SMITHSONIAN ASTROPHYSICAL OBSERVATORY

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SMITHSONIAN ASTROPHYSICAL OBSERVATORY
Cambridge, Massachusetts

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SMITHSONIAN ASTROPHYSICAL OBSERVATORY

STAR CATALOG

PART 4: Stars 192-334–258-997 (Bands −30° to −80°)

STAR CATALOG

POSITIONS AND PROPER MOTIONS OF 258,997 STARS FOR THE EPOCH AND EQUINOX OF 1950.0

In Four Parts—Part Four

SMITHSONIAN INSTITUTION
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INTRODUCTION

IN THE INTRODUCTION TO Part 1 (pp. xi–xxiv), the methods of reduction are described, the source catalogs are discussed and listed, and a statistical summary presents the distribution of the stars according to the zone in which they occur, their spectral type, their magnitude, and their standard deviation of position at 1963.5.

EXPLANATION OF CATALOG COLUMNS

Headings of the columns.—All positions and proper motions are given in the FK 4 system, referred to the equinox of 1950.0. The stars are listed in order of right ascension at epoch 1950.0, within 10-degree bands of declination from $+90°$ to $-90°$. The various columns present the following information:

1. Number: a sequential number for reference, to be added to the large number at the top of the columns.
2. Photographic magnitude (m_{pg}) and source.
3. Visual magnitude (m_v) and source.
4. Right ascension (α_{1950}) for equator, equinox, and epoch 1950.0.
5. Proper motion in right ascension (μ), expressed in seconds of time per annum in units of 0^s.0001, and source of both proper motions.
6. Standard deviation (σ_μ) of μ expressed in seconds of arc per annum in units of 0".001.
7. Declination (δ_{1950}) for equator, equinox, and epoch 1950.0.
8. Proper motion in declination (μ'), expressed in seconds of arc per annum in units of 0".001.
9. Standard deviation ($\sigma_{\mu'}$) of μ' expressed in seconds of arc per annum in units of 0".001.
10. Standard deviation (σ_{1950}) of position at epoch 1950.0, in units of 0".01.
11. Seconds of right ascension at original epoch (α_2). (Note: When preceded by +, increase the minutes by one; by −, decrease the minutes by one.)
12. Standard deviation (σ) of α_2, in units of 0".01.
13. Epoch of α_2, in years, the initial digits (18.., 19..) being omitted. All epochs lie between 1875 and 1955.
14. Seconds of declination at original epoch (δ_2). (See note, col. 11.)
15. Standard deviation (σ') of δ_2, in units of 0".01.
16. Epoch of δ_2, in years, the intial digits (18.., 19..) being omitted. All epochs lie between 1875 and 1955.
17. SP: spectral type and source.
18. CAT: source catalog (see table 5).
19. Star number in source catalog and notes indicating double or variable stars.

20. DM number: notes to indicate source of Durchmusterung number and presence of footnotes in the source catalog, followed by DM zone and DM number. (The source notes should always be referred to when using DM numbers.)

Symbols within columns. – The symbols used in the individual columns have the meanings given in the following tabulation:

Column	*Code symbol*		*Source*
2: Source of photographic magnitude		blank	Source catalog
		E	Magnitude of stars in Cape Zone
		I	Introduction to source catalog
		S	Schilt and Hill (1937, 1938)
	(*Visual*)	(*Photovisual*)	
3: Source of visual magnitude	blank	W	Source catalog
	*	X	Source catalog or footnote in source catalog
	I	Y	Introduction to source catalog
	U	F	Unspecified
	B		BD
	C		CD
	P		CPD
	Q		Durchmusterung magnitudes and visual estimates
	A		AGK 1
	R		Cordoba Zones ("Resultados")
	Z		CGA or Cordoba Zones
	T		Harvard photometry or measured at San Luis, Argentina (GC)
	H		Henry Draper Catalogue
	M		Combined magnitudes of component stars
	N		Arithmetic mean of the maximum and minimum magnitudes of a variable star
5: Source of proper motions		blank	Source catalog
		Q	Comparison of source catalog and Greenwich AC
		A	Comparison of source catalog and AGK 1
		T	Comparison of source catalog and Greenwich AC on the basis of the smallest difference in positions
		Y	Comparison of source catalog with AGK 1 on the basis of the smallest difference in positions
17: Source of spectral type*		blank	Henry Draper Catalogue (HD)
		J	HD or classified by A. Cannon
		L	G. G. Cillie
		F	V. Goedicke
		O	D. Hoffleit
		M	M. W. Mayall
		R	Leander McCormick Observatory
		U	J. J. Nassau and C. K. Seyfert

TABLE 5. — *Symbols used for catalogs (Column 18) and range of declination covered by each*

Code symbol	Catalog	Vol.	Equinox	Declination δ		Comparison catalog	Equinox
26A	Yale	26 I	1950	+89° to +85°			
AG	AGK 2	1	1950	85	80	Greenwich AC	1900
AG	AGK 2	1	1950	80	75	AGK 1, Kasan	1875
AG	AGK 2	1	1950	75	70	AGK 1, Berlin	1905
AG	AGK 2	2	1950	70	65	AGK 1, Christiania	1875
AG	AGK 2	2	1950	65	60	AGK 1, Helsingfors-Gotha	1875
27	Yale	27	1950	60	55		
26B	Yale	26 II	1950	55	50		
AG	AGK 2	5	1950	50	45	AGK 1, Bonn*	1875
AG	AGK 2	6	1950	45	40	AGK 1, Bonn*	1875
AG	AGK 2	7	1950	40	35	AGK 1, Lund	1875
AG	AGK 2	8	1950	35	30	AGK 1, Leiden	1875
24	Yale	24	1950	30	25		
25	Yale	25	1950	25	20		
18	Yale	18	1950	20	15		
19	Yale	19	1950	15	10		
22B	Yale	22 II	1950	10	9		
22A	Yale	22 I	1950	9	5		
20	Yale	20	1950	5	1		
21	Yale	21	1950	+ 1	− 2		
17	Yale	17	1950	− 2	− 6		
16	Yale	16	1950	6	10		
11	Yale	11	1950	10	14		
12A	Yale	12 I	1950	14	18		
12B	Yale	12 II	1950	18	20		
13A	Yale	13 I	1950	20	22		
14	Yale	14	1950	22	27		
13B	Yale	13 II	1950	27	30		
C7	Cape	17	1950	30	35		
C8	Cape	18	1950	35	40		
CZ	Cape Zone		1900	40	52		
C9	Cape	19	1950	52	56		
C0	Cape	20	1950	56	64		
M3	Me 3		1890	64			
M4	Me 4		1900		−89		
F4	FK 4		1950	+89			
F3	FK 3		1950				
GC	GC		1950		−89		

*Including Münnichmeyer's corrections.

18: The source catalog (an explanation of the code symbols appears in table 5).

19: Double and variable stars

	Meaning and source
D	Double star; see source catalog for source, usually Innes' catalog of southern double stars
K	Double star; Aitken's double star catalog
N	Double star; Burnham's double star catalog
V	Variable star (visual magnitude)
X	Variable star (photographic magnitude)
Y	Variable star (visual and photographic magnitude)
DV	Double and variable star

20: Source of star numbers and existence of footnotes in source catalog

(*Star number*)	(*Footnote*)	*Source*
blank	*	Source catalog only
blank	B*	Source catalog and BD
C	C*	Source catalog and CD
P	P*	Source catalog and CPD
J	J*	Cordoba B and CD
E	E*	Cordoba A and CD
A	A*	AGK 1 and BD
G	G*	GC and BD
W	W*	Cordoba B and CPD
X	X*	Cordoba A and CPD

*When the symbol "+++" appears, the spectrum was either composite, varying, or peculiar.

PART 4

Stars 192-334–258-997
(Bands −30° to −80°)

192300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ " .001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 0H DM NUMBER
34	10.2	9.5W	0 0 5.653	-0.0015	18	-38 13 33.07	0.002	18	0.31	5.675	15	35.8	33.10	21	35.8	G8 L	C8	1	C -3815719
35	10.1	9.0W	0 22.282	-0.0016	18	-37 36 40.59	0.015	18	0.31	22.305	15	35.8	40.80	21	35.8	K1 L	C8	2	C -3815721
36	9.7	9.1W	0 23.795	0.0048	13	-39 48 19.50	-0.042	13	0.26	23.727	15	35.8	18.90	21	35.8	G5	C8	3	C -4015315
37	8.6	7.7W	0 26.966	-0.0013	13	-35 1 23.63	0.012	13	0.26	26.984	15	35.8	23.80	21	35.8	G5	C8	4	C -3516047
38	10.2	9.9W	0 31.907	0.0009	13	-35 22 30.07	0.143	13	0.26	31.894	15	35.8	32.10	21	35.8	F8 L	C8	5	C -3516049
39	9.4	9.2W	0 45.604	0.0020	13	-35 49 55.02	-0.015	13	0.26	45.575	15	35.8	54.80	21	35.8	F8	C8	7	C -3616147
40	10.3	9.4W	0 46.080	-0.0003	13	-35 1 48.06	0.010	13	0.26	46.084	15	35.8	48.20	21	35.8	K0 L	C8	8	C -3516050
41	9.2	9.2W	0 51.248	0.0002	13	-36 14 38.44	-0.038	13	0.26	51.244	15	35.8	37.90	21	35.8	A0	C8	9	C -3616149
42		6.9T	0 52.786	0.0079	09	-36 31 46.11	0.021	08	0.51	52.350	17	94.9	47.33	17	91.4	F0	GC	20	C*-3616150
43	9.6	8.4W	0 57.818	0.0009	13	-35 52 50.73	-0.016	13	0.26	57.805	15	35.8	50.50	21	35.8	K0	C8	11	C -3616152
44	10.3	9.4W	1 29.253	-0.0009	10	-38 52 23.94	-0.031	10	0.23	29.266	15	35.9	23.51	21	35.9	K2	C8	12	C -3915246
45		7.1T	1 38.470	-0.0001	13	-30 24 48.14	0.014	12	0.68	38.475	17	99.0	48.69	18	96.1	B8	GC	31	C -3019809
46	11.6	10.5W	1 40.868	-0.0040	13	-35 5 4.32	0.042	13	0.26	40.924	15	35.9	4.91	21	35.9		C8	13	C -3516053
47	10.6	10.3W	2 15.014	0.0007	13	-35 6 44.92	0.006	13	0.26	15.004	15	35.9	45.01	21	35.9	G0 L	C8	14	C -3516056
48		8.6T	2 27.910	0.4753	15	-37 36 11.37	-2.329	16	0.77	5.139	19	02.1	18.40	19	01.5	K5	GC	49	C*-3715492
49		7.6T	2 28.794	0.0173	13	-36 17 39.53	0.071	10	0.64	27.921	18	99.4	43.51	18	93.7	F5	GC	50	C -3616162
50		7.2T	2 37.450	-0.0051	12	-32 44 46.68	-0.065	12	0.65	37.707	17	00.1	43.25	18	97.0	K0	GC	56	C -3316836
51		7.0T	0 2 46.600	0.0029	15	-39 8 9.52	0.041	13	0.72	46.460	21	01.9	11.57	19	99.3	G5	GC	60	C -3915250
52		7.6T	2 54.797	0.0051	18	-37 34 51.89	-0.001	13	0.80	54.559	21	03.5	51.83	21	99.8	K2	GC	66	C -3715090
53	10.2	9.4W	2 59.059	-0.0025	13	-35 24 29.59	-0.013	13	0.26	59.094	15	35.9	29.41	21	35.9	K0	C8	19	C -3516061
54	9.9	9.5W	2 59.487	-0.0019	13	-35 46 48.42	-0.022	13	0.26	59.515	15	35.9	48.11	21	35.9	G0	C8	20	C -3616164
55	10.5	10.1W	3 11.298	-0.0026	18	-37 3 21.82	-0.079	18	0.31	11.335	15	35.9	20.71	21	35.9	G5 L	C8	21	C -3715553
56	9.8	8.5W	3 27.469	0.0002	13	-39 24 56.49	-0.070	13	0.26	27.466	15	35.9	55.51	21	35.9	K0	C8	22	C -3915253
57		7.3T	3 41.224	0.0002	12	-33 5 40.72	0.014	12	0.65	41.217	18	99.0	41.47	17	97.0	M0	GC	89	C*-3316843
58		7.6T	4 6.147	0.0009	12	-36 21 45.24	-0.035	11	0.63	6.104	15	99.8	43.38	18	97.2	G5	GC	97	C -36 4
59		6.9T	4 20.898	-0.0002	10	-39 9 22.78	0.002	08	0.54	20.908	18	93.0	22.88	17	89.3	K0	GC	99	C*-39 4
60	10.5	9.7W	4 22.401	-0.0017	13	-35 31 12.64	0.033	13	0.26	22.425	15	35.9	13.11	21	35.9	K1 L	C8	26	C -35 4
61	10.5	9.3W	4 23.707	0.0023	13	-38 24 7.65	-0.003	13	0.26	23.675	15	35.9	7.61	21	35.9	K0 L	C8	27	C -38 4
62		8.7T	4 35.900	-0.0013	09	-38 12 25.93	-0.008	11	0.56	35.967	17	97.4	25.50	18	98.8	F0	GC	101	C -38 7
63	10.3	10.0W	4 41.711	-0.0059	13	-35 29 55.13	-0.023	13	0.26	41.794	15	35.9	54.80	21	35.9	F8	C8	29	C -35 8
64	9.3	9.5W	5 5.107	0.0001	13	-38 57 55.95	0.018	13	0.26	5.106	15	35.9	56.21	21	35.9	A0	C8	30	C -39 10
65	10.0	9.2W	5 11.333	0.0041	13	-36 3 49.86	0.003	13	0.26	11.274	15	35.9	49.90	21	35.9	G5	C8	31	C -36 12
66	10.4E	10.1M	5 28.461	0.0046	12	-39 53 25.08	-0.032	12	0.66	28.224	63	98.8	23.46	57	98.8	F5	C2	25	P -40 3
67		5.7T	5 31.215	-0.0031	05	-33 48 27.66	0.005	05	0.25	31.356	09	05.0	27.91	09	01.5	K0	GC	120	C -34 17
68	10.3	9.9W	5 40.308	-0.0112	10	-38 33 29.14	-0.123	10	0.23	40.466	15	35.9	27.40	21	35.9	G0 L	C8	32	C -38 11
69		7.9T	6 13.978	0.0017	13	-35 4 21.84	0.015	12	0.68	13.893	17	99.9	22.63	18	96.4	F5	GC	134	C -35 20
70	8.9	8.7W	6 14.779	-0.0061	18	-37 1 18.94	-0.024	18	0.31	14.865	15	35.9	18.61	21	35.9	F8	C8	34	C -37 16
71	10.2	9.2W	6 20.757	-0.0012	13	-36 5 50.49	-0.020	13	0.26	20.775	15	35.9	50.20	21	35.9	K0	C8	35	C -36 19
72	8.0	7.8W	6 30.331	0.0033	06	-35 22 12.42	-0.008	06	0.20	30.284	15	35.9	12.31	21	35.9	F0	C8	36	C -35 22
73	10.5	9.6W	6 33.517	0.0037	08	-36 55 44.85	-0.003	08	0.22	33.465	15	35.9	44.80	21	35.9	K1 L	C8	37	C -37 17
74	10.2	9.3W	6 34.576	-0.0013	13	-35 1 24.26	-0.004	13	0.26	34.594	15	35.9	24.21	21	35.9	G5	C8	38	C -35 24
75	9.8	9.2W	6 36.669	0.0144	08	-38 34 1.24	-0.059	08	0.22	36.466	15	35.9	0.41	21	35.9	G0	C8	39	C -38 17
76	11.0	9.5W	6 51.377	-0.0033	13	-35 30 8.47	-0.054	13	0.26	51.425	15	35.9	7.71	21	35.9	K5 L	C8	40	C -35 27
77	10.1	9.0W	7 5.348	0.0009	18	-37 52 15.20	-0.014	18	0.31	5.335	15	35.9	15.01	21	35.9	K0	C8	41	C -38 21
78		8.4T	7 9.841	-0.0057	17	-37 35 34.36	-0.018	12	0.73	10.101	21	04.2	33.43	19	99.9	F5	GC	160	C -38 23
79	9.9	9.9W	7 11.461	0.0040	13	-36 32 14.91	-0.050	13	0.26	11.405	15	35.9	14.20	21	35.9	A2	C8	43	C -36 24
80		7.1T	8 5.393	-0.0016	16	-31 33 21.93	-0.004	13	0.74	5.468	18	01.8	21.74	18	99.5	K0	GC	180	C*-31 36
81	9.1	8.7W	8 13.753	0.0140	05	-39 2 48.66	-0.032	05	0.20	13.556	15	35.9	48.21	21	35.9	G0	C8	44	C -39 27
82		7.0T	8 14.586	0.0046	13	-35 8 19.23	0.023	11	0.61	14.369	14	02.7	20.33	15	01.3	K0	GC	185	C -35 36
83	9.7	9.4W	8 16.684	-0.0071	13	-35 33 23.34	-0.017	13	0.26	16.785	15	35.9	23.10	21	35.9	F8	C8	46	C -35 37
84	10.7	9.8W	8 37.681	-0.0009	13	-36 21 21.10	0.022	13	0.26	37.695	15	35.9	21.41	21	35.9	K0 L	C8	47	C -36 33
85	9.0	8.6W	8 46.592	-0.0102	21	-33 4 43.31	-0.049	21	0.43	46.772	22	32.4	42.45	21	32.4	G5	C7	67	C -33 35
86	8.3	8.5W	8 47.632	0.0023	21	-32 40 55.35	0.011	21	0.43	47.592	22	32.4	55.55	21	32.4	A0	C7	68	C -33 36
87	8.6	7.8W	8 59.740	0.0015	21	-34 44 17.47	-0.000	21	0.43	59.713	22	32.4	17.47	21	32.4	G5	C7	69	C -35 41
88		5.2M	9 11.681	0.0135	03	-35 24 46.45	0.126	03	0.10	11.246	05	17.9	50.50	05	17.8	F5	F4	6	C -35 42
89	9.1	8.7W	9 15.483	-0.0051	21	-33 30 38.75	-0.159	21	0.43	15.572	22	32.4	35.96	21	32.4	G5	C7	70	C -33 37
90	9.9	9.3W	9 19.604	-0.0064	09	-35 49 27.02	-0.100	09	0.22	19.695	15	35.9	25.61	21	35.9	G0	C8	49	C -36 37
91	10.5	10.5W	9 21.934	0.0002	21	-31 14 42.52	-0.011	21	0.43	21.930	22	32.4	42.32	21	32.4	F L	C7	71	C -31 45
92	9.7	9.3W	9 22.937	-0.0037	21	-33 18 55.39	0.009	21	0.43	23.002	22	32.4	55.55	21	32.4	G5	C7	72	C -33 39
93	10.0	9.8W	9 44.435	-0.0043	13	-36 1 19.71	0.035	13	0.26	44.494	15	35.9	20.21	21	35.9	F5	C8	50	C -36 42
94	10.3	9.5W	9 48.436	-0.0002	21	-31 44 41.46	0.004	21	0.43	48.440	22	32.4	41.54	21	32.4	K0	C7	73	C -32 41
95	10.7	10.2W	9 50.459	0.0045	21	-30 39 57.11	0.029	21	0.43	50.380	22	32.4	57.62	21	32.4	G5 L	C7	74	C -31 59
96	10.8E	9.4M	9 52.360	0.0047	12	-39 53 14.52	0.011	12	0.67	52.115	28	98.2	15.10	26	98.2	G5	CZ	62	P -40 10
97	10.7	9.7W	9 55.613	-0.0020	21	-30 41 19.76	-0.053	21	0.43	55.650	22	32.4	18.82	21	32.4	K L	C7	75	C -31 51
98	9.2	9.1W	9 59.209	-0.0047	21	-32 35 57.10	0.014	21	0.43	59.292	22	32.4	57.35	21	32.4	F8	C7	76	C -33 42
99	9.1	8.7W	10 1.180	0.0035	21	-31 8 6.30	-0.266	21	0.43	1.120	22	32.4	1.62	21	32.4	G0	C7	77	C -31 52
00	10.4	10.0W	10 3.745	0.0032	18	-36 45 50.96	-0.025	18	0.31	3.695	15	35.9	50.60	21	35.9	G2 L	C8	52	C -37 30

192400 — -30° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ,,.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	11.3	10.0W	0 10 7.319	-0.0054	18	-37 29 54.38	0.037	18	0.31	7.395	15	35.9	54.90	21	35.9	K1 L	C8	53	C -37 31
2	8.9	8.7W	10 7.797	-0.0026	21	-33 34 0.69	-0.070	21	0.43	7.842	22	32.4	-59.46	21	32.4	F5	C7	78	C -33 43
3	9.2	8.8W	10 17.532	0.0098	21	-32 10 35.48	-0.014	21	0.43	17.360	22	32.4	35.24	21	32.4	G0	C7	79	C -32 49
4	9.4	8.4W	10 27.077	0.0033	21	-30 20 10.10	0.028	21	0.43	27.018	22	32.4	10.59	21	32.4	K0	C7	80	C -30 42
5	10.7	10.5W	10 40.019	-0.0012	21	-30 37 41.30	-0.090	21	0.43	40.040	22	32.4	39.72	21	32.4	G2 L	C7	81	C -31 59
6		7.3T	10 42.769	-0.0010	07	-38 6 3.35	-0.003	05	0.27	42.810	10	08.4	3.20	10	04.5	K2	GC	240	C -38 40
7	10.0	9.1W	10 46.528	0.0015	21	-33 24 23.48	0.004	21	0.43	46.502	22	32.4	23.55	21	32.4	G5	C7	82	C -33 47
8	10.6	10.3W	10 49.384	0.0000	18	-35 7 54.51	0.000	18	0.31	49.384	15	35.9	54.51	21	35.9	G0 L	C8	55	C -35 51
9	10.9	10.1W	10 57.086	-0.0041	13	-36 26 7.07	-0.019	13	0.26	57.145	15	35.9	6.81	21	35.9	K0 L	C8	56	C -36 52
10	10.7	10.4W	11 7.470	-0.0006	21	-30 58 22.82	-0.051	21	0.43	7.480	22	32.4	21.92	21	32.4		C7	84	C -31 61
11	11.4	10.4W	11 8.459	-0.0054	18	-36 53 59.46	-0.011	18	0.31	8.535	15	35.9	59.30	21	35.9	K2 L	C8	57	C -37 36
12		7.8T	11 41.997	0.0036	15	-36 5 8.24	-0.031	12	0.69	41.826	17	02.0	6.64	18	98.8	G5	GC	260	C -36 59
13	9.6	9.5W	12 4.263	-0.0009	21	-31 18 2.75	-0.081	21	0.43	4.280	22	32.4	1.32	21	32.4	G0	C7	86	C -31 67
14	9.7	8.7W	12 8.911	-0.0006	21	-33 19 25.25	0.000	21	0.43	8.922	22	32.4	25.25	21	32.4	K0	C7	87	C -33 60
15	10.2	9.9W	12 18.272	0.0012	18	-37 53 10.09	0.001	18	0.31	18.255	15	35.9	10.11	21	35.9	G2 L	C8	59	C#-38 49
16	9.8	9.8W	12 20.407	-0.0036	21	-30 26 54.47	0.031	21	0.42	20.468	22	32.9	54.99	21	32.9	F2	C7	88	C -30 55
17		7.9T	12 22.075	0.0032	13	-32 25 47.96	-0.011	11	0.62	21.921	15	02.5	47.43	15	00.5	F5	GC	284	C -32 66
18		6.3T	12 26.959	0.0058	07	-35 10 55.92	-0.018	06	0.34	26.703	14	05.7	55.01	14	00.4	K0	GC	289	C#-35 65
19	10.6	10.5W	12 28.613	0.0031	21	-31 33 5.38	-0.032	21	0.42	28.560	22	32.4	4.84	21	32.9		C7	90	C -31 70
20	9.4	8.0W	12 29.034	0.0014	05	-36 26 18.34	0.026	05	0.20	29.014	15	35.9	18.70	21	35.9	K5	C8	61	C -36 68
21	9.3	9.1W	12 31.995	0.0048	21	-33 51 40.69	-0.049	21	0.42	31.912	22	32.9	39.86	21	32.9	G0	C7	91	C -34 56
22	9.0	8.5W	12 41.662	-0.0013	21	-34 46 24.12	0.085	21	0.42	41.684	22	32.9	25.57	21	32.9	K0 L	C7	92	C -35 67
23	9.5	9.4W	12 43.050	-0.0040	21	-31 12 47.32	-0.023	21	0.42	43.120	22	32.9	46.92	21	32.9	F8	C7	93	C -31 71
24		6.3I	12 51.106	0.0069	18	-32 19 22.52	0.019	18	0.88	50.779	19	02.8	23.42	21	03.5	M6E	GC	296V	C#-32 69
25	9.4	8.8W	12 54.427	0.0040	21	-30 26 48.70	-0.006	21	0.42	54.358	22	32.9	48.59	21	32.9	G0	C7	95	C -30 58
26	8.8E	7.7H	12 59.256	-0.0052	12	-39 43 55.08	-0.113	12	0.66	59.516	28	99.6	49.41	26	99.6	K0	CZ	87	P -41 29
27	9.4	9.3W	13 0.119	0.0016	21	-32 40 35.76	-0.071	21	0.42	0.092	22	32.9	34.55	21	32.9	F8	C7	96	C -33 64
28		8.3T	13 12.878	0.0018	15	-35 25 40.83	-0.011	12	0.70	12.792	19	01.9	40.26	18	99.7	K0	GC	299	C -35 69
29	9.9	9.8W	13 12.959	0.0024	13	-36 22 16.19	-0.013	13	0.26	12.925	15	35.9	16.00	21	35.9	F8	C8	64	C -36 75
30		5.7T	13 37.331	0.0106	06	-31 43 26.19	-0.028	05	0.26	36.880	09	07.6	24.93	09	04.6	K0	GC	306	C -32 72
31	10.1	9.0W	13 37.584	-0.0008	18	-37 50 21.91	0.028	18	0.31	37.595	15	35.9	22.30	21	35.9	K5	C8	65	C -38 51
32	10.0	9.5W	13 48.685	-0.0028	21	-33 44 49.67	-0.112	21	0.42	48.732	22	32.9	47.76	21	32.9	G5	C7	98	C -34 67
33	9.5	9.0W	13 52.840	-0.0067	08	-35 6 26.30	-0.035	08	0.22	52.934	15	35.9	25.81	21	35.9	G0	C8	66	C -35 72
34	10.5	9.7W	13 53.566	-0.0035	13	-35 35 25.94	-0.031	13	0.26	53.614	15	35.9	25.51	21	35.9	G5	C8	67	C -36 78
35	9.5	9.2W	13 57.227	-0.0041	08	-37 4 26.12	-0.008	08	0.22	57.285	15	35.9	26.01	21	35.9	F5	C8	68	C -37 56
36	9.9	9.9W	13 57.497	-0.0014	13	-39 45 14.34	-0.038	13	0.26	57.517	15	35.9	13.80	21	35.9	F5 L	C8	69	C -40 42
37		7.4T	14 1.427	0.0028	08	-33 2 17.65	-0.008	08	0.39	1.300	14	05.4	17.30	15	05.7	K0	GC	316	C -33 71
38	10.0	9.8W	14 3.372	-0.0024	13	-39 6 32.40	0.029	13	0.26	3.406	15	35.9	32.81	21	35.9	F5	C8	70	C -39 51
39	9.9	8.6W	14 5.367	-0.0005	13	-35 7 43.96	-0.032	13	0.26	5.374	15	35.9	43.51	21	35.9	K0	C8	71	C -35 73
40	10.0	8.9W	14 9.649	-0.0001	21	-30 42 44.56	-0.043	21	0.42	9.650	22	32.9	43.82	21	32.9	K0	C7	100	C -31 83
41	10.3	9.5W	14 9.991	0.0024	10	-39 46 10.08	-0.005	10	0.23	9.957	15	35.9	10.00	21	35.9	K0 L	C8	72	C -40 44
42		6.7T	14 11.307	-0.0017	09	-32 57 55.74	0.001	09	0.53	11.404	15	94.7	55.81	17	90.3	K0	GC	327	C -33 73
43	9.9	9.7W	14 12.219	0.0047	21	-30 1 37.75	-0.073	21	0.42	12.138	22	32.9	36.50	21	32.9	G5	C7	102	C -30 63
44	10.9	10.1W	14 27.193	-0.0044	18	-38 28 26.79	-0.098	18	0.31	27.255	15	35.9	25.41	21	35.9	G8 L	C8	73	C -38 55
45	10.0	9.8W	14 36.975	-0.0020	21	-30 55 15.91	-0.005	21	0.42	37.010	22	32.9	15.82	21	32.9	G0	C7	103	C -31 90
46	11.0	10.7W	14 40.573	-0.0133	21	-31 34 11.37	-0.008	21	0.42	40.800	22	32.9	11.23	21	32.9		C7	104	C -31 91
47	10.3	9.5W	14 54.178	0.0023	21	-30 5 55.47	0.019	21	0.42	54.138	22	32.9	55.80	21	32.9	K5	C7	105	C -30 70
48	11.0	10.4W	14 57.780	0.0006	21	-31 35 40.51	-0.034	21	0.42	57.770	22	32.9	39.94	21	32.9		C7	106	C -32 79
49	10.1	9.8W	15 1.075	0.0050	21	-31 40 43.93	-0.035	21	0.42	0.990	22	32.9	43.34	21	32.9	G5	C7	107	C -32 81
50	10.3	9.0W	15 15.810	0.0032	18	-37 10 18.42	-0.008	18	0.31	15.765	15	35.9	18.31	21	35.9	K2	C8	77	C -37 68
51	9.7	9.5W	0 15 44.422	-0.0009	08	-36 6 1.17	0.017	08	0.22	44.434	15	35.9	1.40	21	35.9	F5	C8	78	C -36 90
52	8.8	8.7W	15 47.761	-0.0048	21	-34 27 5.10	0.009	21	0.42	47.842	22	32.9	5.25	21	32.9	F2	C7	108	C -34 81
53		6.8T	15 48.179	0.0007	09	-36 47 15.50	0.007	08	0.51	48.140	17	94.9	15.90	17	90.9	K0	GC	369	C -37 74
54	11.7	10.7W	15 55.121	-0.0028	21	-31 16 32.99	0.002	21	0.42	55.170	22	32.9	33.02	21	32.9		C7	109	C -31 98
55	9.8	9.6W	16 7.743	0.0025	21	-31 58 44.12	-0.023	21	0.42	7.700	22	32.9	43.73	21	32.9	F5	C7	110	C -32 90
56		8.2T	16 10.784	0.0082	12	-30 14 5.91	-0.021	12	0.65	10.355	15	97.7	4.76	18	95.9	G0	GC	380	C -30 79
57	9.7E	9.1H	16 16.095	0.0009	12	-39 57 19.67	-0.007	12	0.65	16.049	28	99.8	19.34	26	99.8	F2	CZ	117	P -40 21
58	9.9	9.8W	16 19.698	0.0010	09	-35 15 16.85	-0.159	09	0.22	19.684	15	35.9	14.61	21	35.9	F5	C8	80	C -35 85
59	8.8	8.9W	16 23.874	0.0018	21	-33 36 7.12	0.043	21	0.42	23.843	22	32.9	7.86	21	32.9	F0	C7	112	C -34 88
60	8.9	8.8W	16 44.749	-0.0008	21	-34 11 11.20	-0.032	21	0.42	44.763	22	32.9	10.66	21	32.9	F5	C7	113	C -34 93
61	9.7	9.8W	16 55.236	0.0022	18	-38 2 11.72	-0.008	18	0.31	55.205	15	35.9	11.60	21	35.9	A0	C8	81	C -38 68
62	9.2	9.1W	17 10.850	0.0017	21	-30 56 11.93	-0.012	21	0.42	10.820	22	32.9	11.72	21	32.9	F8	C7	114	C -31 110
63	10.6	10.0W	17 32.514	0.0042	21	-32 37 5.38	-0.148	21	0.42	32.442	22	32.9	2.85	21	32.9	K0	C7	115	C -33 91
64	9.9	10.0W	17 33.729	-0.0046	13	-35 23 56.55	0.011	13	0.26	33.794	15	35.9	56.71	21	35.9	F2	C8	82	C -35 92
65	9.7	9.4W	17 35.966	-0.0020	21	-32 5 19.95	0.028	21	0.42	36.000	22	32.9	20.44	21	32.9	F8	C7	116	C -32 98
66		7.6T	17 40.008	-0.0008	13	-36 10 48.80	-0.000	12	0.65	40.050	18	00.6	48.79	18	98.0	K0	GC	407K	C#-36 100
67	11.3	10.5W	17 42.100	-0.0017	21	-31 19 1.00	-0.016	21	0.42	42.130	22	32.9	0.72	21	32.9		C7	117	C -31 118
68	9.0	8.5W	17 47.317	0.0196	21	-33 2 44.01	-0.074	21	0.42	46.982	22	32.9	42.75	21	32.9	G5	C7	118	C -33 95
69	9.9	8.7W	17 57.699	-0.0030	21	-30 49 58.27	-0.026	21	0.42	57.750	22	32.9	57.82	21	32.9	K5	C7	119	C -31 120
70	9.6	9.2W	17 59.699	-0.0089	13	-37 12 43.59	-0.134	13	0.26	59.825	15	35.9	41.71	21	35.9	G	C8	85	C -37 86
71	9.6	8.7W	18 20.039	0.0003	18	-36 45 18.22	-0.015	18	0.31	20.035	15	35.9	18.01	21	35.9	K0	C8	86	C -37 89
72	10.1	9.8W	18 22.100	0.0017	21	-30 56 34.46	-0.037	21	0.42	22.070	22	32.9	33.82	21	32.9	G0	C7	120	C -31 122
73	10.2	10.0W	18 23.605	-0.0052	21	-34 35 6.85	-0.028	21	0.42	23.693	22	32.9	6.37	21	32.9	F8 L	C7	121	C -35 97
74		7.2T	18 24.808	-0.0053	11	-39 31 0.72	-0.036	08	0.56	25.086	17	97.5	-58.59	17	91.3	F5	GC	422	C#-39 72
75		8.0T	18 28.489	0.0066	15	-35 12 42.81	0.024	12	0.69	28.174	17	02.2	43.99	18	00.4	G5	GC	424	C -35 98
76	9.7	9.2W	18 30.455	0.0066	21	-33 0 2.07	-0.042	21	0.42	30.342	22	32.9	1.35	21	32.9	G5	C7	123	C -33 104
77		7.3T	18 45.087	-0.0012	10	-36 4 32.47	-0.039	11	0.58	45.154	17	96.2	30.30	17	94.8	M0	GC	428	C#-36 104
78	10.3	9.5W	18 46.444	0.0034	09	-38 58 33.17	-0.019	09	0.22	46.396	15	35.9	32.90	21	35.9	K1 L	C8	90	C -39 75
79	9.5	9.2W	18 58.867	0.0023	18	-38 6 42.18	-0.034	18	0.31	58.835	15	35.9	41.70	21	35.9	F8	C8	91	C -38 84
80	8.8	8.5W	19 3.466	-0.0027	08	-35 38 18.20	0.036	08	0.22	3.505	15	35.9	18.71	21	35.9	F5	C8	92	C -36 106
81	10.4	9.5W	19 4.396	0.0055	21	-33 20 2.14	0.135	21	0.42	4.302	22	32.9	4.45	21	32.9	K2	C7	125	C -33 108
82	9.7	8.9W	19 6.274	0.0013	21	-33 22 21.01	-0.039	21	0.42	6.252	22	32.9	20.35	21	32.9	K0	C7	126	C -33 109
83	10.4	9.0W	19 10.170	-0.0007	21	-32 47 37.19	0.021	21	0.42	10.182	22	32.9	37.55	21	32.9	K5	C7	127	C -33 110
84	9.9	9.4W	19 33.317	0.0178	06	-38 58 32.63	-0.080	06	0.20	33.066	15	35.9	31.51	21	35.9	G0	C8	94	C -39 79
85		8.0T	19 39.810	0.0006	15	-38 39 44.29	-0.005	12	0.69	39.781	21	02.9	44.02	19	98.9	A3	GC	440	C#-39 80
86	10.2	9.3W	19 48.448	-0.0019	08	-37 50 27.54	-0.031	08	0.22	48.475	15	35.9	27.10	21	35.9	K0	C8	96	C -38 88
87	10.6	10.3W	19 54.005	-0.0002	21	-31 21 5.56	-0.037	21	0.42	54.010	22	32.9	4.92	21	32.9	G0 L	C7	128	C -31 133
88	9.6	9.0W	20 6.174	0.0064	13	-35 2 23.75	0.004	13	0.26	6.084	15	35.9	23.81	21	35.9	G5	C8	97	C -35 107
89	9.7	8.5W	20 14.935	-0.0009	21	-31 58 57.52	-0.058	21	0.42	14.950	22	32.9	56.54	21	32.9	K2	C7	129	C -32 108
90		7.6T	20 16.674	0.0113	13	-35 39 50.57	0.039	13	0.67	16.143	18	02.8	52.50	18	00.1	G0	GC	451	C -36 112
91		6.8T	20 19.059	0.0099	12	-39 32 21.55	-0.025	11	0.64	18.554	17	99.1	20.16	18	95.2	F0	GC	454	C -39 83
92	10.3	9.8W	20 22.087	0.0009	13	-35 55 32.42	-0.058	13	0.26	22.074	15	35.9	31.61	21	35.9	G5	C8	100	C -36 113
93		7.1T	20 22.904	-0.0006	12	-37 40 51.25	-0.022	12	0.63	22.933	19	99.8	50.10	19	98.3	K5	GC	455	C -38 93
94	9.5	8.7W	20 38.695	-0.0005	21	-34 50 31.63	-0.021	21	0.42	38.703	22	32.9	31.27	21	32.9	K0	C7	130	C -35 110
95		6.7T	20 42.615	0.0022	06	-31 18 47.23	0.002	05	0.28	42.518	12	06.2	47.31	12	01.1	B9	GC	461	C -31 138
96	9.6	8.7W	20 46.450	-0.0054	21	-33 26 47.33	0.130	21	0.42	46.542	22	32.9	49.55	21	32.9	K0	C7	132	C -33 118
97	10.2	9.4W	20 51.361	0.0011	13	-35 57 1.44	0.012	13	0.26	51.344	15	35.9	1.61	21	35.9	K0	C8	133	C -36 115
98		7.0T	20 52.014	0.0032	11	-30 7 25.80	-0.030	10	0.57	51.855	15	00.5	24.24	15	98.5	M0	GC	463	C -30 101
99	11.1		20 57.715	0.0050	18	-35 11 47.46	-0.039	18	0.31	57.644	15	35.9	46.91	21	35.9	G0 L	C8	134	C -35 112
00	9.4	9.2W	21 3.885	0.0031	21	-33 8 37.77	-0.019	21	0.42	3.832	22	32.9	37.45	21	32.9	F5	C7	134	C -33 121

192500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 0H DM NUMBER
1	11.4		0 21 5.516	0.0008	23	-37 28 6.22	-0.022	23	0.37	5.505	15	35.9	5.91	21	35.9	K1 L	C8	195	C -37 108
2	9.4	9.1W	21 24.234	-0.0008	13	-38 28 9.41	-0.036	13	0.26	24.245	15	35.9	8.90	21	35.9	G	C8	196	C -38 103
3	9.9	9.2W	21 25.417	-0.0002	21	-31 32 56.15	-0.165	21	0.42	25.420	22	32.0	53.33	21	32.9	K0	C7	135	C -31 149
4		7.8T	21 35.016	-0.0005	13	-37 41 15.74	-0.014	11	0.67	35.030	22	00.5	14.99	19	97.1	B9	GC	477	C -38 105
5	10.1E	9.7H	21 40.070	-0.0023	12	-39 57 19.75	0.002	12	0.66	40.184	28	99.7	19.87	26	99.7	G5	CZ	154	P -40 27
6	9.5	8.3W	21 50.162	-0.0009	13	-35 55 1.45	-0.003	13	0.26	50.174	15	35.9	1.40	21	35.9	K2	C8	198	C -36 119
7	10.6	10.0W	22 9.325	-0.0021	18	-37 4 35.09	-0.013	18	0.31	9.355	15	35.9	34.91	21	35.9	G8 L	C8	111	C -37 116
8	9.3	9.2W	22 10.835	-0.0057	21	-33 36 53.58	-0.019	21	0.42	10.932	22	32.9	53.26	21	32.9	F5	C7	136	C -34 126
9		7.6T	22 32.451	-0.0134	11	-30 58 15.60	-0.306	12	0.62	33.145	17	98.1	59.48	17	97.4	G0	GC	491	C -31 154
10	9.2	8.8W	22 38.656	-0.0043	21	-32 7 32.94	-0.071	21	0.42	38.730	22	32.9	31.74	21	32.9	G0	C7	139	C -32 119
11	9.8	9.1W	22 48.361	-0.0024	13	-34 57 24.46	0.008	13	0.26	48.395	15	35.9	24.58	21	35.9	G5	C8	113	C -35 124
12		7.0T	22 53.925	0.0013	12	-39 32 9.26	-0.075	11	0.63	53.857	17	98.4	5.13	18	95.1	K0	GC	498	C*-39 92
13	10.0	9.4W	22 54.495	0.0037	21	-33 23 7.35	-0.076	21	0.42	54.432	22	32.9	6.05	21	32.9	G5	C7	140	C -33 134
14	9.1	8.9W	22 56.539	0.0181	06	-35 6 29.42	0.084	06	0.20	56.284	15	35.9	30.61	21	35.9	F8	C8	115	C -35 125
15	10.4	9.6W	22 59.290	-0.0006	21	-30 39 2.25	-0.048	21	0.42	59.300	22	32.9	1.42	21	32.9	K5	C7	141	C -31 158
16	9.6	9.3W	23 11.560	0.0011	13	-35 6 19.81	0.014	13	0.26	11.544	15	35.9	20.01	21	35.9	G0	C8	116	C -35 128
17	10.4	10.1W	23 20.832	-0.0011	21	-31 20 16.66	-0.084	21	0.42	20.850	22	32.9	15.22	21	32.9	F8	C7	142	C -31 160
18	10.1	9.8W	23 24.531	-0.0028	21	-30 3 30.78	0.007	21	0.42	24.578	22	32.9	30.89	21	32.9	G5	C7	143	C -30 115
19	11.4	10.1W	23 24.675	-0.0090	21	-31 28 30.16	0.074	21	0.42	24.830	22	32.9	31.42	21	32.9	MA	C7	144	C -31 161
20		7.5T	23 26.703	0.0012	12	-31 1 29.83	0.010	12	0.66	26.637	17	96.0	30.36	15	94.4	G5	GC	510	C*-31 162
21	11.1	9.8W	23 33.694	-0.0043	13	-35 8 25.93	-0.044	13	0.26	33.754	15	35.9	25.31	21	35.9	K5 L	C8	117	C -35 130
22	10.3	9.4W	23 41.448	-0.0013	21	-31 56 47.38	-0.003	21	0.42	41.470	22	32.9	47.33	21	32.9	K0	C7	146	C -32 125
23		7.3T	23 45.900	-0.0020	14	-39 55 29.50	-0.053	12	0.69	45.999	15	00.3	26.65	17	96.6	K0	GC	518	C -40 81
24	9.5	9.5W	23 53.630	-0.0012	21	-31 24 39.95	-0.054	21	0.42	53.650	22	32.9	39.02	21	32.9	F2	C7	147	C -31 164
25	9.4E	9.0H	23 58.956	-0.0033	12	-39 58 39.91	0.004	12	0.86	59.122	63	98.9	40.13	57	98.9	F8	CZ	174	P -40 30
26	10.3	9.3W	24 0.850	-0.0013	21	-33 18 7.02	-0.010	21	0.42	0.872	22	32.9	6.85	21	32.9	K0	C7	148	C -33 141
27	9.3	9.1W	24 22.643	0.0054	13	-39 50 10.36	-0.011	13	0.26	22.567	15	35.9	10.21	21	35.9	F5	C8	119	C -40 84
28	10.3	9.5W	24 37.278	-0.0026	13	-36 50 35.54	0.012	13	0.26	37.315	15	35.9	35.71	21	35.9	K2	C8	120	C -37 132
29	11.0		24 39.414	0.0091	18	-38 37 3.44	0.026	18	0.31	39.286	15	35.9	3.81	21	35.9	G5 L	C8	121	C -39 98
30	9.3	8.6W	24 40.840	0.0034	21	-32 42 28.09	-0.096	21	0.42	40.782	22	32.9	26.45	21	32.9	G5	C7	149	C -33 148
31	8.9	8.7W	24 45.309	-0.0001	21	-31 18 47.76	-0.084	21	0.42	45.310	22	32.9	46.32	21	32.9	F8	C7	151	C -31 167
32	10.6	9.1W	24 47.272	-0.0009	18	-36 40 53.74	-0.031	18	0.31	47.285	15	35.9	53.31	21	35.9	MB	C8	122	C -37 134
33	9.5	8.0W	24 49.085	0.0001	21	-34 9 30.74	0.001	21	0.42	49.083	22	32.9	30.76	21	32.9	K5	C7	152	C -34 146
34	10.8		24 49.382	0.0076	18	-34 57 51.02	0.004	18	0.31	49.275	15	35.9	51.08	21	35.9	G5 L	C8	123	C -35 136
35	10.1	10.0W	24 50.405	0.0027	21	-30 22 3.79	0.024	21	0.42	50.358	22	32.9	4.20	21	32.9	F5	C7	153	C -30 125
36	9.6	9.4W	24 59.422	-0.0083	21	-34 34 12.73	0.020	21	0.42	59.563	22	32.9	13.07	21	32.9	G0	C7	154	C -34 147
37		7.5T	25 0.829	0.0078	13	-32 6 19.63	0.017	12	0.66	0.447	15	01.3	20.50	18	99.8	F2	GC	535	C*-32 136
38	10.0	8.8W	25 2.276	-0.0033	21	-34 24 55.45	-0.029	21	0.42	2.332	22	32.9	54.96	21	32.9	K5	C7	156	C -34 148
39	11.2	10.3W	25 4.934	0.0009	21	-30 33 54.66	0.045	21	0.42	4.920	22	32.9	55.42	21	32.9		C7	157	C -30 126
40	10.2	9.5W	25 6.918	-0.0013	21	-32 11 27.15	0.034	21	0.42	6.940	22	32.9	27.74	21	32.9	G5	C7	158	C -32 137
41	9.6	9.1W	25 8.418	0.0046	21	-32 14 0.79	0.008	21	0.42	8.340	22	32.9	0.94	21	32.9	G5	C7	160	C -32 138
42	9.6	9.1W	25 8.433	0.0066	21	-32 14 4.95	0.046	21	0.42	8.320	22	32.9	5.74	21	32.9	G5	C7	159	C -32 138
43	9.5	9.1W	25 13.310	0.0233	21	-32 39 46.44	-0.128	21	0.42	12.912	22	32.9	44.25	21	32.9	G5	C7	161	C -33 151
44	10.8	10.4W	25 22.296	0.0001	30	-37 17 10.34	-0.031	30	0.46	22.295	15	35.9	9.90	21	35.9	G5 L	C8	124	C -37 139
45		5.0T	25 27.101	-0.0014	04	-33 16 58.98	-0.045	05	0.18	27.157	06	11.7	57.21	07	10.5	MB	GC	544	C*-33 152
46	10.8	10.4W	25 29.393	-0.0056	21	-31 7 42.88	-0.050	21	0.42	29.490	22	32.9	42.02	21	32.9	G5	C7	163	C -31 172
47	11.1	10.1W	25 33.779	-0.0012	21	-32 18 30.16	-0.004	21	0.42	33.800	22	32.9	30.23	21	32.9	K L	C7	164	C -32 142
48	9.5	9.2W	25 51.674	-0.0027	21	-31 16 39.48	-0.009	21	0.42	51.720	22	32.9	39.32	21	32.9	F8	C7	165	C -31 175
49	9.5	9.3W	25 58.561	-0.0009	21	-30 23 20.71	-0.036	21	0.42	58.408	22	32.9	20.09	21	32.9	G0	C7	166	C -30 132
50	10.0	8.4W	26 0.026	0.0029	13	-35 59 43.72	0.027	13	0.26	59.985	15	35.9	44.10	21	35.9	MA	C8	127	C -36 144
51	9.4	8.4W	0 26 9.117	0.0014	21	-34 14 49.05	-0.064	21	0.42	9.092	22	32.9	47.96	21	32.9	K0	C7	167	C -34 156
52	9.5	9.3W	26 11.741	0.0029	21	-33 2 29.75	0.006	21	0.42	11.692	22	32.9	29.85	21	32.9	G0	C7	168	C*-33 156
53	10.4	10.1W	26 13.911	0.0054	18	-37 17 13.80	0.022	18	0.31	13.835	15	35.9	14.11	21	35.9	G2 L	C8	128	C -37 144
54	10.1	9.9W	26 25.256	0.0022	21	-30 0 26.17	0.025	21	0.42	25.218	22	32.9	26.60	21	32.9	F5	C7	169	C -30 135
55	9.4	8.5W	26 28.262	0.0041	13	-35 9 47.71	-0.050	13	0.26	28.204	15	35.9	47.00	21	35.9	G5	C8	129	C -35 147
56	10.7	10.3W	26 33.856	-0.0025	21	-31 2 34.36	-0.078	21	0.42	33.900	22	32.9	33.02	21	32.9	G5	C7	170	C -31 181
57	9.2	9.1W	26 36.792	0.0001	21	-31 53 57.33	0.000	21	0.42	36.790	22	32.9	57.33	21	32.9	F5	C7	171	C -32 151
58	10.7	9.9W	26 37.151	-0.0022	21	-30 7 16.38	-0.005	21	0.42	37.188	22	32.9	16.30	21	32.9	K5	C7	172	C -30 136
59	10.5	10.2W	26 48.592	0.0036	21	-31 33 13.67	-0.049	21	0.42	48.530	22	32.9	12.83	21	32.9	G0	C7	173	C -31 183
60	9.7	9.5W	26 48.673	0.0082	21	-34 22 42.17	-0.018	21	0.42	48.532	22	32.9	41.86	21	32.9	G0	C7	174	C -34 159
61	8.7	8.6W	26 55.066	0.0036	13	-36 0 2.97	-0.040	13	0.26	55.014	15	35.9	2.40	21	35.9	G0	C8	130	C -36 149
62	10.4	10.1W	27 3.706	-0.0015	21	-32 52 22.52	-0.039	21	0.42	3.732	22	32.9	21.85	21	32.9		C7	175	C -33 162
63	10.8	10.4W	27 4.765	-0.0020	21	-31 23 8.57	0.009	21	0.42	4.800	22	32.9	8.72	21	32.9	G5	C7	176	C -31 184
64	9.2	8.9W	27 5.839	-0.0067	08	-36 5 58.79	-0.013	08	0.22	5.935	15	35.9	58.60	21	35.9	G5	C8	132	C -36 152
65		7.6T	27 5.988	0.0059	13	-32 50 51.65	0.193	10	0.60	5.698	15	01.2	+ 1.37	15	99.7	F5	GC	577	C*-33 163
66	11.0	9.9W	27 16.749	-0.0061	21	-33 37 0.64	0.024	21	0.42	16.853	22	32.9	1.06	21	32.9	K0	C7	178	C -34 162
67		6.6T	27 20.361	-0.0004	16	-32 23 32.24	-0.049	12	0.72	20.378	18	02.3	29.73	18	98.4	K0	GC	580	C -32 154
68	9.4	9.1W	27 23.061	-0.0013	21	-33 41 38.49	-0.002	21	0.42	23.082	22	32.9	38.46	21	32.9	G5	C7	180	C -34 163
69	10.2	9.8W	27 24.268	-0.0054	21	-31 19 5.35	-0.107	21	0.42	24.360	22	32.9	3.52	21	32.9	G5	C7	181	C -31 186
70	9.5	8.2W	27 26.059	0.0092	21	-32 32 57.14	-0.029	21	0.42	25.902	22	32.9	56.65	21	32.9	K0	C7	182	C -32 156
71	9.3	9.6W	27 28.865	-0.0056	21	-30 30 26.11	0.048	21	0.42	28.960	22	32.9	26.92	21	32.9	A0	C7	183	C -30 138
72	10.3	9.6W	27 53.537	0.0009	21	-32 59 58.58	0.004	21	0.42	53.522	22	32.9	58.65	21	32.9	G5	C7	184	C -33 166
73	10.1	9.9W	28 1.447	0.0009	13	-36 13 43.88	0.016	13	0.26	1.434	15	35.9	44.11	21	35.9	G0	C8	133	C -36 159
74		6.7T	28 2.383	0.0052	12	-39 47 37.17	-0.073	10	0.59	2.112	15	98.0	33.15	15	95.1	K0	GC	595	C -40 103
75	11.1	10.7W	28 7.672	0.0002	21	-31 10 42.51	-0.034	21	0.42	7.670	22	32.9	41.92	21	32.9	G5 L	C7	185	C -31 189
76	11.5	10.8W	28 9.806	-0.0019	21	-31 7 34.11	-0.046	21	0.42	9.840	22	32.9	33.32	21	32.9		C7	186	C -31 190
77	10.0	10.0W	28 21.180	0.0035	21	-30 38 0.38	-0.050	21	0.42	21.120	22	32.9	59.52	21	32.9	K0	C7	187	C -31 191
78	10.5	9.5W	28 21.229	0.0011	21	-31 21 28.10	-0.063	21	0.42	21.209	22	32.9	27.02	21	32.9	K5	C7	188	C -31 192
79	10.2	10.1W	28 27.867	-0.0006	13	-39 1 33.40	-0.014	13	0.26	27.876	15	35.9	33.20	21	35.9	F2 L	C8	135	C -39 113
80	10.0	8.7W	28 29.296	0.0022	13	-36 30 51.70	-0.014	13	0.26	29.265	15	35.9	51.51	21	35.9	K0	C8	136	C -36 163
81	9.4	8.3W	28 29.780	0.0011	13	-36 3 50.40	-0.007	13	0.26	29.765	15	35.9	50.31	21	35.9	K0	C8	137	C -38 149
82	9.9	9.6W	28 32.628	0.0005	21	-31 54 46.00	-0.209	21	0.42	32.620	22	32.9	42.44	21	32.9	G0	C7	189	C -32 163
83	10.5	10.2W	28 34.680	-0.0036	21	-32 54 26.44	-0.023	21	0.42	34.742	22	32.9	26.05	21	32.9	G0 L	C7	190	C -33 171
84	8.9	8.0W	28 39.552	0.0048	18	-37 52 50.72	-0.015	18	0.31	39.485	15	35.9	50.51	21	35.9	G5	C8	138	C -38 151
85	10.8		28 46.202	0.0019	18	-35 45 8.70	-0.099	18	0.31	46.175	15	35.9	7.31	21	35.9	A0	C8	139	C -36 166
86	9.1	8.1W	29 0.606	0.0008	18	-37 28 33.70	-0.028	18	0.31	0.595	15	35.9	33.30	21	35.9	G0	C8	140	C -37 165
87	10.5	9.8W	29 6.060	0.0025	13	-36 32 59.89	0.015	13	0.26	6.025	15	35.9	+ 0.11	21	35.9	G0	C8	141	C -36 169
88	10.7	10.3W	29 17.644	0.0072	21	-31 11 37.09	-0.033	21	0.42	17.520	22	32.9	36.52	21	32.9	G5	C7	192	C -31 197
89	9.6	9.4W	29 18.091	0.0048	21	-30 41 11.33	-0.053	21	0.42	18.010	22	32.9	10.42	21	32.9	F8	C7	193	C -31 198
90	10.2	9.8W	29 19.341	0.0047	13	-37 9 3.47	0.031	13	0.26	19.275	15	35.9	3.91	21	35.9	G5	C8	142	C -37 167
91	11.0	10.2W	29 35.451	-0.0030	21	-33 13 18.31	-0.045	21	0.42	35.502	22	32.9	17.55	21	32.9	K0	C7	194	C -33 176
92	10.8		29 38.888	0.0052	23	-36 30 54.60	-0.007	23	0.37	38.815	15	35.9	54.51	21	35.9	F8 L	C8	143	C -36 174
93	10.5	10.2W	29 49.691	-0.0017	21	-31 4 51.89	-0.027	21	0.42	49.720	22	32.9	51.42	21	32.9	G5	C7	195	C -31 201
94	8.8	8.1W	29 57.923	0.0037	21	-32 19 57.18	-0.038	21	0.42	57.860	22	32.9	56.53	21	32.9	G5	C7	196	C -32 176
95	10.1	8.9W	30 0.950	0.0003	18	-38 33 13.16	0.012	18	0.31	0.946	15	35.9	13.32	21	35.9	K2	C8	144	C -38 159
96	11.0	9.7W	30 3.724	0.0002	21	-30 33 36.71	0.014	21	0.42	3.722	22	32.9	36.95	21	32.9	K5	C7	197	C -30 151
97	10.7	9.2W	30 13.415	-0.0018	21	-34 34 55.49	0.048	21	0.42	13.446	22	32.9	56.30	21	32.9	MA	C7	198	C -34 176
98	9.4	9.0W	30 13.458	0.0045	13	-35 42 3.34	0.013	13	0.26	13.395	15	35.9	3.52	21	35.9	G0	C8	145	C -36 178
99	8.9	8.5W	30 18.629	-0.0020	13	-39 36 5.76	-0.031	13	0.26	18.657	15	35.9	5.31	21	35.9	G0	C8	147	C -40 116
00	9.5	9.0W	30 25.118	-0.0004	21	-34 26 44.96	0.002	21	0.42	25.125	22	32.9	44.99	21	32.9	F2	C7	199	C -34 179

192600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 0H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					DM NUMBER
1	9.4	9.5W	0 30 36.278	-0.0080	21	-34 3 6.68	-0.046	21	0.42		36.414	22	32.9	5.89	21	32.9	A2	C7	200	C -34 181
2	10.0	9.3W	30 39.265	-0.0016	21	-32 17 53.93	-0.027	21	0.42		39.292	22	32.9	53.46	21	32.9	G5	C7	201	C -32 180
3	10.0	8.4W	30 39.276	0.0007	09	-37 12 10.87	-0.039	09	0.22		39.266	15	35.9	10.32	21	35.9	K0	C8	149	C -37 176
4	10.5	10.2W	30 45.690	0.0017	21	-31 12 49.23	-0.081	21	0.42		45.662	22	32.9	47.85	21	32.9	G0	C7	202	C -31 210
5	8.6	7.9W	31 0.840	0.0045	07	-37 3 53.53	0.007	07	0.21		0.775	15	35.9	53.62	21	35.9	G0	C8	150	C -37 182
6		7.2T	31 5.671	0.0032	13	-38 23 20.90	-0.034	11	0.65		5.512	17	00.1	19.02	15	94.4	G0	GC	658	C -38 165
7	9.2	8.4W	31 9.895	-0.0035	13	-35 26 35.42	-0.000	13	0.26		9.944	15	35.9	35.42	21	35.9	G0	C8	152	C -35 168
8		8.1T	31 10.564	-0.0019	16	-38 57 40.34	-0.050	13	0.74		10.655	21	02.6	37.80	19	99.1	A5	GC	664	C -39 128
9		6.7Q	31 16.955	-0.0040	06	-35 16 13.64	-0.509	06	0.39		17.197	12	88.6	42.05	14	87.9	G0	GC	668K	C*-35 170
10	10.7	9.7W	31 18.396	0.0007	21	-32 45 46.77	0.036	21	0.42		18.384	22	32.9	47.38	21	32.9	K0	C7	204	C -33 188
11	9.2	8.1W	31 25.476	-0.0017	21	-33 41 13.93	0.010	21	0.42		25.505	22	32.9	14.09	21	32.9	K0	C7	205	C -34 189
12		8.3T	31 26.802	0.0066	15	-35 31 15.09	-0.036	12	0.70		26.488	21	02.2	13.23	19	98.1	F5	GC	670	C*-39 131
13	9.0	8.3W	31 32.153	-0.0028	21	-30 35 52.23	-0.075	21	0.42		32.202	22	32.9	50.95	21	32.9	G5	C7	206	C -31 215
14		8.1T	31 37.484	-0.0013	12	-32 33 39.79	0.015	12	0.64		37.547	18	00.6	40.58	18	99.3	M0	GC	674	C -32 183
15	10.6		31 40.846	-0.0020	13	-35 2 25.97	-0.003	13	0.26		40.874	15	35.9	25.92	21	35.9	F5	C8	155	C -35 172
16	10.4	10.0W	31 42.873	-0.0016	13	-36 18 2.16	0.047	13	0.26		42.894	15	35.9	2.82	21	35.9	G0	C8	156	C -36 188
17	10.3	9.9W	31 46.704	0.0098	09	-36 32 23.41	-0.155	09	0.22		46.566	15	35.9	21.22	21	35.9	G0	C8	157	C -36 189
18	11.6	10.9W	31 58.623	-0.0058	21	-31 40 34.80	-0.002	21	0.42		58.722	22	32.9	34.77	21	32.9		C7	208	C -32 186
19	9.9	9.8W	32 1.085	-0.0001	18	-36 54 21.02	0.029	18	0.31		1.086	15	35.9	21.42	21	35.9	F5	C8	159	C -37 186
20	10.4	10.1W	32 10.988	0.0061	21	-33 22 10.58	-0.035	21	0.42		10.884	22	32.9	9.98	21	32.9	G0	C7	209	C -33 196
21		7.4T	32 13.988	0.0064	10	-38 16 16.55	0.014	09	0.56		13.645	18	96.2	17.36	17	93.3	K0	GC	686	C -38 174
22	10.8	9.7W	32 17.792	-0.0000	21	-32 1 16.73	0.014	21	0.42		17.792	22	32.9	16.96	21	32.9	K2	C7	210	C -32 191
23	10.6	9.5W	32 50.578	0.0008	21	-32 50 43.32	-0.031	21	0.42		50.564	22	32.9	42.78	21	32.9	K0	C7	211	C -33 205
24	10.5	9.4W	33 13.543	0.0020	13	-35 55 50.58	-0.025	13	0.26		13.515	15	35.9	50.22	21	35.9	K0	C8	163	C -36 199
25	9.7	9.3W	33 25.186	0.0057	13	-38 59 53.58	0.017	13	0.26		25.106	15	35.9	53.82	21	35.9	F5	C8	165	C -39 140
26	11.4	10.8W	33 26.121	0.0046	21	-30 53 32.82	0.031	21	0.42		26.042	22	32.9	33.35	21	32.9	G0	C7	212	C -31 225
27	10.3	10.1W	33 33.597	0.0091	21	-31 40 42.51	-0.020	21	0.42		33.442	22	32.9	42.16	21	32.9	G0	C7	213	C -32 199
28	9.5	9.1W	33 35.363	0.0030	21	-31 54 31.95	-0.034	21	0.42		35.312	22	32.9	31.37	21	32.9	G0	C7	214	C -32 200
29	9.8	9.3W	33 43.336	0.0014	09	-37 12 39.71	-0.063	09	0.22		43.315	15	35.9	38.82	21	35.9	G5	C8	166	C -37 199
30	9.8	8.6W	33 46.150	-0.0009	21	-34 10 17.64	0.015	21	0.42		46.164	22	32.9	17.89	21	32.9	G5	C7	215	C -34 202
31	8.8	8.4W	33 50.878	0.0221	06	-38 34 8.77	-0.067	06	0.20		50.566	15	35.9	7.82	21	35.9	G0	C8	167	C -38 185
32	10.8	10.1W	33 53.059	-0.0007	21	-31 29 40.51	0.008	21	0.42		53.072	22	32.9	40.65	21	32.9	K0	C7	216	C -31 227
33	10.1	8.6W	34 1.187	-0.0002	21	-30 36 31.74	0.006	21	0.42		1.192	22	32.9	31.85	21	32.9	M8	C7	217	C -31 228
34	10.6	9.9W	34 8.606	0.0086	09	-36 29 3.32	-0.000	09	0.22		8.484	15	35.9	3.32	21	35.9	K0	C8	168	C -36 203
35	11.7	10.7W	34 11.856	0.0032	21	-31 18 53.29	0.015	21	0.42		11.802	22	32.9	53.55	21	32.9		C7	218	C -31 229
36	10.2	10.1W	34 12.962	-0.0054	21	-33 32 27.00	0.041	21	0.42		13.054	22	32.9	27.69	21	32.9	F8	C7	219	C -33 213
37	11.1	10.1W	34 15.104	0.0031	21	-30 20 46.05	0.010	21	0.42		15.050	22	32.9	46.22	21	32.9	K0	C7	220	C -30 172
38		10.3W	34 26.797	-0.0044	21	-31 30 19.12	0.026	21	0.42		26.872	22	32.9	19.57	21	32.9		C7	221	C -31 231
39	10.6	10.1W	34 37.126	0.0014	21	-32 25 35.32	-0.015	21	0.42		37.102	22	32.9	35.06	21	32.9	F8	C7	223	C -32 206
40	10.0	9.7W	34 37.637	-0.0038	21	-31 58 19.37	-0.000	21	0.42		37.702	22	32.9	19.37	21	32.9	F0	C7	224	C -32 207
41		10.7W	34 50.225	0.0054	21	-31 4 12.36	-0.036	21	0.42		50.132	22	32.9	11.75	21	32.9		C7	225	C -31 233
42	8.6	8.2W	34 52.362	0.0026	13	-35 41 43.43	-0.015	13	0.26		52.325	15	35.9	43.22	21	35.9	G0	C8	169	C -36 206
43		7.0T	34 54.450	0.0456	13	-37 33 44.80	-0.033	12	0.66		52.202	19	00.7	43.10	18	98.0	G0	GC	743K	C -37 205
44	10.6E	9.5Z	35 0.502	0.0044	12	-39 57 1.40	-0.012	12	0.68		0.273	28	97.9	0.76	26	97.9		CZ	268	P -40 56
45	11.0	9.8W	35 23.744	-0.0100	21	-33 46 55.33	0.010	21	0.42		23.915	22	32.9	55.49	21	32.9	K2	C7	226	C -34 212
46	10.5	9.8W	35 51.765	0.0024	21	-32 55 59.30	-0.001	21	0.42		51.724	22	32.9	59.28	21	32.9	G0	C7	227	C -33 227
47	9.0	8.8W	35 53.271	-0.0053	21	-32 18 33.94	-0.092	21	0.42		53.362	22	32.9	32.37	21	32.9	G5	C7	228	C -32 217
48	11.2	10.4W	35 59.966	-0.0068	21	-31 30 8.30	-0.090	21	0.42	+	0.082	22	32.9	6.77	21	32.9	G5	C7	229	C -31 241
49	9.5	8.9W	36 3.377	0.0019	21	-33 44 53.18	-0.069	21	0.42		3.345	22	32.9	51.99	21	32.9	G5	C7	230	C -34 215
50	9.1	8.9W	36 7.112	-0.0002	18	-38 16 25.28	0.010	18	0.31		7.115	15	35.9	25.42	21	35.9	F8	C8	173	C -38 198
51	10.6	9.5W	0 36 17.206	-0.0042	13	-35 52 7.03	0.014	13	0.26		17.265	15	35.9	7.22	21	35.9	K5	C8	174	C -36 217
52	10.5	9.4W	36 24.762	0.0011	15	-36 43 53.96	-0.045	15	0.28		24.745	15	35.9	53.32	21	35.9	K0	C8	175	C -37 217
53	11.0	10.3W	36 25.386	-0.0028	13	-36 14 12.18	-0.025	13	0.26		25.425	15	35.9	11.82	21	35.9		C8	176	C -36 218
54	11.5	10.6W	36 25.783	0.0001	21	-31 23 29.22	-0.057	21	0.42		25.782	22	32.9	28.25	21	32.9	G5	C7	231	C -31 243
55	9.0	8.2W	36 26.907	0.0037	13	-36 13 8.01	-0.020	13	0.26		26.855	15	35.9	7.72	21	35.9	G5	C8	177	C -36 219
56	10.2	9.6W	36 30.461	-0.0031	21	-33 28 24.56	-0.022	21	0.42		30.514	22	32.9	24.18	21	32.9	G5	C7	232	C -33 232
57	11.3		36 43.554	0.0065	18	-34 55 37.10	-0.006	18	0.31		43.547	15	35.9	37.01	21	35.9	K0	C8	178	C -35 198
58	10.3	10.1W	37 2.169	-0.0004	13	-35 53 45.24	-0.008	13	0.26		2.175	15	35.9	45.12	21	35.9	F5	C8	179	C -36 221
59	9.0	7.9W	37 5.576	0.0021	21	-30 5 40.93	-0.017	21	0.42		5.540	22	32.9	40.63	21	32.9	K0	C7	233	C -30 186
60	11.2	9.7W	37 10.986	-0.0034	21	-32 56 34.89	-0.053	21	0.42		11.044	22	32.9	33.98	21	32.9	K2	C7	234	C -33 238
61	10.7	9.7W	37 18.379	-0.0036	21	-30 47 55.49	-0.014	21	0.42		18.442	22	32.9	55.25	21	32.9	K0	C7	236	C -31 249
62	8.5	8.7W	37 26.277	0.0016	09	-37 40 57.70	0.002	09	0.22		26.255	15	35.9	57.72	21	35.9	A2	C8	180	C -38 205
63		6.3I	37 30.364	0.0267	13	-34 14 4.19	-0.111	11	0.63		29.065	15	01.4	58.47	17	98.3	F8	GC	789V	C*-34 224
64		8.1T	37 37.402	-0.0025	16	-39 13 14.77	-0.017	12	0.72		37.524	21	01.7	13.90	18	98.7	A3	GC	790K	C*-39 160
65	10.1	10.1W	37 46.310	-0.0046	13	-36 20 31.94	0.020	13	0.26		46.375	15	35.9	32.22	21	35.9	F0	C8	182	C -36 226
66	9.0	8.8W	37 48.368	0.0066	09	-37 51 16.14	0.006	09	0.22		48.275	15	35.9	16.22	21	35.9	F8	C8	183	C -38 208
67	10.7	10.2W	37 52.232	-0.0012	21	-31 36 44.43	-0.027	21	0.42		52.252	22	32.9	43.96	21	32.9	G0	C7	238	C -32 237
68	10.6	9.5W	37 58.177	0.0019	21	-32 49 59.27	-0.034	21	0.42		58.144	22	32.9	58.68	21	32.9	K0	C7	239	C -33 244
69	10.4	10.3W	38 0.448	-0.0055	13	-35 46 5.80	-0.027	13	0.26		0.525	15	35.9	5.42	21	35.9	F8	C8	184	C -36 228
70	9.8	9.5W	38 2.679	0.0003	21	-32 32 33.31	0.016	21	0.42		2.674	22	32.9	33.58	21	32.9	F5	C7	240	C -32 239
71	9.7	8.7W	38 3.827	-0.0020	21	-31 25 37.67	-0.060	21	0.42		3.862	22	32.9	36.65	21	32.9	G5	C7	241	C -31 252
72	9.0	8.7W	38 4.600	0.0134	21	-30 8 38.46	0.139	21	0.42		4.370	22	32.9	40.83	21	32.9	G0	C7	242	C -30 194
73	10.2	9.8W	38 16.150	0.0008	21	-34 34 19.07	-0.150	21	0.42		16.135	22	32.9	16.50	21	32.9	G0	C7	243	C -34 230
74	9.2	8.5W	38 20.161	0.0006	21	-31 8 1.59	-0.020	21	0.42		20.152	22	32.9	1.25	21	32.9	G5	C7	244	C -31 253
75	10.1	9.7W	38 20.334	-0.0006	21	-33 2 28.27	-0.034	21	0.42		20.344	22	32.9	27.68	21	32.9	G0	C7	245	C*-33 248
76	9.6	9.3W	38 29.459	-0.0026	21	-33 1 31.98	-0.017	21	0.42		29.504	22	32.9	31.68	21	32.9	G0	C7	246	C -33 250
77	9.1	8.2W	38 31.837	-0.0007	13	-39 31 52.11	0.001	13	0.26		31.847	15	35.9	52.12	21	35.9	G5	C8	185	C -39 165
78	10.3	9.8W	38 46.801	0.0009	21	-34 48 31.24	0.010	21	0.42		46.785	22	32.9	31.40	21	32.9	G5	C7	247	C -35 211
79	10.7	9.5W	38 56.191	0.0011	21	-31 35 5.88	-0.065	21	0.42		56.172	22	32.9	4.76	21	32.9	K2	C7	248	C -31 257
80	10.2	9.0W	39 3.167	-0.0022	21	-34 0 31.05	0.003	21	0.42		3.205	22	32.9	31.09	21	32.9	K	C7	249	C -34 238
81	11.3	10.7W	39 31.414	0.0019	21	-31 33 50.25	0.013	21	0.42		31.382	22	32.9	50.47	21	32.9		C7	250	C -31 259
82	11.3	10.8W	39 31.827	0.0003	21	-31 35 54.36	-0.023	21	0.42		31.822	22	32.9	53.97	21	32.9		C7	251	C -32 250
83	10.7	10.4W	39 36.867	0.0030	23	-37 32 5.22	-0.000	23	0.37		36.825	15	35.9	5.22	21	35.9	G2	C8	187	C -37 230
84	11.5	10.4W	39 41.746	0.0015	21	-30 26 38.17	0.032	21	0.42		41.720	22	32.9	38.73	21	32.9	G5	C7	252	C -30 202
85	11.2	9.8W	39 43.106	-0.0008	13	-39 31 50.17	-0.010	13	0.26		43.117	15	35.9	50.02	21	35.9	K5	C8	188	C -39 170
86	9.2	9.2W	39 53.729	-0.0025	21	-32 11 26.39	-0.025	21	0.42		53.772	22	32.9	25.96	21	32.9	A0	C7	253	C -32 254
87	9.5	9.1W	39 54.286	-0.0038	21	-31 4 50.27	-0.025	21	0.42		54.352	22	32.9	49.85	21	32.9	G0	C7	254	C -31 262
88	9.7	9.5W	39 57.291	-0.0008	21	-34 15 51.34	-0.038	21	0.42		57.305	22	32.9	50.69	21	32.9	A2	C7	255	C -34 245
89		7.2H	40 12.490	-0.0000	06	-36 17 46.57	0.015	05	0.20		12.490	09	14.9	47.08	08	17.4	M0	F4	1016	C -36 241
90		6.1T	40 18.717	-0.0000	05	-38 44 13.64	0.000	05	0.27		18.718	10	03.5	13.65	12	99.7	A0	GC	849K	C*-39 175
91	10.4	10.1W	40 33.602	0.0062	18	-35 35 18.13	-0.071	18	0.31		33.515	15	35.9	17.12	21	35.9	G5	C8	194	C -35 220
92	10.1		40 33.906	0.0008	30	-38 24 3.19	-0.012	30	0.46		33.895	15	35.9	3.02	21	35.9	B8	C8	195	C -38 222
93		7.7T	40 48.302	0.0066	18	-38 15 17.24	-0.103	13	0.80		47.993	19	03.1	12.01	21	99.1	G5	GC	858	C -38 223
94	9.3	9.0W	40 51.526	-0.0022	21	-33 13 17.80	-0.065	21	0.42		51.564	22	32.9	16.68	21	32.9	G0	C7	256	C -33 267
95	10.7	10.2W	40 52.487	0.0101	13	-35 8 25.86	-0.017	13	0.26		52.344	15	35.9	25.62	21	35.9	K0	C8	197	C -35 222
96	11.5	10.6W	40 54.090	0.0011	21	-31 4 38.36	0.011	21	0.42		54.072	22	32.9	38.55	21	32.9	G5	C7	257	C -31 264
97	9.1	8.9W	41 15.385	0.0101	21	-30 42 37.88	0.039	21	0.42		15.212	22	32.9	38.55	21	32.9	F8	C7	258	C -31 266
98		7.5T	41 24.492	-0.0003	16	-37 44 45.98	0.000	12	0.73		24.507	22	03.1	45.99	19	98.0	F5	GC	872	C -38 225
99	11.1E	9.3Z	41 31.850	0.0145	12	-39 56 11.18	-0.010	12	0.68		31.097	28	98.1	10.65	26	98.1		CZ	320	P -40 66
00	10.8	9.7W	41 35.422	0.0001	21	-31 25 22.44	-0.023	21	0.42		35.422	22	32.9	22.05	21	32.9	K2	C7	259	C -31 269

192700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 0H DM NUMBER
1	10.3	10.0W	0 41 41.478	-0.0006	23	-36 42 20.92	-0.021	23	0.37	41.486	15	35.9	20.62	21	35.9	F8 L	C8	211	C -37 251
2	9.3	9.0W	41 41.953	-0.0064	21	-36 41 22.53	-0.151	21	0.42	42.062	22	32.9	19.95	21	32.9	F8	C7	260	C -31 271
3		6.0M	41 47.213	0.0203	04	-38 41 48.74	0.121	03	0.14	46.481	06	13.9	52.86	06	15.9	K0	F4	26	C -39 141
4	9.3	9.0W	41 53.866	-0.0011	21	-34 8 44.50	-0.012	21	0.42	53.884	22	32.9	44.29	21	32.9	F5	C7	261	C -34 261
5	9.7	9.3W	41 54.347	0.0074	21	-36 23 6.72	0.071	21	0.42	54.229	22	32.9	7.93	21	32.9	G0	C7	262	C -35 213
6	10.0	9.6W	41 59.935	0.0038	21	-36 0 58.99	0.019	21	0.42	59.870	22	32.9	59.33	21	32.9	G5	C7	263	C -36 215
7	10.1	8.7W	42 4.655	-0.0029	21	-33 55 37.34	0.055	21	0.42	4.754	22	32.9	38.19	21	32.9	MA	C7	264	C -34 263
8	10.1	9.5W	42 5.263	0.0077	09	-36 22 51.63	-0.114	09	0.22	5.154	15	35.9	50.02	21	35.9	G5	C8	264	C -36 249
9	9.9	9.5W	42 8.887	0.0050	13	-37 6 56.37	-0.131	13	0.26	8.816	15	35.9	54.52	21	35.9	G5	C8	265	C -37 252
10	10.8	10.1W	42 9.194	0.0002	21	-30 31 45.97	0.034	21	0.42	9.192	22	32.9	46.55	21	32.9	G2 L	C7	265	C -30 217
11	9.9	9.1W	42 11.828	-0.0019	23	-36 56 50.46	-0.024	23	0.37	11.856	15	35.9	50.12	21	35.9	K0	C8	266	C -37 253
12		7.6T	42 19.576	0.0029	12	-31 39 46.05	-0.005	12	0.65	19.430	15	99.7	45.82	18	98.9	G5	GC	842	C -32 274
13	10.3	9.6W	42 25.005	-0.0017	21	-32 32 33.30	0.011	21	0.42	25.034	22	32.9	33.48	21	32.9	G0	C7	267	C -32 275
14	9.6	8.7W	42 32.873	0.0041	13	-36 14 23.63	-0.036	13	0.26	32.814	15	35.9	23.12	21	35.9	K0	C8	268	C -36 252
15	9.1	9.0W	42 34.461	-0.0045	23	-37 56 51.66	0.045	23	0.37	34.525	15	35.9	51.22	21	35.9	F5	C8	269	C -38 233
16	10.5	9.8W	42 39.130	0.0009	21	-33 32 24.15	-0.003	21	0.42	39.115	22	32.9	24.19	21	32.9	G5	C7	268	C -33 281
17	9.3	9.1W	43 5.062	0.0039	13	-39 51 42.96	-0.017	13	0.26	5.007	15	35.9	42.72	21	35.9	G0	C8	210	C -40 170
18	10.1	9.9W	43 19.739	0.0017	23	-37 33 34.10	0.030	23	0.37	19.715	15	35.9	34.52	21	35.9	F2 L	C8	211	C -37 261
19	9.2	8.8W	43 21.392	-0.0040	21	-30 56 14.32	-0.016	21	0.42	21.462	22	32.9	14.05	21	32.9	G0	C7	269	C -31 280
20	11.1		43 21.467	-0.0028	21	-33 31 27.76	-0.004	21	0.42	21.515	22	32.9	27.69	21	32.9	G0 L	C7	270	C -33 286
21	8.2	7.8W	43 31.291	0.0006	21	-30 58 57.88	-0.008	21	0.42	31.282	22	32.9	57.75	21	32.9	G0	C7	271	C -31 282
22	10.3	9.8W	43 40.842	0.0004	21	-33 51 1.32	-0.054	21	0.42	40.835	22	32.9	0.39	21	32.9	G0	C7	272	C -34 275
23	9.7	9.0W	43 41.515	-0.0000	09	-38 8 26.87	0.004	09	0.22	41.515	15	35.9	26.92	21	35.9	G5	C8	212	C -38 242
24	10.1	9.7W	43 42.759	-0.0033	21	-33 33 27.61	-0.030	21	0.42	42.815	22	32.9	27.09	21	32.9	F8	C7	273	C*-33 288
25	10.9	9.0W	43 44.003	0.0030	21	-32 17 0.44	0.025	21	0.42	43.952	22	32.9	0.87	21	32.9	K2	C7	274	C -32 285
26	10.2	9.4W	43 47.110	0.0011	21	-30 57 28.08	-0.043	21	0.42	47.092	22	32.9	27.35	21	32.9	K0	C7	275	C -31 284
27	10.3	9.7W	43 48.757	0.0032	21	-31 56 50.35	-0.040	21	0.42	48.702	22	32.9	49.66	21	32.9	G5	C7	276	C -32 286
28	11.0	9.8W	44 0.788	-0.0002	21	-31 53 18.33	0.002	21	0.42	0.792	22	32.9	18.36	21	32.9	K5	C7	277	C -32 288
29	10.2	9.7W	44 4.708	0.0014	21	-32 42 27.84	-0.079	21	0.42	4.684	22	32.9	26.48	21	32.9	G0	C7	278	C -33 292
30	9.2	9.0W	44 5.237	0.0066	21	-33 25 1.21	0.057	21	0.42	5.124	22	32.9	2.18	21	32.9	F5	C7	279	C -33 293
31		6.8T	44 11.294	-0.0019	12	-35 27 50.55	-0.014	11	0.65	11.394	15	97.8	49.78	18	94.9	G5	GC	931	C -35 228
32	9.0	8.7W	44 14.727	-0.0034	06	-36 18 19.51	-0.004	06	0.20	14.775	15	35.9	18.32	21	35.9	G0	C8	213	C -36 261
33	10.0	9.1W	44 21.222	-0.0001	21	-32 31 1.89	-0.053	21	0.42	21.224	22	32.9	0.98	21	32.9	K2	C7	281	C -32 294
34	9.5	9.1W	44 26.900	-0.0021	21	-34 36 9.80	-0.011	21	0.42	26.935	22	32.9	9.60	21	32.9	G0	C7	282	C -35 253
35	9.9	8.3W	44 29.233	0.0019	13	-39 12 59.57	0.018	13	0.26	29.206	15	35.9	59.82	21	35.9	K0	C8	215	C -39 189
36	10.5	10.1W	44 32.186	0.0044	21	-30 27 14.14	-0.019	21	0.42	32.110	22	32.9	13.83	21	32.9	F2 L	C7	283	C -30 230
37	11.3	10.1W	44 35.933	-0.0058	21	-30 37 51.23	-0.087	21	0.42	36.032	22	32.9	49.75	21	32.9	G5 L	C7	284	C -31 288
38	10.2	9.3W	44 37.683	-0.0002	21	-34 50 35.30	0.012	21	0.42	37.686	22	32.9	35.50	21	32.9	K0	C7	285	C -35 255
39	10.1	9.8W	44 37.933	-0.0008	18	-38 17 19.74	-0.001	18	0.31	37.945	15	35.9	19.72	21	35.9	F5 L	C8	216	C -38 246
40	10.0	9.8W	44 42.855	-0.0049	13	-35 21 0.06	-0.038	13	0.26	42.924	15	35.9	-59.52	21	35.9	G0	C8	217	C -35 257
41	9.8	9.5W	44 57.199	-0.0012	13	-39 17 3.63	-0.022	13	0.26	57.216	15	35.9	3.32	21	35.9	G0	C8	218	C -39 190
42	9.6	8.4W	45 3.599	-0.0001	21	-31 23 45.98	-0.055	21	0.42	3.602	22	32.9	45.05	21	32.9	K0	C7	286	C -31 292
43	10.1	9.0W	45 4.894	0.0027	13	-36 37 28.01	-0.013	13	0.26	4.856	15	35.9	27.82	21	35.9	K5	C8	219	C -37 272
44		7.7T	45 7.867	-0.0151	14	-37 12 28.90	-0.346	12	0.68	8.582	21	02.7	11.55	19	99.8	G0	GC	947	C -37 273
45	9.3	9.1W	45 14.404	0.0017	21	-32 43 50.57	-0.022	21	0.43	14.374	22	32.4	50.18	21	32.4	F5	C7	287	C -33 300
46		7.1T	45 15.599	-0.0010	13	-31 37 32.61	-0.006	12	0.66	15.649	15	99.9	32.28	15	99.1	K0	GC	952	C -32 302
47	10.1	9.2W	45 24.082	0.0033	13	-39 25 44.54	-0.001	13	0.26	24.036	15	35.9	44.52	21	35.9	G5	C8	222	C -39 193
48	10.0	8.8W	45 29.970	-0.0020	21	-33 44 10.14	0.037	21	0.43	30.005	22	32.4	10.79	21	32.4	K5	C7	289	C -34 289
49	9.8	8.9W	45 32.992	0.0010	21	-32 36 28.68	-0.028	21	0.43	32.974	22	32.4	28.18	21	32.4	K2	C7	290	C -33 305
50	9.6	9.3W	45 37.058	-0.0013	13	-39 33 21.39	0.052	13	0.26	37.077	15	35.9	22.12	21	35.9	F8 L	C8	223	C -39 194
51	10.2	9.4W	0 45 41.049	-0.0004	18	-37 46 9.75	-0.002	18	0.31	41.055	15	35.9	9.72	21	35.9	G8 L	C8	224	C -38 251
52	9.7	9.2W	45 43.414	-0.0033	21	-31 2 13.67	-0.024	21	0.43	43.472	22	32.4	13.25	21	32.4	F8	C7	291	C -31 295
53	10.7	10.3W	45 52.422	0.0017	21	-31 51 44.51	-0.099	21	0.43	52.392	22	32.4	42.77	21	32.4	G L	C7	292	C -32 305
54	9.6	9.0W	45 58.144	-0.0027	21	-31 53 23.89	-0.047	21	0.43	58.192	22	32.4	23.06	21	32.4	G0	C7	293	C -32 307
55	10.0	8.5W	46 4.094	-0.0002	08	-39 39 28.88	-0.011	08	0.22	4.097	15	35.9	28.72	21	35.9	K2	C8	226	C -40 178
56	10.7	9.8W	46 14.651	-0.0006	21	-31 30 53.56	-0.011	21	0.43	14.612	22	32.4	53.37	21	32.4	K0	C7	294	C -31 296
57	10.3	9.0W	46 23.838	-0.0005	13	-36 12 37.03	-0.022	13	0.26	23.844	15	35.9	36.72	21	35.9	K5 L	C8	227	C -36 272
58	10.3	9.1W	46 26.269	-0.0032	13	-35 11 17.78	-0.025	13	0.26	26.314	15	35.9	17.42	21	35.9	K0	C8	228	C -35 272
59		7.6T	46 37.189	-0.0037	14	-36 32 9.75	0.023	12	0.69	37.375	18	00.1	10.99	17	96.8	G5	GC	974	C*-36 274
60	9.2	9.0W	46 38.995	0.0021	18	-38 33 41.29	0.038	18	0.31	38.966	15	35.9	41.82	21	35.9	F8	C8	230	C -38 258
61	10.1	9.6W	46 41.291	-0.0008	21	-34 42 44.77	-0.055	21	0.43	41.445	22	32.4	43.80	21	32.4	G5	C7	295	C -35 273
62	9.4	8.3W	46 41.938	0.0002	21	-34 5 55.06	0.053	21	0.43	41.935	22	32.4	55.99	21	32.4	K0	C7	296	C -34 300
63	9.3	9.0W	46 44.316	0.0021	13	-39 24 22.66	-0.010	13	0.26	44.286	15	35.9	22.52	21	35.9	G0	C8	231	C*-39 197
64	10.5	9.9W	46 49.405	0.0030	21	-30 54 3.96	0.090	21	0.43	49.352	22	32.4	5.55	21	32.4	G2 L	C7	297	C -31 300
65	9.8	9.4W	47 14.007	0.0037	21	-32 7 20.74	-0.044	21	0.43	13.942	22	32.4	19.96	21	32.4	F8	C7	298	C -32 322
66			47 26.144	-0.0036	18	-37 41 17.87	0.011	18	0.31	26.195	15	35.9	18.02	21	35.9	G0 L	C8	235	C -38 263
67	10.9	10.7W	47 32.936	-0.0032	21	-30 51 53.86	-0.046	21	0.43	32.992	22	32.4	53.05	21	32.4		C7	299	C -31 303
68	11.0	10.4W	47 48.731	0.0204	21	-31 36 14.25	-0.147	21	0.43	48.372	22	32.4	11.66	21	32.4		C7	300	C -32 327
69	10.0	9.5W	47 55.260	0.0082	21	-34 45 42.75	-0.025	21	0.43	55.115	22	32.4	42.30	21	32.4	K0	C7	301	C -35 278
70	10.2	10.0W	47 55.513	-0.0024	13	-39 49 57.84	-0.058	13	0.26	55.547	15	35.9	57.02	21	35.9	F5 L	C8	236	C -40 185
71	10.0	9.5W	47 55.592	0.0015	21	-34 45 43.25	-0.008	21	0.43	55.565	22	32.4	43.10	21	32.4	K0	C7	302	C -35 278
72	10.6	9.8W	47 58.934	-0.0029	13	-36 22 39.15	-0.023	13	0.26	58.975	15	35.9	38.82	21	35.9	K0 L	C8	237	C -36 284
73	11.1	10.2W	48 10.466	-0.0003	21	-31 35 4.21	-0.025	21	0.43	10.472	22	32.4	5.77	21	32.4		C7	303	C -31 307
74	10.6	10.2W	48 34.203	-0.0033	21	-30 30 13.29	-0.065	21	0.43	34.262	22	32.4	12.15	21	32.4	G2 L	C7	304	C -31 309
75	10.7	10.0W	48 39.123	-0.0029	21	-32 48 8.64	-0.026	21	0.43	39.174	22	32.4	8.18	21	32.4	G0 L	C7	305	C -33 317
76	9.3	9.0W	48 47.206	0.0036	13	-35 40 6.18	-0.025	13	0.26	47.154	15	35.9	5.82	21	35.9	G0	C8	239	C -36 292
77	9.7	8.4W	48 50.772	-0.0013	21	-34 21 20.16	0.036	21	0.43	50.795	22	32.4	20.79	21	32.4	K0	C7	306	C -34 310
78	10.9	9.9W	48 56.526	0.0001	09	-38 25 13.57	-0.010	09	0.22	56.525	15	35.9	13.42	21	35.9	F8 L	C8	240	C -38 274
79	7.5	7.2W	48 59.869	0.0002	05	-38 48 1.02	-0.042	05	0.20	59.866	15	35.9	0.42	21	35.9	F8	C8	241	C -39 208
80	9.6	9.5W	49 2.220	-0.0003	13	-35 3 16.77	-0.003	13	0.26	2.224	15	35.9	16.72	21	35.9	A5	C8	242	C -35 285
81	9.5	9.1W	49 10.871	-0.0035	21	-31 15 26.80	-0.026	21	0.43	10.932	22	32.4	26.35	21	32.4	F8	C7	308	C -31 315
82	9.4	9.1W	49 14.296	-0.0028	10	-38 45 46.06	-0.031	10	0.23	14.336	15	35.9	45.62	21	35.9	G0	C8	243	C -39 210
83	9.3	9.2W	49 29.505	0.0007	21	-31 13 49.62	-0.027	21	0.43	29.492	22	32.4	49.15	21	32.4	A5	C7	309	C -31 319
84	11.1		49 34.159	-0.0059	21	-30 51 35.65	0.017	21	0.43	34.262	22	32.4	35.95	21	32.4		C7	310	C -31 325
85	8.4	8.7W	49 43.074	-0.0022	13	-36 1 10.09	-0.012	13	0.26	43.105	15	35.9	9.92	21	35.9	A0	C8	244	C -36 296
86	9.8	9.4W	49 43.764	-0.0027	21	-32 26 8.93	-0.049	21	0.43	43.812	22	32.4	8.07	21	32.4	F8	C7	311	C -32 340
87	10.9		49 49.186	-0.0006	23	-37 33 55.31	0.015	23	0.37	49.195	15	35.9	55.52	21	35.9	F5 L	C8	245	C -37 311
88	10.5	10.1W	49 54.834	0.0062	06	-39 46 4.64	-0.008	06	0.20	54.747	15	35.9	4.52	21	35.9	G5 L	C8	246	C -40 194
89	9.5	8.6W	49 55.757	-0.0022	21	-34 52 10.42	0.005	21	0.43	55.795	22	32.4	10.50	21	32.4	K2	C7	312	C -35 295
90	10.5	9.6W	50 6.725	0.0002	21	-31 53 55.85	-0.067	21	0.43	6.722	22	32.4	54.67	21	32.4	K0	C7	313	C -32 347
91	10.5	10.5W	50 13.508	-0.0047	18	-35 4 9.76	-0.052	18	0.31	13.574	15	35.9	9.02	21	35.9	F2 L	C8	247	C -35 298
92	9.1	8.6W	50 19.893	0.0020	07	-38 24 31.24	-0.093	07	0.21	19.865	15	35.9	29.92	21	35.9	G0	C8	248	C -38 281
93		7.2T	50 33.797	0.0484	12	-30 37 43.38	0.041	11	0.63	31.310	14	98.6	45.57	17	96.3	G5	GC	1058	C*-31 325
94	9.5	9.1W	50 34.498	0.0150	21	-32 55 52.03	0.100	21	0.43	34.234	22	32.4	53.78	21	32.4	F8	C7	315	C -33 330
95	10.9	10.2W	50 38.099	-0.0019	21	-31 11 1.66	-0.029	21	0.43	38.132	22	32.4	1.15	21	32.4	G2 L	C7	316	C -31 327
96	8.5	8.4W	50 51.320	0.0017	13	-38 59 12.86	-0.010	13	0.26	51.296	15	35.9	12.72	21	35.9	A3	C8	249	C -39 215
97	10.3	9.3W	51 2.002	-0.0037	13	-35 7 25.53	-0.043	13	0.26	2.054	15	35.9	24.92	21	35.9	K5	C8	250	C -35 300
98	8.8	8.7W	51 3.584	0.0041	13	-39 20 20.78	0.010	13	0.26	3.526	15	35.9	20.92	21	35.9	A5	C8	251	C -39 217
99	9.8	8.7W	51 17.572	0.0012	18	-38 14 28.82	-0.021	18	0.31	17.555	15	35.9	28.52	21	35.9	K0	C8	253	C -38 293
00	10.5	9.7W	51 23.285	-0.0004	21	-32 1 15.82	-0.026	21	0.43	23.292	22	32.4	15.37	21	32.4	K0	C7	317	C -32 355

192800 -30° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.2	8.9W	0 51 23.599	0.0056	21	-30 26 54.81	-0.027	21	0.43	23.500	22	32.4	54.33	21	32.4	F0	C7	318	C -30 269
2	9.8	9.2W	51 29.450	-0.0025	21	-32 30 28.88	-0.079	21	0.43	29.494	22	32.4	27.48	21	32.4	G5	C7	319	C -32 356
3	8.7	8.7W	51 32.069	0.0053	18	-37 21 3.34	-0.001	18	0.31	31.995	15	35.9	3.32	21	35.9	F5	C8	254	C -37 319
4		7.9T	51 39.808	0.0016	07	-32 36 20.97	-0.005	06	0.33	39.734	12	04.0	20.74	12	00.8	F2	GC	1079	C -33 337
5	10.7	9.8W	51 46.013	0.0028	21	-32 44 14.26	-0.033	21	0.43	45.964	22	32.4	13.68	21	32.4	G5 L	C7	321	C -33 338
6	10.4	9.9W	51 46.142	-0.0074	21	-31 7 59.98	0.038	21	0.43	46.272	22	32.4	0.65	21	32.4	F5	C7	322	C -31 338
7	10.2	10.0W	51 48.918	0.0101	23	-36 40 41.64	-0.044	23	0.37	48.775	15	35.9	41.02	21	35.9	F8 L	C8	255	C -37 322
8	9.8	8.9W	51 57.752	0.0011	13	-38 30 7.28	0.003	13	0.26	57.736	15	35.9	7.32	21	35.9	G5	C8	256	C -38 295
9	11.0	10.6W	52 1.469	0.0032	21	-30 59 58.31	0.002	21	0.43	1.412	22	32.4	58.35	21	32.4		C7	323	C -31 342
10	9.6	9.3W	52 1.569	0.0017	13	-35 40 20.38	0.003	13	0.26	1.545	15	35.9	20.42	21	35.9	F5	C8	257	C -36 312
11	9.7	9.2W	52 8.881	0.0062	21	-31 54 55.40	-0.070	21	0.43	8.772	22	32.4	54.17	21	32.4	G5	C7	324	C -32 360
12	8.6	8.4W	52 15.041	-0.0042	21	-34 13 43.40	0.011	21	0.43	15.115	22	32.4	43.59	21	32.4	F2	C7	325	C -34 337
13	10.4	9.9W	52 16.959	0.0027	21	-32 15 26.30	0.095	21	0.43	16.912	22	32.4	27.97	21	32.4	G0 L	C7	326	C -32 361
14	9.6	9.1W	52 26.715	-0.0045	21	-32 53 23.59	-0.108	21	0.43	26.794	22	32.4	21.68	21	32.4	G0	C7	327	C -33 344
15	11.5	10.8W	52 34.564	-0.0015	21	-31 17 39.28	0.055	21	0.43	34.592	22	32.4	40.25	21	32.4		C7	328	C -31 345
16	11.0	10.7W	52 53.182	-0.0006	21	-30 47 46.20	-0.003	21	0.43	53.192	22	32.4	46.15	21	32.4		C7	329	C -31 346
17	10.2	10.1W	53 3.752	0.0005	18	-36 3 28.58	-0.032	18	0.31	3.744	15	35.9	28.12	21	35.9	F8 L	C8	261	C -36 322
18	9.2	8.7W	53 4.663	0.0077	09	-37 47 35.25	-0.130	09	0.22	4.555	15	35.9	33.42	21	35.9	G0	C8	262	C -38 312
19	11.6	10.9W	53 9.675	0.0048	21	-31 27 47.11	-0.055	21	0.43	9.592	22	32.4	46.15	21	32.4		C7	330	C -31 352
20	10.2	9.3W	53 11.420	-0.0033	18	-36 53 42.25	-0.002	18	0.31	11.466	15	35.9	42.22	21	35.9	K0 L	C8	263	C -37 331
21	10.0	9.6W	53 17.660	-0.0031	21	-34 1 22.86	-0.021	21	0.43	17.715	22	32.4	22.49	21	32.4	G5	C7	331	C -34 347
22	9.2	9.0W	53 38.487	-0.0013	13	-39 22 35.90	-0.055	13	0.26	38.506	15	35.9	35.12	21	35.9	F5	C8	264	C -39 232
23	9.0	9.1W	53 57.456	0.0036	13	-35 53 0.02	-0.035	13	0.26	57.405	15	35.9	59.52	21	35.9	A2	C8	265	C -36 327
24	10.7	9.6W	53 57.999	-0.0011	13	-35 25 6.23	-0.007	13	0.26	58.014	15	35.9	6.32	21	35.9	K1 L	C8	266	C -35 315
25	10.2	10.6W	53 58.427	-0.0043	21	-31 27 15.29	-0.008	21	0.43	58.502	22	32.4	15.15	21	32.4	A0	C7	333	C -31 362
26	11.3	10.7W	54 4.368	-0.0048	21	-30 54 35.41	0.002	21	0.43	4.452	22	32.4	35.45	21	32.4		C7	334	C -31 364
27	9.7	9.5W	54 4.585	0.0000	21	-34 5 17.05	-0.026	21	0.43	4.584	22	32.4	16.59	21	32.4	G0	C7	335	C -34 358
28	9.8	9.4W	54 20.605	-0.0029	18	-38 42 30.61	-0.084	18	0.31	20.646	15	35.9	29.42	21	35.9	G0	C8	268	C -39 235
29	9.1	8.8W	54 22.041	-0.0011	13	-34 56 8.66	0.018	13	0.26	22.057	15	35.9	8.91	21	35.9	F5	C8	269	C -35 320
30	9.7	8.8W	54 23.334	0.0020	13	-39 12 9.75	-0.009	13	0.26	23.306	15	35.9	9.62	21	35.9	G5	C8	271	C -39 236
31	10.1	10.2W	54 29.967	-0.0002	21	-30 1 52.34	0.044	21	0.43	29.970	22	32.4	53.13	21	32.4	A2	C7	336	C -30 283
32	10.3	9.4W	54 34.610	0.0022	21	-32 8 47.95	0.001	21	0.43	34.572	22	32.4	47.96	21	32.4	K0	C7	337	C -32 374
33	9.8	8.8W	54 42.941	-0.0042	21	-34 8 24.52	0.010	21	0.43	43.015	22	32.4	24.69	21	32.4	K0	C7	338	C -34 360
34	10.8	9.6W	54 45.926	-0.0004	21	-31 17 46.51	-0.032	21	0.43	45.932	22	32.4	45.95	21	32.4	K0 L	C7	339	C -31 368
35	9.2	8.8W	54 50.258	-0.0062	18	-36 42 18.00	-0.041	18	0.31	50.346	15	35.9	17.42	21	35.9	G0	C8	272	C -37 345
36	8.8	8.9W	54 59.517	0.0014	08	-39 47 50.72	-0.021	08	0.22	59.497	15	35.9	50.42	21	35.9	A0	C8	273	C -40 209
37	10.5	9.9W	55 8.484	0.0008	21	-30 16 12.52	0.012	21	0.43	8.470	22	32.4	12.73	21	32.4	G5 L	C7	340	C -30 288
38	10.0	9.7W	55 9.159	-0.0019	13	-39 24 22.39	-0.069	13	0.26	9.186	15	35.9	21.42	21	35.9	F5 L	C8	274	C -39 242
39	10.2	9.2W	55 11.005	-0.0007	10	-36 43 22.79	-0.033	10	0.23	11.015	15	35.9	22.32	21	35.9	K0 L	C8	275	C -37 349
40	9.6	8.4W	55 16.239	-0.0041	21	-30 45 28.57	-0.024	21	0.43	16.312	22	32.4	28.15	21	32.4	K2	C7	341	C -31 376
41	9.8	9.5W	55 41.075	-0.0021	13	-36 28 12.50	-0.062	13	0.26	41.104	15	35.9	11.62	21	35.9	G0	C8	276	C -36 344
42	9.6	9.3W	55 49.829	-0.0003	18	-37 31 10.12	0.007	18	0.31	49.825	15	35.9	10.22	21	35.9	F5	C8	277	C -37 353
43	10.4	9.4W	55 57.981	-0.0017	13	-35 45 13.24	-0.044	13	0.26	58.004	15	35.9	12.62	21	35.9	K1 L	C8	278	C -36 348
44	10.5	10.5W	56 13.482	-0.0001	21	-32 35 29.77	-0.038	21	0.44	13.488	22	31.9	29.08	21	31.9	F0 L	C7	342	C -32 392
45	10.5	10.0W	56 14.731	-0.0091	21	-34 41 37.37	-0.020	21	0.44	14.895	22	31.9	37.00	21	31.9	G5 L	C7	343	C -35 329
46	11.3	11.1W	56 53.479	0.0009	21	-31 29 22.92	0.007	21	0.44	53.461	22	31.9	23.05	21	31.9		C7	344	C -31 384
47	9.4	9.4W	56 54.593	-0.0016	13	-35 45 38.14	-0.044	13	0.26	54.615	15	35.9	37.52	21	35.9	A3	C8	281	C -36 357
48	9.5	9.5W	57 0.116	-0.0019	21	-30 51 9.40	-0.009	21	0.44	0.152	22	31.9	9.25	21	31.9	F0	C7	345	C -31 385
49	9.7	9.8W	57 3.277	-0.0058	21	-32 14 5.34	0.001	21	0.44	3.382	22	31.9	5.36	21	31.9	A5	C7	346	C -32 395
50		7.7T	57 3.285	0.0011	12	-34 54 21.81	0.020	09	0.58	3.230	18	00.1	22.93	17	94.3	K0	GC	1188	C*-35 336
51	10.2	9.9W	0 57 6.085	-0.0049	21	-30 22 25.75	0.007	21	0.44	6.174	22	31.9	25.88	21	31.9	G5 L	C7	347	C -33 365
52	10.7	10.7W	57 15.291	-0.0038	18	-38 8 45.52	-0.042	18	0.31	15.345	15	35.9	44.92	21	35.9	F5 L	C8	283	C -38 333
53	8.9	7.5W	57 20.952	0.0028	21	-31 36 21.51	-0.069	21	0.44	20.902	22	31.9	20.26	21	31.9	K0	C7	348	C -32 396
54	10.9	9.9W	57 28.702	-0.0038	21	-30 37 53.22	0.007	21	0.44	28.772	22	31.9	53.35	21	31.9	G0	C7	349	C -31 390
55	9.7	9.3W	57 31.673	0.0067	21	-31 32 25.75	-0.027	21	0.44	31.552	22	31.9	25.26	21	31.9	G5	C7	350	C -31 391
56	9.9	9.7W	57 33.216	-0.0030	21	-30 41 55.20	0.041	21	0.44	33.271	22	31.9	55.95	21	31.9	G0	C7	351	C -31 392
57	10.3	10.1W	57 38.304	-0.0033	21	-32 53 38.67	-0.060	21	0.44	38.364	22	31.9	37.58	21	31.9	G0 L	C7	352	C -33 371
58		10.7W	57 44.395	-0.0064	21	-30 58 41.53	-0.005	21	0.44	44.512	22	31.9	41.45	21	31.9		C7	353	C -31 394
59	10.8	9.8W	57 46.589	0.0002	18	-37 29 14.56	0.019	18	0.31	46.586	15	35.9	14.82	21	35.9	K2 L	C8	284	C -37 361
60	10.4	10.2W	57 47.353	-0.0050	21	-33 16 54.01	-0.068	21	0.44	47.444	22	31.9	52.78	21	31.9	G0 L	C7	354	C -33 372
61	11.2	10.6W	57 49.527	-0.0098	21	-33 36 52.35	0.058	21	0.44	49.704	22	31.9	53.39	21	31.9		C7	355	C -34 380
62	10.9	10.0W	58 9.737	-0.0012	13	-35 16 20.34	-0.072	13	0.26	9.754	15	35.9	19.32	21	35.9	K1 L	C8	285	C -35 341
63		7.9T	58 13.998	0.0029	09	-36 30 26.57	0.000	08	0.37	13.877	09	07.9	26.58	10	07.2	K0	GC	1213	C*-36 367
64	10.1	9.8W	58 23.598	0.0015	08	-39 48 27.31	0.008	08	0.22	23.577	15	35.9	27.42	21	35.9	G0	C8	287	C -40 222
65	10.5	10.5W	58 24.235	0.0051	21	-31 1 35.52	0.079	21	0.44	24.141	22	31.9	36.95	21	31.9	F8 L	C7	356	C -31 400
66	10.1	10.0W	58 36.061	-0.0024	13	-35 37 50.61	0.008	13	0.26	36.095	15	35.9	50.72	21	35.9	F5	C8	289	C -36 370
67	10.2	9.5W	58 39.282	-0.0012	21	-32 59 11.98	0.022	21	0.44	39.304	22	31.9	12.38	21	31.9	K0 L	C7	357	C -33 375
68	10.9	10.8W	58 56.706	-0.0041	21	-30 52 49.43	-0.027	21	0.44	56.781	22	31.9	48.95	21	31.9	F L	C7	358	C -31 404
69	10.3	10.2W	58 57.835	-0.0026	21	-32 8 6.99	-0.007	21	0.44	57.882	22	31.9	6.86	21	31.9	G0	C7	359	C -32 401
70		5.6T	58 58.321	0.0070	08	-39 11 9.90	0.058	08	0.36	58.035	10	09.0	12.37	12	07.5	K0	GC	1229	C*-39 260
71		7.7T	58 59.739	-0.0001	12	-33 37 44.85	0.008	11	0.56	59.742	14	01.4	45.26	14	00.6	K0	GC	1230	C -34 387
72	9.8	9.9W	59 12.211	0.0006	21	-31 12 22.77	-0.029	21	0.44	12.201	22	31.9	22.25	21	31.9	F5	C7	361	C -31 406
73	10.8	9.8W	59 12.384	-0.0033	21	-33 27 16.15	-0.048	21	0.44	12.444	22	31.9	15.28	21	31.9	K0 L	C7	362	C -33 379
74		6.7T	59 14.402	-0.0047	11	-38 28 56.38	-0.084	09	0.57	14.642	19	99.1	51.69	19	94.0	K0	GC	1237	C -38 344
75	9.9	9.4W	59 35.949	0.0016	21	-30 15 23.32	0.056	21	0.44	35.920	22	31.9	24.32	21	31.9	G5	C7	363	C -30 315
76	10.3	9.9W	59 38.780	0.0045	13	-34 59 56.10	-0.091	13	0.26	38.717	15	35.9	54.81	21	35.9	G8 L	C8	293	C -35 347
77	11.0	10.0W	59 43.967	0.0015	18	-37 7 59.09	-0.019	18	0.31	43.946	15	35.9	58.82	21	35.9	K1 L	C8	294	C -37 371
78	9.0	8.8W	59 49.635	0.0068	21	-31 53 29.99	-0.040	21	0.44	49.512	22	31.9	29.26	21	31.9	F8	C7	364	C -32 406
79	10.3	9.7W	59 49.935	0.0007	21	-31 4 1.85	0.005	21	0.44	49.921	22	31.9	1.95	21	31.9	K0	C7	365	C -31 408
80	11.0	10.9W	59 55.703	-0.0016	21	-31 31 41.68	-0.023	21	0.44	55.732	22	31.9	41.26	21	31.9		C7	366	C -31 409
81	10.6	9.8W	59 56.561	-0.0028	21	-32 22 25.50	-0.002	21	0.44	56.612	22	31.9	25.46	21	31.9	G5	C7	367	C -32 408
82	10.7	9.6W	59 56.761	-0.0045	21	-30 52 23.61	-0.026	21	0.44	56.841	22	31.9	23.15	21	31.9	K2 L	C7	368	C -31 410
83	10.0	9.2W	1 0 0.887	-0.0002	21	-30 39 38.73	-0.038	21	0.44	0.891	22	31.9	38.05	21	31.9	K0	C7	369	C -31 411
84		5.5H	0 3.237	0.0060	03	-31 49 14.89	0.017	03	0.11	3.034	06	15.9	15.41	05	19.1	A2	F4	1026	C -32 410
85	10.5	10.5W	0 4.688	-0.0019	21	-31 29 29.47	-0.079	21	0.44	4.721	22	31.9	28.05	21	31.9	A8 L	C7	371	C -31 412
86	9.7	9.1W	0 12.976	0.0072	21	-34 38 19.80	0.039	21	0.44	12.845	22	31.9	20.50	21	31.9	K0	C7	372	C -35 350
87	9.9	9.5W	0 20.618	0.0080	09	-35 57 44.74	0.027	09	0.22	20.505	15	35.9	45.12	21	35.9	G0	C8	295	C -36 384
88	10.0	9.8W	0 25.239	0.0038	21	-30 31 18.54	0.017	21	0.44	25.172	22	31.9	18.85	21	31.9	G0	C7	373	C -30 319
89		8.5T	0 30.237	-0.0151	17	-37 34 57.96	-0.077	13	0.77	30.955	18	02.5	53.91	19	97.2	F5	GC	1261	C -37 378
90		8.5T	0 32.371	0.0018	18	-37 33 9.99	0.004	13	0.81	32.286	18	02.4	10.21	21	98.2	G	GC	1264	C -37 379
91	10.3	10.1W	0 36.943	0.0034	18	-37 58 56.80	0.016	18	0.31	36.895	15	35.9	57.02	21	35.9	G0 L	C8	299	C -38 350
92	9.7	9.7W	0 48.603	-0.0017	21	-33 0 42.07	-0.016	21	0.44	48.634	22	31.9	41.78	21	31.9	F5	C7	374	C -33 388
93		7.6T	1 1.670	0.0023	14	-32 20 46.57	0.023	12	0.68	1.557	18	00.9	47.74	18	98.1	K0	GC	1273	C -32 412
94	10.6	10.6W	1 11.266	0.0007	18	-36 45 13.94	-0.008	18	0.31	11.256	15	35.9	13.82	21	35.9	F0 L	C8	300	C -37 384
95	9.2	8.8W	1 14.707	0.0136	08	-39 23 26.67	-0.074	08	0.22	14.516	15	35.9	25.62	21	35.9	G0	C8	301	C -39 276
96	9.0	8.8W	1 20.536	0.0024	21	-30 39 59.58	-0.052	21	0.44	20.491	22	31.9	58.65	21	31.9	F5	C7	376	C -31 418
97	11.1	11.1W	1 22.970	-0.0028	21	-31 5 48.12	0.012	21	0.44	23.021	22	31.9	48.35	21	31.9		C7	377	C -31 420
98	9.5	9.2W	1 27.886	-0.0042	21	-32 3 18.09	-0.018	21	0.44	27.962	22	31.9	17.76	21	31.9	G0	C7	378	C -32 415
99	10.9	10.2W	1 35.339	-0.0019	13	-36 31 52.76	-0.059	13	0.26	35.365	15	35.9	51.92	21	35.9	G2 L	C8	303	C -36 395
00	8.8	9.1W	1 38.616	-0.0001	13	-34 56 41.49	-0.005	13	0.26	38.616	15	35.9	41.41	21	35.9	A0	C8	304	C -35 361

192900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.6	10.2W	1 1 42.378	0.0540	06	-34 56 21.75	-0.300	06	0.20	41.617	15	35.9	17.51	21	35.9		C8	305	C -35 360
2	9.5	9.4W	1 47.467	-0.0038	21	-34 43 5.99	-0.027	21	0.44	47.535	22	31.9	5.50	21	31.9	F5	C7	379	C -35 363
3	9.9	10.0W	1 53.562	0.0034	21	-30 17 23.41	0.012	21	0.44	53.500	22	31.9	23.62	21	31.9	A2	C7	380	C -30 330
4	9.7	8.9W	1 59.223	0.0006	18	-37 39 34.79	-0.019	18	0.31	59.215	15	35.9	34.52	21	35.9	G5	C8	306	C -38 362
5	9.3	9.0W	2 1.182	-0.0023	13	-37 34 16.93	-0.064	13	0.26	1.215	15	35.9	16.02	21	35.9	G0	C8	307	C -37 389
6	9.0	8.8W	2 6.569	0.0027	21	-30 3 53.03	-0.012	21	0.44	6.520	22	31.9	52.82	21	31.9	F5	C7	381	C -30 332
7		6.5T	2 11.221	-0.0023	11	-33 48 1.47	-0.011	08	0.51	11.336	17	99.1	0.90	15	95.9	G5	GC	1297K	C -34 411
8	8.5	8.3W	2 14.020	0.0054	21	-30 45 24.37	0.026	21	0.44	13.922	22	31.9	24.85	21	31.9	F8	C7	383	C -31 426
9	11.2	10.9W	2 20.495	0.0051	21	-30 59 9.92	-0.076	21	0.44	20.401	22	31.9	8.55	21	31.9		C7	384	C -31 427
10	10.9		2 22.030	0.0025	18	-35 36 47.45	-0.073	18	0.31	21.995	15	35.9	46.42	21	35.9	G0 L	C8	308	C -36 403
11	8.1	7.7W	2 22.247	-0.0156	06	-39 44 56.03	-0.540	06	0.20	22.467	15	35.9	48.42	21	35.9	G0	C8	309	C -40 239
12	9.7	9.2W	2 23.044	-0.0093	18	-36 51 35.98	-0.110	18	0.31	23.175	15	35.9	34.42	21	35.9	G0	C8	310	C -37 390
13		7.7T	2 49.072	-0.0007	14	-37 49 54.02	0.003	11	0.63	49.105	17	03.2	54.18	18	00.1	G0	GC	1307	C#-38 372
14	9.2	9.2W	3 1.420	0.0010	13	-39 5 4.75	-0.009	13	0.26	1.406	15	35.9	4.62	21	35.9	A0	C8	314	C -39 284
15	10.8	10.1W	3 14.752	-0.0022	21	-31 21 39.67	-0.029	21	0.44	14.791	22	31.9	39.15	21	31.9	G5 L	C7	385	C -31 434
16	10.7	10.0W	3 18.025	-0.0094	21	-34 2 35.42	0.026	21	0.44	18.194	22	31.9	35.89	21	31.9	G5 L	C7	386	C -34 417
17	9.5	9.2W	3 21.250	-0.0012	21	-32 13 5.69	-0.051	21	0.44	21.272	22	31.9	4.76	21	31.9	G0	C7	387	C -32 429
18	9.1	8.2W	3 38.962	-0.0022	21	-32 7 17.91	-0.041	21	0.44	39.002	22	31.9	17.16	21	31.9	G5	C7	388	C -32 430
19	9.8	8.9W	3 43.426	-0.0001	13	-39 40 54.04	-0.015	13	0.26	43.427	15	35.9	53.82	21	35.9	G5	C8	316	C -40 244
20	9.6	8.2W	3 50.568	0.0037	18	-38 30 1.61	0.022	18	0.31	50.516	15	35.9	1.92	21	35.9	K0	C8	317	C -38 377
21	10.2	9.7W	3 53.776	0.0036	18	-37 32 33.74	-0.086	18	0.31	53.725	15	35.9	32.52	21	35.9	G5 L	C8	318	C -37 401
22		7.6T	3 56.823	-0.0003	11	-35 3 53.84	-0.007	09	0.44	56.837	14	09.0	53.55	12	06.6	F8	GC	1338	C -35 374
23	11.6		4 2.151	0.0027	21	-31 17 30.47	-0.007	21	0.44	2.101	22	31.9	30.35	21	31.9	G5 L	C7	389	C -31 442
24	10.5	9.5W	4 4.664	0.0006	21	-32 53 35.67	0.023	21	0.44	4.654	22	31.9	36.08	21	31.9	K0	C7	390	C -33 402
25		6.6T	4 6.030	0.0054	09	-35 55 39.58	-0.018	08	0.48	5.762	15	00.6	38.55	17	92.3	B9	GC	1341	C -36 417
26	9.3	8.6W	4 7.366	0.0007	13	-37 12 9.30	0.023	13	0.26	7.355	15	35.9	9.62	21	35.9	G0	C8	321	C -37 404
27	10.5	9.7W	4 14.061	-0.0028	21	-31 32 45.56	-0.044	21	0.44	14.112	22	31.9	44.76	21	31.9	K0 L	C7	391	C -31 443
28	10.7	10.0W	4 22.098	-0.0005	13	-36 23 52.20	-0.048	13	0.26	22.105	15	35.9	51.52	21	35.9	K0 L	C8	322	C -36 420
29	11.0	10.7W	4 23.399	0.0016	21	-30 25 23.45	-0.012	21	0.44	23.370	22	31.9	23.22	21	31.9	G2 L	C7	392	C -30 345
30	10.8	9.9W	4 24.951	-0.0074	21	-34 15 5.67	-0.010	21	0.44	25.084	22	31.9	5.49	21	31.9	G5 L	C7	393	C -34 424
31		10.0W	4 28.356	-0.0006	30	-36 31 6.04	-0.051	30	0.46	28.365	15	35.9	5.32	21	35.9		C8	323	C -36 421
32	10.5	10.4W	4 33.871	0.0004	21	-33 1 17.88	-0.011	21	0.44	33.864	22	31.9	17.68	21	31.9	G0	C7	394	C -33 406
33	10.6	10.0W	4 59.736	-0.0105	09	-35 7 33.45	-0.066	09	0.22	59.884	15	35.9	32.52	21	35.9	K0 L	C8	324	C -35 381
34	10.9		5 0.874	0.0035	13	-35 7 31.01	-0.056	13	0.26	0.824	15	35.9	30.22	21	35.9		C8	325	C -35 381
35	10.3	9.6W	5 2.313	0.0020	13	-36 22 43.77	-0.053	13	0.26	2.285	15	35.9	43.02	21	35.9	G8 L	C8	326	C -36 428
36	10.1	9.7W	5 12.461	0.0016	21	-31 55 56.39	-0.112	21	0.44	12.432	22	31.9	54.36	21	31.9	G0	C7	396	C -32 439
37	10.9	10.4W	5 16.087	-0.0019	21	-32 3 26.53	-0.031	21	0.44	16.122	22	31.9	25.96	21	31.9	G0 L	C7	397	C -32 441
38		8.1T	5 19.656	0.0078	09	-33 4 50.19	-0.048	07	0.39	19.319	15	06.8	48.01	14	04.2	G5	GC	1371	C -33 409
39	10.5	9.6W	5 31.370	-0.0013	21	-33 29 57.68	-0.011	21	0.44	31.394	22	31.9	57.48	21	31.9	G5 L	C7	399	C -33 410
40	9.8	9.4W	5 38.823	0.0020	18	-38 9 55.20	0.002	18	0.31	38.795	15	35.9	55.22	21	35.9	F5	C8	328	C -38 388
41	10.4	9.7W	5 48.918	0.0091	21	-33 3 21.42	-0.035	21	0.44	48.754	22	31.9	20.78	21	31.9	G5 L	C7	400	C -33 411
42	9.8	9.0W	5 53.187	0.0036	09	-38 32 47.68	-0.032	08	0.22	53.136	15	35.9	47.22	21	35.9	G5	C8	329	C -38 391
43	10.1	10.1W	5 55.989	0.0014	21	-32 39 32.32	0.042	21	0.44	55.964	22	31.9	33.08	21	31.9	F8	C7	401	C -33 412
44	10.2	9.7W	5 56.853	-0.0001	21	-34 16 31.06	-0.059	21	0.44	56.854	22	31.9	29.99	21	31.9	G5 L	C7	402	C -34 437
45	10.0	9.0W	6 2.579	0.0003	21	-32 41 31.67	-0.005	21	0.44	2.574	22	31.9	31.58	21	31.9	G5	C7	403	C -33 415
46	9.7	9.4W	6 10.153	0.0062	13	-38 38 29.88	0.060	13	0.26	10.066	15	35.9	30.72	21	35.9	G0	C8	330	C -39 302
47	10.5	10.3W	6 18.968	-0.0045	21	-30 42 20.58	-0.046	21	0.44	19.041	22	31.9	19.75	21	31.9	F8 L	C7	404	C -31 452
48	9.5	9.5W	6 20.578	-0.0010	21	-34 34 48.72	0.021	21	0.44	20.595	22	31.9	49.10	21	31.9	A5	C7	405	C -34 439
49	9.1	8.1W	6 21.066	-0.0042	21	-32 25 38.72	-0.036	21	0.44	21.142	22	31.9	38.06	21	31.9	K0	C7	406	C -32 452
50	10.5	10.5W	6 21.173	0.0006	18	-37 20 36.74	0.034	18	0.31	21.165	15	35.9	37.22	21	35.9	A0 L	C8	331	C -37 424
51	9.8	9.1W	1 6 35.028	0.0142	21	-31 11 39.78	-0.129	21	0.44	34.771	22	31.9	37.45	21	31.9	K0	C7	408	C -31 455
52	11.1	11.1W	6 37.255	-0.0070	21	-32 19 36.04	-0.032	21	0.44	37.382	22	31.9	35.46	21	31.9		C7	409	C -32 455
53	9.2	8.9W	6 44.756	0.0006	21	-33 52 29.26	-0.009	21	0.44	44.744	22	31.9	29.09	21	31.9	G0	C7	410	C -34 444
54	9.8	9.1W	6 49.086	0.0015	06	-36 24 32.13	-0.107	06	0.20	49.065	15	35.9	30.62	21	35.9	G0	C8	333	C -36 437
55	10.6	9.6W	6 52.158	-0.0005	18	-37 36 21.86	0.026	18	0.31	52.165	15	35.9	22.22	21	35.9	G5 L	C8	334	C -38 398
56	10.1	9.9W	6 52.250	0.0009	21	-33 28 48.08	-0.033	21	0.44	52.234	22	31.9	47.48	21	31.9	G0	C7	411	C -33 422
57	10.7	9.8W	7 9.000	0.0004	18	-38 22 14.70	0.009	18	0.31	8.995	15	35.9	14.82	21	35.9	K0 L	C8	336	C -38 399
58	10.2	9.9W	7 31.614	0.0123	21	-32 21 5.48	-0.095	21	0.44	31.392	22	31.9	3.76	21	31.9	G0	C7	412	C -32 463
59	10.7	9.9W	7 37.109	-0.0014	21	-32 55 22.69	-0.017	21	0.44	37.134	22	31.9	22.38	21	31.9	G5	C7	413	C -33 426
60	8.8	8.1W	7 48.376	0.0022	18	-36 48 38.56	-0.017	18	0.31	48.345	15	35.9	38.32	21	35.9	G5	C8	341	C -37 434
61	9.5	9.5W	7 55.259	-0.0026	21	-34 46 9.25	-0.025	21	0.44	55.305	22	31.9	9.69	21	31.9	A3	C7	414	C -35 407
62	9.7	9.1W	7 57.887	0.0009	13	-35 18 35.08	0.010	13	0.26	57.874	15	35.9	35.22	21	35.9	G0	C8	342	C -35 408
63	11.2	10.1W	7 58.552	-0.0046	21	-33 41 32.91	-0.012	21	0.44	58.634	22	31.9	32.69	21	31.9	K	C7	415	C -34 452
64	10.2	10.2W	8 0.446	-0.0110	21	-33 49 0.46	-0.015	21	0.44	0.644	22	31.9	0.19	21	31.9	F5 L	C7	416	C -34 453
65	10.6	9.6W	8 24.390	-0.0002	21	-33 13 17.90	-0.012	21	0.44	24.394	22	31.9	17.68	21	31.9	K0 L	C7	417	C -33 431
66	11.3	11.1W	8 37.197	-0.0064	21	-31 11 51.34	-0.033	21	0.44	37.312	22	31.9	50.75	21	31.9		C7	418	C -31 474
67	10.3	9.3W	8 46.047	0.0043	09	-36 54 13.13	-0.036	09	0.22	45.986	15	35.9	12.62	21	35.9	K2 L	C8	343	C -37 441
68		8.0T	8 48.320	0.0021	13	-32 30 48.21	0.019	09	0.62	48.212	17	99.0	49.30	17	94.3	G0	GC	1438	C -32 469
69	10.6	10.4W	8 53.032	-0.0093	21	-31 10 54.48	-0.030	21	0.44	53.201	22	31.9	53.95	21	31.9	G0 L	C7	420	C -31 475
70	10.1	9.1W	9 12.231	0.0011	21	-30 49 57.45	-0.039	21	0.44	12.211	22	31.9	56.75	21	31.9	K2	C7	421	C -31 480
71	10.2	9.3W	9 23.005	-0.0003	21	-30 11 59.81	-0.010	21	0.44	23.010	22	31.9	59.62	21	31.9	K0	C7	422	C -30 376
72	8.8	8.7W	9 30.120	0.0004	06	-35 3 41.11	-0.091	06	0.20	30.114	15	35.9	39.82	21	35.9	G0	C8	344	C -35 416
73	10.1	9.4W	9 31.134	-0.0022	13	-35 42 2.87	0.025	13	0.26	31.164	15	35.9	3.22	21	35.9	K0 L	C8	345	C -36 456
74	9.1	8.2W	9 42.606	0.0085	06	-39 25 35.56	-0.045	06	0.20	42.486	15	35.9	34.92	21	35.9	G5	C8	346	C -39 316
75	10.3	9.9W	9 44.428	-0.0027	23	-36 43 12.74	-0.065	23	0.37	44.465	15	35.9	11.82	21	35.9	G8 L	C8	347	C -37 447
76	10.0	8.7W	9 46.846	0.0015	09	-38 12 28.09	-0.005	09	0.22	46.825	15	35.9	28.02	21	35.9	MA	C8	348	C -38 418
77		6.5T	10 1.682	0.0046	06	-31 3 59.13	-0.072	06	0.29	1.472	10	04.3	55.66	10	02.3	F5	GC	1456	C#-31 484
78	9.4	9.0W	10 2.442	0.0033	18	-38 30 45.85	-0.023	18	0.31	2.396	15	35.9	45.52	21	35.9	F8 L	C8	349	C -38 419
79	9.7	9.6W	10 13.009	0.0014	21	-32 38 33.66	-0.082	21	0.44	12.984	22	31.9	32.18	21	31.9	F8	C7	424	C -33 441
80		5.9H	10 27.325	0.0072	03	-36 7 15.79	-0.029	03	0.11	27.098	05	18.4	14.82	05	16.8	A5	F4	44	C -38 420
81		7.0T	10 27.489	0.0012	06	-35 28 12.98	-0.006	05	0.28	27.431	12	03.5	12.69	12	00.6	K0	GC	1466	C#-35 420
82	11.0	10.4W	10 34.331	0.0039	21	-30 2 24.15	0.032	21	0.44	34.260	22	31.9	24.72	21	31.9		C7	425	C -30 377
83		7.5T	10 36.172	-0.0018	13	-36 0 37.57	0.010	12	0.66	36.259	17	00.8	38.08	18	99.7	A0	GC	1468	C#-36 460
84	10.5	10.4W	10 37.591	0.0006	21	-31 8 11.93	0.034	21	0.44	37.581	22	31.9	12.55	21	31.9	F8 L	C7	427	C -31 488
85	10.2	9.6W	10 39.183	-0.0004	21	-30 42 56.74	0.011	21	0.44	39.191	22	31.9	56.95	21	31.9	G5	C7	428	C -31 489
86	10.3	10.3W	10 52.723	-0.0084	21	-34 2 10.87	-0.004	21	0.44	52.674	22	31.9	10.79	21	31.9	A5 L	C7	429	C -34 465
87	9.9	9.8W	11 1.476	-0.0043	21	-33 0 19.55	-0.009	21	0.44	1.554	22	31.9	19.38	21	31.9	G0	C7	431	C -33 447
88	9.4	8.2W	11 1.537	0.0014	21	-32 10 20.62	-0.031	21	0.44	1.512	22	31.9	20.06	21	31.9	K0	C7	430	C -32 479
89	10.0	9.2W	11 3.732	-0.0051	21	-33 5 7.40	-0.045	21	0.44	3.824	22	31.9	6.58	21	31.9	G5	C7	432	C -33 448
90	10.2	9.9W	11 6.714	-0.0054	21	-31 50 19.81	-0.047	21	0.44	6.812	22	31.9	18.96	21	31.9	G0 L	C7	433	C -32 489
91		7.4T	11 9.360	0.0136	10	-39 48 19.70	0.024	08	0.43	8.759	14	05.7	20.81	14	04.0	F0	GC	1478	C -40 278
92	9.7	9.5W	11 21.108	0.0024	21	-33 59 42.40	-0.017	21	0.44	21.064	22	31.9	42.09	21	31.9	F2	C7	434	C -34 467
93	9.7	9.4W	11 22.920	0.0004	21	-30 34 27.70	-0.064	21	0.44	22.911	22	31.9	26.55	21	31.9	G0	C7	435	C -30 386
94	8.7	7.7W	11 23.256	0.0030	21	-31 22 51.80	-0.042	21	0.44	23.201	22	31.9	51.05	21	31.9	G5	C7	436	C -31 497
95	10.6	9.4W	11 24.295	-0.0033	21	-33 37 48.10	-0.039	21	0.44	24.354	22	31.9	47.39	21	31.9	K2 L	C7	437	C -34 468
96	9.4	8.3W	11 34.868	0.0002	13	-36 26 58.88	-0.025	13	0.26	34.865	15	35.9	58.52	21	35.9	G5	C8	356	C -36 470
97	10.5	10.1W	11 40.492	0.0069	13	-36 7 50.50	-0.105	13	0.26	40.395	15	35.9	49.02	21	35.9	G5 L	C8	357	C -36 472
98	9.6	9.4W	11 43.975	-0.0043	21	-30 37 47.79	0.003	21	0.44	44.051	22	31.9	47.85	21	31.9	G0	C7	438	C -31 501
99	10.1	10.0W	11 53.204	-0.0078	21	-34 5 26.25	0.008	21	0.44	53.344	22	31.9	26.39	21	31.9	G0 L	C7	439	C -34 470
00	10.5	10.1W	11 57.733	0.0033	13	-36 51 24.25	-0.002	13	0.26	57.686	15	35.9	24.22	21	35.9	G5 L	C8	358	C -37 466

193000 — EPOCH 1950 — ORIGINAL EPOCH — -30° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8	9.4W	1 12 3.135	-0.0001	13	-39 2 53.52	-0.007	13	0.26	3.136	15	35.9	53.42	21	35.9	G0		C8	359	C -39 333
2		8.1T	12 5.322	0.0081	16	-37 16 19.43	-0.051	12	0.71	4.951	17	04.1	22.03	19	99.2	F8		GC	1495	C -37 467
3	9.1	8.9W	12 9.719	0.0054	21	-31 36 24.92	-0.014	21	0.44	9.622	22	31.9	24.66	21	31.9	F8		C7	441	C -32 484
4	10.9		12 20.767	0.0002	23	-35 16 5.62	-0.014	23	0.37	20.764	15	35.9	5.42	21	35.9	G0	L	C8	361	C -35 432
5	10.1	9.2W	12 34.946	0.0007	13	-39 6 20.98	0.010	13	0.26	34.936	15	35.9	21.12	21	35.9	G5		C8	362	C -39 335
6	10.4		12 54.463	-0.0065	13	-35 58 3.13	-0.043	13	0.26	54.554	15	35.9	2.52	21	35.9	F5	L	C8	364	C -36 482
7	10.2	8.8W	13 0.448	-0.0005	23	-37 35 15.09	-0.045	23	0.37	0.455	15	35.9	15.72	21	35.9	K5		C8	365	C -37 475
8	10.1	9.9W	13 12.710	-0.0034	21	-31 52 43.76	-0.033	21	0.44	12.772	22	31.9	43.16	21	31.9	F8		C7	443	C -32 489
9	9.7	9.5W	13 14.527	-0.0054	21	-34 17 42.18	-0.027	21	0.44	14.624	22	31.9	41.69	21	31.9	G5		C7	444	C -34 478
10	10.1	9.7W	13 16.877	0.0016	18	-38 29 0.31	0.001	18	0.31	16.855	15	35.9	0.32	21	35.9	G0		C8	366	C -38 439
11	10.1	9.8W	13 22.510	-0.0013	21	-32 54 29.43	0.003	21	0.44	22.534	22	31.9	29.48	21	31.9	F8		C7	445	C -33 462
12	10.0	9.5W	13 25.656	-0.0030	21	-30 45 19.95	0.005	21	0.44	25.711	22	31.9	20.05	21	31.9	K0		C7	446	C -31 515
13	10.6	10.4W	13 31.708	0.0087	21	-30 58 23.28	-0.046	21	0.44	31.551	22	31.9	22.45	21	31.9	G5	L	C7	447	C -31 517
14		7.9T	13 47.545	-0.0001	09	-34 24 45.78	-0.022	08	0.49	47.548	17	97.2	44.61	17	96.3	A3		GC	1528	C*-34 483
15	9.5	8.8W	13 49.801	-0.0028	21	-31 39 22.19	-0.029	21	0.44	49.852	22	31.9	21.66	21	31.9	G5		C7	449	C -32 492
16	9.2	9.0W	14 0.915	-0.0006	21	-32 58 48.45	-0.037	21	0.44	0.904	22	31.9	47.78	21	31.9	F8		C7	450	C -33 467
17	10.0	9.3W	14 1.612	-0.0023	21	-33 18 21.24	-0.014	21	0.44	1.654	22	31.9	20.98	21	31.9	G5		C7	451	C -33 466
18	10.9	9.4W	14 20.334	0.0024	21	-30 13 18.89	0.019	21	0.44	20.290	22	31.9	19.22	21	31.9	K2	L	C7	452	C -30 412
19	11.1	9.9W	14 23.156	-0.0025	21	-31 33 3.63	0.002	21	0.44	23.202	22	31.9	3.66	21	31.9			C7	453	C -31 523
20	9.2	7.8W	14 23.263	0.0006	23	-38 22 59.78	-0.004	23	0.37	23.255	15	35.9	59.72	21	35.9	K0		C8	368	C -38 445
21	9.6	8.7W	14 26.497	0.0025	21	-31 40 17.07	-0.028	21	0.44	26.452	22	31.9	16.56	21	31.9	K0		C7	454	C -32 499
22	8.6	8.0W	14 34.780	-0.0005	05	-39 47 54.86	0.033	05	0.20	34.787	15	35.9	55.32	21	35.9	G0		C8	369	C -40 291
23	9.0	8.8W	14 42.381	0.0038	21	-31 10 51.40	-0.014	21	0.44	42.311	22	31.9	51.15	21	31.9	F5		C7	455	C -31 526
24	9.8	9.2W	14 48.024	0.0030	21	-30 14 48.64	0.027	21	0.44	47.970	22	31.9	49.12	21	31.9	G0		C7	456	C -30 415
25	10.6	9.7W	14 52.652	-0.0024	23	-36 36 27.91	0.001	23	0.37	52.686	15	35.9	27.92	21	35.9	K1	L	C8	370	C -37 483
26	9.6	9.4W	14 59.379	-0.0011	13	-37 32 25.65	0.055	13	0.26	59.395	15	35.9	26.42	21	35.9	F8		C8	371	C -37 485
27	8.5	8.1W	14 59.384	-0.0059	13	-34 55 36.13	-0.022	13	0.26	59.467	15	35.9	35.81	21	35.9	F8		C8	372	C -35 441
28	9.9	9.2W	15 0.555	-0.0028	13	-37 36 40.65	-0.016	13	0.26	0.595	15	35.9	40.42	21	35.9	G		C8	373	C -38 449
29	10.2	9.6W	15 2.102	-0.0045	13	-35 38 34.26	-0.038	13	0.26	2.165	15	35.9	33.72	21	35.9	G5		C8	374	C -36 492
30		7.9T	15 4.810	-0.0020	13	-37 31 59.45	-0.001	10	0.58	4.904	15	03.2	59.42	15	01.3	K0		GC	1560	C*-37 488
31	9.6	9.5W	15 16.308	0.0052	21	-33 28 2.33	0.003	21	0.44	16.214	22	31.9	2.38	21	31.9	F8		C7	457	C -33 475
32	11.4	10.7W	15 25.966	-0.0008	21	-30 18 48.71	-0.032	21	0.44	25.980	22	31.9	48.12	21	31.9			C7	458	C -30 418
33	10.3	10.3W	15 28.150	0.0010	21	-32 17 40.82	-0.014	21	0.44	28.082	22	31.9	40.56	21	31.9	F0	L	C7	459	C -32 503
34	9.9	9.6W	15 32.143	-0.0038	21	-32 16 11.73	-0.081	21	0.44	32.212	22	31.9	10.26	21	31.9	G0		C7	460	C -32 504
35	8.9	8.6W	15 35.084	0.0041	18	-36 47 36.75	0.055	18	0.31	35.025	15	35.9	37.52	21	35.9	F5		C8	376	C -37 493
36	10.9	10.5W	15 36.633	0.0006	23	-38 3 5.38	0.003	23	0.37	36.625	15	35.9	5.42	21	35.9	G0	L	C8	378	C -38 455
37		7.6T	15 44.359	0.0004	14	-34 24 0.78	0.002	14	0.72	44.338	18	01.9	0.89	18	00.6	A3		GC	1574	C -34 494
38	10.3	9.8W	15 48.034	-0.0007	13	-35 27 9.61	-0.013	13	0.26	48.044	15	35.9	9.42	21	35.9	G5	L	C8	379	C -35 443
39	10.1	9.6W	15 49.354	0.0094	21	-32 55 25.26	-0.021	21	0.44	49.184	22	31.9	24.88	21	31.9	G0		C7	462	C -33 478
40		7.7T	15 55.713	-0.0015	12	-33 24 1.53	0.017	11	0.62	55.787	18	00.1	2.43	17	98.2	G5		GC	1577	C -33 479
41	9.9	9.0W	16 12.354	0.0013	21	-30 26 46.68	-0.015	21	0.44	12.330	22	31.9	46.42	21	31.9	K0		C7	464	C -30 422
42	8.9	8.7W	16 15.402	0.0011	13	-36 31 18.17	-0.032	13	0.26	15.386	15	35.9	18.62	21	35.9	F0		C8	381	C -36 501
43	10.6	10.4W	16 16.670	-0.0017	08	-35 3 38.22	-0.014	08	0.22	16.694	15	35.9	38.02	21	35.9			C8	382	C -35 447
44	9.4	9.1W	16 17.761	0.0012	08	-35 4 54.69	-0.012	08	0.22	17.744	15	35.9	54.52	21	35.9	F0		C8	383	C -35 448
45	10.3	9.1W	16 19.518	-0.0014	21	-33 27 6.37	-0.016	21	0.44	19.544	22	31.9	6.08	21	31.9	K5		C7	465	C -33 484
46	10.6	10.1W	16 25.302	0.0066	21	-30 35 56.39	0.014	21	0.44	25.181	22	31.9	56.65	21	31.9	K0	L	C7	466	C -31 533
47	10.5	9.7W	16 31.550	-0.0023	21	-31 49 54.61	-0.041	21	0.44	31.592	22	31.9	53.86	21	31.9	K0		C7	467	C -32 509
48	9.8	9.4W	16 35.200	0.0088	21	-30 13 21.09	0.085	21	0.44	35.040	22	31.9	22.62	21	31.9	G0		C7	468	C -30 426
49	10.3	9.9W	16 35.237	0.0050	13	-36 34 24.32	-0.085	13	0.26	35.165	15	35.9	23.12	21	35.9	G8	L	C8	384	C -36 504
50	8.0	7.9W	17 0.119	0.0035	21	-34 45 12.24	0.031	21	0.44	0.055	22	31.9	12.80	21	31.9	F0		C7	469	C -35 452
51	9.8	9.2W	1 17 15.540	0.0060	13	-39 13 24.11	-0.027	13	0.26	15.456	15	35.9	23.72	21	35.9	G0		C8	386	C -39 370
52	8.1	7.6W	17 18.063	-0.0024	09	-39 37 32.23	0.042	09	0.22	18.097	15	35.9	32.82	21	35.9	F8		C8	387	C -40 309
53	9.7	8.6W	17 21.204	0.0013	13	-39 27 6.78	-0.025	13	0.26	21.186	15	35.9	6.42	21	35.9	G5		C8	388	C -39 372
54	9.8	9.1W	17 24.003	-0.0040	21	-33 58 59.94	-0.019	21	0.44	24.074	22	31.9	59.59	21	31.9	K0		C7	470	C -34 505
55	9.3	9.2W	17 36.670	-0.0001	21	-31 38 52.27	-0.094	21	0.44	36.724	22	31.9	50.56	21	31.9	G0		C7	471	C -32 517
56	10.9	9.9W	17 38.798	-0.0013	21	-31 43 12.81	-0.019	21	0.44	38.822	22	31.9	12.46	21	31.9			C7	472	C -32 518
57	10.3	9.6W	17 43.343	-0.0006	21	-33 8 3.19	-0.050	21	0.44	43.354	22	31.9	2.28	21	31.9	K0	L	C7	473	C -33 493
58	11.0	10.5W	17 50.805	-0.0014	21	-30 36 56.12	0.029	21	0.44	50.831	22	31.9	56.65	21	31.9			C7	474	C -31 539
59		7.4T	17 58.665	-0.0017	12	-36 30 17.64	-0.027	10	0.60	58.752	15	99.1	16.21	15	96.7	A0		GC	1617	C*-36 510
60	10.8	9.5W	18 0.683	-0.0033	21	-30 37 21.13	-0.010	21	0.44	0.741	22	31.9	20.95	21	31.9			C7	475	C -31 541
61	10.0	8.6W	18 1.294	-0.0027	13	-39 22 20.67	0.011	13	0.26	1.256	15	35.9	20.82	21	35.9	K0		C8	392	C -39 378
62	10.5	9.8W	18 2.101	-0.0024	21	-34 25 36.12	0.004	21	0.44	2.144	22	31.9	36.19	21	31.9	K0	L	C7	476	C -34 510
63	9.4	9.2W	18 12.843	-0.0004	21	-30 4 11.86	0.015	21	0.44	12.850	22	31.9	12.12	21	31.9	F5		C7	478	C -30 435
64	10.4	9.3W	18 15.560	-0.0008	21	-33 39 55.75	-0.003	21	0.44	15.574	22	31.9	55.69	21	31.9	K5		C7	479	C -34 514
65	8.8	8.2W	18 44.455	-0.0008	07	-38 47 18.93	0.014	07	0.21	44.466	15	35.9	19.12	21	35.9	G0		C8	393	C -39 379
66	9.7	9.0W	18 48.603	0.0020	13	-35 52 10.18	-0.025	13	0.26	48.574	15	35.9	9.82	21	35.9	G5		C8	394	C -36 515
67	10.6	10.5W	18 59.193	-0.0006	21	-31 36 8.51	0.003	21	0.44	59.202	22	31.9	8.56	21	31.9			C7	480	C -31 549
68	10.1	9.4W	19 2.540	0.0011	18	-37 2 11.07	-0.032	18	0.31	2.525	15	35.9	10.62	21	35.9	G5		C8	396	C -37 511
69	10.7	9.7W	19 9.459	0.0017	13	-35 56 43.94	-0.008	13	0.26	9.434	15	35.9	43.82	21	35.9	G5	L	C8	397	C -36 518
70		7.2T	19 20.357	0.0056	17	-33 29 38.40	0.028	13	0.76	20.090	18	02.6	39.82	18	00.1	G5		GC	1645	C -33 498
71	10.3	10.0W	19 37.926	-0.0030	21	-30 55 41.10	-0.042	21	0.44	37.982	22	31.9	40.35	21	31.9	G0		C7	482	C -31 553
72		6.8T	19 52.995	0.0017	09	-37 18 45.90	-0.008	08	0.52	52.904	18	95.5	45.45	17	91.6	F0		GC	1653	C*-37 516
73	10.5	10.1W	19 55.776	-0.0038	21	-33 50 51.43	0.059	21	0.44	55.844	22	31.9	52.49	21	31.9	G0	L	C7	483	C -34 523
74	9.7	8.3W	20 0.136	-0.0003	21	-31 40 59.93	-0.026	21	0.44	0.142	22	31.9	59.46	21	31.9	K5		C7	484	C -32 536
75	9.8	9.5W	20 7.316	0.0018	21	-32 33 36.12	0.059	21	0.44	7.284	22	31.9	37.18	21	31.9	G0		C7	485	C -32 538
76		7.5T	20 10.420	0.0031	16	-34 55 32.42	0.017	12	0.74	10.269	19	01.4	33.32	19	97.3	G5		GC	1663	C -35 472
77	10.4	10.1W	20 18.126	0.0029	18	-38 14 10.23	0.099	18	0.31	18.085	15	35.9	11.62	21	35.9	F5	L	C8	401	C -38 481
78		8.0T	20 20.324	-0.0036	11	-35 15 7.34	-0.096	09	0.44	20.473	15	09.1	3.21	15	06.9	G5		GC	1670	C -35 474
79		6.8T	20 26.389	-0.0043	10	-36 51 25.19	-0.008	08	0.55	26.160	19	96.5	24.73	18	90.4	G5		GC	1671	C -37 521
80	8.9	8.7W	20 27.010	-0.0050	21	-30 53 19.29	-0.052	21	0.44	27.102	22	31.9	18.35	21	31.9	F5		C7	486	C*-31 558
81	10.6	9.8W	20 41.654	0.0013	21	-30 16 52.48	-0.003	21	0.44	41.630	22	31.9	52.42	21	31.9	K	L	C7	487	C -30 452
82	10.7	9.9W	20 42.969	-0.0029	21	-31 45 42.87	-0.050	21	0.44	43.022	22	31.9	41.96	21	31.9	G5	L	C7	488	C -32 540
83		7.5T	20 46.836	-0.0003	13	-37 57 47.11	-0.008	11	0.65	46.851	21	02.6	46.71	18	98.0	K5		GC	1679	C -38 484
84	10.8	10.1W	20 46.916	-0.0027	21	-33 42 13.52	-0.062	21	0.44	46.964	22	31.9	12.39	21	31.9			C7	489	C -34 531
85	10.3	9.2W	20 55.152	-0.0029	21	-33 47 46.53	-0.057	21	0.44	55.204	22	31.9	45.49	21	31.9			C7	490	C -34 533
86	8.7	8.0W	20 58.065	0.0013	21	-31 31 9.84	-0.043	21	0.44	58.042	22	31.9	9.06	21	31.9	G5		C7	491	C -31 560
87		6.9T	20 58.839	0.0026	15	-33 48 30.27	0.021	13	0.73	58.710	17	01.1	31.36	19	98.8	K0		GC	1683	C -34 534
88	10.0	9.2W	20 59.189	-0.0003	21	-33 44 36.20	-0.006	21	0.44	59.194	22	31.9	36.09	21	31.9			C7	493	C -34 535
89	10.6		21 9.328	-0.0033	13	-36 48 58.52	-0.035	13	0.26	9.376	15	35.9	58.02	21	35.9	F8	L	C8	405	C -37 526
90		5.8H	21 11.435	-0.0007	03	-31 12 20.44	-0.041	03	0.12	11.462	05	13.6	19.00	05	15.1	K5		F4	1036	C -31 562
91	10.0		21 15.805	0.0007	23	-35 34 49.26	0.019	23	0.37	15.794	15	35.9	49.52	21	35.9	A0		C8	407	C -35 482
92	10.3		21 32.429	0.0038	18	-36 59 18.44	-0.013	18	0.31	32.376	15	35.9	18.62	21	35.9	F5		C8	408	C -37 529
93	9.7	8.6W	21 39.218	0.0052	13	-35 59 0.13	-0.029	13	0.26	39.144	15	35.9	59.72	21	35.9	K0		C8	409	C -36 538
94	10.5	8.8W	21 45.676	0.0008	18	-37 51 36.61	0.001	18	0.31	45.665	15	35.9	36.62	21	35.9	K5	L	C8	410	C -38 488
95	10.2	10.2W	21 49.060	-0.0012	21	-30 43 59.97	0.026	21	0.44	49.081	22	31.9	0.45	21	31.9	G0		C7	495	C -31 564
96		6.9T	21 52.789	0.0155	11	-32 4 16.81	-0.071	08	0.56	51.966	17	96.9	12.73	17	92.9	G0		GC	1698	C -32 548
97	9.0	8.8W	22 5.786	-0.0014	13	-39 10 37.98	0.003	13	0.26	5.806	15	35.9	38.02	21	35.9	F5		C8	411	C -39 398
98	10.6	9.8W	22 16.558	0.0069	21	-31 42 35.69	-0.007	21	0.44	16.542	22	31.9	35.56	21	31.9	K	L	C7	497	C -32 550
99	9.5	8.5W	22 18.793	0.0017	21	-31 48 38.47	-0.039	21	0.44	18.762	22	31.9	37.76	21	31.9	G5		C7	498	C -32 552
00	9.9	9.6W	22 21.392	0.0010	21	-32 49 17.85	0.013	21	0.44	21.374	22	31.9	18.08	21	31.9	G0		C7	499	C -33 510

193100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 1H DM NUMBER
1		6.7T	1 22 22.516	0.0086	14	-34 24 2.04	-0.054	12	0.68	22.096	17	01.4	4.87	17	98.0	G5		GC	1718	C*-34 546
2	10.6	9.8W	22 36.140	-0.0030	21	-33 51 30.01	-0.034	21	0.44	36.194	22	31.9	29.39	21	31.9	G5	L	C7	501	C -34 547
3	10.9	9.6W	22 42.697	0.0201	21	-33 6 47.80	-0.143	21	0.44	42.334	22	31.9	50.38	21	31.9			C7	502	C -33 517
4	9.3	9.2W	22 43.658	0.0020	21	-35 55 37.30	0.008	21	0.44	43.621	22	31.9	37.45	21	31.9	F2		C7	503	C -31 572
5	10.1	9.8W	22 45.043	-0.0034	21	-34 27 50.62	-0.101	21	0.44	45.104	22	31.9	48.79	21	31.9	G0	L	C7	504	C -34 544
6	10.4E	9.7M	22 50.269	-0.0007	12	-39 55 30.71	-0.060	12	0.68	50.327	31	98.4	27.62	28	98.4	K0		CZ	658	F -40 133
7	8.4	7.5W	22 53.094	0.0069	08	-39 38 14.52	-0.071	08	0.22	52.997	15	35.9	13.52	21	35.9	G5		C8	413	C -40 336
8	10.7	10.5W	23 13.438	-0.0051	21	-31 1 36.23	-0.010	21	0.44	13.531	22	31.9	36.05	21	31.9			C7	505	C -31 576
9	8.8	9.0W	23 22.945	0.0018	18	-38 26 31.66	-0.017	18	0.31	22.915	15	35.9	31.42	21	35.9	A0		C8	414	C -38 491
10	10.6	9.3W	23 39.414	-0.0029	13	-36 0 37.96	-0.024	13	0.26	39.454	15	35.9	37.62	21	35.9	K5	L	C8	415	C -36 549
11	10.7		23 44.790	0.0016	23	-34 59 18.16	-0.046	23	0.37	44.767	15	35.9	17.51	21	35.9	F8	L	C8	416	C -35 497
12	9.0	8.8W	23 58.408	0.0051	13	-38 43 45.08	0.024	13	0.26	58.336	15	35.9	45.42	21	35.9	F5		C8	417	C -39 408
13	10.2	9.9W	23 58.589	0.0066	09	-36 45 59.89	-0.026	09	0.22	58.496	15	35.9	59.52	21	35.9	G0	L	C8	418	C -37 540
14	10.3	9.3W	24 6.150	-0.0058	21	-34 15 14.53	0.009	21	0.44	6.254	22	31.9	14.49	21	31.9	K5		C7	506	C -34 556
15	10.2	9.6W	24 6.449	0.0019	21	-33 51 0.93	-0.013	21	0.44	6.414	22	31.9	0.69	21	31.9	G2	L	C7	507	C -34 555
16		7.5T	24 9.559	0.0027	13	-30 32 4.86	0.030	12	0.65	9.426	15	00.6	6.35	17	99.8	K0		GC	1742	C*-30 472
17	9.7	9.4W	24 10.617	-0.0004	21	-32 48 38.78	-0.033	21	0.44	10.624	22	31.9	38.18	21	31.9	F8		C7	509	C -33 523
18	10.5	10.1W	24 12.881	0.0006	21	-30 12 3.49	0.095	21	0.44	12.870	22	31.9	5.22	21	31.9	G0		C7	510	C -30 473
19	9.7	9.0W	24 28.015	0.0039	21	-34 25 13.30	-0.017	21	0.44	27.944	22	31.9	12.99	21	31.9	K0		C7	511	C -34 560
20	8.9	8.9W	24 32.920	0.0024	18	-36 38 30.21	0.008	18	0.31	32.885	15	35.9	30.32	21	35.9	A2		C8	420	C -37 544
21	9.3	9.0W	24 39.648	-0.0007	21	-31 13 40.20	-0.086	21	0.44	39.661	22	31.9	38.65	21	31.9	G0		C7	513	C -31 589
22		6.2I	24 40.020	-0.0011	11	-32 48 6.81	-0.026	10	0.43	40.062	12	11.5	5.78	12	09.7	M8		GC	1753V	C*-33 525
23		6.8T	24 45.602	-0.0014	12	-30 29 40.39	-0.031	12	0.63	45.673	17	00.2	38.80	17	98.7	K0		GC	1754K	C -30 478
24	10.0	9.7W	24 49.915	0.0024	21	-31 40 1.57	0.005	21	0.44	49.872	22	31.9	1.66	21	31.9	G0	L	C7	517	C -32 567
25	9.7	9.6W	24 55.297	-0.0027	21	-34 35 41.98	0.068	21	0.44	55.345	22	31.9	43.20	21	31.9	F2		C7	519	C -34 564
26	9.5	8.2W	25 27.558	-0.0041	13	-39 24 2.80	0.009	13	0.26	27.616	15	35.9	2.92	21	35.9	K0		C8	422	C -39 414
27	11.0		25 30.330	0.0024	18	-36 53 58.38	0.003	18	0.31	30.296	15	35.9	58.42	21	35.9	A8	L	C8	423	C -37 553
28		8.6T	25 34.448	0.0005	13	-37 55 36.76	0.029	12	0.65	34.425	21	02.6	38.24	19	99.4	A5		GC	1774	C -38 499
29		7.9T	25 2.994	0.0063	13	-31 45 15.48	0.027	11	0.64	2.677	18	99.7	16.92	17	95.5	A5		GC	1765	C*-32 575
30	10.0	9.0W	26 4.801	0.0004	13	-36 20 7.34	-0.015	13	0.26	4.794	15	35.9	7.12	21	35.9	K0		C8	425	C -36 564
31	9.1	9.4W	26 9.254	0.0028	21	-33 16 25.71	-0.029	21	0.44	9.204	22	31.9	25.18	21	31.9	A0		C7	521	C -33 533
32	10.4		26 12.471	-0.0017	18	-37 32 59.28	-0.025	18	0.31	12.495	15	35.9	58.92	21	35.9	G0	L	C8	426	C -37 559
33	9.0	7.8W	26 19.722	0.0019	18	-38 13 4.74	-0.044	18	0.31	19.695	15	35.9	4.12	21	35.9	K0		C8	427	C -38 505
34		8.0T	26 24.616	0.0060	12	-30 9 3.76	-0.003	10	0.63	24.294	17	96.1	3.59	17	92.5	K2		GC	1793	C -30 490
35	9.9	9.5W	26 25.777	-0.0002	21	-30 39 59.68	-0.013	21	0.44	25.782	22	31.9	59.45	21	31.9	G5		C7	523	C -31 601
36		6.6T	26 26.505	-0.0047	15	-34 1 18.02	-0.020	12	0.71	26.734	17	00.9	16.98	18	97.0	A3		GC	1796	C -34 576
37		7.5T	26 34.641	0.0011	14	-37 5 28.96	0.006	13	0.72	34.589	22	01.2	29.28	21	98.3	M0		GC	1798	C*-37 564
38	9.2	8.9W	26 36.699	0.0120	21	-32 17 50.75	-0.006	21	0.44	36.482	22	31.9	50.66	21	31.9	F5		C7	525	C -32 577
39	10.0	9.1W	26 44.672	0.0048	21	-33 36 28.25	-0.031	21	0.44	44.584	22	31.9	27.69	21	31.9	G5		C7	526	C -33 538
40	10.4		26 50.452	-0.0073	13	-36 8 55.40	-0.034	13	0.26	50.555	15	35.9	54.92	21	35.9	F8	L	C8	430	C -36 567
41	9.4	9.1W	27 6.499	0.0031	13	-35 39 25.39	-0.005	13	0.26	6.454	15	35.9	25.32	21	35.9	F8		C8	431	C -36 568
42	8.9	8.9W	27 8.974	0.0022	21	-33 34 43.52	-0.040	21	0.44	8.934	22	31.9	42.79	21	31.9	F0		C7	527	C -33 541
43	9.8	8.9W	27 13.095	0.0013	21	-32 16 54.40	0.042	21	0.44	13.072	22	31.9	55.16	21	31.9	K2		C7	528	C -32 582
44	8.5	8.3W	27 21.853	0.0062	21	-30 18 14.18	-0.015	21	0.44	21.740	22	31.9	13.92	21	31.9	F5		C7	529	C -30 497
45	10.9	10.2W	27 28.787	0.0017	21	-34 41 20.21	-0.017	21	0.44	28.755	22	31.9	19.90	21	31.9			C7	530	C -35 515
46	10.0	9.1W	27 40.250	-0.0002	21	-33 18 29.75	-0.026	21	0.44	40.254	22	31.9	29.28	21	31.9	K2		C7	531	C -33 545
47	10.1	9.5W	27 42.761	-0.0024	13	-36 5 37.82	-0.042	13	0.26	42.794	15	35.9	37.22	21	35.9	G5		C8	433	C -36 573
48	8.9	8.7W	27 47.288	-0.0012	07	-36 40 57.20	0.016	07	0.21	47.305	15	35.9	57.42	21	35.9	F0		C8	434	C -37 572
49	10.4		27 48.457	0.0079	13	-39 7 58.00	-0.041	13	0.26	48.346	15	35.9	57.42	21	35.9	G5		C8	435	C -39 430
50	10.6	10.1W	27 55.585	0.0055	18	-34 58 21.63	-0.001	18	0.31	55.507	15	35.9	21.61	21	35.9	K2	L	C8	436	C -35 519
51	10.2	9.3W	1 28 11.122	0.0011	13	-36 33 1.14	-0.006	13	0.26	11.105	15	35.9	1.22	21	35.9	K0		C8	438	C -36 579
52	10.4	10.0W	28 20.926	-0.0008	21	-30 19 52.56	-0.019	21	0.44	20.940	22	31.9	52.22	21	31.9	G0		C7	532	C -30 502
53		8.2T	28 30.434	0.0007	14	-38 2 51.07	0.024	12	0.68	30.402	21	02.8	52.29	19	99.7	F0		GC	1835	C -38 518
54	9.8	8.9W	28 32.180	-0.0073	21	-31 42 59.91	-0.135	21	0.44	32.312	22	31.9	57.46	21	31.9	K5		C7	533	C -32 589
55	9.7	9.6W	28 35.018	-0.0012	13	-35 56 17.54	0.006	13	0.26	35.035	15	35.9	17.62	21	35.9	F5		C8	440	C -36 580
56	9.7	8.5W	28 50.820	0.0010	21	-31 33 31.39	0.015	21	0.44	50.802	22	31.9	31.66	21	31.9	K5		C7	534	C -31 614
57	10.2		28 52.556	-0.0070	13	-35 31 48.83	0.021	13	0.26	52.654	15	35.9	49.12	21	35.9	F2	L	C8	441	C -35 525
58	10.1		28 53.199	0.0031	09	-39 2 40.75	-0.016	09	0.22	53.156	15	35.9	40.52	21	35.9	F8		C8	442	C -39 437
59	9.4	7.9W	29 3.532	-0.0003	18	-38 41 11.84	-0.001	18	0.31	3.536	15	35.9	11.82	21	35.9	K5		C8	443	C -39 439
60	10.5	10.3W	29 6.275	0.0057	21	-32 8 54.05	0.034	21	0.44	6.272	22	31.9	54.66	21	31.9	F8		C7	535	C -32 594
61		6.7T	29 10.685	0.0058	11	-30 14 32.39	0.041	09	0.58	10.371	17	95.6	34.75	17	92.5	K0		GC	1848	C -30 504
62	10.1	9.4W	29 19.032	-0.0040	21	-34 24 24.86	0.035	21	0.44	19.104	22	31.9	25.49	21	31.9	G5	L	C7	537	C -34 594
63		5.8T	29 24.630	0.0005	07	-30 32 21.39	-0.063	06	0.31	24.609	12	06.6	18.34	10	01.8	K0		GC	1855	C -30 506
64	9.9	9.8W	29 34.269	-0.0001	21	-30 25 3.83	0.022	21	0.44	34.270	22	31.9	4.22	21	31.9	G0		C7	539	C -30 507
65	9.6	9.2W	29 41.169	-0.0042	21	-33 40 27.05	-0.097	21	0.44	41.244	22	31.9	25.29	21	31.9	G0		C7	540	C -34 597
66	9.1	8.9W	29 42.311	0.0014	21	-34 45 21.90	0.017	21	0.44	42.285	22	31.9	22.20	21	31.9	F5		C7	541	C -35 532
67	10.2	9.9W	29 48.124	-0.0001	21	-34 44 40.51	-0.028	21	0.44	48.125	22	31.9	40.00	21	31.9	F	L	C7	542	C -35 534
68	10.8	9.9W	29 53.511	-0.0006	21	-31 8 53.47	-0.029	21	0.44	53.521	22	31.9	52.95	21	31.9			C7	543	C -31 619
69	9.8	8.7W	29 59.576	-0.0000	13	-39 21 16.82	-0.007	13	0.26	59.576	15	35.9	16.72	21	35.9	K0		C8	445	C -39 446
70		10.6W	30 1.322	0.0007	21	-30 56 12.47	-0.146	21	0.44	1.358	22	31.9	9.83	21	31.9			C7	544	C -31 622
71	9.4	9.0W	30 10.541	0.0033	13	-37 32 29.07	0.002	13	0.26	10.494	15	35.9	29.10	21	35.9	G0		C8	447	C -37 586
72	10.4		30 15.575	-0.0006	06	-35 16 28.80	0.014	06	0.20	15.583	15	35.9	29.00	21	35.9	G5	L	C8	448	C -35 536
73		5.5T	30 41.917	-0.0000	05	-37 7 16.85	-0.016	04	0.21	41.918	07	08.0	16.14	09	06.2	K0		GC	1881	C*-37 589
74	10.3	9.2W	30 56.398	0.0038	18	-36 39 59.90	0.007	18	0.31	56.344	15	35.9	+00.00	21	35.9	K1	L	C8	451	C -37 591
75	10.4	9.4W	30 56.778	-0.0010	13	-35 8 58.44	-0.024	13	0.26	56.793	15	35.9	58.10	21	35.9	K5		C8	452	C -35 543
76	8.6	8.3W	31 3.053	-0.0022	09	-37 34 21.63	0.104	09	0.22	3.084	15	35.9	23.10	21	35.9	F5		C8	453	C -37 593
77	8.6	8.2W	31 4.237	-0.0027	18	-38 30 3.17	-0.048	18	0.31	4.275	15	35.9	2.50	21	35.9	G0		C8	454	C -38 528
78	9.0	8.1W	31 6.349	0.0051	21	-30 11 37.49	-0.043	21	0.44	6.257	22	31.9	36.71	21	31.9	K2		C7	546	C -30 513
79	10.0	9.6W	31 8.295	0.0009	21	-31 21 15.28	-0.003	21	0.44	8.278	22	31.9	15.23	21	31.9	G5		C7	547	C -31 629
80	10.4	9.6W	31 13.193	0.0014	13	-36 16 9.50	-0.007	13	0.26	13.173	15	35.9	9.40	21	35.9	G8	L	C8	455	C -36 590
81	9.7	9.4W	31 48.308	-0.0073	21	-32 49 9.97	-0.260	21	0.44	48.440	22	31.9	5.26	21	31.9	G0		C7	548	C -33 565
82	10.1	8.6W	31 52.878	0.0028	21	-30 12 43.70	-0.038	21	0.44	52.827	22	31.9	43.01	21	31.9	K5		C7	549	C -30 519
83	10.1	9.7W	31 54.279	0.0095	21	-30 28 43.68	0.013	21	0.44	54.107	22	31.9	43.91	21	31.9	K5		C7	550	C -30 520
84	10.0	9.2W	31 59.755	-0.0026	21	-34 34 45.79	-0.017	21	0.44	59.802	22	31.9	45.48	21	31.9	K5		C7	551	C -34 611
85	11.2		32 6.321	-0.0038	30	-36 32 57.87	0.080	30	0.46	6.374	15	35.9	59.00	21	35.9	G0	L	C8	456	C -36 598
86	10.8	10.2W	32 7.391	0.0001	21	-30 45 41.59	-0.026	21	0.44	7.388	22	31.9	41.13	21	31.9			C7	552	C -31 636
87		8.0T	32 28.818	-0.0021	11	-35 36 3.09	-0.038	11	0.61	28.929	15	97.0	0.94	15	93.9	K0		GC	1916	C -35 552
88		6.2T	32 33.882	-0.0063	11	-32 8 49.57	-0.032	08	0.55	34.208	18	98.3	47.78	17	93.2	G5		GC	1918	C -32 613
89		7.2T	32 42.027	0.0104	11	-30 10 1.33	0.124	12	0.61	41.492	15	98.4	7.70	17	98.6	G5		GC	1920K	C*-30 529
90	9.9	9.2W	32 44.856	0.0030	18	-38 9 4.86	-0.040	18	0.31	44.814	15	35.9	4.29	21	35.9	G5		C8	458	C -38 538
91	9.1	8.8W	32 45.665	0.0043	21	-30 7 52.92	0.044	21	0.44	45.587	22	31.9	53.71	21	31.9	G0		C7	555	C -30 530
92	9.1	8.3W	32 48.717	-0.0012	21	-31 39 10.67	-0.084	21	0.44	48.739	22	31.9	9.15	21	31.9	K0		C7	556	C -32 614
93	10.7	9.9W	32 54.525	-0.0036	21	-32 56 43.76	-0.044	21	0.44	54.590	22	31.9	42.96	21	31.9			C7	557	C -33 574
94	10.4	9.8W	33 5.290	-0.0094	21	-32 51 28.62	-0.075	21	0.44	5.460	22	31.9	27.26	21	31.9	G5	L	C7	558	C -33 576
95	10.8	10.2W	33 19.909	-0.0011	21	-31 11 15.24	-0.078	21	0.44	19.928	22	31.9	13.83	21	31.9			C7	559	C -31 643
96	9.7	9.7W	33 21.297	0.0011	21	-30 29 51.10	0.034	21	0.44	21.277	22	31.9	51.71	21	31.9	A5		C7	560	C -30 536
97	9.9	8.6W	33 36.565	-0.0014	05	-38 48 44.41	-0.086	05	0.20	36.585	15	35.9	43.20	21	35.9	K0		C8	465	C -39 475
98	9.5	9.2W	33 44.426	0.0094	06	-36 15 35.59	0.015	06	0.25	44.293	15	35.9	35.80	21	35.9	F8		C8	466	C -36 612
99		10.8W	33 44.466	0.0037	21	-31 18 18.47	-0.019	21	0.44	44.398	22	31.9	18.13	21	31.9			C7	561	C -31 646
00	9.2	7.7W	33 45.174	-0.0021	06	-36 42 30.51	-0.001	06	0.25	45.254	15	35.9	30.50	21	35.9	MA		C8	467	C -37 603

193200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		5.7T	1 33 49.831	0.0075	09	-30 9 46.15	0.045	07	0.49	49.413	15	94.1	48.89	15	89.5	F0		GC	1947K	C*-30 540
2	9.9	9.1W	33 55.023	-0.0001	18	-37 33 5.74	0.004	18	0.31	55.024	15	35.9	5.80	21	35.9			C8	468	C -37 604
3	10.5	9.2W	34 4.076	-0.0024	21	-30 38 7.09	-0.037	21	0.44	4.118	22	31.9	6.43	21	31.9	K	L	C7	563	C -31 650
4	9.1	8.5W	34 4.477	-0.0008	21	-33 38 16.91	0.020	21	0.44	4.491	22	31.9	17.27	21	31.9	G5		C7	564	C -34 624
5	10.4	9.7W	34 26.327	0.0000	21	-30 10 21.33	0.021	21	0.44	26.327	22	31.9	21.71	21	31.9	G5	L	C7	565	C -30 543
6	10.1	8.9W	34 30.050	0.0032	13	-39 26 51.04	0.011	13	0.26	30.005	15	35.9	51.20	21	35.9	K2		C8	471	C -39 479
7		7.2T	34 32.350	0.0017	12	-32 33 5.00	0.019	12	0.67	32.263	19	99.3	6.01	19	97.8	G5		GC	1957	C*-32 623
8	10.3	9.3W	34 54.519	-0.0029	21	-33 45 39.09	0.016	21	0.44	54.571	22	31.9	39.37	21	31.9	G5		C7	567	C -34 631
9	10.8	10.7W	35 9.204	-0.0035	21	-30 20 50.18	0.002	21	0.44	9.267	22	31.9	50.21	21	31.9			C7	568	C -30 552
10	10.6	10.5W	35 9.571	0.0029	21	-31 26 55.15	-0.062	21	0.44	9.518	22	31.9	54.03	21	31.9			C7	569	C -31 653
11	10.1	10.5W	35 14.050	-0.0015	21	-30 51 51.17	-0.069	21	0.44	14.078	22	31.9	49.93	21	31.9			C7	570	C -31 654
12	10.1	9.8W	35 15.638	-0.0034	09	-39 54 2.09	-0.028	09	0.22	15.686	15	35.9	1.70	21	35.9	F8		C8	472	C -40 405
13	10.2E	9.7H	35 15.661	-0.0013	12	-39 53 59.96	0.009	12	0.86	15.729	63	98.9	+ 0.43	57	98.9	F8		CZ	758	P -40 147
14		7.3T	35 19.918	0.0063	15	-38 23 22.01	0.035	11	0.66	19.623	18	03.0	23.78	19	99.1	K2		GC	1976	C*-38 556
15	10.0	9.0W	35 34.957	0.0016	18	-37 58 21.27	-0.005	18	0.31	34.934	15	35.9	21.20	21	35.9	K0		C8	474	C -38 560
16	9.9	9.0W	35 39.636	0.0004	21	-32 19 23.04	0.000	21	0.44	39.629	22	31.9	23.05	21	31.9	G5		C7	571	C -32 632
17	10.5	10.1W	35 40.098	-0.0039	21	-31 46 25.75	-0.089	21	0.44	40.169	22	31.9	24.15	21	31.9			C7	572	C -32 631
18	10.8	10.7W	35 40.694	-0.0080	21	-31 18 33.46	-0.129	21	0.44	40.838	22	31.9	31.13	21	31.9			C7	573	C -31 660
19	10.1	9.9W	35 44.634	0.0013	21	-34 5 34.56	-0.027	21	0.44	44.611	22	31.9	34.07	21	31.9	G2	L	C7	574	C -34 637
20	10.2	10.1W	35 52.185	-0.0019	21	-30 31 6.10	0.018	21	0.44	52.218	22	31.9	6.43	21	31.9			C7	575	C -30 557
21	10.0	9.9W	35 52.790	0.0044	21	-33 15 26.58	-0.045	21	0.44	52.710	22	31.9	25.76	21	31.9	F5		C7	576	C -33 584
22	10.0	9.3W	36 3.833	-0.0028	13	-35 28 2.78	0.001	13	0.26	3.873	15	35.9	2.80	21	35.9	K0		C8	476	C -35 572
23	9.4	9.2W	36 14.110	0.0003	06	-39 51 24.36	0.017	06	0.20	14.106	15	35.9	24.60	21	35.9	F8		C8	479	C -40 409
24		6.0T	36 14.217	-0.0018	06	-36 46 49.08	-0.123	05	0.28	14.302	10	03.9	43.03	10	00.9	G5		GC	1989	C -37 620
25	10.1	9.4W	36 16.295	0.0030	21	-32 30 11.52	-0.064	21	0.44	16.240	22	31.9	10.36	21	31.9	K2		C7	577	C -32 635
26		7.4T	36 21.926	-0.0014	12	-32 25 21.91	-0.004	11	0.59	21.994	14	01.5	21.74	15	00.3	G0		GC	1992	C*-32 639
27	9.4	9.0W	36 46.454	-0.0004	21	-33 43 12.83	-0.108	21	0.44	46.461	22	31.9	10.87	21	31.9	G0		C7	579	C -34 645
28	10.2	9.4W	36 58.258	0.0001	13	-39 41 11.03	-0.052	13	0.26	58.256	15	35.9	10.30	21	35.9	K0		C8	482	C -40 413
29		6.7T	37 6.375	-0.0017	16	-33 49 3.61	0.034	12	0.71	6.292	18	02.3	5.38	18	98.1	G5		GC	2013	C -34 650
30	11.0		37 10.332	-0.0029	13	-35 8 17.86	0.017	13	0.26	10.373	15	35.9	18.10	21	35.9	K0	L	C8	483	C -35 578
31	9.7	9.5W	37 11.858	-0.0024	21	-33 46 17.35	0.040	21	0.44	11.901	22	31.9	18.07	21	31.9	G5		C7	581	C -34 651
32	10.6		37 13.423	-0.0015	18	-38 25 10.42	-0.009	18	0.31	13.444	15	35.9	10.29	21	35.9	G2	L	C8	484	C -38 570
33	9.9	9.6W	37 18.908	-0.0032	09	-36 18 8.25	-0.075	09	0.22	18.953	15	35.9	7.20	21	35.9	F8		C8	485	C -36 635
34	10.0	9.7W	37 25.222	-0.0016	21	-33 38 14.69	-0.078	21	0.44	25.251	22	31.9	13.27	21	31.9	F8	L	C7	583	C -34 653
35	10.2	9.5W	37 26.665	-0.0009	21	-33 43 6.72	0.003	21	0.44	26.681	22	31.9	6.77	21	31.9	G5		C7	584	C -34 654
36		9.4T	37 27.598	0.0030	16	-37 43 32.52	-0.017	16	0.79	27.458	24	03.0	31.69	22	01.8	K0		GC	2022K	C -38 572
37		7.4T	37 29.158	-0.0009	11	-37 43 34.22	-0.009	11	0.61	29.205	19	98.8	33.72	19	95.9	K0		GC	2023K	C*-38 573
38	10.8	10.4W	37 53.715	0.0031	21	-31 1 32.65	-0.051	21	0.44	53.658	22	31.9	31.73	21	31.9			C7	586	C -31 677
39	10.9		37 55.058	0.0203	13	-35 27 7.23	-0.109	13	0.26	54.773	15	35.9	5.70	21	35.9	G5	L	C8	488	C -35 583
40		10.7W	37 55.908	0.0071	21	-31 17 48.09	-0.092	21	0.44	55.778	22	31.9	46.43	21	31.9			C7	587	C -31 678
41	11.0		37 57.370	0.0018	18	-37 24 11.29	-0.035	18	0.31	57.344	15	35.9	10.80	21	35.9	G5	L	C8	489	C -37 638
42		7.8T	38 2.453	0.0001	13	-34 43 46.04	0.006	12	0.64	2.448	15	02.0	46.35	17	99.4	G5		GC	2034	C*-35 586
43	9.5	8.7W	38 5.725	-0.0024	21	-31 46 15.55	-0.050	21	0.44	5.769	22	31.9	14.65	21	31.9	G5		C7	589	C -32 651
44	10.7	10.0W	38 12.128	-0.0006	21	-30 44 30.53	-0.017	21	0.44	12.138	22	31.9	30.23	21	31.9			C7	590	C -31 681
45	10.2	8.9W	38 14.869	0.0010	13	-39 2 35.36	-0.004	13	0.26	14.855	15	35.9	35.30	21	35.9	K5		C8	491	C -39 500
46	11.3		38 15.493	-0.0007	13	-36 19 25.84	-0.017	13	0.26	15.503	15	35.9	25.60	21	35.9	K0	L	C8	492	C -36 638
47	9.0	8.6W	38 19.731	0.0123	21	-31 58 4.40	-0.147	21	0.44	19.509	22	31.9	1.75	21	31.9	G0		C7	591	C -32 655
48		7.8T	38 23.193	0.0086	14	-36 44 2.17	-0.144	12	0.68	22.783	18	02.2	-54.95	18	00.0	G5		GC	2040	C*-37 641
49	10.6	9.7W	38 31.936	0.0023	13	-35 35 54.65	-0.004	13	0.26	31.903	15	35.9	54.59	21	35.9	G8	L	C8	494	C -35 591
50	9.9	9.7W	38 36.871	-0.0015	21	-31 45 26.39	-0.041	21	0.44	36.899	22	31.9	25.65	21	31.9	G0		C7	592	C -32 657
51	10.0	9.8W	1 38 41.639	-0.0005	21	-32 1 55.91	-0.031	21	0.44	41.649	22	31.9	55.35	21	31.9	G0		C7	593	C -32 660
52	9.1	9.3W	38 48.910	0.0043	21	-34 50 38.27	-0.016	21	0.44	48.832	22	31.9	37.98	21	31.9	A0		C7	594	C -35 594
53		7.3T	38 56.988	0.0040	13	-33 39 1.32	0.022	11	0.64	56.786	15	99.9	2.49	17	97.1	G5		GC	2057	C -34 661
54	9.1	8.6W	39 10.585	0.0070	21	-32 3 33.18	-0.179	21	0.44	10.459	22	31.9	29.95	21	31.9	G0		C7	596	C -32 662
55		6.1T	39 15.683	0.0039	06	-38 23 9.13	0.057	05	0.26	15.516	10	06.8	11.86	10	01.9	F2		GC	2067	C -38 584
56	10.8	10.3W	39 32.022	-0.0066	21	-34 17 2.37	-0.000	21	0.44	32.141	22	31.9	2.37	21	31.9			C7	597	C -34 667
57	9.8	9.6W	39 34.697	0.0016	21	-32 24 30.48	-0.024	21	0.44	34.669	22	31.9	30.05	21	31.9	G0		C7	598	C -32 664
58	10.8	10.6W	39 41.552	0.0090	21	-31 15 40.48	-0.042	21	0.44	41.388	22	31.9	39.73	21	31.9			C7	599	C -31 691
59		8.4T	39 44.541	-0.0015	13	-35 5 17.35	0.023	12	0.64	44.612	17	01.7	18.48	18	00.0	G5		GC	2078	C -35 597
60	8.7	8.0W	39 49.522	0.0013	21	-32 20 35.82	-0.065	21	0.44	49.499	22	31.9	34.65	21	31.9	G5		C7	600	C -32 665
61		5.6H	39 50.769	-0.0031	03	-37 5 2.52	-0.020	03	0.11	50.871	05	17.2	1.89	05	19.3	A0		F4	58	C -37 650
62	8.8	8.1W	39 51.913	0.0027	13	-39 23 57.84	0.004	13	0.26	51.875	15	35.9	57.89	21	35.9	G5		C8	499	C -39 512
63		5.3H	39 53.210	-0.0059	03	-32 34 42.49	-0.022	03	0.10	53.404	06	16.9	41.80	05	19.0	K0		F4	1048	C -32 666
64	10.8	10.0W	40 20.532	0.0027	18	-38 3 50.81	-0.072	18	0.31	20.494	15	35.9	49.80	21	35.9	F5	L	C8	501	C -38 588
65	10.5	9.6W	40 33.341	0.0062	13	-38 15 25.46	0.010	13	0.26	33.254	15	35.9	25.60	21	35.9	K0		C8	502	C -38 589
66		10.5W	40 44.279	-0.0022	21	-31 16 35.33	-0.072	21	0.44	44.318	22	31.9	34.03	21	31.9			C7	603	C -31 703
67	9.8	8.7W	40 45.750	0.0005	13	-35 46 34.77	-0.005	13	0.26	45.744	15	35.9	34.70	21	35.9	K0		C8	503	C -36 647
68	9.7	9.3W	40 48.052	-0.0008	09	-36 3 56.56	-0.068	09	0.22	48.064	15	35.9	55.60	21	35.9	F8		C8	504	C -36 648
69	9.4	8.5W	41 21.446	0.0022	09	-38 44 46.84	0.004	09	0.22	21.415	15	35.9	46.90	21	35.9	G5		C8	505	C -39 522
70	9.8	9.0W	41 32.174	0.0037	21	-30 3 44.51	-0.000	21	0.44	32.107	22	31.9	44.51	21	31.9	G5		C7	604	C -30 591
71	10.8	9.6W	41 38.253	0.0001	21	-34 24 1.48	-0.011	21	0.44	38.253	22	31.9	1.27	21	31.9			C7	605	C -34 677
72	9.8	8.8W	41 38.459	0.0011	18	-37 31 29.90	-0.000	18	0.31	38.444	15	35.9	29.90	21	35.9	K0		C8	507	C -37 663
73	8.6	8.6W	41 40.420	0.0050	21	-30 58 41.72	-0.033	21	0.44	40.328	22	31.9	41.13	21	31.9	A3		C7	606	C -31 712
74	10.9	9.4W	41 40.506	-0.0013	30	-37 22 55.07	0.016	30	0.46	40.524	15	35.9	55.30	21	35.9	K5	L	C8	508	C -37 664
75	10.8	9.9W	41 41.550	0.0005	13	-35 54 37.26	0.024	13	0.26	41.543	15	35.9	37.60	21	35.9	K0	L	C8	509	C -36 653
76	9.2	8.5W	41 52.163	-0.0003	21	-32 0 57.76	-0.045	21	0.44	52.169	22	31.9	56.95	21	31.9	G5		C7	607	C -32 677
77	9.8	9.5W	42 1.309	-0.0039	13	-38 15 3.09	-0.056	13	0.26	1.364	15	35.9	2.30	21	35.9	G0		C8	510	C -38 594
78	9.5	8.8W	42 4.969	0.0006	21	-31 52 9.59	-0.008	21	0.44	4.959	22	31.9	9.45	21	31.9	G5		C7	608	C -32 680
79	9.2	8.8W	42 14.399	0.0065	21	-34 5 32.55	-0.087	21	0.44	14.281	22	31.9	30.87	21	31.9	G5		C7	609	C -34 682
80		6.8T	42 22.986	0.0007	16	-34 39 24.38	-0.038	12	0.68	22.953	14	03.0	22.55	15	01.6	K0		GC	2134	C*-35 614
81	9.8	9.6W	42 31.761	0.0281	13	-38 57 29.77	0.002	13	0.26	31.365	15	35.9	29.79	21	35.9	F8		C8	513	C -39 529
82	11.0		42 37.811	0.0033	23	-37 22 25.49	0.036	23	0.37	37.764	15	35.9	26.00	21	35.9	G0	L	C8	514	C -37 673
83	9.4	8.5W	42 39.529	0.0010	21	-33 4 39.74	-0.015	21	0.44	39.510	22	31.9	39.46	21	31.9	G5		C7	611	C -33 606
84	7.7	7.7W	42 45.839	0.0017	21	-31 38 11.26	-0.078	21	0.44	45.809	22	31.9	9.85	21	31.9	F0		C7	612	C -32 685
85		10.8W	42 46.906	0.0004	21	-31 10 33.94	-0.200	21	0.44	46.898	22	31.9	30.33	21	31.9			C7	613	C -31 721
86	10.2	9.7W	42 47.450	-0.0010	18	-36 41 47.14	-0.024	18	0.31	47.464	15	35.9	46.80	21	35.9	G5		C8	515	C -37 675
87	10.7	9.7W	43 0.916	-0.0007	13	-38 47 10.31	0.049	13	0.26	0.925	15	35.9	11.00	21	35.9	G8	L	C8	516	C -39 530
88	9.3	9.0W	43 1.855	-0.0035	21	-32 8 28.06	-0.161	21	0.44	1.919	22	31.9	25.15	21	31.9	F5		C7	614	C -32 686
89	9.4	8.6W	43 14.556	-0.0012	13	-36 21 24.45	0.025	13	0.26	14.574	15	35.9	24.80	21	35.9	G5		C8	517	C -36 664
90		11.0W	43 21.095	-0.0074	21	-30 49 59.08	0.008	21	0.44	21.228	22	31.9	59.23	21	31.9			C7	615	C -31 726
91	10.0	9.9W	43 28.133	0.0062	18	-38 48 22.90	-0.007	18	0.31	28.045	15	35.9	22.79	21	35.9	F5		C8	518	C -39 533
92	10.0	9.2W	43 40.513	0.0027	13	-38 53 10.87	-0.019	13	0.26	40.475	15	35.9	10.60	21	35.9	K0		C8	519	C -39 534
93	10.9		43 43.810	-0.0038	13	-35 53 13.94	-0.003	13	0.26	43.864	15	35.9	13.90	21	35.9	G5	L	C8	520	C -36 666
94	10.7	10.6W	43 49.603	0.0002	21	-30 53 0.96	-0.046	21	0.44	49.598	22	31.9	0.13	21	31.9			C7	616	C -31 730
95	10.3	10.2W	44 3.290	0.0000	21	-33 16 20.21	-0.047	21	0.44	3.290	22	31.9	19.36	21	31.9	F5	L	C7	617	C -33 613
96	9.8	9.8W	44 7.524	0.0021	18	-38 11 5.85	-0.018	18	0.31	7.494	15	35.9	5.60	21	35.9	F2		C8	521	C -38 602
97	10.0	9.6W	44 31.180	0.0018	21	-30 26 34.88	0.057	21	0.44	31.147	22	31.9	35.91	21	31.9	G0		C7	619	C -30 608
98	10.3	9.4W	44 48.107	-0.0006	21	-31 37 14.20	-0.064	21	0.44	48.119	22	31.9	13.05	21	31.9	G5		C7	620	C -31 738
99	9.7	8.6W	45 2.301	-0.0005	21	-32 56 36.96	-0.022	21	0.44	2.310	22	31.9	36.56	21	31.9	K0		C7	621	C -33 619
00	10.0	10.0W	45 24.496	-0.0019	13	-36 8 12.42	-0.016	13	0.26	24.523	15	35.9	12.20	21	35.9	F5		C8	523	C -36 675

193300			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 1H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	10.5	9.7W	1 45 34.422	-0.0038	21	-34 4 2.03	0.041	21	0.44	34.491	22	31.9	2.77	21	31.9		C7	623	C -34 699	
2	10.6	9.9W	45 35.378	-0.0005	21	-30 17 10.72	-0.006	21	0.44	35.387	22	31.9	10.61	21	31.9		C7	624	C -30 617	
3		6.4T	45 36.047	0.0003	06	-37 24 31.16	0.016	05	0.27	36.035	10	05.8	31.90	10	03.2	K0	GC	2190	C -37 687	
4	9.7	8.7W	45 38.646	-0.0014	08	-39 49 22.97	-0.019	08	0.22	38.666	15	35.9	22.70	21	35.9	G5	C8	525	C -40 459	
5	9.7	9.4W	45 42.894	0.0028	05	-36 34 0.47	-0.076	05	0.20	42.854	15	35.9	59.39	21	35.9	G0	C8	526	C -36 678	
6	10.1	9.2W	46 15.885	0.0022	18	-37 6 2.47	-0.019	18	0.31	15.854	15	35.9	2.20	21	35.9	G5	C8	527	C -37 691	
7	10.4	9.3W	46 19.164	0.0013	21	-32 50 48.92	-0.020	21	0.44	19.140	22	31.9	48.56	21	31.9	G5	C7	625	C -33 623	
8	10.7	9.6W	46 19.349	-0.0011	13	-36 40 44.24	-0.010	13	0.26	19.364	15	35.9	44.10	21	35.9	K2	C8	528	C -37 693	
9	10.3	9.8W	46 22.850	0.0127	21	-32 43 30.74	-0.109	21	0.44	22.620	22	31.9	28.76	21	31.9	G0	C7	626	C -33 625	
10	9.9	9.6W	46 25.392	-0.0066	21	-34 29 4.30	-0.029	21	0.44	26.511	22	31.9	3.77	21	31.9	F8	C7	627	C -34 703	
11	9.9	9.0W	46 31.121	-0.0022	21	-33 51 49.03	-0.025	21	0.44	31.161	22	31.9	48.57	21	31.9	G5	C7	628	C -34 704	
12		7.2T	46 31.583	-0.0032	12	-38 54 16.79	-0.097	11	0.63	31.749	19	98.7	11.55	18	96.2	F2	GC	2215	C -39 548	
13	10.9	9.9W	46 33.572	0.0016	21	-30 55 13.68	-0.042	21	0.44	33.538	22	31.9	12.93	21	31.9		C7	629	C -31 748	
14	9.7	8.6W	46 37.163	0.0051	21	-33 8 38.72	-0.003	21	0.44	37.070	22	31.9	38.66	21	31.9	G5	C7	630	C -33 627	
15	10.2	10.0W	46 37.449	-0.0003	13	-35 47 6.03	-0.038	13	0.26	37.454	15	35.9	5.50	21	35.9	F8	C8	530	C -36 685	
16		10.2W	46 41.993	0.0002	21	-30 51 11.66	-0.046	21	0.44	41.988	22	31.9	10.83	21	31.9		C7	631	C -31 750	
17	10.2	9.9W	46 49.260	0.0017	21	-30 45 38.09	-0.048	21	0.44	49.228	22	31.9	37.23	21	31.9	F8 L	C7	632	C -31 751	
18	9.8	9.6W	46 56.346	-0.0031	21	-34 32 33.69	0.016	21	0.44	56.402	22	31.9	33.98	21	31.9	A5	C7	633	C -34 705	
19	10.7		46 58.179	-0.0017	13	-34 58 26.02	-0.009	13	0.26	58.203	15	35.9	25.89	21	35.9	K2 L	C8	531	C -35 636	
20		6.4T	47 3.763	0.0077	13	-31 19 13.42	-0.021	11	0.64	3.388	15	01.2	12.32	17	98.5	K0	GC	2211	C* -31 753	
21	10.7	9.2W	47 7.465	-0.0013	13	-35 32 50.98	-0.027	13	0.26	7.483	15	35.9	50.59	21	35.9	K5	C8	532	C -35 638	
22	10.5	10.1W	47 15.069	0.0017	21	-31 32 27.87	-0.051	21	0.44	15.039	22	31.9	26.95	21	31.9	G0 L	C7	635	C -31 757	
23	8.9	8.6W	47 25.199	-0.0057	21	-34 42 25.91	-0.007	21	0.44	25.302	22	31.9	25.78	21	31.9	F5	C7	636	C -35 640	
24	9.7	9.0W	47 25.692	0.0023	21	-33 23 8.15	-0.049	21	0.44	25.650	22	31.9	7.26	21	31.9	G5	C7	637	C -33 630	
25	10.2E	9.7H	47 27.455	0.0003	12	-39 59 23.93	-0.015	12	0.86	27.442	63	98.9	23.17	57	98.9	G0	CZ	853	P -40 158	
26		6.5T	47 39.410	-0.0007	06	-38 39 17.15	0.238	06	0.28	39.442	10	06.4	27.51	12	06.4	F5	GC	2219K	C* -39 553	
27	8.9	8.4W	47 46.389	-0.0095	08	-35 47 12.29	-0.099	08	0.22	46.524	15	35.9	10.90	21	35.9	G0	C8	535	C -36 695	
28		8.0T	47 52.794	-0.0071	13	-39 4 38.03	-0.039	11	0.66	53.154	19	99.6	35.90	18	95.8	F5	GC	2225K	C -39 556	
29	11.1	10.0W	47 57.664	-0.0007	18	-38 23 30.19	0.001	18	0.31	57.674	15	35.9	30.20	21	35.9	K1 L	C8	537	C -38 620	
30	10.5	10.1W	48 11.492	0.0101	21	-31 28 23.45	-0.029	21	0.44	11.308	22	31.9	22.93	21	31.9		C7	638	C -31 765	
31	9.5	9.3W	48 37.839	-0.0005	21	-32 29 31.12	-0.021	21	0.44	37.849	22	31.9	30.75	21	31.9	A5	C7	639	C -32 720	
32	9.8	9.6W	48 43.530	-0.0017	21	-33 31 34.48	-0.050	21	0.44	43.561	22	31.9	33.57	21	31.9	F2	C7	640	C -33 637	
33	10.0	9.6W	48 44.024	0.0013	21	-32 52 10.20	-0.052	21	0.44	44.000	22	31.9	9.26	21	31.9	G0	C7	641	C -33 636	
34	10.0	9.0W	48 46.537	-0.0030	21	-33 53 1.99	0.010	21	0.44	46.591	22	31.9	2.17	21	31.9	G5	C7	642	C -34 712	
35		7.1T	48 58.681	0.0162	12	-31 9 2.23	0.074	11	0.61	57.870	15	99.8	6.07	17	97.8	F8	GC	2248	C* -31 767	
36		10.3W	49 14.943	0.0052	21	-31 12 10.70	-0.043	21	0.44	14.848	22	31.9	9.93	21	31.9		C7	646	C -31 772	
37	10.1		49 19.411	-0.0023	13	-35 55 22.00	-0.029	13	0.26	19.444	15	35.9	21.60	21	35.9	G0	C8	538	C -36 705	
38	10.7	9.6W	49 30.675	-0.0007	21	-30 34 19.07	0.042	21	0.44	30.688	22	31.9	19.83	21	31.9	K L	C7	647	C -30 637	
39	10.8	9.2W	49 31.468	0.0017	18	-37 3 5.46	0.045	18	0.31	31.444	15	35.9	6.09	21	35.9	K5 L	C8	540	C -37 717	
40	10.2	8.9W	49 39.382	0.0024	21	-31 34 48.53	-0.027	21	0.44	39.339	22	31.9	48.05	21	31.9	K5 L	C7	648	C -31 775	
41	10.5	10.2W	49 39.916	-0.0024	21	-31 23 8.89	-0.059	21	0.44	39.958	22	31.9	7.83	21	31.9	G0 L	C7	649	C -31 777	
42		7.1T	49 41.841	0.0006	13	-37 17 21.26	0.035	12	0.63	41.819	15	01.9	23.00	17	00.0	F8	GC	2266	C -37 719	
43		8.2T	49 45.467	0.0023	15	-39 7 48.38	-0.004	12	0.73	45.355	22	00.8	48.14	19	95.5	F2	GC	2267	C -39 567	
44	7.9	8.0W	49 57.701	-0.0027	21	-32 47 11.21	-0.019	21	0.44	57.750	22	31.9	10.86	21	31.9	A0	C7	650	C -33 647	
45	9.4	9.4W	49 58.660	-0.0038	13	-36 29 17.78	-0.013	13	0.26	58.714	15	35.9	17.60	21	35.9	A3	C8	544	C -36 707	
46	8.1E	8.7H	50 4.697	-0.0041	12	-39 55 15.16	-0.083	12	0.67	4.911	28	98.3	10.87	26	98.3	F5	CZ	876	P -40 164	
47	11.1	9.6W	50 9.107	0.0002	10	-38 18 19.99	0.015	10	0.23	9.104	15	35.9	20.20	21	35.9	K2	C8	545	C -38 635	
48	10.5	9.9W	50 10.475	-0.0013	13	-36 1 21.61	0.049	13	0.26	10.494	15	35.9	22.30	21	35.9	F8	C8	546	C -36 709	
49	8.9	7.8W	50 13.591	-0.0004	13	-35 39 44.17	-0.048	13	0.26	13.596	15	35.9	43.50	21	35.9	G5	C8	547	C -40 470	
50	9.4	8.9W	50 16.136	0.0057	08	-38 48 40.04	-0.010	08	0.22	16.055	15	35.9	39.90	21	35.9	G5	C8	548	C -39 568	
51		8.1T	1 50 17.400	0.0057	12	-38 59 30.91	0.017	11	0.65	17.104	21	97.7	31.82	19	95.2	A5	GC	2275	C -39 569	
52	9.3	9.0W	50 17.510	-0.0005	21	-30 32 3.37	0.053	21	0.44	17.518	22	31.9	4.33	21	31.9	F5	C7	651	C -30 641	
53	8.2	8.0W	50 22.042	-0.0066	21	-34 26 24.28	-0.028	21	0.44	22.161	22	31.9	23.77	21	31.9	F0	C7	652	C -34 720	
54	10.6	10.3W	50 23.067	0.0000	21	-30 20 34.63	0.071	21	0.44	23.067	22	31.9	35.91	21	31.9	F0 L	C7	653	C -30 642	
55	10.2	9.9W	50 23.199	0.0026	13	-35 18 55.38	0.001	13	0.26	23.163	15	35.9	55.40	21	35.9	F5	C8	550	C -35 649	
56	9.3	9.0W	50 29.867	0.0015	21	-33 29 11.68	-0.056	21	0.44	29.840	22	31.9	10.66	21	31.9	G0	C7	654	C -33 650	
57	9.6	8.7W	50 30.368	0.0031	18	-38 17 42.20	0.014	18	0.31	30.324	15	35.9	42.40	21	35.9	G5	C8	551	C -38 637	
58	8.9	8.1W	50 36.832	0.0078	05	-35 5 55.71	-0.029	05	0.20	36.723	15	35.9	55.30	21	35.9	G5	C8	553	C -35 650	
59	10.7		50 39.312	0.0056	18	-36 8 27.52	-0.009	18	0.31	39.233	15	35.9	27.40	21	35.9	F8 L	C8	554	C -36 713	
60	10.7	10.3W	50 42.427	-0.0033	21	-30 5 35.80	-0.021	21	0.44	42.487	22	31.9	35.41	21	31.9	G L	C7	655	C -30 646	
61	8.1	8.1W	50 45.932	0.0078	21	-33 1 21.74	-0.021	21	0.44	45.790	22	31.9	21.36	21	31.9	A2	C7	656	C -33 651	
62	10.0	9.6W	50 47.868	0.0003	21	-34 32 12.07	-0.237	21	0.44	47.862	22	31.9	7.78	21	31.9	G0	C7	657	C -34 722	
63	8.6	8.3W	50 50.141	0.0000	21	-33 33 27.89	-0.200	21	0.44	50.141	22	31.9	24.27	21	31.9	F8	C7	658	C -33 652	
64	8.4	8.2W	50 57.816	0.0086	21	-33 3 10.65	0.023	21	0.44	57.660	22	31.9	11.06	21	31.9	F5	C7	659	C -33 653	
65		10.7W	51 4.991	-0.0031	21	-30 20 1.31	-0.127	21	0.44	5.047	22	31.9	59.01	21	31.9		C7	660	C -30 650	
66	11.2	9.9W	51 6.626	0.0044	08	-36 48 5.09	-0.014	08	0.22	6.564	15	36.0	4.90	21	36.0	K2 L	C8	556	C -37 729	
67	10.2	9.6W	51 8.947	-0.0023	21	-31 5 17.06	0.031	21	0.44	8.988	22	31.9	17.63	21	31.9	G2 L	C7	661	C -31 784	
68		6.1T	51 14.058	0.0109	06	-38 50 26.70	0.033	06	0.28	13.585	10	06.5	28.21	10	03.8	K0	GC	2297	C -39 573	
69	8.4	7.4W	51 14.147	-0.0041	21	-33 48 37.00	-0.018	21	0.44	14.221	22	31.9	36.67	21	31.9	K0	C7	662	C -34 724	
70	11.0		51 14.274	-0.0056	23	-35 5 47.75	-0.025	23	0.37	14.353	15	36.0	47.40	21	36.0	F8 L	C8	558	C -35 655	
71	11.1		51 31.817	0.0023	18	-36 53 17.61	-0.008	18	0.31	31.784	15	36.0	17.50	21	36.0	G2 L	C8	560	C -37 733	
72	9.5	8.9W	51 35.452	0.0007	21	-30 32 51.05	0.004	21	0.44	35.438	22	31.9	51.13	21	31.9	G0	C7	663	C -30 655	
73	10.2	9.4W	51 44.088	-0.0004	09	-38 1 19.49	-0.028	09	0.22	44.094	15	36.0	19.10	21	36.0	G5	C8	561	C -38 643	
74	10.4	9.9W	51 50.632	0.0079	21	-30 33 12.32	-0.116	21	0.44	50.488	22	31.9	10.23	21	31.9	G0 L	C7	664	C -30 656	
75	10.0	9.1W	51 51.421	-0.0033	21	-34 1 30.25	-0.032	21	0.44	51.481	22	31.9	29.67	21	31.9	G5	C7	665	C -34 728	
76	9.6	9.3W	52 1.418	-0.0006	21	-31 37 28.04	0.017	21	0.44	1.429	22	31.9	28.35	21	31.9	G0	C7	666	C -32 736	
77	11.1	10.0W	52 27.191	-0.0009	13	-36 7 43.83	-0.045	13	0.26	27.204	15	36.0	43.20	21	36.0	K0 L	C8	562	C -36 728	
78	10.0	9.5W	52 35.854	-0.0142	21	-33 47 0.95	-0.065	21	0.44	36.111	22	31.9	59.77	21	31.9	F8	C7	669	C -34 734	
79	9.6	9.1W	52 43.836	0.0037	21	-31 28 3.07	-0.019	21	0.44	43.768	22	31.9	2.73	21	31.9	G0	C7	670	C -31 791	
80	9.8	9.6W	52 44.436	-0.0007	21	-31 34 28.41	-0.042	21	0.44	44.449	22	31.9	27.65	21	31.9	F8	C7	671	C -31 792	
81	9.9	8.8W	53 0.226	0.0038	13	-35 42 7.17	-0.041	13	0.26	0.173	15	36.0	6.60	21	36.0	K0	C8	563	C -36 730	
82	10.5	9.0W	53 7.744	-0.0014	13	-36 2 51.81	-0.022	13	0.26	7.764	15	36.0	51.50	21	36.0	M0 L	C8	564	C -36 732	
83	9.7	9.7W	53 15.408	0.0037	13	-39 31 58.67	0.016	13	0.26	15.356	15	36.0	58.90	21	36.0	F5	C8	565	C -39 582	
84	10.5		53 16.866	0.0044	23	-37 40 33.62	-0.030	23	0.37	16.804	15	36.0	33.20	21	36.0	G0	C8	566	C -38 649	
85	10.4	9.9W	53 17.304	-0.0043	18	-38 23 41.22	-0.016	18	0.31	17.364	15	36.0	40.99	21	36.0	G0	C8	567	C -38 650	
86	11.1E	9.1Z	53 45.634	0.0015	12	-39 54 46.02	-0.001	12	0.67	45.758	28	98.3	45.97	26	98.3		CZ	900	P -40 168	
87		7.5T	53 46.114	-0.0008	11	-36 29 22.17	-0.000	11	0.59	46.155	18	98.0	22.15	18	98.3	A2	GC	2336	C -36 737	
88	10.0	9.6W	53 46.305	0.0042	21	-31 11 29.49	-0.026	21	0.44	46.228	22	31.9	29.03	21	31.9	G0	C7	672	C -31 795	
89	10.1	9.9W	53 50.257	-0.0069	13	-36 8 44.59	-0.057	13	0.26	50.353	15	36.0	43.79	21	36.0	G2 L	C8	569	C -36 738	
90	10.1	9.7W	53 52.622	-0.0036	21	-30 4 7.24	0.098	21	0.44	52.687	22	31.9	9.01	21	31.9	G0	C7	673	C -30 671	
91	9.5	8.1W	53 54.180	0.0026	18	-38 3 47.23	-0.038	18	0.31	54.144	15	36.0	46.70	21	36.0	K5	C8	570	C -38 653	
92	10.1	8.7W	54 5.155	0.0008	21	-32 43 45.66	-0.000	21	0.44	5.140	22	31.9	45.66	21	31.9	K0	C7	675	C -33 666	
93	9.1	7.9W	54 9.847	-0.0008	21	-33 58 30.38	0.033	21	0.44	9.861	22	31.9	30.97	21	31.9	K0	C7	676	C -34 744	
94	10.5		54 11.113	0.0022	18	-35 4 24.47	0.016	18	0.31	11.083	15	36.0	24.70	21	36.0	G0	C8	571	C -35 675	
95	9.8	9.4W	54 19.297	0.0065	21	-31 22 44.83	-0.039	21	0.44	19.178	22	31.9	44.13	21	31.9	F8	C7	677	C -31 798	
96		6.5T	54 21.171	0.0022	12	-32 22 56.17	0.011	11	0.61	21.060	15	99.4	56.78	17	96.6	G5	GC	2344	C* -32 750	
97	9.8	8.7W	54 25.641	0.0006	21	-33 12 48.24	-0.021	21	0.44	25.630	22	31.9	47.86	21	31.9	K0	C7	679	C -33 669	
98	10.9	9.8W	54 28.261	0.0010	21	-34 34 42.02	-0.041	21	0.44	28.242	22	31.9	41.28	21	31.9		C7	680	C -34 746	
99	10.7	10.4W	54 38.466	0.0005	21	-30 25 32.45	0.009	21	0.44	38.457	22	31.9	32.61	21	31.9		C7	681	C -30 676	
100	10.2	9.6W	54 41.179	-0.0046	21	-33 56 36.79	-0.078	21	0.44	41.251	22	31.9	35.37	21	31.9	G0	C7	682	C -34 747	

193400

EPOCH 1950											ORIGINAL EPOCH						SP.	SOURCE		-30° 1H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″/001	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	7.8	7.9W	1 54 51.462	-0.0027	21	-34 11 1.79	-0.067	21	0.44	51.511	22	31.9	0.57	21	31.9	FO	C7	683	C -34 748	
2	9.6	9.2W	54 51.880	0.0049	21	-33 55 48.47	-0.011	21	0.44	51.791	22	31.9	48.27	21	31.9	GO	C7	684	C -34 749	
3	10.6	10.3W	54 52.814	0.0026	21	-30 19 0.23	0.071	21	0.44	52.767	22	31.9	1.51	21	31.9	F8	L C7	685	C -30 678	
4		7.3T	54 54.092	0.0036	17	-31 19 38.16	-0.027	13	0.76	53.922	18	02.4	36.80	18	00.2	K5	GC	2360	C* -31 800	
5	10.6	9.9W	54 57.156	-0.0051	21	-32 9 18.40	-0.152	21	0.44	57.249	22	31.9	15.65	21	31.9	G5	L C7	687	C -32 752	
6	10.1	9.9W	55 3.033	0.0002	21	-30 58 37.05	-0.007	21	0.44	3.028	22	31.9	36.93	21	31.9	GO	L C7	688	C -31 804	
7	8.9	7.9W	55 7.345	0.0015	18	-37 44 24.09	0.029	18	0.31	7.324	15	36.0	24.50	21	36.0	K0	C8	574	C -38 660	
8		7.0T	55 14.083	0.0016	14	-36 18 3.14	0.045	12	0.68	14.005	17	01.8	5.37	18	00.2	A5	GC	2370	C -36 745	
9	8.8	8.5W	55 32.322	0.0056	09	-37 13 14.93	0.012	09	0.22	32.244	15	36.0	15.10	21	36.0	F5	C8	576	C -37 750	
10	9.9	9.4W	55 40.519	-0.0123	21	-33 39 6.75	-0.170	21	0.44	40.741	22	31.9	3.67	21	31.9	GO	C7	689	C -34 752	
11	9.5	9.0W	55 45.252	0.0050	13	-35 21 11.86	-0.012	13	0.26	45.183	15	36.0	11.75	21	36.0	F8	C8	577	C -35 683	
12	9.3	8.4W	55 46.949	-0.0012	21	-34 20 59.15	-0.054	21	0.44	46.971	22	31.9	58.17	21	31.9	K0	C7	690	C -34 753	
13	10.7		55 49.636	0.0023	23	-37 52 14.53	0.076	23	0.37	49.604	15	36.0	15.60	21	36.0	G5	L C8	579	C -38 665	
14	9.9	9.2W	55 51.218	0.0054	21	-32 45 37.31	-0.030	21	0.44	51.120	22	31.9	36.76	21	31.9	GO	C7	691	C -33 677	
15	10.2	9.7W	55 53.511	0.0089	21	-32 38 36.79	-0.068	21	0.44	53.350	22	31.9	35.56	21	31.9	GO	C7	692	C -33 678	
16	10.0	8.6W	55 54.213	0.0007	21	-32 58 37.91	-0.030	21	0.44	54.200	22	31.9	37.36	21	31.9	MA	C7	693	C -33 680	
17	9.7	9.6W	55 55.711	-0.0031	13	-37 8 53.27	-0.048	13	0.26	55.754	15	36.0	52.60	21	36.0	F5	C8	580	C -37 752	
18	10.1	9.9W	55 57.488	-0.0005	21	-30 27 40.16	-0.008	21	0.44	57.497	22	31.9	40.01	21	31.9	F2	C7	694	C -30 685	
19	9.3	8.5W	56 1.109	0.0038	13	-39 35 2.21	0.028	13	0.26	1.056	15	36.0	2.60	21	36.0	K0	C8	581	C -39 597	
20	9.5	9.2W	56 2.641	0.0018	21	-32 14 1.76	-0.067	21	0.44	2.609	22	31.9	0.55	21	31.9	GO	C7	695	C -32 757	
21	10.3		56 3.768	0.0040	13	-35 20 58.17	-0.055	13	0.26	3.713	15	36.0	57.40	21	36.0	F5	C8	582	C -35 685	
22		6.3T	56 14.372	0.0016	07	-33 18 33.38	-0.021	07	0.32	14.301	10	05.8	32.53	10	08.5	G5	GC	2364K	C -33 682	
23	11.2	9.3W	56 17.849	0.0025	13	-37 3 27.43	-0.062	13	0.26	17.814	15	36.0	27.39	21	36.0	K2	L C8	583	C -37 756	
24	10.9	9.6W	56 23.939	-0.0053	13	-35 33 10.12	0.013	13	0.26	24.013	15	36.0	10.30	21	36.0	K5	L C8	584	C -35 688	
25	10.0	9.4W	56 25.708	0.0021	21	-33 28 28.64	-0.004	21	0.44	25.670	22	31.9	28.56	21	31.9	G5	C7	697	C -33 686	
26	8.6	8.6W	56 31.661	-0.0022	21	-32 30 47.75	0.034	21	0.44	31.700	22	31.9	48.36	21	31.9	A5	C7	698	C -32 762	
27	9.9	9.0W	56 33.905	0.0048	21	-32 27 53.34	-0.022	21	0.44	33.819	22	31.9	52.95	21	31.9	G5	C7	699	C -32 763	
28	9.0	8.6W	56 46.087	-0.0005	18	-37 15 31.17	-0.020	18	0.31	46.094	15	36.0	30.90	21	36.0	F5	C8	585	C -37 760	
29	10.7	10.2W	56 49.353	0.0091	21	-31 58 34.34	-0.055	21	0.44	49.189	22	31.9	33.35	21	31.9	G0	L C7	700	C -32 766	
30	9.6	9.1W	57 10.475	0.0001	13	-35 58 52.82	-0.009	13	0.26	10.474	15	36.0	52.75	21	36.0	K0	C8	587	C -36 756	
31	10.5		57 19.153	0.0007	13	-36 12 55.64	0.018	13	0.26	19.144	15	36.0	55.90	21	36.0	F8	L C8	588	C -36 758	
32	9.6	9.1W	57 21.001	-0.0005	21	-33 20 15.62	-0.003	21	0.44	21.010	22	31.9	15.56	21	31.9	G5	C7	701	C -33 690	
33	10.1	9.9W	57 28.241	-0.0011	13	-39 53 29.75	0.003	13	0.26	28.256	15	36.0	29.79	21	36.0	F5	L C8	590	C -40 506	
34	8.6	9.0W	57 28.426	0.0035	21	-34 40 57.18	-0.011	21	0.44	28.362	22	31.9	56.98	21	31.9	A0	C7	702	C -35 693	
35	10.5	9.1W	57 30.102	-0.0000	13	-35 0 3.34	0.004	13	0.26	30.103	15	36.0	3.40	21	36.0	K2	C8	591	C -35 694	
36		7.5T	57 31.914	-0.0012	15	-35 39 42.84	0.041	13	0.72	31.972	18	01.5	44.89	17	99.5	F0	GC	2414	C -36 760	
37	10.0	9.7W	57 33.397	0.0052	18	-38 11 54.87	0.002	18	0.31	33.324	15	36.0	54.90	21	36.0	G0	C8	593	C -38 672	
38	10.8	10.0W	57 33.983	0.0013	21	-31 14 18.22	-0.033	21	0.44	33.958	22	31.9	17.63	21	31.9		C7	703	C -31 815	
39	9.7	9.4W	57 34.534	-0.0030	21	-32 16 31.37	-0.007	21	0.44	34.589	22	31.9	31.25	21	31.9	G0	C7	704	C -32 771	
40	8.9	9.0W	57 42.750	0.0004	18	-37 36 25.16	0.038	18	0.31	42.744	15	36.0	25.70	21	36.0	A2	C8	594	C -37 767	
41	8.8	8.4W	57 46.761	0.0007	21	-31 59 31.18	-0.024	21	0.44	46.749	22	31.9	30.75	21	31.9	G0	C7	705	C -32 772	
42	10.4	10.2W	57 48.850	-0.0072	21	-33 21 19.85	-0.016	21	0.44	48.980	22	31.9	19.56	21	31.9		C7	706	C -33 693	
43	9.9	9.6W	57 55.386	-0.0014	21	-33 33 34.62	-0.041	21	0.44	55.411	22	31.9	33.87	21	31.9	G0	C7	707	C -33 695	
44	8.5	8.6W	57 57.531	0.0013	21	-30 6 28.02	0.016	21	0.44	57.567	22	31.9	28.31	21	31.9	A2	C7	708	C -30 693	
45	10.8	10.7W	57 59.265	0.0010	21	-30 28 53.30	-0.049	21	0.44	59.247	22	31.9	52.41	21	31.9		C7	709	C -30 695	
46	8.4	7.9W	58 6.830	-0.0043	21	-32 19 43.76	-0.045	21	0.44	6.909	22	31.9	42.95	21	31.9	G0	C7	710	C -32 773	
47	9.8	9.5W	58 11.258	0.0028	21	-30 1 13.01	0.061	21	0.44	11.117	22	31.9	14.11	21	31.9	F8	C7	711	C -30 699	
48	8.9	8.7W	58 15.095	0.0004	21	-32 4 32.21	-0.020	21	0.44	15.089	22	31.9	31.85	21	31.9	F5	C7	712	C -32 774	
49	9.1	8.9W	58 19.534	-0.0069	21	-30 39 54.40	-0.032	21	0.44	19.658	22	31.9	53.83	21	31.9	F5	C7	713	C -31 818	
50	10.1	9.8W	58 24.257	0.0001	18	-38 41 16.87	-0.027	18	0.31	24.255	15	36.0	16.49	21	36.0	G0	C8	596	C -39 603	
51	9.5E	8.8H	1 58 32.062	-0.0032	12	-39 54 23.15	-0.012	12	0.67	32.229	28	98.4	22.54	26	98.4	G5	CZ	942	F -40 171	
52	9.9	9.2W	58 36.230	-0.0007	21	-34 39 44.05	0.013	21	0.44	36.242	22	31.9	44.28	21	31.9	K0	C7	714	C -35 702	
53	9.5	9.1W	58 45.089	0.0054	13	-35 53 55.03	-0.002	13	0.26	45.014	15	36.0	55.00	21	36.0	G0	C8	597	C -36 762	
54	9.4	8.3W	58 55.462	0.0047	21	-30 24 30.53	0.032	21	0.44	55.377	22	31.9	31.11	21	31.9	K0	C7	715	C -30 701	
55		5.4T	59 0.799	-0.0082	06	-30 14 28.88	-0.105	05	0.26	1.157	09	06.5	24.10	09	04.5	G5	GC	2443	C* -30 703	
56	10.8	10.5W	59 2.568	0.0027	21	-30 40 9.74	-0.034	21	0.44	2.518	22	31.9	9.13	21	31.9		C7	717	C -31 821	
57	10.6		59 9.562	0.0156	09	-37 19 12.26	-0.140	09	0.22	9.344	15	36.0	10.30	21	36.0	G0	C8	598	C -37 777	
58	10.0	9.5W	59 25.300	0.0062	05	-35 59 6.46	-0.090	05	0.19	25.213	15	36.0	5.20	21	36.0	G0	C8	599	C -36 765	
59	10.5	9.3W	59 33.330	-0.0016	13	-35 27 14.47	-0.041	13	0.26	33.353	15	36.0	13.90	21	36.0	K0	C8	600	C -35 757	
60	9.9	9.6W	59 40.418	0.0005	21	-31 14 6.12	-0.033	21	0.44	40.408	22	31.9	5.53	21	31.9	F0	C7	718	C -31 824	
61	8.7	8.5W	59 43.946	-0.0007	13	-39 33 26.89	0.022	13	0.26	43.956	15	36.0	27.20	21	36.0	F5	C8	601	C -39 609	
62	9.2	9.0W	59 45.220	0.0025	13	-39 2 12.24	0.025	13	0.26	45.185	15	36.0	12.60	21	36.0	F2	C8	602	C -39 608	
63	10.2	9.5W	2 0 0.915	0.0021	21	-30 7 43.95	0.009	21	0.44	0.877	22	31.9	44.11	21	31.9	K0	C7	719	C -30 712	
64	9.9	9.9W	0 6.600	-0.0002	13	-35 14 58.89	-0.014	13	0.26	6.603	15	36.0	58.70	21	36.0	F8	C8	606	C -35 713	
65	10.4	9.7W	0 6.951	0.0022	21	-33 34 18.96	0.012	21	0.44	6.911	22	31.9	19.17	21	31.9	G5	C7	720	C -33 704	
66	9.3	9.0W	0 8.320	-0.0078	21	-33 51 53.21	-0.035	21	0.44	8.461	22	31.9	52.57	21	31.9	G0	C7	721	C -34 777	
67	10.6	9.3W	0 9.162	0.0013	21	-31 37 23.56	-0.056	21	0.44	9.139	22	31.9	22.55	21	31.9	MA	C7	722	C -31 827	
68	10.7	9.4W	0 15.908	0.0026	21	-33 42 18.93	-0.025	21	0.44	15.861	22	31.9	18.47	21	31.9	K2	C7	724	C -34 778	
69	9.5	9.1W	0 28.975	0.0054	21	-30 3 18.22	0.049	21	0.44	28.877	22	31.9	19.11	21	31.9	G0	C7	725	C -30 715	
70	9.2	8.0W	0 30.481	0.0040	21	-30 33 44.68	0.008	21	0.44	30.408	22	31.9	44.83	21	31.9	G5	C7	726	C -30 716	
71	8.9	8.8W	0 30.592	0.0068	06	-39 39 38.44	0.033	06	0.20	30.496	15	36.0	38.90	21	36.0	F5	C8	607	C -40 525	
72	9.7	8.8W	0 32.280	0.0006	21	-30 34 18.61	0.006	21	0.44	32.268	22	31.9	13.73	21	31.9	G5	L C7	727	C -30 717	
73	10.7	10.7W	0 34.888	0.0005	21	-31 17 46.89	-0.031	21	0.44	34.878	22	31.9	46.33	21	31.9	A0	L C7	728	C -31 829	
74	10.1	9.3W	0 39.647	0.0009	21	-32 43 34.54	0.007	21	0.44	39.630	22	31.9	34.66	21	31.9	G5	C7	729	C -33 707	
75	10.5	9.5W	0 42.607	-0.0005	18	-37 9 25.28	-0.020	18	0.31	42.614	15	36.0	25.00	21	36.0	G5	C8	608	C -37 781	
76	10.6		0 58.634	0.0008	08	-36 9 53.18	-0.106	08	0.22	58.624	15	36.0	51.70	21	36.0	G0	C8	610	C -36 774	
77	10.4		1 2.074	-0.0021	13	-35 31 2.83	-0.017	13	0.26	2.103	15	36.0	2.60	21	36.0	F5	C8	611	C -35 718	
78	9.4	8.6W	1 11.400	0.0006	21	-31 10 11.85	-0.051	21	0.44	11.388	22	31.9	10.93	21	31.9	G5	C7	730	C -31 833	
79	10.8	10.6W	1 15.060	0.0013	21	-30 8 35.62	0.027	21	0.44	15.037	22	31.9	36.11	21	31.9		C7	731	C -30 720	
80	11.4		1 15.604	-0.0043	18	-38 2 10.04	-0.046	18	0.31	15.664	15	36.0	9.40	21	36.0	F5	L C8	612	C -38 687	
81	10.8	10.6W	1 17.870	-0.0026	21	-30 19 27.27	0.030	21	0.44	17.917	22	31.9	27.81	21	31.9		C7	732	C -30 721	
82		7.9T	1 24.801	0.0006	11	-37 26 20.93	-0.041	11	0.61	24.772	19	98.6	18.75	18	97.1	F0	GC	2492	C* -37 788	
83	8.7	7.9W	1 48.155	0.0030	21	-32 45 29.21	-0.069	21	0.44	48.100	22	31.9	27.96	21	31.9	G5	C7	734	C -33 714	
84	10.4	9.8W	1 48.819	0.0001	21	-31 48 12.88	-0.052	21	0.44	48.809	22	31.9	11.95	21	31.9	G0	C7	735	C -32 787	
85	9.9	9.8W	2 1.310	-0.0017	21	-32 47 15.27	-0.061	21	0.44	1.340	22	31.9	14.16	21	31.9	G0	C7	736	C -33 715	
86	9.9	9.4W	2 4.904	0.0024	21	-32 43 48.55	-0.060	21	0.44	4.860	22	31.9	47.46	21	31.9	G0	C7	737	C -33 716	
87	10.0	9.8W	2 4.918	-0.0006	21	-30 38 46.21	0.001	21	0.44	4.928	22	31.9	46.23	21	31.9	F5	C7	738	C -31 837	
88	10.1	9.7W	2 6.505	0.0041	21	-33 23 46.22	-0.003	21	0.44	6.430	22	31.9	46.16	21	31.9	G5	C7	739	C -33 717	
89	10.3	9.9W	2 7.320	0.0005	13	-36 20 47.07	0.002	13	0.26	7.313	15	36.0	47.10	21	36.0	K0	C8	614	C -36 778	
90	10.3	10.1W	2 7.945	-0.0021	09	-36 30 32.84	-0.053	09	0.22	7.974	15	36.0	32.10	21	36.0	F5	C8	615	C -36 779	
91	10.6	10.3W	2 21.731	0.0026	18	-36 46 5.94	-0.082	18	0.31	21.694	15	36.0	4.79	21	36.0	G5	C8	616	C -37 795	
92	9.4	8.7W	2 30.408	0.0010	21	-33 19 21.65	0.020	21	0.44	30.390	22	31.9	21.96	21	31.9	G5	C7	740	C -33 718	
93	8.7	7.6W	2 31.669	0.0018	13	-35 30 44.77	-0.027	13	0.26	31.644	15	36.0	44.40	21	36.0	K0	C8	617	C -35 724	
94	10.6	10.2W	2 39.379	0.0001	21	-30 50 35.41	-0.110	21	0.44	39.378	22	31.9	33.43	21	31.9	K0	L C7	741	C -31 839	
95	10.4	10.5W	2 41.554	0.0008	21	-31 2 1.99	-0.026	21	0.44	41.538	22	31.9	1.53	21	31.9	A0	L C7	742	C -31 840	
96	10.4	10.1W	2 50.391	0.0241	18	-38 2 10.62	-0.180	18	0.31	50.054	15	36.0	8.10	21	36.0	G0	C8	618	C -38 697	
97	10.0	9.0W	2 50.791	0.0029	21	-32 2 21.53	-0.071	21	0.44	50.739	22	31.9	20.25	21	31.9	K0	C7	743	C -32 789	
98	10.1	9.9W	3 4.933	-0.0016	13	-38 54 38.01	-0.065	13	0.26	4.955	15	36.0	37.10	21	36.0	G0	C8	619	C -39 622	
99	10.6	9.4W	3 5.279	-0.0010	13	-36 3 26.52	-0.016	13	0.26	5.294	15	36.0	26.30	21	36.0	K5	C8	620	C -36 783	
00	10.0	9.3W	3 16.750	-0.0005	21	-30 49 50.97	0.003	21	0.44	16.758	22	31.9	51.03	21	31.9	G5	C7	744	C -31 843	

193500 — -30° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6	9.6W	2 3 19.097	0.0032	21	-30 32 44.01	-0.034	21	0.44	19.038	22	31.9	44.63	21	31.9	F2	C7	745	C -30 728
2	10.0	9.1W	3 53.259	0.0038	21	-32 58 25.83	-0.042	21	0.44	53.190	22	31.9	25.96	21	31.9	G5	C7	746	C -33 724
3	9.5	9.2W	3 57.531	-0.0028	21	-34 8 2.44	-0.002	21	0.44	57.581	22	31.9	2.47	21	31.9	F8	C7	747	C -34 796
4	9.0	8.8W	4 3.967	0.0002	09	-36 3 3.20	-0.071	09	0.22	3.964	15	36.0	4.20	21	36.0	F5	C8	621	C -36 771
5	9.7	9.5W	4 9.110	-0.0006	21	-32 44 19.53	-0.059	21	0.44	9.120	22	31.9	18.46	21	31.9	F8	C7	748	C -33 726
6		7.3T	4 9.331	-0.0013	08	-39 46 36.56	-0.019	07	0.32	9.385	09	09.7	35.76	09	08.5	M0	GC	2537	C -40 544
7	9.9	9.9W	4 23.399	0.0055	13	-35 3 56.55	-0.011	13	0.26	23.323	15	36.0	56.39	21	36.0	G0	C8	624	C -35 732
8	10.3	9.6W	4 23.815	-0.0009	21	-34 26 35.63	-0.047	21	0.44	23.831	22	31.9	34.77	21	31.9	G5	C7	749	C -34 799
9		7.5T	4 29.657	-0.0028	13	-37 21 22.25	-0.016	12	0.66	29.799	17	00.0	21.41	18	98.5	K0	GC	2545	C*-37 802
10	10.3	10.0W	4 36.147	0.0071	21	-32 9 19.20	-0.064	21	0.44	36.019	22	31.9	18.05	21	31.9	G	C7	750	C -32 798
11	9.7	9.0W	4 36.808	-0.0006	21	-31 17 59.68	0.008	21	0.44	36.818	22	31.9	59.83	21	31.9	G5	C7	751	C -31 848
12	10.5	10.1W	4 37.043	-0.0021	13	-35 29 22.54	-0.003	13	0.26	37.073	15	36.0	22.50	21	36.0	G0	C8	627	C -35 736
13	9.1	7.6W	4 50.346	0.0009	13	-34 59 28.32	-0.037	13	0.26	50.333	15	36.0	27.79	21	36.0	K0	C8	630	C -35 739
14	10.9	10.2W	4 50.437	0.0000	21	-30 24 32.00	0.012	21	0.44	50.437	22	31.9	32.21	21	31.9		C7	752	C -30 736
15	9.3	9.2W	5 0.605	0.0008	18	-38 20 8.84	0.004	18	0.31	0.594	15	36.0	8.90	21	36.0	A2	C8	631	C -38 706
16	10.0	9.0W	5 8.228	-0.0007	21	-32 33 40.41	-0.030	21	0.44	8.240	22	31.9	39.86	21	31.9	K0	C7	753	C -32 800
17	10.9	10.3W	5 12.431	0.0034	13	-36 19 32.52	0.027	13	0.26	12.383	15	36.0	32.90	21	36.0	G0 L	C8	632	C -36 795
18	10.9	10.3W	5 15.984	-0.0014	21	-31 0 23.66	-0.090	21	0.44	16.008	22	31.9	22.03	21	31.9		C7	754	C -31 853
19	10.2	9.5W	5 19.445	0.0044	13	-35 30 22.56	0.024	13	0.26	19.383	15	36.0	22.90	21	36.0	G5	C8	633	C -35 741
20	10.7	9.6W	5 28.554	-0.0009	21	-33 16 57.01	-0.069	21	0.44	28.570	22	31.9	55.76	21	31.9		C7	755	C -33 730
21	9.3	9.1W	5 30.076	0.0008	21	-33 41 29.87	-0.017	21	0.44	30.061	22	31.9	30.17	21	31.9	F5	C7	756	C -34 805
22	9.9	8.9W	5 30.145	0.0006	13	-39 37 48.01	-0.001	13	0.26	30.136	15	36.0	48.00	21	36.0	K5	C8	634	C -39 628
23	9.9	9.7W	5 37.122	-0.0036	21	-31 24 38.68	-0.042	21	0.44	37.188	22	31.9	37.93	21	31.9	G0	C7	757	C -31 855
24	10.3	10.1W	5 41.829	0.0040	08	-35 50 15.43	0.048	08	0.22	41.773	15	36.0	16.10	21	36.0	G0	C8	635	C -36 800
25	9.6	9.7W	5 42.735	-0.0019	21	-30 44 33.91	-0.010	21	0.44	42.768	22	31.9	33.73	21	31.9	A0	C7	758	C -31 856
26	10.7	10.3W	5 44.202	-0.0001	06	-35 49 57.16	-0.126	06	0.20	44.203	15	36.0	55.40	21	36.0	F8	C8	636	C -36 802
27	10.2	9.3W	5 50.746	-0.0020	18	-36 39 49.51	0.006	18	0.31	50.774	15	36.0	49.60	21	36.0	G5	C8	637	C -37 809
28	10.5	10.3W	5 52.048	0.0038	21	-30 31 20.77	0.036	21	0.44	51.978	22	31.9	21.43	21	31.9		C7	759	C -30 745
29	9.7	9.3W	5 58.336	0.0214	21	-32 17 0.88	0.031	21	0.44	57.949	22	31.9	1.45	21	31.9	G0	C7	760	C -32 805
30	10.0	9.8W	6 2.549	0.0021	21	-34 14 15.65	-0.043	21	0.44	2.511	22	31.9	14.87	21	31.9	A5	C7	761	C -34 812
31	10.0	9.8W	6 28.937	0.0021	21	-31 29 1.11	-0.038	21	0.44	28.898	22	31.9	0.43	21	31.9	F5	C7	762	C -31 861
32	10.4	9.8W	6 37.543	0.0078	23	-37 40 56.36	-0.019	23	0.37	37.434	15	36.0	56.10	21	36.0	G0	C8	638	C -38 713
33		7.8T	6 40.716	0.0038	11	-36 3 35.95	0.028	15	0.59	40.516	15	97.5	37.48	15	94.7	K0	GC	2576	C -36 807
34		7.0T	6 45.057	-0.0002	20	-31 58 53.83	-0.012	17	0.88	45.066	22	04.3	53.29	22	02.9	K0	GC	2579	C -32 808
35		8.4T	6 46.083	0.0035	09	-36 1 43.66	0.004	09	0.41	45.933	14	07.3	43.81	15	07.3	F8	GC	2581	C -36 808
36	10.7	10.6W	6 50.048	0.0088	21	-31 4 10.94	-0.084	21	0.44	49.888	22	31.9	9.43	21	31.9		C7	764	C -31 863
37	9.2	7.7W	7 0.703	-0.0003	21	-32 2 45.10	-0.075	21	0.44	0.709	22	31.9	45.75	21	31.9	K5	C7	765	C -32 809
38	10.6	9.6W	7 10.060	-0.0006	21	-33 24 16.64	0.029	21	0.44	10.090	22	31.9	17.16	21	31.9		C7	766	C -33 735
39	9.1	9.0W	7 12.909	0.0044	21	-30 43 28.70	0.018	21	0.44	12.828	22	31.9	29.03	21	31.9	F2	C7	767	C -31 865
40	10.0	9.2W	7 18.040	-0.0021	21	-31 55 51.21	-0.037	21	0.44	18.079	22	31.9	50.55	21	31.9	K5	C7	768	C -32 812
41	10.0	9.7W	7 18.733	0.0002	21	-31 12 28.68	-0.064	21	0.44	18.728	22	31.9	27.53	21	31.9	G5	C7	769	C -31 867
42	9.6	9.4W	7 25.630	0.0047	18	-38 2 21.38	-0.049	18	0.31	25.564	15	36.0	20.70	21	36.0	G0	C8	642	C -38 717
43	10.2	9.8W	7 27.957	0.0038	21	-31 49 30.31	0.013	21	0.44	27.889	22	31.9	30.55	21	31.9	G0	C7	770	C -32 813
44	10.2	10.0W	7 28.236	0.0025	21	-32 50 38.23	-0.042	21	0.44	28.190	22	31.9	37.46	21	31.9	G0	C7	771	C -33 738
45	9.3	8.9W	7 32.100	-0.0027	21	-30 58 46.29	-0.247	21	0.44	32.148	22	31.9	41.83	21	31.9	G5	C7	772	C -31 868
46	9.1	8.9W	7 51.079	0.0034	21	-30 13 52.85	-0.052	21	0.44	51.017	22	31.9	51.91	21	31.9	F5	C7	773	C -30 755
47	9.4	8.8W	7 54.947	0.0192	21	-31 18 10.90	-0.192	21	0.44	54.598	22	31.9	7.43	21	31.9	K0	C7	774	C -31 869
48	10.0	9.5W	7 55.238	-0.0041	13	-39 29 39.21	-0.001	13	0.26	55.295	15	36.0	39.19	21	36.0	G5	C8	644	C -39 637
49	8.8	8.5W	7 58.021	-0.0009	05	-37 36 58.64	0.040	05	0.19	58.034	15	36.0	59.20	21	36.0	F2	C8	646	C -37 819
50	9.8	9.4W	8 13.153	0.0069	21	-31 58 51.83	-0.060	21	0.44	13.029	22	31.9	50.75	21	31.9	G0	C7	775	C -32 815
51	9.2	8.2W	2 8 18.404	0.0008	21	-31 1 46.14	-0.062	21	0.44	18.388	22	31.9	45.03	21	31.9	K0	C7	776	C -31 871
52		7.6T	8 27.208	-0.0016	12	-35 44 43.28	0.001	12	0.64	27.287	17	00.6	43.31	18	98.6	K0	GC	2612	C -36 813
53		7.7T	8 34.734	0.0001	12	-38 36 7.68	-0.056	11	0.61	34.731	19	99.9	4.71	18	97.3	K2	GC	2616	C*-38 725
54	10.9	10.2W	8 35.007	-0.0033	13	-36 9 31.73	-0.024	13	0.26	35.054	15	36.0	31.40	21	36.0	K1 L	C8	649	C -36 814
55	9.9	9.8W	8 41.972	0.0068	21	-30 31 36.97	-0.008	21	0.44	41.848	22	31.9	36.83	21	31.9	G0	C7	777	C -30 761
56	8.5	7.6W	8 43.437	-0.0045	21	-32 17 49.39	-0.058	21	0.44	43.519	22	31.9	48.35	21	31.9	G5	C7	778	C -32 817
57	10.2	8.8W	8 46.227	-0.0020	13	-39 22 18.98	-0.013	13	0.26	46.255	15	36.0	18.80	21	36.0	K2	C8	650	C -39 640
58	10.8	10.5W	8 51.599	0.0040	21	-30 2 51.58	-0.092	21	0.44	51.527	22	31.9	49.91	21	31.9		C7	779	C -30 763
59	10.6	10.6W	8 52.433	0.0031	21	-30 29 55.99	0.012	21	0.44	52.377	22	31.9	56.21	21	31.9		C7	780	C -30 764
60	9.5	9.4W	8 53.846	0.0055	21	-30 27 46.67	0.008	21	0.44	53.747	22	31.9	46.81	21	31.9	F8	C7	781	C -30 766
61	11.2	9.9W	8 54.966	-0.0148	13	-35 54 10.26	-0.226	13	0.26	55.173	15	36.0	7.10	21	36.0	K0	C8	651	C*-36 816
62	10.4	9.5W	9 9.204	0.0061	21	-34 31 17.48	-0.044	21	0.44	9.202	22	31.9	16.68	21	31.9	K2	C7	782	C -34 823
63	9.6	8.5W	9 22.556	0.0036	21	-34 15 41.89	0.005	21	0.44	22.491	22	31.9	41.97	21	31.9	K0	C7	783	C -34 824
64	10.0	9.4W	9 24.237	0.0016	21	-31 34 57.48	-0.013	21	0.44	24.209	22	31.9	57.25	21	31.9	K0	C7	784	C -31 876
65	10.3	10.0W	9 31.135	-0.0012	21	-30 10 52.58	-0.092	21	0.44	31.157	22	31.9	50.91	21	31.9	G2 L	C7	785	C -30 772
66	9.9	9.0W	9 31.438	0.0044	21	-31 37 59.96	-0.012	21	0.44	31.359	22	31.9	59.75	21	31.9	K0	C7	786	C -31 877
67	10.2	10.0W	9 42.504	-0.0007	13	-36 32 41.98	-0.049	13	0.26	42.514	15	36.0	41.30	21	36.0	F8	C8	658	C -36 821
68	8.9	8.7W	9 50.351	0.0028	21	-32 33 49.18	-0.001	21	0.44	50.300	22	31.9	49.16	21	31.9	F0	C7	787	C -32 822
69	10.1	9.4W	10 4.373	0.0018	21	-33 5 11.97	-0.083	21	0.44	4.340	22	31.9	10.46	21	31.9	K0	C7	789	C -33 746
70	11.3		10 6.745	0.0015	18	-37 10 25.43	-0.038	18	0.31	6.724	15	36.0	24.90	21	36.0	G2 L	C8	659	C -37 832
71	10.3	9.7W	10 8.499	0.0018	13	-35 39 15.59	0.015	13	0.26	8.474	15	36.0	15.79	21	36.0	G0	C8	660	C -36 822
72	11.1		10 18.106	0.0001	30	-37 59 7.63	-0.052	30	0.46	18.104	15	36.0	6.90	21	36.0	F8 L	C8	661	C -38 738
73		5.2H	10 42.374	0.0015	02	-30 57 27.38	0.010	02	0.09	42.315	04	09.6	27.73	04	13.8	A0	F4	78	C -31 882
74		7.1T	10 43.113	0.0055	12	-34 46 20.37	-0.007	11	0.60	42.841	15	00.6	20.02	17	98.4	K0	GC	2664	C -35 767
75	9.4	9.3W	10 43.884	0.0047	21	-30 55 14.21	-0.027	21	0.44	43.798	22	31.9	13.73	21	31.9		C7	792	C -31 883
76	10.3	10.2W	10 45.864	-0.0002	21	-30 33 44.35	0.004	21	0.44	45.868	22	31.9	44.43	21	31.9	F8 L	C7	793	C -30 782
77	9.8	10.0W	10 53.704	0.0058	23	-35 49 52.85	-0.047	23	0.37	53.623	15	36.0	52.20	21	36.0	A0	C8	664	C -36 828
78	10.5	9.7W	11 6.405	-0.0035	09	-38 0 13.60	-0.107	09	0.22	6.454	15	36.0	12.10	21	36.0	F5	C8	665	C -38 743
79	9.8	8.6W	11 7.939	0.0011	13	-36 38 41.40	-0.000	13	0.26	7.924	15	36.0	41.40	21	36.0	K0	C8	666	C -36 831
80		7.5T	11 10.665	0.0006	13	-36 17 39.39	-0.009	12	0.64	10.635	14	00.3	38.91	15	99.2	K0	GC	2679	C -36 832
81	10.4	9.9W	11 12.548	-0.0026	13	-36 37 34.59	-0.035	13	0.26	12.584	15	36.0	34.10	21	36.0	K2 L	C8	668	C -36 833
82	10.2	9.6W	11 19.901	0.0028	21	-33 27 37.95	-0.016	21	0.44	19.850	22	31.9	37.66	21	31.9	G2 L	C7	794	C -33 755
83		7.0T	11 20.738	0.0027	12	-33 34 8.13	0.012	11	0.61	20.598	18	98.8	8.78	18	96.9	K0	GC	2680	C*-33 756
84	10.2	10.1W	11 27.021	-0.0010	21	-31 14 26.22	-0.055	21	0.44	27.038	22	31.9	25.23	21	31.9	G5	C7	796	C -31 884
85	9.8	10.2W	11 29.072	-0.0014	21	-30 7 7.85	-0.035	21	0.44	29.097	22	31.9	7.21	21	31.9	A0	C7	797	C -30 787
86	10.6	10.4W	11 42.152	-0.0022	13	-36 26 22.45	0.018	13	0.26	42.183	15	36.0	22.70	21	36.0	G5 L	C8	670	C -36 837
87	10.5	10.0W	12 1.548	-0.0005	18	-38 40 52.94	-0.039	18	0.31	1.555	15	36.0	52.39	21	36.0	G0	C8	671	C -39 652
88	11.0		12 6.268	0.0010	09	-37 22 25.54	-0.010	09	0.22	6.254	15	36.0	25.40	21	36.0	G2 L	C8	672	C -37 841
89	10.9	9.9W	12 8.456	0.0015	21	-32 24 50.80	-0.053	21	0.44	8.429	22	31.9	49.85	21	31.9	G0	C7	798	C -32 831
90	10.2	9.3W	12 9.364	-0.0008	21	-31 33 16.69	-0.019	21	0.44	9.379	22	31.9	16.35	21	31.9	K0	C7	799	C -31 891
91	9.6	9.1W	12 13.931	0.0176	05	-37 20 27.77	0.052	05	0.19	13.684	15	36.0	28.50	21	36.0	G5	C8	674	C -37 844
92	9.6	9.5W	12 16.070	0.0054	21	-34 32 53.49	-0.039	21	0.44	15.972	22	31.9	52.78	21	31.9	F8	C7	800	C -34 835
93	10.3	10.0W	12 23.459	0.0061	09	-37 19 30.17	-0.034	09	0.22	23.374	15	36.0	29.70	21	36.0	G0	C8	676	C -37 847
94	9.2	9.2W	12 24.382	0.0021	13	-35 24 23.95	-0.025	13	0.26	24.353	15	36.0	23.60	21	36.0	F2	C8	677	C -35 779
95	9.8	9.7W	12 28.445	-0.0034	13	-35 44 30.95	0.032	13	0.26	28.493	15	36.0	31.40	21	36.0	F8	C8	678	C -36 844
96	10.3	9.6W	12 34.502	-0.0010	21	-33 2 11.60	-0.035	21	0.44	34.520	22	31.9	10.96	21	31.9	K0	C7	801	C -33 763
97		7.5T	12 42.631	-0.0015	17	-37 45 54.53	-0.036	13	0.76	42.703	18	02.8	52.73	19	00.4	K0	GC	2703	C -38 755
98	9.9	9.6W	12 50.643	0.0013	13	-39 18 17.22	0.020	13	0.26	50.625	15	36.0	17.50	21	36.0	G0	C8	680	C -39 659
99	10.2	10.1W	12 52.333	-0.0031	21	-30 32 18.57	-0.019	21	0.44	52.388	22	31.9	18.23	21	31.9	G0	C7	803	C -30 793
00	8.5	8.2W	13 2.842	0.0157	05	-35 21 9.05	-0.004	05	0.19	2.623	15	36.0	00.00	21	36.0	F5	C8	682	C -35 782

193600	EPOCH 1950										ORIGINAL EPOCH							SP.	SOURCE		-30° 2H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1	10.2	9.5W	2 13 5.304	0.0003	21	-32 20 41.06	-0.045	21	0.44		5.299	22	31.9	40.25	21	31.9	K5	C7	805	C -32 834	
2	10.6	10.6W	13 5.425	0.0093	21	-30 17 59.37	0.041	21	0.44		5.257	22	31.9	+ 0.11	21	31.9	G	C7	804	C -30 794	
3	9.0	8.2W	13 6.311	-0.0005	21	-32 41 54.00	-0.013	21	0.44		6.320	22	31.9	53.76	21	31.9	G5	C7	806	C -33 765	
4		7.9T	13 7.084	0.0067	12	-36 33 10.10	0.021	11	0.61		6.763	19	01.8	11.15	18	99.6	K0	GC	2714	C*-36 847	
5	10.0	10.3W	13 10.999	-0.0033	21	-31 7 6.58	-0.036	21	0.44		11.058	22	31.9	5.93	21	31.9	A0	C7	807	C -31 902	
6	10.1	9.7W	13 18.542	0.0045	21	-33 1 31.92	-0.025	21	0.44		18.460	22	31.9	31.46	21	31.9	G2	L C7	808	C -33 767	
7	9.6	8.6W	13 21.777	0.0009	21	-33 59 46.79	-0.012	21	0.44		21.761	22	31.9	46.57	21	31.9	K5	C7	809	C -34 840	
8	10.3	10.1W	13 36.771	-0.0032	21	-32 10 17.41	-0.081	21	0.44		36.829	22	31.9	15.95	21	31.9	G0	C7	810	C -32 837	
9	9.4	8.5W	13 39.198	0.0026	21	-33 59 34.79	0.038	21	0.44		39.151	22	31.9	35.47	21	31.9	G5	C7	811	C -34 842	
10	10.4	10.0W	13 45.025	0.0020	21	-30 38 6.79	-0.059	21	0.44		44.988	22	31.9	5.73	21	31.9	G0	C7	812	C -30 797	
11	7.9	7.5W	13 55.216	0.0080	06	-36 42 6.33	-0.131	06	0.20		55.104	15	36.0	4.50	21	36.0	F5	C8	686	C -37 862	
12	9.8	9.9W	13 55.233	-0.0016	18	-38 41 35.37	-0.012	18	0.31		55.255	15	36.0	35.20	21	36.0	A0	C8	687	C -39 662	
13	10.5	10.3W	13 59.484	0.0031	21	-31 35 19.21	-0.026	21	0.44		59.429	22	31.9	18.75	21	31.9	G0	L C7	813	C -31 905	
14	10.1	9.4W	14 3.602	0.0013	13	-38 5 4.73	-0.002	13	0.26		3.584	15	36.0	4.70	21	36.0	G0	C8	688	C -38 759	
15	10.4	10.0W	14 16.728	0.0025	13	-36 23 29.15	-0.018	13	0.26		16.693	15	36.0	28.90	21	36.0	G0	L C8	689	C -36 852	
16	10.2	10.2W	14 28.901	0.0046	21	-31 40 24.70	-0.025	21	0.44		28.819	22	31.9	24.25	21	31.9	G0	C7	814	C -32 841	
17	9.4	9.2W	14 34.716	0.0074	06	-35 12 43.52	0.041	06	0.20		34.613	15	36.0	44.10	21	36.0	F8	C8	690	C -35 795	
18	9.3	8.9W	14 46.950	0.0011	21	-33 13 39.13	-0.053	21	0.44		46.930	22	31.9	38.16	21	31.9	G0	C7	815	C*-33 773	
19	10.0	9.5W	14 57.142	-0.0015	21	-30 40 28.57	-0.058	21	0.44		57.168	22	31.9	27.53	21	31.9	G5	C7	816	C -31 914	
20	10.4	10.3W	15 5.719	-0.0011	21	-31 21 23.66	0.009	21	0.44		5.738	22	31.9	23.83	21	31.9	F8	L C7	817	C -31 917	
21	10.4	10.0W	15 7.186	0.0087	21	-30 59 28.83	0.005	21	0.44		7.028	22	31.9	28.93	21	31.9	G2	L C7	818	C -31 918	
22		6.7T	15 12.746	0.0140	03	-36 12 51.20	0.054	03	0.14		12.221	07	12.5	53.10	06	14.7	G5	F4	1062	C -36 859	
23	7.9	7.7W	15 15.382	-0.0015	21	-30 57 9.70	-0.109	21	0.44		15.408	22	31.9	7.73	21	31.9	F5	C7	819	C*-31 920	
24	10.0	8.6W	15 15.958	0.0003	18	-37 21 56.67	0.023	18	0.31		15.954	15	36.0	57.00	21	36.0	K2	C8	694	C -37 866	
25	10.1	9.2W	15 33.421	0.0022	21	-33 36 44.31	-0.074	21	0.44		33.381	22	31.9	42.97	21	31.9	K2	C7	820	C -33 779	
26	9.6	8.7W	15 43.601	0.0018	21	-30 41 55.98	-0.014	21	0.44		43.568	22	31.9	55.73	21	31.9	K2	C7	821	C -31 922	
27	9.4	9.1W	15 48.924	-0.0002	21	-30 3 24.71	-0.066	21	0.44		48.927	22	31.9	23.51	21	31.9	G5	C7	822	C -30 811	
28	9.4	8.4W	15 51.210	0.0001	21	-31 35 55.86	-0.056	21	0.44		51.209	22	31.9	54.85	21	31.9	K0	C7	823	C -31 924	
29	10.3	9.3W	15 59.006	0.0036	09	-38 51 47.92	-0.016	09	0.22		58.955	15	36.0	47.70	21	36.0	K0	C8	699	C -39 670	
30	10.1	9.9W	16 2.115	0.0003	21	-31 19 6.92	-0.016	21	0.44		2.108	22	31.9	6.63	21	31.9	G0	C7	824	C -31 925	
31	9.3	8.3W	16 3.628	-0.0017	21	-31 1 9.74	0.010	21	0.44		3.658	22	31.9	9.93	21	31.9	K0	C7	825	C -31 926	
32	11.0		16 12.141	-0.0003	18	-38 44 50.58	-0.020	18	0.31		12.145	15	36.0	50.30	21	36.0	G0	L C8	701	C -39 671	
33	10.8	10.0W	16 13.208	-0.0006	21	-30 39 18.63	0.022	21	0.44		13.218	22	31.9	19.03	21	31.9	K0	L C7	826	C -31 928	
34	9.8	9.4W	16 13.405	0.0018	21	-34 41 40.15	-0.026	21	0.44		13.372	22	31.9	39.68	21	31.9	F8	C7	827	C -35 800	
35	10.5	9.7W	16 13.706	0.0009	13	-35 59 17.03	-0.024	13	0.26		13.694	15	36.0	16.70	21	36.0	K0	C8	702	C -36 868	
36	10.4	9.5W	16 24.967	0.0009	21	-33 16 46.53	-0.053	21	0.44		24.950	22	31.9	45.56	21	31.9	G5	L C7	830	C -33 785	
37	10.4	8.8W	16 26.149	0.0018	18	-38 9 9.72	-0.016	18	0.31		26.124	15	36.0	9.50	21	36.0	K2	C8	704	C -38 769	
38	10.6	10.4W	17 1.372	-0.0080	18	-37 7 11.94	-0.039	18	0.31		1.484	15	36.0	11.39	21	36.0	G0	C8	705	C -37 876	
39	10.4	9.9W	17 4.877	-0.0008	21	-34 18 52.58	-0.050	21	0.44		4.891	22	31.9	51.67	21	31.9	G0	C7	831	C -34 856	
40		7.9T	17 22.474	0.0072	14	-39 12 24.02	-0.007	10	0.65		22.118	17	00.4	23.62	18	95.7	K0	GC	2803	C -39 679	
41	10.0	9.4W	17 26.667	-0.0002	21	-32 35 7.37	-0.089	21	0.44		26.670	22	31.9	5.76	21	31.9	G5	C7	832	C -32 851	
42	9.4	7.8W	17 31.733	-0.0021	21	-33 50 54.89	0.021	21	0.44		31.771	22	31.9	55.27	21	31.9	MA	C7	833	C -34 858	
43	9.6	9.2W	17 35.450	-0.0021	21	-32 21 49.23	-0.082	21	0.44		35.489	22	31.9	47.75	21	31.9	G0	C7	834	C -32 853	
44		8.2T	17 41.644	-0.0069	12	-35 40 30.68	0.016	12	0.65		41.984	17	00.6	31.46	18	99.9	G5	GC	2814K	C*-36 874	
45	9.6	9.8W	17 59.498	-0.0027	13	-39 45 10.19	-0.021	13	0.26		59.536	15	36.0	9.89	21	36.0	A0	C8	709	C -40 589	
46	10.2	10.0W	17 59.942	0.0033	21	-34 45 26.23	-0.036	21	0.44		59.882	22	31.9	25.58	21	31.9	G0	L C7	835	C -35 806	
47	10.5	10.1W	18 4.788	-0.0040	18	-36 38 45.87	0.016	18	0.31		4.844	15	36.0	46.10	21	36.0	F2	L C8	710	C -36 877	
48	9.0	8.3W	18 15.654	0.0035	21	-32 40 26.55	0.001	21	0.44		15.590	22	31.9	26.56	21	31.9	G5	C7	836	C -33 796	
49	9.9	9.3W	18 17.907	-0.0011	21	-30 23 51.77	-0.042	21	0.44		17.927	22	31.9	51.01	21	31.9	G5	C7	837	C -30 828	
50	9.7	8.7W	18 23.411	0.0035	13	-35 20 23.42	-0.009	13	0.26		23.363	15	36.0	23.30	21	36.0	K0	C8	711	C -35 809	
51	10.9	9.8W	2 18 39.257	-0.0012	21	-31 9 51.53	0.005	21	0.44		39.278	22	31.9	51.63	21	31.9	K0	L C7	838	C -31 938	
52	9.5	8.7W	18 39.392	0.0183	05	-39 15 42.36	-0.033	05	0.19		39.135	15	36.0	41.89	21	36.0	K0	C8	712	C -39 684	
53	10.4	9.9W	18 47.929	0.0124	13	-39 8 56.02	-0.073	13	0.26		47.755	15	36.0	55.00	21	36.0	G5	C8	713	C -39 685	
54	9.9	9.2W	18 53.306	-0.0003	21	-34 6 55.30	-0.018	21	0.44		53.311	22	31.9	54.97	21	31.9	G5	C7	839	C -34 864	
55	10.1	10.0W	19 1.286	0.0036	08	-39 23 56.72	0.041	08	0.22		1.235	15	36.0	57.30	21	36.0	G0	C8	715	C -39 686	
56	11.2		19 4.208	-0.0010	18	-35 20 0.75	-0.011	18	0.31		4.223	15	36.0	0.60	21	36.0	K0	L C8	716	C -35 811	
57	9.6	9.2W	19 9.541	0.0128	21	-30 46 17.76	-0.339	21	0.44		9.308	22	31.9	11.63	21	31.9	G5	C7	841	C -31 942	
58	10.4	9.9W	19 10.928	0.0028	21	-30 10 4.72	0.033	21	0.44		10.877	22	31.9	5.31	21	31.9	G5	C7	843	C -30 836	
59	9.4	8.8W	19 11.229	0.0431	21	-31 9 47.29	0.096	21	0.44		10.448	22	31.9	49.03	21	31.9	K0	C7	842	C -31 943	
60	9.0	8.7W	19 17.680	0.0097	06	-37 14 7.64	-0.032	06	0.20		17.544	15	36.0	7.20	21	36.0	F5	C8	717	C -37 887	
61	10.1	9.5W	19 30.974	-0.0056	09	-35 3 48.57	-0.105	09	0.22		31.053	15	36.0	47.10	21	36.0	K0	C8	721	C -35 812	
62	10.6	10.4W	19 31.789	-0.0067	13	-35 29 17.64	-0.003	13	0.26		31.883	15	36.0	17.60	21	36.0	G5	L C8	723	C -35 813	
63	10.8	9.8W	19 40.093	-0.0000	13	-36 15 54.26	-0.040	13	0.26		40.093	15	36.0	53.70	21	36.0	K2	L C8	724	C -36 890	
64	9.2	8.4W	19 49.455	0.0014	13	-38 56 0.53	0.012	13	0.26		49.435	15	36.0	0.70	21	36.0	G5	C8	725	C -39 689	
65	10.3	9.2W	19 51.331	0.0012	13	-38 8 39.45	-0.018	13	0.26		51.314	15	36.0	39.20	21	36.0	K2	C8	726	C -38 790	
66	9.3	9.2W	19 52.130	-0.0025	13	-39 12 13.11	-0.008	13	0.26		52.165	15	36.0	13.00	21	36.0	A2	C8	727	C -39 690	
67	8.9	7.8W	20 1.219	0.0061	06	-36 19 59.77	-0.062	06	0.20		1.133	15	36.0	58.90	21	36.0	K0	C8	728	C -36 893	
68	10.1	9.2W	20 4.834	-0.0002	21	-31 16 25.28	-0.003	21	0.44		4.838	22	31.9	25.23	21	31.9	K5	C7	845	C -31 949	
69	12.3E	9.5Z	20 7.353	0.0011	12	-39 58 47.21	-0.013	12	0.67		7.299	28	98.2	46.53	26	98.2		CZ	1110		
70	8.5	8.3W	20 12.229	0.0027	21	-33 10 45.42	-0.014	21	0.44		12.180	22	31.9	45.16	21	31.9	F5	C7	846	C -33 806	
71	10.7	9.7W	20 13.386	0.0016	13	-38 8 46.82	-0.023	13	0.26		13.364	15	36.0	46.50	21	36.0	K0	C8	730	C -38 793	
72	10.5	10.1W	20 27.566	-0.0018	21	-32 13 26.96	-0.023	21	0.44		27.599	22	31.9	26.55	21	31.9	G5	L C7	847	C -32 864	
73	10.0	9.9W	20 29.766	-0.0001	21	-32 18 17.33	-0.038	21	0.44		29.769	22	31.9	16.65	21	31.9	G5	C7	848	C -32 866	
74		7.8T	20 33.439	0.0003	16	-39 38 26.50	-0.003	11	0.70		33.426	18	02.6	26.32	18	98.3	K0	GC	2867	C*-39 695	
75	9.4	8.9W	20 41.148	0.0028	21	-30 8 27.65	-0.013	21	0.44		41.097	22	31.9	27.41	21	31.9	K0	C7	849	C -30 848	
76	9.5	8.9W	20 41.337	0.0009	21	-32 33 45.37	-0.039	21	0.44		41.320	22	31.9	44.66	21	31.9	K0	C7	850	C -32 867	
77	9.6	8.7W	20 42.980	0.0018	18	-36 42 48.37	0.009	18	0.31		42.954	15	36.0	48.50	21	36.0	K2	C8	733	C -37 899	
78	9.0	8.0W	20 45.070	0.0012	21	-31 37 39.89	-0.041	21	0.44		45.049	22	31.9	39.15	21	31.9	K0	C7	851	C -31 953	
79		6.6T	21 2.781	-0.0016	08	-37 48 8.71	-0.033	07	0.49		2.875	17	92.1	6.68	15	88.9	K2	GC	2875	C*-38 797	
80		6.9T	21 3.472	-0.0064	10	-30 5 41.02	-0.109	08	0.50		3.806	15	98.0	34.63	15	91.4	F8	GC	2876K	C*-30 852	
81	10.5	9.6W	21 14.479	0.0026	13	-36 17 44.34	0.004	13	0.26		14.443	15	36.0	44.40	21	36.0	K1	L C8	735	C -36 898	
82	10.2	9.7W	21 14.745	0.0042	21	-30 42 22.01	0.045	21	0.44		14.668	22	31.9	22.83	21	31.9	G5	L C7	854	C -31 955	
83	9.0	9.0W	21 15.656	-0.0003	21	-34 18 32.47	-0.022	21	0.44		15.661	22	31.9	32.07	21	31.9	F0	C7	855	C -34 882	
84	9.3	8.9W	21 20.396	0.0001	05	-38 9 1.31	-0.201	05	0.19		20.394	15	36.0	-58.49	21	36.0	G5	C8	736	C -38 798	
85	10.1	10.0W	21 28.123	-0.0009	21	-30 59 2.51	-0.093	21	0.44		28.138	22	31.9	0.83	21	31.9	F8	C7	856	C -31 956	
86	9.9	9.5W	21 49.989	-0.0012	21	-34 20 2.66	-0.132	21	0.44		50.011	22	31.9	0.27	21	31.9	F8	C7	857	C -34 885	
87	9.9	9.8W	21 52.895	0.0031	21	-31 18 42.28	-0.014	21	0.44		52.838	22	31.9	42.03	21	31.9	F8	C7	858	C -31 958	
88	10.8	10.2W	21 54.962	0.0013	21	-31 10 11.94	-0.045	21	0.44		54.938	22	31.9	11.13	21	31.9	G5	L C7	859	C -31 960	
89	10.0	10.0W	22 1.837	0.0009	18	-37 33 24.17	0.016	18	0.31		1.824	15	36.0	24.40	21	36.0	F5	L C8	738	C -37 910	
90		7.0T	22 22.543	-0.0027	12	-37 35 11.13	-0.031	11	0.65		22.683	18	98.8	9.48	18	97.2	F5	GC	2906	C -37 915	
91	9.4	9.0W	22 33.010	0.0091	06	-35 0 14.59	0.008	06	0.20		32.883	15	36.0	14.70	21	36.0	G0	C8	742	C -35 830	
92	8.0	8.0W	22 37.413	0.0053	21	-30 5 19.44	-0.007	21	0.44		37.317	22	31.9	19.31	21	31.9	F5	C7	860	C -30 862	
93	9.6	9.0W	22 39.328	-0.0129	21	-33 42 53.22	-0.135	21	0.44		39.561	22	31.9	50.77	21	31.9	G0	C7	861	C -34 889	
94	9.3	8.0W	22 53.326	-0.0005	13	-36 6 32.71	-0.022	13	0.26		53.333	15	36.0	32.40	21	36.0	K0	C8	745	C -36 908	
95	9.8	8.8W	22 54.179	0.0001	21	-30 35 4.16	0.031	21	0.44		54.178	22	31.9	4.73	21	31.9	K0	C7	862	C -30 863	
96	9.5	9.4W	22 57.339	-0.0040	13	-38 54 47.55	-0.011	13	0.26		57.395	15	36.0	47.40	21	36.0	F5	C8	746	C -39 701	
97	9.3	9.0W	22 58.485	0.0101	21	-34 47 40.56	0.029	21	0.44		58.302	22	31.9	41.08	21	31.9	G0	C7	863	C -35 833	
98	10.8	10.3W	23 6.475	0.0042	21	-31 1 59.61	0.001	21	0.44		6.398	22	31.9	59.63	21	31.9	G5	L C7	864	C -31 968	
99			23 19.701	0.0012	18	-38 26 35.69	0.029	18	0.31		19.684	15	36.0	36.10	21	36.0		C8	748	C -38 808	
00	10.0	9.0W	23 20.696	0.0031	21	-32 56 54.68	-0.034	21	0.44		20.640	22	31.9	54.06	21	31.9	K0	C7	865	C -33 820	

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| EPOCH 1950 | | | | | | | | | | | | ORIGINAL EPOCH | | | | | | | SP. | SOURCE | | -30° 2H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | MAGNITUDES | | α_{1950} | μ | σ_μ | δ_{1950} | μ' | σ'_μ | σ_{1950} | α_2 | σ | ep. | δ_2 | σ' | ep. | | CAT. | STAR NUMBER | DM NUMBER |
| | m_{pg} | m_v | h m s | s | ″.001 | ° ′ ″ | ″ | ″.001 | ″ | s | ″.01 | | ″ | ″.01 | | | | | |
| 1 | | 8.1T | 2 23 20.920 | 0.0005 | 12 | -34 16 36.69 | 0.025 | 12 | 0.62 | 20.894 | 14 | 00.4 | 37.95 | 15 | 99.8 | A3 | GC | 2926 | C -34 892 |
| 2 | 9.5 | 8.8W | 23 28.012 | 0.0024 | 21 | -32 1 23.62 | -0.004 | 21 | 0.44 | 27.969 | 22 | 31.9 | 23.55 | 21 | 31.9 | G5 | C7 | 867 | C -32 878 |
| 3 | 9.3 | 8.5W | 23 29.067 | 0.0059 | 21 | -33 24 11.96 | -0.000 | 21 | 0.44 | 28.960 | 22 | 31.9 | 11.96 | 21 | 31.9 | G5 | C7 | 868 | C -33 823 |
| 4 | 9.5 | 9.2W | 23 29.426 | 0.0025 | 21 | -33 3 34.47 | -0.094 | 21 | 0.44 | 29.380 | 22 | 31.9 | 32.76 | 21 | 31.9 | G0 | C7 | 869 | C -33 822 |
| 5 | 9.3 | 8.5W | 23 41.677 | -0.0019 | 15 | -37 31 13.00 | 0.028 | 15 | 0.28 | 41.704 | 15 | 36.0 | 13.39 | 21 | 36.0 | K0 | C8 | 749 | C -37 922 |
| 6 | 10.7 | 9.2W | 24 10.460 | -0.0002 | 13 | -34 55 32.85 | -0.025 | 13 | 0.26 | 10.463 | 15 | 36.0 | 32.49 | 21 | 36.0 | G5 | C8 | 750 | C -35 846 |
| 7 | 9.9 | 9.0W | 24 20.328 | -0.0035 | 21 | -33 50 15.81 | -0.002 | 21 | 0.43 | 20.391 | 22 | 32.0 | 15.77 | 21 | 32.0 | G5 | C7 | 870 | C -34 900 |
| 8 | 9.3 | 9.0W | 24 28.184 | 0.0008 | 13 | -35 54 56.10 | -0.043 | 13 | 0.26 | 28.174 | 15 | 36.0 | 55.50 | 21 | 36.0 | F5 | C8 | 751 | C -36 915 |
| 9 | 9.8 | 9.3W | 24 34.630 | 0.0027 | 21 | -33 57 40.71 | -0.041 | 21 | 0.43 | 34.581 | 22 | 32.0 | 39.97 | 21 | 32.0 | G0 | C7 | 871 | C -34 901 |
| 10 | 9.4 | 8.5W | 24 38.516 | 0.0021 | 21 | -31 45 43.02 | -0.060 | 21 | 0.43 | 38.479 | 22 | 32.0 | 41.95 | 21 | 32.0 | K2 | C7 | 872 | C -32 883 |
| 11 | 10.6 | | 24 40.400 | 0.0047 | 18 | -37 21 42.99 | 0.065 | 18 | 0.31 | 40.334 | 15 | 36.0 | 43.90 | 21 | 36.0 | G0 L | C8 | 753 | C -37 926 |
| 12 | 9.6 | 8.3W | 24 42.422 | -0.0003 | 05 | -39 48 39.87 | -0.012 | 05 | 0.19 | 42.426 | 15 | 36.0 | 39.70 | 21 | 36.0 | K2 | C8 | 754 | C -40 619 |
| 13 | 9.3 | 9.1W | 24 50.677 | 0.0017 | 06 | -36 28 28.74 | -0.103 | 06 | 0.20 | 50.654 | 15 | 36.0 | 27.30 | 21 | 36.0 | G0 | C8 | 755 | C -36 918 |
| 14 | 10.1 | 9.9W | 24 57.613 | -0.0001 | 13 | -37 10 0.80 | -0.043 | 13 | 0.26 | 57.614 | 15 | 36.0 | 0.20 | 21 | 36.0 | F8 L | C8 | 756 | C -37 928 |
| 15 | 10.0 | 9.1W | 24 59.667 | 0.0031 | 13 | -36 23 40.64 | -0.003 | 13 | 0.26 | 59.623 | 15 | 36.0 | 40.60 | 21 | 36.0 | K2 | C8 | 757 | C -36 920 |
| 16 | 9.9 | 9.1W | 25 4.925 | 0.0030 | 21 | -33 30 59.01 | -0.035 | 21 | 0.43 | 4.871 | 22 | 32.0 | 58.37 | 21 | 32.0 | G5 | C7 | 873 | C -33 829 |
| 17 | 11.6 | 11.0W | 25 15.940 | 0.0040 | 21 | -31 47 21.63 | 0.023 | 21 | 0.43 | 15.869 | 22 | 32.0 | 22.05 | 21 | 32.0 | | C7 | 874 | C -32 886 |
| 18 | 10.5 | | 25 19.957 | 0.0030 | 18 | -38 34 5.93 | -0.052 | 18 | 0.31 | 19.915 | 15 | 36.0 | 5.20 | 21 | 36.0 | G0 | C8 | 758 | C -38 820 |
| 19 | 11.3 | | 25 32.400 | -0.0003 | 23 | -38 10 18.87 | -0.055 | 23 | 0.37 | 32.404 | 15 | 36.0 | 18.10 | 21 | 36.0 | F8 L | C8 | 759 | C -38 822 |
| 20 | | 7.7T | 25 35.463 | 0.0023 | 13 | -34 7 11.58 | 0.016 | 11 | 0.65 | 35.347 | 15 | 00.4 | 12.43 | 18 | 97.6 | F8 | GC | 2962 | C -34 903 |
| 21 | 8.9 | 8.6W | 25 44.486 | 0.0044 | 18 | -36 55 1.52 | -0.009 | 18 | 0.31 | 44.424 | 15 | 36.0 | 1.40 | 21 | 36.0 | F5 | C8 | 761 | C -37 934 |
| 22 | 9.0 | 7.5W | 25 49.060 | 0.0017 | 21 | -30 39 52.39 | -0.020 | 21 | 0.43 | 49.028 | 22 | 32.0 | 52.03 | 21 | 32.0 | MA | C7 | 877 | C -31 984 |
| 23 | | 5.2T | 25 54.739 | 0.0011 | 05 | -34 2 3.17 | 0.010 | 05 | 0.25 | 54.688 | 09 | 05.0 | 3.66 | 10 | 01.3 | A2 | GC | 2967 | C# -34 905 |
| 24 | | 7.3T | 26 11.942 | 0.0021 | 14 | -36 33 50.80 | 0.017 | 10 | 0.65 | 11.842 | 19 | 01.9 | 51.68 | 18 | 97.4 | K2 | GC | 2970 | C -36 930 |
| 25 | 10.5 | 9.7W | 26 18.972 | 0.0057 | 09 | -35 0 15.72 | -0.052 | 09 | 0.22 | 18.893 | 15 | 36.0 | 15.00 | 21 | 36.0 | K0 | C8 | 765 | C -35 853 |
| 26 | 11.4 | 11.0W | 26 24.346 | -0.0001 | 21 | -31 47 57.32 | -0.043 | 21 | 0.43 | 24.349 | 22 | 32.0 | 56.55 | 21 | 32.0 | | C7 | 881 | C -32 890 |
| 27 | | 6.1T | 26 26.127 | -0.0029 | 07 | -31 19 29.83 | -0.015 | 05 | 0.29 | 26.250 | 10 | 07.8 | 29.13 | 10 | 04.2 | G5 | GC | 2976 | C -31 990 |
| 28 | 10.0 | 9.1W | 26 27.131 | 0.0006 | 21 | -33 9 8.22 | -0.003 | 21 | 0.43 | 27.120 | 22 | 32.0 | 8.16 | 21 | 32.0 | G5 | C7 | 883 | C -33 840 |
| 29 | 10.2 | 9.9W | 26 33.058 | 0.0011 | 21 | -31 41 19.47 | -0.018 | 21 | 0.43 | 33.039 | 22 | 32.0 | 19.15 | 21 | 32.0 | G0 | C7 | 884 | C -32 892 |
| 30 | 9.7 | 9.2W | 26 34.229 | 0.0072 | 21 | -31 26 59.20 | -0.093 | 21 | 0.43 | 34.098 | 22 | 32.0 | 57.53 | 21 | 32.0 | G0 | C7 | 885 | C -31 992 |
| 31 | 9.1 | 8.9W | 26 41.988 | -0.0041 | 13 | -39 10 58.74 | 0.011 | 13 | 0.26 | 42.045 | 15 | 36.0 | 58.90 | 21 | 36.0 | F5 | C8 | 766 | C -39 716 |
| 32 | 10.4 | 10.1W | 26 51.570 | 0.0056 | 21 | -30 39 7.66 | -0.063 | 21 | 0.43 | 51.468 | 22 | 32.0 | 6.53 | 21 | 32.0 | G0 | C7 | 886 | C -30 894 |
| 33 | 9.7 | 9.4W | 26 51.695 | -0.0013 | 13 | -35 54 29.42 | -0.059 | 13 | 0.26 | 51.713 | 15 | 36.0 | 28.60 | 21 | 36.0 | G0 | C8 | 767 | C -36 935 |
| 34 | 9.8 | 9.5W | 26 57.958 | 0.0050 | 21 | -31 51 16.45 | 0.011 | 21 | 0.43 | 57.869 | 22 | 32.0 | 16.65 | 21 | 32.0 | F5 | C7 | 887 | C -32 895 |
| 35 | 9.9 | 9.6W | 26 58.453 | 0.0028 | 18 | -37 0 17.58 | 0.037 | 18 | 0.31 | 58.414 | 15 | 36.0 | 18.10 | 21 | 36.0 | F8 | C8 | 768 | C -37 938 |
| 36 | 10.4 | 9.6W | 27 0.579 | 0.0028 | 21 | -32 0 30.54 | 0.000 | 21 | 0.43 | 0.529 | 22 | 32.0 | 30.55 | 21 | 32.0 | K0 L | C7 | 888 | C -32 896 |
| 37 | 10.3 | 9.8W | 27 6.138 | 0.0034 | 21 | -30 7 17.15 | -0.002 | 21 | 0.43 | 6.077 | 22 | 32.0 | 17.11 | 21 | 32.0 | K0 | C7 | 889 | C -30 897 |
| 38 | | 7.6T | 27 17.391 | -0.0039 | 12 | -36 9 48.54 | -0.019 | 11 | 0.57 | 17.579 | 15 | 01.7 | 47.57 | 15 | 99.8 | K0 | GC | 2993 | C -36 937 |
| 39 | 9.9 | 8.9W | 27 22.270 | 0.0019 | 13 | -36 22 16.02 | -0.073 | 13 | 0.26 | 22.244 | 15 | 36.0 | 15.00 | 21 | 36.0 | K0 | C8 | 770 | C -36 938 |
| 40 | 10.7 | 10.4W | 27 27.432 | 0.0002 | 21 | -31 37 17.57 | -0.018 | 21 | 0.43 | 27.429 | 22 | 32.0 | 17.25 | 21 | 32.0 | F5 L | C7 | 890 | C -31 1001 |
| 41 | 10.5 | 9.6W | 27 36.192 | 0.0013 | 18 | -38 1 51.30 | -0.036 | 18 | 0.31 | 36.174 | 15 | 36.0 | 50.80 | 21 | 36.0 | K0 | C8 | 771 | C -38 828 |
| 42 | | 8.3T | 28 7.736 | 0.0034 | 12 | -33 19 45.88 | 0.020 | 12 | 0.65 | 7.566 | 15 | 00.0 | 46.91 | 18 | 99.3 | F5 | GC | 3010 | C -33 849 |
| 43 | 8.1 | 8.0W | 28 11.712 | 0.0107 | 21 | -30 34 23.06 | -0.003 | 21 | 0.43 | 11.518 | 22 | 32.0 | 23.03 | 21 | 32.0 | F8 | C7 | 893 | C -30 909 |
| 44 | 8.1 | 8.0W | 28 12.098 | 0.0077 | 21 | -30 34 23.01 | 0.006 | 21 | 0.43 | 11.958 | 22 | 32.0 | 23.13 | 21 | 32.0 | F8 | C7 | 894 | C -30 909 |
| 45 | 9.9 | 8.5W | 28 28.289 | 0.0033 | 21 | -31 29 59.86 | -0.024 | 21 | 0.43 | 28.228 | 22 | 32.0 | 59.43 | 21 | 32.0 | MA | C7 | 895 | C -31 1010 |
| 46 | 10.2 | 9.3W | 28 34.661 | -0.0002 | 18 | -38 26 7.60 | 0.007 | 18 | 0.31 | 34.664 | 15 | 36.0 | 7.70 | 21 | 36.0 | K0 | C8 | 772 | C -38 837 |
| 47 | | 7.4T | 28 39.205 | -0.0012 | 13 | -33 13 41.66 | -0.003 | 12 | 0.67 | 39.265 | 17 | 99.4 | 41.52 | 18 | 96.1 | F0 | GC | 3020 | C# -33 852 |
| 48 | 11.1 | | 28 51.924 | -0.0027 | 18 | -35 20 47.22 | -0.023 | 18 | 0.31 | 51.963 | 15 | 36.0 | 46.90 | 21 | 36.0 | F8 L | C8 | 773 | C -35 861 |
| 49 | 10.6 | 9.8W | 29 0.479 | 0.0039 | 21 | -30 34 8.91 | 0.034 | 21 | 0.43 | 0.408 | 22 | 32.0 | 9.53 | 21 | 32.0 | K2 | C7 | 897 | C -30 919 |
| 50 | 10.2 | 9.3W | 29 6.117 | 0.0059 | 21 | -32 53 33.79 | -0.035 | 21 | 0.43 | 6.010 | 22 | 32.0 | 33.16 | 21 | 32.0 | K2 L | C7 | 898 | C -33 853 |
| 51 | 9.1 | 8.2W | 2 29 24.079 | 0.0045 | 21 | -32 15 57.82 | -0.032 | 21 | 0.43 | 23.999 | 22 | 32.0 | 57.25 | 21 | 32.0 | K0 | C7 | 899 | C -32 914 |
| 52 | 10.2 | 9.4W | 29 36.983 | 0.0009 | 21 | -30 13 16.10 | 0.034 | 21 | 0.43 | 36.967 | 22 | 32.0 | 16.71 | 21 | 32.0 | K0 | C7 | 900 | C -30 927 |
| 53 | 10.8E | 9.5H | 29 41.879 | 0.0020 | 12 | -39 56 30.60 | 0.015 | 12 | 0.67 | 41.774 | 28 | 98.4 | 31.36 | 26 | 98.4 | F8 | CZ | 1186 | P -40 208 |
| 54 | 8.9 | 9.0W | 29 42.174 | -0.0002 | 21 | -31 9 50.82 | -0.022 | 21 | 0.43 | 42.178 | 22 | 32.0 | 50.43 | 21 | 32.0 | A3 | C7 | 901 | C -31 1017 |
| 55 | 10.2 | 9.1W | 29 49.471 | -0.0002 | 08 | -37 8 46.82 | -0.016 | 08 | 0.22 | 49.474 | 15 | 36.0 | 46.60 | 21 | 36.0 | K2 | C8 | 776 | C -37 953 |
| 56 | 9.7 | 8.9W | 29 52.662 | 0.0030 | 21 | -31 39 56.62 | -0.054 | 21 | 0.43 | 52.609 | 22 | 32.0 | 55.65 | 21 | 32.0 | K0 | C7 | 902 | C -31 1019 |
| 57 | | 6.6T | 30 3.646 | 0.0056 | 09 | -32 49 34.42 | 0.013 | 09 | 0.41 | 3.407 | 15 | 07.3 | 34.99 | 15 | 06.9 | K0 | GC | 3054 | C -33 860 |
| 58 | 9.7 | 9.4W | 30 5.792 | -0.0006 | 18 | -37 22 50.17 | -0.049 | 18 | 0.31 | 5.800 | 15 | 36.0 | 49.48 | 21 | 36.0 | G0 | C8 | 781 | C -37 955 |
| 59 | | 6.3T | 30 11.147 | 0.0050 | 09 | -36 38 51.16 | 0.013 | 07 | 0.49 | 10.863 | 15 | 93.2 | 51.94 | 15 | 90.1 | G5 | GC | 3056 | C -36 957 |
| 60 | 10.0 | 9.9W | 30 15.161 | 0.0015 | 21 | -30 43 51.28 | 0.002 | 21 | 0.43 | 15.135 | 22 | 32.0 | 51.31 | 21 | 32.0 | G0 | C7 | 904 | C -31 1023 |
| 61 | 9.6 | 8.7W | 30 47.881 | -0.0036 | 18 | -38 48 12.59 | -0.001 | 18 | 0.31 | 47.931 | 15 | 36.0 | 12.58 | 21 | 36.0 | K0 | C8 | 784 | C -39 741 |
| 62 | 9.3 | 9.0W | 31 0.199 | 0.0056 | 09 | -37 24 34.29 | -0.029 | 09 | 0.22 | 0.120 | 15 | 36.0 | 33.88 | 21 | 36.0 | F0 | C8 | 785 | C -37 960 |
| 63 | | 5.9H | 31 1.901 | -0.0016 | 03 | -34 52 8.82 | -0.016 | 03 | 0.12 | 1.956 | 06 | 16.5 | 8.30 | 05 | 17.2 | K0 | F4 | 88 | C -35 877 |
| 64 | 9.2 | 8.9W | 31 3.299 | 0.0026 | 13 | -39 33 43.35 | 0.059 | 13 | 0.26 | 3.262 | 15 | 36.0 | 44.18 | 21 | 36.0 | F8 | C8 | 786 | C -39 743 |
| 65 | 10.3 | 9.5W | 31 7.208 | -0.0009 | 21 | -30 53 31.80 | -0.016 | 21 | 0.43 | 7.225 | 22 | 32.0 | 31.51 | 21 | 32.0 | G5 | C7 | 906 | C -31 1029 |
| 66 | 9.0 | 8.5W | 31 8.035 | -0.0000 | 21 | -31 56 22.74 | -0.118 | 21 | 0.43 | 8.035 | 22 | 32.0 | 20.62 | 21 | 32.0 | G0 | C7 | 907 | C -32 927 |
| 67 | 10.7 | | 31 12.207 | -0.0031 | 18 | -37 6 8.20 | 0.020 | 18 | 0.31 | 12.250 | 15 | 36.0 | 8.48 | 21 | 36.0 | F8 L | C8 | 788 | C -37 961 |
| 68 | | 7.6T | 31 29.807 | -0.0014 | 14 | -33 2 43.93 | -0.030 | 13 | 0.68 | 29.873 | 15 | 02.4 | 42.48 | 17 | 01.3 | K0 | GC | 3077 | C -33 866 |
| 69 | 10.2 | 9.9W | 31 32.301 | 0.0001 | 13 | -36 20 18.78 | -0.043 | 13 | 0.26 | 32.299 | 15 | 36.0 | 18.18 | 21 | 36.0 | G8 L | C8 | 789 | C -36 968 |
| 70 | 8.9 | 7.7W | 31 33.383 | 0.0030 | 18 | -37 37 34.11 | 0.041 | 18 | 0.31 | 33.340 | 15 | 36.0 | 34.68 | 21 | 36.0 | K5 | C8 | 790 | C -37 962 |
| 71 | 9.2 | 9.0W | 31 34.762 | -0.0035 | 13 | -39 23 38.24 | 0.003 | 13 | 0.26 | 34.811 | 15 | 36.0 | 38.28 | 21 | 36.0 | F5 | C8 | 791 | C -39 746 |
| 72 | | 7.3T | 31 40.092 | 0.0126 | 12 | -30 9 10.05 | 0.093 | 11 | 0.62 | 39.436 | 17 | 97.8 | 15.14 | 15 | 95.2 | F5 | GC | 3084 | C -30 941 |
| 73 | 8.4 | 8.1W | 31 47.769 | 0.0091 | 21 | -32 25 1.91 | 0.050 | 21 | 0.43 | 47.605 | 22 | 32.0 | 2.82 | 21 | 32.0 | G0 | C7 | 910 | C -32 929 |
| 74 | 7.6 | 7.6W | 32 2.316 | -0.0027 | 21 | -31 44 31.87 | -0.053 | 21 | 0.43 | 2.365 | 22 | 32.0 | 30.92 | 21 | 32.0 | F0 | C7 | 911 | C -32 934 |
| 75 | | 7.6T | 32 3.997 | 0.0220 | 13 | -33 20 6.41 | -0.110 | 12 | 0.65 | 2.913 | 17 | 00.7 | 0.75 | 18 | 98.4 | F8 | GC | 3088 | C -33 870 |
| 76 | 9.9 | 9.8W | 32 10.929 | -0.0014 | 21 | -30 47 8.22 | -0.106 | 21 | 0.43 | 10.955 | 22 | 32.0 | 6.31 | 21 | 32.0 | G0 | C7 | 913 | C -31 1038 |
| 77 | 10.3 | 9.3W | 32 14.314 | 0.0011 | 21 | -30 55 1.69 | -0.043 | 21 | 0.43 | 14.295 | 22 | 32.0 | 0.91 | 21 | 32.0 | K0 | C7 | 914 | C -31 1040 |
| 78 | 9.4 | 9.1W | 32 15.326 | -0.0039 | 18 | -37 43 12.78 | 0.000 | 18 | 0.31 | 15.380 | 15 | 36.0 | 12.78 | 21 | 36.0 | G5 | C8 | 796 | C -38 855 |
| 79 | 9.7 | 8.3W | 32 18.497 | 0.0022 | 21 | -32 56 13.36 | -0.057 | 21 | 0.43 | 18.457 | 22 | 32.0 | 12.34 | 21 | 32.0 | K2 | C7 | 915 | C -33 871 |
| 80 | 8.8 | 8.5W | 32 20.571 | 0.0046 | 21 | -34 3 57.07 | -0.057 | 21 | 0.43 | 20.488 | 22 | 32.0 | 56.05 | 21 | 32.0 | F8 | C7 | 916 | C -34 939 |
| 81 | | 8.2T | 32 22.443 | 0.0046 | 15 | -30 10 2.91 | 0.037 | 13 | 0.74 | 22.220 | 21 | 01.1 | 4.82 | 19 | 98.4 | F8 | GC | 3095 | C -30 947 |
| 82 | 10.1 | 9.8W | 32 23.403 | 0.0047 | 21 | -34 20 57.27 | -0.079 | 21 | 0.43 | 23.318 | 22 | 32.0 | 55.85 | 21 | 32.0 | G5 | C7 | 918 | C -34 942 |
| 83 | 9.5 | 9.2W | 32 29.644 | 0.0044 | 21 | -31 31 55.37 | -0.020 | 21 | 0.43 | 29.565 | 22 | 32.0 | 55.02 | 21 | 32.0 | G0 | C7 | 919 | C -31 1042 |
| 84 | 9.9 | 9.7W | 32 31.861 | 0.0022 | 09 | -37 37 29.20 | 0.006 | 09 | 0.22 | 31.830 | 15 | 36.0 | 29.28 | 21 | 36.0 | F8 | C8 | 797 | C -37 963 |
| 85 | 9.9 | 8.6W | 32 34.041 | 0.0030 | 21 | -32 41 13.06 | -0.046 | 21 | 0.43 | 33.987 | 22 | 32.0 | 12.24 | 21 | 32.0 | K2 | C7 | 920 | C -33 874 |
| 86 | 10.0 | 9.7W | 32 37.101 | -0.0015 | 13 | -39 2 41.16 | -0.034 | 13 | 0.26 | 37.121 | 15 | 36.0 | 40.68 | 21 | 36.0 | G0 | C8 | 798 | C -39 750 |
| 87 | 10.4 | 10.3W | 32 38.657 | 0.0035 | 21 | -30 45 27.70 | -0.038 | 21 | 0.43 | 38.595 | 22 | 32.0 | 27.01 | 21 | 32.0 | G | C7 | 921 | C -31 1043 |
| 88 | 9.5 | 9.5W | 32 44.346 | 0.0039 | 09 | -38 52 4.29 | -0.001 | 09 | 0.22 | 44.291 | 15 | 36.0 | 4.28 | 21 | 36.0 | F0 | C8 | 800 | C -39 751 |
| 89 | 10.2 | 9.4W | 33 0.077 | 0.0005 | 21 | -33 44 35.03 | -0.010 | 21 | 0.43 | 0.068 | 22 | 32.0 | 34.85 | 21 | 32.0 | K | C7 | 922 | C -34 944 |
| 90 | | 7.9T | 33 8.868 | -0.0003 | 18 | -38 1 21.36 | 0.017 | 13 | 0.74 | 8.881 | 22 | 06.3 | 22.14 | 21 | 04.2 | K2 | GC | 3114 | C -38 858 |
| 91 | 11.1 | 9.7W | 33 9.132 | -0.0019 | 13 | -35 11 59.50 | -0.059 | 13 | 0.26 | 9.159 | 15 | 36.0 | 58.68 | 21 | 36.0 | K2 L | C8 | 803 | C -35 891 |
| 92 | 10.0 | 9.9W | 33 20.768 | 0.0005 | 13 | -36 31 50.26 | 0.037 | 13 | 0.26 | 20.760 | 15 | 36.0 | 50.78 | 21 | 36.0 | G0 | C8 | 805 | C -36 985 |
| 93 | 11.2 | 9.6W | 33 24.225 | 0.0040 | 13 | -35 11 13.33 | -0.061 | 13 | 0.26 | 24.168 | 15 | 36.0 | 12.48 | 21 | 36.0 | K5 L | C8 | 806 | C -35 893 |
| 94 | 10.7 | | 33 27.423 | -0.0012 | 18 | -35 43 51.41 | 0.019 | 18 | 0.31 | 27.439 | 15 | 36.0 | 51.68 | 21 | 36.0 | F8 L | C8 | 807 | C -36 986 |
| 95 | | 5.8T | 33 59.875 | -0.0013 | 00 | -30 15 42.80 | 0.005 | 06 | 0.23 | 59.935 | 12 | 05.6 | 43.04 | 12 | 02.3 | G5 | GC | 3136 | C -30 958 |
| 96 | 10.5 | 9.6W | 34 1.152 | 0.0038 | 13 | -35 26 32.68 | -0.007 | 13 | 0.26 | 1.099 | 15 | 36.0 | 32.58 | 21 | 36.0 | K0 L | C8 | 809 | C -35 894 |
| 97 | 9.4 | 9.0W | 34 5.093 | -0.0055 | 18 | -37 40 9.89 | 0.035 | 18 | 0.31 | 5.170 | 15 | 36.0 | 10.38 | 21 | 36.0 | G0 | C8 | 810 | C -38 860 |
| 98 | 10.2 | 9.7W | 34 10.857 | 0.0035 | 21 | -30 31 25.24 | 0.021 | 21 | 0.43 | 10.795 | 22 | 32.0 | 25.61 | 21 | 32.0 | G5 | C7 | 924 | C -30 960 |
| 99 | 10.1 | 9.8W | 34 11.155 | 0.0061 | 06 | -36 20 52.87 | -0.092 | 06 | 0.20 | 11.069 | 15 | 36.0 | 51.58 | 21 | 36.0 | G5 L | C8 | 811 | C -36 988 |
| 00 | 10.6 | 9.6W | 34 17.513 | -0.0005 | 13 | -35 51 23.07 | -0.071 | 13 | 0.26 | 17.519 | 15 | 36.0 | 22.08 | 21 | 36.0 | K1 L | C8 | 812 | C -36 990 |

193800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		7.8T	2 34 18.844	0.0001	12	-38 56 48.72	0.008	09	0.45	18.840	15	10.3	49.05	14	07.7	G5		GC	3146	C -39 757
2	11.2		34 25.518	-0.0067	30	-38 39 21.08	-0.079	30	0.46	25.611	15	36.0	19.98	21	36.0	F5	L	C8	814	C -38 864
3	8.4	8.7W	34 27.824	0.0027	21	-32 4 3.32	-0.006	21	0.43	27.775	22	32.0	3.22	21	32.0	A0		C7	925	C -32 955
4	10.4	9.5W	34 34.144	0.0017	13	-37 31 53.77	0.001	13	0.26	34.120	15	36.0	53.78	21	36.0	G5		C8	815	C -37 973
5	9.0	7.5W	34 42.861	-0.0006	06	-36 2 42.08	-0.050	06	0.20	42.869	15	36.0	41.38	21	36.0	MA		C8	817	C -36 991
6	10.5	10.4W	34 44.278	0.0012	21	-30 49 49.21	-0.011	21	0.43	44.255	22	32.0	49.01	21	32.0	F5	L	C7	926	C -31 1060
7	10.4		34 44.294	0.0017	13	-35 34 45.98	-0.057	13	0.26	44.269	15	36.0	45.18	21	36.0	G5	L	C8	818	C -35 900
8		7.5T	34 49.579	0.0053	13	-35 32 12.00	-0.011	12	0.66	49.317	17	00.1	11.42	19	97.4	K0		GC	3152	C* -35 902
9	8.7	8.6W	34 50.336	-0.0073	21	-32 54 18.94	-0.189	21	0.43	50.467	22	32.0	15.54	21	32.0	F5		C7	927	C -33 893
10	9.0	8.9W	34 53.678	0.0001	21	-31 8 59.76	-0.058	21	0.43	53.675	22	32.0	58.71	21	32.0	F0		C7	928	C -31 1062
11		5.8T	34 54.007	-0.0015	06	-34 47 27.43	-0.266	05	0.28	54.075	12	05.2	14.42	12	01.1	G5		GC	3153	C -35 903
12	10.8	9.7W	35 2.565	0.0015	21	-33 49 28.42	-0.032	21	0.43	2.538	22	32.0	27.85	21	32.0	K5	L	C7	930	C -34 951
13	9.7	9.0W	35 3.743	-0.0019	21	-33 7 20.68	-0.036	21	0.43	3.777	22	32.0	20.04	21	32.0	G5		C7	932	C -33 894
14		8.4T	35 5.736	0.0051	17	-39 7 57.39	-0.015	13	0.77	5.495	21	02.8	56.63	19	99.7	F2		GC	3157	C -39 758
15	10.5	9.1W	35 7.283	-0.0004	13	-35 12 28.32	-0.046	13	0.26	7.288	15	36.0	27.68	21	36.0	K2		C8	821	C -35 904
16	8.9	9.1W	35 11.732	0.0037	21	-31 42 8.68	-0.037	21	0.44	11.665	22	31.9	8.02	21	31.9	A2		C7	933	C -32 959
17	10.1	10.0W	35 12.189	-0.0014	21	-32 30 0.54	-0.079	21	0.44	12.215	22	31.9	-59.12	21	31.9	G		C7	934	C -32 961
18	9.8	8.8W	35 15.317	0.0005	21	-33 51 56.84	-0.005	21	0.44	15.308	22	31.9	56.75	21	31.9	K0		C7	935	C -34 952
19	8.6	8.4W	35 17.866	-0.0034	21	-33 17 27.71	-0.054	21	0.44	17.927	22	31.9	26.74	21	31.9	F2		C7	936	C -33 896
20	9.7	9.6W	35 25.727	-0.0010	21	-32 29 16.24	-0.051	21	0.44	25.746	22	31.9	15.32	21	31.9	F8		C7	937	C -32 964
21	9.1	8.3W	35 35.224	0.0046	13	-36 22 31.86	-0.027	13	0.26	35.159	15	36.0	31.48	21	36.0	G5		C8	825	C -36 997
22	9.3	9.1W	35 35.270	-0.0036	18	-37 11 30.23	-0.032	18	0.31	35.320	15	36.0	29.78	21	36.0	F8		C8	826	C -37 983
23	10.7	9.6W	35 37.652	-0.0001	21	-30 47 15.69	-0.026	21	0.44	37.655	22	31.9	15.21	21	31.9	K2	L	C7	938	C -31 1065
24	9.9	9.0W	35 39.808	-0.0012	21	-34 45 16.01	-0.036	21	0.44	39.829	22	31.9	15.35	21	31.9	K2		C7	939	C -35 909
25	9.7	9.3W	35 47.674	0.0095	13	-38 1 35.59	0.035	13	0.26	47.540	15	36.0	36.08	21	36.0	G0		C8	828	C -38 871
26	8.6	7.2W	35 47.729	-0.0038	21	-33 53 35.29	-0.008	21	0.44	47.798	22	31.9	35.15	21	31.9	K0		C7	940	C -34 956
27	10.3	9.3W	35 58.279	-0.0030	13	-38 59 4.14	0.003	13	0.26	58.321	15	36.0	4.18	21	36.0	K0		C8	829	C -39 764
28	9.6	9.7W	36 3.286	-0.0016	21	-31 38 19.33	-0.045	21	0.44	3.315	22	31.9	18.52	21	31.9	A5		C7	941	C -31 1067
29		5.8T	36 9.263	0.0076	07	-30 24 31.20	-0.083	05	0.30	8.931	12	06.1	27.05	12	00.0	F5		GC	3170	C -30 973
30	9.4	8.5W	36 9.491	0.0015	18	-37 43 49.77	0.029	18	0.31	9.470	15	36.0	50.18	21	36.0	K0		C8	830	C -38 874
31	9.8	9.7W	36 16.354	0.0054	21	-30 31 50.26	0.047	21	0.44	16.255	22	31.9	51.11	21	31.9	G0		C7	943	C -30 974
32	9.2	9.1W	36 17.026	-0.0016	21	-32 16 44.97	-0.047	21	0.44	17.056	22	31.9	44.12	21	31.9	F8		C7	944	C -32 968
33	10.2	10.4W	36 20.755	-0.0000	21	-31 32 7.01	-0.033	21	0.44	20.756	22	31.9	6.42	21	31.9	F0	L	C7	945	C -31 1070
34		6.5T	36 23.739	0.0080	10	-38 12 18.33	-0.064	08	0.54	23.311	18	96.5	14.59	15	91.5	F5		GC	3176	C* -38 875
35	10.0		36 31.391	0.0023	13	-35 8 45.97	-0.042	13	0.26	31.359	15	36.0	45.38	21	36.0	G0		C8	833	C -35 915
36		7.5T	36 37.720	0.0026	16	-30 48 52.31	-0.001	14	0.77	37.594	17	01.0	52.24	19	00.1	K0		GC	3178	C -31 1072
37	10.3	10.2W	37 6.583	-0.0001	21	-31 32 4.67	-0.075	21	0.44	6.585	22	31.9	3.32	21	31.9	F8	L	C7	947	C -31 1076
38	10.7	10.2W	37 10.335	-0.0027	21	-31 26 54.19	-0.026	21	0.44	10.385	22	31.9	53.71	21	31.9	G5	L	C7	948	C -31 1077
39	9.4	8.6W	37 21.617	0.0033	09	-37 8 58.13	-0.025	09	0.22	21.570	15	36.0	57.78	21	36.0	G5		C8	835	C -37 992
40	10.4		37 22.047	0.0012	13	-36 8 40.95	-0.005	13	0.26	22.029	15	36.0	40.88	21	36.0	G8	L	C8	836	C -36 1004
41	9.2	8.3W	37 30.846	-0.0024	21	-34 43 29.21	-0.025	21	0.44	30.889	22	31.9	28.75	21	31.9	K0		C7	949	C -35 919
42	9.0	8.1W	37 39.454	-0.0019	07	-37 6 1.11	-0.031	07	0.21	39.480	15	36.0	0.68	21	36.0	K0		C8	838	C -37 995
43	8.7	8.3W	37 42.357	0.0077	21	-34 6 31.72	-0.369	21	0.44	42.218	22	31.9	25.05	21	31.9	G0		C7	950	C -34 968
44		7.3T	37 43.173	-0.0009	15	-35 14 20.84	-0.021	13	0.71	43.217	17	01.7	19.79	18	00.3	K0		GC	3214	C -35 920
45	9.5	8.5W	37 44.656	0.0019	13	-35 43 37.51	-0.031	13	0.26	44.629	15	36.0	37.08	21	36.0	K0		C8	840	C -36 1007
46		6.5T	37 54.199	-0.0006	11	-30 50 49.26	-0.064	10	0.57	54.231	17	98.2	45.87	18	97.4	G5		GC	3218	C -31 1081
47	10.3	9.9W	38 18.392	0.0080	13	-36 17 22.12	-0.039	13	0.26	18.279	15	36.0	21.58	21	36.0	K0	L	C8	841	C -36 1012
48		7.5T	38 23.217	0.0059	13	-31 40 51.51	0.010	10	0.61	22.922	17	99.9	52.07	17	95.9	F5		GC	3228	C -32 977
49		8.1T	38 27.891	0.0458	18	-30 20 59.54	0.104	18	0.88	25.713	17	02.4	+ 4.46	18	02.7	G0		GC	3231	C* -30 990
50	8.6	7.8W	38 29.793	0.0023	07	-36 42 27.86	0.001	07	0.21	29.760	15	36.0	27.88	21	36.0	K0		C8	843	C -37 1003
51	9.6	9.2W	2 38 47.821	0.0015	18	-37 45 38.86	-0.077	18	0.31	47.800	15	36.0	37.78	21	36.0	G0		C8	844	C -38 884
52	9.6	9.5W	38 48.735	0.0032	21	-32 53 3.49	0.030	21	0.44	48.677	22	31.9	4.04	21	31.9	F2		C7	954	C -33 916
53	10.2	9.4W	38 49.270	-0.0008	13	-36 55 39.35	-0.048	13	0.26	49.280	15	36.0	38.68	21	36.0	K0		C8	845	C -37 1007
54	10.2	9.7W	38 53.675	-0.0025	15	-38 51 52.59	0.014	15	0.28	53.711	15	36.0	52.78	21	36.0	G0		C8	846	C -39 775
55	9.9	9.5W	38 54.478	-0.0008	09	-36 6 28.14	-0.047	09	0.22	54.489	15	36.0	27.48	21	36.0	G0		C8	847	C -36 1017
56	9.8	9.6W	39 10.538	0.0054	18	-39 48 34.82	0.004	18	0.31	10.462	15	36.0	34.88	21	36.0	G0		C8	850	C -40 692
57	10.8		39 10.592	-0.0020	13	-35 37 55.09	-0.001	13	0.26	10.619	15	36.0	55.08	21	36.0	F8	L	C8	851	C -35 926
58	9.2E	9.8H	39 10.602	0.0055	12	-39 48 34.73	0.007	12	0.67	10.318	28	98.4	35.11	26	98.4	G0		C2	1269	P -40 225
59	10.7	9.7W	39 15.812	-0.0005	13	-35 29 27.12	-0.046	13	0.26	15.819	15	36.0	26.48	21	36.0	K0	L	C8	852	C -35 928
60	9.0	8.9W	39 28.611	0.0024	21	-33 19 0.76	-0.007	21	0.44	28.567	22	31.9	0.64	21	31.9	F5		C7	955	C -33 920
61	9.2	9.1W	39 29.296	0.0025	09	-38 0 12.37	0.008	09	0.22	29.260	15	36.0	12.48	21	36.0	A5		C8	853	C -38 890
62		9.4T	39 29.858	0.0026	17	-30 31 33.80	-0.093	18	0.86	29.735	17	02.0	29.31	19	01.9	G0		GC	3255	C -30 999
63	8.8	7.4W	39 30.717	0.0018	21	-30 16 26.06	-0.026	21	0.44	30.684	22	31.9	25.58	21	31.9	K5		C7	957	C -30 998
64		8.5T	39 33.503	0.0005	17	-38 48 39.93	-0.032	13	0.75	33.479	18	03.0	38.33	19	00.1	A5		GC	3257	C -39 778
65	9.5	9.1W	39 42.168	0.0022	21	-34 24 59.47	-0.012	21	0.44	42.128	22	31.9	59.25	21	31.9	G0		C7	958	C -34 977
66	10.4	9.3W	39 43.187	0.0012	09	-35 48 55.82	-0.039	09	0.22	43.169	15	36.0	55.28	21	36.0	K2		C8	855	C -36 1022
67		7.6T	39 43.713	0.0050	15	-30 37 1.41	0.024	13	0.75	43.466	19	00.3	2.64	19	98.2	G5		GC	3259	C -30 1000
68		8.1T	39 57.111	-0.0079	15	-39 5 0.44	-0.128	13	0.72	57.495	21	01.3	-54.05	18	00.1	G0		GC	3261	C -39 784
69	10.1	8.7W	39 58.024	0.0024	13	-38 19 13.15	-0.012	13	0.26	57.990	15	36.0	12.98	21	36.0	K5		C8	859	C -38 893
70	8.3	8.5W	39 58.090	0.0007	06	-35 2 44.96	-0.034	06	0.20	58.079	15	36.0	44.48	21	36.0	A2		C8	860	C -35 930
71	11.2	10.4W	40 2.214	0.0033	21	-31 3 50.96	-0.052	21	0.44	2.155	22	31.9	50.01	21	31.9	G2	L	C7	960	C -31 1093
72	9.4	9.4W	40 4.824	0.0046	13	-36 27 34.25	-0.005	13	0.26	4.759	15	36.0	34.18	21	36.0	F8		C8	861	C -36 1024
73		5.9T	40 7.081	0.0010	06	-38 35 47.10	0.005	05	0.24	7.041	09	10.5	47.30	09	09.0	G5		GC	3263	C -38 894
74	10.5	9.9W	40 19.083	-0.0001	21	-31 48 31.52	-0.028	21	0.44	19.085	22	31.9	31.02	21	31.9	K0	L	C7	961	C -32 984
75	9.6	8.6W	40 29.721	-0.0037	21	-34 0 46.22	0.007	21	0.44	29.788	22	31.9	46.35	21	31.9	K0		C7	962	C -34 981
76		7.5T	40 55.981	0.0007	14	-31 16 51.38	-0.042	11	0.65	55.948	15	01.0	49.15	17	97.4	G0		GC	3281	C -31 1099
77	8.3	7.2W	41 19.934	0.0020	21	-34 18 10.76	-0.034	21	0.44	19.898	22	31.9	10.15	21	31.9	K0		C7	964	C -34 985
78	10.8		41 21.500	0.0042	18	-37 15 34.04	-0.026	18	0.31	21.440	15	36.0	33.68	21	36.0	G0	L	C8	868	C -37 1020
79	8.7	8.1W	41 25.510	0.0085	07	-38 8 20.96	-0.077	07	0.21	25.390	15	36.0	19.88	21	36.0	G5		C8	869	C -38 899
80		6.8T	41 34.317	-0.0020	13	-33 15 25.21	0.006	12	0.67	34.415	19	01.1	25.54	18	97.1	G5		GC	3296	C -33 939
81	9.8	9.4W	41 47.242	-0.0007	21	-31 16 27.07	-0.042	21	0.44	47.255	22	31.9	26.31	21	31.9	F8		C7	967	C -31 1106
82	9.8	9.6W	41 50.137	0.0040	13	-36 32 53.39	-0.029	13	0.26	50.080	15	36.0	52.98	21	36.0	G0		C8	870	C -36 1032
83	9.8	9.8W	41 54.924	-0.0011	21	-30 8 12.84	-0.003	21	0.44	54.944	22	31.9	12.78	21	31.9	F8	L	C7	968	C -30 1018
84	8.6	7.8W	41 55.204	0.0020	21	-33 22 58.61	0.018	21	0.44	55.167	22	31.9	58.94	21	31.9	G5		C7	969	C -33 942
85	11.3	10.8W	42 4.114	-0.0006	21	-31 55 9.71	-0.066	21	0.44	4.125	22	31.9	8.52	21	31.9			C7	970	C -32 989
86	9.3	9.3W	42 10.895	-0.0044	21	-32 8 33.94	-0.029	21	0.44	10.975	22	31.9	33.42	21	31.9	A0		C7	971	C -32 990
87		7.1T	42 11.340	0.0039	10	-36 31 5.33	-0.009	08	0.41	11.174	14	07.6	4.94	14	06.3	G0		GC	3307	C* -36 1033
88		6.1T	42 14.598	0.0013	06	-32 44 6.92	-0.027	05	0.28	14.540	12	05.1	5.59	12	00.4	A0		GC	3310	C -33 943
89	10.4	9.6W	42 33.293	0.0060	21	-30 9 28.35	0.002	21	0.44	33.184	22	31.9	28.38	21	31.9	K0	L	C7	973	C -30 1022
90	10.5		42 45.723	0.0045	13	-35 35 5.86	-0.025	13	0.26	45.659	15	36.0	5.58	21	36.0	F5	L	C8	874	C -35 944
91	9.8	9.5W	43 0.549	0.0027	13	-38 30 27.13	-0.075	13	0.26	0.511	15	36.0	26.08	21	36.0	F8		C8	875	C -38 907
92	10.0	9.0W	43 26.041	0.0048	21	-30 5 24.78	0.039	21	0.44	25.954	22	31.9	25.48	21	31.9	K5		C7	974	C -30 1027
93		8.1T	43 32.291	-0.0001	14	-34 4 23.24	0.061	12	0.68	32.295	15	00.7	26.39	18	98.4	G5		GC	3328	C -34 999
94		8.5T	43 36.347	-0.0027	14	-34 5 2.01	0.009	13	0.71	36.478	17	01.2	2.48	19	98.2	G0		GC	3329	C -34 1000
95		7.9T	43 41.121	0.0157	13	-38 22 19.07	0.242	10	0.56	40.408	17	04.6	35.66	15	02.1	F8		GC	3332	C -38 915
96	8.9E	8.0H	43 47.341	0.0059	12	-39 55 38.94	0.044	12	0.67	47.036	28	98.3	41.22	26	98.3	G5		CZ	1311	P -40 230
97		7.7T	43 47.379	0.0021	17	-30 41 24.66	-0.045	13	0.76	47.281	19	02.8	22.45	21	01.4	G0		GC	3333	C* -31 1117
98		8.6T	43 47.396	0.0075	10	-39 55 38.14	0.053	08	0.42	47.068	14	06.3	40.58	14	03.9	G5		GC	3334	C -40 716
99	9.1	9.4W	43 48.858	0.0002	21	-31 37 46.09	-0.015	21	0.44	48.855	22	31.9	45.82	21	31.9	A0		C7	978	C -31 1118
00	10.0	10.3W	43 51.678	-0.0004	21	-32 5 39.26	-0.030	21	0.44	51.686	22	31.9	38.72	21	31.9	A0		C7	979	C -32 1002

193900			EPOCH 1950										ORIGINAL EPOCH							SP.		SOURCE		-30° 2H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01								
1	10.4	10.4W	2 43	53.927	0.0035	21	-30 20	2.02	0.031	21	0.44	53.864	22	31.9	2.58	21	31.9	F5	L	C7	980	C -30 1031		
2	10.1	9.6W	43	55.259	-0.0014	21	-30 44	2.01	-0.011	21	0.44	55.285	22	31.9	1.81	21	31.9	K0	L	C7	981	C -31 1119		
3	10.2	10.3W	44	11.820	-0.0008	21	-30 42	48.69	-0.026	21	0.44	11.835	22	31.9	48.21	21	31.9	F8	L	C7	982	C -31 1125		
4	8.2	8.4W	44	17.691	-0.0013	13	-35 7	9.87	-0.021	13	0.26	17.709	15	36.0	9.58	21	36.0	A0		C8	884	C -35 954		
5	9.1	9.0W	44	22.716	-0.0040	21	-34 10	7.08	-0.140	21	0.44	22.788	22	31.9	4.55	21	31.9	G0		C7	983	C -34 1005		
6	8.8	8.5W	44	25.311	0.0043	18	-37 7	8.77	0.022	18	0.31	25.250	15	36.0	9.08	21	36.0	F5		C8	885	C -37 1038		
7		8.1T	44	29.024	-0.0059	18	-32 44	34.23	-0.028	14	0.81	29.300	19	03.2	32.86	18	00.5	G0		GC	3349	C -33 957		
8	9.1	8.8W	44	29.684	0.0004	13	-35 0	8.15	-0.048	13	0.26	29.679	15	36.0	7.48	21	36.0	F5		C8	886	C -35 957		
9	9.2	9.4W	44	29.779	0.0020	09	-36 53	16.92	-0.010	09	0.22	29.750	15	36.0	16.78	21	36.0	A5		C8	887	C -37 1039		
10	10.2	10.0W	44	42.583	-0.0001	21	-31 42	6.02	-0.017	21	0.44	42.586	22	31.9	5.72	21	31.9	F8	L	C7	985	C -32 1004		
11		8.0T	44	56.902	-0.0026	15	-37 33	14.73	0.003	10	0.66	57.028	21	01.5	14.89	19	95.6	K5		GC	3358	C*-37 1043		
12	8.6	8.4W	45	3.800	0.0035	18	-37 56	51.78	-0.043	18	0.31	3.750	15	36.0	51.18	21	36.0	F5		C8	890	C -38 917		
13	9.4	9.4W	45	7.358	0.0000	21	-34 26	45.14	-0.022	21	0.44	7.358	22	31.9	44.75	21	31.9	F8		C7	986	C -34 1009		
14	10.0	8.9W	45	13.654	0.0032	13	-34 59	45.37	-0.036	13	0.26	13.609	15	36.0	44.87	21	36.0	K5		C8	891	C -35 964		
15	10.4	9.3W	45	17.925	-0.0008	21	-32 37	45.59	-0.003	21	0.44	17.937	22	31.9	45.54	21	31.9	K		C7	988	C -32 1009		
16		6.5T	45	31.970	-0.0038	07	-35 45	29.85	-0.035	05	0.29	32.135	12	07.2	28.19	12	02.6	K0		GC	3363	C -36 1050		
17	10.2		45	36.231	0.0008	18	-36 18	56.44	0.017	18	0.31	36.219	15	36.0	56.68	21	36.0	F2	L	C8	893	C -36 1052		
18	10.4	10.0W	45	41.427	-0.0004	21	-30 54	57.17	-0.014	21	0.44	41.435	22	31.9	56.91	21	31.9	F8	L	C7	989	C -31 1126		
19	11.3	10.0W	45	50.995	-0.0019	15	-38 50	33.87	-0.022	15	0.28	51.021	15	36.0	34.18	21	36.0	M0	L	C8	895	C -39 811		
20	8.4	8.5W	45	55.374	-0.0017	21	-32 29	40.72	-0.006	21	0.44	55.406	22	31.9	40.62	21	31.9	F5		C7	990	C -32 1012		
21		7.1T	46	2.675	0.0014	12	-31 37	47.47	-0.086	11	0.61	2.605	15	99.7	42.94	17	97.2	G5		GC	3374	C*-31 1128		
22	9.5	9.4W	46	6.398	-0.0004	21	-32 5	37.90	-0.038	21	0.44	6.405	22	31.9	37.22	21	31.9	F0	L	C7	992	C -32 1015		
23	8.3	8.0W	46	7.736	0.0004	18	-37 11	22.84	0.024	18	0.31	7.730	15	36.0	23.18	21	36.0	G0		C8	899	C -37 1050		
24		6.8T	46	27.177	-0.0014	12	-33 59	23.76	-0.029	11	0.63	27.246	15	99.7	22.23	18	96.9	G5		GC	3377	C*-34 1016		
25	10.2	9.8W	46	34.704	0.0054	13	-35 16	21.20	-0.016	13	0.26	34.629	15	36.0	20.98	21	36.0	G8	L	C8	902	C -35 971		
26		7.0D	46	38.139	0.0057	07	-37 36	32.08	0.070	07	0.44	37.808	17	92.1	36.26	15	90.3	F2		GC	3380K	C*-37 1053		
27		8.5D	46	38.503	0.0073	16	-37 36	35.51	0.099	16	0.80	38.152	22	02.0	40.26	22	02.0			GC	3381K	C -37 1053		
28		10.4W	46	41.560	0.0053	21	-30 31	6.80	0.001	21	0.44	41.465	22	31.9	6.81	21	31.9			C7	994	C -30 1064		
29	9.2	9.1W	46	47.844	-0.0039	21	-31 46	20.64	-0.062	21	0.44	47.915	22	31.9	19.52	21	31.9	F8		C7	995	C -32 1023		
30	9.2	9.1W	46	59.675	0.0024	18	-38 41	10.51	-0.088	18	0.31	59.641	15	36.0	9.28	21	36.0	F5		C8	906	C -38 927		
31		4.5H	46	59.844	0.0071	02	-32 36	54.11	0.159	02	0.08	59.600	05	15.7	59.86	04	13.7	K0		F4	101	C -32 1025		
32		8.3T	47	12.212	0.0043	13	-32 35	7.24	0.022	12	0.64	12.003	18	01.4	8.34	19	00.4	G0		GC	3397	C -32 1027		
33		7.6T	47	18.677	0.0033	11	-31 1	12.86	0.020	08	0.54	18.509	17	98.6	13.93	17	95.3	A2		GC	3399	C -31 1133		
34	11.0		47	26.125	0.0004	18	-35 52	52.88	0.014	16	0.31	26.119	15	36.0	53.08	21	36.0	F0		C8	908	C -36 1063		
35		10.4W	47	29.724	0.0022	21	-30 10	58.80	-0.056	21	0.44	29.684	22	31.9	57.78	21	31.9			C7	1000	C -30 1058		
36	10.0	9.8W	47	33.068	0.0012	21	-30 40	30.46	-0.008	21	0.44	33.045	22	31.9	30.31	21	31.9	G0	L	C7	1001	C -30 1059		
37	10.3	10.1W	47	38.428	-0.0032	21	-31 7	38.50	-0.259	21	0.44	38.485	22	31.9	33.81	21	31.9	F2	L	C7	1002	C -31 1135		
38	9.7	8.7W	47	53.578	-0.0009	18	-37 16	25.54	0.031	18	0.31	53.590	15	36.0	25.98	21	36.0	K2		C8	910	C -37 1058		
39	10.6	9.8W	48	3.510	0.0036	21	-31 45	47.31	0.011	21	0.44	3.445	22	31.9	47.52	21	31.9	G		C7	1003	C -32 1037		
40		5.8T	48	13.441	0.0043	06	-36 2	59.58	0.025	06	0.30	13.237	12	02.0	+ 0.79	12	01.6	K0		GC	3414	C -36 1067		
41	9.7	9.6W	48	20.669	-0.0027	21	-33 12	23.90	-0.009	21	0.44	20.717	22	31.9	23.74	21	31.9	F2	L	C7	1004	C -33 979		
42	10.1	9.8W	48	30.108	-0.0016	21	-32 39	17.23	-0.022	21	0.44	30.137	22	31.9	16.84	21	31.9	G0		C7	1005	C -32 1043		
43	9.9	9.0W	48	37.681	0.0007	13	-38 57	2.60	-0.030	13	0.26	37.671	15	36.0	2.18	21	36.0	K0		C8	913	C -39 823		
44		3.5T	48	39.120	0.0001	06	-35 52	50.71	-0.057	05	0.28	39.113	10	06.7	48.02	10	02.9	K0		GC	3426	C*-36 1070		
45	10.2	10.0W	48	52.590	-0.0022	21	-34 40	51.31	-0.053	21	0.44	52.629	22	31.9	50.35	21	31.9	G0	L	C7	1006	C -34 1029		
46	9.7	9.5W	48	57.119	0.0056	18	-37 36	33.58	0.050	18	0.31	57.040	15	36.0	34.28	21	36.0	G0		C8	920	C -37 1065		
47	9.3	9.2W	49	13.252	0.0051	09	-36 56	25.26	-0.027	09	0.22	13.180	15	36.0	24.88	21	36.0	G0		C8	922	C -37 1067		
48		7.5T	49	15.167	0.0056	13	-30 38	30.87	-0.042	12	0.69	14.886	17	99.5	28.66	18	97.8	F5		GC	3438	C*-30 1072		
49	8.6	8.0W	49	18.608	0.0048	18	-37 55	5.86	-0.020	18	0.31	18.540	15	36.0	5.58	21	36.0	G5		C8	924	C -38 937		
50	10.1	9.4W	49	35.912	0.0008	21	-32 36	26.01	-0.054	21	0.44	35.897	22	31.9	25.04	21	31.9	F8		C7	1008	C -32 1052		
51		6.4T	2 49	49.151	-0.0094	05	-31 1	13.94	0.109	05	0.24	49.543	09	08.4	18.62	09	06.9	F5		GC	3443	C*-31 1148		
52	8.6	8.4W	49	51.191	0.0007	18	-38 16	46.50	-0.073	18	0.31	51.180	15	36.0	45.48	21	36.0	F5		C8	926	C -38 939		
53	10.0	9.3W	49	56.017	-0.0002	13	-38 56	33.33	0.039	13	0.26	56.021	15	36.0	33.88	21	36.0	K2		C8	927	C -39 832		
54	10.2	9.7W	49	56.915	0.0032	21	-32 49	18.82	0.012	21	0.44	56.857	22	31.9	19.04	21	31.9	G0		C7	1010	C -33 991		
55	8.6	8.1W	50	14.346	0.0347	21	-33 39	18.47	-0.018	21	0.44	13.718	22	31.9	18.15	21	31.9	G5		C7	1011	C -33 992		
56	9.5	9.5W	50	31.715	-0.0018	21	-32 50	7.42	-0.049	21	0.44	31.747	22	31.9	6.54	21	31.9	A2		C7	1012	C -33 997		
57	8.9	8.5W	50	34.855	0.0155	21	-31 46	4.17	0.063	21	0.44	34.575	22	31.9	5.32	21	31.9	G0		C7	1013	C -32 1056		
58	9.0	7.8W	50	45.572	-0.0006	07	-37 3	1.06	0.016	07	0.21	45.580	15	36.0	1.28	21	36.0	K2		C8	928	C -37 1079		
59	8.0	8.5W	50	58.049	0.0002	21	-31 36	27.28	-0.026	21	0.44	58.045	22	31.9	26.82	21	31.9	B8		C7	1014	C -31 1155		
60	9.2	9.0W	51	4.837	0.0061	08	-38 45	23.88	0.007	08	0.22	4.751	15	36.0	23.98	21	36.0	F8		C8	929	C -39 840		
61	8.7	8.7W	51	6.657	0.0018	21	-30 2	12.22	0.031	21	0.44	6.624	22	31.9	12.78	21	31.9	F0		C7	1015	C -30 1086		
62		8.2T	51	7.297	-0.0024	20	-35 14	42.17	-0.000	20	0.90	7.406	19	04.8	42.17	19	05.8	K0		GC	3474	C*-35 992		
63	8.4	8.1W	51	13.697	0.0109	21	-34 41	35.56	0.099	21	0.44	13.499	22	31.9	37.35	21	31.9	G0		C7	1016	C -35 994		
64	10.0	9.4W	51	30.506	0.0018	13	-38 14	50.67	-0.028	13	0.26	30.480	15	36.0	50.28	21	36.0	K0		C8	931	C -38 947		
65		5.9T	51	36.750	0.0040	07	-38 38	26.09	0.044	05	0.30	36.577	12	06.9	28.18	12	02.5	F2		GC	3482	C*-38 948		
66	9.7	9.6W	51	43.173	-0.0030	21	-33 4	13.96	-0.073	21	0.44	43.227	22	31.9	12.64	21	31.9	F0		C7	1017	C -33 1005		
67	10.2	9.7W	51	48.782	0.0019	21	-32 31	51.23	0.028	21	0.44	48.747	22	31.9	51.74	21	31.9	G0		C7	1018	C*-32 1064		
68	10.1	9.9W	51	56.509	-0.0014	21	-31 26	59.86	-0.052	21	0.44	56.535	22	31.9	58.91	21	31.9	F2	L	C7	1019	C -31 1160		
69	10.7	10.3W	51	57.519	0.0007	21	-30 44	57.61	-0.022	21	0.44	57.505	22	31.9	57.21	21	31.9	G0	L	C7	1020	C -31 1159		
70	8.9	8.1W	52	0.211	0.0444	05	-36 6	17.75	-0.162	05	0.19	-59.589	15	36.0	15.48	21	36.0	K5		C8	934	C -36 1091		
71	9.0	9.0W	52	5.008	0.0028	21	-33 22	29.86	-0.007	21	0.44	4.957	22	31.9	29.74	21	31.9	A2		C7	1021	C -33 1007		
72	10.4	9.4W	52	14.178	0.0005	13	-38 37	59.53	-0.025	13	0.26	14.171	15	36.0	59.18	21	36.0	K2		C8	935	C -38 950		
73	10.1	9.4W	52	22.514	-0.0006	21	-32 11	37.01	-0.005	21	0.44	22.525	22	31.9	36.92	21	31.9	G5		C7	1022	C -32 1070		
74		7.8T	52	29.701	-0.0002	16	-30 2	43.39	-0.016	13	0.76	29.712	21	01.4	42.53	19	97.1	K0		GC	3503	C -30 1096		
75		6.8T	52	30.583	-0.0017	11	-31 5	35.66	-0.000	12	0.60	30.682	15	98.4	35.64	18	98.4	G0		GC	3505	C*-31 1162		
76	10.2	10.0W	52	32.570	-0.0008	21	-30 57	32.34	-0.062	21	0.44	32.585	22	31.9	31.21	21	31.9	F5	L	C7	1025	C -31 1163		
77	9.6	9.5W	52	33.623	0.0016	18	-37 6	40.59	-0.022	18	0.31	33.600	15	36.0	40.28	21	36.0	G0		C8	939	C -37 1090		
78	8.8	8.0W	52	36.188	-0.0009	18	-38 2	38.75	-0.041	18	0.31	36.200	15	36.0	38.18	21	36.0	G5		C8	940	C -38 955		
79	9.3	8.2W	52	39.193	0.0025	21	-33 8	15.55	-0.017	21	0.44	39.147	22	31.9	15.24	21	31.9	K0		C7	1026	C -33 1010		
80	9.7	9.5W	52	45.033	-0.0041	13	-39 28	44.53	-0.025	13	0.26	45.091	15	36.0	44.18	21	36.0	F8		C8	941	C -39 849		
81		6.9T	52	46.350	0.0016	13	-33 43	38.39	0.009	09	0.57	46.274	14	02.9	38.85	15	00.2	A3		GC	3513	C -34 1048		
82	9.6	9.4W	52	51.499	0.0011	21	-34 44	48.44	-0.060	21	0.44	51.479	22	31.9	47.35	21	31.9	F8		C7	1028	C -35 999		
83	10.0	8.7W	53	9.955	0.0038	09	-38 32	36.78	-0.007	09	0.22	9.901	15	36.0	36.68	21	36.0	K5		C8	942	C -38 959		
84	10.3	9.6W	53	28.268	0.0008	21	-30 12	3.13	0.036	21	0.44	28.254	22	31.9	3.78	21	31.9	G5	L	C7	1029	C -30 1106		
85	9.4	8.5W	53	31.650	0.0000	13	-35 45	46.85	0.002	13	0.26	31.649	15	36.0	46.88	21	36.0	K5		C8	945	C -36 1101		
86	9.8	9.5W	53	48.019	-0.0043	13	-35 32	53.46	-0.027	13	0.26	48.079	15	36.0	53.08	21	36.0	F8	L	C8	946	C -35 1006		
87		7.0T	53	53.750	-0.0005	11	-38 51	9.00	0.008	08	0.57	53.776	18	96.3	9.47	17	90.1	K0		GC	3536	C -39 853		
88	10.7	10.0W	54	2.895	0.0028	21	-30 8	30.81	0.037	21	0.44	2.844	22	31.9	31.48	21	31.9	G0	L	C7	1030	C -30 1111		
89	9.8	9.7W	54	5.736	0.0027	21	-32 51	55.67	0.009	21	0.44	5.687	22	31.9	55.84	21	31.9	F2		C7	1031	C -33 1019		
90	10.1	9.2W	54	11.289	0.0050	13	-35 21	54.76	-0.027	13	0.26	11.218	15	36.0	54.38	21	36.0			C8	951	C -35 1011		
91	9.9	9.6W	54	12.689	-0.0003	21	-31 28	21.10	-0.049	21	0.44	12.695	22	31.9	20.21	21	31.9	G0		C7	1032	C -31 1174		
92	9.8	9.0W	54	24.144	0.0017	13	-36 12	59.37	0.001	13	0.26	24.119	15	36.0	59.38	21	36.0	G5		C8	953	C -36 1105		
93	9.9	9.4W	54	27.785	0.0004	21	-32 59	18.48	0.020	21	0.44	27.777	22	31.9	18.84	21	31.9	G5		C7	1033	C -33 1025		
94	10.2	9.5W	54	29.417	-0.0034	21	-34 26	44.41	-0.059	21	0.44	29.478	22	31.9	43.35	21	31.9	K0	L	C7	1034	C -34 1054		
95	9.4	9.0W	54	35.843	0.0071	21	-31 3	37.97	-0.014	21	0.44	35.715	22	31.9	37.71	21	31.9	G0		C7	1035	C -31 1175		
96	8.4	7.9W	54	37.788	0.0118	05	-39 38	43.59	-0.108	05	0.19	37.622	15	36.0	42.58	21	36.0	G0		C8	955	C*-39 865		
97		7.4T	54	44.917	0.0052	12	-36 54	0.54	0.007	12	0.65	44.653	17	99.3	0.91	15	97.5	K2		GC	3553	C*-37 1099		
98		6.6T	54	47.746	-0.0022	10	-35 34	42.28	-0.003	08	0.52	47.859	17	97.5	42.10	15	91.8	G5		GC	3555	C*-35 1015		
99		7.5T	54	52.875	-0.0006	14	-36 29	50.48	-0.001	11	0.65	52.907	15	01.0	50.43	17	98.0	F5		GC	3557	C -36 1107		
00	10.6	10.1W	54	53.776	0.0022	21	-30 36	36.59	-0.004	21	0.44	53.735	22	31.9	36.51	21	31.9	G0	L	C7	1036	C -30 1121		

194000 — EPOCH 1950 — ORIGINAL EPOCH — -30° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.5	9.3W	2 55 5.569	0.0045	21	-34 2 54.04	0.017	21	0.44	5.488	22	31.9	54.35	21	31.9	F5		C7	1037	C -34 1058
2		6.3T	55 6.074	0.0006	08	-30 3 19.47	-0.002	07	0.45	6.044	17	96.1	19.35	15	93.6	A5		GC	3560	C -30 1122
3	10.4	9.9W	55 9.200	-0.0030	21	-31 3 55.84	-0.040	21	0.44	9.255	22	31.9	55.11	21	31.9	G0		C7	1039	C -31 1180
4	10.7	10.3W	55 10.039	-0.0014	21	-30 48 1.97	-0.047	21	0.44	10.065	22	31.9	1.11	21	31.9	G0	L	C7	1040	C -31 1181
5		7.4T	55 13.217	0.0010	14	-36 37 59.79	-0.003	10	0.64	13.169	17	02.0	59.64	18	98.1	F2		GC	3563	C#-36 1112
6		10.4W	55 19.284	0.0011	21	-30 27 18.84	0.036	21	0.44	19.264	22	31.9	19.48	21	31.9	G2	L	C7	1041	C -30 1123
7		6.3T	55 35.617	0.0001	06	-38 23 27.44	0.009	05	0.23	35.613	07	10.2	27.81	09	08.6	A0		GC	3568	C -38 976
8	9.6	8.1W	55 40.014	-0.0019	18	-37 43 28.61	0.041	18	0.31	40.040	15	36.0	29.18	21	36.0	K0		C8	964	C -38 977
9	10.7	9.9W	55 46.852	0.0044	13	-38 24 48.95	0.031	13	0.26	46.790	15	36.0	49.38	21	36.0	K0	L	C8	965	C -38 979
10	10.3	10.1W	55 48.242	-0.0077	18	-35 36 26.55	-0.305	18	0.31	48.349	15	36.0	22.28	21	36.0	F8	L	C8	966	C -35 1023
11	10.1	9.7W	55 59.092	-0.0095	21	-31 9 40.38	-0.125	21	0.44	59.265	22	31.9	38.11	21	31.9	G5		C7	1042	C -31 1186
12		8.1T	56 15.950	0.0010	11	-33 21 2.45	0.032	10	0.45	15.910	15	09.8	3.77	15	09.0	A2		GC	3581	C -33 1036
13	10.4	10.1W	56 26.061	0.0026	21	-30 29 46.67	-0.027	21	0.44	26.014	22	31.9	46.18	21	31.9	G0	L	C7	1044	C -30 1128
14	10.0	9.5W	56 33.768	-0.0189	30	-39 30 41.87	-0.171	30	0.46	34.032	15	36.0	39.48	21	36.0	G8	L	C8	967	C -39 868
15		7.6T	56 36.206	0.0011	15	-38 11 28.08	0.018	11	0.66	36.154	18	03.0	29.00	19	99.2	G5		GC	3589	C -38 986
16	10.7	10.1W	56 37.786	0.0019	13	-36 3 26.98	-0.014	13	0.26	37.759	15	36.0	26.78	21	36.0	G5	L	C8	969	C -36 1123
17	10.2	9.9W	56 45.288	0.0022	21	-34 7 28.81	-0.020	21	0.44	45.248	22	31.9	28.45	21	31.9	F0	L	C7	1045	C -34 1067
18		6.7T	56 59.494	0.0004	12	-34 23 15.39	-0.013	11	0.61	59.473	15	99.1	14.72	18	98.1	K2		GC	3592	C#-34 1071
19	9.2	8.1W	57 6.762	0.0019	21	-33 6 41.32	-0.027	21	0.44	6.727	22	31.9	40.84	21	31.9	K0		C7	1047	C -33 1040
20	10.0	9.2W	57 12.561	0.0036	18	-37 3 57.23	0.025	18	0.31	12.510	15	36.0	57.58	21	36.0	G5		C8	971	C -37 1110
21	10.8	9.9W	57 28.382	0.0043	06	-39 11 24.20	-0.009	06	0.20	28.321	15	36.0	24.08	21	36.0	K0	L	C8	972	C -39 874
22	10.3	9.8W	57 33.470	-0.0003	21	-31 31 22.45	-0.024	21	0.44	33.476	22	31.9	22.02	21	31.9	G5		C7	1048	C -31 1189
23		6.3T	57 34.529	-0.0001	06	-32 42 20.12	0.001	05	0.26	34.533	09	09.0	20.18	09	05.0	A0		GC	3606	C -33 1042
24	8.5	8.2W	57 41.420	-0.0002	21	-30 22 11.28	-0.033	21	0.44	41.424	22	31.9	10.68	21	31.9	F5		C7	1050	C -30 1137
25	10.0	9.9W	58 3.596	0.0029	21	-30 24 20.74	0.019	21	0.44	3.544	22	31.9	21.08	21	31.9	F5	L	C7	1051	C -30 1139
26	9.9	9.1W	58 8.185	0.0011	21	-31 50 17.54	-0.029	21	0.44	8.165	22	31.9	17.02	21	31.9	K0		C7	1052	C -32 1112
27	9.9	9.9W	58 18.852	0.0001	18	-37 56 8.87	-0.028	18	0.31	18.850	15	36.0	8.48	21	36.0	F5	L	C8	974	C -38 992
28	9.9	9.0W	58 21.723	-0.0011	13	-35 17 32.29	-0.058	13	0.26	21.739	15	36.0	31.48	21	36.0	K0		C8	975	C -35 1039
29	8.9	8.4W	58 22.205	0.0032	09	-37 39 8.56	0.023	09	0.22	22.160	15	36.0	8.88	21	36.0	G0		C8	976	C -37 1119
30	9.7	8.1W	58 33.647	0.0041	06	-34 59 13.75	-0.020	06	0.20	33.589	15	36.0	13.47	21	36.0	K5		C8	977	C -35 1040
31	10.2	10.2W	58 35.090	-0.0013	13	-35 1 31.16	0.023	13	0.26	35.108	15	36.0	31.48	21	36.0			C8	979	C -35 1042
32	9.7	9.2W	58 41.519	0.0214	08	-36 8 9.23	0.061	08	0.22	41.219	15	36.0	10.08	21	36.0	F8		C8	980	C -36 1131
33	8.4	7.4W	58 51.486	0.0022	21	-30 33 30.97	-0.053	21	0.44	51.445	22	31.9	30.01	21	31.9	K0		C7	1054	C -30 1146
34	10.7	10.3W	58 51.508	-0.0020	21	-30 11 1.93	0.075	21	0.44	51.544	22	31.9	3.28	21	31.9	G0	L	C7	1055	C -30 1145
35		7.3T	59 1.095	0.0087	13	-33 18 24.08	0.031	11	0.66	0.651	15	99.0	25.76	18	96.1	F5		GC	3631	C#-33 1049
36		8.4T	59 7.837	0.0030	17	-33 22 48.64	0.048	15	0.80	7.693	18	01.9	51.00	18	01.1	F0		GC	3634	C -33 1050
37	10.4	9.5W	59 11.750	0.0028	10	-36 48 30.87	0.022	10	0.23	11.710	15	36.0	31.18	21	36.0	K0	L	C8	983	C -37 1125
38	10.6	10.4W	59 14.579	0.0021	18	-36 28 40.67	0.015	18	0.31	14.549	15	36.0	40.88	21	36.0	G0	L	C8	984	C -36 1135
39	10.5	10.0W	59 19.696	0.0033	21	-31 15 21.25	0.009	21	0.44	19.635	22	31.9	21.41	21	31.9	G2	L	C7	1058	C -31 1199
40	10.7	9.9W	59 28.859	-0.0003	21	-30 53 14.58	-0.037	21	0.44	28.865	22	31.9	13.91	21	31.9	G5	L	C7	1059	C -31 1200
41	9.4	9.4W	59 35.028	0.0034	15	-38 19 19.15	0.038	15	0.28	34.980	15	36.0	19.68	21	36.0	F5		C8	985	C -38 999
42	9.7	8.9W	59 51.498	-0.0009	21	-30 39 19.89	-0.065	21	0.44	51.515	22	31.9	18.71	21	31.9	K0		C7	1060	C -30 1157
43	10.4	10.2W	59 54.558	-0.0009	21	-31 13 15.87	-0.014	21	0.44	54.575	22	31.9	15.61	21	31.9	G0	L	C7	1061	C -31 1205
44	10.3	10.2W	59 54.685	0.0023	13	-39 39 21.69	0.006	13	0.26	54.652	15	36.0	21.78	21	36.0	F8	L	C8	987	C -39 881
45	10.3	9.3W	3 0 1.936	0.0017	21	-31 33 37.05	0.031	21	0.44	1.906	22	31.9	37.62	21	31.9	K0		C7	1062	C -31 1206
46	11.1	10.6W	0 1.972	-0.0012	21	-30 1 56.21	-0.007	21	0.44	1.994	22	31.9	56.08	21	31.9			C7	1063	C -30 1159
47	9.7	8.9W	0 5.800	0.0008	13	-35 20 7.26	-0.063	13	0.26	5.788	15	36.0	6.38	21	36.0	K0		C8	988	C -35 1050
48	10.2	9.8W	0 8.161	-0.0015	13	-39 43 7.97	-0.028	13	0.26	8.182	15	36.0	7.58	21	36.0	K0	L	C8	989	C -40 785
49	9.7	9.8W	0 11.543	-0.0034	18	-37 5 46.78	-0.057	18	0.31	11.590	15	36.0	45.98	21	36.0	F5		C8	992	C -37 1131
50	9.1	9.2W	0 13.000	0.0030	21	-30 40 46.33	0.021	21	0.44	12.945	22	31.9	46.71	21	31.9	A0		C7	1064	C -30 1160
51	11.1	10.5W	3 0 26.130	0.0002	21	-31 4 20.66	-0.030	21	0.44	26.125	22	31.9	20.11	21	31.9			C7	1065	C -31 1209
52	9.5	9.3W	0 26.705	-0.0000	21	-31 47 24.52	0.016	21	0.44	26.705	22	31.9	24.82	21	31.9	A3		C7	1066	C -32 1125
53	9.5	8.8W	0 39.186	0.0040	18	-38 26 13.54	-0.004	18	0.31	39.130	15	36.0	13.48	21	36.0	K0		C8	994	C -38 1006
54	10.0	9.7W	0 51.438	-0.0016	21	-33 14 54.99	-0.014	21	0.44	51.467	22	31.9	54.74	21	31.9	G0	L	C7	1067	C -33 1056
55	9.8	9.7W	0 51.920	0.0020	21	-31 8 42.95	-0.035	21	0.44	51.885	22	31.9	42.31	21	31.9	A5		C7	1068	C -31 1213
56	10.1	9.7W	0 55.957	-0.0017	21	-33 16 11.36	-0.040	21	0.44	55.987	22	31.9	10.64	21	31.9	G0	L	C7	1069	C -33 1057
57	10.3	10.0W	0 58.481	-0.0014	21	-31 5 29.81	0.017	21	0.44	58.505	22	31.9	30.11	21	31.9	G0	L	C7	1070	C -31 1214
58	10.3	10.2W	1 10.245	0.0025	13	-36 21 13.11	0.041	13	0.26	10.209	15	36.0	13.68	21	36.0	F8	L	C8	995	C -36 1144
59	10.4	9.5W	1 16.244	-0.0013	21	-32 34 30.07	-0.002	21	0.44	16.267	22	31.9	30.04	21	31.9	K2		C7	1071	C -32 1130
60	9.9	9.8W	1 23.806	0.0001	21	-30 5 55.84	0.008	21	0.44	23.804	22	31.9	55.98	21	31.9	F5	L	C7	1072	C -30 1164
61	10.7	9.7W	1 26.330	-0.0030	21	-30 19 30.47	-0.005	21	0.44	26.384	22	31.9	30.38	21	31.9	K2	L	C7	1073	C -30 1165
62	10.4	10.1W	1 31.661	-0.0019	21	-32 12 56.44	-0.123	21	0.44	31.695	22	31.9	54.22	21	31.9	G		C7	1074	C -32 1133
63	9.3	8.9W	1 33.006	-0.0023	21	-33 7 22.37	-0.068	21	0.44	33.047	22	31.9	21.14	21	31.9	G0		C7	1075	C -33 1061
64	9.6	9.5W	1 57.522	0.0066	13	-36 6 28.57	0.051	13	0.26	57.429	15	36.0	29.28	21	36.0	F5		C8	997	C -36 1149
65		8.1T	2 9.621	0.0026	18	-39 21 55.75	0.008	13	0.77	9.503	22	04.9	56.13	21	02.7	G5		GC	3688	C -39 893
66	9.1	8.8W	2 13.817	-0.0007	21	-34 36 9.47	-0.034	21	0.44	13.829	22	31.9	8.85	21	31.9	F8		C7	1076	C -34 1098
67	10.5	10.3W	2 21.525	0.0132	21	-30 45 47.15	0.042	21	0.44	21.285	22	31.9	47.91	21	31.9	G0	L	C7	1077	C -31 1224
68	10.4	9.2W	2 27.353	0.0015	21	-30 38 25.06	0.025	21	0.44	27.325	22	31.9	25.51	21	31.9	K2	L	C7	1078	C -30 1167
69	9.9	9.8W	2 40.374	0.0031	08	-37 9 27.02	-0.017	08	0.22	40.330	15	36.0	26.78	21	36.0	G2	L	C8	999	C -37 1144
70	9.8	8.5W	2 41.705	0.0004	21	-32 45 5.65	-0.017	21	0.44	41.697	22	31.9	5.34	21	31.9	K5		C7	1079	C -33 1068
71	10.4	9.6W	2 42.105	0.0038	21	-31 2 56.08	-0.037	21	0.44	42.035	22	31.9	55.41	21	31.9	K0	L	C7	1080	C -31 1227
72	10.0	9.6W	2 44.587	-0.0006	21	-34 10 36.00	-0.014	21	0.44	44.598	22	31.9	35.75	21	31.9	G0		C7	1081	C -34 1104
73	10.0	9.6W	2 54.494	0.0088	21	-32 27 22.03	-0.089	21	0.44	54.335	22	31.9	20.42	21	31.9	F8		C7	1083	C -32 1143
74	9.3	9.5W	2 56.918	0.0012	09	-38 34 30.00	-0.016	09	0.22	56.901	15	36.0	29.78	21	36.0	A2		C8	1000	C -38 1015
75	10.5	9.7W	3 10.821	-0.0009	21	-33 4 26.98	-0.030	21	0.44	10.837	22	31.9	26.44	21	31.9	G5	L	C7	1084	C -33 1073
76	8.9	8.7W	3 28.350	0.0020	08	-39 54 54.73	-0.011	08	0.22	28.322	15	36.0	54.58	21	36.0	A5		C8	1004	C -40 802
77	10.3	9.3W	3 35.844	0.0017	18	-37 49 27.06	0.044	18	0.31	35.820	15	36.0	27.68	21	36.0	K1	L	C8	1005	C -38 1021
78	9.2	8.1W	3 43.163	0.0008	06	-39 29 41.55	0.002	06	0.20	43.151	15	36.0	41.58	21	36.0	K0		C8	1006	C -39 901
79	9.0	8.1W	3 50.563	0.0051	09	-38 40 38.08	0.000	09	0.22	50.491	15	36.0	38.08	21	36.0	K0		C8	1008	C -38 1023
80		7.5T	3 55.512	-0.0019	12	-37 31 55.02	0.009	11	0.61	55.606	17	00.2	55.48	15	98.7	A2		GC	3717	C#-37 1152
81	9.9	9.8W	3 55.560	0.0030	21	-30 32 47.28	0.107	21	0.44	55.505	22	31.9	49.21	21	31.9	F8	L	C7	1085	C -30 1181
82	10.5	9.3W	4 0.519	-0.0014	21	-30 53 46.47	-0.003	21	0.44	0.545	22	31.9	46.41	21	31.9	K5	L	C7	1086	C -31 1236
83	9.7	8.6W	4 12.358	0.0000	21	-33 38 25.19	-0.030	21	0.44	12.358	22	31.9	24.65	21	31.9	K0		C7	1087	C -33 1080
84	9.7	9.5W	4 12.772	-0.0035	21	-31 30 23.25	-0.074	21	0.44	12.835	22	31.9	21.92	21	31.9	G0		C7	1088	C -31 1239
85	10.0	9.4W	4 21.818	0.0062	13	-37 48 37.14	0.046	13	0.26	21.730	15	36.0	37.78	21	36.0	K2	L	C8	1010	C -38 1024
86	10.3	10.2W	4 28.580	0.0014	18	-36 58 7.14	0.024	18	0.31	28.560	15	36.0	7.48	21	36.0	F5	L	C8	1011	C -37 1156
87	9.7	9.0W	4 32.004	-0.0013	21	-32 51 34.40	-0.031	21	0.44	32.027	22	31.9	33.84	21	31.9	G5		C7	1089	C -33 1082
88		7.3T	4 33.918	-0.0019	13	-30 10 44.51	-0.035	10	0.63	34.017	17	98.9	42.55	18	94.4	K0		GC	3727	C#-30 1185
89	10.1	9.7W	4 34.222	0.0024	21	-34 3 53.44	-0.022	21	0.44	34.178	22	31.9	53.05	21	31.9	G2	L	C7	1091	C -34 1120
90	10.4	10.1W	4 37.485	0.0054	21	-33 26 31.06	-0.007	21	0.44	37.387	22	31.9	30.94	21	31.9	G0	L	C7	1092	C -33 1083
91	8.8E	7.5H	4 40.074	0.0001	12	-39 58 20.22	0.020	12	0.68	40.069	28	97.9	21.25	26	97.9	K5		CZ	1467	P -40 271
92	9.7	9.6W	4 40.578	-0.0032	13	-39 34 30.64	0.010	13	0.26	40.622	15	36.0	30.78	21	36.0	F5		C8	1014	C -39 908
93	9.5	8.6W	4 48.781	0.0035	21	-33 46 26.71	0.002	21	0.44	48.718	22	31.9	26.75	21	31.9	K5		C7	1093	C -34 1122
94	9.6	8.8W	4 49.597	0.0011	21	-32 54 18.78	0.014	21	0.44	49.577	22	31.9	19.04	21	31.9	K0		C7	1094	C -33 1085
95	9.7	9.6W	4 56.107	-0.0004	21	-30 50 36.47	-0.014	21	0.44	56.115	22	31.9	36.21	21	31.9	F5	L	C7	1095	C -31 1241
96	9.8	8.9W	5 8.239	0.0001	21	-33 29 32.80	-0.009	21	0.44	8.237	22	31.9	32.64	21	31.9	G5		C7	1096	C -33 1087
97		7.5T	5 10.023	0.0032	11	-32 32 34.12	-0.002	11	0.59	9.857	15	97.9	34.02	17	95.7	K0		GC	3737	C -32 1159
98	10.8	10.1W	5 32.116	-0.0016	21	-31 39 37.68	-0.059	21	0.44	32.145	22	31.9	36.62	21	31.9	G5	L	C7	1098	C -31 1246
99	9.7	8.6W	5 32.732	-0.0004	21	-34 50 41.22	-0.031	21	0.44	32.739	22	31.9	40.65	21	31.9	K5		C7	1099	C -35 1082
00	11.0	10.1W	5 47.526	0.0022	21	-30 46 38.32	-0.017	21	0.44	47.485	22	31.9	38.01	21	31.9	G5	L	C7	1100	C -31 1247

194100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 3H DM NUMBER
1	9.6	9.5W	3 5 49.230	0.0050	13	-35 57 58.24	-0.004	13	0.26	49.159	15	36.0	58.18	21	36.0	G0		C8	1016	C -36 1172
2	9.9	9.7W	5 51.115	-0.0013	21	-33 59 11.37	-0.007	21	0.44	51.138	22	31.9	11.25	21	31.9	F2	L	C7	1101	C -34 1131
3		7.3T	5 51.783	0.0040	12	-30 30 16.66	-0.011	12	0.65	51.577	15	98.1	16.05	15	96.3	A2		GC	3749	C -30 1195
4	8.1	8.2W	5 57.705	-0.0000	21	-31 49 53.60	-0.027	21	0.44	57.705	22	31.9	53.12	21	31.9	A3		C7	1103	C -32 1162
5	9.8	9.6W	6 5.637	0.0011	13	-39 2 0.03	-0.025	13	0.26	5.621	15	36.0	59.68	21	36.0	F5	L	C8	1018	C -39 915
6		8.5T	6 6.705	0.0006	12	-39 29 36.16	-0.195	09	0.44	6.682	17	12.4	28.36	17	10.0	G0		GC	3754	C -39 917
7	10.3	10.0W	6 12.164	-0.0019	13	-36 45 52.99	-0.065	13	0.26	12.190	15	36.0	52.08	21	36.0	G0	L	C8	1020	C -37 1171
8	8.7	8.3W	6 30.811	-0.0007	07	-38 2 39.92	0.097	07	0.21	30.820	15	36.0	41.28	21	36.0	G0		C8	1023	C -38 1038
9		7.1T	6 43.691	-0.0027	10	-35 37 16.95	-0.109	08	0.52	43.832	18	96.6	10.65	17	92.2	G0		GC	3771	C -35 1092
10	10.3	10.0W	6 51.235	0.0032	18	-36 30 8.02	-0.003	18	0.31	51.190	15	36.0	7.98	21	36.0	G2	L	C8	1025	C -36 1176
11	10.2	10.2W	6 53.521	0.0022	18	-37 21 51.21	-0.024	18	0.31	53.490	15	36.0	50.88	21	36.0	F5	L	C8	1026	C -37 1174
12	9.7	9.5W	6 54.404	0.0032	13	-36 13 59.60	-0.037	13	0.26	54.359	15	36.0	59.08	21	36.0	G0		C8	1027	C -36 1177
13	10.0	9.8W	7 3.090	0.0034	13	-39 48 17.46	0.194	13	0.26	3.042	15	36.0	20.18	21	36.0	G5		C8	1029	C -40 815
14	10.6	10.2W	7 10.158	-0.0009	21	-30 32 1.09	0.051	21	0.44	10.175	22	31.9	2.01	21	31.9	G5	L	C7	1104	C -30 1203
15	10.4	10.1W	7 10.830	-0.0019	21	-30 54 18.10	-0.010	21	0.44	10.865	22	31.9	17.91	21	31.9	G2	L	C7	1105	C -31 1255
16	8.7	8.6W	7 15.929	-0.0066	21	-34 7 10.34	-0.088	21	0.44	16.048	22	31.9	8.75	21	31.9	F5		C7	1106	C -34 1139
17	10.3	10.0W	7 16.757	0.0035	21	-30 15 50.71	0.203	21	0.44	16.694	22	31.9	54.38	21	31.9	G5	L	C7	1107	C -30 1205
18	11.1	10.2W	7 18.429	0.0030	21	-30 35 37.47	0.008	21	0.44	18.375	22	31.9	37.61	21	31.9	K	L	C7	1108	C -30 1206
19	9.7	9.4W	7 25.159	0.0001	21	-32 33 27.97	-0.002	21	0.44	25.157	22	31.9	27.94	21	31.9	G0	L	C7	1109	C -32 1170
20	9.5	10.0W	7 25.585	0.0011	13	-36 9 18.12	0.004	13	0.26	25.569	15	36.0	18.18	21	36.0	B8		C8	1030	C -36 1181
21		7.9T	7 29.800	-0.0000	18	-31 26 35.87	0.023	13	0.77	29.801	19	03.8	36.94	19	02.5	G5		GC	3784	C -31 1262
22	9.3	8.6W	7 33.332	-0.0006	07	-38 2 50.77	-0.099	07	0.21	33.340	15	36.0	49.38	21	36.0	G0		C8	1032	C*-38 1046
23	9.3	9.1W	7 56.690	-0.0014	21	-31 58 59.93	0.021	21	0.44	56.715	22	31.9	+ 0.32	21	31.9	F8		C7	1111	C -32 1177
24	9.7	8.9W	7 59.765	0.0056	21	-30 6 44.19	0.011	21	0.44	59.664	22	31.9	44.38	21	31.9	K0		C7	1112	C -30 1209
25	11.2	10.7W	8 2.915	0.0006	21	-30 37 25.55	0.070	21	0.44	2.905	22	31.9	26.81	21	31.9			C7	1113	C -30 1211
26	9.1	8.9W	8 10.160	0.0029	21	-33 32 14.47	0.004	21	0.44	10.108	22	31.9	14.55	21	31.9	F5		C7	1114	C -33 1107
27	9.1	8.0W	8 11.543	0.0039	13	-35 7 12.47	0.008	13	0.26	11.488	15	36.0	12.58	21	36.0	K2		C8	1033	C -35 1098
28	10.0	9.9W	8 12.170	-0.0010	21	-34 0 16.99	-0.008	21	0.44	12.188	22	31.9	16.85	21	31.9	F8	L	C7	1115	C -34 1146
29	8.5	8.6W	8 16.789	-0.0055	21	-34 17 59.72	-0.037	21	0.44	16.888	22	31.9	59.05	21	31.9	A2		C7	1116	C -34 1148
30	9.7	9.3W	8 18.599	0.0030	21	-31 18 56.05	0.020	21	0.44	18.545	22	31.9	56.41	21	31.9	G0		C7	1117	C -31 1266
31	9.4	7.9W	8 26.037	0.0055	21	-33 14 18.85	-0.012	21	0.44	25.937	22	31.9	18.64	21	31.9	MA		C7	1118	C -33 1110
32	8.4	8.2W	8 36.818	0.0016	21	-34 45 17.18	0.004	21	0.44	36.789	22	31.9	17.25	21	31.9	G0		C7	1119	C -35 1100
33	9.9	8.9W	8 41.594	-0.0000	21	-30 43 58.15	-0.057	21	0.44	41.595	22	31.9	57.11	21	31.9	K2		C7	1120	C -31 1269
34		7.0T	8 49.080	-0.0043	13	-39 14 23.98	0.011	11	0.65	49.289	21	01.3	24.56	19	97.4	A2		GC	3807	C -39 929
35	9.7	9.4W	8 55.474	0.0017	18	-37 22 15.13	-0.032	18	0.31	55.450	15	36.0	14.68	21	36.0	G0		C8	1036	C -37 1185
36	10.8	10.1W	8 59.632	0.0064	21	-30 51 3.93	-0.095	21	0.44	59.515	22	31.9	2.21	21	31.9	G5	L	C7	1121	C -31 1271
37	10.1	9.4W	9 3.093	0.0035	21	-34 49 18.31	-0.047	21	0.44	3.029	22	31.9	17.45	21	31.9	K0	L	C7	1122	C -35 1104
38	9.6	8.4W	9 6.318	0.0007	21	-32 16 24.00	-0.005	21	0.44	6.305	22	31.9	23.92	21	31.9	K0		C7	1123	C -32 1185
39	9.2	9.1W	9 7.516	-0.0011	21	-30 41 18.64	-0.029	21	0.44	7.535	22	31.9	18.11	21	31.9	G0		C7	1124	C -30 1216
40	10.6	9.5W	9 8.079	0.0014	13	-35 47 26.42	-0.003	13	0.26	8.059	15	36.0	26.38	21	36.0	K1	L	C8	1037	C -36 1196
41	10.9	10.6W	9 17.873	-0.0006	21	-30 53 47.89	-0.010	21	0.44	17.885	22	31.9	47.71	21	31.9			C7	1125	C -31 1273
42	10.8	10.0W	9 20.498	0.0001	21	-30 52 13.58	-0.009	21	0.44	20.495	22	31.9	13.41	21	31.9	K0	L	C7	1126	C -31 1274
43	9.6	8.6W	9 26.756	0.0047	15	-38 12 24.83	-0.018	15	0.28	26.690	15	36.0	24.58	21	36.0	G5		C8	1038	C -38 1050
44	9.7	9.1W	9 43.341	0.0012	21	-34 39 20.32	-0.026	21	0.44	43.319	22	31.9	19.85	21	31.9	G5	L	C7	1127	C -34 1153
45	8.7	8.8W	9 47.209	0.0019	21	-30 27 49.81	0.026	21	0.44	47.174	22	31.9	50.28	21	31.9	A5		C7	1128	C -30 1223
46	8.5	8.6W	9 50.800	0.0007	21	-32 58 3.38	0.003	21	0.44	50.787	22	31.9	3.44	21	31.9	A2		C7	1129	C -33 1122
47	9.9	9.3W	9 51.581	-0.0002	21	-30 57 49.36	0.014	21	0.44	51.585	22	31.9	49.61	21	31.9	K0	L	C7	1130	C -31 1276
48		6.9T	9 58.610	0.0058	12	-39 12 35.94	-0.023	10	0.64	58.318	22	99.7	34.68	19	95.1	F5		GC	3832	C -39 935
49		7.0T	10 4.286	0.0071	17	-39 33 9.92	0.004	13	0.76	3.947	17	02.3	10.11	17	00.2	K0		GC	3834	C*-39 936
50	9.3	8.0W	10 11.568	-0.0008	13	-35 4 11.86	-0.006	13	0.26	11.579	15	36.0	11.78	21	36.0	K5		C8	1046	C -35 1109
51	9.4	8.5W	3 10 18.479	0.0008	21	-31 53 24.91	-0.077	21	0.44	18.465	22	31.9	23.52	21	31.9	K0		C7	1131	C -32 1192
52	9.9	9.1W	10 22.404	0.0039	13	-35 59 47.11	-0.038	13	0.26	22.349	15	36.0	46.58	21	36.0	G8	L	C8	1047	C -36 1206
53		7.0T	10 28.287	0.0074	13	-32 35 1.64	0.018	12	0.66	27.919	18	00.2	2.57	18	98.7	K0		GC	3842	C*-32 1194
54	8.7	7.9W	10 31.608	0.0063	21	-30 20 31.87	0.001	21	0.44	31.494	22	31.9	31.88	21	31.9	K0		C7	1133	C -30 1227
55	10.4	9.9W	10 32.279	0.0092	13	-38 17 16.47	-0.021	13	0.26	32.150	15	36.0	16.18	21	36.0	G5	L	C8	1048	C -38 1059
56	10.7	9.7W	10 33.049	0.0013	13	-38 22 13.43	-0.018	13	0.26	33.030	15	36.0	13.18	21	36.0	K0	L	C8	1049	C -38 1060
57		7.1T	10 33.831	0.0009	16	-31 18 56.68	0.012	11	0.72	33.789	19	01.3	57.29	18	97.6	K0		GC	3843	C -31 1282
58	9.1	8.3W	10 39.650	-0.0022	18	-38 0 15.34	-0.033	18	0.31	39.680	15	36.0	14.88	21	36.0	G5		C8	1050	C -38 1062
59	10.5	10.1W	10 43.562	0.0004	21	-31 34 34.62	-0.017	21	0.44	43.556	22	31.9	34.32	21	31.9	K0	L	C7	1136	C -31 1283
60	10.0	9.9W	10 46.753	-0.0062	21	-32 23 56.06	-0.124	21	0.44	46.865	22	31.9	53.82	21	31.9	F5	L	C7	1137	C -32 1200
61	10.4	9.9W	10 54.529	0.0080	21	-30 9 15.34	-0.020	21	0.44	54.384	22	31.9	14.98	21	31.9	G0	L	C7	1138	C -30 1230
62	9.9	9.5W	10 55.571	0.0079	13	-38 18 37.88	0.007	13	0.26	55.460	15	36.0	37.98	21	36.0	F8	L	C8	1052	C -38 1064
63		6.2T	11 3.898	-0.0002	09	-36 7 48.30	0.002	07	0.49	3.912	17	94.5	48.42	15	89.4	B9		GC	3851	C -36 1208
64	8.6	8.2W	11 5.771	-0.0057	09	-37 9 1.12	-0.146	09	0.22	5.850	15	36.0	59.08	21	36.0	F8		C8	1055	C -37 1202
65	9.1	8.9W	11 7.997	0.0043	21	-34 33 44.70	0.003	21	0.44	7.919	22	31.9	44.75	21	31.9	G5		C7	1139	C -34 1162
66	9.7	8.9W	11 10.987	0.0019	13	-36 39 57.02	-0.003	13	0.26	10.960	15	36.0	56.98	21	36.0	G5		C8	1056	C -36 1209
67	10.0	9.1W	11 11.247	0.0071	21	-33 44 48.66	-0.028	21	0.44	11.118	22	31.9	48.15	21	31.9	G5		C7	1140	C -34 1163
68	8.8	9.0W	11 35.166	0.0023	21	-30 24 30.65	0.002	21	0.44	35.124	22	31.9	30.68	21	31.9	A5		C7	1143	C -30 1239
69	10.2	9.3W	11 35.923	0.0052	13	-36 35 1.04	-0.033	13	0.26	35.850	15	36.0	0.58	21	36.0	K0	L	C8	1058	C -36 1210
70	8.6	7.5W	11 51.926	0.0027	21	-33 0 54.80	0.002	21	0.44	51.877	22	31.9	54.84	21	31.9	K0		C7	1144	C -33 1132
71	10.1	9.8W	11 52.239	0.0047	21	-30 1 16.30	-0.073	21	0.44	52.154	22	31.9	14.98	21	31.9	G5	L	C7	1145	C -30 1240
72		6.9T	11 56.794	-0.0032	07	-38 59 39.62	-0.045	06	0.28	56.926	10	08.6	37.57	10	04.5	A0		GC	3868	C*-39 950
73	10.1	9.3W	12 4.914	-0.0012	18	-37 58 15.18	-0.014	18	0.31	4.930	15	36.0	14.98	21	36.0	K0	L	C8	1060	C -38 1066
74	10.0	9.3W	12 14.666	-0.0029	21	-33 47 55.42	-0.065	21	0.44	14.718	22	31.9	54.25	21	31.9	G5		C7	1146	C -34 1168
75	10.2	9.9W	12 15.235	0.0004	21	-32 50 19.26	-0.075	21	0.44	15.227	22	31.9	17.84	21	31.9	G5	L	C7	1147	C -33 1136
76		6.9H	12 42.041	0.0024	03	-35 44 34.04	0.012	03	0.12	41.952	06	13.6	34.44	05	15.1	G0		F4	1090	C -36 1218
77	9.1	8.7W	12 45.654	0.0042	21	-34 2 47.42	-0.015	21	0.44	45.578	22	31.9	47.15	21	31.9	F8		C7	1148	C -34 1174
78	10.5	10.4W	12 47.436	0.0012	21	-30 27 51.93	0.047	21	0.44	47.414	22	31.9	52.78	21	31.9	G0	L	C7	1149	C -30 1247
79	10.5	10.5W	12 48.678	0.0001	21	-30 55 12.25	-0.002	21	0.44	48.675	22	31.9	12.21	21	31.9	G0	L	C7	1150	C -31 1295
80	8.6	8.5W	12 49.084	-0.0008	21	-33 36 50.34	0.006	21	0.44	49.098	22	31.9	50.45	21	31.9	F0		C7	1151	C -33 1140
81	8.4	8.3W	13 13.424	-0.0005	13	-39 14 10.90	0.020	13	0.26	13.431	15	36.0	11.18	21	36.0	F0		C8	1068	C -39 957
82		9.7T	13 13.903	-0.0000	18	-39 40 55.66	-0.011	14	0.81	13.903	22	03.6	55.10	21	99.4	K0		GC	3896	C -39 958
83	10.5	9.7W	13 14.017	0.0040	07	-36 34 57.24	0.017	07	0.21	13.960	15	36.0	57.48	21	36.0	K0	L	C8	1069	C -36 1222
84	8.9	8.7W	13 21.166	0.0054	18	-37 13 33.12	-0.010	18	0.31	21.090	15	36.0	32.98	21	36.0	F5		C8	1071	C -37 1218
85	10.0	9.9W	13 24.147	-0.0004	21	-30 35 41.18	0.013	21	0.44	24.155	22	31.9	41.41	21	31.9	F2	L	C7	1154	C -30 1253
86	10.0	9.9W	13 26.275	-0.0090	21	-33 49 47.26	-0.023	21	0.44	26.438	22	31.9	46.85	21	31.9	G5		C7	1155	C -34 1179
87	9.1	7.7W	13 29.225	0.0026	13	-35 1 41.05	-0.041	13	0.26	29.189	15	36.0	40.48	21	36.0	K5		C8	1072	C -35 1140
88		7.4T	13 30.960	-0.0017	13	-39 11 3.31	0.034	11	0.66	31.043	22	00.5	5.16	19	95.4	F2		GC	3905	C -39 961
89		8.7T	13 31.030	0.0020	18	-33 21 28.09	0.020	13	0.77	30.940	22	04.6	29.05	22	02.3	K0		GC	3906	C -33 1144
90		7.0T	13 34.927	0.0015	16	-39 56 47.72	-0.006	13	0.75	34.853	14	00.5	47.40	15	98.1	K0		GC	3908	C -40 839
91	10.0	8.8W	13 37.867	-0.0002	18	-38 52 54.10	-0.016	18	0.31	37.871	15	36.0	53.88	21	36.0	K1	L	C8	1074	C -39 963
92	10.6	10.5W	13 46.368	0.0072	21	-32 58 58.35	0.016	21	0.44	46.437	22	31.9	58.64	21	31.9	G0		C7	1157	C -33 1145
93	10.1	9.8W	13 47.316	0.0018	13	-37 25 2.80	-0.023	13	0.26	47.290	15	36.0	2.48	21	36.0	G		C8	1077	C -37 1223
94	9.6	9.5W	13 48.138	0.0039	21	-32 59 11.54	-0.011	21	0.44	48.067	22	31.9	11.34	21	31.9	G0		C7	1158	C -33 1146
95	10.6	10.3W	13 48.384	0.0011	21	-31 11 50.76	-0.102	21	0.44	48.365	22	31.9	48.91	21	31.9	G0	L	C7	1159	C -31 1300
96	9.1	7.7W	13 51.052	-0.0007	08	-39 14 47.30	-0.030	08	0.22	51.061	15	36.0	46.88	21	36.0	K5		C8	1078	C -39 965
97		6.6T	14 7.582	0.0020	06	-31 0 40.08	0.007	06	0.29	7.494	12	05.6	40.39	12	02.4	B9		GC	3917	C -31 1303
98	10.5	9.9W	14 7.729	0.0020	18	-37 36 22.41	0.005	18	0.31	7.700	15	36.0	22.48	21	36.0	G8	L	C8	1079	C -37 1224
99	10.4	9.7W	14 12.638	-0.0002	13	-36 31 19.56	-0.013	13	0.26	12.640	15	36.0	19.38	21	36.0	K0	L	C8	1080	C -36 1228
00	9.8	9.7W	14 28.086	0.0078	21	-31 50 11.96	0.014	21	0.44	27.945	22	31.9	12.22	21	31.9	G0		C7	1161	C -32 1227

194200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	STAR NUMBER	-30° 3H DM NUMBER
1	9.6	9.5W	3 14 31.208	-0.0033	21	-33 0 10.86	0.010	21	0.44	31.267	22	31.9	11.04	21	31.9	G0		C7	1162	C -33 1153
2		7.0T	14 35.050	0.0020	06	-35 52 26.46	-0.011	05	0.26	34.971	09	09.5	26.96	10	04.1	A2		GC	3928	C -36 1232
3	10.2	9.5W	14 35.910	-0.0021	21	-34 3 38.42	-0.037	21	0.44	35.948	22	31.9	37.75	21	31.9	G5		C7	1163	C -34 1188
4	9.9	9.5W	14 43.674	-0.0028	21	-32 16 20.31	0.000	21	0.44	43.725	22	31.9	20.32	21	31.9	G0		C7	1164	C -32 1229
5	10.4	9.9W	14 44.300	0.0014	21	-32 11 4.04	0.015	21	0.44	44.275	22	31.9	4.32	21	31.9	G5		C7	1165	C -32 1230
6		6.9H	14 52.086	0.0013	05	-31 32 4.24	-0.024	03	0.14	52.046	08	18.5	3.60	07	23.1	A0		F4	1092	C -31 1305
7	9.3	8.8W	14 54.751	0.0044	13	-35 53 45.51	0.012	13	0.26	54.689	15	36.0	45.68	21	36.0	G0		C8	1085	C -36 1234
8	10.2	9.2W	14 55.211	-0.0013	18	-34 59 8.21	-0.003	18	0.31	55.229	15	36.0	8.17	21	36.0	K0	L	C8	1086	C -35 1150
9	8.8	8.6W	14 57.406	0.0027	21	-33 6 33.00	0.002	21	0.44	57.357	22	31.9	33.04	21	31.9	G5		C7	1167	C -33 1156
10	10.3	9.5W	15 22.166	-0.0002	21	-34 43 40.28	-0.040	21	0.44	22.169	22	31.9	39.55	21	31.9	G5		C7	1168	C -34 1194
11	10.1	9.8W	15 35.139	0.0005	23	-39 51 27.64	0.010	23	0.37	35.132	15	36.0	27.78	21	36.0	F8	L	C8	1088	C -40 856
12	9.9	9.5W	15 36.243	0.0015	21	-31 25 24.23	0.010	21	0.44	36.215	22	31.9	24.41	21	31.9	G0		C7	1169	C -31 1310
13			15 37.422	0.0080	23	-37 16 16.81	0.026	23	0.37	37.310	15	36.0	17.18	21	36.0	F8	L	C8	1089	C -37 1232
14	10.0	9.9W	15 37.626	-0.0023	21	-33 25 38.08	-0.185	21	0.44	37.667	22	31.9	34.74	21	31.9	G0		C7	1170	C -33 1159
15	10.5	9.8W	15 45.250	-0.0019	21	-31 9 7.91	-0.033	21	0.44	45.285	22	31.9	7.31	21	31.9	G5		C7	1171	C -31 1312
16	9.8	8.3W	15 47.678	0.0005	13	-39 8 38.47	0.008	13	0.26	47.671	15	36.0	38.58	21	36.0	MA		C8	1090	C -39 971
17	11.1	10.3W	15 56.055	-0.0018	21	-32 42 21.66	-0.062	21	0.44	56.087	22	31.9	20.54	21	31.9			C7	1172	C -32 1234
18	9.6	9.3W	16 0.185	-0.0011	18	-38 9 58.26	-0.027	18	0.31	0.200	15	36.0	57.88	21	36.0	F5		C8	1092	C -38 1088
19	10.4		16 10.430	0.0029	13	-36 28 8.79	-0.008	13	0.26	10.389	15	36.0	8.68	21	36.0	A8	L	C8	1093	C -36 1242
20		8.0T	16 16.809	-0.0018	11	-38 33 39.29	-0.008	09	0.55	16.898	17	00.3	38.85	18	95.5	G5		GC	3958	C*-38 1090
21	10.0	9.5W	16 17.110	-0.0029	13	-36 20 22.14	-0.026	13	0.26	17.069	15	36.0	21.78	21	36.0	G		C8	1096	C -36 1244
22	10.8		16 24.756	-0.0003	09	-37 31 33.67	-0.035	09	0.22	24.760	15	36.0	33.18	21	36.0	F8	L	C8	1097	C -37 1240
23	9.8	9.7W	16 24.797	-0.0008	30	-35 19 22.12	0.004	30	0.46	24.809	15	36.0	22.18	21	36.0	F5	L	C8	1098	C -35 1158
24		8.2T	16 41.925	-0.0006	13	-38 29 0.86	0.041	11	0.65	41.953	22	02.0	2.98	22	98.2	K0		GC	3967	C*-38 1093
25		8.2T	16 42.627	-0.0008	15	-35 20 54.46	0.002	12	0.67	42.666	19	02.7	54.55	19	00.9	K5		GC	3968	C -35 1161
26	8.3	8.2W	16 56.229	0.0028	14	-36 18 28.50	-0.009	14	0.27	56.189	15	36.0	28.38	21	36.0	F0		C8	1101	C -36 1250
27	9.1	8.9W	17 3.518	0.0072	21	-34 17 15.69	0.108	21	0.44	3.388	22	31.9	17.65	21	31.9	F8		C7	1173	C -34 1207
28	8.8	8.7W	17 14.759	-0.0015	13	-35 40 31.39	0.021	13	0.26	14.779	15	36.0	31.68	21	36.0	F5		C8	1104	C -35 1168
29		7.0T	17 19.688	-0.0009	11	-35 11 3.91	-0.025	09	0.57	19.737	15	96.1	2.41	15	90.1	F0		GC	3982	C*-35 1169
30	9.0	8.9W	17 25.057	0.0001	21	-31 44 29.69	0.051	21	0.44	25.056	22	31.9	30.62	21	31.9	F8		C7	1174	C -32 1244
31	8.0	7.7W	17 27.242	0.0108	07	-36 44 46.21	0.069	07	0.21	27.090	15	36.0	47.18	21	36.0	F2		C8	1107	C -37 1246
32	10.1	9.5W	17 30.347	-0.0015	21	-30 2 35.53	0.014	21	0.44	30.374	22	31.9	35.78	21	31.9	K0	L	C7	1175	C -30 1280
33	9.8	9.2W	17 39.398	0.0044	21	-34 12 15.26	-0.028	21	0.44	39.318	22	31.9	14.75	21	31.9	G5		C7	1176	C -34 1211
34	8.4	8.5W	17 49.860	-0.0019	21	-30 24 20.59	0.044	21	0.44	49.894	22	31.9	21.38	21	31.9	F2		C7	1177	C -30 1284
35	9.7	9.6W	17 54.222	-0.0001	21	-31 20 4.68	-0.081	21	0.44	54.225	22	31.9	3.21	21	31.9	F8		C7	1178	C -31 1327
36		7.5T	17 58.225	0.0001	15	-34 11 30.36	0.010	12	0.70	58.219	15	01.0	30.88	18	98.2	G5		GC	4001	C -34 1213
37	10.8	9.7W	18 16.286	-0.0025	18	-37 51 29.26	0.023	18	0.31	16.320	15	36.0	29.58	21	36.0	K0	L	C8	1110	C -38 1100
38	9.9	8.6W	18 38.892	0.0030	13	-36 19 35.79	-0.015	13	0.26	38.849	15	36.0	35.58	21	36.0	K0		C8	1112	C -36 1257
39	7.8	8.0W	18 40.963	0.0009	06	-36 57 15.95	-0.005	06	0.20	40.950	15	36.0	15.88	21	36.0	A0		C8	1113	C -37 1254
40	10.5	9.4W	18 44.903	0.0010	08	-35 22 40.52	-0.031	08	0.22	44.889	15	36.0	40.08	21	36.0	K0		C8	1115	C -35 1183
41	9.8	10.0W	18 46.173	0.0010	21	-31 52 42.98	-0.020	21	0.44	46.156	22	31.9	42.62	21	31.9	A5		C7	1180	C -32 1253
42	8.6	8.5W	18 58.370	0.0001	21	-33 44 5.00	-0.058	21	0.44	58.368	22	31.9	3.95	21	31.9	F5		C7	1181	C -34 1220
43	10.4	9.6W	19 2.807	-0.0004	21	-30 22 7.61	0.054	21	0.43	2.814	22	32.0	8.58	21	32.0	G5	L	C7	1182	C -30 1287
44		10.4W	19 2.824	-0.0022	21	-30 28 42.15	0.024	21	0.43	2.864	22	32.0	42.58	21	32.0			C7	1183	C -30 1286
45	9.1	7.7W	19 4.389	0.0020	07	-37 37 43.45	-0.012	07	0.21	4.360	15	36.0	43.28	21	36.0	K5		C8	1116	C -37 1255
46	9.9	9.9W	19 13.995	-0.0022	21	-31 10 16.83	-0.027	21	0.43	14.035	22	32.0	17.31	21	32.0	G0		C7	1184	C -31 1336
47	9.7	9.1W	19 15.124	0.0017	21	-30 9 55.53	-0.080	21	0.43	15.094	22	32.0	54.08	21	32.0	K0		C7	1185	C -30 1288
48	10.5	9.6W	19 20.897	0.0027	21	-34 3 51.49	0.014	21	0.43	20.848	22	32.0	51.75	21	32.0	K0		C7	1186	C -34 1224
49	9.2	8.9W	19 31.688	0.0095	21	-32 35 48.08	0.003	21	0.43	31.517	22	32.0	48.14	21	32.0	G5		C7	1187	C -32 1259
50	9.5	9.2W	19 34.363	0.0009	18	-37 11 9.67	-0.006	18	0.31	34.350	15	36.0	9.58	21	36.0	A5		C8	1118	C -37 1257
51		8.1T	3 19 41.972	0.0006	15	-31 17 30.04	-0.010	13	0.71	41.944	18	01.8	29.52	18	99.8	F0		GC	4025	C -31 1340
52	10.4	10.4W	19 48.390	-0.0008	21	-30 47 28.90	-0.038	21	0.43	48.405	22	32.0	28.21	21	32.0	G0	L	C7	1189	C -31 1341
53	10.6	10.4W	19 53.940	0.0020	21	-30 33 7.20	0.023	21	0.43	53.905	22	32.0	7.61	21	32.0	G5	L	C7	1190	C -30 1293
54	9.8	9.3W	19 57.527	0.0019	18	-38 26 37.85	-0.012	18	0.31	57.500	15	36.0	37.68	21	36.0	G0		C8	1119	C -38 1110
55	10.0	9.9W	19 58.265	-0.0013	21	-33 30 9.92	-0.021	21	0.43	58.288	22	32.0	9.55	21	32.0	G0		C7	1191	C -33 1190
56	10.3	10.3W	19 58.787	-0.0043	21	-31 16 59.17	-0.020	21	0.43	58.865	22	32.0	58.81	21	32.0	G0		C7	1192	C -31 1342
57	9.9	9.5W	19 59.167	-0.0045	13	-35 35 33.73	-0.054	13	0.26	59.229	15	36.0	32.98	21	36.0	F8		C8	1120	C -35 1193
58	10.8	10.6W	20 1.072	0.0037	21	-31 57 30.08	0.085	21	0.43	1.006	22	32.0	31.62	21	32.0			C7	1193	C -32 1264
59	9.8	9.2W	20 9.253	0.0030	09	-36 48 23.25	-0.005	09	0.22	9.210	15	36.0	23.18	21	36.0	G5	L	C8	1121	C -37 1262
60	10.2	10.0W	20 11.866	-0.0011	21	-31 29 50.82	-0.106	21	0.43	11.885	22	32.0	48.91	21	32.0	G0		C7	1194	C -31 1344
61	9.9	9.2W	20 21.259	0.0034	21	-33 10 18.70	-0.037	21	0.43	21.197	22	32.0	18.04	21	32.0	G0		C7	1195	C -33 1191
62	10.4	10.0W	20 24.495	0.0039	10	-36 48 54.01	-0.031	10	0.23	24.440	15	36.0	53.58	21	36.0	G5	L	C8	1123	C -37 1263
63	10.0	8.9W	20 28.232	-0.0004	21	-34 49 6.24	0.012	21	0.43	28.239	22	32.0	6.45	21	32.0	K0		C7	1196	C -35 1198
64	10.0	9.3W	20 31.469	0.0053	21	-30 22 9.42	0.237	21	0.43	31.374	22	32.0	13.68	21	32.0	K2		C7	1197	C -30 1299
65		8.6T	20 49.535	0.0033	18	-38 38 11.99	0.004	13	0.77	49.387	24	05.3	12.18	24	02.7	K0		GC	4042	C -38 1115
66	9.2	8.4W	20 52.460	0.0057	07	-36 45 18.60	-0.016	07	0.21	52.380	15	36.0	18.38	21	36.0	G5		C8	1126	C -37 1265
67	9.0	8.7W	21 38.281	0.0028	07	-38 33 16.35	0.009	07	0.21	38.241	15	36.0	16.48	21	36.0	F8		C8	1129	C -38 1120
68		6.5T	21 44.087	0.0014	06	-32 53 1.15	-0.002	05	0.30	44.021	10	02.8	1.06	12	99.8	K0		GC	4060	C*-33 1202
69	9.8	9.4W	21 45.406	-0.0000	21	-32 14 29.59	-0.043	21	0.43	45.405	22	32.0	28.82	21	32.0	G0		C7	1199	C -32 1273
70	9.5	8.7W	21 56.072	0.0009	21	-30 43 8.68	-0.015	21	0.43	56.055	22	32.0	8.41	21	32.0	K2		C7	1200	C -31 1365
71	10.7	10.6W	21 58.515	0.0006	21	-30 5 46.01	0.082	21	0.43	58.504	22	32.0	47.48	21	32.0			C7	1201	C -30 1308
72		7.7T	22 5.195	0.0004	13	-37 20 45.86	-0.061	11	0.64	5.176	18	02.0	42.66	18	97.6	K0		GC	4069	C -37 1272
73	9.8	8.8W	22 7.821	-0.0007	13	-37 27 34.21	-0.002	13	0.26	7.830	15	36.0	34.18	21	36.0	G5		C8	1131	C -37 1273
74	10.4	9.7W	22 13.992	0.0054	21	-31 41 18.54	-0.079	21	0.43	13.895	22	32.0	17.12	21	32.0	G5		C7	1202	C -31 1368
75	8.1	7.4W	22 20.999	0.0025	21	-31 18 15.66	0.103	21	0.43	20.955	22	32.0	17.51	21	32.0	G5		C7	1203	C -31 1370
76	10.1	10.2W	22 32.134	-0.0003	21	-34 47 21.58	-0.046	21	0.43	32.139	22	32.0	20.75	21	32.0	G0	L	C7	1205	C -35 1214
77	9.6	9.4W	22 46.360	0.0014	13	-37 24 10.82	0.004	13	0.26	46.340	15	36.0	10.88	21	36.0	F5		C8	1133	C -37 1279
78	10.0	9.2W	22 59.785	0.0018	13	-36 23 12.89	-0.008	13	0.26	59.759	15	36.0	12.78	21	36.0	K0	L	C8	1135	C -36 1284
79	9.3	9.3W	23 4.660	0.0031	21	-30 20 53.07	0.034	21	0.43	4.604	22	32.0	53.68	21	32.0	A3		C7	1206	C -30 1317
80	10.6	10.0W	23 5.626	-0.0001	21	-34 3 42.65	-0.017	21	0.43	5.628	22	32.0	42.35	21	32.0			C7	1207	C -34 1242
81	10.4		23 5.846	0.0011	18	-37 41 31.00	0.027	18	0.31	5.830	15	36.0	31.38	21	36.0	F2	L	C8	1136	C -37 1283
82		7.2T	23 7.699	0.0041	15	-30 1 5.97	-0.012	10	0.68	7.501	19	01.2	5.32	18	96.7	G5		GC	4066	C*-30 1318
83		7.0T	23 18.458	0.0033	13	-37 19 40.62	-0.025	12	0.67	18.294	18	00.5	39.29	21	96.9	A3		GC	4087	C -37 1284
84	9.5	9.5W	23 32.188	-0.0032	21	-30 43 32.42	0.011	21	0.43	32.245	22	32.0	32.61	21	32.0	A3		C7	1209	C -31 1380
85		7.5T	23 41.787	0.0112	09	-38 29 15.42	0.025	07	0.36	41.322	12	08.5	16.47	14	07.8	F5		GC	4091	C*-38 1127
86	10.1	9.3W	23 44.249	-0.0030	13	-39 15 43.36	0.023	13	0.26	44.291	15	36.0	43.68	21	36.0	K0	L	C8	1139	C -39 1010
87	9.9	9.8W	23 52.650	-0.0032	21	-32 59 32.58	0.003	21	0.43	52.707	22	32.0	32.64	21	32.0	F8	L	C7	1210	C -33 1213
88	10.3	9.9W	23 55.871	0.0008	13	-36 6 53.08	0.007	13	0.26	55.859	15	36.0	53.18	21	36.0	F8	L	C8	1140	C -36 1289
89		6.2T	23 59.765	0.0019	05	-36 5 42.54	-0.004	04	0.25	59.681	09	04.6	42.34	10	00.5	A2		GC	4097	C -36 1290
90		7.2T	24 3.089	0.0040	11	-36 7 56.78	0.003	09	0.58	2.871	17	94.8	56.95	17	92.4	A5		GC	4100	C -36 1291
91	10.2		24 4.643	-0.0012	18	-35 31 34.82	0.011	18	0.31	4.659	15	36.0	34.98	21	36.0	A2	L	C8	1143	C -35 1224
92	9.8	9.1W	24 5.930	0.0003	21	-31 50 8.37	-0.031	21	0.43	5.925	22	32.0	7.82	21	32.0	K2		C7	1211	C -32 1287
93	8.4	8.0W	24 7.486	0.0173	21	-30 47 43.16	0.203	21	0.43	7.175	22	32.0	46.81	21	32.0	G0		C7	1212	C -31 1384
94	9.2	9.0W	24 12.673	0.0047	21	-33 57 23.11	-0.037	21	0.43	12.588	22	32.0	22.45	21	32.0	F8		C7	1213	C -34 1257
95	10.3	9.4W	24 13.071	0.0015	21	-30 56 6.51	-0.005	21	0.43	13.045	22	32.0	6.41	21	32.0	K0		C7	1214	C -31 1386
96	10.4	9.9W	24 13.203	-0.0013	13	-38 32 19.08	-0.064	13	0.26	13.221	15	36.0	18.18	21	36.0	G5	L	C8	1144	C -38 1131
97	9.9	8.6W	24 22.757	-0.0017	18	-38 24 25.71	0.005	18	0.31	22.780	15	36.0	25.78	21	36.0	K2		C8	1145	C -38 1134
98	9.8	9.5W	24 32.157	-0.0023	13	-35 41 22.37	0.008	13	0.26	32.189	15	36.0	22.48	21	36.0	F5	L	C8	1146	C -35 1227
99	10.2	9.4W	24 33.748	-0.0044	13	-35 46 17.58	-0.007	13	0.26	33.809	15	36.0	17.48	21	36.0	K0	L	C8	1147	C -36 1294
00	9.3	9.2W	24 38.206	-0.0033	21	-32 14 57.67	0.008	21	0.43	38.265	22	32.0	57.82	21	32.0	F2		C7	1215	C -32 1293

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 3H DM NUMBER
1	10.6	9.7W	3 24 43.033	0.0110	23	-35 27 15.83	-0.018	23	0.37	42.878	15	36.0	15.56	21	36.0	K0 L	C8	1148	C -35 1229
2	9.8	9.6W	24 47.612	0.0052	21	-33 58 3.16	-0.045	21	0.43	47.518	22	32.0	2.35	21	32.0	G0	C7	1216	C -34 1261
3	10.1	10.1W	24 52.064	-0.0019	21	-33 38 0.85	-0.039	21	0.43	52.098	22	32.0	0.15	21	32.0	F8	C7	1217	C -33 1223
4	9.4	8.7W	24 58.145	0.0033	21	-30 38 13.47	-0.029	21	0.43	58.085	22	32.0	13.11	21	32.0	G5	C7	1218	C -30 1328
5	10.7	9.7W	25 5.747	0.0006	13	-35 23 5.44	0.010	13	0.26	5.739	15	36.0	5.58	21	36.0	K1 L	C8	1150	C -35 1230
6	10.8		25 13.133	0.0032	13	-35 15 9.79	0.021	13	0.26	13.089	15	36.0	10.08	21	36.0	G5 L	C8	1151	C -35 1232
7	8.1	7.8W	25 13.144	0.0017	07	-38 3 53.81	0.069	07	0.21	13.120	15	36.0	54.78	21	36.0	F5	C8	1152	C -38 1139
8	9.0	8.8W	25 14.732	0.0030	23	-36 6 13.94	-0.040	23	0.37	14.689	15	36.0	13.38	21	36.0	G0	C8	1153	C -36 1302
9	10.5	9.6W	25 23.316	0.0019	13	-36 26 0.63	-0.075	13	0.26	23.289	15	36.0	59.58	21	36.0	K1 L	C8	1154	C -36 1303
10	10.1	9.3W	25 25.630	0.0023	21	-34 40 43.63	-0.004	21	0.43	25.589	22	32.0	43.55	21	32.0	K0	C7	1219	C -34 1268
11	10.0	9.6W	25 27.705	-0.0006	21	-31 23 37.38	-0.009	21	0.43	27.715	22	32.0	37.21	21	32.0	G5	C7	1220	C -31 1399
12		5.7T	25 37.066	0.0056	06	-35 51 15.67	-0.009	05	0.27	36.823	10	06.3	15.24	10	01.8	K0	GC	4129	C -36 1306
13	9.9	9.2W	25 40.933	0.0010	21	-32 24 50.99	-0.043	21	0.43	40.915	22	32.0	50.22	21	32.0	K0	C7	1221	C -32 1298
14	10.2	10.1W	26 3.167	-0.0004	21	-30 23 18.66	0.007	21	0.43	3.174	22	32.0	18.78	21	32.0	F8	C7	1222	C -30 1334
15	9.7	9.3W	26 11.661	0.0008	13	-36 5 3.03	0.018	13	0.26	11.649	15	36.0	3.28	21	36.0	F8 L	C8	1157	C -36 1309
16	9.1	8.9W	26 12.313	0.0023	13	-38 58 47.54	-0.026	13	0.26	12.281	15	36.0	47.18	21	36.0	F8	C8	1158	C -39 1031
17	10.9	10.4W	26 14.756	0.0012	21	-31 8 56.82	-0.034	21	0.43	14.735	22	32.0	56.21	21	32.0		C7	1223	C -31 1405
18		6.5T	26 15.664	0.0020	08	-36 1 31.66	-0.000	07	0.47	15.550	15	91.7	31.65	15	87.2	A0	GC	4148K	C -36 1310
19	8.3	8.1W	26 24.276	0.0062	06	-36 11 7.30	0.020	06	0.20	24.189	15	36.0	7.58	21	36.0	F2	C8	1162	C -36 1311
20	10.1	9.2W	26 25.326	0.0018	18	-37 37 9.20	-0.009	18	0.31	25.300	15	36.0	9.08	21	36.0	K0 L	C8	1163	C -37 1309
21	10.9	10.6W	26 34.684	0.0027	21	-30 50 13.71	-0.000	21	0.43	34.635	22	32.0	13.71	21	32.0		C7	1224	C -31 1409
22	10.3	9.7W	26 37.421	-0.0019	21	-31 38 44.86	-0.014	21	0.43	37.455	22	32.0	44.62	21	32.0	G5	C7	1225	C -31 1411
23	10.3	9.8W	26 39.817	-0.0029	21	-34 45 5.76	-0.006	21	0.43	39.869	22	32.0	5.65	21	32.0		C7	1226	C -35 1242
24	9.3	9.1W	26 44.221	-0.0026	21	-33 22 44.52	-0.066	21	0.43	44.267	22	32.0	43.34	21	32.0	G0	C7	1227	C -33 1239
25	10.2	9.7W	26 45.160	0.0002	21	-31 15 20.52	-0.006	21	0.43	45.155	22	32.0	20.41	21	32.0	G5	C7	1228	C -31 1413
26		7.1T	26 55.947	0.0050	10	-33 49 36.57	-0.008	08	0.41	55.732	12	07.2	36.23	14	06.4	K0	GC	4156	C*-34 1284
27	9.1	8.9W	26 57.378	-0.0008	09	-36 4 36.45	0.002	09	0.22	57.389	15	36.0	36.48	21	36.0	F5	C8	1164	C -36 1315
28	9.6	8.8W	27 17.322	-0.0013	21	-31 50 33.24	-0.007	21	0.43	17.345	22	32.0	33.12	21	32.0	K0	C7	1231	C -32 1308
29	9.5	8.7W	27 17.330	0.0017	21	-34 31 26.17	0.010	21	0.43	17.299	22	32.0	26.35	21	32.0	K0	C7	1230	C -34 1288
30	9.5	8.8W	27 18.967	0.0005	18	-38 10 58.19	-0.036	18	0.31	18.986	15	36.0	57.68	21	36.0	G5	C8	1165	C -38 1155
31	10.3	10.4W	27 23.834	-0.0000	21	-31 4 7.04	0.004	21	0.43	23.835	22	32.0	7.11	21	32.0	G0 L	C7	1232	C -31 1417
32	10.4	9.2W	27 30.898	-0.0009	18	-37 10 59.44	0.024	18	0.31	30.910	15	36.0	59.78	21	36.0	K0 L	C8	1167	C -37 1312
33	9.4	9.2W	27 31.313	0.0032	21	-32 28 4.70	0.006	21	0.43	31.255	22	32.0	4.82	21	32.0	F8	C7	1233	C -32 1313
34	10.3	9.4W	27 36.852	-0.0014	13	-39 18 12.53	0.018	13	0.26	36.871	15	36.0	12.78	21	36.0	K5 L	C8	1168	C -39 1043
35		9.1T	27 40.103	-0.0001	15	-38 35 15.32	-0.006	13	0.73	40.107	22	02.3	15.02	22	99.7	K2	GC	4172	C -38 1158
36	8.9	8.8W	27 52.076	0.0038	21	-32 48 33.32	0.001	21	0.43	52.007	22	32.0	33.34	21	32.0	A5	C7	1234	C -33 1248
37	10.9	10.2W	27 55.543	0.0016	21	-30 29 13.04	-0.003	21	0.43	55.514	22	32.0	12.98	21	32.0		C7	1235	C -30 1352
38		8.6T	28 1.194	-0.0011	12	-38 43 49.96	0.019	10	0.45	1.235	17	12.2	50.72	17	09.7	G5	GC	4180	C -38 1161
39		7.0T	28 2.411	0.0004	15	-35 55 7.08	-0.019	14	0.73	2.395	19	03.1	6.15	21	01.3	A2	GC	4182	C -36 1322
40	9.6	9.5W	28 7.330	0.0045	21	-34 54 52.89	-0.013	21	0.43	7.249	22	32.0	52.65	21	32.0	F2	C7	1236	C -35 1253
41	8.5	8.3W	28 32.692	0.0032	21	-30 30 18.09	-0.032	21	0.43	32.635	22	32.0	17.51	21	32.0	F0	C7	1237	C -30 1356
42	9.3	9.0W	28 39.659	0.0045	21	-33 42 1.73	0.012	21	0.43	39.578	22	32.0	1.95	21	32.0	G0	C7	1239	C -33 1254
43	9.9	9.1W	28 41.262	0.0026	21	-32 24 57.68	-0.015	21	0.43	41.215	22	32.0	57.42	21	32.0	K0	C7	1240	C -32 1322
44	10.7	10.1W	28 45.590	-0.0019	21	-30 36 26.94	0.004	21	0.43	45.625	22	32.0	27.01	21	32.0		C7	1241	C -30 1358
45	10.5	10.3W	28 46.208	0.0051	21	-30 51 25.66	-0.058	21	0.43	46.115	22	32.0	24.61	21	32.0		C7	1242	C -31 1428
46	10.3	9.0W	28 50.718	0.0028	21	-32 40 31.05	-0.001	21	0.43	50.667	22	32.0	31.04	21	32.0	K2	C7	1243	C -32 1324
47	8.2	7.8W	28 57.978	-0.0180	07	-37 32 29.84	-0.019	07	0.21	58.230	15	36.0	29.58	21	36.0	G0	C8	1175	C -37 1326
48	10.5	10.5W	29 1.917	-0.0037	21	-30 8 51.11	0.021	21	0.43	1.984	22	32.0	51.48	21	32.0	G0 L	C7	1244	C -30 1360
49	9.0	9.0W	29 6.963	0.0023	13	-37 46 8.54	0.003	13	0.26	6.930	15	36.0	8.58	21	36.0	A5	C8	1177	C -38 1168
50	10.4	9.9W	29 13.788	0.0013	21	-32 14 51.92	0.022	21	0.43	13.765	22	32.0	52.32	21	32.0		C7	1245	C -32 1326
51	10.4	9.8W	3 29 13.939	0.0001	21	-32 30 41.26	-0.018	21	0.43	13.937	22	32.0	40.94	21	32.0	K0	C7	1246	C -32 1328
52	10.2	9.9W	29 18.303	0.0027	21	-30 41 7.15	-0.002	21	0.43	18.255	22	32.0	7.11	21	32.0	G5	C7	1247	C -30 1362
53		7.2T	29 26.008	-0.0003	13	-33 42 55.14	0.019	11	0.64	26.022	17	00.0	56.17	19	96.4	G5	GC	4218	C -33 1258
54	9.8	9.7W	29 32.034	0.0031	18	-36 47 32.57	-0.021	18	0.31	31.990	15	36.0	32.28	21	36.0	F8	C8	1178	C -37 1329
55	7.5	7.7W	29 34.028	-0.0032	21	-31 50 33.42	-0.056	21	0.43	34.086	22	32.0	32.42	21	32.0	A0	C7	1249	C -32 1332
56	10.5	10.1W	29 38.820	0.0009	21	-31 25 26.05	-0.041	21	0.43	38.805	22	32.0	25.31	21	32.0	G5	C7	1250	C -31 1437
57	10.3	9.9W	29 40.942	-0.0024	21	-32 21 21.28	0.013	21	0.43	40.986	22	32.0	21.52	21	32.0	G5	C7	1251	C -32 1335
58	9.4	9.2W	29 49.646	0.0019	13	-35 52 21.68	0.036	13	0.26	49.619	15	36.0	22.18	21	36.0	G0	C8	1180	C -36 1335
59	10.8	10.5W	30 1.508	0.0109	21	-31 16 57.71	-0.011	21	0.43	1.311	22	32.0	57.51	21	32.0		C7	1252	C -31 1439
60	8.3	8.3W	30 12.141	0.0022	21	-31 44 20.75	-0.002	21	0.43	12.102	22	32.0	20.72	21	32.0	F2	C7	1253	C -31 1445
61	7.9	8.0W	30 13.061	-0.0028	21	-32 28 33.83	-0.012	21	0.43	13.112	22	32.0	33.62	21	32.0	A3	C7	1254	C -32 1339
62	10.3	9.9W	30 19.951	0.0023	13	-37 5 30.63	-0.068	13	0.26	19.919	15	36.0	29.68	21	36.0	G8 L	C8	1181	C -37 1337
63	9.3	8.8W	30 23.571	0.0087	21	-33 40 6.78	-0.074	21	0.43	23.414	22	32.0	5.45	21	32.0	G5	C7	1255	C -33 1265
64	10.7	9.9W	30 25.459	0.0004	21	-31 14 46.78	0.030	21	0.43	25.451	22	32.0	47.31	21	32.0	K0	C7	1256	C -31 1441
65	10.5	8.7W	30 26.165	0.0006	13	-35 8 7.37	-0.021	13	0.26	26.157	15	36.0	7.08	21	36.0	K0	C8	1184	C -35 1270
66	9.5	9.3W	30 42.710	0.0028	21	-30 3 26.74	0.025	21	0.43	42.659	22	32.0	27.18	21	32.0	F2	C7	1257	C -30 1371
67	10.5	10.2W	31 1.456	-0.0045	18	-36 0 37.55	-0.105	18	0.31	1.468	15	36.0	36.08	21	36.0	G0 L	C8	1189	C -36 1343
68	10.3	10.0W	31 11.067	0.0025	21	-30 40 47.76	0.042	21	0.43	11.041	22	32.0	48.51	21	32.0	F5	C7	1258	C -30 1373
69	9.7	9.0W	31 19.185	0.0018	21	-32 40 22.74	-0.067	21	0.43	19.153	22	32.0	21.54	21	32.0	G5	C7	1259	C -32 1346
70	9.8	9.0W	31 30.073	0.0003	18	-37 16 19.37	0.001	18	0.31	30.068	15	36.0	19.38	21	36.0	K0	C8	1190	C -37 1347
71	10.4	10.2W	31 43.006	-0.0009	21	-30 32 16.48	0.091	21	0.43	43.021	22	32.0	18.11	21	32.0	G	C7	1260	C -30 1378
72	10.6	9.4W	31 50.531	0.0034	21	-30 25 53.60	0.038	21	0.43	50.470	22	32.0	54.28	21	32.0	K5	C7	1261	C -30 1379
73		7.2T	31 52.330	0.0045	11	-30 47 40.02	0.008	10	0.59	52.093	18	96.8	40.44	17	96.4	G5	GC	4263	C -31 1449
74	9.7	9.0W	31 55.439	0.0014	21	-33 36 13.39	0.025	21	0.43	55.414	22	32.0	13.65	21	32.0	K0	C7	1263	C -33 1276
75		6.2T	31 55.536	-0.0020	14	-31 14 52.21	0.065	10	0.65	55.637	15	00.2	55.64	15	97.1	F5	GC	4266K	C*-31 1450
76		8.8T	31 57.231	-0.0011	13	-38 12 3.22	0.001	10	0.59	57.282	21	03.4	3.27	21	00.3	G5	GC	4267	C -38 1188
77	9.2	8.9W	31 58.804	0.0063	21	-31 56 23.61	0.006	21	0.43	58.692	22	32.0	23.72	21	32.0	F5	C7	1265	C -32 1353
78		8.9T	32 2.690	0.0007	18	-34 57 46.74	-0.024	14	0.80	2.659	21	04.4	45.57	19	00.7	K0	GC	4269	C -35 1279
79		6.4T	32 33.188	0.0007	06	-32 2 27.04	0.006	05	0.30	33.158	12	06.2	27.21	12	02.6	K0	GC	4281K	C*-32 1358
80		7.1T	32 33.737	0.0021	14	-34 59 53.63	-0.079	12	0.65	33.638	14	02.3	49.83	15	01.8	F0	GC	4282	C -35 1284
81	9.5	9.2W	32 35.531	-0.0018	21	-33 11 20.65	0.005	21	0.43	35.563	22	32.0	20.74	21	32.0	F8	C7	1267	C -33 1279
82	10.5	9.6W	32 36.767	0.0032	21	-30 27 13.57	0.040	21	0.43	36.710	22	32.0	14.29	21	32.0	K0	C7	1268	C -30 1383
83	9.4	9.6W	32 41.545	-0.0011	13	-39 34 41.89	-0.029	13	0.26	41.560	15	36.0	41.48	21	36.0	A0	C8	1194	C -39 1084
84	9.7	9.6W	32 43.703	0.0063	18	-37 23 57.76	0.044	18	0.31	43.629	15	36.0	58.38	21	36.0	F5	C8	1196	C -37 1353
85	10.2	9.8W	32 45.211	-0.0005	21	-30 7 36.16	0.018	21	0.43	45.219	22	32.0	36.49	21	32.0	G0	C7	1269	C -30 1384
86	10.7	9.7W	32 47.343	0.0024	21	-30 28 44.77	0.051	21	0.43	47.299	22	32.0	45.69	21	32.0	K0 L	C7	1270	C -30 1385
87	10.7	9.9W	32 48.292	0.0081	13	-37 12 14.96	-0.006	13	0.26	48.179	15	36.0	14.88	21	36.0	G8 L	C8	1197	C -37 1354
88	10.3	9.5W	33 6.515	-0.0009	13	-35 47 13.17	-0.014	13	0.26	6.527	15	36.0	12.98	21	36.0	G5	C8	1198	C -36 1352
89		7.8T	33 11.500	-0.0016	14	-36 6 10.94	0.015	12	0.67	11.574	17	02.2	11.67	18	00.6	K2	GC	4288	C -36 1353
90	10.4	10.0W	33 27.573	0.0060	18	-38 50 45.01	-0.002	18	0.31	27.489	15	36.0	44.98	21	36.0	G2 L	C8	1200	C -39 1087
91	9.2	9.0W	33 37.511	0.0024	13	-36 2 8.82	0.054	13	0.26	37.478	15	36.0	9.58	21	36.0	F5	C8	1201	C -36 1356
92	9.2	8.5W	33 42.214	0.0007	21	-31 18 52.26	-0.008	21	0.43	42.201	22	32.0	52.11	21	32.0	G5	C7	1271	C -31 1465
93	9.0	8.5W	33 44.554	-0.0021	21	-30 54 11.94	-0.007	21	0.43	44.591	22	32.0	11.81	21	32.0	G0	C7	1272	C -31 1461
94	10.8	10.0W	33 49.301	0.0009	13	-36 31 2.99	0.042	13	0.26	49.289	15	36.0	3.58	21	36.0	K0 L	C8	1203	C -36 1359
95	9.1	9.3W	33 49.558	0.0019	21	-33 53 34.49	-0.047	21	0.43	49.524	22	32.0	33.65	21	32.0	A0	C7	1273	C -34 1323
96	10.0	9.2W	34 0.312	-0.0025	13	-36 28 43.77	0.008	13	0.26	0.348	15	36.0	43.88	21	36.0	G5	C8	1204	C -36 1360
97	9.6	8.8W	34 34.409	0.0019	21	-34 57 13.36	0.011	21	0.43	34.374	22	32.0	13.56	21	32.0	G5	C7	1274	C -35 1298
98	9.6	9.3W	34 52.974	0.0017	13	-39 32 51.32	-0.003	13	0.26	52.950	15	36.0	51.28	21	36.0	F5	C8	1207	C -39 1098
99		6.9T	34 53.713	0.0030	11	-33 56 40.14	0.021	10	0.59	53.549	17	95.4	41.35	18	93.2	F2	GC	4321	C -34 1332
00	10.9	10.4W	34 57.438	0.0059	21	-30 45 30.08	-0.020	21	0.43	57.331	22	32.0	29.71	21	32.0	G0 L	C7	1276	C -31 1468

194400			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 3H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	9.8	9.5W	3 34 59.788	0.0179	06	-36 14 44.78	0.000	06	0.20	59.537	15	36.0	44.78	21	36.0	GO	C8	1208	C -36 1365	
2	10.1	10.0W	35 5.616	0.0005	06	-36 31 22.40	-0.030	06	0.20	5.609	15	36.0	21.98	21	36.0	F8	C8	1209	C -36 1366	
3	10.2	9.6W	35 8.456	0.0127	09	-38 26 58.78	0.014	09	0.22	8.278	15	36.0	58.98	21	36.0	G5	C8	1210	C -38 1211	
4		7.2T	35 10.633	-0.0006	09	-36 27 21.32	0.011	07	0.49	10.664	17	94.1	21.95	17	91.5	A0	GC	4328	C*-36 1367	
5	9.1	8.3W	35 17.680	0.0028	21	-30 20 48.16	0.007	21	0.43	17.630	22	32.0	48.28	21	32.0	K0	C7	1278	C -30 1408	
6	9.4	9.0W	35 19.206	-0.0004	21	-33 25 42.66	0.043	21	0.43	19.213	22	32.0	43.44	21	32.0	F8	C7	1279	C -33 1300	
7	9.9	9.0W	35 19.595	0.0004	10	-38 35 17.17	0.001	10	0.23	19.589	15	36.0	17.18	21	36.0	K0	C8	1212	C -38 1214	
8		7.9T	35 21.031	-0.0004	14	-34 1 24.24	-0.001	11	0.66	21.050	19	01.0	24.20	19	97.0	K2	GC	4330	C -34 1336	
9	10.4	9.5W	35 22.316	0.0008	21	-31 5 12.06	0.031	21	0.43	22.301	22	32.0	12.61	21	32.0	G5	C7	1281	C -31 1469	
10	8.5	8.4W	35 24.817	0.0068	21	-34 48 46.48	0.010	21	0.43	24.694	22	32.0	46.66	21	32.0	F2	C7	1282	C -35 1303	
11	9.5	9.2W	35 28.172	-0.0005	21	-31 48 32.84	-0.007	21	0.43	28.182	22	32.0	32.72	21	32.0	F8	C7	1283	C -32 1386	
12	8.3	8.6W	35 34.161	-0.0013	21	-34 6 45.96	-0.001	21	0.43	34.184	22	32.0	45.95	21	32.0	A2	C7	1284	C -34 1338	
13	9.6	9.2W	36 4.505	0.0002	21	-31 10 25.58	0.024	21	0.43	4.501	22	32.0	26.01	21	32.0	G0	C7	1285	C -31 1478	
14	8.5	8.4W	36 4.606	-0.0037	21	-32 54 13.05	-0.012	21	0.43	4.673	22	32.0	12.84	21	32.0	F2	C7	1286	C -33 1309	
15	10.0	9.5W	36 7.630	-0.0019	21	-34 16 51.73	-0.066	21	0.43	7.664	22	32.0	50.55	21	32.0	G5	C7	1287	C -34 1341	
16		7.4T	36 9.288	0.0001	12	-31 27 45.05	0.020	12	0.63	9.285	17	98.9	46.07	17	98.2	K5	GC	4343	C*-31 1479	
17	9.8	9.7W	36 9.832	0.0018	13	-35 8 18.36	-0.070	13	0.26	9.807	15	36.0	17.38	21	36.0	F8	C8	1214	C -35 1308	
18		8.5T	36 10.712	-0.0025	15	-38 56 11.43	-0.025	12	0.71	10.835	21	00.9	10.09	18	96.8	A5	GC	4344	C -39 1109	
19	10.2	9.1W	36 19.044	0.0011	21	-34 29 30.59	-0.008	21	0.43	19.024	22	32.0	30.45	21	32.0	K0	C7	1289	C -34 1344	
20	9.9	8.8W	36 24.762	-0.0002	13	-34 59 23.44	0.016	13	0.26	24.765	15	36.0	23.67	21	36.0	K0	C8	1217	C -35 1309	
21	8.8	8.7W	36 30.713	0.0039	18	-36 47 14.63	0.025	18	0.31	30.659	15	36.0	14.98	21	36.0	F0	C8	1218	C -37 1378	
22	9.1	8.1W	36 31.861	0.0009	18	-37 26 6.09	0.028	18	0.31	31.848	15	36.0	6.48	21	36.0	G5	C8	1219	C -37 1379	
23	9.9	9.5W	36 34.439	-0.0069	21	-32 32 21.71	-0.254	21	0.43	34.563	22	32.0	17.14	21	32.0	G0	C7	1290	C -32 1395	
24	9.4	8.5W	36 42.012	0.0005	21	-32 58 4.76	0.049	21	0.43	42.003	22	32.0	5.64	21	32.0	K0	C7	1291	C -33 1314	
25	10.1	9.5W	36 43.349	0.0143	13	-36 50 33.74	-0.140	13	0.26	43.149	15	36.0	31.78	21	36.0	G5	L C8	1220	C -37 1383	
26		7.1T	36 46.807	0.0003	13	-35 22 0.23	0.004	13	0.68	46.794	19	01.6	0.42	18	00.2	K0	GC	4353	C -35 1311	
27	10.1	9.9W	36 54.437	0.0019	21	-32 42 45.34	-0.028	21	0.43	54.403	22	32.0	44.84	21	32.0	A5	C7	1292	C -32 1400	
28	9.1	8.1W	37 3.970	-0.0034	08	-35 47 50.20	-0.044	08	0.22	4.017	15	36.0	49.58	21	36.0	K0	C8	1222	C -36 1380	
29		9.3T	37 6.178	0.0059	24	-34 7 42.50	-0.012	14	0.92	5.912	19	05.0	41.95	19	03.3	A0	GC	4360	C -34 1348	
30	10.0	9.3W	37 35.158	0.0004	21	-32 9 33.11	-0.022	21	0.43	35.152	22	32.0	32.72	21	32.0	G0	C7	1294	C -32 1409	
31	10.2	9.5W	37 35.186	0.0001	21	-34 8 50.17	0.021	21	0.43	35.184	22	32.0	50.55	21	32.0	G5	C7	1295	C -34 1350	
32	10.2	10.1W	37 38.397	0.0025	21	-30 34 37.01	0.039	21	0.43	38.351	22	32.0	37.71	21	32.0	A5	C7	1296	C -30 1425	
33	10.3	9.9W	37 38.642	-0.0007	21	-34 29 10.58	-0.013	21	0.43	38.854	22	32.0	10.35	21	32.0	G2	L C7	1297	C -34 1352	
34	9.5	9.3W	37 39.573	0.0024	13	-39 16 56.41	0.048	13	0.26	39.539	15	36.0	57.08	21	36.0	F5	C8	1224	C -39 1123	
35		8.4T	37 42.082	0.0017	14	-36 6 4.81	-0.010	12	0.67	41.998	18	01.6	4.29	18	99.1	F0	GC	4378	C -36 1388	
36	10.5	9.6W	37 53.134	-0.0004	21	-31 30 9.29	-0.015	21	0.43	53.141	22	32.0	9.02	21	32.0		C7	1298	C -31 1489	
37	10.1	9.9W	37 55.505	0.0006	21	-33 35 38.64	-0.011	21	0.43	55.494	22	32.0	38.45	21	32.0	F8	C7	1300	C -33 1321	
38	9.9	9.7W	37 56.491	0.0044	21	-31 6 14.27	-0.008	21	0.43	56.411	22	32.0	14.41	21	32.0	G0	C7	1301	C -31 1490	
39	10.4	10.0W	38 0.875	0.0005	18	-37 30 23.12	-0.017	18	0.31	0.868	15	36.0	22.88	21	36.0	F8	L C8	1227	C -37 1390	
40		7.9T	38 6.845	0.0003	15	-34 42 30.80	-0.114	11	0.69	6.831	17	99.3	24.89	18	98.1	F5	GC	4394	C*-34 1355	
41	11.1	9.8W	38 18.274	0.0030	21	-30 28 39.08	0.017	21	0.43	18.219	22	32.0	39.38	21	32.0		C7	1303	C -30 1431	
42	10.5	9.1W	38 20.833	0.0056	21	-30 40 7.38	0.013	21	0.43	20.731	22	32.0	7.61	21	32.0	K5	C7	1304	C -30 1432	
43	8.9	8.6W	38 41.365	-0.0076	21	-31 24 0.94	-0.107	21	0.43	41.501	22	32.0	-59.01	21	32.0	G0	C7	1305	C -31 1497	
44	10.1	9.1W	38 41.561	-0.0018	13	-35 15 5.73	-0.032	13	0.26	41.587	15	36.0	5.28	21	36.0	K0	C8	1228	C -35 1334	
45	9.8	9.4W	38 42.686	0.0001	21	-34 44 2.42	0.024	21	0.43	42.684	22	32.0	2.86	21	32.0	G2	L C7	1306	C -34 1362	
46	10.8	9.8W	38 50.736	-0.0023	13	-36 38 51.04	-0.004	13	0.26	50.769	15	36.0	50.98	21	36.0	K2	L C8	1230	C -36 1397	
47		8.3T	38 56.350	-0.0026	13	-32 1 46.99	-0.041	10	0.62	56.478	18	01.3	44.83	18	98.1	F0	GC	4416	C -32 1415	
48	9.9	9.0W	38 57.368	0.0026	21	-32 15 45.95	0.015	21	0.43	57.322	22	32.0	46.22	21	32.0	G5	C7	1308	C -32 1416	
49	10.5	9.7W	39 2.955	0.0049	13	-35 10 21.39	0.035	13	0.26	2.887	15	36.0	21.88	21	36.0	K0	C8	1232	C -35 1340	
50	11.3	10.2W	39 3.388	0.0004	21	-32 15 19.84	-0.007	21	0.43	3.382	22	32.0	19.72	21	32.0		C7	1309	C -32 1420	
51	10.4	9.9W	3 39 8.668	0.0059	21	-30 50 3.20	-0.038	21	0.43	8.561	22	32.0	2.51	21	32.0	G2	L C7	1310	C -31 1500	
52	9.4	9.1W	39 8.763	0.0024	21	-30 5 16.88	0.006	21	0.43	8.720	22	32.0	16.98	21	32.0	F8	C7	1311	C -30 1439	
53	10.0	10.1W	39 14.815	0.0019	18	-36 49 18.15	-0.041	18	0.31	14.789	15	36.0	17.58	21	36.0	A0	C8	1233	C -37 1401	
54	9.5	8.5W	39 16.047	0.0029	13	-35 3 56.51	0.012	13	0.26	16.007	15	36.0	56.68	21	36.0	K0	C8	1235	C -35 1342	
55	9.3	9.2W	39 22.783	0.0040	09	-35 35 50.15	-0.055	09	0.22	22.727	15	36.0	49.38	21	36.0	F5	C8	1236	C -35 1344	
56	9.6	9.2W	39 38.107	0.0031	21	-30 32 21.99	0.029	21	0.43	38.051	22	32.0	22.51	21	32.0	F5	C7	1312	C -30 1443	
57	9.8	8.8W	39 42.249	0.0047	21	-33 33 3.79	-0.019	21	0.43	42.164	22	32.0	3.45	21	32.0	K0	C7	1313	C -33 1331	
58	9.7	9.0W	39 57.737	0.0020	08	-37 5 0.35	0.009	08	0.22	57.709	15	36.0	0.48	21	36.0	G5	C8	1238	C -37 1407	
59	10.6	10.2W	40 2.612	0.0002	18	-38 40 59.87	-0.035	18	0.31	2.609	15	36.0	59.38	21	36.0	F5	L C8	1239	C -38 1240	
60	8.7	8.6W	40 4.986	0.0026	21	-30 25 1.82	0.048	21	0.43	4.939	22	32.0	2.68	21	32.0	F0	C7	1314	C -30 1448	
61	9.3	9.0W	40 5.946	-0.0014	21	-31 45 57.43	-0.051	21	0.43	5.972	22	32.0	56.52	21	32.0	G0	C7	1316	C -32 1428	
62	10.4	10.0W	40 5.950	0.0033	21	-31 46 24.34	0.004	21	0.43	5.891	22	32.0	24.42	21	32.0		C7	1315	C -32 1427	
63	9.1	8.4W	40 8.121	0.0032	21	-32 38 26.63	-0.072	21	0.43	8.063	22	32.0	25.34	21	32.0	K0	C7	1317	C -32 1429	
64	9.7	9.6W	40 9.156	-0.0015	21	-33 21 10.66	0.049	21	0.43	9.183	22	32.0	11.54	21	32.0	F8	C7	1318	C -33 1334	
65	10.0	9.2W	40 11.239	-0.0003	21	-33 45 43.69	-0.008	21	0.43	11.244	22	32.0	43.55	21	32.0	G5	C7	1319	C -34 1375	
66	9.9	8.9W	40 13.151	-0.0019	21	-34 34 45.17	0.060	21	0.43	13.184	22	32.0	46.26	21	32.0	K5	C7	1320	C -34 1376	
67		4.9H	40 15.499	0.0004	03	-32 5 49.36	0.017	02	0.10	15.485	05	17.9	49.93	05	17.2	B5	F4	133	C -32 1430	
68	9.2	8.7W	40 20.571	-0.0011	21	-32 16 4.28	0.041	21	0.43	20.592	22	32.0	5.02	21	32.0	G0	C7	1322	C -32 1433	
69	10.1	9.5W	40 23.654	0.0033	21	-34 52 52.59	-0.041	21	0.43	23.595	22	32.0	51.86	21	32.0	G0	C7	1323	C -35 1355	
70	9.3	9.1W	40 27.453	0.0024	21	-30 19 55.93	-0.030	21	0.43	27.409	22	32.0	55.38	21	32.0	F0	C7	1324	C -30 1451	
71	10.2	10.0W	40 30.733	-0.0004	18	-38 16 13.28	0.007	18	0.31	30.738	15	36.0	13.38	21	36.0	F2	L C8	1241	C -38 1245	
72	11.1	10.2W	40 33.487	-0.0025	21	-31 14 53.28	-0.009	21	0.43	33.531	22	32.0	53.11	21	32.0		C7	1325	C -31 1510	
73	10.0	10.0W	40 34.110	-0.0049	18	-36 34 52.05	-0.012	18	0.31	34.178	15	36.0	51.88	21	36.0	F8	C8	1242	C -36 1405	
74	10.6	9.4W	40 51.693	0.0001	21	-31 39 33.75	0.026	21	0.43	51.692	22	32.0	34.22	21	32.0	K0	L C7	1326	C -31 1512	
75		4.6T	40 58.757	-0.0079	04	-37 28 13.25	-0.070	03	0.18	59.087	07	08.2	10.05	07	04.3	K2	GC	4455	C*-37 1415	
76	10.9	9.9W	41 4.184	-0.0017	21	-34 16 44.82	0.013	21	0.42	4.214	22	32.5	45.05	21	32.5		C7	1327	C -34 1378	
77		7.2T	41 9.508	0.0024	13	-31 10 36.79	-0.000	12	0.67	9.387	17	99.0	36.78	15	96.4	MB	GC	4458	C -31 1514	
78		7.6T	41 11.179	0.0034	14	-32 41 13.16	0.040	12	0.70	11.012	18	00.7	15.24	18	98.5	K0	GC	4462	C -32 1439	
79	7.7	7.7W	41 15.129	0.0000	14	-37 12 4.23	-0.018	14	0.27	15.128	15	36.0	3.98	21	36.0	A3	C8	1246	C -37 1417	
80	8.4	8.3W	41 30.599	0.0026	21	-33 39 34.64	-0.034	21	0.42	30.554	22	32.5	34.05	21	32.5	F0	C7	1330	C -33 1342	
81	10.7	9.3W	41 32.515	0.0026	09	-38 13 33.88	-0.007	09	0.22	32.478	15	36.0	33.78	21	36.0	K5	L C8	1247	C -38 1253	
82	9.2	9.0W	41 35.207	-0.0032	21	-33 18 50.78	0.026	21	0.42	35.263	22	32.5	51.24	21	32.5	F0	C7	1331	C -33 1343	
83	10.3	9.4W	41 36.685	0.0026	09	-38 10 35.03	-0.011	09	0.22	36.648	15	36.0	34.88	21	36.0	K0	L C8	1248	C -38 1254	
84	10.8	10.3W	41 41.144	0.0030	21	-30 55 25.19	-0.033	21	0.42	41.091	22	32.5	24.61	21	32.5	G0	L C7	1332	C -31 1515	
85	9.9	9.4W	41 48.658	0.0064	18	-37 2 45.59	-0.015	18	0.31	48.568	15	36.0	45.38	21	36.0	G5	C8	1250	C -37 1421	
86	10.2	10.1W	41 53.402	-0.0030	21	-34 52 21.90	-0.031	21	0.42	53.454	22	32.5	21.36	21	32.5	A2	C7	1333	C -35 1374	
87	8.4	8.3W	41 53.687	0.0032	21	-31 35 51.42	0.000	21	0.42	53.631	22	32.5	51.42	21	32.5	F0	C7	1334	C -31 1518	
88	10.4	10.1W	42 4.940	0.0001	23	-37 45 29.82	-0.024	23	0.37	4.938	15	36.0	29.48	21	36.0	G0	L C8	1251	C -38 1258	
89	9.8	9.5W	42 6.308	0.0045	21	-30 10 59.88	0.023	21	0.42	6.230	22	32.5	+ 0.29	21	32.5	F8	C7	1335	C -30 1466	
90	10.6	9.4W	42 6.365	0.0006	21	-34 12 52.88	0.038	21	0.42	6.354	22	32.5	53.55	21	32.5	K0	C7	1336	C -34 1387	
91		7.0T	42 18.251	0.0173	17	-38 26 31.97	0.295	14	0.80	17.412	18	01.5	46.95	21	99.2	G5	GC	4488	C -38 1264	
92	10.5	9.6W	42 19.967	0.0031	21	-32 48 3.62	-0.016	21	0.42	19.913	22	32.5	3.34	21	32.5	G5	L C7	1337	C -33 1347	
93	9.5	9.2W	42 28.162	0.0023	21	-31 4 24.64	-0.030	21	0.42	28.121	22	32.5	24.11	21	32.5	F8	C7	1338	C -31 1526	
94	9.5	9.2W	42 29.951	-0.0034	10	-38 29 19.18	-0.036	10	0.23	29.998	15	36.0	18.68	21	36.0	F5	L C8	1256	C -38 1267	
95	10.1	9.7W	42 30.393	0.0047	13	-35 55 38.12	-0.053	13	0.26	30.327	15	36.0	37.38	21	36.0	K0	L C8	1257	C -36 1416	
96	10.9	9.5W	42 33.133	0.0025	21	-30 22 35.75	0.025	21	0.42	33.090	22	32.5	36.19	21	32.5	K5	L C7	1339	C -30 1469	
97	10.3	9.3W	42 37.340	0.0037	30	-37 46 58.96	0.016	30	0.46	37.288	15	36.0	59.18	21	36.0	K0	C8	1258	C -38 1268	
98	9.7	8.6W	42 49.292	0.0006	21	-31 26 5.72	-0.057	21	0.42	49.281	22	32.5	4.71	21	32.5	K0	C7	1340	C -31 1550	
99	10.3	9.5W	42 52.147	0.0013	21	-33 51 53.83	-0.022	21	0.42	52.124	22	32.5	53.45	21	32.5	G5	C7	1341	C -34 1391	
00	9.5	9.4W	42 55.339	0.0007	18	-38 32 47.41	-0.031	18	0.31	55.329	15	36.0	46.98	21	36.0	F8	C8	1260	C -38 1271	

194500			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 3H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″	s	″ .01		″	″ .01						
1		7.3T	3 42 56.461	-0.0061	12	-38 58 28.96	0.048	09	0.60	56.775	19	98.5	31.65	18	93.7	GO		GC	4503	C*-39 1167
2	10.0	8.8W	42 58.539	0.0010	21	-31 45 24.84	-0.013	21	0.42	58.522	22	32.5	24.62	21	32.5	KO		C7	1342	C -31 1532
3	9.7	9.1W	43 5.429	-0.0014	21	-33 36 27.36	0.005	21	0.42	5.454	22	32.5	27.45	21	32.5	KO		C7	1343	C -33 1354
4	10.6	10.0W	43 20.826	-0.0009	21	-30 44 56.69	0.007	21	0.42	20.841	22	32.5	56.81	21	32.5	GO	L	C7	1344	C -30 1478
5	9.3	8.4W	43 24.978	0.0020	21	-32 47 34.17	-0.019	21	0.42	24.943	22	32.5	33.84	21	32.5	G5		C7	1345	C -33 1356
6	10.1	9.4W	43 32.512	0.0006	21	-31 33 8.14	-0.030	21	0.42	32.502	22	32.5	7.62	21	32.5	GO		C7	1346	C -31 1533
7	9.2	8.9W	43 41.184	0.0061	09	-38 2 22.27	0.065	09	0.22	41.098	15	36.0	23.18	21	36.0	F8		C8	1262	C -38 1276
8		8.4T	43 41.679	0.0024	18	-30 14 43.44	0.020	17	0.87	41.566	17	01.8	44.41	19	01.4	KO		GC	4522	C -30 1481
9	9.0	8.8W	43 41.894	-0.0033	21	-31 5 16.64	-0.007	21	0.42	41.951	22	32.5	16.51	21	32.5	FO		C7	1348	C -31 1537
10		8.2T	43 47.410	0.0013	12	-32 38 12.01	-0.016	10	0.60	47.347	18	00.9	11.19	18	97.3	F2		GC	4526	C -32 1457
11	10.2	10.0W	43 50.150	0.0038	13	-35 18 31.45	0.052	13	0.26	50.097	15	36.0	32.18	21	36.0	GO	L	C8	1263	C -35 1388
12	10.5	9.4W	43 57.902	0.0005	21	-33 23 0.25	-0.001	21	0.42	57.893	22	32.5	0.24	21	32.5	KO		C7	1350	C -33 1363
13	9.4	9.4W	43 58.971	-0.0002	21	-34 30 4.40	0.015	21	0.42	58.974	22	32.5	4.66	21	32.5	FO		C7	1351	C -34 1397
14	9.5	9.2W	44 0.545	0.0002	21	-32 8 28.01	-0.040	21	0.42	0.542	22	32.5	27.32	21	32.5	F2		C7	1352	C -32 1459
15		8.1T	44 1.806	-0.0012	13	-38 44 16.76	-0.009	10	0.61	1.862	21	03.1	16.28	19	98.0	G5		GC	4532	C -38 1280
16	10.0	8.8W	44 15.756	0.0013	13	-36 17 23.94	-0.047	13	0.26	15.737	15	36.0	23.28	21	36.0	K2		C8	1267	C -36 1433
17	10.6	10.0W	44 19.482	0.0038	18	-37 40 20.32	-0.046	18	0.31	19.428	15	36.0	19.68	21	36.0	G2	L	C8	1268	C -37 1444
18	9.8	9.0W	44 35.775	-0.0024	10	-38 15 21.19	-0.051	10	0.23	35.808	15	36.0	20.48	21	36.0	G5		C8	1271	C -38 1285
19	9.9	9.6W	44 39.878	-0.0003	21	-33 4 35.97	0.027	21	0.42	39.883	22	32.5	36.44	21	32.5	F5		C7	1353	C -33 1368
20	9.2	8.2W	44 41.310	0.0028	21	-32 21 55.52	0.011	21	0.42	41.262	22	32.5	55.72	21	32.5	KO		C7	1354	C -32 1462
21	10.3	9.9W	44 43.046	-0.0011	21	-34 37 57.76	-0.040	21	0.42	43.065	22	32.5	57.06	21	32.5	G2	L	C7	1355	C -34 1401
22	9.2	8.3W	44 45.279	0.0027	21	-31 0 27.48	-0.015	21	0.42	45.231	22	32.5	27.21	21	32.5	G5		C7	1356	C -31 1541
23	10.5	10.0W	44 48.163	0.0001	21	-32 26 46.63	0.039	21	0.42	48.162	22	32.5	47.32	21	32.5	G5	L	C7	1357	C -32 1463
24	10.0	10.1W	44 54.222	0.0038	18	-37 39 0.82	0.040	18	0.31	54.168	15	36.0	1.38	21	36.0	FO		C8	1274	C -37 1451
25		7.2T	44 59.459	0.0015	16	-30 12 29.68	-0.042	13	0.76	59.383	17	00.8	27.47	18	97.3	K5		GC	4555	C*-30 1493
26	10.7	10.5W	44 59.871	-0.0000	21	-31 53 52.18	-0.015	21	0.42	59.871	22	32.5	51.92	21	32.5	F2	L	C7	1359	C -32 1464
27	10.9	9.9W	45 0.708	0.0019	21	-34 57 34.35	-0.011	21	0.42	0.675	22	32.5	34.16	21	32.5			C7	1360	C -35 1403
28	10.5	9.3W	45 0.747	-0.0021	21	-33 51 9.01	0.014	21	0.42	0.784	22	32.5	9.25	21	32.5	KO		C7	1361	C -34 1403
29	10.6	9.7W	45 7.075	-0.0016	21	-33 26 15.71	0.013	21	0.42	7.103	22	32.5	15.94	21	32.5	G2	L	C7	1362	C -33 1372
30	9.9	9.7W	45 14.696	0.0020	21	-32 7 32.84	-0.013	21	0.42	14.662	22	32.5	32.62	21	32.5	FO	L	C7	1363	C -32 1469
31		6.6T	45 17.817	0.0137	15	-30 3 16.08	-0.066	13	0.74	17.132	18	99.8	12.62	18	97.5	F5		GC	4561	C -30 1494
32	10.0	9.5W	45 39.201	0.0009	13	-36 40 57.95	-0.019	13	0.26	39.189	15	36.0	57.68	21	36.0	G5		C8	1275	C -36 1449
33	9.7	8.6W	45 42.854	0.0018	18	-36 54 5.77	-0.028	18	0.31	42.829	15	36.0	5.38	21	36.0	KO		C8	1277	C -37 1457
34	11.5		45 46.610	-0.0062	30	-35 20 49.07	-0.042	30	0.46	46.697	15	36.0	48.48	21	36.0	GO	L	C8	1279	C -35 1409
35		5.6T	45 54.769	0.0020	06	-30 19 3.33	-0.243	05	0.25	54.679	09	06.1	51.84	09	02.7	G5		GC	4579	C*-30 1497
36		8.1T	45 54.910	-0.0001	16	-30 14 59.79	0.035	14	0.77	54.917	21	01.7	1.58	19	98.9	A5		GC	4580	C -30 1496
37		6.2T	45 56.644	0.0012	06	-36 15 31.98	0.011	05	0.27	56.588	10	04.9	32.51	10	01.0	B8		GC	4581	C*-36 1453
38	10.0	9.5W	45 57.092	-0.0051	21	-30 48 34.08	-0.072	21	0.42	57.181	22	32.5	32.81	21	32.5	KO		C7	1367	C -31 1551
39	9.8	9.1W	46 1.552	0.0050	21	-33 44 51.73	-0.056	21	0.42	1.464	22	32.5	50.75	21	32.5	G5		C7	1368	C -33 1379
40	10.2	9.8W	46 6.637	0.0027	13	-39 25 28.24	0.060	13	0.26	6.599	15	36.0	29.08	21	36.0	GO		C8	1282	C -39 1195
41	9.6	8.7W	46 9.501	0.0004	21	-33 52 2.04	0.023	21	0.42	9.494	22	32.5	2.45	21	32.5	KO		C7	1369	C -34 1410
42	11.4		46 18.552	-0.0046	30	-35 21 40.86	-0.027	30	0.46	18.617	15	36.0	40.48	21	36.0	G2	L	C8	1283	C -35 1411
43	9.3	9.2W	46 27.499	0.0017	21	-30 13 46.47	0.047	21	0.42	27.469	22	32.5	47.29	21	32.5	A5		C7	1370	C -30 1500
44		7.6T	46 33.394	0.0016	15	-31 55 50.34	0.012	13	0.73	33.317	19	01.3	50.93	19	98.2	A3		GC	4595K	C -32 1479
45	9.6	9.7W	46 33.764	0.0047	21	-30 33 16.41	0.023	21	0.42	33.681	22	32.5	16.81	21	32.5	A0		C7	1372	C -30 1502
46		8.8T	46 33.871	0.0013	17	-31 55 57.55	0.012	12	0.73	33.811	18	03.0	58.16	17	00.7			GC	4596K	C -32 1479
47	10.7	9.8W	46 39.448	0.0016	21	-34 14 47.24	0.071	21	0.42	39.420	22	32.5	48.48	21	32.5	G5	L	C7	1374	C -30 1504
48	10.0	9.1W	46 42.246	-0.0022	21	-33 58 56.18	-0.002	21	0.42	42.284	22	32.5	56.15	21	32.5	G5		C7	1375	C -34 1415
49	10.6	9.8W	46 42.727	-0.0009	21	-33 15 17.73	-0.034	21	0.42	42.743	22	32.5	17.14	21	32.5	G5	L	C7	1376	C -33 1384
50		5.4T	46 44.672	0.0044	09	-37 46 26.24	-0.010	08	0.49	44.436	15	96.3	25.67	15	93.6	A0		GC	4601K	C -38 1297
51		4.9T	3 46 45.045	0.0061	05	-37 46 19.90	-0.022	05	0.26	44.746	10	01.0	18.74	10	97.6	B8		GC	4602K	C*-38 1297
52	11.0	9.7W	46 56.706	-0.0015	23	-35 21 13.54	-0.040	23	0.37	56.727	15	36.0	12.98	21	36.0	K2	L	C8	1289	C -35 1417
53	9.0	8.7W	47 5.998	0.0077	21	-33 14 14.03	0.029	21	0.42	5.863	22	32.5	14.54	21	32.5	F8		C7	1377	C -33 1389
54	10.7	9.7W	47 6.044	0.0007	21	-31 0 54.77	-0.014	21	0.42	6.031	22	32.5	55.01	21	32.5	KO	L	C7	1378	C -31 1554
55	9.4	9.1W	47 11.654	0.0012	06	-36 8 30.58	0.007	06	0.20	11.638	15	36.0	30.68	21	36.0	F5		C8	1291	C -36 1463
56	10.3	9.2W	47 15.061	-0.0056	13	-39 13 21.83	-0.004	13	0.26	15.139	15	36.0	21.78	21	36.0	K1	L	C8	1293	C -39 1201
57		6.7T	47 28.789	0.0030	14	-36 14 36.91	0.011	12	0.73	28.632	15	98.4	37.50	15	95.3	KO		GC	4621	C*-36 1466
58	9.6	9.1W	47 31.862	-0.0018	21	-33 9 46.51	0.007	21	0.42	31.893	22	32.5	46.64	21	32.5	GO		C7	1379	C -33 1393
59		4.2M	47 34.895	-0.0043	03	-36 21 2.40	-0.049	02	0.10	35.041	05	15.6	0.58	05	13.1	KO		F4	143	C -36 1467
60	9.7	9.2W	47 49.646	-0.0002	18	-37 53 11.91	0.012	18	0.31	49.648	15	36.0	12.08	21	36.0	G5		C8	1296	C -38 1304
61	9.4	8.7W	48 1.337	0.0000	08	-35 33 56.27	-0.014	08	0.22	1.337	15	36.0	56.08	21	36.0	KO		C8	1297	C -35 1425
62	9.3	9.0W	48 6.950	0.0026	21	-34 10 39.10	0.077	21	0.42	6.904	22	32.5	40.45	21	32.5	G5		C7	1380	C -34 1427
63		8.1T	48 13.784	0.0013	09	-33 15 51.37	0.004	08	0.39	13.729	15	07.4	51.57	15	05.7	KO		GC	4638	C -33 1399
64		7.0T	48 18.492	0.0037	18	-32 26 9.91	0.006	18	0.87	18.321	19	03.4	10.12	19	03.8	K5		GC	4640	C -32 1487
65	9.3	8.1W	48 20.499	0.0020	13	-39 46 7.49	-0.015	13	0.26	20.470	15	36.0	7.28	21	36.0	K2		C8	1299	C -39 1211
66	10.7	10.3W	48 20.934	-0.0016	21	-31 5 4.63	0.045	21	0.42	20.961	22	32.5	5.41	21	32.5	GO	L	C7	1383	C -31 1561
67		9.3T	48 33.084	0.0099	20	-30 42 22.84	0.103	15	0.86	32.626	22	03.6	27.94	21	00.3	KO		GC	4644	C -30 1517
68	10.6	9.4W	48 34.310	0.0006	21	-30 4 39.99	0.034	21	0.42	34.300	22	32.5	40.58	21	32.5	K2	L	C7	1385	C -30 1516
69		7.2T	48 34.579	0.0003	17	-30 50 23.04	-0.021	13	0.76	34.566	18	02.2	21.97	18	99.4	KO		GC	4646	C -31 1563
70		6.8T	48 45.486	-0.0002	14	-36 34 31.68	0.023	12	0.69	45.496	17	00.2	32.91	19	96.3	B9		GC	4651	C*-36 1476
71	10.8	10.3W	48 48.390	0.0102	21	-31 7 49.37	0.048	21	0.42	48.211	22	32.5	50.21	21	32.5	G2	L	C7	1387	C -31 1565
72	10.9	10.3W	48 49.632	0.0017	23	-38 21 40.98	0.000	23	0.37	49.608	15	36.0	40.98	21	36.0	F8	L	C8	1304	C -38 1316
73		7.1T	48 56.200	0.0018	09	-39 7 55.94	0.027	07	0.49	56.103	18	95.8	57.58	17	89.0	MB		GC	4653	C*-39 1217
74	9.8	9.2W	48 56.363	0.0073	21	-34 56 46.36	-0.200	21	0.42	56.234	22	32.5	42.86	21	32.5	G5		C7	1388	C -35 1430
75	10.5	9.7W	48 57.511	-0.0018	21	-32 48 16.02	-0.022	21	0.42	57.543	22	32.5	15.64	21	32.5	G5	L	C7	1389	C -33 1407
76	10.3	10.1W	49 1.107	0.0004	21	-30 6 39.39	0.034	21	0.42	1.100	22	32.5	39.99	21	32.5	A8	L	C7	1390	C -30 1523
77	10.4	9.5W	49 10.566	0.0007	21	-33 47 25.06	-0.052	21	0.42	10.554	22	32.5	24.15	21	32.5	G5	L	C7	1391	C -34 1433
78	8.7	7.5W	49 13.852	-0.0011	21	-31 48 10.86	-0.054	21	0.42	13.872	22	32.5	9.92	21	32.5	KO		C7	1392	C -32 1492
79		7.6T	49 21.669	0.0118	13	-31 1 17.73	0.026	12	0.65	21.089	18	00.7	19.05	18	98.8	KO		GC	4663	C*-31 1570
80	8.3	8.1W	49 21.901	0.0004	21	-33 53 56.01	0.048	21	0.42	21.894	22	32.5	56.85	21	32.5	F8		C7	1394	C -34 1435
81	9.2	8.4W	49 23.390	0.0029	21	-30 13 30.93	0.003	21	0.42	23.339	22	32.5	30.99	21	32.5	KO		C7	1395	C -30 1526
82	9.5	9.2W	49 28.257	0.0020	18	-38 21 34.19	-0.008	18	0.31	28.228	15	36.0	34.08	21	36.0	F8		C8	1308	C -38 1322
83	10.5	9.8W	49 28.288	0.0019	21	-34 32 26.58	0.016	21	0.42	28.254	22	32.5	26.86	21	32.5			C7	1396	C -34 1438
84	11.2	9.8W	49 30.225	0.0037	30	-36 54 19.18	-0.050	30	0.46	30.169	15	36.0	18.48	21	36.0	K	L	C8	1309	C -37 1484
85	11.3		49 30.971	-0.0033	23	-35 53 2.23	-0.025	23	0.37	31.017	15	36.0	1.88	21	36.0	FO	L	C8	1310	C -36 1481
86	10.8	9.6W	49 41.819	0.0010	21	-31 41 7.81	-0.017	21	0.42	41.802	22	32.5	7.52	21	32.5	KO	L	C7	1397	C -31 1574
87	10.9	10.3W	49 49.664	0.0053	21	-31 35 44.65	-0.025	21	0.42	49.571	22	32.5	44.22	21	32.5	G5	L	C7	1398	C -31 1578
88	9.7	9.2W	50 1.728	-0.0065	10	-37 52 35.26	-0.006	10	0.23	1.818	15	36.0	35.18	21	36.0	GO		C8	1312	C -38 1325
89	9.6	9.3W	50 9.650	0.0026	21	-34 21 0.64	-0.051	21	0.42	9.604	22	32.5	59.75	21	32.5	GO		C7	1399	C -34 1443
90	10.2	10.0W	50 16.205	0.0069	09	-37 48 43.46	-0.020	09	0.22	16.108	15	36.0	43.18	21	36.0	GO	L	C8	1313	C -38 1326
91	10.2	10.3W	50 19.290	0.0001	23	-36 52 54.20	-0.037	23	0.37	19.288	15	36.0	53.68	21	36.0	A0		C8	1314	C -37 1490
92	10.5	10.1W	50 19.670	-0.0006	21	-31 37 50.26	-0.077	21	0.42	19.682	22	32.5	48.92	21	32.5	G2	L	C7	1400	C -31 1582
93	8.6	7.9W	50 20.382	0.0009	13	-39 24 36.40	0.013	13	0.26	20.369	15	36.0	36.58	21	36.0	G5		C8	1315	C -39 1226
94	9.4	8.8W	50 25.279	0.0105	21	-34 30 29.33	0.144	21	0.42	25.094	22	32.5	31.86	21	32.5	G5		C7	1401	C -34 1445
95	11.0	10.7W	50 30.973	0.0012	21	-31 23 11.49	0.070	21	0.42	30.951	22	32.5	12.71	21	32.5	GO	L	C7	1402	C -31 1583
96	8.8	8.6W	50 31.836	-0.0016	07	-37 40 19.59	-0.008	07	0.21	31.858	15	36.0	19.48	21	36.0	F5		C8	1316	C -37 1492
97	10.8	10.0W	50 33.720	0.0010	21	-33 28 13.25	-0.058	21	0.42	33.703	22	32.5	12.24	21	32.5	G5	L	C7	1403	C -33 1423
98	10.4	9.8W	50 57.983	-0.0004	13	-37 33 4.34	0.060	13	0.26	57.988	15	36.0	5.18	21	36.0	K0		C8	1318	C -37 1495
99	10.5	10.2W	51 5.239	-0.0012	21	-30 16 57.33	0.026	21	0.42	5.259	22	32.5	57.79	21	32.5	F5	L	C7	1404	C -30 1540
100	9.9	9.5W	51 16.496	-0.0016	21	-34 7 16.82	-0.021	21	0.42	10.524	22	32.5	16.45	21	32.5	G		C7	1405	C -34 1449

194600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 3H DM NUMBER
1	10.8	10.0W	3 51 10.805	-0.0010	21	-33 26 19.26	-0.007	21	0.42	10.823	22	32.5	19.14	21	32.5	K0	L	C7	1496	C -33 1424
2	9.3	9.0W	51 13.710	0.0037	09	-38 5 9.03	-0.175	09	0.22	13.658	15	36.0	6.58	21	36.0	G0		C8	1319	C -38 1352
3	9.3	8.4W	51 19.861	0.0004	21	-34 25 37.12	0.013	21	0.42	19.854	22	32.5	37.35	21	32.5	K0		C7	1407	C -34 1450
4	9.7	8.7W	51 29.406	-0.0021	21	-33 8 18.69	-0.003	21	0.42	29.443	22	32.5	18.64	21	32.5	K5		C7	1408	C -33 1429
5	10.5	9.1W	51 37.179	-0.0014	21	-34 27 59.63	-0.016	21	0.42	37.204	22	32.5	59,35	21	32.5	K2	L	C7	1409	C -34 1453
6	10.0	9.2W	51 37.571	-0.0017	21	-31 49 50.51	-0.051	21	0.42	37.602	22	32.5	49.62	21	32.5	G5	L	C7	1410	C -32 1511
7	10.5	10.2W	51 44.390	-0.0018	21	-31 23 59.05	0.021	21	0.42	44.421	22	32.5	59.41	21	32.5	G0		C7	1411	C -31 1585
8		5.1T	51 44.547	0.0027	04	-34 52 45.21	-0.011	04	0.19	44.436	07	08.5	44.73	07	05.1	B5		GC	4701	C*-35 1455
9	11.2		51 46.053	-0.0025	18	-35 58 26.07	0.022	18	0.31	46.088	15	36.0	26.38	21	36.0	G0	L	C8	1321	C -36 1498
10	9.0	8.1W	51 49.829	0.0020	13	-39 40 41.81	-0.002	13	0.26	49.800	15	36.0	41.78	21	36.0	G5		C8	1323	C -39 1231
11	10.4	9.9W	51 55.761	0.0010	21	-34 10 45.33	0.035	21	0.42	55.744	22	32.5	45.95	21	32.5	G5	L	C7	1413	C -34 1455
12	9.7	9.0W	51 56.810	-0.0006	13	-38 3 36.99	-0.036	13	0.26	56.818	15	36.0	36.48	21	36.0	G5		C8	1324	C -38 1339
13	9.7	8.6W	51 59.165	0.0068	09	-39 29 9.45	-0.019	09	0.22	59.069	15	36.0	9.18	21	36.0	G5		C8	1325	C -39 1232
14	11.3	10.6W	52 1.567	-0.0014	21	-31 4 50.25	0.021	21	0.42	1.591	22	32.5	50.61	21	32.5			C7	1414	C -31 1588
15	10.1	9.9W	52 8.818	-0.0009	21	-33 36 43.38	0.004	21	0.42	8.834	22	32.5	43.45	21	32.5	B9	L	C7	1415	C -33 1434
16	9.8	9.4W	52 13.360	-0.0001	21	-31 27 46.68	0.002	21	0.42	13.361	22	32.5	46.71	21	32.5	F8	L	C7	1416	C -31 1591
17	10.1	10.0W	52 38.441	0.0016	18	-37 24 34.70	0.020	18	0.31	38.419	15	36.0	34.98	21	36.0	F5		C8	1329	C -37 1509
18	9.5	8.4W	52 54.138	0.0006	13	-38 56 51.51	0.019	13	0.26	54.129	15	36.0	51.78	21	36.0	G5		C8	1331	C -39 1245
19	9.6	8.8W	52 55.209	0.0000	18	-38 11 5.96	-0.013	18	0.31	55.208	15	36.0	5.78	21	36.0	G5		C8	1332	C -38 1345
20	8.0	7.6W	52 55.866	0.0099	05	-35 51 6.98	0.200	05	0.19	55.727	15	36.0	9.78	21	36.0	F8		C8	1333	C -36 1508
21	10.1	9.9W	53 3.014	-0.0027	21	-31 44 12.55	0.015	21	0.42	3.062	22	32.5	12.82	21	32.5	F2	L	C7	1417	C -31 1594
22	9.2	9.1W	53 8.500	-0.0018	21	-32 14 39.67	-0.020	21	0.42	8.532	22	32.5	39.32	21	32.5	A2		C7	1418	C -32 1522
23	10.3		53 11.748	-0.0029	13	-36 46 18.49	0.035	13	0.26	11.789	15	36.0	18.98	21	36.0			C8	1336	C -36 1513
24	9.0	8.0W	53 14.616	0.0035	08	-35 42 35.30	-0.009	08	0.22	14.567	15	36.0	35.18	21	36.0	K2		C8	1337	C -35 1475
25		6.8T	53 27.709	-0.0011	07	-38 54 15.74	-0.007	05	0.29	27.754	12	09.1	15.41	12	03.5	B9		GC	4736	C*-39 1245
26	10.4	9.5W	53 34.969	-0.0012	21	-30 18 51.12	0.084	21	0.42	34.990	22	32.5	52.59	21	32.5	K0		C7	1419	C -30 1554
27	10.6	9.7W	53 35.442	-0.0011	21	-31 25 43.58	-0.015	21	0.42	35.461	22	32.5	43.31	21	32.5	K0	L	C7	1420	C -31 1600
28		7.8T	53 37.857	-0.0015	18	-38 7 23.01	-0.023	13	0.81	37.928	19	02.4	21.83	21	99.1	G5		GC	4741	C -38 1349
29	9.0	7.8W	53 37.890	0.0004	21	-33 21 34.23	0.012	21	0.42	37.883	22	32.5	34.44	21	32.5	K2		C7	1421	C -33 1447
30		7.5T	53 37.895	0.0041	14	-36 27 20.26	0.045	13	0.72	37.691	19	00.7	22.59	19	98.1	A3		GC	4742	C -36 1515
31	10.9	9.9W	53 46.808	0.0039	21	-30 27 59.02	0.044	21	0.42	46.740	22	32.5	59.78	21	32.5	K0	L	C7	1422	C -30 1555
32	9.9	9.7W	53 48.099	-0.0034	13	-35 23 35.04	-0.019	13	0.26	48.147	15	36.0	34.78	21	36.0	F8		C8	1341	C -35 1473
33	10.5	9.7W	53 57.746	0.0007	13	-35 2 21.55	-0.041	13	0.26	57.737	15	36.0	20.98	21	36.0	K1	L	C8	1342	C -35 1475
34	10.8	9.6W	54 11.304	-0.0028	21	-32 48 36.34	0.074	21	0.42	11.353	22	32.5	37.64	21	32.5			C7	1424	C -33 1454
35	10.0	9.7W	54 16.080	0.0001	18	-37 29 54.93	-0.018	18	0.31	16.079	15	36.0	54.68	21	36.0	F8		C8	1343	C -37 1522
36	7.8	8.0W	54 30.360	0.0011	21	-31 50 22.33	-0.001	21	0.42	30.342	22	32.5	22.32	21	32.5	A2		C7	1425	C -32 1535
37	9.9	9.7W	54 31.139	0.0001	13	-36 12 17.21	0.019	13	0.26	31.137	15	36.0	17.48	21	36.0	G0		C8	1345	C -36 1523
38	9.6	8.5W	54 31.753	-0.0015	21	-30 8 20.54	-0.026	21	0.42	31.779	22	32.5	19.59	21	32.5	K0		C7	1426	C -30 1567
39		6.8T	54 41.874	0.0021	07	-39 6 21.65	-0.000	05	0.31	41.775	14	02.6	21.64	12	00.0	B9		GC	4763	C*-39 1253
40	8.8	8.4W	54 42.584	-0.0028	21	-33 21 41.49	-0.049	21	0.42	42.633	22	32.5	40.64	21	32.5	G0		C7	1427	C -33 1460
41	10.4		54 56.964	-0.0060	13	-35 40 21.69	0.085	13	0.26	57.048	15	36.0	22.88	21	36.0	F8	L	C8	1348	C -35 1481
42	10.7	9.7W	54 58.897	0.0013	21	-34 0 6.20	0.037	21	0.42	58.874	22	32.5	6.85	21	32.5	K0	L	C7	1428	C -34 1466
43	10.0	9.6W	55 4.556	-0.0020	21	-31 52 28.88	0.002	21	0.42	4.592	22	32.5	28.92	21	32.5	F8	L	C7	1429	C -32 1538
44	10.5	10.0W	55 7.431	0.0018	21	-30 1 11.89	0.040	21	0.42	7.400	22	32.5	12.59	21	32.5	F8	L	C7	1430	C -30 1575
45	10.3		55 10.280	-0.0055	13	-35 40 8.77	-0.085	13	0.26	10.357	15	36.0	7.58	21	36.0	F8	L	C8	1349	C -35 1485
46	10.2	9.7W	55 13.589	0.0060	21	-34 18 2.18	0.027	21	0.42	13.484	22	32.5	2.65	21	32.5	G0	L	C7	1431	C -34 1469
47	10.6		55 19.356	0.0014	18	-35 6 39.16	-0.006	18	0.31	19.337	15	36.0	39.08	21	36.0	F8	L	C8	1351	C -35 1486
48	9.4	8.2W	55 36.960	0.0029	10	-39 14 29.72	0.004	10	0.23	36.919	15	36.0	29.78	21	36.0	K0		C8	1352	C -39 1260
49	9.8	9.1W	55 37.314	0.0077	21	-30 0 38.18	0.029	21	0.42	37.180	22	32.5	38.69	21	32.5	G5		C7	1432	C -30 1576
50	10.3	9.5W	55 56.455	0.0006	21	-34 24 5.73	0.018	21	0.42	56.444	22	32.5	6.05	21	32.5	G5	L	C7	1433	C -34 1471
51	9.7	9.2W	3 56 0.295	-0.0009	21	-32 10 54.07	0.014	21	0.42	0.312	22	32.5	54.32	21	32.5	F5		C7	1434	C -32 1543
52	10.2	9.0W	56 0.916	-0.0011	21	-34 39 11.62	-0.004	21	0.42	0.934	22	32.5	11.56	21	32.5	K5		C7	1435	C -34 1472
53	9.1	8.5W	56 3.916	-0.0001	09	-36 24 13.72	0.097	09	0.22	3.918	15	36.0	15.08	21	36.0	K0		C8	1356	C -36 1535
54	11.1	10.6W	56 7.253	0.0012	21	-31 14 42.82	0.017	21	0.42	7.231	22	32.5	43.11	21	32.5			C7	1436	C -31 1614
55	10.7	9.9W	56 10.235	-0.0044	21	-31 7 30.24	0.050	21	0.42	10.311	22	32.5	31.11	21	32.5	K0	L	C7	1437	C -31 1615
56	10.5	9.8W	56 11.542	-0.0033	18	-38 10 26.74	-0.004	18	0.31	11.588	15	36.0	26.68	21	36.0	G5		C8	1357	C -38 1370
57	10.8	10.8W	56 13.355	0.0031	21	-31 36 11.98	0.019	21	0.42	13.302	22	32.5	12.32	21	32.5	G0	L	C7	1438	C -31 1616
58	9.7	9.6W	56 16.495	0.0023	21	-34 50 37.44	-0.022	21	0.42	16.454	22	32.5	37.06	21	32.5	F2		C7	1439	C -35 1492
59	10.5	10.3W	56 17.960	0.0016	21	-31 5 37.70	0.058	21	0.42	17.931	22	32.5	38.71	21	32.5	F5	L	C7	1440	C -31 1617
60	10.5	9.6W	56 28.258	-0.0026	21	-33 47 10.33	-0.056	21	0.42	28.304	22	32.5	9.35	21	32.5	K0	L	C7	1441	C -34 1473
61	9.6	9.4W	56 33.569	0.0051	09	-36 10 6.01	-0.031	09	0.22	33.497	15	36.0	5.58	21	36.0	F5		C8	1359	C -36 1549
62	10.0	9.5W	56 33.963	0.0012	21	-31 9 49.81	-0.034	21	0.42	33.941	22	32.5	49.21	21	32.5	G5		C7	1442	C -31 1620
63	9.8	9.5W	56 36.432	0.0057	21	-30 42 29.92	-0.000	21	0.42	36.331	22	32.5	29.91	21	32.5	G5		C7	1443	C -30 1585
64	10.3	10.2W	56 39.634	0.0007	21	-31 25 7.39	0.024	21	0.42	39.621	22	32.5	7.81	21	32.5	A3	L	C7	1444	C -31 1621
65	10.3	9.5W	56 40.829	-0.0001	21	-32 21 8.53	0.016	21	0.42	40.831	22	32.5	8.82	21	32.5	K0	L	C7	1445	C -32 1546
66	9.8	9.3W	56 40.946	-0.0003	21	-31 44 9.20	-0.039	21	0.42	40.952	22	32.5	8.52	21	32.5	G0		C7	1446	C -31 1622
67	9.0	8.7W	56 42.497	0.0029	08	-35 20 49.47	0.058	08	0.22	42.457	15	36.0	50.28	21	36.0	F2		C8	1360	C -35 1496
68	9.8	8.9W	56 42.556	-0.0009	18	-36 56 17.44	0.003	18	0.31	42.568	15	36.0	17.48	21	36.0	G5		C8	1361	C -37 1543
69	9.9	8.9W	56 44.354	0.0017	21	-33 36 59.02	-0.027	21	0.42	44.324	22	32.5	58.55	21	32.5	K2		C7	1447	C -33 1476
70	9.9	9.7W	56 54.911	-0.0006	21	-31 47 38.68	0.002	21	0.42	54.922	22	32.5	38.72	21	32.5	F2	L	C7	1448	C -31 1626
71	10.4	9.5W	56 57.395	0.0012	21	-33 40 10.96	-0.018	21	0.42	57.374	22	32.5	10.65	21	32.5	K2	L	C7	1449	C -33 1479
72	10.3		57 2.209	-0.0022	13	-38 44 9.57	-0.021	13	0.26	2.239	15	36.0	9.28	21	36.0	G0		C8	1363	C -38 1377
73	9.1	8.0W	57 3.828	0.0029	13	-35 55 11.83	-0.011	13	0.26	3.787	15	36.0	11.68	21	36.0	K2		C8	1365	C -36 1543
74	10.2	9.1W	57 9.976	-0.0016	16	-38 26 16.46	-0.027	18	0.31	9.998	15	36.0	16.08	21	36.0	K0		C8	1367	C -38 1378
75	11.1	9.9W	57 23.706	-0.0002	21	-30 27 10.88	0.069	21	0.42	23.709	22	32.5	12.09	21	32.5	K0	L	C7	1450	C -30 1590
76	10.1	9.6W	57 25.068	0.0008	21	-33 35 40.89	0.009	21	0.42	25.054	22	32.5	41.05	21	32.5	G		C7	1451	C -33 1484
77	9.9	8.6W	57 45.816	0.0012	07	-38 56 5.49	-0.015	07	0.21	45.799	15	36.0	5.28	21	36.0	K2		C8	1369	C -39 1276
78	10.8	10.1W	57 56.892	0.0017	13	-36 44 39.71	-0.059	13	0.26	56.868	15	36.0	38.88	21	36.0	G5		C8	1371	C -36 1549
79	9.5	9.3W	58 1.015	-0.0009	13	-36 9 49.05	0.002	13	0.26	1.027	15	36.0	49.08	21	36.0	G		C8	1372	C -36 1550
80	9.9	8.9W	58 10.154	-0.0024	13	-35 46 42.17	0.015	13	0.26	10.188	15	36.0	42.38	21	36.0	K0		C8	1373	C -36 1554
81	9.9	9.6W	58 19.839	0.0007	18	-37 7 9.22	0.076	18	0.31	19.829	15	36.0	10.28	21	36.0	G5		C8	1374	C -37 1556
82	9.9	8.6W	58 20.545	0.0031	21	-31 35 5.37	-0.043	21	0.42	20.492	22	32.5	4.62	21	32.5	MA		C7	1452	C -31 1637
83	10.2	9.4W	58 29.706	0.0003	21	-31 54 27.72	0.017	21	0.42	29.702	22	32.5	28.02	21	32.5	K0	L	C7	1453	C -32 1561
84	10.3	9.5W	58 33.011	0.0140	08	-34 59 23.01	-0.032	08	0.22	32.815	15	36.0	22.57	21	36.0	K0		C8	1377	C -35 1511
85	11.1	10.3W	58 36.396	0.0007	21	-31 19 12.21	-0.011	21	0.42	36.331	22	32.5	12.01	21	32.5	G5	L	C7	1454	C -31 1638
86		8.1T	58 36.992	-0.0041	15	-39 5 1.82	-0.075	11	0.67	37.187	21	02.4	57.92	19	98.1	G0		GC	4820	C -39 1284
87	10.5	9.8W	58 39.346	-0.0008	13	-36 26 58.76	0.023	13	0.26	39.358	15	36.0	59.08	21	36.0	K0		C8	1379	C -36 1559
88	10.8		58 40.812	-0.0033	23	-37 31 20.53	0.032	23	0.37	40.858	15	36.0	20.98	21	36.0	F8	L	C8	1380	C -37 1559
89		5.9T	58 40.853	0.0037	05	-30 37 49.13	0.010	05	0.27	40.680	12	02.8	49.62	12	99.8	A0		GC	4824	C -30 1597
90	10.9	9.6W	58 46.136	0.0012	13	-37 15 8.04	-0.026	13	0.26	46.119	15	36.0	7.68	21	36.0	K0		C8	1381	C -37 1560
91	10.0	9.2W	58 55.942	0.0033	21	-33 55 33.97	0.050	21	0.42	55.884	22	32.5	34.85	21	32.5	K0		C7	1456	C -34 1484
92	10.1	9.2W	58 56.705	0.0001	21	-33 11 43.21	-0.004	21	0.42	56.703	22	32.5	43.14	21	32.5	K5		C7	1457	C -33 1495
93	10.1	9.2W	59 2.332	0.0039	23	-36 19 5.26	0.016	23	0.37	2.277	15	36.0	3.48	21	36.0	G5		C8	1382	C -36 1563
94	10.0	9.8W	59 5.337	-0.0080	18	-38 5 4.16	0.016	18	0.31	5.448	15	36.0	4.38	21	36.0	G0		C8	1383	C -38 1393
95	9.9	9.6W	59 9.301	0.0005	21	-30 51 56.45	-0.002	21	0.42	9.291	22	32.5	56.41	21	32.5	G5		C7	1458	C -31 1644
96	9.2	9.0W	59 9.558	0.0014	21	-32 43 43.61	0.013	21	0.42	9.533	22	32.5	43.84	21	32.5	A5		C7	1459	C -32 1569
97	9.8	9.7W	59 11.979	0.0008	21	-34 51 33.29	-0.082	21	0.42	11.964	22	32.5	31.86	21	32.5	F		C7	1460	C -35 1516
98	9.5	9.2W	59 13.230	-0.0029	21	-32 12 41.62	-0.023	21	0.42	13.281	22	32.5	41.22	21	32.5	F8		C7	1461	C -32 1570
99	10.1	9 3W	59 16.892	-0.0018	21	-33 6 23.77	0.021	21	0.42	16.923	22	32.5	24.14	21	32.5	K0	L	C7	1462	C -33 1498
00	9.4	8.6W	59 28.357	-0.0016	18	-38 41 34.98	0.000	18	0.31	28.379	15	36.0	34.98	21	36.0	G5		C8	1384	C -38 1395

194700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ/σ_{1950} .001	″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 3H DM NUMBER
1	10.9	9.9W	3 59 28.902	0.0006	21	-32 24 6.94	-0.013	21	0.42	28.892	22	32.5	6.72	21	32.5			C7	1463	C -32 1571
2	10.2		59 32.936	-0.0065	13	-36 6 21.72	0.054	13	0.26	33.027	15	36.0	22.48	21	36.0	F8		C8	1385	C -36 1566
3	9.9	9.5W	59 46.305	0.0002	21	-31 58 31.10	-0.005	21	0.42	46.302	22	32.5	31.02	21	32.5	F8	L	C7	1464	C -32 1572
4	10.2	9.3W	59 51.612	-0.0011	21	-30 55 10.79	0.007	21	0.42	51.631	22	32.5	10.91	21	32.5	K2		C7	1465	C -31 1652
5	10.5		59 58.806	-0.0001	13	-35 41 3.20	0.013	13	0.26	58.807	15	36.0	3.38	21	36.0	F8	L	C8	1387	C -35 1522
6	10.7	10.1W	4 0 1.612	0.0000	21	-30 39 55.92	0.034	21	0.42	1.611	22	32.5	56.51	21	32.5			C7	1466	C -30 1608
7	8.9	8.6W	0 2.222	0.0046	21	-30 36 25.74	0.067	21	0.42	2.141	22	32.5	26.91	21	32.5	G0		C7	1467	C -30 1609
8	8.2	8.5W	0 6.867	-0.0022	06	-36 14 15.31	-0.002	06	0.20	6.898	15	36.0	15.28	21	36.0	A0		C8	1388	C -36 1569
9		6.7T	0 8.173	0.0307	13	-34 37 11.01	0.009	11	0.63	6.624	17	99.5	11.49	17	97.5	G0		GC	4853K	C*-34 1491
10	9.8	9.1W	0 15.827	-0.0051	13	-36 45 11.59	-0.165	13	0.26	15.898	15	36.0	9.28	21	36.0	G5		C8	1389	C -36 1571
11	10.9	10.4W	0 25.183	0.0036	21	-30 7 49.73	0.032	21	0.42	25.120	22	32.5	50.29	21	32.5			C7	1469	C -30 1613
12	10.0	8.3W	0 34.053	0.0003	13	-38 6 29.68	-0.007	13	0.26	34.048	15	36.0	29.58	21	36.0	K5		C8	1390	C -38 1403
13		8.4T	0 46.047	-0.0048	14	-38 31 37.27	-0.094	10	0.60	46.269	15	03.8	32.70	15	01.6	G0		GC	4873	C -38 1404
14	8.6	8.5W	0 51.348	0.0015	21	-31 22 47.39	-0.004	21	0.42	51.321	22	32.5	47.31	21	32.5	F2		C7	1470	C -31 1658
15	10.4	9.4W	1 7.061	0.0005	21	-30 36 11.62	0.034	21	0.42	7.031	22	32.5	12.21	21	32.5	K0	L	C7	1471	C -30 1622
16	10.0	9.4W	1 8.963	-0.0006	21	-33 7 37.26	-0.007	21	0.42	8.973	22	32.5	37.14	21	32.5	G2		C7	1472	C -33 1513
17		7.6T	1 10.664	-0.0006	15	-39 56 32.67	-0.006	13	0.73	10.693	22	02.1	32.35	21	98.4	A2		GC	4878	C -40 1196
18	9.1	9.0W	1 11.933	-0.0004	18	-36 51 57.32	0.040	18	0.31	11.938	15	36.0	57.88	21	36.0	F2		C8	1393	C -37 1581
19	8.6	7.5W	1 22.963	-0.0020	13	-39 30 6.18	0.000	13	0.26	22.990	15	36.0	6.18	21	36.0	K0		C8	1394	C -39 1303
20	10.0	9.7W	1 26.392	0.0022	21	-32 49 47.37	0.004	21	0.42	26.353	22	32.5	47.44	21	32.5	G0	L	C7	1473	C -33 1517
21	9.7	9.7W	1 38.828	0.0013	09	-38 47 10.33	-0.018	09	0.22	38.809	15	36.0	10.08	21	36.0	F5		C8	1396	C -38 1410
22	10.4	8.9W	1 40.592	-0.0006	13	-39 30 54.47	0.029	13	0.26	40.600	15	36.0	54.88	21	36.0	MA		C8	1397	C -39 1306
23	9.6	8.7W	1 43.032	0.0002	09	-38 44 24.85	-0.041	09	0.22	43.029	15	36.0	24.28	21	36.0	K0		C8	1399	C -38 1412
24	9.8	9.2W	1 46.553	0.0092	21	-31 11 26.30	-0.028	21	0.42	46.391	22	32.5	25.81	21	32.5	G5		C7	1474	C -31 1666
25	10.4	9.1W	1 48.092	0.0023	21	-31 28 42.55	0.004	21	0.42	48.051	22	32.5	42.61	21	32.5	K5		C7	1475	C -31 1667
26		7.1T	1 54.785	-0.0005	14	-37 12 21.72	-0.052	12	0.67	54.809	19	02.3	19.10	19	99.6	A3		GC	4902	C*-37 1584
27	9.2	8.9W	2 4.594	-0.0004	21	-31 54 50.21	-0.074	21	0.42	4.601	22	32.5	48.92	21	32.5	F8		C7	1476	C -32 1588
28	10.2	10.0W	2 7.975	-0.0030	13	-36 14 50.02	-0.017	13	0.26	8.017	15	36.0	49.78	21	36.0	G		C8	1401	C -36 1584
29	9.8	9.3W	2 10.812	-0.0017	21	-31 25 9.01	-0.080	21	0.42	10.841	22	32.5	7.61	21	32.5	G		C7	1477	C -31 1670
30	9.4	9.1W	2 15.906	0.0008	21	-31 25 27.28	-0.061	21	0.42	15.891	22	32.5	26.21	21	32.5	A3		C7	1478	C -31 1672
31	10.1	9.7W	2 16.368	-0.0009	21	-33 33 31.76	0.028	21	0.42	16.384	22	32.5	32.25	21	32.5	K0	L	C7	1479	C -33 1531
32	10.2	9.3W	2 18.847	0.0049	21	-30 59 16.30	-0.022	21	0.42	18.761	22	32.5	15.91	21	32.5	K0		C7	1480	C -31 1673
33	9.8	8.9W	2 21.177	-0.0001	18	-38 15 41.78	-0.007	18	0.31	21.178	15	36.0	41.68	21	36.0	G5		C8	1402	C -38 1417
34	9.9	8.6W	2 34.264	-0.0012	21	-34 52 16.29	-0.042	21	0.42	34.284	22	32.5	15.56	21	32.5	K2		C7	1481	C -35 1539
35	9.1	9.1W	2 35.761	-0.0007	21	-32 36 48.67	-0.002	21	0.42	35.773	22	32.5	48.64	21	32.5	A2		C7	1482	C*-32 1591
36	10.0	9.3W	2 40.002	0.0007	21	-30 8 34.35	0.042	21	0.42	39.990	22	32.5	35.09	21	32.5	G5		C7	1483	C -30 1634
37	9.3	9.3W	2 41.446	0.0011	07	-39 54 7.43	-0.054	07	0.21	41.430	15	36.0	6.68	21	36.0	A0		C8	1405	C -40 1208
38	10.5	10.2W	2 43.720	0.0065	13	-36 43 46.73	-0.075	13	0.26	43.629	15	36.0	45.68	21	36.0	F5	L	C8	1406	C -36 1586
39		7.8T	2 52.843	0.0014	12	-30 21 24.82	0.035	11	0.65	52.765	17	96.1	26.79	15	93.8	F0		GC	4925	C*-30 1636
40	10.4	10.2W	2 54.639	0.0027	21	-30 43 51.98	0.048	21	0.42	54.591	22	32.5	52.81	21	32.5	F8	L	C7	1485	C -30 1637
41	10.0	9.2W	2 58.159	-0.0028	18	-37 52 49.42	-0.003	18	0.31	58.198	15	36.0	49.38	21	36.0	G5		C8	1408	C -38 1426
42		8.4T	3 0.347	0.0015	15	-30 18 51.66	0.027	16	0.74	0.270	19	00.5	52.96	21	02.0	K2		GC	4927	C -30 1638
43	10.3	10.1W	3 0.591	-0.0029	21	-33 10 0.76	-0.046	21	0.43	0.643	22	32.0	-59.94	21	32.0	G0	L	C7	1487	C -33 1539
44	10.0	10.0W	3 0.669	-0.0003	21	-33 59 51.79	0.003	21	0.43	0.674	22	32.0	51.85	21	32.0	A0		C7	1488	C -34 1506
45	8.3	8.1W	3 1.935	0.0007	10	-35 58 22.33	-0.096	10	0.23	1.928	15	36.0	20.98	21	36.0	F8		C8	1410	C -36 1587
46	8.3	8.1W	3 2.742	0.0003	10	-35 58 26.69	-0.115	10	0.23	2.738	15	36.0	25.08	21	36.0	F8		C8	1411	C -36 1587
47	8.1	7.7W	3 4.130	-0.0048	07	-35 34 52.24	-0.040	07	0.21	4.197	15	36.0	51.68	21	36.0	G0		C8	1412	C -35 1544
48	8.7	8.6W	3 7.819	0.0021	21	-31 18 16.21	-0.022	21	0.43	7.781	22	32.0	15.81	21	32.0	F0		C7	1489	C -31 1679
49	9.7	8.4W	3 13.498	-0.0008	13	-36 31 30.62	-0.010	13	0.26	13.509	15	36.0	30.48	21	36.0	K2		C8	1413	C -36 1588
50	10.4	9.6W	3 25.847	-0.0002	13	-39 29 3.67	-0.035	13	0.26	25.849	15	36.0	3.18	21	36.0	G0		C8	1414	C -39 1320
51	9.8	8.8W	4 3 29.122	-0.0023	21	-32 56 38.36	-0.029	21	0.43	29.163	22	32.0	37.84	21	32.0	K5		C7	1490	C -33 1547
52	10.1	9.2W	3 29.594	-0.0011	21	-33 42 37.89	-0.008	21	0.43	29.614	22	32.0	37.75	21	32.0	K0		C7	1491	C -33 1548
53	9.2	8.9W	3 35.969	-0.0007	21	-31 56 43.16	-0.008	21	0.43	35.982	22	32.0	43.02	21	32.0	F5		C7	1492	C -32 1600
54		6.7T	3 38.152	0.0039	11	-31 11 5.71	-0.017	11	0.60	37.946	17	96.7	4.78	17	96.0	F8		GC	4940	C*-31 1687
55	9.0	7.9W	3 47.664	0.0012	06	-35 36 3.73	-0.032	06	0.20	47.648	15	36.0	3.28	21	36.0	K0		C8	1415	C -35 1551
56	10.4	10.0W	3 51.740	-0.0008	21	-33 35 32.41	-0.065	21	0.43	51.754	22	32.0	31.25	21	32.0	G5	L	C7	1494	C -33 1551
57	10.4	9.8W	3 54.713	-0.0010	21	-31 46 40.99	0.029	21	0.43	54.732	22	32.0	41.52	21	32.0	G5	L	C7	1495	C -31 1688
58	10.1	9.7W	3 58.245	0.0118	21	-32 33 2.17	0.098	21	0.43	58.033	22	32.0	3.94	21	32.0	G5	L	C7	1496	C -32 1601
59	9.1	8.0W	4 2.027	0.0022	13	-35 12 14.10	-0.009	13	0.26	1.997	15	36.0	13.98	21	36.0	K0		C8	1416	C -35 1552
60	9.6	9.0W	4 15.115	-0.0024	18	-37 37 54.61	-0.009	18	0.31	15.148	15	36.0	54.48	21	36.0	G5		C8	1417	C -37 1603
61	9.4	8.9W	4 15.191	-0.0006	06	-39 7 44.17	-0.171	06	0.20	15.199	15	36.0	41.78	21	36.0	G0		C8	1418	C -39 1328
62	10.7	9.9W	4 19.422	0.0007	21	-30 17 12.29	0.033	21	0.43	19.410	22	32.0	12.88	21	32.0	G5		C7	1497	C -30 1648
63	9.5	9.3W	4 26.210	-0.0012	21	-30 47 11.11	-0.061	21	0.43	26.231	22	32.0	10.01	21	32.0	F8		C7	1498	C -31 1695
64	8.9	8.7W	4 46.284	-0.0021	21	-31 3 9.98	-0.009	21	0.43	46.321	22	32.0	9.81	21	32.0	F8		C7	1499	C -31 1697
65	10.7	9.7W	4 49.161	-0.0012	11	-35 53 51.19	-0.015	11	0.24	49.177	15	36.0	50.98	21	36.0	K1	L	C8	1420	C -36 1595
66	9.5	9.1W	4 49.649	0.0059	21	-32 35 24.88	-0.019	21	0.43	49.543	22	32.0	24.54	21	32.0	F0		C7	1500	C*-32 1608
67	9.8	8.4W	4 52.658	0.0007	13	-38 12 9.26	-0.006	13	0.26	52.648	15	36.0	9.18	21	36.0	K0		C8	1421	C -38 1435
68	9.9	9.9W	4 56.328	-0.0022	18	-38 29 31.06	-0.013	18	0.31	56.358	15	36.0	30.88	21	36.0	F0		C8	1422	C -38 1436
69	9.6	9.1W	4 57.515	-0.0033	21	-33 30 47.79	-0.036	21	0.43	57.574	22	32.0	47.15	21	32.0	G5		C7	1501	C -33 1557
70	9.9	9.5W	5 0.676	0.0027	13	-36 34 54.02	0.076	13	0.26	0.638	15	36.0	55.08	21	36.0	G0		C8	1423	C -36 1596
71	10.0	9.1W	5 2.574	0.0012	13	-35 39 39.82	-0.003	13	0.26	2.558	15	36.0	39.78	21	36.0	K0		C8	1424	C -35 1561
72	8.9	8.6W	5 6.359	0.0010	21	-31 51 59.83	0.194	21	0.43	6.342	22	32.0	+ 3.32	21	32.0	F8		C7	1502	C -32 1609
73	9.0	8.9W	5 9.051	-0.0013	10	-39 11 16.10	-0.009	10	0.23	9.069	15	36.0	15.98	21	36.0	F0		C8	1426	C -39 1333
74	9.2	8.5W	5 17.324	0.0006	13	-35 40 46.55	-0.019	13	0.26	17.318	15	36.0	46.28	21	36.0	G5		C8	1427	C -35 1565
75	9.5	8.4W	5 20.120	0.0003	21	-34 25 22.21	0.002	21	0.43	20.114	22	32.0	22.25	21	32.0	K0		C7	1503	C -34 1521
76	8.3	8.4W	5 28.792	-0.0011	05	-36 16 33.04	0.003	05	0.19	28.807	15	36.0	33.08	21	36.0	A3		C8	1428	C -36 1606
77	10.2	9.8W	5 37.494	0.0055	13	-35 8 0.14	0.017	13	0.26	37.417	15	36.0	0.38	21	36.0	G5		C8	1429	C -35 1568
78	10.9	10.2W	5 38.439	-0.0028	18	-37 57 45.47	0.001	18	0.31	38.478	15	36.0	45.48	21	36.0	K1	L	C8	1430	C -38 1439
79	10.1	8.6W	5 38.605	0.0009	13	-39 37 51.88	0.000	13	0.26	38.590	15	36.0	51.88	21	36.0	MA		C8	1431	C -39 1336
80	8.4	7.6W	5 40.377	0.0014	06	-35 31 27.70	0.020	06	0.20	40.358	15	36.0	27.98	21	36.0	G0		C8	1432	C -35 1571
81	10.1	9.7W	5 44.827	0.0042	21	-32 7 6.86	0.031	21	0.43	44.752	22	32.0	7.42	21	32.0	G0	L	C7	1505	C -32 1614
82		6.6T	5 48.155	-0.0009	12	-37 11 40.39	-0.041	11	0.61	48.201	15	98.8	38.16	17	95.6	G5		GC	4963	C*-37 1618
83	10.6	9.6W	5 50.896	0.0030	21	-31 0 59.23	0.016	21	0.43	50.841	22	32.0	59.51	21	32.0	G5	L	C7	1506	C -31 1704
84	10.1	9.9W	5 55.425	-0.0008	21	-30 2 47.48	0.017	21	0.43	55.439	22	32.0	47.79	21	32.0	G0		C7	1507	C -30 1661
85	10.1	10.1W	6 11.388	0.0010	21	-30 18 3.92	0.070	21	0.43	11.370	22	32.0	5.18	21	32.0	F2	L	C7	1508	C -30 1666
86	10.5	9.2W	6 11.785	0.0026	13	-36 45 38.36	0.037	13	0.26	11.748	15	36.0	38.88	21	36.0	K0		C8	1436	C -36 1604
87	9.9	9.4W	6 19.230	0.0016	21	-30 34 47.48	0.041	21	0.43	19.201	22	32.0	48.21	21	32.0	G0		C7	1509	C -30 1670
88	10.9	10.1W	6 20.093	-0.0037	21	-30 14 49.80	0.016	21	0.43	20.159	22	32.0	50.09	21	32.0	G5	L	C7	1510	C -30 1669
89	9.5	9.4W	6 21.174	-0.0006	21	-33 23 23.39	0.008	21	0.43	21.183	22	32.0	23.54	21	32.0	F0		C7	1511	C -33 1570
90		7.1T	6 21.593	0.0021	15	-32 59 19.40	0.015	13	0.71	21.492	17	01.8	20.16	17	00.3	A3		GC	4986K	C*-33 1569
91	10.5	10.1W	6 23.866	-0.0015	13	-35 16 17.01	-0.052	13	0.26	23.887	15	36.0	16.28	21	36.0	G5		C8	1437	C -35 1572
92	9.6	8.7W	6 28.172	0.0039	13	-35 32 29.95	-0.012	13	0.26	28.118	15	36.0	29.78	21	36.0	G5		C8	1438	C -35 1574
93	10.2	9.6W	6 29.433	0.0012	21	-31 5 53.28	0.030	21	0.43	29.411	22	32.0	53.81	21	32.0	K0	L	C7	1513	C -31 1711
94	10.0	9.7W	6 41.921	-0.0033	13	-36 24 12.43	-0.011	13	0.26	41.968	15	36.0	12.28	21	36.0	F5		C8	1439	C -36 1609
95	9.2	8.0W	6 43.910	-0.0008	21	-34 15 1.15	0.022	21	0.43	43.924	22	32.0	1.55	21	32.0	K0		C7	1514	C -34 1552
96	10.9	10.2W	6 58.769	0.0015	21	-31 28 20.23	0.010	21	0.43	58.741	22	32.0	20.41	21	32.0	K0	L	C7	1515	C -31 1715
97	10.2	9.3W	7 2.128	0.0019	21	-33 31 53.65	0.000	21	0.43	2.094	22	32.0	53.65	21	32.0	K0		C7	1516	C -33 1574
98	10.1	9.9W	7 15.257	-0.0014	21	-30 32 52.32	-0.006	21	0.43	15.281	22	32.0	52.31	21	32.0	G0		C7	1517	C -30 1677
99	10.4	10.2W	7 35.680	-0.0008	21	-33 52 32.27	-0.007	21	0.43	35.694	22	32.0	32.15	21	32.0	G0	L	C7	1518	C -34 1540
00	9.7	9.3W	7 37.174	0.0003	18	-38 49 1.45	-0.005	18	0.31	37.169	15	36.0	1.38	21	36.0	G0		C8	1442	C -39 1349

194800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″/001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″/001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 4H DM NUMBER
1	9.1	8.1W	4 7 38.215	-0.0010	06	-36 47 4.35	-0.048	06	0.20	38.229	15	36.0	3.68	21	36.0	G5	C8	1443	C -36 1612
2	10.6	9.8W	7 38.263	-0.0017	18	-35 1 45.13	0.025	18	0.31	38.287	15	36.0	45.48	21	36.0	K0 L	C8	1444	C -35 1581
3		7.4T	7 39.679	0.0055	15	-33 6 16.73	-0.048	13	0.70	39.418	15	02.4	14.39	17	00.9	K0	GC	5016	C*-33 1581
4	10.0	9.2W	8 0.566	-0.0002	13	-37 28 58.76	-0.006	13	0.26	0.569	15	36.0	58.68	21	36.0	G5	C8	1445	C -37 1633
5	9.8	8.6W	8 5.506	0.0007	21	-33 16 58.22	0.001	21	0.43	5.493	22	32.0	58.24	21	32.0	K2	C7	1520	C -33 1583
6		7.2T	8 10.388	0.0017	12	-34 37 39.29	0.032	12	0.64	10.301	15	98.5	40.97	19	97.9	M0	GC	5030	C*-34 1545
7	10.4	10.3W	8 22.431	0.0009	16	-37 15 46.30	-0.044	18	0.31	22.418	15	36.0	45.68	21	36.0	G0	C8	1447	C -37 1635
8	9.1	8.9W	8 25.888	-0.0012	21	-30 24 39.91	0.032	21	0.43	25.909	22	32.0	40.48	21	32.0	A2	C7	1522	C -30 1687
9	10.7		8 50.789	-0.0028	18	-36 36 24.17	0.029	18	0.31	50.828	15	36.0	24.58	21	36.0	F0 L	C8	1449	C -36 1619
10		6.4T	8 54.197	-0.0021	10	-35 24 8.00	-0.033	08	0.51	54.309	15	97.4	6.08	17	92.2	G5	GC	5046	C -35 1588
11	10.4	10.2W	9 3.253	-0.0000	21	-33 18 8.02	-0.021	21	0.43	3.253	22	32.0	7.64	21	32.0	F5 L	C7	1523	C -33 1595
12	10.4	9.8W	9 7.570	0.0009	21	-33 33 18.57	0.004	21	0.43	7.554	22	32.0	18.65	21	32.0	G5 L	C7	1524	C -33 1596
13	8.7	8.5W	9 10.943	-0.0023	21	-34 14 29.78	0.009	21	0.43	10.984	22	32.0	29.95	21	32.0	F0	C7	1525	C -34 1556
14	10.9		9 22.482	-0.0005	18	-37 19 46.82	0.011	18	0.31	22.489	15	36.0	46.98	21	36.0	F8 L	C8	1453	C -37 1644
15	10.0	9.8W	9 31.064	-0.0005	21	-32 58 9.51	-0.054	21	0.43	31.073	22	32.0	8.54	21	32.0	F5 L	C7	1526	C -33 1598
16	9.9	9.9W	9 31.368	-0.0025	21	-33 28 32.49	0.036	21	0.43	31.413	22	32.0	33.14	21	32.0	A	C7	1527	C -33 1599
17	9.7	9.1W	9 53.308	0.0060	21	-30 27 28.28	0.067	21	0.43	53.199	22	32.0	29.49	21	32.0	G5	C7	1528	C -30 1694
18	9.2	9.1W	9 56.321	-0.0005	21	-30 22 44.60	-0.001	21	0.43	56.329	22	32.0	44.59	21	32.0	A5	C7	1529	C -30 1695
19	10.2	9.7W	9 58.596	0.0056	08	-36 10 46.12	0.083	08	0.22	58.517	15	36.0	47.28	21	36.0	G	C8	1454	C -36 1624
20	9.9	9.1W	10 3.295	0.0023	21	-33 53 44.57	0.032	21	0.43	3.254	22	32.0	45.15	21	32.0	K0	C7	1530	C*-34 1564
21	10.2	9.9W	10 10.399	0.0047	21	-34 28 3.19	0.003	21	0.43	10.314	22	32.0	3.25	21	32.0	G0 L	C7	1531	C -34 1565
22		7.9T	10 11.559	0.0007	18	-30 33 50.02	0.019	18	0.90	11.527	19	01.8	50.94	19	01.3	K0	GC	5071	C*-30 1696
23	9.7	8.7W	10 14.065	-0.0003	13	-38 59 8.91	-0.024	13	0.26	14.069	15	36.0	8.58	21	36.0	K0	C8	1457	C -39 1375
24	10.8	10.0W	10 17.800	-0.0052	21	-34 27 56.24	0.095	21	0.43	17.894	22	32.0	57.95	21	32.0	G0 L	C7	1533	C -34 1567
25	9.8	8.4W	10 17.950	0.0017	13	-35 5 2.58	0.021	13	0.26	17.927	15	36.0	2.88	21	36.0	K2	C8	1458	C -35 1602
26	10.7	10.1W	10 20.401	-0.0006	21	-31 11 57.48	-0.020	21	0.43	20.411	22	32.0	57.11	21	32.0	K0 L	C7	1534	C -31 1738
27	8.0	7.5W	10 25.992	0.0145	21	-31 42 24.84	-0.129	21	0.43	25.732	22	32.0	22.52	21	32.0	G5	C7	1535	C -31 1739
28	10.2	9.9W	10 33.025	0.0014	21	-30 17 26.64	0.019	21	0.43	33.000	22	32.0	26.99	21	32.0	F8 L	C7	1536	C -30 1698
29	9.8	9.6W	10 34.420	0.0015	18	-37 48 30.18	0.007	18	0.31	34.398	15	36.0	30.28	21	36.0	F5	C8	1459	C -38 1475
30	10.2	10.2W	10 34.576	-0.0038	21	-34 20 37.97	-0.057	21	0.43	34.644	22	32.0	36.95	21	32.0	A	C7	1537	C -34 1570
31		7.0T	10 40.266	0.0021	17	-36 16 46.89	0.020	16	0.81	40.165	21	02.8	47.84	21	01.9	F5	GC	5080K	C -36 1631
32		8.1T	10 43.445	0.0012	17	-36 16 12.51	0.055	16	0.82	43.386	21	02.4	15.17	21	01.4	F5	GC	5083K	C -36 1632
33	10.5		10 48.405	-0.0024	18	-37 23 17.00	-0.009	18	0.31	48.439	15	36.0	16.88	21	36.0	F5 L	C8	1463	C -37 1654
34		7.7T	10 51.625	0.0011	13	-30 26 26.84	0.009	12	0.65	51.575	19	02.2	27.29	18	00.3	KK	GC	5090	C -30 1701
35	9.8	9.0W	10 58.139	0.0009	21	-33 16 2.50	0.002	21	0.43	58.123	22	32.0	2.54	21	32.0	K0	C7	1539	C -33 1613
36		7.1T	11 7.103	0.0009	13	-32 55 16.60	0.039	12	0.66	7.059	15	00.1	18.58	18	99.8	A3	GC	5098	C -33 1614
37	8.4	8.4W	11 16.669	0.0004	21	-31 24 32.42	0.022	21	0.43	16.661	22	32.0	32.81	21	32.0	A5	C7	1541	C -31 1744
38	9.6	8.1W	11 17.765	0.0026	13	-36 40 16.31	0.019	13	0.26	17.729	15	36.0	16.58	21	36.0	MA	C8	1466	C -36 1638
39	9.9	8.3W	11 21.878	-0.0022	18	-38 8 32.35	-0.012	18	0.31	21.908	15	36.0	32.18	21	36.0	K2	C8	1467	C -38 1481
40	10.4	9.3W	11 23.217	0.0012	10	-39 53 27.32	0.011	10	0.23	23.200	15	36.0	27.48	21	36.0	G5	C8	1468	C -40 1278
41	10.3	9.6W	11 28.793	-0.0001	21	-34 41 2.28	0.021	21	0.43	28.795	22	32.0	2.66	21	32.0	G5	C7	1542	C -34 1578
42	10.1	9.8W	11 30.681	0.0023	21	-30 3 29.15	0.041	21	0.43	30.639	22	32.0	29.89	21	32.0	F8	C7	1543	C -30 1706
43	10.3	9.1W	11 31.417	-0.0002	18	-38 46 15.37	0.015	18	0.31	31.419	15	36.0	15.58	21	36.0	K0	C8	1469	C -38 1484
44	10.7	9.7W	11 33.271	-0.0040	13	-36 0 41.64	-0.004	13	0.26	33.327	15	36.0	41.58	21	36.0	G5	C8	1471	C -36 1640
45	9.7	9.4W	11 38.924	0.0053	08	-39 17 31.81	-0.002	08	0.22	38.849	15	36.0	31.78	21	36.0	G0	C8	1473	C -39 1388
46	8.9	8.7W	11 39.589	-0.0014	21	-33 37 50.88	-0.035	21	0.43	39.614	22	32.0	50.25	21	32.0	F8	C7	1544	C -33 1620
47	10.9		12 2.179	0.0008	23	-35 45 26.55	-0.041	23	0.37	2.168	15	36.0	25.98	21	36.0	G0 L	C8	1475	C -35 1612
48		7.1T	12 2.455	-0.0024	13	-32 10 2.05	-0.017	12	0.67	2.574	18	00.9	1.21	18	99.0	G5	GC	5116	C -32 1671
49		7.1T	12 4.263	0.0027	06	-30 14 17.86	0.013	06	0.31	4.135	12	03.6	18.48	12	01.9	K0	GC	5117	C*-30 1710
50	10.0	8.9W	12 5.603	-0.0011	13	-37 10 55.44	0.010	13	0.26	5.619	15	36.0	55.58	21	36.0		C8	1476	C -37 1663
51	10.0	9.2W	4 12 6.200	-0.0017	21	-31 59 11.29	0.018	21	0.43	6.232	22	32.0	11.62	21	32.0	G5	C7	1547	C -32 1672
52		6.8T	12 8.570	-0.0012	06	-37 9 19.90	-0.017	06	0.30	8.625	10	04.0	19.09	12	02.7	K0	GC	5118	C -37 1664
53	10.2	10.1W	12 9.371	-0.0017	21	-30 54 15.67	0.036	21	0.43	9.401	22	32.0	16.31	21	32.0	F5 L	C7	1548	C -31 1754
54	10.8	10.5W	12 12.151	-0.0017	21	-32 20 55.80	-0.066	21	0.43	12.182	22	32.0	54.62	21	32.0	G0 L	C7	1549	C -32 1674
55	10.4	9.6W	12 17.871	-0.0006	21	-30 59 15.28	-0.015	21	0.43	17.881	22	32.0	15.01	21	32.0	K0 L	C7	1550	C -31 1755
56	9.9	8.8W	12 27.970	0.0002	13	-36 21 3.07	0.008	13	0.26	27.968	15	36.0	3.18	21	36.0	G5	C8	1480	C -36 1643
57	10.7		12 29.866	0.0034	13	-36 47 15.54	0.010	13	0.26	29.818	15	36.0	15.68	21	36.0	G0 L	C8	1481	C -36 1642
58		6.8T	12 33.131	0.0023	17	-38 23 7.43	0.071	16	0.78	33.027	22	04.9	10.70	21	03.9	G5	GC	5125	C -38 1490
59	10.8		12 34.066	0.0056	23	-36 21 34.27	-0.028	23	0.37	33.988	15	36.0	33.88	21	36.0	F8 L	C8	1484	C -36 1644
60	9.8E	9.0H	12 35.745	0.0024	12	-39 57 3.33	0.024	12	0.86	35.622	63	98.9	4.56	57	98.9	K0	CZ	2122	P -40 436
61	9.6	9.1W	12 35.965	0.0026	13	-38 26 31.03	0.025	13	0.26	35.928	15	36.0	31.38	21	36.0	G5	C8	1485	C -38 1491
62	9.7	9.0W	12 44.619	-0.0006	13	-35 17 42.93	0.039	13	0.26	44.627	15	36.0	43.48	21	36.0	G5	C8	1486	C -35 1618
63	9.6	8.6W	12 47.234	-0.0004	13	-39 5 42.79	-0.008	13	0.26	47.239	15	36.0	42.68	21	36.0	G5	C8	1488	C -39 1400
64	10.4	9.9W	13 3.331	-0.0040	21	-32 41 39.55	-0.056	21	0.43	3.403	22	32.0	38.54	21	32.0	K0 L	C7	1551	C -32 1682
65	10.7	10.4W	13 4.053	0.0003	18	-37 47 22.59	-0.008	18	0.31	4.048	15	36.0	22.48	21	36.0	G0 L	C8	1489	C -37 1675
66		7.4T	13 7.109	0.0040	12	-30 11 45.38	0.012	13	0.68	6.904	18	98.0	46.02	18	97.5	A2	GC	5142K	C*-30 1719
67	7.3	7.6W	13 7.182	-0.0004	21	-30 11 53.71	0.071	21	0.43	7.189	22	32.0	54.99	21	32.0	A2	C7	1553	C -30 1719
68		8.1T	13 15.928	0.0009	13	-31 54 48.72	-0.029	13	0.52	15.894	15	11.5	47.59	15	11.8	K0	GC	5148	C*-32 1683
69	10.0	8.8W	13 22.923	-0.0023	21	-34 30 36.26	0.050	21	0.43	22.964	22	32.0	37.16	21	32.0	K0	C7	1555	C -34 1593
70		6.6T	13 23.025	0.0001	22	-37 19 14.74	0.016	18	0.95	23.021	24	05.5	15.46	24	04.6	A0	GC	5150	C -37 1677
71	9.7	9.6W	13 24.623	0.0024	21	-30 28 47.51	-0.018	21	0.43	24.580	22	32.0	47.19	21	32.0	F5	C7	1556	C -30 1721
72		6.9T	13 25.204	-0.0042	20	-38 25 11.24	0.076	18	0.88	25.390	24	05.7	14.68	24	04.7	G0	GC	5152	C -38 1497
73	8.7	7.4W	13 34.987	0.0014	13	-36 19 39.65	0.002	13	0.26	34.967	15	36.0	39.68	21	36.0	G5	C8	1492	C -36 1652
74	9.3	9.1W	13 40.042	0.0032	21	-34 16 45.80	-0.014	21	0.43	39.984	22	32.0	45.55	21	32.0	F0	C7	1557	C -34 1596
75	9.8	8.8W	13 42.067	0.0003	21	-30 40 47.85	-0.013	21	0.43	42.061	22	32.0	47.61	21	32.0	K0	C7	1558	C -30 1723
76	10.9	10.5W	13 46.437	0.0030	21	-33 29 53.53	0.006	21	0.43	46.383	22	32.0	53.64	21	32.0	G0 L	C7	1559	C -33 1635
77	10.1	9.3W	13 49.453	-0.0033	21	-33 6 21.07	0.015	21	0.43	49.513	22	32.0	21.34	21	32.0	G5	C7	1560	C -33 1636
78	9.0	8.6W	14 0.050	0.0027	21	-32 6 42.98	0.035	21	0.43	0.002	22	32.0	43.62	21	32.0	F8	C7	1561	C -32 1688
79		8.1T	14 10.593	0.0066	13	-35 23 16.06	-0.062	12	0.66	10.267	17	00.4	12.87	18	98.7	F5	GC	5168	C -35 1632
80	9.3	8.4W	14 12.918	0.0015	21	-31 51 1.36	-0.008	21	0.43	12.892	22	32.0	1.22	21	32.0	G5	C7	1562	C -32 1689
81	10.6	10.0W	14 13.331	0.0016	18	-37 9 49.45	0.009	18	0.31	13.309	15	36.0	49.58	21	36.0	G5	C8	1494	C -37 1681
82	9.4	8.9W	14 15.193	0.0073	21	-30 59 17.15	-0.024	21	0.43	15.061	22	32.0	16.71	21	32.0	G0	C7	1563	C -31 1774
83	11.1	10.1W	14 19.495	0.0019	21	-31 45 30.35	0.054	21	0.43	19.461	22	32.0	31.32	21	32.0	G5 L	C7	1564	C -31 1776
84		8.2T	14 21.852	-0.0000	14	-39 44 33.70	0.009	12	0.69	21.853	19	00.4	34.17	18	96.1	A0	GC	5173	C*-39 1408
85	9.2	8.7W	14 37.917	0.0013	13	-36 37 29.48	0.000	13	0.26	37.898	15	36.0	29.48	21	36.0	G0	C8	1498	C -36 1657
86		7.0T	14 43.905	-0.0005	10	-39 0 21.89	-0.037	08	0.54	43.932	17	96.5	19.54	17	86.7	A0	GC	5181	C -39 1410
87	10.1	9.2W	14 47.696	-0.0016	13	-36 46 38.60	-0.016	13	0.26	47.719	15	36.0	38.38	21	36.0	G0	C8	1500	C -36 1659
88		9.4T	14 59.834	0.0022	16	-30 12 21.43	0.000	14	0.77	59.726	21	02.1	21.44	19	99.4	K	GC	5187	C -30 1734
89	10.4	9.4W	15 1.625	-0.0036	21	-30 7 30.47	-0.027	21	0.43	1.689	22	32.0	29.99	21	32.0	K0	C7	1566	C -30 1735
90	9.8	9.6W	15 11.973	0.0003	18	-36 52 31.27	0.029	18	0.31	11.969	15	36.0	31.68	21	36.0	G0	C8	1501	C -37 1685
91	9.3	9.5W	15 14.189	0.0009	21	-32 46 14.36	0.032	21	0.43	14.173	22	32.0	14.94	21	32.0	A0	C7	1567	C -32 1693
92	10.4	9.0W	15 21.659	0.0004	21	-30 34 33.61	0.017	21	0.43	21.651	22	32.0	33.91	21	32.0	K5	C7	1568	C -30 1742
93	10.5	9.3W	15 27.870	0.0017	13	-35 0 52.49	-0.001	13	0.26	27.847	15	36.0	52.48	21	36.0	K0	C8	1502	C -35 1639
94	10.7	10.4W	15 28.913	0.0026	13	-35 12 47.83	0.032	13	0.26	28.877	15	36.0	48.28	21	36.0	G5	C8	1503	C -35 1638
95		8.8T	15 29.459	0.0004	13	-38 57 57.12	-0.006	11	0.64	29.440	21	01.4	56.81	19	00.3	A0	GC	5192	C -39 1416
96	9.6	9.0W	15 31.246	0.0041	09	-36 58 19.95	0.009	09	0.22	31.189	15	36.0	20.08	21	36.0	G5	C8	1505	C -37 1691
97	10.6	10.3W	15 37.615	-0.0016	21	-33 34 30.84	0.028	21	0.43	37.644	22	32.0	31.35	21	32.0	G5 L	C7	1569	C -33 1651
98	10.4	9.5W	15 40.059	-0.0005	13	-35 23 24.15	-0.041	13	0.26	40.067	15	36.0	23.58	21	36.0	K0	C8	1506	C -35 1641
99	9.4	9.2W	15 47.372	0.0039	21	-31 13 27.33	0.027	21	0.43	47.301	22	32.0	27.81	21	32.0	F8	C7	1570	C -31 1782
00	10.6	9.8W	15 50.942	0.0046	13	-36 5 19.76	0.073	13	0.26	50.877	15	36.0	20.78	21	36.0	G5	C8	1508	C -36 1664

194900			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 4H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	$\sigma_{\delta 1950}$ ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1		7.3T	4 15 57.966	0.0004	13	-34 18 27.88	-0.004	12	0.65	57.946	15	00.6	28.10	18	98.1	F0	GC	5200	C -34 1613		
2		3.6M	16 0.036	0.0049	04	-33 55 9.65	-0.006	04	0.23	-59.787	08	98.7	9.33	08	96.6	B9 J	F3	1600	*		
3	10.1	10.0W	16 4.166	0.0024	21	-32 48 19.22	-0.027	21	0.43	4.123	22	32.0	18.74	21	32.0	F5	C7	1573	C -32 1697		
4	9.9	8.6W	16 4.744	0.0019	08	-36 12 49.96	0.001	08	0.22	4.717	15	36.0	49.98	21	36.0	K0	C8	1509	C -36 1666		
5	9.6	9.7W	16 9.248	-0.0042	21	-33 51 43.06	0.060	21	0.43	9.324	22	32.0	44.15	21	32.0	A5 L	C7	1574	C -34 1616		
6	9.8	8.7W	16 12.850	-0.0071	09	-38 32 56.52	-0.067	09	0.22	12.949	15	36.0	55.58	21	36.0	K0	C8	1511	C -38 1515		
7	10.3	9.6W	16 19.671	0.0024	11	-35 36 53.85	0.009	11	0.24	19.637	15	36.0	53.98	21	36.0	G5	C8	1512	C -35 1647		
8	9.2	9.0W	16 22.987	0.0026	13	-39 41 40.83	0.025	13	0.26	22.950	15	36.0	41.18	21	36.0	F5	C8	1513	C -39 1427		
9	9.7	9.5W	16 23.321	0.0022	21	-30 38 36.37	0.008	21	0.43	23.281	22	32.0	36.51	21	32.0	F5	C7	1575	C -31 1786		
10	10.4	10.1W	16 25.904	0.0004	23	-37 23 51.30	0.077	23	0.37	25.899	15	36.0	52.38	21	36.0	G0 L	C8	1514	C -37 1696		
11	9.2	8.9W	16 31.867	-0.0001	13	-38 18 4.67	-0.071	13	0.26	31.868	15	36.0	3.68	21	36.0	G	C8	1516	C -38 1519		
12	9.6	8.0W	16 32.228	-0.0015	09	-38 13 48.16	-0.013	09	0.22	32.248	15	36.0	47.98	21	36.0	G5	C8	1517	C -38 1520		
13	11.0	10.7W	16 33.703	0.0023	21	-30 52 10.82	0.011	21	0.43	33.661	22	32.0	11.01	21	32.0	G0 L	C7	1576	C -31 1789		
14	10.8	9.9W	16 36.883	0.0012	21	-30 36 38.45	-0.024	21	0.43	36.861	22	32.0	38.01	21	32.0	K0 L	C7	1577	C -30 1755		
15	10.2	9.6W	16 39.331	0.0016	13	-36 38 4.36	-0.020	13	0.26	39.309	15	36.0	4.08	21	36.0	G5	C8	1518	C -36 1667		
16	10.4	9.9W	16 39.545	-0.0037	21	-30 53 32.33	-0.045	21	0.43	39.611	22	32.0	31.51	21	32.0	G5 L	C7	1578	C -31 1790		
17	9.6	9.4W	16 40.050	0.0000	10	-39 0 48.06	0.066	10	0.23	40.049	15	36.0	48.98	21	36.0	F0	C8	1519	C -39 1430		
18	10.9	9.8W	16 51.206	0.0001	21	-34 23 49.04	-0.022	21	0.43	51.204	22	32.0	48.65	21	32.0	K0 L	C7	1579	C -34 1620		
19		7.9T	16 54.725	0.0006	15	-34 14 30.65	0.006	13	0.72	54.695	17	01.0	30.97	18	99.3	G0	GC	5222K	C*-34 1622		
20	9.6	9.3W	17 3.400	0.0058	18	-38 0 33.55	-0.005	18	0.31	3.318	15	36.0	33.48	21	36.0	F8	C8	1520	C -38 1522		
21	8.6	7.8W	17 7.580	0.0010	21	-31 26 52.39	0.046	21	0.43	7.561	22	32.0	53.21	21	32.0	G5	C7	1581	C -31 1794		
22		8.5R	17 9.821	-0.0031	18	-34 1 33.03	0.023	18	0.88	9.867	19	02.8	34.15	21	03.0		GC	5236K	C -34 1626		
23		6.5R	17 9.825	0.0009	16	-34 1 28.52	-0.004	13	0.74	9.781	15	01.5	28.33	18	98.8	A2	GC	5237K	C*-34 1626		
24	10.2	9.8W	17 17.053	-0.0022	21	-33 18 3.59	-0.003	21	0.43	17.093	22	32.0	3.54	21	32.0	G0	C7	1583	C -33 1671		
25	9.5	9.2W	17 23.518	0.0004	21	-31 41 47.72	-0.006	21	0.43	23.511	22	32.0	47.62	21	32.0	F5	C7	1584	C -31 1795		
26	10.1	9.0W	17 25.607	-0.0008	13	-37 40 58.05	-0.005	13	0.26	25.618	15	36.0	57.98	21	36.0	G5	C8	1521	C -37 1699		
27	10.2	9.8W	17 26.517	0.0005	13	-39 0 30.95	-0.041	13	0.26	26.509	15	36.0	30.38	21	36.0	F8	C8	1522	C -39 1435		
28	10.3	10.0W	17 32.439	-0.0036	21	-34 18 59.00	0.019	21	0.43	32.504	22	32.0	59.35	21	32.0	G0 L	C7	1585	C -34 1628		
29	10.7		17 33.349	-0.0050	18	-37 11 4.49	-0.008	18	0.31	33.418	15	36.0	4.38	21	36.0	F5	C8	1523	C -37 1700		
30	10.5	9.9W	17 35.296	0.0002	21	-33 10 29.89	-0.025	21	0.43	35.293	22	32.0	29.44	21	32.0	G5 L	C7	1586	C -33 1676		
31	11.6	11.0W	17 42.374	-0.0033	21	-32 52 2.29	-0.103	21	0.43	42.433	22	32.0	0.44	21	32.0		C7	1587	C -33 1677		
32	10.3	9.8W	17 56.608	0.0020	21	-30 31 24.57	0.047	21	0.43	56.571	22	32.0	25.41	21	32.0	G0	C7	1588	C -30 1773		
33	10.2	10.0W	17 58.441	-0.0011	23	-35 8 28.84	-0.004	23	0.37	58.457	15	36.0	28.78	21	36.0	G	C8	1525	C -35 1659		
34	10.3	9.9W	18 2.690	-0.0006	21	-32 1 24.54	-0.029	21	0.43	2.701	22	32.0	24.02	21	32.0	G0	C7	1589	C -32 1717		
35	9.7	8.7W	18 9.139	-0.0007	13	-36 45 31.59	-0.015	13	0.26	9.148	15	36.0	31.38	21	36.0	K0	C8	1526	C -36 1676		
36	10.6	9.8W	18 14.900	0.0029	13	-38 55 18.09	0.014	13	0.26	14.859	15	36.0	18.28	21	36.0	K0	C8	1527	C -39 1445		
37	9.9	9.6W	18 20.925	0.0007	21	-33 7 24.36	0.093	21	0.43	20.913	22	32.0	26.04	21	32.0	G0	C7	1590	C -33 1684		
38	9.9	9.8W	18 34.475	-0.0025	18	-38 32 39.83	-0.032	18	0.31	34.509	15	36.0	39.38	21	36.0	F8	C8	1529	C -38 1530		
39	10.1	9.3W	18 41.642	0.0024	13	-38 27 19.14	0.010	13	0.26	41.608	15	36.0	19.28	21	36.0	G0	C8	1530	C -38 1531		
40	9.5	9.4W	18 43.554	0.0027	13	-35 12 15.26	0.016	13	0.26	43.517	15	36.0	15.48	21	36.0	F5	C8	1531	C -35 1665		
41	10.9	10.4W	18 48.806	0.0018	21	-33 32 41.25	0.011	21	0.43	48.774	22	32.0	41.45	21	32.0	G2 L	C7	1591	C -33 1688		
42	10.7	9.6W	18 51.896	0.0001	21	-34 18 28.61	0.024	21	0.43	51.894	22	32.0	29.05	21	32.0	K2 L	C7	1592	C -34 1640		
43		8.0T	19 2.538	0.0002	16	-34 50 58.96	-0.081	13	0.72	2.529	15	02.6	54.98	18	00.8	A5	GC	5282	C*-35 1666		
44	9.2	8.2W	19 4.408	0.0014	21	-32 59 36.39	0.025	21	0.43	4.363	22	32.0	36.84	21	32.0	G5	C7	1594	C -33 1691		
45	10.9	10.6W	19 4.969	-0.0045	21	-30 16 16.36	-0.004	21	0.43	5.050	22	32.0	16.28	21	32.0	G0 L	C7	1595	C -30 1781		
46	9.3	9.1W	19 11.093	-0.0016	21	-31 18 43.15	-0.085	21	0.43	11.121	22	32.0	41.61	21	32.0	G0	C7	1596	C -31 1811		
47	10.6	10.5W	19 11.598	-0.0023	21	-30 13 38.95	0.052	21	0.43	11.640	22	32.0	39.88	21	32.0		C7	1597	C -30 1782		
48	8.9	8.1W	19 23.991	-0.0027	07	-37 39 7.91	-0.019	07	0.21	24.028	15	36.0	8.18	21	36.0	G5	C8	1532	C -37 1715		
49	10.0	9.2W	19 25.646	0.0001	21	-33 57 11.36	-0.062	21	0.43	25.644	22	32.0	10.25	21	32.0	G5	C7	1598	C -34 1643		
50	9.3	9.3W	19 29.143	0.0005	21	-34 2 24.43	0.029	21	0.43	29.134	22	32.0	24.95	21	32.0	A2	C7	1599	C -34 1644		
51	10.8	10.0W	4 19 38.731	0.0010	21	-33 6 6.64	0.039	21	0.43	38.713	22	32.0	7.34	21	32.0	K0 L	C7	1600	C -33 1696		
52	11.2	10.1W	19 39.780	-0.0028	21	-32 2 28.45	0.015	21	0.43	39.831	22	32.0	28.72	21	32.0	K0 L	C7	1601	C -32 1732		
53	10.6	9.8W	19 41.616	0.0008	21	-31 24 10.21	0.056	21	0.43	41.601	22	32.0	11.21	21	32.0	K0 L	C7	1602	C -31 1816		
54	10.3	9.8W	19 43.964	0.0008	21	-30 19 30.67	0.062	21	0.43	43.949	22	32.0	31.79	21	32.0	G0	C7	1603	C -30 1787		
55	9.8	9.1W	19 57.691	0.0011	21	-32 18 18.23	-0.001	21	0.43	57.672	22	32.0	18.22	21	32.0	G5	C7	1604	C -32 1738		
56		6.8T	19 59.032	-0.0021	26	-37 53 52.66	-0.036	22	1.05	59.121	22	07.6	51.09	22	06.6	G5	GC	5302	C*-38 1539		
57	9.7	10.1W	20 3.797	-0.0008	21	-32 1 9.24	-0.018	21	0.43	3.812	22	32.0	8.92	21	32.0	A0	C7	1605	C -32 1739		
58		8.5T	20 11.022	0.0026	13	-35 0 50.25	0.033	11	0.65	10.898	19	01.6	51.97	18	97.5	F8	GC	5309	C -35 1677		
59	10.7	10.1W	20 11.288	0.0048	21	-30 42 37.54	0.021	21	0.43	11.201	22	32.0	37.91	21	32.0	G5 L	C7	1606	C -30 1790		
60	10.8	9.4W	20 37.486	-0.0014	21	-32 12 3.60	-0.038	21	0.43	37.512	22	32.0	2.92	21	32.0		C7	1607	C -32 1747		
61	10.2	9.6W	20 38.307	0.0009	21	-32 10 35.63	-0.023	21	0.43	38.291	22	32.0	35.22	21	32.0	K0	C7	1608	C -32 1748		
62	10.4	9.1W	20 39.485	0.0013	21	-31 11 6.14	0.021	21	0.43	39.461	22	32.0	6.51	21	32.0	K0	C7	1609	C -31 1823		
63	10.7	10.1W	20 53.150	-0.0118	21	-33 14 2.98	-0.330	21	0.43	53.363	22	32.0	-57.04	21	32.0	K2 L	C7	1610	C -33 1704		
64	10.6	9.8W	21 0.912	0.0001	21	-30 15 37.98	0.023	21	0.43	0.910	22	32.0	38.39	21	32.0	G5	C7	1611	C -30 1797		
65	9.5	8.6W	21 2.391	-0.0026	13	-35 54 20.32	-0.060	13	0.26	2.428	15	36.0	19.48	21	36.0	G5	C8	1536	C -36 1695		
66	9.1	9.0W	21 3.066	0.0006	21	-34 56 35.39	-0.035	21	0.43	3.074	22	32.0	34.76	21	32.0	F2	C7	1612	C -35 1682		
67	10.1	9.9W	21 7.600	-0.0006	18	-37 22 41.13	-0.054	18	0.31	7.609	15	36.0	40.38	21	36.0	G0	C8	1537	C -37 1724		
68	8.6	7.9W	21 13.747	0.0063	10	-36 36 22.11	-0.031	10	0.23	13.658	15	36.0	21.68	21	36.0	G5	C8	1539	C -36 1698		
69	9.5	8.5W	21 13.797	0.0035	13	-35 34 33.80	0.027	13	0.26	13.748	15	36.0	34.18	21	36.0	G5	C8	1540	C -35 1686		
70	10.5	9.7W	21 15.765	0.0002	21	-32 19 14.30	-0.077	21	0.43	15.762	22	32.0	12.92	21	32.0	G5 L	C7	1613	C -32 1754		
71		6.4T	21 17.530	-0.0010	06	-35 39 37.25	0.002	04	0.22	17.567	09	10.9	37.33	09	08.0	G5	GC	5331K	C -35 1687		
72		7.0T	21 22.506	0.0001	16	-32 16 2.69	-0.027	12	0.72	22.502	17	01.6	1.32	18	98.3	A2	GC	5334	C -32 1758		
73	8.5	8.2W	21 25.181	0.0031	10	-36 26 55.07	0.058	10	0.23	25.137	15	36.0	55.86	21	36.0	F8	C8	1542	C -36 1703		
74	10.5	9.6W	21 33.600	0.0065	18	-38 47 29.90	0.020	18	0.31	33.509	15	36.0	30.18	21	36.0	G0	C8	1543	C -38 1553		
75	10.0	10.3W	21 42.407	0.0035	21	-33 34 51.59	0.031	21	0.43	42.344	22	32.0	52.15	21	32.0	A	C7	1615	C -33 1713		
76	10.0	9.8W	21 44.072	0.0015	08	-39 55 31.06	0.037	08	0.22	44.050	15	36.0	31.58	21	36.0	F8	C8	1544	C -40 1364		
77	10.4	9.4W	21 50.478	0.0020	13	-38 58 48.36	0.044	13	0.26	50.449	15	36.0	48.98	21	36.0	G0	C8	1546	C -39 1474		
78	10.5	9.8W	21 52.011	-0.0011	23	-35 3 51.90	-0.037	23	0.37	52.027	15	36.0	51.38	21	36.0	K0 L	C8	1547	C -35 1689		
79	8.5	8.5W	21 58.914	0.0003	13	-39 15 16.01	0.005	13	0.26	58.909	15	36.0	16.08	21	36.0	A2	C8	1548	C -39 1475		
80	8.2	8.2W	22 1.334	-0.0039	06	-36 35 11.35	-0.062	06	0.20	1.389	15	36.0	10.48	21	36.0	A5	C8	1550	C -36 1706		
81	9.4	9.3W	22 1.779	0.0058	21	-34 31 1.60	0.164	21	0.43	1.674	22	32.0	4.55	21	32.0	G0	C7	1616	C -34 1661		
82		8.5T	22 2.399	-0.0026	20	-34 51 58.25	-0.333	14	0.83	2.519	18	04.1	41.98	19	01.1	G0	GC	5346	C -35 1692		
83	10.1	9.4W	22 7.526	-0.0014	21	-32 11 38.14	-0.029	21	0.43	7.551	22	32.0	37.62	21	32.0	G5	C7	1618	C -32 1764		
84		4.1M	22 9.409	0.0050	02	-34 7 54.81	0.051	02	0.08	9.221	04	12.0	56.72	04	12.6	K5	F4	1121	C -34 1664		
85	10.3	9.1W	22 9.875	0.0024	21	-30 57 42.08	0.013	21	0.43	9.831	22	32.0	42.31	21	32.0	K2	C7	1620	C -31 1837		
86	9.1	9.0W	22 14.715	-0.0020	21	-32 7 52.29	-0.015	21	0.43	14.752	22	32.0	52.02	21	32.0	F5	C7	1621	C -32 1766		
87	9.4	9.3W	22 15.927	-0.0002	21	-32 13 10.88	-0.009	21	0.43	15.932	22	32.0	10.72	21	32.0	G0	C7	1622	C -32 1767		
88	9.8	9.7W	22 28.222	0.0034	21	-32 9 0.44	-0.007	21	0.43	28.162	22	32.0	0.32	21	32.0	F5	C7	1623	C -32 1768		
89	9.5	8.2W	22 33.275	0.0006	13	-35 23 39.43	0.032	13	0.26	33.267	15	36.0	39.88	21	36.0	K0	C8	1553	C -35 1699		
90	9.7	9.6W	22 44.658	-0.0007	21	-31 36 59.43	0.016	21	0.43	44.672	22	32.0	59.72	21	32.0	A0	C7	1624	C -31 1842		
91	9.5	8.6W	22 52.313	0.0032	09	-37 43 30.24	0.053	09	0.22	52.268	15	36.0	30.98	21	36.0	G5	C8	1554	C -37 1740		
92	9.6	9.4W	22 55.416	0.0027	13	-36 56 0.17	-0.028	13	0.26	55.379	15	36.0	-59.78	21	36.0	F5	C8	1555	C -37 1741		
93	9.0	8.7W	22 56.928	0.0000	11	-35 53 58.49	-0.036	11	0.24	56.928	15	36.0	57.98	21	36.0	F5	C8	1556	C -36 1710		
94	10.5	9.2W	22 58.500	-0.0019	08	-35 24 13.60	0.027	08	0.22	58.527	15	36.0	13.98	21	36.0	K	C8	1557	C -35 1702		
95	9.9	9.7W	23 1.336	0.0012	13	-36 35 8.06	-0.006	13	0.26	1.319	15	36.0	7.98	21	36.0	F5	C8	1558	C -36 1711		
96		6.5T	23 5.189	-0.0015	06	-34 52 9.90	-0.108	05	0.28	5.257	12	05.4	4.68	12	01.6	F5	GC	5361K	C -35 1704		
97	9.4	8.7W	23 6.605	-0.0010	09	-38 26 53.19	0.071	09	0.22	6.618	15	36.0	54.18	21	36.0	G0	C8	1561	C -38 1565		
98	9.5	8.5W	23 12.460	-0.0046	21	-32 50 19.24	-0.139	21	0.43	12.543	22	32.0	16.74	21	32.0	G5	C7	1626	C -33 1720		
99	10.7		23 29.116	0.0034	23	-36 43 45.08	-0.121	23	0.37	29.068	15	36.0	43.38	21	36.0	F8 L	C8	1563	C -36 1715		
00	10.2	10.1W	23 31.476	-0.0020	21	-30 42 46.97	-0.003	21	0.43	31.511	22	32.0	46.91	21	32.0	F2 L	C7	1627	C -30 1812		

195000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 4H DM NUMBER
1		7.8T	4 23 33.757	0.0046	11	-35 47 15.22	-0.077	09	0.55	33.524	17	99.8	11.09	17	96.5	G0	GC	5377	C -35 1710
2	9.8	9.5W	23 38.237	0.0023	08	-34 58 33.47	-0.000	08	0.22	38.205	15	36.0	33.47	21	36.0	G0	C8	1565	C -35 1711
3	9.7	8.3W	23 40.437	-0.0032	21	-34 57 29.74	-0.005	21	0.43	40.494	22	32.0	29.65	21	32.0	K5	C7	1628	C -35 1713
4	10.4	9.2W	23 55.767	0.0009	21	-32 23 52.62	-0.017	21	0.43	55.752	22	32.0	52.32	21	32.0	K5 L	C7	1629	C -32 1778
5	9.5	8.6W	23 56.853	-0.0011	21	-33 4 7.11	0.018	21	0.43	56.873	22	32.0	7.44	21	32.0	K0	C7	1630	C -33 1723
6	11.0	10.9W	23 57.386	-0.0021	21	-33 51 45.84	0.067	21	0.43	57.424	22	32.0	47.05	21	32.0	F5 L	C7	1631	C -34 1684
7		8.5T	23 57.497	-0.0000	15	-39 56 55.55	0.021	12	0.72	57.498	15	00.3	56.64	15	97.5	MB	GC	5384	C -40 1386
8	11.4	10.1W	24 2.723	-0.0029	21	-34 55 24.15	-0.022	21	0.43	2.774	22	32.0	23.75	21	32.0		C7	1632	C -35 1716
9	9.8	9.8W	24 10.893	0.0063	21	-30 3 25.19	-0.006	21	0.43	10.780	22	32.0	25.08	21	32.0		C7	1633	C -30 1817
10		8.2T	24 13.929	0.0001	17	-30 26 36.60	0.005	13	0.78	13.922	21	02.4	36.87	19	98.7	K0	GC	5394	C -30 1820
11	10.7	9.5W	24 14.571	0.0005	21	-31 0 42.16	0.014	21	0.43	14.561	22	32.0	42.41	21	32.0	K2	C7	1635	C -31 1853
12	10.1	10.0W	24 15.716	-0.0024	18	-38 46 7.06	-0.020	18	0.31	15.749	15	36.0	6.78	21	36.0	G	C8	1569	C -38 1570
13	10.4	9.1W	24 16.785	0.0006	13	-35 9 6.18	0.014	13	0.26	16.777	15	36.0	6.38	21	36.0	K0	C8	1570	C -35 1720
14	9.7	9.3W	24 20.171	0.0042	21	-34 48 54.10	0.025	21	0.43	20.095	22	32.0	54.56	21	32.0	G0	C7	1636	C -34 1688
15	9.8	9.5W	24 25.023	0.0005	21	-34 15 17.54	0.039	21	0.43	25.014	22	32.0	18.25	21	32.0	G0	C7	1637	C -34 1689
16	10.1	9.9W	24 25.515	0.0013	21	-30 54 21.49	0.029	21	0.43	25.491	22	32.0	22.01	21	32.0	A3	C7	1638	C -31 1854
17	10.1	10.1W	24 27.134	-0.0067	21	-34 15 47.19	-0.097	21	0.43	27.254	22	32.0	45.45	21	32.0	A8 L	C7	1639	C -34 1690
18	10.8		24 31.446	-0.0016	18	-37 14 47.65	0.009	18	0.31	31.468	15	36.0	47.78	21	36.0	F5 L	C8	1572	C -37 1752
19		6.7T	24 36.198	0.0032	14	-32 55 40.78	0.002	12	0.71	36.038	18	99.8	40.91	18	98.0	F0	GC	5402	C*-33 1728
20	10.6	9.7W	24 36.922	-0.0006	21	-33 29 40.09	-0.036	21	0.43	36.933	22	32.0	39.44	21	32.0	K0 L	C7	1641	C -33 1729
21		9.0T	24 37.673	0.0029	15	-38 41 50.33	0.049	11	0.71	37.531	22	01.1	52.96	19	96.2	G0	GC	5403	C -38 1578
22	10.0	8.9W	24 38.422	-0.0033	21	-31 0 15.50	-0.027	21	0.43	38.488	22	32.0	15.01	21	32.0	K0	C7	1642	C -31 1855
23	9.6	8.5W	24 50.618	0.0010	21	-30 6 42.58	-0.011	21	0.43	50.599	22	32.0	42.38	21	32.0	K0	C7	1643	C -30 1827
24	10.3	9.5W	25 14.247	0.0007	18	-35 30 27.01	0.048	18	0.31	14.238	15	36.0	27.68	21	36.0	K0	C8	1577	C -35 1729
25	10.4	9.9W	25 14.302	-0.0033	13	-36 36 55.90	-0.052	13	0.26	14.348	15	36.0	55.18	21	36.0	F8	C8	1578	C -36 1732
26	9.0	8.9W	25 20.591	-0.0012	21	-31 8 13.71	-0.017	21	0.42	20.611	22	32.5	13.41	21	32.5	F0	C7	1644	C -31 1863
27	9.7	8.4W	25 22.428	0.0009	21	-32 53 2.51	-0.050	21	0.42	22.413	22	32.5	1.64	21	32.5	K0	C7	1645	C -33 1733
28	9.6	9.5W	25 23.268	-0.0029	14	-37 42 47.94	-0.004	14	0.27	23.308	15	36.0	47.88	21	36.0	F8	C8	1579	C -37 1760
29	10.2	10.0W	25 25.858	-0.0014	21	-32 53 34.11	0.036	21	0.42	25.883	22	32.5	34.74	21	32.5	F8 L	C7	1646	C -33 1734
30	9.6	8.6W	25 27.604	0.0008	21	-30 4 16.09	0.011	21	0.42	27.589	22	32.5	16.28	21	32.5	K0	C7	1647	C -30 1832
31	10.3	10.4W	25 29.488	-0.0026	21	-33 55 56.48	0.010	21	0.42	29.534	22	32.5	56.65	21	32.5	F2 L	C7	1648	C -34 1695
32	9.9	8.8W	25 41.713	-0.0011	18	-36 52 56.46	-0.013	18	0.31	41.729	15	36.0	56.28	21	36.0	K0	C8	1580	C -37 1761
33	9.4	8.6W	25 45.473	-0.0017	21	-33 16 18.34	0.034	21	0.42	45.503	22	32.5	18.94	21	32.5	K0	C7	1649	C -33 1738
34		6.9T	25 45.850	0.0029	13	-32 31 8.91	0.013	12	0.65	45.706	15	00.0	9.60	18	98.3	F5	GC	5434	C*-32 1797
35	10.2	10.0W	25 49.620	-0.0028	13	-39 21 57.91	-0.124	13	0.26	49.659	15	36.0	56.18	21	36.0	G	C8	1581	C -39 1490
36	9.9	9.9W	25 54.666	-0.0033	21	-33 36 24.26	-0.069	21	0.42	54.724	22	32.5	23.05	21	32.5	F8	C7	1651	C -33 1740
37	9.5	9.1W	25 57.100	0.0022	21	-30 51 17.83	0.062	21	0.42	57.061	22	32.5	18.91	21	32.5	G0	C7	1652	C -31 1867
38	10.6	9.9W	26 1.222	0.0038	13	-36 45 29.51	-0.002	13	0.26	1.169	15	36.0	29.48	21	36.0	K0 L	C8	1582	C -36 1737
39	10.1	9.7W	26 1.597	-0.0032	21	-32 57 18.66	-0.007	21	0.42	1.653	22	32.5	18.54	21	32.5	F8	C7	1653	C -33 1742
40	9.5	9.2W	26 3.202	-0.0005	21	-32 20 10.36	-0.054	21	0.42	3.211	22	32.5	9.42	21	32.5	F0	C7	1654	C -32 1803
41	10.9	10.5W	26 7.428	0.0022	18	-36 9 36.68	-0.014	18	0.31	7.397	15	36.0	36.48	21	36.0	K0 L	C8	1583	C -36 1738
42	9.8	9.7W	26 9.895	-0.0034	21	-33 31 30.76	0.011	21	0.42	9.954	22	32.5	30.95	21	32.5	G0	C7	1655	C -33 1746
43	9.3	8.9W	26 22.004	0.0045	09	-39 32 8.87	0.022	09	0.22	21.940	15	36.0	9.18	21	36.0	F8	C8	1584	C -39 1494
44	8.6	8.4W	26 25.965	0.0008	21	-31 33 54.92	-0.069	21	0.42	25.951	22	32.5	53.72	21	32.5	F5	C7	1656	C -31 1869
45	9.5	9.3W	26 28.222	0.0024	13	-37 46 27.35	-0.009	13	0.26	28.188	15	36.0	27.18	21	36.0	F8	C8	1585	C -37 1768
46		8.0T	26 30.877	-0.0027	16	-38 55 38.78	-0.011	13	0.74	31.007	18	01.8	38.21	18	98.9	G5	GC	5450	C -39 1495
47	9.7	9.6W	26 35.263	0.0025	21	-30 21 21.01	0.027	21	0.42	35.220	22	32.5	21.49	21	32.5	A2	C7	1657	C -30 1841
48	10.6	10.3W	26 36.551	-0.0070	21	-34 22 53.28	-0.099	21	0.42	36.674	22	32.5	51.55	21	32.5	G5 L	C7	1658	C -34 1706
49	9.7	9.8W	26 37.151	0.0016	09	-37 50 8.64	-0.004	09	0.22	37.128	15	36.0	8.58	21	36.0	A0	C8	1587	C -38 1593
50	10.8	9.7W	26 38.187	0.0009	21	-30 34 55.91	0.012	21	0.42	38.171	22	32.5	56.11	21	32.5	K2 L	C7	1659	C -30 1844
51	10.5	10.4W	4 26 40.019	-0.0007	21	-30 46 9.83	-0.092	21	0.42	40.031	22	32.5	8.21	21	32.5	G0 L	C7	1660	C -30 1845
52		8.0T	26 41.276	0.0033	15	-37 43 15.40	-0.131	11	0.69	41.118	22	02.2	8.47	21	97.2	G5	GC	5456	C -37 1772
53		7.6T	26 41.989	0.0011	13	-32 34 29.54	0.044	12	0.66	41.934	18	99.5	31.85	18	97.8	F2	GC	5457	C -32 1812
54	10.2	10.1W	26 45.649	-0.0035	18	-38 24 50.87	0.015	18	0.31	45.698	15	36.0	51.08	21	36.0	G0	C8	1589	C -38 1594
55	9.9	9.4W	26 48.669	-0.0020	21	-33 31 45.48	-0.019	21	0.42	48.704	22	32.5	45.15	21	32.5	G5	C7	1662	C -33 1750
56	10.4	9.2W	26 53.287	0.0049	08	-37 51 2.34	-0.004	08	0.22	53.218	15	36.0	2.28	21	36.0	K0	C8	1590	C -38 1595
57	10.6	9.8W	27 7.074	0.0011	13	-38 19 7.39	0.085	13	0.26	7.058	15	36.0	8.58	21	36.0	K0 L	C8	1591	C -38 1596
58	9.4	9.3W	27 14.969	-0.0028	13	-38 15 8.03	-0.032	13	0.26	15.008	15	36.0	7.58	21	36.0	F5	C8	1592	C -38 1597
59	9.2	9.4W	27 16.776	-0.0014	21	-32 14 27.91	0.012	21	0.42	16.801	22	32.5	28.12	21	32.5	A0	C7	1663	C -32 1818
60	10.4	9.6W	27 30.113	-0.0016	21	-32 27 48.87	0.014	21	0.42	30.141	22	32.5	49.12	21	32.5	K0 L	C7	1664	C -32 1822
61	10.0	10.0W	27 31.924	-0.0017	21	-33 41 4.34	0.006	21	0.42	31.954	22	32.5	4.45	21	32.5	F0 L	C7	1665	C*-33 1755
62		8.2T	27 33.830	-0.0025	15	-38 47 28.84	-0.043	11	0.70	33.951	22	01.6	26.53	19	96.4	G5	GC	5475	C -38 1599
63	9.4	9.2W	27 37.486	-0.0022	13	-35 23 43.25	0.052	13	0.26	37.517	15	36.0	43.98	21	36.0	G0	C8	1594	C -35 1753
64	9.6	9.6W	27 44.180	0.0037	13	-36 40 12.99	-0.022	13	0.26	44.129	15	36.0	12.68	21	36.0	F5	C8	1595	C -36 1749
65	10.2	9.8W	27 51.052	-0.0070	21	-34 31 27.19	-0.025	21	0.42	51.174	22	32.5	26.76	21	32.5	G2F L	C7	1666	C -34 1718
66	10.8	9.8W	27 52.186	0.0006	13	-36 24 39.62	-0.003	13	0.26	52.177	15	36.0	39.58	21	36.0	K1 L	C8	1596	C -36 1750
67		7.3T	27 54.139	-0.0006	13	-39 11 54.61	-0.031	11	0.49	54.162	17	12.5	53.38	17	10.5	A3	GC	5486	C -39 1504
68	10.0	8.6W	28 4.725	0.0018	21	-33 39 10.55	-0.006	21	0.42	4.694	22	32.5	10.45	21	32.5	K5	C7	1667	C -33 1758
69	9.2	8.2W	28 5.391	0.0029	09	-39 31 27.79	-0.015	09	0.22	5.350	15	36.0	27.58	21	36.0	G5	C8	1598	C -39 1506
70	10.2	8.9W	28 5.730	0.0012	21	-30 22 34.00	0.005	21	0.42	5.709	22	32.5	34.09	21	32.5	K2	C7	1668	C -30 1853
71	9.5	9.2W	28 7.688	-0.0041	21	-30 4 11.09	0.057	21	0.42	7.759	22	32.5	12.09	21	32.5	A5	C7	1669	C -30 1855
72	10.5	9.7W	28 11.628	-0.0019	21	-30 48 26.97	0.031	21	0.42	11.661	22	32.5	27.51	21	32.5	K0 L	C7	1670	C -30 1856
73	10.0	10.3W	28 13.668	-0.0008	18	-37 7 49.54	0.060	18	0.31	13.679	15	36.0	50.38	21	36.0	A0	C8	1599	C -37 1781
74	10.4	9.6W	28 22.606	-0.0027	21	-32 56 5.79	0.003	21	0.42	22.653	22	32.5	5.84	21	32.5	K0 L	C7	1671	C -33 1761
75	10.3	9.5W	28 23.092	0.0005	21	-33 9 47.65	-0.029	21	0.42	23.083	22	32.5	47.14	21	32.5	K0 L	C7	1672	C -33 1762
76		7.2T	28 24.954	0.0015	10	-30 33 6.21	0.007	07	0.49	24.875	17	96.4	6.62	15	89.6	A0	GC	5501	C -30 1857
77	9.9	9.5W	28 25.308	0.0028	18	-38 8 15.01	0.091	18	0.31	25.268	15	36.0	16.28	21	36.0	G5	C8	1600	C -38 1605
78	10.4	10.2W	28 27.202	-0.0010	21	-30 20 5.82	-0.025	21	0.42	27.220	22	32.5	5.39	21	32.5	G0 L	C7	1674	C -30 1858
79	10.2	8.9W	28 29.429	-0.0021	13	-37 7 9.87	-0.035	13	0.26	29.459	15	36.0	9.38	21	36.0	K2	C8	1601	C -37 1782
80	11.1	10.0W	28 29.667	-0.0061	21	-33 59 50.75	0.040	21	0.42	29.774	22	32.5	51.45	21	32.5		C7	1675	C -34 1723
81		7.2T	28 29.901	0.0042	16	-39 5 49.39	0.064	12	0.74	29.697	18	01.4	52.77	19	97.0	K0	GC	5504	C*-39 1509
82	10.2	10.0W	28 30.603	-0.0004	21	-30 17 11.42	0.004	21	0.42	30.610	22	32.5	11.49	21	32.5	F8 L	C7	1676	C -30 1859
83		7.2T	28 33.194	-0.0010	16	-38 22 54.33	-0.003	13	0.76	33.242	22	02.2	54.17	21	98.3	G5	GC	5505	C -38 1606
84	9.6	8.9W	28 35.734	0.0002	21	-32 26 19.50	-0.005	21	0.42	35.732	22	32.5	19.42	21	32.5	K0	C7	1677	C -32 1830
85		5.9T	28 50.950	-0.0002	07	-35 45 38.85	0.036	05	0.30	50.957	14	06.7	40.62	12	00.6	K0	GC	5512K	C -35 1768
86	9.7	9.4W	28 52.761	-0.0005	07	-36 50 26.78	-0.086	07	0.21	52.768	15	36.0	25.58	21	36.0	G0	C8	1605	C -37 1786
87	10.1	10.3W	28 57.089	-0.0034	13	-35 3 41.91	-0.002	13	0.26	57.137	15	36.0	41.88	21	36.0	F5 L	C8	1606	C -35 1769
88	10.4	10.1W	29 5.817	0.0053	21	-34 21 1.33	-0.056	21	0.42	5.724	22	32.5	0.35	21	32.5	G5 L	C7	1678	C -34 1727
89		7.2T	29 6.264	0.0022	15	-36 58 59.06	-0.019	11	0.68	6.160	21	02.9	58.07	21	97.8	K0	GC	5519	C -37 1788
90	9.6	9.2W	29 15.748	0.0106	06	-39 17 13.34	0.081	06	0.20	15.599	15	36.0	14.48	21	36.0	G0	C8	1608	C -39 1516
91	9.7	8.2W	29 16.724	-0.0017	13	-36 20 59.37	0.001	13	0.26	16.748	15	36.0	59.38	21	36.0	MA	C8	1609	C -36 1755
92		8.8T	29 17.648	0.0034	24	-38 51 13.12	-0.004	15	0.89	17.506	22	08.2	12.93	21	04.1	K0	GC	5525	C -39 1517
93	9.6	9.2W	29 21.461	0.0022	05	-39 58 5.42	-0.053	05	0.19	21.430	15	36.0	4.68	21	36.0	G0	C8	1611	C -40 1433
94	9.4	8.5W	29 24.918	0.0035	09	-37 41 12.66	0.051	09	0.22	24.868	15	36.0	13.38	21	36.0	G5	C8	1612	C -37 1791
95		7.2T	29 26.003	0.0006	16	-35 52 48.04	0.002	12	0.68	25.973	15	03.9	48.13	15	02.8	K0	GC	5533K	C*-36 1756
96	10.9	10.4W	29 32.062	-0.0016	21	-30 25 32.90	0.045	21	0.42	32.089	22	32.5	33.69	21	32.5	G0 L	C7	1679	C -30 1867
97	9.8	9.7W	29 32.304	-0.0028	21	-33 0 52.27	-0.019	21	0.42	32.353	22	32.5	51.94	21	32.5	A	C7	1680	C -33 1777
98	8.6	8.3W	29 35.093	0.0024	21	-31 47 58.59	0.007	21	0.42	35.052	22	32.5	58.72	21	32.5	F2	C7	1681	C -31 1890
99	7.9	7.8W	29 36.489	-0.0008	21	-32 37 28.78	-0.008	21	0.42	36.503	22	32.5	28.64	21	32.5	F0	C7	1682	C -32 1837
00	10.7	10.3W	29 38.885	0.0002	21	-31 3 32.53	0.028	21	0.42	38.881	22	32.5	33.01	21	32.5	G5 L	C7	1683	C -31 1891

195100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ s/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 4H DM NUMBER
1	10.0	9.4W	4 29 38.927	-0.0009	21	-32 30 32.65	0.011	21	0.42	38.943	22	32.5	32.84	21	32.5	KO	C7	1684	C -32 1838
2	10.4	9.6W	29 39.578	0.0022	21	-30 27 18.90	-0.035	21	0.42	39.540	22	32.5	18.29	21	32.5	KO L	C7	1685	C -30 1870
3	7.7	7.6W	29 40.320	-0.0035	21	-31 37 25.74	-0.127	21	0.42	40.382	22	32.5	23.52	21	32.5	F2	C7	1686	C -31 1893
4	9.8	9.4W	29 45.464	0.0023	21	-33 53 9.47	0.073	21	0.42	45.424	22	32.5	10.75	21	32.5	GO	C7	1687	C -34 1731
5	8.0	7.9W	29 45.587	0.0035	13	-36 0 43.50	0.027	13	0.26	45.538	15	36.0	43.88	21	36.0	FO	C8	1615	C -36 1769
6	10.1	9.9W	29 51.023	0.0010	18	-38 24 55.11	0.026	18	0.31	51.008	15	36.0	55.48	21	36.0	GO	C8	1616	C -38 1615
7	9.5	9.3W	29 53.592	-0.0023	21	-31 1 17.74	-0.001	21	0.42	53.631	22	32.5	17.71	21	32.5	GO	C7	1688	C -31 1895
8	7.8	8.1W	30 7.618	-0.0013	21	-34 0 14.12	-0.004	21	0.42	7.641	22	32.5	14.05	21	32.5	B9	C7	1689	C -34 1736
9	10.1	10.2W	30 17.271	0.0016	09	-38 4 20.98	0.012	09	0.22	17.248	15	36.0	21.15	21	36.0	GO	C8	1617	C -38 1619
10	10.3	10.2W	30 21.022	-0.0021	21	-31 29 15.90	0.012	21	0.42	21.058	22	32.5	16.11	21	32.5	GO L	C7	1690	C -31 1899
11	9.7	8.8W	30 21.123	0.0038	21	-30 12 45.92	-0.025	21	0.42	21.057	22	32.5	45.49	21	32.5	K2	C7	1691	C -30 1875
12	10.8		30 37.503	-0.0017	18	-35 6 37.28	0.027	18	0.31	37.527	15	36.0	37.65	21	36.0	F2 L	C8	1618	C -35 1789
13	9.6	9.4W	30 37.736	0.0035	13	-36 26 48.07	-0.037	13	0.26	37.688	15	36.0	47.55	21	36.0	GO	C8	1619	C -36 1765
14	7.9	8.2W	31 3.648	0.0005	21	-33 12 7.80	0.071	21	0.42	3.640	22	32.5	9.04	21	32.5	B9	C7	1692	C -33 1787
15	9.3	9.2W	31 7.482	-0.0004	21	-31 13 46.49	-0.044	21	0.42	7.488	22	32.5	45.71	21	32.5	FO	C7	1693	C -31 1906
16		8.3T	31 8.041	0.0019	15	-35 48 18.64	-0.041	11	0.67	7.952	17	01.8	16.56	18	99.6	G5	GC	5563	C -35 1791
17	11.0	9.7W	31 11.955	-0.0013	21	-31 47 58.86	-0.008	21	0.42	11.978	22	32.5	58.72	21	32.5	K2 L	C7	1694	C -31 1908
18		7.6W	31 16.605	0.0005	13	-38 23 16.69	0.018	11	0.64	16.580	18	01.3	17.64	19	96.3	A2	GC	5567	C*-38 1628
19	10.8	9.9W	31 18.574	0.0026	18	-36 10 40.33	0.023	18	0.31	18.538	15	36.0	40.65	21	36.0	G8 L	C8	1622	C -36 1770
20	9.0	9.1W	31 19.865	-0.0007	21	-32 9 44.41	0.006	21	0.42	19.878	22	32.5	44.52	21	32.5	FO	C7	1695	C -32 1857
21	9.5	8.7W	31 22.340	-0.0035	07	-37 3 2.46	0.028	07	0.21	22.389	15	36.0	2.85	21	36.0	KO	C8	1623	C -37 1799
22	7.9	7.8W	31 27.106	0.0061	13	-39 35 26.81	0.003	13	0.26	27.020	15	36.0	26.85	21	36.0	F2	C8	1625	C -39 1539
23	10.1	9.9W	31 29.054	0.0015	21	-32 14 4.38	-0.004	21	0.42	29.028	22	32.5	4.32	21	32.5	F8 L	C7	1696	C -32 1859
24	10.1	9.8W	31 32.492	-0.0019	18	-37 56 20.00	0.054	18	0.31	32.518	15	36.0	20.75	21	36.0	G5	C8	1626	C -38 1630
25	10.6	10.0W	31 37.539	-0.0001	21	-33 35 24.94	-0.005	21	0.42	37.541	22	32.5	24.85	21	32.5	G5 L	C7	1697	C -33 1797
26	10.0	10.3W	31 49.341	-0.0034	21	-33 45 37.61	-0.021	21	0.42	49.401	22	32.5	37.25	21	32.5	A	C7	1698	C -33 1850
27	10.4	10.0W	31 55.064	-0.0059	21	-32 2 31.98	-0.032	21	0.42	55.169	22	32.5	31.42	21	32.5	G5 L	C7	1699	C -32 1863
28	11.2	10.1W	32 0.877	-0.0037	21	-34 56 30.87	0.045	21	0.42	0.942	22	32.5	31.66	21	32.5		C7	1700	C -35 1793
29	8.2	8.2W	32 10.154	-0.0014	21	-30 40 36.98	-0.055	21	0.42	10.178	22	32.5	36.01	21	32.5	FO	C7	1701	C -30 1891
30	9.4	9.6W	32 15.244	-0.0010	21	-34 56 44.04	-0.005	21	0.42	15.262	22	32.5	43.96	21	32.5	A2	C7	1702	C -35 1795
31	10.5	9.6W	32 36.933	-0.0019	18	-38 45 23.56	0.014	18	0.31	36.959	15	36.0	23.75	21	36.0	KO	C8	1628	C -38 1638
32	9.7	9.0W	32 42.113	0.0060	21	-31 29 25.46	0.026	21	0.42	42.008	22	32.5	25.91	21	32.5	G5	C7	1703	C -31 1918
33		7.3T	32 44.446	-0.0000	16	-33 44 57.31	0.023	12	0.69	44.448	15	03.8	58.43	17	01.8	G5	GC	5590	C -33 1806
34	10.0	10.0W	32 47.438	-0.0051	15	-39 21 0.51	0.010	15	0.28	47.509	15	36.0	0.65	21	36.0	F5	C8	1630	C -39 1551
35		7.6T	32 49.887	-0.0064	09	-35 45 26.18	-0.225	08	0.41	50.160	14	07.7	16.38	14	06.5	G5	GC	5593	C -35 1797
36	10.7	10.8W	32 50.973	0.0031	21	-31 9 33.52	0.034	21	0.42	50.918	22	32.5	34.11	21	32.5	F2 L	C7	1705	C -31 1919
37	9.7	9.5W	32 51.030	-0.0017	21	-33 14 41.78	0.009	21	0.42	51.060	22	32.5	41.94	21	32.5	F8	C7	1706	C -33 1809
38		7.2T	32 53.384	-0.0005	17	-34 55 15.84	-0.032	13	0.77	53.407	19	02.2	14.22	19	99.0	KO	GC	5598	C -35 1798
39	10.3	9.5W	33 3.518	0.0020	13	-39 25 25.40	-0.046	13	0.26	3.489	15	36.0	24.75	21	36.0	KO	C8	1632	C -39 1553
40	8.8	7.9W	33 4.036	0.0021	21	-33 26 51.85	0.051	21	0.42	4.000	22	32.5	52.74	21	32.5	G5	C7	1708	C -33 1810
41		7.1T	33 5.868	-0.0006	12	-35 40 43.52	-0.006	11	0.65	5.901	17	99.2	43.17	18	95.2	G5	GC	5606	C -35 1801
42	9.7	10.0W	33 6.698	0.0036	13	-35 51 36.18	-0.045	13	0.26	6.647	15	36.0	35.55	21	36.0	A0	C8	1634	C -36 1787
43	9.9	9.5W	33 7.644	-0.0003	18	-37 30 38.65	0.007	18	0.31	7.648	15	36.0	38.75	21	36.0	F8	C8	1635	C -37 1820
44	10.9	9.7W	33 10.259	0.0006	21	-30 53 7.66	-0.014	21	0.42	10.248	22	32.5	7.41	21	32.5	K5 L	C7	1709	C -31 1920
45	9.7	8.8W	33 10.589	-0.0049	08	-36 3 2.48	-0.052	08	0.22	10.657	15	36.0	1.75	21	36.0	KO	C8	1636	C -36 1788
46	10.8	10.3W	33 26.041	-0.0045	21	-32 52 7.95	0.028	21	0.42	26.120	22	32.5	8.44	21	32.5	KO L	C7	1710	C -33 1814
47	10.5	10.5W	33 34.593	-0.0047	18	-36 56 8.31	0.003	18	0.31	34.659	15	36.0	8.35	21	36.0	F5 L	C8	1638	C -37 1823
48		3.9H	33 36.315	-0.0037	02	-30 39 48.98	-0.012	02	0.09	36.455	05	12.2	48.55	05	15.2	KO	F4	170	C -30 1901
49	10.7	10.6W	33 40.112	-0.0055	21	-30 49 34.82	0.011	21	0.42	40.208	22	32.5	35.01	21	32.5	GO L	C7	1712	C -30 1903
50	10.0	9.4W	33 45.262	0.0007	21	-33 16 52.40	-0.032	21	0.42	45.250	22	32.5	51.84	21	32.5	G5	C7	1713	C -33 1820
51	10.6	10.0W	4 34 9.983	-0.0021	21	-33 0 35.27	-0.013	21	0.42	10.020	22	32.5	35.04	21	32.5	KO	C7	1714	C -33 1823
52	9.0	8.9W	34 12.113	0.0003	18	-38 16 30.51	0.032	18	0.31	12.108	15	36.0	30.95	21	36.0	A0	C8	1639	C -38 1650
53	9.1	8.9W	34 26.478	0.0040	21	-30 55 57.83	0.039	21	0.42	26.408	22	32.5	58.51	21	32.5	F5	C7	1715	C -31 1927
54	9.5	8.9W	34 32.448	0.0091	08	-39 30 55.30	0.004	08	0.22	32.320	15	36.0	55.35	21	36.0	G5	C8	1641	C -39 1558
55		7.1T	34 40.358	0.0009	12	-37 55 30.38	-0.070	10	0.61	40.312	18	99.3	26.41	19	93.5	FO	GC	5628	C*-38 1655
56	10.6	10.3W	34 40.530	0.0006	21	-33 23 30.09	-0.003	21	0.42	40.520	22	32.5	30.04	21	32.5	G2 L	C7	1716	C -33 1826
57	11.0	10.4W	34 40.775	-0.0067	18	-37 5 41.74	0.037	18	0.31	40.869	15	36.0	42.25	21	36.0	KO L	C8	1643	C -37 1829
58	11.2	10.4W	34 40.951	-0.0020	21	-30 23 19.11	0.050	21	0.42	40.987	22	32.5	19.98	21	32.5	G2 L	C7	1717	C -30 1910
59	9.5	8.5W	34 43.891	-0.0055	21	-31 54 9.39	0.036	21	0.42	43.988	22	32.5	10.02	21	32.5	KO	C7	1718	C -32 1888
60	10.2	10.0W	34 44.856	-0.0059	21	-33 8 45.55	0.028	21	0.42	44.960	22	32.5	46.04	21	32.5	G5	C7	1719	C -33 1827
61	9.0	8.8W	34 49.491	0.0040	21	-33 42 30.18	-0.053	21	0.42	49.421	22	32.5	29.25	21	32.5	F5	C7	1720	C -33 1828
62	9.8	9.5W	34 51.524	0.0071	21	-32 40 1.59	0.054	21	0.42	51.400	22	32.5	2.54	21	32.5	GO	C7	1721	C -32 1890
63		6.3T	34 54.367	-0.0013	07	-30 49 0.21	0.014	05	0.26	54.420	09	09.2	0.80	09	07.1	B8	GC	5632	C -30 1911
64		6.9T	35 8.632	-0.0002	09	-30 31 46.00	0.020	07	0.49	8.643	17	94.8	47.20	15	89.5	KO	GC	5637	C*-30 1915
65	9.5	9.6W	35 9.271	0.0017	13	-35 56 23.97	-0.037	13	0.26	9.248	15	36.0	23.45	21	36.0	A2	C8	1645	C -36 1801
66	9.8	9.6W	35 9.752	-0.0023	21	-34 36 45.32	0.042	21	0.42	9.792	22	32.5	46.05	21	32.5	G0	C7	1724	C -34 1774
67		8.0T	35 10.989	-0.0007	16	-35 43 9.10	0.032	11	0.69	11.024	19	03.2	10.71	18	99.2	KO	GC	5640	C*-35 1821
68	9.8	9.6W	35 12.467	-0.0036	21	-32 40 8.80	0.025	21	0.42	12.530	22	32.5	9.24	21	32.5	F8	C7	1725	C -32 1893
69	9.0	8.9W	35 13.764	-0.0013	21	-30 2 59.94	-0.003	21	0.42	13.787	22	32.5	59.88	21	32.5	FO	C7	1726	C -30 1916
70	10.0	10.0W	35 14.673	-0.0018	13	-36 37 43.92	0.038	13	0.26	14.698	15	36.0	44.45	21	36.0	A5 L	C8	1647	C -36 1803
71	10.3	10.0W	35 26.694	0.0055	21	-32 21 21.47	-0.009	21	0.42	26.599	22	32.5	21.32	21	32.5	G5 L	C7	1727	C -32 1896
72	11.2	10.3W	35 39.714	-0.0038	21	-33 51 37.11	0.065	21	0.42	39.781	22	32.5	38.25	21	32.5		C7	1728	C -34 1778
73	9.8	9.2W	35 40.209	-0.0034	21	-30 33 28.93	-0.035	21	0.42	40.268	22	32.5	28.31	21	32.5	KO	C7	1729	C -30 1919
74	8.3	8.0W	35 40.502	-0.0014	21	-30 0 6.62	-0.099	21	0.42	40.527	22	32.5	4.89	21	32.5	F5	C7	1730	C -30 1918
75	10.1	9.0W	35 47.606	0.0014	08	-37 33 41.02	-0.012	08	0.22	47.588	15	36.0	40.85	21	36.0	KO	C8	1648	C -37 1836
76		8.3T	35 48.993	-0.0007	14	-31 30 33.08	-0.019	10	0.62	49.025	18	02.4	32.18	17	01.5	G5	GC	5655	C -31 1938
77	10.2	9.6W	35 57.241	-0.0005	21	-33 20 54.63	0.012	21	0.42	57.250	22	32.5	54.84	21	32.5	G5 L	C7	1732	C -33 1840
78	9.9	9.6W	36 3.203	-0.0033	18	-37 53 44.29	-0.003	18	0.31	3.248	15	36.0	44.25	21	36.0	F8 L	C8	1649	C -38 1664
79	10.4	10.1W	36 3.301	0.0018	21	-33 46 4.36	0.076	21	0.41	3.271	22	33.1	5.65	21	33.1	G2 L	C7	1733	C -33 1841
80	9.7	9.5W	36 4.409	0.0005	21	-33 59 47.57	-0.019	21	0.41	4.401	22	33.1	47.25	21	33.1	GO	C7	1734	C -34 1783
81	10.5	9.9W	36 8.354	-0.0018	18	-38 39 42.85	0.043	18	0.31	8.379	15	36.0	43.45	21	36.0	G8 L	C8	1651	C -38 1667
82	10.8	10.5W	36 13.128	0.0010	21	-33 47 44.59	-0.038	21	0.41	13.111	22	33.1	43.95	21	33.1	G5 L	C7	1735	C -33 1844
83	8.7	7.8W	36 18.412	-0.0023	21	-34 12 29.28	-0.002	21	0.41	18.451	22	33.1	29.25	21	33.1	G5 L	C7	1736	C -34 1785
84	10.3	10.3W	36 20.514	-0.0007	21	-30 25 55.23	0.021	21	0.41	20.526	22	33.1	55.58	21	33.1	G2 L	C7	1737	C -30 1927
85	9.9	9.2W	36 25.962	0.0008	21	-31 28 21.71	0.024	21	0.41	25.948	22	33.1	22.11	21	33.1	G5	C7	1738	C -31 1951
86	10.6	9.8W	36 31.540	0.0001	21	-30 31 4.44	-0.025	21	0.41	31.538	22	33.1	4.01	21	33.1	KO L	C7	1739	C -30 1929
87	9.8	9.2W	36 32.000	-0.0017	21	-31 15 5.39	-0.034	21	0.41	32.028	22	33.1	4.81	21	33.1	G5	C7	1740	C -31 1954
88	10.2	10.3W	36 33.431	-0.0010	21	-31 2 47.55	-0.016	21	0.41	33.448	22	33.1	47.81	21	33.1	GO L	C7	1741	C -31 1955
89	10.1	9.1W	36 40.390	0.0009	13	-35 36 26.47	-0.001	13	0.26	40.378	15	36.0	26.45	21	36.0	G5	C8	1654	C -35 1837
90	10.4	10.1W	36 44.283	0.0015	21	-31 34 32.58	-0.051	21	0.41	44.258	22	33.1	31.73	21	33.1	G5 L	C7	1742	C -31 1959
91	10.3	10.2W	36 51.346	0.0016	21	-30 52 14.62	-0.030	21	0.41	51.318	22	33.1	14.11	21	33.1	G2 L	C7	1743	C -31 1960
92	10.5	10.2W	36 55.662	0.0037	21	-33 18 0.67	0.022	21	0.41	55.600	22	33.1	1.04	21	33.1	G5 L	C7	1744	C -33 1851
93	11.2	10.2W	36 56.765	0.0010	21	-31 5 39.70	-0.017	21	0.41	56.748	22	33.1	39.41	21	33.1		C7	1745	C -31 1961
94	9.2	9.1W	37 1.664	0.0023	21	-31 18 24.01	-0.023	21	0.41	1.628	22	33.1	23.61	21	33.1	F2	C7	1746	C -31 1962
95	10.6		37 1.799	0.0007	18	-36 46 45.86	0.014	18	0.31	1.789	15	36.0	46.05	21	36.0	KO L	C8	1655	C -36 1818
96	9.6	9.2W	37 4.339	-0.0007	18	-38 16 5.98	-0.045	18	0.31	4.348	15	36.0	5.35	21	36.0	F5	C8	1656	C -38 1671
97	10.7		37 8.417	-0.0080	18	-37 40 44.70	0.018	18	0.31	8.528	15	36.0	44.95	21	36.0	G5 L	C8	1658	C -37 1847
98	9.7	8.8W	37 8.434	0.0012	13	-36 16 35.93	0.009	13	0.26	8.417	15	36.0	36.05	21	36.0	K2	C8	1657	C -36 1819
99	9.4	8.5W	37 10.312	0.0017	13	-37 25 42.87	-0.030	13	0.26	10.288	15	36.0	42.45	21	36.0	K2	C8	1659	C -37 1846
00	10.8	10.2W	37 16.554	-0.0026	21	-31 48 30.90	-0.034	21	0.41	16.599	22	33.1	30.33	21	33.1	KO L	C7	1747	C -31 1965

195200			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-30° 4H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1	9.7	9.0W	4 37 18.154	-0.0026	21	-30 41 27.67	0.044	21	0.41	18.198	22	33.1	28.41	21	33.1	K0	C7	1748	C -30 1932
2	10.4	9.7W	37 25.174	-0.0021	21	-32 44 44.15	0.005	21	0.41	25.210	22	33.1	44.24	21	33.1	K0 L	C7	1749	C -32 1915
3	9.8	8.4W	37 25.848	-0.0030	21	-30 33 13.95	-0.002	21	0.41	25.898	22	33.1	13.91	21	33.1	MB	C7	1750	C -30 1934
4	10.1		37 26.454	-0.0017	13	-36 14 28.91	-0.011	13	0.26	26.477	15	36.0	28.75	21	36.0	F2 L	C8	1660	C -36 1822
5	8.3	8.1W	37 27.339	-0.0013	21	-33 31 37.86	0.011	21	0.41	27.361	22	33.1	38.05	21	33.1	F5	C7	1751	C -33 1858
6	8.5	7.6W	37 36.404	0.0002	21	-34 5 49.34	0.172	21	0.41	36.401	22	33.1	52.25	21	33.1	G5	C7	1752	C -34 1794
7	9.0	8.8W	37 57.638	0.0030	13	-35 15 47.36	0.014	13	0.26	57.597	15	36.0	47.55	21	36.0	F5	C8	1662	C -35 1851
8	10.3	9.5W	38 0.288	0.0021	13	-38 24 7.86	-0.036	13	0.26	0.258	15	36.0	7.35	21	36.0	G5 L	C8	1663	C -38 1677
9	8.7	8.4W	38 2.712	-0.0004	06	-35 44 27.17	0.042	06	0.20	2.717	15	36.0	27.75	21	36.0	F5	C8	1664	C -35 1852
10	10.8	9.8W	38 3.577	0.0007	13	-35 56 52.25	-0.014	13	0.26	3.568	15	36.0	52.05	21	36.0	K0 L	C8	1665	C -36 1827
11	11.1	10.0W	38 3.820	-0.0017	21	-31 18 44.00	0.007	21	0.41	3.848	22	33.1	44.11	21	33.1	K0 L	C7	1754	C -31 1973
12	10.7		38 4.430	-0.0041	18	-36 9 48.81	0.010	18	0.31	4.487	15	36.0	48.95	21	36.0	F2 L	C8	1666	C -36 1828
13	10.6	9.7W	38 10.454	0.0015	21	-31 24 16.60	-0.005	21	0.41	10.428	22	33.1	16.51	21	33.1	K0 L	C7	1755	C -31 1975
14	10.5	9.6W	38 15.402	0.0032	21	-32 7 52.23	-0.001	21	0.41	15.348	22	33.1	52.22	21	33.1	K0	C7	1756	C -32 1923
15	9.0	8.0W	38 18.257	-0.0000	13	-35 6 50.54	0.022	13	0.26	18.257	15	36.0	50.85	21	36.0	K0	C8	1667	C -35 1857
16		7.4T	38 31.084	-0.0010	12	-38 54 10.53	-0.011	10	0.59	31.134	17	99.9	9.93	19	96.4	K0	GC	5702	C*-39 1583
17	11.0		38 37.203	-0.0004	18	-37 23 45.40	0.075	18	0.31	37.208	15	36.0	46.45	21	36.0	G0 L	C8	1670	C -37 1854
18	10.0	9.4W	38 51.872	-0.0005	13	-36 48 48.90	0.011	13	0.26	51.879	15	36.0	49.05	21	36.0	K0 L	C8	1671	C -36 1841
19	10.2	9.3W	39 1.668	0.0011	21	-33 9 38.10	0.020	21	0.41	1.650	22	33.1	38.44	21	33.1	K0	C7	1757	C -33 1867
20	10.3		39 3.872	-0.0004	21	-30 37 55.44	0.034	21	0.41	3.878	22	33.1	56.01	21	33.1	A0 L	C7	1758	C -30 1945
21	9.7	8.6W	39 6.201	-0.0016	21	-32 19 19.54	-0.019	21	0.41	6.229	22	33.1	19.23	21	33.1	K0	C7	1759	C -32 1932
22		8.5Q	39 7.161	0.0031	18	-39 56 23.36	0.035	15	0.82	7.018	24	03.9	25.07	22	01.4	A	GC	5712	C -40 1520
23		7.9T	39 7.256	0.0016	14	-39 56 55.05	0.057	12	0.70	7.178	21	01.3	58.03	18	97.5	A5	GC	5713	C -40 1521
24	10.3	9.5W	39 16.106	0.0003	21	-33 35 0.27	-0.025	21	0.41	16.101	22	33.1	-59.85	21	33.1	K0	C7	1760	C -33 1872
25	10.1	10.0W	39 18.791	-0.0015	21	-30 8 18.05	0.014	21	0.41	18.816	22	33.1	18.29	21	33.1	F8 L	C7	1761	C -30 1949
26		8.0T	39 21.654	0.0016	14	-39 40 41.04	0.013	12	0.68	21.577	18	01.6	41.71	18	97.3	F5	GC	5720	C*-39 1590
27	10.3	10.5W	39 34.850	-0.0054	21	-34 36 29.41	0.062	21	0.41	34.942	22	33.1	30.46	21	33.1	F8	C7	1762	C -34 1816
28	9.7	9.6W	39 36.455	0.0010	21	-30 33 18.38	0.002	21	0.41	36.438	22	33.1	18.41	21	33.1	A5	C7	1763	C -30 1953
29	9.7	9.6W	39 36.851	-0.0022	21	-30 54 44.73	-0.001	21	0.41	36.888	22	33.1	44.71	21	33.1	G0	C7	1764	C -31 1985
30	11.0	10.2W	39 41.054	-0.0056	21	-30 48 2.88	-0.010	21	0.41	41.148	22	33.1	2.71	21	33.1	K0 L	C7	1765	C -30 1956
31	9.0	8.6W	39 48.828	0.0135	21	-32 56 23.81	0.043	21	0.41	48.600	22	33.1	24.54	21	33.1	G0	C7	1766	C -33 1875
32	10.5	10.6W	39 49.351	-0.0029	21	-33 20 33.84	0.012	21	0.41	49.400	22	33.1	34.04	21	33.1		C7	1767	C -33 1876
33	10.3	9.5W	39 50.419	-0.0018	21	-32 40 52.17	0.016	21	0.41	50.450	22	33.1	52.44	21	33.1	K0	C7	1768	C -32 1934
34	10.4	9.6W	39 57.733	-0.0017	21	-34 48 14.53	0.055	21	0.41	57.762	22	33.1	15.46	21	33.1	G5	C7	1769	C -34 1820
35	9.8	9.5W	39 59.816	0.0007	08	-35 12 22.23	-0.084	08	0.22	59.807	15	36.0	21.05	21	36.0	G0	C8	1677	C -35 1870
36	10.5		40 0.469	0.0029	18	-36 40 48.50	0.040	18	0.31	0.429	15	36.0	49.05	21	36.0	F5 L	C8	1678	C -36 1847
37		8.4T	40 4.497	-0.0021	16	-37 17 5.62	-0.024	11	0.71	4.597	21	02.4	4.33	19	96.8	K5	GC	5732	C -37 1865
38	11.2	10.6W	40 10.512	-0.0004	21	-30 51 28.28	0.014	21	0.41	10.518	22	33.1	28.51	21	33.1	K0 L	C7	1770	C -31 1989
39		5.1H	40 17.269	0.0032	03	-37 14 27.53	0.194	03	0.12	17.151	05	13.7	34.41	05	14.6	F5	F4	1130	C -37 1867
40	8.9	8.4W	40 20.190	-0.0034	13	-35 34 10.26	-0.023	13	0.26	20.237	15	36.0	9.95	21	36.0	G0	C8	1681	C -35 1877
41		6.9T	40 23.039	-0.0009	13	-37 42 26.55	0.013	12	0.68	23.084	18	99.4	27.24	19	96.2	A0	GC	5744	C*-37 1869
42	8.8	8.8W	40 26.560	0.0000	18	-38 38 33.88	0.012	18	0.31	26.559	15	36.0	34.05	21	36.0	A3	C8	1683	C -38 1703
43	9.6	9.6W	40 46.095	-0.0003	21	-32 33 57.02	0.013	21	0.41	46.100	22	33.1	57.25	21	33.1	F0	C7	1771	C -32 1941
44	9.8	9.4W	40 54.582	0.0018	21	-34 42 3.45	-0.023	21	0.41	54.552	22	33.1	3.06	21	33.1	G0	C7	1772	C -34 1828
45	9.5	8.1W	40 57.542	0.0039	13	-35 41 8.70	0.025	13	0.26	57.487	15	36.0	9.05	21	36.0	K2	C8	1685	C -35 1882
46		8.6T	40 57.878	0.0004	13	-38 57 1.56	0.018	13	0.70	57.858	18	00.5	2.48	19	98.3	K0	GC	5754	C -39 1601
47	8.5	7.4W	41 0.537	0.0004	21	-34 18 33.74	0.036	21	0.41	0.531	22	33.1	34.35	21	33.1	K0	C7	1773	C -34 1830
48		7.4T	41 0.852	0.0028	14	-31 48 7.37	-0.012	12	0.69	0.714	18	00.9	6.77	18	98.0	F0	GC	5757	C -31 1997
49	8.8	8.5W	41 6.550	-0.0018	21	-33 31 28.01	-0.092	21	0.41	6.581	22	33.1	26.45	21	33.1	F8	C7	1775	C -33 1886
50		5.7T	41 13.221	-0.0027	06	-30 51 26.68	-0.066	06	0.29	13.347	12	03.4	23.28	12	98.6	K0	GC	5762	C -30 1968
51	9.3	8.3W	4 41 17.502	0.0006	21	-34 56 23.98	0.034	21	0.41	17.492	22	33.1	24.56	21	33.1	K0	C7	1777	C -35 1886
52	9.6	8.9W	41 21.284	0.0025	13	-36 30 6.53	0.037	13	0.26	21.249	15	36.0	7.05	21	36.0	K0 L	C8	1688	C -36 1855
53	9.6	8.2W	41 47.302	-0.0015	21	-32 20 57.67	-0.009	21	0.41	47.328	22	33.1	57.53	21	33.1	K2	C7	1778	C -32 1949
54	10.5	9.8W	41 58.183	-0.0029	21	-34 31 49.94	0.013	21	0.41	58.232	22	33.1	50.16	21	33.1	K0 L	C7	1779	C -34 1839
55	10.9	10.8W	42 3.591	-0.0015	21	-30 16 17.03	-0.020	21	0.41	3.616	22	33.1	16.69	21	33.1	G2 L	C7	1780	C -30 1976
56	10.1	10.1W	42 4.089	-0.0006	21	-32 52 37.34	-0.012	21	0.41	4.100	22	33.1	37.14	21	33.1	F8	C7	1781	C -33 1897
57		7.6T	42 9.874	0.0012	13	-31 34 38.10	-0.051	12	0.65	9.813	18	00.3	35.46	18	98.7	G5	GC	5780	C -31 2004
58	10.0	9.1W	42 10.365	0.0004	18	-38 34 16.52	-0.012	18	0.31	10.359	15	36.0	16.35	21	36.0	K0	C8	1689	C -38 1713
59	10.3	9.5W	42 11.215	-0.0017	18	-37 11 47.53	0.037	18	0.31	11.239	15	36.0	48.05	21	36.0	G5 L	C8	1690	C -37 1878
60	10.2	9.4W	42 27.278	0.0006	13	-38 47 48.45	0.036	13	0.26	27.269	15	36.0	48.95	21	36.0	G8 L	C8	1691	C -38 1715
61		8.5T	42 36.361	-0.0015	18	-36 32 41.99	0.009	13	0.77	36.429	21	04.3	42.41	22	02.2	K0	GC	5790	C -36 1862
62	10.3	9.4W	42 52.250	0.0017	13	-35 7 22.07	0.013	13	0.26	52.227	15	36.0	22.25	21	36.0	G5	C8	1694	C -35 1904
63	10.1	9.9W	42 54.381	0.0249	21	-32 57 55.30	-0.187	21	0.41	53.960	22	33.1	52.15	21	33.1	G0	C7	1783	C -33 1901
64	10.0	9.1W	42 57.949	-0.0057	18	-37 59 57.18	0.012	18	0.31	58.028	15	36.0	57.35	21	36.0	K1 L	C8	1695	C -38 1717
65	10.7		43 2.462	-0.0040	23	-36 52 21.31	-0.011	23	0.37	2.518	15	36.0	21.15	21	36.0	G0 L	C8	1696	C -37 1884
66	8.9	8.8W	43 12.322	0.0008	21	-31 1 54.24	0.022	21	0.41	12.308	22	33.1	54.61	21	33.1	F0	C7	1784	C -31 2011
67	8.4	8.1W	43 15.001	-0.0011	21	-33 7 19.33	0.042	21	0.41	15.020	22	33.1	20.05	21	33.1	F8	C7	1785	C -33 1906
68	10.3	9.2W	43 18.928	-0.0001	21	-32 7 7.61	-0.023	21	0.41	18.928	22	33.1	7.22	21	33.1	K2	C7	1786	C -32 1963
69	10.8		43 21.095	-0.0042	21	-30 28 48.89	0.006	21	0.41	21.166	22	33.1	48.99	21	33.1	G0 L	C7	1787	C -30 1988
70	9.9	9.1W	43 41.325	-0.0002	21	-30 45 9.31	0.018	21	0.41	41.328	22	33.1	9.61	21	33.1	K2	C7	1788	C -30 1990
71	10.6	10.7W	43 43.881	-0.0010	21	-30 41 50.57	0.074	21	0.41	43.898	22	33.1	51.81	21	33.1	F5 L	C7	1789	C -30 1991
72	10.7	10.0W	43 44.646	-0.0022	13	-35 26 10.44	0.022	13	0.26	44.677	15	36.0	10.75	21	36.0	K5	C8	1698	C -35 1912
73	10.3	9.5W	43 46.948	-0.0022	18	-37 34 45.95	0.015	18	0.31	46.978	15	36.0	46.15	21	36.0	K0 L	C8	1699	C -37 1892
74	10.7	10.2W	43 58.166	0.0017	21	-31 37 7.48	0.038	21	0.41	58.138	22	33.1	8.13	21	33.1	G5F L	C7	1790	C -31 2017
75		6.8T	43 58.481	0.0027	05	-34 5 41.48	0.019	04	0.20	58.375	07	10.1	42.27	07	09.1	B9	GC	5814	C -34 1859
76	10.4	9.7W	44 7.119	-0.0035	21	-30 44 54.94	-0.031	21	0.41	7.178	22	33.1	54.41	21	33.1	G5 L	C7	1792	C -30 1996
77	9.8	9.6W	44 10.314	0.0027	21	-30 42 46.97	0.050	21	0.41	10.268	22	33.1	47.81	21	33.1	G0 L	C7	1793	C -30 1997
78		6.0T	44 13.928	-0.0059	05	-39 26 45.10	-0.019	04	0.26	14.212	10	01.8	44.10	10	98.3	K0	GC	5821	C -39 1624
79	9.9	9.6W	44 15.123	-0.0028	21	-33 44 4.57	-0.120	21	0.41	15.171	22	33.1	2.55	21	33.1	G0	C7	1794	C -33 1922
80	10.6	9.7W	44 22.437	-0.0014	21	-34 13 31.90	0.009	21	0.41	22.461	22	33.1	32.05	21	33.1	F8	C7	1795	C -34 1868
81	11.0		44 33.199	0.0100	21	-33 14 29.63	-0.088	21	0.41	33.030	22	33.1	28.14	21	33.1	F5 L	C7	1796	C -33 1923
82		7.5T	44 35.810	-0.0015	13	-38 12 9.95	-0.007	11	0.59	35.879	17	03.6	9.60	15	01.4	K0	GC	5828	C -38 1728
83		7.8T	44 38.388	-0.0003	13	-35 53 44.15	0.033	12	0.65	38.405	17	01.1	45.81	18	99.1	K0	GC	5830	C -36 1879
84	9.8	10.0W	44 41.241	-0.0023	21	-32 31 29.01	-0.004	21	0.41	41.280	22	33.1	28.94	21	33.1	A2	C7	1797	C -32 1971
85	10.2	10.1W	44 44.724	0.0039	21	-31 1 34.32	0.106	21	0.41	44.658	22	33.1	36.11	21	33.1	F8 L	C7	1798	C -31 2025
86		7.7T	44 46.726	-0.0011	15	-37 32 40.75	0.001	11	0.70	46.778	22	01.8	40.79	21	96.9	K5	GC	5831	C -37 1894
87	10.1	9.4W	44 47.017	-0.0008	21	-34 13 3.31	0.079	21	0.41	47.031	22	33.1	4.65	21	33.1	G0	C7	1799	C -34 1874
88	10.2		44 56.726	0.0012	13	-38 33 50.09	-0.003	13	0.26	56.709	15	36.0	50.05	21	36.0	F5 L	C8	1704	C -38 1729
89	10.2	9.9W	45 2.089	-0.0018	21	-33 16 3.01	0.008	21	0.41	2.120	22	33.1	3.15	21	33.1	G0	C7	1801	C -33 1929
90	10.3		45 17.338	-0.0015	18	-38 41 24.02	-0.012	18	0.31	17.359	15	36.0	23.85	21	36.0	F5 L	C8	1706	C -38 1732
91		7.3T	45 17.447	-0.0009	14	-38 23 49.30	0.011	11	0.67	17.490	18	01.4	49.88	21	96.3	G5	GC	5842	C -38 1733
92	9.4	8.4W	45 25.406	0.0009	21	-33 42 3.12	-0.052	21	0.41	25.391	22	33.1	2.25	21	33.1	G5	C7	1802	C -33 1937
93	10.0	9.7W	45 26.459	0.0006	21	-30 47 14.52	-0.018	21	0.41	26.448	22	33.1	14.21	21	33.1	G0	C7	1803	C -30 2007
94	9.4	9.3W	45 27.891	0.0031	13	-35 47 11.11	0.010	13	0.26	27.848	15	36.0	11.25	21	36.0	A2	C8	1708	C -35 1923
95			45 31.719	0.0037	13	-36 17 50.61	0.010	13	0.26	31.667	15	36.0	50.75	21	36.0	NB	C8	1709x	C -36 1884
96	9.7	9.5W	45 31.766	-0.0014	21	-33 14 48.79	-0.003	21	0.41	31.790	22	33.1	48.74	21	33.1	F5	C7	1804	C -33 1938
97	10.4	9.7W	45 45.131	-0.0022	21	-31 23 9.56	-0.026	21	0.41	45.168	22	33.1	9.11	21	33.1	K2	C7	1805	C -31 2031
98	10.6	10.7W	45 46.706	-0.0014	21	-33 14 43.92	0.001	21	0.41	46.730	22	33.1	43.94	21	33.1	F2 L	C7	1806	C -33 1939
99	10.8		45 47.480	-0.0049	18	-37 21 11.69	-0.060	18	0.31	47.548	15	36.0	10.85	21	36.0	G2 L	C8	1710	C -37 1898
00		6.4T	45 52.463	0.0026	05	-30 6 32.44	0.095	04	0.24	52.348	09	05.7	37.01	09	01.9	K0	GC	5851	C*-30 2011

195300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-30° 4H DM NUMBER
1	9.7	9.2W	4 46 2.445	0.0012	13	-38 9 10.05	0.015	13	0.26	2.428	15	36.0	10.25	21	36.0	F8	C8	1712	C -38 1744
2	10.8	10.8W	46 7.131	-0.0015	21	-30 25 38.60	0.035	21	0.41	7.156	22	33.1	39.19	21	33.1	G0 L	C7	1808	C -30 2513
3	9.7	9.7W	46 15.478	-0.0007	21	-33 22 2.15	-0.018	21	0.41	15.490	22	33.1	1.84	21	33.1	F8	C7	1809	C -33 1944
4	10.1	9.6W	46 16.035	-0.0063	08	-35 7 36.08	-0.016	08	0.22	15.947	15	36.0	35.85	21	36.0	G0	C8	1713	C -35 1927
5	10.9	10.2W	46 21.668	-0.0018	21	-30 43 7.13	-0.019	21	0.41	21.696	22	33.1	6.81	21	33.1	K0 L	C7	1810	C -30 2015
6	10.8		46 29.583	0.0011	08	-36 14 56.76	-0.036	08	0.22	29.568	15	36.0	56.25	21	36.0	G8 L	C8	1715	C -36 1891
7	10.8	10.2W	46 31.136	-0.0043	21	-30 58 30.53	0.017	21	0.41	31.208	22	33.1	30.81	21	33.1	G5 L	C7	1811	C -31 2036
8	10.7		46 31.228	-0.0015	23	-36 53 42.49	-0.003	23	0.37	31.248	15	36.0	42.45	21	36.0	G2 L	C8	1716	C -37 1901
9	10.4	9.3W	46 32.197	-0.0037	21	-32 57 24.18	-0.026	21	0.41	32.260	22	33.1	23.75	21	33.1	K0	C7	1812	C -33 1945
10	10.1	9.9W	46 32.867	-0.0036	08	-36 15 48.56	-0.022	08	0.22	32.917	15	36.0	48.25	21	36.0	F8 L	C8	1717	C -36 1892
11	11.3	10.5W	46 39.090	-0.0045	21	-30 24 5.74	-0.015	21	0.41	39.166	22	33.1	5.49	21	33.1		C7	1813	C -30 2018
12	9.5	9.6W	46 43.452	-0.0015	21	-32 11 37.92	0.000	21	0.41	43.478	22	33.1	37.92	21	33.1	F0	C7	1814	C -32 1993
13	9.1	8.8W	46 51.504	-0.0032	18	-37 31 15.40	-0.046	18	0.31	51.548	15	36.0	14.75	21	36.0	F5	C8	1718	C -37 1903
14	9.5	9.2W	46 52.571	-0.0019	13	-36 6 29.75	-0.000	13	0.26	52.598	15	36.0	29.75	21	36.0	F2	C8	1719	C -36 1894
15	9.9	8.9W	46 59.587	-0.0001	07	-36 47 49.23	0.009	07	0.21	59.589	15	36.0	49.35	21	36.0	K0	C8	1720	C -36 1899
16	8.4	8.1W	47 5.164	-0.0055	21	-33 33 30.92	0.059	21	0.42	5.261	22	32.5	31.95	21	32.5	G0	C7	1815	C -33 1952
17	10.3		47 5.628	0.0013	13	-38 58 21.38	0.034	13	0.26	5.609	15	36.0	21.85	21	36.0	F5 L	C8	1721	C -39 1642
18	10.6	9.4W	47 10.209	0.0000	07	-36 50 8.46	-0.036	07	0.21	10.208	15	36.0	7.95	21	36.0	K1 L	C8	1722	C -36 1903
19	10.1	9.9W	47 12.129	-0.0044	21	-30 18 4.11	-0.001	21	0.42	12.207	22	32.5	4.09	21	32.5	G5 L	C7	1816	C -30 2022
20	9.9	9.7W	47 14.946	-0.0007	21	-30 53 55.14	0.027	21	0.42	14.958	22	32.5	55.61	21	32.5	G0	C7	1817	C -31 2042
21	8.4	7.9W	47 18.087	0.0119	21	-31 30 42.95	-0.019	21	0.42	17.878	22	32.5	42.62	21	32.5	G5	C7	1818	C -31 2043
22		7.8T	47 20.121	0.0042	12	-35 10 15.66	0.136	09	0.58	19.906	17	98.6	22.98	18	96.1	F5	GC	5878	C*-35 1940
23		7.0T	47 21.389	0.0002	12	-34 23 50.23	-0.032	11	0.61	21.381	14	00.9	48.59	17	98.2	G5	GC	5879	C -34 1893
24	10.1	9.9W	47 21.642	0.0032	18	-35 38 29.01	-0.004	18	0.31	21.597	15	36.0	28.95	21	36.0	F8 L	C8	1724	C -35 1942
25	10.1	10.3W	47 31.428	-0.0001	21	-31 59 24.19	-0.033	21	0.42	31.428	22	32.5	23.62	21	32.5	A2	C7	1820	C -32 2001
26	10.7	10.2W	47 34.415	0.0010	21	-32 1 8.08	0.002	21	0.42	34.399	22	32.5	8.12	21	32.5	G5 L	C7	1821	C -32 2002
27	8.7	8.4W	47 40.863	-0.0055	21	-33 10 41.03	-0.051	21	0.42	40.960	22	32.5	40.14	21	32.5	F8	C7	1822	C -33 1957
28	10.9	9.8W	47 42.562	-0.0003	21	-31 35 21.58	-0.004	21	0.42	42.569	22	32.5	21.52	21	32.5	M L	C7	1823	C -31 2049
29	10.9	9.8W	47 57.675	-0.0017	18	-38 3 20.29	0.062	18	0.31	57.698	15	36.0	21.15	21	36.0	K0 L	C8	1726	C -38 1756
30	10.2		48 0.393	0.0024	13	-39 23 19.29	0.076	13	0.26	0.359	15	36.0	20.35	21	36.0	F5 L	C8	1727	C -39 1648
31	8.4	7.4W	48 0.732	-0.0021	21	-31 3 20.70	0.018	21	0.42	0.768	22	32.5	21.01	21	32.5	K0	C7	1824	C -31 2052
32		7.6T	48 3.595	-0.0000	12	-35 11 28.32	-0.129	10	0.58	3.596	17	99.6	21.47	17	97.0	K0	GC	5899	C*-35 1948
33	10.0	9.7W	48 4.984	0.0024	21	-34 41 49.26	0.034	21	0.42	4.942	22	32.5	49.86	21	32.5	G0	C7	1825	C -34 1895
34	10.2	9.5W	48 5.045	-0.0044	21	-34 47 57.61	0.083	21	0.42	5.122	22	32.5	59.06	21	32.5	G5	C7	1826	C -34 1896
35	9.1	8.0W	48 11.811	-0.0009	21	-30 20 42.64	-0.003	21	0.42	11.827	22	32.5	42.59	21	32.5	K2	C7	1827	C -30 2029
36	11.2	10.1W	48 14.303	0.0007	21	-33 42 38.37	-0.016	21	0.42	14.291	22	32.5	38.65	21	32.5		C7	1828	C -33 1962
37	10.0	9.4W	48 16.310	-0.0005	21	-31 17 34.30	-0.045	21	0.42	16.318	22	32.5	33.51	21	32.5	G5	C7	1829	C -31 2055
38	9.7	8.9W	48 20.594	-0.0017	13	-36 26 26.31	0.017	13	0.26	20.617	15	36.0	26.55	21	36.0	K0	C8	1729	C -36 1908
39	8.6	8.5W	48 22.849	-0.0086	06	-39 15 57.05	0.043	06	0.20	22.969	15	36.0	57.65	21	36.0	F5	C8	1730	C*-39 1656
40	9.4	8.5W	48 35.706	-0.0016	13	-37 10 17.72	-0.005	13	0.26	35.728	15	36.0	17.65	21	36.0	K0	C8	1731	C -37 1912
41	9.0	8.4W	48 45.030	0.0017	21	-34 17 28.99	0.049	21	0.42	45.001	22	32.5	29.85	21	32.5	G5	C7	1830	C -34 1904
42		7.1T	48 45.452	0.0025	11	-38 38 44.28	0.117	09	0.54	45.324	17	98.9	50.36	18	97.9	F5	GC	5916K	C -38 1762
43	10.1	10.0W	48 47.182	-0.0009	21	-31 39 48.05	-0.019	21	0.42	47.198	22	32.5	47.72	21	32.5	F8	C7	1831	C -31 2059
44	8.0	8.5W	48 47.698	-0.0002	13	-39 35 8.91	0.003	13	0.26	47.700	15	36.0	8.95	21	36.0	A0	C8	1733	C -39 1658
45	10.3	9.0W	48 56.947	0.0034	13	-39 5 43.26	0.014	13	0.26	56.899	15	36.0	43.45	21	36.0	K	C8	1734	C -39 1659
46	10.5	9.3W	48 58.314	0.0002	21	-34 18 54.07	-0.001	21	0.42	58.311	22	32.5	54.05	21	32.5	G5	C7	1832	C -34 1907
47	9.5	9.5W	49 3.618	0.0013	10	-38 56 12.91	0.039	10	0.23	3.599	15	36.0	13.45	21	36.0	A3	C8	1735	C -39 1660
48	9.8	8.8W	49 5.138	-0.0007	21	-34 5 42.79	0.032	21	0.42	5.151	22	32.5	43.35	21	32.5	K5	C7	1833	C -34 1909
49	10.0	9.8W	49 5.295	-0.0017	13	-38 28 9.49	-0.067	13	0.26	5.318	15	36.0	8.55	21	36.0	F8 L	C8	1736	C -38 1765
50	10.6	9.8W	49 13.023	-0.0025	21	-30 21 45.72	-0.002	21	0.42	13.067	22	32.5	45.69	21	32.5	G5 L	C7	1834	C -30 2037
51	10.4		4 49 13.796	-0.0052	18	-37 46 57.83	0.023	18	0.31	13.868	15	36.0	58.15	21	36.0	F2 L	C8	1737	C -37 1915
52	10.8	10.2W	49 15.226	-0.0012	21	-32 25 13.59	0.013	21	0.42	15.248	22	32.5	13.82	21	32.5	K0	C7	1835	C -32 2018
53	9.8	9.5W	49 24.633	-0.0020	21	-32 3 40.23	0.005	21	0.42	24.669	22	32.5	40.32	21	32.5	G0	C7	1836	C -32 2019
54	9.4	9.2W	49 24.684	-0.0012	13	-39 53 21.04	-0.049	13	0.26	24.700	15	36.0	20.35	21	36.0	F5	C8	1739	C -40 1615
55	10.2	8.9W	49 26.370	0.0001	23	-36 49 59.43	0.023	23	0.37	26.368	15	36.0	59.75	21	36.0	K5	C8	1740	C -36 1913
56	10.6	9.2W	49 28.541	-0.0039	21	-32 59 7.19	0.020	21	0.42	28.610	22	32.5	7.54	21	32.5	K2	C7	1837	C -33 1970
57		5.8T	49 38.941	0.0019	05	-34 59 20.94	-0.029	04	0.26	38.852	12	03.5	19.50	10	00.2	A0	GC	5939	C -35 1962
58	8.5	8.2W	49 45.731	0.0082	21	-31 38 59.85	-0.042	21	0.42	45.588	22	32.5	59.12	21	32.5	G0	C7	1839	C -31 2069
59	10.6	9.9W	49 51.311	0.0002	21	-32 19 15.79	-0.027	21	0.42	51.309	22	32.5	15.32	21	32.5	K0 L	C7	1840	C -32 2022
60	9.0	7.8W	49 56.671	-0.0022	21	-33 21 6.28	0.026	21	0.42	56.710	22	32.5	6.74	21	32.5	K0	C7	1841	C -33 1973
61	9.3	8.9W	49 57.342	0.0052	21	-34 18 15.30	0.003	21	0.42	57.251	22	32.5	15.35	21	32.5	G5	C7	1842	C -34 1920
62	8.6	8.1W	49 58.531	-0.0069	05	-35 55 21.78	-0.045	06	0.19	58.628	15	36.0	21.15	21	36.0	K0	C8	1741	C -36 1916
63		7.6T	50 0.074	0.0006	12	-38 41 36.36	0.016	10	0.60	0.044	18	00.6	37.16	18	99.2	A3	GC	5948	C -38 1774
64		6.6T	50 3.664	0.0056	09	-34 19 17.61	0.003	07	0.50	3.358	17	95.8	17.81	17	90.4	F5	GC	5949	C*-34 1921
65	9.6	9.4W	50 3.890	-0.0012	23	-35 11 23.88	0.027	23	0.37	3.907	15	36.0	24.25	21	36.0	F5	C8	1743	C -35 1967
66	9.2	8.9W	50 5.125	0.0054	21	-34 20 6.00	-0.003	21	0.42	5.031	22	32.5	5.95	21	32.5	G5 L	C7	1844	C -34 1922
67	10.2	9.2W	50 9.136	-0.0008	21	-33 28 43.01	0.013	21	0.42	9.150	22	32.5	43.24	21	32.5	K0	C7	1845	C -33 1975
68	10.3	9.5W	50 26.239	-0.0028	18	-36 53 23.20	-0.032	18	0.31	26.279	15	36.0	22.75	21	36.0	K5	C8	1744	C -37 1926
69	9.6	9.2W	50 28.974	-0.0031	09	-36 24 24.18	-0.016	09	0.22	29.018	15	36.0	23.95	21	36.0	G5	C8	1745	C -36 1918
70	10.9	10.4W	50 31.327	0.0091	21	-31 45 0.93	-0.138	21	0.42	31.168	22	32.5	58.52	21	32.5	G5 L	C7	1846	C -31 2073
71	10.8	10.0W	50 34.089	-0.0012	21	-33 4 40.81	0.013	21	0.42	34.110	22	32.5	41.04	21	32.5	G5 L	C7	1847	C -33 1978
72	7.5	7.8W	50 42.415	0.0015	21	-30 44 32.09	-0.016	21	0.42	42.388	22	32.5	31.81	21	32.5	A2	C7	1848	C -30 2051
73	10.5	9.4W	50 46.252	0.0016	09	-38 39 41.25	-0.021	09	0.22	46.229	15	36.0	40.95	21	36.0	K2 L	C8	1746	C -38 1778
74	10.6	10.3W	50 47.053	-0.0031	21	-32 27 43.84	-0.104	21	0.42	47.908	22	32.5	42.02	21	32.5	F8 L	C7	1849	C -32 2026
75	10.7	10.8W	50 50.729	0.0006	21	-31 20 8.80	0.041	21	0.42	50.716	22	32.5	9.51	21	32.5	F8 L	C7	1850	C -31 2076
76	9.9	8.9W	50 53.431	-0.0005	13	-36 4 21.03	0.009	13	0.26	53.438	15	36.0	21.15	21	36.0	K0	C8	1747	C -36 1922
77	9.8	9.6W	50 53.754	-0.0049	21	-33 10 45.67	-0.002	21	0.42	53.840	22	32.5	45.64	21	32.5	F5	C7	1851	C -33 1979
78	10.7		51 1.830	0.0015	18	-37 16 39.59	-0.053	18	0.31	1.809	15	36.0	38.85	21	36.0	G2 L	C8	1748	C -37 1932
79	10.7	10.0W	51 11.816	-0.0025	21	-32 55 4.07	-0.002	21	0.42	11.860	22	32.5	4.04	21	32.5	G5 L	C7	1852	C -33 1981
80	11.1	10.3W	51 15.556	-0.0042	21	-32 30 46.70	0.025	21	0.42	15.630	22	32.5	47.14	21	32.5		C7	1853	C -32 2031
81		7.0T	51 33.377	0.0029	13	-38 13 31.52	0.005	12	0.62	33.239	17	02.6	31.76	18	01.4	K0	GC	5975	C -38 1781
82	10.7	9.9W	51 45.294	-0.0003	21	-32 31 57.67	0.021	21	0.42	45.300	22	32.5	58.04	21	32.5	G5 L	C7	1854	C -32 2034
83	9.5	9.3W	51 46.511	0.0031	13	-35 48 28.46	0.028	13	0.26	46.468	15	36.0	28.85	21	36.0	F0	C8	1750	C -35 1986
84	9.9	9.6W	51 50.001	-0.0021	21	-31 49 37.48	-0.004	21	0.42	50.038	22	32.5	37.42	21	32.5	G0	C7	1855	C -31 2087
85	10.0	9.7W	52 9.095	-0.0030	21	-32 4 55.85	-0.025	21	0.42	9.148	22	32.5	55.42	21	32.5	F8	C7	1856	C -32 2037
86		7.7T	52 15.411	0.0080	15	-35 29 12.42	0.160	11	0.67	15.033	19	02.6	20.56	18	99.0	G5	GC	5990	C -35 1989
87		6.8T	52 20.906	0.0014	12	-38 14 35.15	0.001	12	0.61	20.837	17	00.9	35.19	19	99.7	K0	GC	5993	C -38 1790
88	9.7	9.6W	52 28.698	-0.0008	18	-38 46 54.72	-0.012	18	0.31	28.709	15	36.0	54.55	21	36.0	F	C8	1753	C -38 1791
89	10.9	10.6W	52 29.063	-0.0076	21	-30 20 42.52	0.021	21	0.42	29.197	22	32.5	42.89	21	32.5	G2 L	C7	1857	C -30 2066
90	10.4		52 29.424	0.0011	18	-37 29 55.53	0.066	18	0.31	29.408	15	36.0	56.45	21	36.0	F8 L	C8	1754	C -37 1941
91	10.6	9.4W	52 30.290	-0.0005	21	-31 15 40.49	0.007	21	0.42	30.298	22	32.5	40.61	21	32.5	K0 L	C7	1858	C -31 2091
92	10.9	10.1W	52 30.850	-0.0021	21	-30 22 2.49	-0.040	21	0.42	30.887	22	32.5	1.79	21	32.5	G0 L	C7	1859	C -30 2067
93	10.2	9.1W	52 38.832	0.0030	10	-38 47 8.65	-0.021	10	0.23	38.789	15	36.0	8.35	21	36.0	K2	C8	1755	C -38 1792
94	8.4	8.1W	52 47.983	0.0002	21	-31 30 34.04	-0.287	21	0.42	47.978	22	32.5	29.02	21	32.5	G5	C7	1860	C -31 2095
95		7.7T	52 53.913	-0.0025	13	-39 10 8.18	0.024	10	0.64	54.034	21	01.4	9.45	19	96.4	G5	GC	6009	C -39 1689
96	10.5		52 58.988	-0.0014	18	-36 17 44.88	0.005	18	0.31	59.007	15	36.0	44.95	21	36.0	F2 L	C8	1757	C -36 1946
97	11.0	9.5W	53 1.426	-0.0001	13	-36 19 0.05	0.007	13	0.26	1.428	15	36.0	0.15	21	36.0		C8	1758	C -36 1947
98	11.5	10.3W	53 2.875	-0.0025	21	-31 4 25.64	-0.024	21	0.42	2.918	22	32.5	25.21	21	32.5		C7	1861	C -31 2097
99		7.3T	53 11.943	-0.0012	12	-30 21 55.28	0.010	13	0.69	12.006	15	97.8	55.82	18	97.1	A0	GC	6013	C*-30 2072
00		6.0T	53 14.207	-0.0014	05	-39 42 28.65	0.024	04	0.21	14.262	09	11.0	29.66	09	07.3	K0	GC	6016	C -39 1691

195400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 4H DM NUMBER
1	11.2		4 53 15.560	-0.0063	23	-37 12 2.45	-0.000	23	0.37	15.648	15	36.0	2.45	21	36.0	G2 L	C8	1760	C -37 1946
2	10.5	9.7W	53 23.210	-0.0022	21	-30 52 30.90	0.018	21	0.42	23.248	22	32.5	31.21	21	32.5	K5	C7	1863	C -31 2101
3	9.1	8.3W	53 32.066	-0.0003	21	-34 55 20.25	0.029	21	0.42	32.072	22	32.5	20.75	21	32.5	K0	C7	1864	C -35 2000
4	10.3		53 32.065	0.0003	07	-39 58 13.51	-0.068	07	0.21	32.060	15	36.0	12.55	21	36.0	G0 L	C8	1761	C -40 1647
5	9.6	8.8W	53 39.712	0.0001	13	-39 50 15.69	-0.010	13	0.26	39.710	15	36.0	15.55	21	36.0	G5	C8	1762	C -39 1697
6	8.8	8.7W	53 40.484	-0.0010	13	-35 42 3.03	0.023	13	0.26	40.498	15	36.0	3.35	21	36.0	F0	C8	1763	C -35 2004
7		7.5T	53 44.871	0.0004	14	-39 50 0.74	0.096	12	0.70	44.851	18	00.8	5.76	21	97.6	K0	GC	6035	C*-39 1699
8	10.1	8.8W	53 53.665	-0.0018	21	-30 23 57.24	-0.049	21	0.42	53.697	22	32.5	56.38	21	32.5	K5	C7	1865	C -30 2076
9	11.0	10.5W	53 57.565	-0.0044	21	-34 43 39.51	-0.020	21	0.42	57.642	22	32.5	39.16	21	32.5	G0 L	C7	1866	C -34 1961
10	11.0	10.0W	54 0.938	0.0074	21	-30 56 0.91	-0.194	21	0.42	0.808	22	32.5	57.51	21	32.5	K5 L	C7	1867	C -31 2107
11	9.4	9.6W	54 23.423	-0.0020	21	-31 40 7.84	-0.024	21	0.42	23.459	22	32.5	7.42	21	32.5	A0	C7	1868	C -31 2111
12	10.6	10.0W	54 24.931	-0.0011	21	-34 27 47.27	0.033	21	0.42	24.951	22	32.5	47.85	21	32.5	G5 L	C7	1869	C -34 1964
13		7.9T	54 27.619	-0.0006	12	-39 1 4.73	-0.017	11	0.63	27.649	18	99.5	3.79	21	95.8	K2	GC	6039	C*-39 1708
14	9.1	8.9W	54 29.614	-0.0047	21	-30 18 59.16	-0.107	21	0.42	29.697	22	32.5	57.28	21	32.5	F5	C7	1870	C -30 2081
15	10.0	10.0W	54 38.047	-0.0013	21	-32 38 40.37	0.004	21	0.42	38.070	22	32.5	40.44	21	32.5	F8	C7	1871	C -32 2048
16	9.9	9.0W	54 38.903	0.0009	21	-31 47 3.77	0.008	21	0.42	38.889	22	32.5	3.92	21	32.5	K0	C7	1872	C -31 2112
17	10.5	9.9W	54 39.920	-0.0021	21	-30 26 3.70	-0.012	21	0.42	39.957	22	32.5	3.49	21	32.5	G5 L	C7	1873	C -30 2083
18	10.5	10.3W	54 45.407	-0.0013	21	-33 4 22.05	-0.001	21	0.42	45.430	22	32.5	22.04	21	32.5	F8 L	C7	1874	C -33 2014
19	10.5		54 49.413	0.0004	13	-36 29 42.17	0.006	13	0.26	49.408	15	36.0	42.25	21	36.0	G0 L	C8	1768	C -36 1963
20	9.7	9.3W	54 54.644	0.0031	21	-33 28 30.68	0.032	21	0.42	54.590	22	32.5	31.24	21	32.5	G0	C7	1875	C -33 2016
21	10.4	9.4W	54 56.690	0.0001	21	-31 20 19.06	-0.014	21	0.42	56.688	22	32.5	18.81	21	32.5	K5	C7	1876	C -31 2116
22	9.6	8.9W	55 3.987	-0.0002	21	-33 32 26.67	0.016	21	0.42	3.991	22	32.5	26.95	21	32.5	K0	C7	1877	C -33 2019
23	10.3	9.5W	55 5.761	0.0016	18	-37 49 35.91	0.003	18	0.31	5.738	15	36.0	35.95	21	36.0	G5	C8	1769	C -37 1964
24	9.7	8.8W	55 12.384	0.0074	13	-39 31 39.26	-0.008	13	0.26	12.280	15	36.0	39.15	21	36.0	K2	C8	1770	C -39 1714
25	9.1	8.4W	55 14.934	-0.0026	21	-33 22 50.04	0.063	21	0.42	14.980	22	32.5	51.14	21	32.5	G5	C7	1878	C -33 2020
26	9.7	8.4W	55 17.369	0.0017	21	-33 14 16.61	0.019	21	0.42	17.340	22	32.5	16.94	21	32.5	K2	C7	1879	C -33 2022
27	9.0	8.8W	55 17.889	-0.0030	13	-39 55 54.36	-0.022	13	0.26	17.930	15	36.0	54.05	21	36.0	G0	C8	1771	C -40 1659
28	10.3	9.8W	55 21.731	-0.0055	21	-31 57 39.83	-0.018	21	0.42	21.829	22	32.5	39.52	21	32.5	G5	C7	1880	C -32 2054
29	10.2	10.0W	55 23.340	-0.0005	21	-30 44 13.67	-0.009	21	0.42	23.348	22	32.5	13.51	21	32.5	F8 L	C7	1881	C -30 2091
30	10.5	9.2W	55 32.204	0.0012	13	-35 54 20.80	0.004	13	0.26	32.188	15	36.0	20.85	21	36.0	K1 L	C8	1772	C -36 1972
31	9.4	8.9W	55 36.519	0.0029	09	-37 58 21.74	-0.235	09	0.22	36.478	15	36.0	18.45	21	36.0	G0	C8	1774	C -38 1809
32	10.5		55 40.761	-0.0019	23	-35 55 17.15	-0.057	23	0.37	40.787	15	36.0	16.35	21	36.0	G2 L	C8	1775	C -36 1974
33	10.8	10.1W	55 47.835	-0.0026	21	-34 25 10.56	0.022	21	0.42	47.881	22	32.5	10.95	21	32.5	G5 L	C7	1882	C -34 1976
34	10.3	10.3W	55 49.128	-0.0005	21	-30 18 40.10	-0.018	21	0.42	49.137	22	32.5	39.79	21	32.5	F5 L	C7	1883	C -30 2093
35	9.2	7.7W	55 52.878	-0.0001	21	-33 8 39.48	-0.008	21	0.42	52.880	22	32.5	39.34	21	32.5	K2	C7	1884	C -33 2027
36		7.7T	55 57.304	0.0025	13	-34 58 5.69	0.036	12	0.62	57.184	17	02.5	7.47	17	00.9	K0	GC	6069	C*-35 2023
37	9.8	8.9W	55 58.972	-0.0003	13	-35 15 56.35	0.029	13	0.26	58.977	15	36.0	56.75	21	36.0	K5	C8	1776	C -35 2024
38	10.2		55 59.616	-0.0009	18	-37 24 22.45	0.029	18	0.31	59.629	15	36.0	22.85	21	36.0	F2 L	C8	1777	C -37 1966
39	10.6	9.8W	56 1.582	-0.0014	21	-30 18 34.70	0.022	21	0.42	1.607	22	32.5	35.08	21	32.5	K2 L	C7	1886	C -30 2097
40	10.2	9.5W	56 3.227	-0.0013	21	-32 53 18.80	0.008	21	0.42	3.250	22	32.5	18.94	21	32.5	K0	C7	1887	C -32 2061
41	10.6		56 7.254	0.0053	18	-38 35 32.65	0.036	18	0.31	7.179	15	36.0	33.15	21	36.0	G2 L	C8	1778	C -38 1815
42	10.9	10.3W	56 11.493	-0.0031	21	-32 11 27.20	0.018	21	0.42	11.548	22	32.5	27.52	21	32.5	G5 L	C7	1888	C -32 2063
43	9.6	8.9W	56 19.625	0.0015	21	-31 2 4.67	0.020	21	0.42	19.598	22	32.5	5.01	21	32.5	K0	C7	1889	C -31 2122
44	9.2	8.2W	56 19.677	-0.0013	21	-32 54 7.81	0.047	21	0.42	19.700	22	32.5	8.64	21	32.5	K2	C7	1890	C -33 2029
45	9.3	9.2W	56 24.359	-0.0004	21	-30 29 30.86	-0.016	21	0.42	24.367	22	32.5	30.58	21	32.5	F2	C7	1891	C -30 2104
46	9.1	9.1W	56 30.433	-0.0004	21	-33 45 40.92	0.030	21	0.42	30.441	22	32.5	41.45	21	32.5	A0	C7	1892	C -33 2034
47	10.4	9.5W	56 32.905	-0.0026	21	-33 31 47.54	0.006	21	0.42	32.951	22	32.5	47.65	21	32.5	G5	C7	1893	C -33 2035
48		10.2W	56 41.008	-0.0001	21	-32 11 12.84	-0.076	21	0.42	41.008	22	32.5	11.52	21	32.5		C7	1894	C -32 2069
49	11.0	10.4W	56 42.211	0.0019	21	-31 42 34.73	0.005	21	0.42	42.178	22	32.5	34.82	21	32.5		C7	1895	C*-31 2124
50	10.6	9.7W	56 43.240	-0.0005	21	-31 11 55.15	-0.002	21	0.42	43.248	22	32.5	55.11	21	32.5	K0 L	C7	1896	C -31 2125
51	11.4	10.1W	4 56 44.529	-0.0018	21	-34 26 17.75	0.034	21	0.42	44.561	22	32.5	18.35	21	32.5		C7	1897	C -34 1984
52	9.6	9.2W	56 44.996	0.0039	21	-31 43 1.17	0.014	21	0.42	44.928	22	32.5	1.42	21	32.5	G5	C7	1898	C -31 2126
53	10.2	9.9W	56 47.613	0.0010	13	-37 54 35.64	-0.006	13	0.26	47.598	15	36.0	35.55	21	36.0	G0	C8	1781	C -38 1822
54	10.3		57 21.477	-0.0057	13	-35 8 37.88	0.098	13	0.26	21.557	15	36.0	39.25	21	36.0	G0	C8	1783	C -35 2040
55		6.7T	57 26.043	0.0026	13	-32 18 48.99	0.032	12	0.65	25.914	17	00.8	50.59	17	99.2	K0	GC	6096	C -32 2078
56	9.6	8.9W	57 30.768	0.0036	13	-35 44 41.56	0.035	13	0.26	30.717	15	36.0	42.05	21	36.0	K0	C8	1784	C -35 2041
57	9.9	9.9W	57 32.857	-0.0047	21	-33 2 56.52	-0.016	21	0.42	32.940	22	32.5	56.24	21	32.5	F8	C7	1900	C -33 2040
58		7.0T	57 35.266	-0.0063	12	-36 56 47.49	0.137	12	0.59	35.568	15	02.0	53.60	18	05.3	F5	GC	6103	C*-37 1977
59	10.2	10.3W	57 37.000	-0.0022	21	-30 43 45.56	0.003	21	0.42	37.038	22	32.5	45.61	21	32.5	F0 L	C7	1901	C -30 2119
60	10.2	10.0W	57 38.172	-0.0045	21	-33 39 36.63	-0.033	21	0.42	38.251	22	32.5	36.05	21	32.5	G5	C7	1902	C -33 2043
61	10.2	9.8W	57 43.549	-0.0001	13	-39 56 54.43	-0.027	13	0.26	43.550	15	36.0	54.05	21	36.0	G0	C8	1786	C -40 1676
62	10.7	9.9W	57 50.143	-0.0008	21	-30 26 32.09	0.040	21	0.42	50.157	22	32.5	32.79	21	32.5	G5 L	C7	1903	C -30 2120
63	10.2	9.9W	57 53.800	-0.0027	21	-32 9 4.65	-0.025	21	0.42	53.848	22	32.5	4.22	21	32.5	G0	C7	1904	C -32 2080
64	9.6	9.4W	57 56.430	0.0011	21	-34 11 45.31	-0.015	21	0.42	56.411	22	32.5	45.05	21	32.5	F5	C7	1905	C -34 1996
65	9.7	9.4W	57 57.784	0.0024	13	-39 30 45.33	0.009	13	0.26	57.750	15	36.0	45.45	21	36.0	F8	C8	1787	C -39 1731
66	10.5	9.7W	58 4.943	-0.0004	18	-38 6 39.53	-0.034	18	0.31	4.948	15	36.0	39.05	21	36.0	G	C8	1788	C -38 1831
67		7.9T	58 5.589	-0.0003	15	-36 41 50.53	-0.009	11	0.67	5.603	17	02.3	50.06	18	98.7	K0	GC	6113	C -36 1995
68	10.1	9.7W	58 9.659	0.0028	21	-32 28 15.28	0.058	21	0.43	9.608	22	32.1	16.32	21	32.1	G0	C7	1906	C -32 2084
69		7.9T	58 11.275	-0.0006	15	-34 14 24.35	0.007	13	0.72	11.302	19	01.6	24.72	18	99.4	A0	GC	6117	C -34 1998
70	9.3	8.9W	58 13.152	-0.0012	13	-36 53 21.18	0.034	13	0.26	13.168	15	36.0	21.65	21	36.0	F5	C8	1790	C -36 1997
71	10.3	9.2W	58 14.445	-0.0009	23	-36 19 22.32	0.038	23	0.37	14.457	15	36.0	22.85	21	36.0	K2	C8	1791	C -36 1996
72	9.6	9.0W	58 17.823	-0.0064	21	-31 46 22.23	-0.202	21	0.43	17.938	22	32.1	18.62	21	32.1	G0	C7	1908	C -31 2137
73	10.5	10.2W	58 23.191	-0.0009	21	-31 35 15.25	0.026	21	0.43	23.208	22	32.1	15.72	21	32.1	G0 L	C7	1909	C -31 2138
74	10.9		58 23.871	-0.0012	18	-36 3 1.90	-0.103	18	0.31	23.887	15	36.0	0.45	21	36.0	G8 L	C8	1793	C -36 1999
75	11.0	10.2W	58 24.154	-0.0014	21	-30 41 10.25	-0.002	21	0.43	24.178	22	32.1	10.21	21	32.1	G5 L	C7	1910	C -30 2125
76	10.8	10.1W	58 26.753	-0.0025	21	-32 25 19.26	-0.036	21	0.43	26.799	22	32.1	18.62	21	32.1	K0 L	C7	1911	C -32 2087
77	9.8	8.9W	58 28.464	0.0018	13	-38 4 3.26	-0.022	13	0.26	28.438	15	36.0	2.95	21	36.0	G5	C8	1794	C -38 1835
78	8.1	8.2W	58 30.601	-0.0026	21	-31 53 11.63	-0.012	21	0.43	30.649	22	32.1	11.42	21	32.1	A0	C7	1912	C -32 2088
79	10.0	9.1W	58 33.906	-0.0044	13	-35 49 33.68	0.012	13	0.26	33.968	15	36.0	33.85	21	36.0	K0	C8	1795	C -35 2052
80	10.7	10.1W	58 35.351	-0.0078	21	-34 24 54.53	0.163	21	0.43	35.491	22	32.1	57.45	21	32.1	G5 L	C7	1913	C -34 2002
81	11.0	10.9W	58 42.999	-0.0022	21	-31 4 17.41	0.045	21	0.43	43.038	22	32.1	18.21	21	32.1	A8 L	C7	1914	C -31 2141
82	11.3	10.8W	58 46.837	-0.0029	21	-31 3 42.57	0.014	21	0.43	46.888	22	32.1	42.81	21	32.1	G0 L	C7	1915	C -31 2143
83		8.1T	58 52.623	-0.0012	12	-39 45 29.96	0.013	12	0.64	52.684	17	99.5	30.64	18	97.0	K0	GC	6134	C*-39 1736
84		7.9T	59 1.358	-0.0008	12	-35 4 22.92	0.031	11	0.63	1.349	17	99.4	24.58	17	95.9	F5	GC	6145	C -35 2058
85	10.6	9.8W	59 11.529	0.0062	21	-31 16 58.86	0.031	21	0.43	11.418	22	32.1	59.41	21	32.1	G5 L	C7	1916	C -31 2147
86	10.6	9.3W	59 18.937	-0.0005	21	-31 43 9.14	-0.029	21	0.43	18.929	22	32.1	8.62	21	32.1	K2 L	C7	1917	C -31 2149
87	10.3	10.1W	59 19.564	-0.0036	21	-31 19 31.98	0.030	21	0.43	19.628	22	32.1	32.51	21	32.1	A5 L	C7	1918	C -31 2148
88	10.3	9.9W	59 20.246	-0.0011	21	-30 8 56.24	-0.031	21	0.43	20.227	22	32.1	55.69	21	32.1	G	C7	1919	C -30 2142
89	10.6	10.2W	59 20.657	-0.0078	21	-30 9 39.07	0.001	21	0.43	20.797	22	32.1	39.08	21	32.1		C7	1921	C -30 2143
90	9.9	9.1W	59 23.832	0.0019	21	-31 44 37.67	0.014	21	0.43	23.799	22	32.1	37.92	21	32.1	K0	C7	1922	C -31 2151
91	9.0	7.9W	59 26.873	0.0025	21	-31 27 55.43	0.005	21	0.43	26.828	22	32.1	55.51	21	32.1	K0	C7	1923	C -31 2152
92	10.5	9.7W	59 27.291	-0.0006	21	-34 47 18.61	0.053	21	0.43	27.302	22	32.1	19.56	21	32.1	G5	C7	1924	C -34 2011
93	10.4	10.1W	59 28.578	-0.0041	21	-34 31 8.72	-0.009	21	0.43	28.652	22	32.1	8.56	21	32.1	G2 L	C7	1925	C -34 2010
94	9.0	8.1W	59 32.054	-0.0007	21	-30 18 21.63	-0.036	21	0.43	32.067	22	32.1	20.99	21	32.1	K0	C7	1926	C -30 2146
95	10.5	9.6W	59 38.195	-0.0026	21	-34 52 34.00	0.031	21	0.43	38.242	22	32.1	34.56	21	32.1	K0	C7	1927	C -34 2012
96	9.6	8.8W	59 38.299	0.0006	21	-31 28 41.19	-0.010	21	0.43	38.288	22	32.1	41.01	21	32.1	G0	C7	1928	C -31 2156
97	11.1	10.5W	59 39.524	-0.0019	21	-31 47 24.04	0.004	21	0.43	39.558	22	32.1	24.12	21	32.1	G0 L	C7	1929	C -31 2157
98	10.0	9.7W	59 44.974	-0.0030	18	-35 27 4.19	-0.031	18	0.31	45.017	15	36.0	3.75	21	36.0	G0	C8	1798	C -35 2064
99		8.0T	59 45.325	0.0002	13	-38 59 31.04	0.015	12	0.67	45.314	18	99.5	31.83	19	96.1	K0	GC	6151	C -39 1743
00	9.6	9.2W	59 54.232	-0.0005	18	-37 53 58.46	0.021	18	0.31	54.238	15	36.0	58.75	21	36.0	F8	C8	1800	C -38 1846

195500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		CAT	STAR NUMBER	DM NUMBER
1		6.0T	4 59 54.530	-0.0008	05	-39 47 23.03	-0.031	04	0.24	54.567	19	04.2	24.54	10	01.0	G5		GC	6156	C -39 1744
2	10.5	10.1W	5 0 8.863	-0.0013	21	-30 26 48.15	-0.015	21	0.43	+.887	22	32.1	47.88	21	32.1	G2	L	C7	1937	C -30 2154
3		7.5T	0 9.355	-0.0021	14	-37 2 55.41	-0.056	11	0.68	9.250	21	00.4	52.36	19	95.6	G0		GC	6161	C -37 1993
4	9.0	8.7W	0 12.213	-0.0039	13	-37 6 39.21	-0.017	13	0.26	12.159	15	36.0	39.45	21	36.0	G0		C8	1803	C -37 1994
5		7.2T	0 13.134	-0.0017	13	-31 25 8.40	-0.021	13	0.70	13.049	19	99.8	7.31	19	98.8	K0		GC	6164	C -31 2161
6	9.2	9.2W	0 17.377	0.0005	21	-32 13 3.57	0.008	21	0.43	17.369	22	32.1	3.72	21	32.1	F2		C7	1932	C -32 2102
7		8.1T	0 19.387	0.0003	09	-39 8 54.84	0.033	08	0.41	19.374	15	07.9	56.26	17	06.6	A2		GC	6168	C -39 1749
8	10.1	9.4W	0 24.515	-0.0018	21	-31 45 59.06	-0.009	21	0.43	24.548	22	32.1	58.92	21	32.1	G5		C7	1933	C -31 2162
9		6.0M	0 29.178	-0.0007	03	-31 50 34.61	0.083	03	0.12	29.200	06	19.2	37.03	06	20.7	K0		F4	1139	C -31 2163
10	10.7	10.6W	0 32.144	-0.0054	21	-34 29 4.07	-0.024	21	0.43	32.241	22	32.1	3.65	21	32.1	F5	L	C7	1935	C -34 2019
11	10.6	10.2W	0 36.258	-0.0013	21	-33 36 20.45	0.011	21	0.43	36.281	22	32.1	20.65	21	32.1	G0	L	C7	1936	C -33 2073
12	11.5	10.4W	0 37.448	-0.0028	21	-31 33 54.07	-0.014	21	0.43	37.498	22	32.1	53.82	21	32.1			C7	1937	C -31 2164
13	10.3	9.5W	0 40.115	-0.0023	21	-30 13 0.07	0.012	21	0.43	40.157	22	32.1	0.28	21	32.1	K0		C7	1938	C -30 2160
14	10.1	9.7W	0 51.498	-0.0021	08	-35 56 32.50	0.054	08	0.22	51.528	15	36.0	33.25	21	36.0	F8	L	C8	1805	C -36 2015
15	10.0	9.2W	0 51.525	0.0015	21	-30 54 21.29	-0.049	21	0.43	51.498	22	32.1	20.41	21	32.1	G5		C7	1939	C -31 2168
16	9.2	9.0W	0 52.319	-0.0023	21	-33 12 58.24	-0.017	21	0.43	52.360	22	32.1	57.94	21	32.1	F5		C7	1940	C -33 2075
17	9.8	9.6W	0 52.729	-0.0045	21	-33 13 29.19	0.008	21	0.43	52.810	22	32.1	29.34	21	32.1			C7	1941	C -33 2076
18	10.5	10.3W	0 54.703	-0.0026	21	-33 11 0.50	-0.065	21	0.43	54.750	22	32.1	59.34	21	32.1			C7	1942	C -33 2077
19	9.5	9.2W	1 1.506	-0.0029	21	-32 6 18.44	-0.046	21	0.43	1.558	22	32.1	17.62	21	32.1	F5		C7	1943	C -32 2112
20	10.7		1 6.155	-0.0053	18	-36 58 33.95	-0.014	18	0.31	6.179	15	36.0	33.75	21	36.0	G2	L	C8	1806	C -36 1852
21	10.5		1 6.927	-0.0037	18	-37 25 1.36	0.021	18	0.31	6.978	15	36.0	1.65	21	36.0	A8	L	C8	1807	C -37 2002
22	10.5	10.2W	1 17.308	-0.0030	21	-34 37 30.51	0.008	21	0.43	17.362	22	32.1	30.66	21	32.1	F8	L	C7	1944	C -34 2025
23	10.1	9.7W	1 20.194	-0.0014	21	-30 33 58.23	-0.012	21	0.43	20.218	22	32.1	58.01	21	32.1	G5		C7	1946	C -30 2167
24	10.9	10.1W	1 41.533	-0.0020	21	-31 19 20.67	-0.031	21	0.43	41.568	22	32.1	20.11	21	32.1	K0	L	C7	1947	C -31 2173
25	10.1	9.6W	1 43.672	-0.0044	21	-33 53 27.47	-0.007	21	0.43	43.751	22	32.1	27.35	21	32.1	G0		C7	1948	C -34 2032
26	10.4	9.6W	1 51.593	-0.0008	21	-32 2 51.49	-0.021	21	0.43	51.609	22	32.1	51.12	21	32.1	G5		C7	1949	C -32 2123
27	10.6		1 53.261	-0.0020	18	-36 31 43.27	-0.037	18	0.31	53.289	15	36.0	42.75	21	36.0	F5	L	C8	1808	C -36 2025
28	10.2	9.4W	1 59.210	0.0009	13	-36 8 7.61	0.003	13	0.26	59.197	15	36.0	7.65	21	36.0	K0	L	C8	1809	C -36 2026
29	10.2	10.0W	2 3.248	-0.0022	18	-37 44 29.42	0.038	18	0.31	3.278	15	36.0	29.95	21	36.0	F5	L	C8	1810	C -37 2011
30	10.9	10.2W	2 10.397	0.0006	21	-30 0 3.04	0.047	21	0.43	10.387	22	32.1	3.88	21	32.1	G5	L	C7	1950	C -30 2174
31	10.2	9.4W	2 11.662	0.0016	13	-39 19 55.81	-0.040	13	0.26	11.639	15	36.0	55.25	21	36.0	K0		C8	1811	C -39 1764
32		4.6T	2 36.381	0.0100	04	-35 33 1.69	-0.050	04	0.22	35.915	09	03.2	59.13	10	99.1	K0		GC	6212K	C*-35 2089
33	10.5	10.0W	2 38.573	-0.0014	21	-32 9 19.57	0.008	21	0.43	38.599	22	32.1	19.72	21	32.1	G5		C7	1951	C -32 2129
34		6.3T	2 38.893	0.0017	06	-35 46 25.16	0.039	05	0.27	38.819	12	05.1	27.13	12	99.0	F0		GC	6214	C -35 2090
35	9.7	9.5W	2 46.525	-0.0036	21	-32 57 49.74	0.000	21	0.43	46.590	22	32.1	49.74	21	32.1	F5		C7	1952	C -33 2093
36	9.8	9.5W	2 47.710	-0.0056	18	-37 25 44.28	0.005	18	0.31	47.789	15	36.0	44.35	21	36.0	G0		C8	1815	C -37 2017
37	9.4	9.1W	2 48.476	-0.0017	18	-38 36 32.70	-0.032	18	0.31	48.499	15	36.0	32.25	21	36.0	G5		C8	1816	C -38 1861
38	9.6	8.8W	2 49.500	0.0018	21	-31 48 58.36	0.020	21	0.43	49.469	22	32.1	58.72	21	32.1	G5		C7	1953	C -31 2183
39	10.5	9.7W	2 49.579	0.0006	21	-30 48 39.10	0.040	21	0.43	49.581	22	32.1	39.81	21	32.1	K0	L	C7	1954	C -30 2182
40	10.2	9.9W	2 49.971	0.0017	13	-36 14 39.18	-0.016	13	0.26	49.947	15	36.0	38.95	21	36.0	G0	L	C8	1817	C -36 2033
41	10.1	9.4W	2 54.716	-0.0040	21	-31 39 16.61	-0.061	21	0.43	54.789	22	32.1	15.52	21	32.1	G0		C7	1955	C -31 2185
42	10.9	10.6W	2 58.032	-0.0020	21	-31 44 35.54	-0.018	21	0.43	58.068	22	32.1	35.22	21	32.1			C7	1956	C -31 2187
43	8.7	7.7W	3 12.958	-0.0002	13	-39 37 41.93	-0.041	13	0.26	12.960	15	36.0	41.35	21	36.0	K0		C8	1819	C -39 1778
44	8.7	8.7W	3 20.264	-0.0014	21	-31 15 51.93	-0.012	21	0.43	20.288	22	32.1	51.71	21	32.1	A2		C7	1957	C -31 2188
45	10.4	9.9W	3 26.578	-0.0012	21	-32 46 17.01	-0.077	21	0.43	26.600	22	32.1	15.64	21	32.1	K0	L	C7	1958	C -32 2135
46	10.6	9.3W	3 29.831	-0.0016	21	-33 12 51.69	0.014	21	0.43	29.860	22	32.1	51.94	21	32.1			C7	1959	C -33 2102
47	11.5	10.6W	3 40.359	-0.0034	21	-32 53 59.51	0.007	21	0.43	40.420	22	32.1	59.64	21	32.1			C7	1960	C -33 2105
48	10.3	9.8W	3 45.312	-0.0039	21	-34 52 53.24	-0.083	21	0.43	45.382	22	32.1	51.76	21	32.1	G5	L	C7	1961	C -34 2056
49	11.1	10.7W	3 49.431	-0.0038	21	-31 1 4.38	0.041	21	0.43	49.498	22	32.1	5.11	21	32.1			C7	1962	C -31 2193
50	9.7	8.9W	3 52.430	-0.0011	21	-32 39 54.52	0.023	21	0.43	52.450	22	32.1	54.94	21	32.1	K0		C7	1963	C -32 2138
51	10.7	10.4W	5 3 54.577	0.0016	21	-31 2 17.43	-0.012	21	0.43	54.548	22	32.1	17.21	21	32.1	F8	L	C7	1964	C -31 2195
52	10.2	10.0W	3 59.765	-0.0041	21	-31 8 39.76	0.020	21	0.43	59.830	22	32.1	40.11	21	32.1	A5		C7	1965	C -31 2197
53	10.5	10.0W	4 3.209	-0.0011	21	-31 3 25.00	-0.016	21	0.43	3.228	22	32.1	24.71	21	32.1	F0		C7	1966	C -31 2198
54	10.3	9.4W	4 5.273	0.0002	21	-32 27 14.61	-0.022	21	0.43	5.268	22	32.1	14.22	21	32.1	K0	L	C7	1967	C -32 2141
55	9.9	9.0W	4 6.043	-0.0026	21	-33 10 43.24	0.033	21	0.43	6.090	22	32.1	43.64	21	32.1	K0	L	C7	1968	C -33 2114
56	9.2	8.9W	4 6.592	0.0029	21	-33 7 1.28	0.003	21	0.43	6.540	22	32.1	1.34	21	32.1	F2		C7	1969	C -33 2116
57	9.4	9.1W	4 11.513	0.0017	13	-39 26 55.40	-0.039	13	0.26	11.489	15	36.0	54.85	21	36.0	F5		C8	1822	C -39 1785
58	10.4	9.3W	4 13.930	-0.0023	21	-33 30 31.56	0.006	21	0.43	13.971	22	32.1	31.65	21	32.1	K5	L	C7	1970	C -33 2119
59	10.8	10.5W	4 18.479	-0.0021	21	-30 28 30.94	-0.020	21	0.43	18.517	22	32.1	30.59	21	32.1	F8	L	C7	1971	C -30 2192
60	9.7	8.6W	4 19.761	0.0002	09	-38 1 43.12	-0.012	09	0.22	19.758	15	36.0	42.95	21	36.0	K0		C8	1823	C -38 1877
61	9.4	9.1W	4 31.223	-0.0011	09	-38 12 19.11	-0.090	09	0.22	31.238	15	36.0	17.85	21	36.0	F5		C8	1826	C -38 1880
62		8.0T	4 34.566	-0.0004	15	-35 5 33.78	0.008	12	0.70	34.586	17	01.8	34.17	18	99.9	F2		GC	6257	C*-35 2106
63	9.6	9.3W	4 39.646	-0.0041	21	-32 47 26.42	0.012	21	0.43	39.720	22	32.1	26.64	21	32.1	F0		C7	1972	C -32 2146
64	9.5	8.2W	5 7.514	0.0004	18	-37 15 7.49	0.019	18	0.31	7.509	15	36.0	7.75	21	36.0	K0		C8	1828	C -37 2036
65	10.5	9.9W	5 20.166	0.0004	10	-39 42 35.61	0.010	10	0.23	20.160	15	36.0	35.75	21	36.0	G5	L	C8	1829	C -39 1789
66	10.3	9.0W	5 20.619	0.0006	21	-31 22 30.15	0.004	21	0.43	20.608	22	32.1	30.21	21	32.1	K0		C7	1973	C -31 2209
67	10.2	9.3W	5 21.426	0.0018	09	-39 42 55.78	-0.016	09	0.22	21.400	15	36.0	55.55	21	36.0	K0		C8	1830	C -39 1790
68	10.1	8.5W	5 22.720	0.0001	13	-37 45 55.46	-0.043	13	0.26	22.718	15	36.0	54.85	21	36.0	K2		C8	1831	C -37 2038
69	11.0	10.3W	5 28.869	-0.0039	21	-30 37 8.63	-0.012	21	0.43	28.938	22	32.1	8.41	21	32.1	K0	L	C7	1974	C -30 2203
70	10.2	9.7W	5 36.671	-0.0043	21	-32 3 34.83	-0.001	21	0.43	36.748	22	32.1	34.82	21	32.1	K0	L	C7	1975	C -32 2157
71	9.9	9.8W	5 38.405	-0.0002	21	-30 41 34.92	-0.000	21	0.43	38.408	22	32.1	34.91	21	32.1	F5		C7	1976	C -30 2205
72	9.4	9.1W	5 48.116	0.0025	21	-34 3 29.66	0.016	21	0.43	48.071	22	32.1	29.95	21	32.1	F5		C7	1977	C -34 2080
73	10.5	9.7W	5 48.399	-0.0022	21	-31 8 8.20	0.012	21	0.43	48.438	22	32.1	8.41	21	32.1	K0	L	C7	1978	C -31 2214
74	10.6	10.2W	5 51.686	-0.0063	21	-30 50 12.84	0.038	21	0.43	51.798	22	32.1	13.51	21	32.1	G0	L	C7	1979	C -30 2208
75	10.8	10.0W	5 54.934	-0.0030	21	-32 13 1.42	-0.028	21	0.43	54.989	22	32.1	0.92	21	32.1			C7	1980	C -32 2161
76	10.9	9.8W	6 2.263	-0.0019	18	-38 30 16.53	0.009	18	0.31	2.289	15	36.0	16.65	21	36.0	K0	L	C8	1832	C -38 1888
77	10.0	9.9W	6 5.728	-0.0043	18	-37 42 12.39	0.019	18	0.31	5.788	15	36.0	12.65	21	36.0	F0		C8	1833	C -37 2044
78	10.9	10.3W	6 12.840	-0.0033	21	-30 35 33.33	0.027	21	0.43	12.898	22	32.1	33.81	21	32.1	G0	L	C7	1981	C -30 2211
79	9.9	9.5W	6 13.264	0.0048	13	-35 17 12.71	-0.064	13	0.26	13.197	15	36.0	12.65	21	36.0	G5		C8	1835	C -35 2121
80	8.7	8.6W	6 14.334	0.0031	13	-39 37 40.73	-0.027	13	0.26	14.290	15	36.0	40.35	21	36.0	F2		C8	1836	C -39 1797
81		6.4T	6 27.854	0.0002	09	-35 46 54.11	0.002	07	0.46	27.841	17	97.8	54.20	14	97.0	G5		GC	6296	C*-35 2126
82	10.7	9.9W	6 29.128	0.0007	23	-36 40 45.91	0.010	23	0.37	29.118	15	36.0	46.05	21	36.0	K1	L	C8	1838	C -36 2062
83	10.9	10.2W	6 31.095	-0.0019	21	-30 52 5.66	0.031	21	0.43	31.128	22	32.1	6.21	21	32.1	G5	L	C7	1982	C -30 2212
84	9.7	9.2W	6 33.356	0.0005	13	-39 3 51.49	-0.017	13	0.26	33.349	15	36.0	51.25	21	36.0	F8		C8	1839	C -39 1799
85	10.5	9.7W	6 35.363	-0.0021	21	-33 58 10.94	0.073	21	0.43	35.401	22	32.1	12.25	21	32.1	G0		C7	1983	C -34 2088
86	10.5	9.8W	6 41.307	-0.0034	21	-32 9 37.09	0.007	21	0.43	41.369	22	32.1	37.22	21	32.1	K0	L	C7	1984	C -32 2171
87	10.2	9.9W	6 49.555	-0.0013	21	-30 46 56.34	0.049	21	0.43	49.578	22	32.1	57.21	21	32.1	F5	L	C7	1985	C -30 2216
88	9.5	9.4W	6 49.702	-0.0019	21	-30 13 35.72	-0.002	21	0.43	49.737	22	32.1	35.69	21	32.1	F2		C7	1986	C -30 2215
89		9.8W	6 50.475	-0.0004	21	-32 19 47.82	0.078	21	0.43	50.478	22	32.1	49.22	21	32.1	K0	L	C7	1987	C -32 2172
90	8.5	8.6W	6 51.567	-0.0002	21	-33 49 34.10	0.053	21	0.43	51.571	22	32.1	35.05	21	32.1	A2		C7	1988	C -33 2136
91	10.3	9.4W	6 53.072	-0.0018	09	-36 5 25.98	-0.016	09	0.22	53.098	15	36.0	25.75	21	36.0	K1	L	C8	1841	C -36 2065
92	10.5	9.7W	6 54.015	0.0010	21	-32 7 23.96	-0.047	21	0.43	53.998	22	32.1	23.12	21	32.1	F2		C7	1989	C -32 2173
93	9.1	8.9W	6 55.637	-0.0024	21	-33 21 35.04	0.000	21	0.43	55.680	22	32.1	35.04	21	32.1	F2		C7	1990	C -33 2137
94	9.8	8.4W	6 57.994	-0.0046	21	-34 34 48.52	0.041	21	0.43	57.912	22	32.1	49.26	21	32.1	MC		C7	1991	C -34 2092
95	10.9	10.6W	7 11.155	-0.0019	21	-30 36 34.42	0.011	21	0.43	11.188	22	32.1	34.61	21	32.1	G0	L	C7	1992	C -30 2220
96	9.5	9.2W	7 16.923	-0.0004	11	-36 31 38.50	0.011	11	0.24	16.928	15	36.0	38.65	21	36.0	F5		C8	1843	C -36 2067
97	9.6	9.3W	7 18.678	-0.0001	21	-32 23 55.96	-0.047	21	0.43	18.679	22	32.1	55.12	21	32.1	G0		C7	1993	C -32 2176
98	10.4	9.5W	7 20.263	0.0003	07	-36 36 17.28	-0.023	07	0.21	20.259	15	36.0	16.95	21	36.0	G5		C8	1844	C -36 2068
99	9.8	9.4W	7 21.029	-0.0011	21	-31 9 20.95	0.015	21	0.43	21.048	22	32.1	21.21	21	32.1	F8		C7	1994	C -31 2236
00	10.5	10.4W	7 23.165	-0.0029	21	-30 14 41.54	-0.003	21	0.43	23.217	22	32.1	41.49	21	32.1	F0	L	C7	1995	C -30 2222

195600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 5H DM NUMBE
1	9.8	8.9W	5 7 24.147	0.0014	07	-35 42 4.24	-0.006	07	0.21	24.128	15	36.0	4.15	21	36.0	K0	C8	1846	C -35 2138
2	9.8	8.5W	7 27.340	-0.0040	21	-34 35 4.91	-0.003	21	0.43	27.412	22	32.1	4.86	21	32.1	K5	C7	1996	C*-34 2102
3	9.9	9.6W	7 32.228	0.0021	08	-36 39 11.51	-0.018	08	0.22	32.198	15	36.0	11.25	21	36.0	G0	C8	1847	C -36 2070
4	10.9	9.2W	7 32.710	0.0001	13	-38 16 58.19	-0.031	13	0.26	32.708	15	36.0	57.75	21	36.0	K5 L	C8	1848	C -38 1904
5	8.8	8.7W	7 36.972	-0.0021	21	-32 56 8.02	0.018	21	0.43	37.010	22	32.1	8.34	21	32.1	A5	C7	1997	C -33 2144
6	10.5	9.7W	7 45.465	-0.0009	21	-33 58 17.81	0.013	21	0.43	45.481	22	32.1	18.05	21	32.1	K2 L	C7	1998	C -34 2106
7	10.5	9.6W	7 46.676	-0.0069	21	-32 59 8.10	0.058	21	0.43	46.800	22	32.1	9.14	21	32.1		C7	1999	C -33 2145
8	9.7	9.8W	7 47.611	-0.0021	21	-30 59 17.07	0.064	21	0.43	47.648	22	32.1	18.21	21	32.1	A0	C7	2000	C -31 2239
9	9.6	9.2W	7 49.135	-0.0003	13	-39 16 1.52	-0.055	13	0.26	49.139	15	36.0	0.75	21	36.0	F8	C8	1850	C -39 1809
10	9.2	7.8W	7 54.298	-0.0007	21	-33 34 57.10	-0.020	21	0.43	54.311	22	32.1	56.75	21	32.1	K5	C7	2001	C -33 2148
11	9.8	9.4W	8 0.432	-0.0022	21	-34 53 57.76	-0.112	21	0.43	0.472	22	32.1	55.75	21	32.1	G5 L	C7	2002	C -34 2109
12	10.0	9.6W	8 10.316	0.0027	18	-38 26 58.16	-0.043	18	0.31	10.278	15	36.0	57.55	21	36.0	F8	C8	1853	C -38 1909
13	9.9	8.8W	8 14.002	-0.0010	11	-35 21 44.94	-0.006	11	0.24	14.017	15	36.0	44.85	21	36.0	G5	C8	1854	C -35 2144
14	7.8	7.9W	8 14.998	-0.0034	21	-31 24 36.57	-0.003	21	0.43	15.058	22	32.1	36.51	21	32.1	A0	C7	2003	C -31 2244
15	9.1	9.0W	8 15.572	-0.0027	21	-33 50 26.15	0.011	21	0.43	15.621	22	32.1	26.35	21	32.1	F0	C7	2004	C -33 2151
16	9.2	7.9W	8 34.892	-0.0020	21	-32 7 12.60	0.029	21	0.43	34.928	22	32.1	13.12	21	32.1	K2	C7	2005	C -32 2188
17	10.3	10.3W	8 35.613	-0.0011	18	-37 51 8.73	-0.027	18	0.31	35.628	15	36.0	8.35	21	36.0	G2 L	C8	1855	C -37 2057
18	9.5	9.2W	8 44.377	-0.0033	21	-30 8 48.32	-0.041	21	0.43	44.436	22	32.1	47.59	21	32.1	F0	C7	2006	C -30 2229
19	9.0	8.2W	8 52.555	0.0003	21	-32 54 4.35	-0.001	21	0.43	52.550	22	32.1	4.34	21	32.1	K0	C7	2007	C -32 2193
20	9.5	9.2W	8 54.539	-0.0016	21	-32 17 44.39	0.057	21	0.43	54.568	22	32.1	45.42	21	32.1	F8	C7	2008	C -32 2192
21		8.0T	8 56.014	-0.0010	13	-36 20 7.08	0.002	12	0.65	56.065	17	01.1	7.17	18	98.3	B9	GC	6355	C -36 2080
22	10.7	10.2W	9 2.873	-0.0031	21	-30 53 42.61	0.101	21	0.43	2.928	22	32.1	44.41	21	32.1	G5 L	C7	2009	C -30 2231
23	10.1	10.0W	9 5.574	-0.0025	21	-30 58 24.76	0.031	21	0.43	5.618	22	32.1	25.31	21	32.1	F0	C7	2010	C -31 2256
24	10.1	8.6W	9 7.631	0.0012	21	-32 40 30.22	0.001	21	0.43	7.610	22	32.1	30.24	21	32.1	K5	C7	2011	C -32 2194
25		7.2T	9 10.859	0.0026	16	-34 57 50.78	0.008	11	0.66	10.739	15	04.2	51.18	15	01.5	K2	GC	6362	C*-35 2154
26	10.0	9.7W	9 12.504	-0.0065	21	-33 44 16.92	0.029	21	0.43	12.621	22	32.1	17.45	21	32.1	F5	C7	2013	C -33 2163
27	10.3	9.9W	9 15.288	-0.0015	18	-36 57 12.67	0.006	18	0.31	15.309	15	36.1	12.75	21	36.1	G0	C8	1860	C -37 2067
28	10.5	9.7W	9 28.961	0.0002	21	-31 49 18.07	0.008	21	0.43	28.958	22	32.1	18.22	21	32.1	K0 L	C7	2014	C -31 2260
29	9.5	8.5W	9 29.475	0.0010	21	-31 58 6.20	0.023	21	0.43	29.458	22	32.1	6.62	21	32.1	K0	C7	2015	C -32 2197
30	10.1	9.9W	9 32.936	0.0004	21	-30 56 47.82	0.050	21	0.43	32.928	22	32.1	48.71	21	32.1	A5	C7	2016	C -31 2262
31		7.1T	9 34.377	0.0022	09	-30 17 6.39	-0.019	08	0.52	34.260	15	96.4	7.51	18	91.7	F5	GC	6368	C*-30 2232
32	9.7	9.8W	9 35.050	0.0007	13	-39 55 58.16	-0.051	13	0.26	35.040	15	36.1	57.45	21	36.1	F5	C8	1861	C -40 1773
33	9.6	8.3W	9 36.017	-0.0001	07	-36 32 19.86	-0.015	07	0.21	36.018	15	36.1	19.65	21	36.1	K2	C8	1862	C -36 2090
34	8.6	8.2W	9 39.760	-0.0023	21	-33 56 21.80	0.025	21	0.43	39.801	22	32.1	22.25	21	32.1	G5	C7	2018	C -34 2120
35	10.6	9.8W	9 40.785	-0.0013	21	-31 23 55.61	0.017	21	0.43	40.808	22	32.1	55.91	21	32.1	G5 L	C7	2019	C -31 2264
36	10.1	9.8W	9 40.982	-0.0012	23	-36 44 28.58	0.070	23	0.37	40.998	15	36.1	29.55	21	36.1	F5	C8	1863	C -36 2092
37	9.9	8.4W	9 45.163	-0.0026	07	-38 59 36.13	0.016	07	0.21	45.199	15	36.1	36.35	21	36.1	K2	C8	1864	C -39 1829
38	9.1	9.0W	9 50.952	-0.0009	21	-32 23 44.22	0.000	21	0.43	50.969	22	32.1	44.22	21	32.1	F0	C7	2020	C -32 2201
39		6.6T	9 52.113	0.0000	14	-37 27 17.03	0.005	12	0.68	52.113	21	02.6	17.27	19	00.0	K5	GC	6371	C -37 2071
40	10.0	9.1W	9 57.643	-0.0011	11	-36 46 53.77	0.006	11	0.24	57.659	15	36.1	53.85	21	36.1	G5	C8	1867	C -36 2093
41	10.7	10.0W	9 58.874	0.0031	21	-30 30 36.35	-0.013	21	0.43	58.818	22	32.1	36.11	21	32.1	G5 L	C7	2021	C -30 2235
42	8.7	8.5W	9 59.728	-0.0007	06	-36 26 29.29	0.091	06	0.20	59.737	15	36.1	30.55	21	36.1	F5	C8	1868	C -36 2094
43	10.4	10.1W	10 2.888	0.0011	21	-30 36 42.82	0.067	21	0.43	2.868	22	32.1	44.01	21	32.1	G2 L	C7	2022	C -30 2236
44	9.8	9.0W	10 3.212	0.0024	21	-30 31 36.83	0.005	21	0.43	3.168	22	32.1	36.91	21	32.1	K0	C7	2023	C -30 2237
45	9.3	9.2W	10 7.904	0.0041	21	-34 12 10.93	0.062	21	0.43	7.831	22	32.1	12.05	21	32.1	F2	C7	2024	C -34 2124
46	9.7	9.2W	10 15.763	0.0091	21	-33 20 33.79	0.064	21	0.43	15.600	22	32.1	34.94	21	32.1	G5	C7	2025	C -33 2176
47	10.0	9.9W	10 23.956	-0.0001	23	-35 41 44.27	-0.001	23	0.37	23.958	15	36.1	44.25	21	36.1	A3	C8	1869	C -35 2165
48	10.4	9.3W	10 29.004	0.0008	21	-33 27 13.42	0.001	21	0.43	28.990	22	32.1	13.44	21	32.1	K2	C7	2026	C -33 2180
49	10.5	9.8W	10 29.852	0.0007	21	-33 24 15.19	0.008	21	0.43	29.840	22	32.1	15.34	21	32.1	G5 L	C7	2027	C -33 2181
50	8.3	8.6W	10 31.605	-0.0012	21	-30 2 6.80	0.005	21	0.43	31.627	22	32.1	6.89	21	32.1	A0	C7	2028	C -30 2241
51	9.7	8.0W	5 10 36.023	0.0010	13	-39 7 5.53	0.009	13	0.26	36.009	15	36.1	5.65	21	36.1	K2	C8	1871	C -39 1835
52	10.8	10.4W	10 43.566	-0.0019	21	-33 28 24.25	0.027	21	0.43	43.600	22	32.1	24.74	21	32.1	G2 L	C7	2029	C -33 2184
53	9.6	9.1W	10 45.761	-0.0021	21	-31 21 58.60	-0.055	21	0.43	45.798	22	32.1	57.61	21	32.1	G0	C7	2030	C -31 2277
54	9.1	8.8W	10 46.945	-0.0009	21	-34 32 16.86	-0.006	21	0.43	46.962	22	32.1	16.76	21	32.1	G5	C7	2031	C -34 2128
55	10.0	10.0W	10 57.717	-0.0006	21	-31 54 6.29	0.007	21	0.43	57.728	22	32.1	6.42	21	32.1	A3	C7	2032	C -31 2278
56	10.1	9.5W	11 3.481	0.0059	18	-37 59 57.17	0.243	18	0.31	3.398	15	36.1	+ 0.55	21	36.1	G0	C8	1872	C -38 1931
57	10.5	9.4W	11 18.174	0.0007	21	-34 59 44.12	0.041	21	0.43	18.162	22	32.1	44.86	21	32.1	K2 L	C7	2033	C -35 2173
58	9.2	9.0W	11 19.565	0.0026	18	-37 28 35.11	0.046	18	0.31	19.529	15	36.1	35.75	21	36.1	F5	C8	1874	C -37 2081
59	10.2	10.0W	11 22.037	0.0006	21	-30 18 47.91	0.004	21	0.43	22.027	22	32.1	47.98	21	32.1	G0 L	C7	2034	C -30 2249
60	10.6	10.2W	11 27.928	0.0012	21	-30 24 30.28	0.028	21	0.43	27.907	22	32.1	30.78	21	32.1	G5 L	C7	2035	C -30 2250
61	10.6	9.6W	11 36.671	0.0001	21	-31 15 30.63	0.005	21	0.43	36.668	22	32.1	30.71	21	32.1	K5 L	C7	2036	C -31 2284
62		8.0Q	11 39.813	-0.0002	17	-31 57 41.78	-0.017	13	0.77	39.822	19	02.0	40.87	19	98.2	F2	GC	6398K	C*-32 2213
63		9.1T	11 40.055	-0.0006	18	-31 57 48.11	-0.007	15	0.83	40.082	19	02.7	47.74	19	00.7		GC	6399K	C -32 2213
64	10.1	9.2W	11 44.492	0.0013	21	-31 16 21.96	0.031	21	0.43	44.468	22	32.1	22.51	21	32.1	K0	C7	2038	C -31 2287
65		7.2T	11 44.522	-0.0018	16	-32 7 27.81	0.032	13	0.73	44.607	18	02.4	29.45	18	99.5	A3	GC	6401	C*-32 2214
66	9.5	9.5W	11 47.333	-0.0026	21	-33 4 43.21	0.024	21	0.43	47.380	22	32.1	43.64	21	32.1	A2	C7	2040	C -33 2194
67	9.2	9.2W	11 48.602	-0.0009	21	-30 36 58.37	-0.042	21	0.43	48.618	22	32.1	57.61	21	32.1	A2	C7	2041	C -30 2257
68	10.5	9.8W	11 55.081	-0.0034	18	-37 48 50.52	0.060	18	0.31	55.128	15	36.1	51.35	21	36.1	K0 L	C8	1877	C -37 2084
69		7.0T	11 59.846	0.0024	11	-35 52 54.66	-0.050	08	0.54	59.723	17	97.6	51.68	17	90.8	K0	GC	6404	C*-35 2176
70	10.7	9.8W	12 0.771	-0.0004	18	-35 21 34.46	-0.029	18	0.31	0.777	15	36.1	34.05	21	36.1	K0 L	C8	1879	C -35 2177
71	8.9	9.0W	12 5.906	-0.0036	21	-34 27 44.52	0.007	21	0.43	5.971	22	32.1	44.65	21	32.1	A3	C7	2042	C -34 2134
72	9.9	9.5W	12 11.243	-0.0048	13	-39 25 35.55	-0.007	13	0.26	11.309	15	36.1	35.45	21	36.1	G0	C8	1880	C -39 1848
73	10.5	9.8W	12 17.117	-0.0041	21	-33 55 44.51	-0.171	21	0.43	17.191	22	32.1	41.45	21	32.1	G5 L	C7	2043	C -34 2135
74	10.0	9.7W	12 21.182	-0.0004	09	-35 52 42.27	-0.116	09	0.22	21.188	15	36.1	40.65	21	36.1	G0	C8	1881	C -35 2185
75	10.0	9.2W	12 21.661	0.0011	21	-34 38 38.94	0.040	21	0.43	21.642	22	32.1	39.66	21	32.1	K0	C7	2044	C -34 2137
76	9.8	8.9W	12 24.828	0.0007	18	-38 5 39.49	-0.024	18	0.31	24.818	15	36.1	39.15	21	36.1	K0	C8	1882	C -38 1944
77	9.7	9.5W	12 26.738	-0.0012	21	-32 51 5.80	0.002	21	0.43	26.760	22	32.1	5.84	21	32.1	G0	C7	2045	C -32 2223
78	10.6	10.5W	12 27.080	-0.0009	21	-30 19 0.33	0.042	21	0.43	27.097	22	32.1	1.09	21	32.1	A3 L	C7	2046	C -30 2263
79	8.5	8.3W	12 29.349	-0.0006	21	-33 24 15.07	-0.035	21	0.43	29.360	22	32.1	14.44	21	32.1	F5	C7	2047	C -33 2199
80	10.5	10.3W	12 32.465	-0.0082	23	-36 46 23.93	-0.013	23	0.37	32.578	15	36.1	23.75	21	36.1	F5 L	C8	1883	C -36 2125
81	10.9	10.1W	12 40.815	-0.0013	21	-31 16 23.81	0.017	21	0.43	40.838	22	32.1	24.11	21	32.1		C7	2048	C -31 2295
82	9.7	9.0W	12 41.665	-0.0009	13	-36 13 35.65	-0.043	13	0.26	41.678	15	36.1	35.05	21	36.1	G5	C8	1884	C -36 2126
83		5.8T	12 42.602	0.0007	06	-36 1 59.92	0.005	05	0.25	42.576	10	09.6	+ 0.13	10	06.1	K0	GC	6421	C -36 2127
84	10.6	10.2W	12 46.050	-0.0055	21	-30 41 30.56	-0.036	21	0.43	46.148	22	32.1	29.91	21	32.1	G0 L	C7	2049	C -30 2269
85	9.4	8.7W	13 15.474	-0.0009	21	-33 27 53.14	0.011	21	0.43	15.490	22	32.1	53.34	21	32.1	K0	C7	2050	C -33 2204
86	10.4	9.6W	13 19.424	-0.0018	21	-30 10 10.95	0.019	21	0.43	19.457	22	32.1	11.29	21	32.1	K0 L	C7	2051	C -30 2277
87	10.4	10.2W	13 20.839	-0.0032	21	-30 17 20.89	0.061	21	0.43	20.897	22	32.1	21.99	21	32.1	F2 L	C7	2052	C -30 2278
88	9.2	8.4W	13 21.916	-0.0002	05	-36 42 22.71	-0.004	05	0.19	21.919	15	36.1	22.65	21	36.1	K1 L	C8	1887	C -36 2133
89		6.6T	13 23.834	0.0007	13	-36 42 29.21	0.002	12	0.67	23.798	19	99.2	29.31	19	96.6	G5	GC	6437K	C*-36 2135
90	11.0	10.0W	13 27.255	-0.0002	21	-31 3 36.33	0.005	21	0.43	27.258	22	32.1	36.41	21	32.1	G2 L	C7	2053	C -31 2305
91	10.6	10.3W	13 33.174	-0.0013	21	-31 35 33.25	0.054	21	0.43	33.198	22	32.1	34.22	21	32.1	F8 L	C7	2054	C -31 2306
92	9.1	8.7W	13 47.175	0.0054	21	-31 13 41.54	-0.007	21	0.43	47.078	22	32.1	41.41	21	32.1	F8	C7	2055	C -31 2309
93	10.3	9.0W	13 52.302	-0.0019	18	-38 24 50.89	0.012	18	0.31	52.328	15	36.1	51.05	21	36.1	K5	C8	1889	C -38 1955
94		6.7T	13 59.192	-0.0020	09	-34 58 53.77	0.026	07	0.45	59.299	15	95.8	55.32	15	91.0	A2	GC	6450	C -35 2199
95	10.3	9.7W	14 2.094	-0.0015	21	-33 41 19.79	0.020	21	0.43	2.121	22	32.1	20.15	21	32.1	K0 L	C7	2057	C -33 2212
96	10.8	9.9W	14 2.936	-0.0006	21	-30 14 9.37	0.001	21	0.43	2.947	22	32.1	9.39	21	32.1	G5 L	C7	2058	C -30 2286
97	10.1	9.7W	14 4.559	-0.0288	13	-39 20 7.48	0.012	13	0.26	4.959	15	36.1	7.65	21	36.1	F8	C8	1890	C -39 1869
98	10.3	9.4W	14 11.333	-0.0021	21	-33 39 18.60	0.025	21	0.43	11.371	22	32.1	19.05	21	32.1	K0 L	C7	2059	C -33 2213
99	10.9	10.7W	14 15.006	-0.0053	21	-33 37 14.21	0.052	21	0.43	15.101	22	32.1	15.15	21	32.1	G0 L	C7	2060	C -33 2214
00	9.0	8.6W	14 19.750	0.0001	21	-31 0 20.43	-0.051	21	0.43	19.748	22	32.1	19.51	21	32.1	G0	C7	2061	C -31 2314

195700

EPOCH 1950 — ORIGINAL EPOCH — -30° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ_s s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.0	8.6W	5 14 24.167	0.0021	06	-35 52 2.37	-0.006	06	0.20	24.138	15	36.1	2.45	21	36.1	K2		C8	1892	C -35 2203
2	8.3	8.3W	14 28.821	0.0001	21	-33 7 11.45	-0.012	21	0.43	28.820	22	32.1	11.24	21	32.1	F0		C7	2062	C -33 2216
3	10.4	9.7W	14 32.026	0.0015	21	-31 48 35.81	-0.011	21	0.43	31.999	22	32.1	35.62	21	32.1	K0	L	C7	2063	C -31 2316
4		7.1T	14 32.124	0.0022	12	-32 34 1.74	-0.017	09	0.58	32.013	17	00.4	0.86	18	96.8	F8		GC	6461	C -32 2242
5		7.0T	14 33.652	-0.0014	07	-33 35 29.06	-0.016	05	0.29	33.711	12	06.5	28.27	12	99.6	G5		GC	6464	C*-33 2217
6	9.2	8.9W	14 41.895	0.0005	21	-30 25 14.46	0.035	21	0.43	41.887	22	32.1	15.09	21	32.1	F8		C7	2066	C -30 2291
7	9.8	9.4W	14 43.213	-0.0026	21	-33 8 20.08	-0.036	21	0.43	43.260	22	32.1	19.44	21	32.1	G0		C7	2067	C -33 2218
8	10.0	8.9W	14 46.669	-0.0006	09	-36 19 9.22	0.038	09	0.22	46.678	15	36.1	9.75	21	36.1	G5		C8	1893	C -36 2146
9	10.2	9.3W	14 49.923	0.0002	21	-31 53 16.65	0.026	21	0.43	49.919	22	32.1	17.12	21	32.1	G5		C7	2068	C -31 2322
10	10.1	9.6W	14 59.650	0.0002	11	-36 22 46.69	0.012	11	0.24	59.647	15	36.1	46.85	21	36.1	G5		C8	1896	C -36 2147
11	9.3	9.0W	15 2.193	-0.0047	18	-37 10 44.31	0.010	18	0.31	2.259	15	36.1	44.45	21	36.1	F5		C8	1897	C -37 2112
12	8.9	8.9W	15 5.130	0.0000	18	-38 43 51.53	0.023	18	0.31	5.129	15	36.1	51.85	21	36.1	A3		C8	1898	C -38 1960
13	10.1	9.0W	15 5.748	-0.0008	13	-37 26 8.83	0.016	13	0.26	5.759	15	36.1	9.05	21	36.1	K0		C8	1899	C -37 2113
14		7.5T	15 6.359	0.0001	11	-31 19 55.13	0.160	09	0.54	6.354	18	99.4	3.63	18	96.8	F5		GC	6477	C -31 2328
15	10.8	9.4W	15 20.442	-0.0015	21	-30 51 19.30	0.001	21	0.43	20.466	22	32.1	19.31	21	32.1			C7	2078	C -30 2297
16	9.9	9.6W	15 22.174	0.0009	21	-32 23 34.09	-0.049	21	0.43	22.158	22	32.1	33.22	21	32.1	F2		C7	2071	C -32 2246
17	10.9	10.8W	15 33.539	-0.0061	21	-31 23 21.29	-0.032	21	0.43	33.648	22	32.1	20.71	21	32.1	A5	L	C7	2072	C -31 2330
18		6.9T	15 35.003	-0.0018	12	-39 20 27.39	0.023	12	0.66	35.092	21	00.2	28.56	19	98.6	A2		GC	6493	C -39 1884
19	8.7	8.8W	15 36.017	-0.0023	09	-37 2 46.34	0.001	09	0.22	36.049	15	36.1	46.35	21	36.1	A2		C8	1901	C -37 2117
20	9.5	9.2W	15 38.815	0.0015	21	-31 37 11.39	-0.071	21	0.43	38.789	22	32.1	10.12	21	32.1	F8		C7	2073	C -31 2331
21		4.9H	15 40.780	0.0068	02	-34 56 35.08	-0.339	02	0.09	40.548	05	15.7	23.02	04	14.4	K0		F4	197	C -35 2214
22	9.1	9.1W	15 42.498	0.0005	13	-39 34 22.44	0.008	13	0.26	42.490	15	36.1	22.55	21	36.1	F0		C8	1903	C -39 1887
23	7.5	7.9W	15 54.848	-0.0001	21	-33 29 5.78	0.031	21	0.43	54.850	22	32.1	6.34	21	32.1	B8		C7	2075	C -33 2235
24	9.5	8.8W	15 57.732	0.0031	18	-37 40 12.55	0.007	18	0.31	57.688	15	36.1	12.65	21	36.1	G0		C8	1905	C -37 2121
25	10.3	10.0W	16 1.192	0.0003	21	-30 11 12.59	0.095	21	0.43	1.187	22	32.1	14.29	21	32.1	G5	L	C7	2076	C -30 2305
26	9.5	9.1W	16 5.979	0.0029	13	-38 12 15.24	0.015	13	0.26	5.938	15	36.1	15.45	21	36.1	G0		C8	1906	C -38 1971
27	9.7	8.4W	16 7.550	-0.0026	21	-30 3 16.01	-0.007	21	0.43	7.597	22	32.1	15.89	21	32.1	K2		C7	2077	C -30 2306
28	9.1	8.9W	16 9.630	-0.0048	06	-35 25 5.76	-0.094	06	0.20	9.697	15	36.1	4.45	21	36.1	F8		C8	1907	C -35 2220
29	8.6	8.3W	16 13.611	0.0045	21	-34 4 53.86	0.027	21	0.43	13.531	22	32.1	54.35	21	32.1	G0		C7	2078	C -34 2177
30	8.6	8.3W	16 13.765	0.0019	21	-34 5 6.39	0.048	21	0.43	13.731	22	32.1	7.25	21	32.1	G0		C7	2079	C -34 2177
31	10.6	9.4W	16 15.627	-0.0006	21	-32 29 42.21	-0.022	21	0.43	15.638	22	32.1	41.82	21	32.1	K0		C7	2080	C -32 2257
32	8.5	8.7W	16 17.514	0.0008	21	-33 29 34.39	0.025	21	0.43	17.500	22	32.1	34.84	21	32.1	A2		C7	2081	C -33 2238
33	10.2	9.6W	16 30.466	-0.0016	23	-36 52 36.03	-0.070	23	0.37	30.489	15	36.1	35.05	21	36.1	G0		C8	1909	C -36 2162
34	10.7	9.7W	16 31.944	-0.0011	13	-38 53 30.15	0.007	13	0.26	31.959	15	36.1	30.25	21	36.1	G5	L	C8	1910	C -38 1974
35	10.5	10.3W	16 33.059	-0.0066	21	-32 5 55.17	-0.031	21	0.43	33.179	22	32.1	54.62	21	32.1	F8	L	C7	2082	C -32 2260
36	10.1	9.6W	16 39.154	0.0005	23	-36 14 45.29	0.055	23	0.37	39.147	15	36.1	46.05	21	36.1	G0		C8	1911	C -36 2164
37	10.1	9.4W	16 48.576	-0.0018	21	-32 22 25.87	-0.014	21	0.43	48.609	22	32.1	25.62	21	32.1	G5		C7	2083	C -32 2262
38	10.1	9.0W	16 53.972	-0.0009	21	-32 2 20.10	0.040	21	0.43	53.989	22	32.1	20.82	21	32.1	K2		C7	2084	C -32 2263
39	9.9	9.5W	16 54.888	-0.0029	18	-37 34 39.37	0.042	18	0.31	54.928	15	36.1	39.95	21	36.1	G0		C8	1912	C -37 2130
40	10.3	9.8W	17 3.950	0.0038	11	-36 5 19.94	0.030	11	0.24	3.898	15	36.1	20.35	21	36.1	G2	L	C8	1913	C -36 2165
41	10.4	10.1W	17 13.985	-0.0010	18	-38 13 58.02	-0.019	18	0.31	13.998	15	36.1	57.75	21	36.1	F8	L	C8	1914	C -38 1979
42	10.4	9.0W	17 14.556	0.0005	09	-37 23 26.54	-0.013	09	0.22	14.549	15	36.1	26.35	21	36.1	K5		C8	1915	C -37 2133
43	9.7	9.0W	17 16.057	0.0005	21	-31 35 5.60	0.023	21	0.43	16.048	22	32.1	6.02	21	32.1	K0		C7	2085	C -31 2348
44	11.0	10.2W	17 16.886	-0.0007	21	-31 5 32.89	0.024	21	0.43	16.898	22	32.1	33.31	21	32.1	K0	L	C7	2086	C -31 2347
45	10.2	9.7W	17 17.348	-0.0015	18	-37 0 36.01	0.025	18	0.31	17.368	15	36.1	36.35	21	36.1	F5	L	C8	1916	C -37 2134
46	9.9	9.4W	17 17.632	-0.0012	09	-36 47 28.87	0.056	09	0.22	17.649	15	36.1	29.65	21	36.1	G0		C8	1917	C -36 2167
47	9.8	9.5W	17 18.965	0.0032	21	-31 44 6.04	0.071	21	0.43	18.909	22	32.1	7.32	21	32.1	G5		C7	2087	C -31 2349
48		6.8I	17 27.487	0.0040	15	-33 45 30.00	0.034	18	0.83	27.291	18	00.5	31.63	19	02.5	M5E		GC	6536V	C*-33 2251
49	10.5	10.2W	17 29.697	0.0006	21	-30 11 52.99	-0.106	21	0.43	29.687	22	32.1	51.09	21	32.1	G2	L	C7	2089	C -30 2319
50	10.4	10.3W	17 33.931	-0.0041	23	-36 22 35.17	0.035	23	0.37	33.988	15	36.1	35.65	21	36.1	F2	L	C8	1918	C -36 2171
51	10.4	9.6W	5 17 36.850	-0.0038	21	-32 27 7.44	0.043	21	0.43	36.919	22	32.1	8.22	21	32.1	K0	L	C7	2091	C -32 2269
52	10.5	10.3W	17 36.916	0.0011	21	-30 7 15.88	0.045	21	0.43	36.897	22	32.1	16.69	21	32.1	G0	L	C7	2090	C -30 2320
53	9.5	9.4W	17 37.840	-0.0028	21	-33 28 9.73	0.006	21	0.43	37.890	22	32.1	9.84	21	32.1	A3		C7	2093	C -33 2256
54	10.7	10.6W	17 37.919	0.0035	21	-30 7 33.11	0.032	21	0.43	37.857	22	32.1	33.69	21	32.1	G0	L	C7	2092	C -30 2320
55	9.2	8.2W	17 40.702	0.0017	07	-36 47 42.98	-0.002	07	0.21	40.679	15	36.1	42.95	21	36.1	G5		C8	1920	C -36 2173
56	9.4	9.8W	17 43.194	0.0009	21	-32 9 30.11	0.017	21	0.43	43.178	22	32.1	30.42	21	32.1	B9		C7	2094	C -32 2270
57	9.8	8.9W	18 10.469	0.0056	21	-31 13 4.32	0.106	21	0.43	10.368	22	32.1	6.21	21	32.1	K0		C7	2095	C -31 2366
58	10.7	9.9W	18 14.506	-0.0023	18	-35 42 27.19	0.019	18	0.31	14.538	15	36.1	27.45	21	36.1	K0	L	C8	1922	C -35 2231
59	9.7	8.2W	18 21.163	-0.0033	13	-37 19 6.87	0.013	13	0.26	21.208	15	36.1	9.05	21	36.1	K2		C8	1923	C -37 2143
60	9.6	9.4W	18 27.746	-0.0003	21	-34 32 7.84	0.001	21	0.43	27.752	22	32.1	7.86	21	32.1	G0		C7	2096	C -34 2197
61	8.8	8.5W	18 29.725	0.0003	21	-32 40 9.84	0.039	21	0.43	29.720	22	32.1	10.54	21	32.1	G5		C7	2097	C -32 2276
62	10.8	10.3W	18 31.968	-0.0018	21	-33 26 35.64	0.056	21	0.43	32.000	22	32.1	36.64	21	32.1			C7	2098	C*-33 765
63		6.4T	18 32.483	-0.0011	06	-34 44 52.68	-0.004	06	0.29	32.532	12	04.8	52.49	12	99.4	F0		GC	6565	C*-34 2198
64	9.5	9.3W	18 32.985	0.0003	21	-33 26 52.27	0.026	21	0.43	32.980	22	32.1	52.74	21	32.1	F5		C7	2100	C -33 2266
65	10.6	10.4W	18 48.305	0.0009	21	-31 26 33.94	-0.046	21	0.43	48.288	22	32.1	33.11	21	32.1	F5	L	C7	2101	C -31 2370
66		7.3T	18 58.934	0.0036	15	-39 48 12.75	0.021	11	0.68	58.761	18	01.8	13.83	19	97.7	F5		GC	6573	C -39 1919
67	10.6	9.6W	19 3.375	-0.0024	21	-31 58 11.45	-0.002	21	0.43	3.418	22	32.1	11.42	21	32.1	K0	L	C7	2102	C -32 2281
68	9.8	9.3W	19 8.905	-0.0031	21	-33 40 3.28	-0.002	21	0.43	8.961	22	32.1	3.25	21	32.1	G5		C7	2103	C -33 2269
69		7.4T	19 15.474	-0.0003	15	-30 7 13.41	-0.016	13	0.74	15.489	19	00.9	12.58	18	98.4	K0		GC	6581	C -30 2338
70		6.1T	19 28.162	0.0002	10	-34 23 35.31	0.001	07	0.50	28.183	18	98.0	35.39	17	90.3	B5P		GC	6588K	C*-34 2207
71	9.9	9.3W	19 29.921	-0.0012	09	-35 45 46.09	-0.096	09	0.22	29.938	15	36.1	44.75	21	36.1	G2	L	C8	1925	C*-35 2242
72	10.7	10.0W	19 30.219	-0.0022	21	-31 9 47.51	0.017	21	0.43	30.258	22	32.1	47.81	21	32.1	K0	L	C7	2106	C -31 2382
73	11.5	10.7W	19 31.194	0.0013	21	-33 38 42.40	0.058	21	0.43	31.171	22	32.1	43.45	21	32.1	G0	L	C7	2107	C -33 2277
74	9.6	9.3W	19 31.949	0.0002	09	-35 14 52.37	-0.023	09	0.22	31.947	15	36.1	52.05	21	36.1	F0		C8	1926	C -35 2243
75	9.7E	9.5*	19 34.087	-0.0011	12	-39 59 16.76	0.012	12	0.67	34.142	31	99.5	17.37	28	99.5	A0		CZ	2825	P -40 690
76	9.5	9.3W	19 45.002	-0.0009	21	-30 41 13.09	0.091	21	0.43	45.018	22	32.1	14.71	21	32.1	F8		C7	2108	C -30 2345
77	9.4	8.5W	19 47.841	-0.0028	21	-34 9 14.66	0.038	21	0.43	47.891	22	32.1	15.35	21	32.1	K2		C7	2109	C -34 2209
78		7.4T	19 48.716	0.0003	14	-39 32 45.62	0.049	12	0.69	48.702	18	01.5	48.14	19	98.2	K0		GC	6598	C -39 1922
79	9.7	8.6W	20 3.128	0.0011	21	-31 38 14.24	0.010	21	0.43	3.109	22	32.0	14.42	21	32.0	K2		C7	2110	C -31 2395
80	10.8	10.0W	20 4.059	-0.0028	21	-32 32 34.59	0.175	21	0.43	4.110	22	32.0	37.74	21	32.0	G0	L	C7	2111	C -32 2290
81	9.7	9.7W	20 8.883	-0.0019	21	-30 9 14.21	0.021	21	0.43	8.917	22	32.0	14.59	21	32.0	A0		C7	2112	C -30 2346
82		7.9T	20 17.135	-0.0001	11	-38 32 10.00	0.016	09	0.43	17.139	12	09.9	10.64	14	08.5	K0		GC	6611	C -38 2001
83	10.3	9.9W	20 17.920	-0.0077	21	-30 37 13.49	-0.004	21	0.43	18.058	22	32.0	13.41	21	32.0	G0	L	C7	2113	C -30 2350
84	8.8	7.9W	20 19.004	0.0008	21	-32 35 11.08	0.014	21	0.43	18.990	22	32.0	11.34	21	32.0	K0		C7	2114	C -32 2296
85	10.5		20 19.652	-0.0019	18	-38 2 29.80	0.004	18	0.31	19.678	15	36.1	29.85	21	36.1	F8	L	C8	1930	C -38 2000
86	10.2	9.8W	20 26.629	-0.0001	21	-33 48 17.98	0.015	21	0.43	26.631	22	32.0	18.25	21	32.0	F5	L	C7	2115	C -33 2285
87	8.6	8.4W	20 31.581	0.0025	06	-35 20 38.36	-0.022	06	0.20	31.547	15	36.1	38.05	21	36.1	F2		C8	1931	C -35 2254
88	9.1	8.8W	20 32.421	-0.0004	21	-31 29 55.88	-0.037	21	0.43	32.428	22	32.0	55.21	21	32.0	F8		C7	2116	C -31 2400
89	9.3	9.1W	20 47.048	0.0006	21	-31 47 9.62	0.033	21	0.43	47.039	22	32.0	10.22	21	32.0	F0		C7	2117	C -31 2403
90	10.7	9.8W	20 50.535	0.0036	21	-31 45 31.44	0.032	21	0.43	50.469	22	32.0	32.02	21	32.0	K0	L	C7	2118	C -31 2404
91	9.8	9.5W	21 2.189	0.0017	21	-30 38 40.00	0.012	21	0.43	2.158	22	32.0	40.21	21	32.0	F5		C7	2119	C -30 2355
92	11.1	10.5W	21 2.401	-0.0022	21	-33 48 16.36	0.016	21	0.43	2.441	22	32.0	16.65	21	32.0	G5	L	C7	2120	C -33 2289
93	9.3	9.4W	21 6.183	-0.0015	21	-32 42 53.82	-0.016	21	0.43	6.210	22	32.0	53.54	21	32.0	A0		C7	2121	C -32 2303
94	10.6	10.0W	21 7.864	0.0014	21	-30 35 29.72	0.005	21	0.43	7.838	22	32.0	29.81	21	32.0	G5	L	C7	2122	C -30 2356
95	10.1	9.5W	21 14.830	0.0001	21	-31 44 18.37	0.047	21	0.43	14.829	22	32.0	19.22	21	32.0	K0	L	C7	2123	C -31 2409
96		7.5T	21 19.740	-0.0070	11	-31 47 35.59	-0.064	11	0.58	20.087	17	00.2	32.25	17	98.3	F0		GC	6638K	C -31 2414
97	11.0	10.0W	21 26.888	-0.0016	21	-30 16 21.93	0.031	21	0.43	26.917	22	32.0	22.49	21	32.0			C7	2125	C -30 2360
98	9.5	8.3W	21 30.337	0.0000	06	-36 25 3.41	-0.004	06	0.20	30.337	15	36.1	3.35	21	36.1	K2		C8	1933	C -36 2209
99	9.0	8.9W	21 32.146	-0.0025	08	-39 53 3.66	-0.044	08	0.22	32.180	15	36.1	3.05	21	36.1	F2		C8	1934	C -39 1938
00	10.2	9.2W	21 33.457	0.0027	21	-31 23 54.03	0.027	21	0.43	33.408	22	32.0	54.51	21	32.0	K0		C7	2126	C -31 2416

195800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 5H DM NUMBER
1	10.5	9.9W	5 21 34.267	0.0014	07	-36 21 35.74	-0.021	07	0.21	34.247	15	36.1	35.45	21	36.1	K0 L	C8	1935	C -36 2210
2	8.8	8.4W	21 36.444	0.0018	06	-36 43 6.81	0.212	06	0.20	36.418	15	36.1	9.75	21	36.1	G5	C8	1936	C*-36 2213
3	11.1	10.0W	21 36.588	-0.0013	21	-34 36 18.16	0.072	21	0.43	36.612	22	32.0	19.46	21	32.0		C7	2127	C -34 2225
4	10.6		21 38.637	-0.0066	18	-37 27 29.16	0.021	18	0.31	38.729	15	36.1	29.45	21	36.1	G0 L	C8	1937	C -37 2175
5	10.8	10.0W	21 43.123	0.0014	21	-31 37 33.04	0.021	21	0.43	43.099	22	32.0	33.42	21	32.0	G5 L	C7	2128	C -31 2418
6	9.9	9.5W	21 44.630	-0.0028	21	-33 24 43.58	-0.019	21	0.43	44.680	22	32.0	43.24	21	32.0	F5	C7	2129	C -33 2298
7		5.8T	21 44.874	0.0011	07	-39 43 25.78	0.003	05	0.25	44.831	09	10.6	25.90	09	07.0	M0	GC	6648	C -39 1940
8	10.4	9.4W	21 47.577	0.0015	21	-32 29 44.98	0.041	21	0.43	47.549	22	32.0	45.72	21	32.0	K0	C7	2130	C -32 2312
9		6.9T	21 55.504	0.0022	09	-37 22 54.47	0.008	07	0.49	55.386	18	96.6	54.95	17	89.2	G5	GC	6653	C*-37 2176
10	9.5	8.5W	21 59.285	0.0004	21	-32 11 45.37	0.008	21	0.43	59.279	22	32.0	45.52	21	32.0	K0	C7	2131	C -32 2313
11	10.5	10.2W	22 1.514	0.0014	21	-31 27 2.05	0.026	21	0.43	1.488	22	32.0	2.51	21	32.0	F8 L	C7	2132	C -31 2423
12	9.6	8.8W	22 8.535	-0.0024	21	-32 4 45.48	-0.048	21	0.43	8.579	22	32.0	44.62	21	32.0	G5	C7	2133	C -32 2316
13	10.0	9.0W	22 11.864	0.0013	21	-34 19 39.54	0.000	21	0.43	11.841	22	32.0	39.55	21	32.0	K2	C7	2134	C -34 2229
14	10.0	8.8W	22 12.347	-0.0013	21	-33 47 17.25	-0.045	21	0.43	12.371	22	32.0	16.45	21	32.0	K2 L	C7	2135	C -33 2307
15	11.0	10.0W	22 16.094	-0.0015	21	-33 45 47.02	-0.004	21	0.43	16.121	22	32.0	46.95	21	32.0		C7	2136	C -33 2308
16		7.5T	22 19.538	0.0019	12	-34 27 37.75	0.055	09	0.61	19.443	17	99.0	41.01	17	91.0	A3	GC	6667	C -34 2231
17	9.0	8.4W	22 21.769	0.0023	07	-35 49 43.65	-0.029	07	0.21	21.737	15	36.1	43.25	21	36.1	K0	C8	1942	C -35 2275
18	8.7	7.7W	22 25.357	0.0008	07	-35 11 44.95	-0.043	07	0.21	25.347	15	36.1	44.35	21	36.1	K2	C8	1943	C -35 2276
19	9.5	9.2W	22 28.310	0.0002	21	-30 21 19.28	0.023	21	0.43	28.307	22	32.0	19.69	21	32.0	F5	C7	2138	C -30 2367
20	9.5	8.6W	22 28.904	-0.0003	09	-38 6 6.29	-0.010	09	0.22	28.908	15	36.1	6.15	21	36.1	K0	C8	1945	C -38 2016
21	8.7	8.8W	22 39.839	0.0022	09	-38 18 8.55	0.022	09	0.22	39.808	15	36.1	8.85	21	36.1	F0	C8	1946	C -38 2018
22	10.2	9.5W	22 42.753	0.0018	21	-31 2 22.36	0.031	21	0.43	42.718	22	32.0	22.91	21	32.0	G5 L	C7	2139	C -31 2430
23	10.3	9.3W	22 48.979	0.0007	21	-30 26 27.60	-0.001	21	0.43	48.967	22	32.0	27.59	21	32.0	G5 L	C7	2140	C -30 2370
24	10.3	9.5W	22 49.148	-0.0001	21	-33 12 21.79	-0.014	21	0.43	49.150	22	32.0	21.54	21	32.0	G5 L	C7	2141	C -33 2314
25	10.0	9.0W	22 49.649	0.0036	13	-39 0 46.74	-0.078	13	0.26	49.599	15	36.1	45.65	21	36.1	K2	C8	1947	C -39 1951
26	10.0	9.6W	22 52.741	-0.0006	18	-38 36 29.84	0.015	18	0.31	52.749	15	36.1	30.05	21	36.1	G0	C8	1949	C -38 2021
27	10.2	8.8W	22 59.716	0.0010	21	-31 49 48.06	-0.008	21	0.43	59.699	22	32.0	47.92	21	32.0	K2	C7	2142	C -31 2436
28	10.1	9.3W	23 0.856	0.0005	09	-38 10 8.37	-0.030	09	0.22	0.848	15	36.1	7.95	21	36.1	K2	C8	1950	C -38 2022
29	9.5	9.1W	23 2.981	0.0008	21	-30 11 25.82	0.009	21	0.43	2.967	22	32.0	25.98	21	32.0	G0	C7	2143	C -30 2372
30	8.7	8.1W	23 9.087	0.0009	21	-34 15 7.07	0.215	21	0.43	9.071	22	32.0	10.95	21	32.0	G5	C7	2144	C -34 2238
31	9.5	8.7W	23 11.188	-0.0011	21	-31 31 41.44	0.004	21	0.43	11.209	22	32.0	41.52	21	32.0	G5	C7	2145	C -31 2439
32	9.9	9.7W	23 22.337	-0.0044	18	-38 5 9.13	-0.034	18	0.31	22.398	15	36.1	8.65	21	36.1	F5	C8	1952	C -38 2024
33	9.8	9.0W	23 26.056	0.0010	21	-30 39 27.02	-0.000	21	0.43	26.038	22	32.0	27.01	21	32.0	K0	C7	2146	C -30 2375
34	9.9	9.4W	23 27.540	0.0028	21	-31 50 45.74	0.032	21	0.43	27.489	22	32.0	46.32	21	32.0	G5	C7	2147	C -31 2444
35	8.0	7.5W	23 31.347	-0.0008	21	-34 53 25.59	0.026	21	0.43	31.362	22	32.0	26.05	21	32.0	G5	C7	2148	C -34 2241
36		8.0T	23 32.095	-0.0007	09	-36 32 19.08	-0.005	08	0.39	32.125	14	06.6	18.85	14	07.0	G5	GC	6690	C -36 2230
37	10.0	9.7W	23 36.081	0.0030	13	-38 48 52.01	-0.047	13	0.26	36.039	15	36.1	51.35	21	36.1	F5	C8	1954	C -38 2028
38	10.7	9.4W	23 51.933	0.0013	21	-33 2 47.85	-0.001	21	0.43	51.910	22	32.0	47.84	21	32.0	K2 L	C7	2149	C -33 2323
39	10.6	9.8W	23 55.799	0.0023	21	-31 41 2.78	0.041	21	0.43	55.759	22	32.0	3.52	21	32.0	K0 L	C7	2150	C -31 2449
40	8.6	8.6W	24 0.210	-0.0027	11	-35 37 26.94	-0.006	11	0.24	0.247	15	36.1	26.85	21	36.1	F0	C8	1955	C -35 2290
41	10.4	9.4W	24 2.431	-0.0009	21	-30 2 31.65	0.013	21	0.43	2.447	22	32.0	31.88	21	32.0	K0 L	C7	2151	C -30 2378
42	11.0	10.2W	24 4.102	0.0017	21	-34 10 12.62	-0.004	21	0.43	4.071	22	32.0	12.55	21	32.0		C7	2152	C -34 2246
43			24 4.143	-0.0010	09	-35 23 34.61	0.010	09	0.22	4.157	15	36.1	34.75	21	36.1		C8	1956	C -35 2291
44	7.6	7.1W	24 5.865	0.0028	07	-35 23 47.55	-0.043	07	0.21	5.827	15	36.1	46.95	21	36.1	F5	C8	1957	C -35 2291
45	9.1	9.4W	24 5.901	0.0009	18	-37 21 33.39	-0.017	18	0.31	5.889	15	36.1	33.15	21	36.1	A0	C8	1959	C -37 2197
46	7.6	7.1W	24 6.241	0.0018	06	-35 23 41.41	-0.040	06	0.20	6.217	15	36.1	40.85	21	36.1	F5	C8	1958	C -35 2291
47	10.7	9.6W	24 7.825	-0.0003	21	-34 9 50.92	-0.065	21	0.43	7.831	22	32.0	49.75	21	32.0		C7	2153	C -34 2247
48		6.9T	24 8.865	0.0020	12	-32 15 5.64	-0.003	12	0.66	8.761	19	98.7	5.46	19	97.2	K0	GC	6710	C -32 2336
49	9.3	8.8W	24 10.608	0.0044	21	-30 42 56.61	0.028	21	0.43	10.528	22	32.0	57.11	21	32.0	G0	C7	2155	C -30 2380
50	9.8	9.6W	24 13.289	-0.0060	21	-30 16 43.94	-0.003	21	0.43	13.397	22	32.0	43.89	21	32.0	F0 L	C7	2156	C -30 2382
51	9.5	9.3W	5 24 14.410	-0.0018	11	-36 11 55.81	0.003	11	0.24	14.428	15	36.1	55.85	21	36.1	F8	C8	1960	C -36 2235
52	10.0	9.6W	24 18.432	-0.0016	21	-33 38 35.64	0.050	21	0.43	18.461	22	32.0	36.55	21	32.0	F5 L	C7	2157	C -33 2327
53	9.5	9.4W	24 19.364	-0.0039	18	-37 2 10.29	-0.017	18	0.31	19.418	15	36.1	10.05	21	36.1	F5	C8	1961	C -37 2198
54		7.6T	24 22.244	0.0213	13	-32 32 43.94	-0.087	12	0.68	21.139	18	98.2	39.23	18	95.6	K0	GC	6717	C*-32 2337
55	10.1	9.8W	24 25.348	-0.0027	21	-30 29 24.07	0.001	21	0.43	25.397	22	32.0	24.09	21	32.0	F2 L	C7	2159	C -30 2386
56	9.7	9.3W	24 29.205	0.0004	21	-32 28 26.24	0.043	21	0.43	29.199	22	32.0	27.02	21	32.0	G5	C7	2160	C -32 2342
57	9.9	9.0W	24 29.514	0.0041	21	-33 12 25.85	0.016	21	0.43	29.440	22	32.0	26.14	21	32.0	K0	C7	2161	C -33 2329
58	10.9	9.9W	24 36.956	-0.0001	21	-31 42 58.71	0.006	21	0.43	36.959	22	32.0	58.82	21	32.0	K0 L	C7	2162	C -31 2458
59	9.2	9.2W	24 51.161	0.0007	21	-30 36 51.92	0.005	21	0.43	51.148	22	32.0	52.01	21	32.0	F2	C7	2163	C -30 2390
60	10.3	9.1W	24 56.227	0.0013	10	-37 21 0.09	-0.017	10	0.23	56.208	15	36.1	59.85	21	36.1	K0	C8	1963	C -37 2207
61		7.2T	25 0.190	-0.0007	12	-36 37 35.91	0.001	11	0.60	0.225	15	99.8	35.95	17	97.0	A0	GC	6730	C -36 2244
62	11.3		25 6.949	0.0038	23	-35 3 36.86	-0.025	22	[illegible]	6.897	12	96.1	36.45	21	36.1		C8	1965	C -35 2298
63	9.7	9.2W	25 11.355	-0.0015	21	-34 38 59.20	-0.030	21	0.43	11.382	22	32.0	58.66	21	32.0	G5	C7	2164	C -34 2258
64	10.2	9.4W	25 13.129	-0.0006	21	-32 58 3.46	0.021	21	0.43	13.140	22	32.0	3.84	21	32.0	K0 L	C7	2165	C -33 2332
65	7.6	7.3W	25 13.752	-0.0053	21	-31 36 27.98	0.035	21	0.43	13.849	22	32.0	28.62	21	32.0	G0	C7	2166	C -31 2468
66	9.8	9.4W	25 18.117	0.0011	21	-30 19 2.03	-0.030	21	0.43	18.097	22	32.0	1.49	21	32.0	G5 L	C7	2167	C -30 2397
67	11.0	10.1W	25 20.325	-0.0046	21	-31 47 47.23	-0.051	21	0.43	20.409	22	32.0	46.32	21	32.0		C7	2168	C -31 2471
68		6.9T	25 26.560	-0.0040	18	-34 39 17.68	0.003	17	0.85	26.745	18	03.4	17.84	19	03.0	G5	GC	6745	C*-34 2260
69	8.9	9.1W	25 31.906	-0.0023	21	-31 47 51.06	-0.025	21	0.43	31.949	22	32.0	50.62	21	32.0	A0	C7	2170	C -31 2476
70	10.0	9.4W	25 33.139	-0.0043	21	-30 0 5.83	-0.008	21	0.43	33.217	22	32.0	5.69	21	32.0	G5 L	C7	2171	C -30 2399
71	9.7	9.5W	25 39.544	0.0021	21	-30 7 6.88	0.006	21	0.43	39.507	22	32.0	6.99	21	32.0	F5 L	C7	2172	C -30 2400
72	10.1	9.7W	25 46.765	-0.0020	21	-33 50 22.39	0.081	21	0.43	46.801	22	32.0	23.85	21	32.0	G0 L	C7	2173	C -33 2339
73	9.6	9.5W	25 47.106	0.0014	06	-35 2 20.03	0.009	06	0.20	47.087	15	36.1	20.15	21	36.1	F5 L	C8	1966	C -35 2305
74	9.3	9.1W	25 54.078	-0.0007	07	-36 1 31.69	-0.024	07	0.21	54.088	15	36.1	31.35	21	36.1	F5	C8	1967	C -36 2251
75		6.9T	25 58.830	-0.0015	07	-32 27 26.45	-0.027	06	0.30	58.893	10	07.4	25.20	10	04.4	G5	GC	6758K	C -32 2359
76	9.5	8.6W	26 1.291	0.0018	21	-31 3 32.74	-0.018	21	0.43	1.258	22	32.0	32.41	21	32.0	K5	C7	2175	C -31 2480
77	10.4	9.7W	26 1.427	-0.0034	21	-31 23 46.11	-0.011	21	0.43	1.488	22	32.0	45.91	21	32.0	G5 L	C7	2176	C -31 2479
78		6.8T	26 5.123	-0.0003	16	-39 15 42.54	0.006	13	0.74	5.137	18	01.7	42.83	19	98.9	G5	GC	6761	C -39 1984
79	10.4		26 9.147	0.0013	18	-38 23 14.24	0.001	18	0.31	9.128	15	36.1	14.25	21	36.1	F8 L	C8	1969	C -38 2049
80	9.5	9.2W	26 12.510	-0.0009	21	-30 10 30.84	0.008	21	0.43	12.527	22	32.0	30.99	21	32.0	F0	C7	2177	C -30 2409
81	9.2	9.1W	26 15.971	-0.0003	21	-30 3 57.88	0.006	21	0.43	15.977	22	32.0	57.98	21	32.0	F5	C7	2178	C -30 2410
82	9.6	9.3W	26 16.106	-0.0012	21	-31 41 6.07	-0.014	21	0.43	16.129	22	32.0	5.82	21	32.0	F5	C7	2179	C -31 2483
83	8.3	7.6W	26 18.722	-0.0020	18	-38 56 48.35	0.007	18	0.31	18.749	15	36.1	48.45	21	36.1	G5	C8	1970	C -39 1985
84	7.8	7.9W	26 22.178	-0.0012	21	-32 51 48.35	-0.145	21	0.43	22.200	22	32.0	45.74	21	32.0	A0	C7	2180	C -32 2363
85	8.9	7.9W	26 25.198	0.0017	21	-31 52 47.65	-0.041	21	0.43	25.169	22	32.0	46.92	21	32.0	G5	C7	2181	C -31 2486
86	10.3	8.9W	26 31.419	-0.0016	21	-32 5 0.22	0.000	21	0.43	31.449	22	32.0	0.22	21	32.0	K0	C7	2182	C -32 2368
87		5.5T	26 31.822	0.0001	07	-37 16 16.28	0.074	05	0.27	31.818	10	09.9	19.64	10	04.5	A0	GC	6774	C -37 2220
88	9.9	9.3W	26 36.572	0.0014	21	-30 1 37.67	0.001	21	0.43	36.547	22	32.0	37.68	21	32.0	G0 L	C7	2183	C -30 2414
89	8.8	8.6W	26 42.497	-0.0001	21	-31 7 25.65	0.004	21	0.43	42.498	22	32.0	25.71	21	32.0	F2	C7	2184	C -31 2492
90	10.1	9.2W	26 43.727	0.0006	07	-36 39 6.31	-0.004	07	0.21	43.719	15	36.1	6.25	21	36.1	G	C8	1972	C -36 2258
91	10.7		26 44.877	0.0021	18	-35 38 51.59	-0.010	18	0.31	44.848	15	36.1	51.45	21	36.1	F5 L	C8	1973	C -35 2316
92	9.9	9.1W	26 48.288	0.0078	13	-39 24 38.14	-0.006	13	0.26	48.179	15	36.1	38.05	21	36.1	K0	C8	1974	C -39 1990
93	10.2	9.8W	26 49.238	-0.0013	21	-34 59 21.42	0.013	21	0.43	49.262	22	32.0	21.66	21	32.0	F0 L	C7	2185	C -35 2318
94	9.4	7.8W	26 51.449	0.0000	07	-36 55 18.04	-0.042	07	0.21	51.448	15	36.1	17.45	21	36.1	MA	C8	1975	C -36 2263
95	10.4	9.7W	26 57.816	-0.0029	21	-31 56 59.68	0.035	21	0.43	57.869	22	32.0	* 0.32	21	32.0	K0 L	C7	2186	C -32 2372
96	10.3	9.0W	27 1.234	-0.0009	21	-33 52 14.40	0.025	21	0.43	1.251	22	32.0	14.85	21	32.0	K5 L	C7	2187	C -33 2351
97	10.4		27 11.298	-0.0029	18	-37 44 36.60	0.047	18	0.31	11.338	15	36.1	37.25	21	36.1	A5 L	C8	1976	C -37 2229
98		6.6T	27 11.417	-0.0006	09	-30 9 19.35	0.014	08	0.34	11.441	10	11.2	19.91	10	10.1	K0	GC	6791	C*-30 2421
99	9.5	9.5W	27 17.644	-0.0011	10	-38 49 36.19	-0.010	10	0.23	17.659	15	36.1	36.05	21	36.1	A2	C8	1977	C -38 2057
00	9.2	8.5W	27 22.465	0.0002	21	-34 49 35.50	-0.008	21	0.43	22.462	22	32.0	35.36	21	32.0	K0	C7	2189	C -34 2276

195900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 5H DM NUMBER
1	10.6	9.7W	5 27 28.000	-0.0005	23	-36 2 17.64	0.008	23	0.37	28.007	15	36.1	17.75	21	36.1	K1	L	C8	1978	C -36 2266
2	9.1	7.7W	27 30.477	-0.0001	21	-35 59 40.08	0.002	21	0.43	30.478	22	32.0	40.11	21	32.0	MA		C7	2195	C -31 2505
3	9.4	8.9W	27 34.803	0.0039	07	-36 36 34.37	-0.037	07	0.21	34.748	15	36.1	33.85	21	36.1	G		C8	1979	C -36 2269
4	9.0	8.5W	27 35.754	0.0001	21	-34 33 12.83	0.018	21	0.43	35.752	22	32.0	13.16	21	32.0	G5		C7	2191	C -34 2279
5	10.6	9.8W	27 44.954	-0.0002	21	-31 37 50.19	-0.004	21	0.43	44.959	22	32.0	50.12	21	32.0	G5	L	C7	2192	C -31 2503
6	10.5	9.2W	27 47.555	-0.0044	13	-35 26 19.29	-0.003	13	0.26	47.617	15	36.1	19.25	21	36.1	K2	L	C8	1980	C -35 2327
7	10.4	9.2W	27 58.253	-0.0014	21	-31 1 13.35	0.004	21	0.43	58.278	22	32.0	13.41	21	32.0	K5	L	C7	2193	C -31 2506
8	9.8	9.6W	28 8.993	-0.0013	21	-30 25 35.45	0.002	21	0.43	9.017	22	32.0	35.49	21	32.0	F5	L	C7	2194	C -30 2431
9	8.7	8.5W	28 11.726	-0.0002	21	-32 30 5.02	0.001	21	0.43	11.730	22	32.0	5.04	21	32.0	A5		C7	2195	C -32 2381
10	9.9	9.3W	28 24.047	0.0012	13	-39 48 15.33	0.016	13	0.26	24.030	15	36.1	15.55	21	36.1	G5		C8	1983	C -39 2007
11	10.2	9.2W	28 33.414	-0.0002	21	-32 17 0.95	-0.002	21	0.43	33.419	22	32.0	0.92	21	32.0	K2	L	C7	2196	C -32 2385
12	10.4	9.7W	28 34.101	0.0001	21	-30 53 21.98	-0.009	21	0.43	34.098	22	32.0	21.81	21	32.0	G5	L	C7	2197	C -30 2437
13	9.8	8.6W	28 36.437	-0.0041	21	-33 34 17.56	0.016	21	0.43	36.511	22	32.0	17.85	21	32.0	K2		C7	2198	C -33 2368
14	10.1		28 37.076	-0.0010	18	-38 47 22.48	-0.002	18	0.31	37.089	15	36.1	22.45	21	36.1	A2		C8	1984	C -38 2066
15	8.7	8.2W	28 46.299	0.0144	07	-37 14 31.34	0.145	07	0.21	46.096	15	36.1	33.35	21	36.1	G5		C8	1985	C 37 2242
16	10.8	10.3W	28 48.400	0.0001	21	-31 46 14.82	0.022	21	0.43	48.399	22	32.0	15.22	21	32.0	F2	L	C7	2199	C -31 2516
17	8.4	8.6W	29 2.312	0.0002	21	-32 8 53.88	0.002	21	0.43	2.309	22	32.0	53.92	21	32.0	A0		C7	2200	C -32 2389
18	9.0	9.0W	29 12.510	-0.0026	09	-35 24 9.22	0.010	09	0.22	12.547	15	36.1	9.35	21	36.1	A0		C8	1986	C -35 2345
19	10.3	8.9W	29 18.546	-0.0002	18	-37 46 43.46	0.021	18	0.31	18.548	15	36.1	43.75	21	36.1	K5		C8	1988	C -37 2248
20	10.2	8.7W	29 19.866	-0.0041	21	-32 49 30.76	0.010	21	0.43	19.940	22	32.0	30.94	21	32.0	K5	L	C7	2201	C -32 2392
21	10.4	9.2W	29 20.219	0.0000	21	-31 20 22.18	-0.020	21	0.43	20.218	22	32.0	21.81	21	32.0	K5	L	C7	2202	C -31 2522
22	9.8	9.5W	29 20.785	-0.0013	21	-30 43 52.47	0.019	21	0.43	20.808	22	32.0	52.81	21	32.0	F2	L	C7	2203	C -30 2445
23	11.1	10.3W	29 24.461	-0.0043	21	-31 3 54.66	0.003	21	0.43	24.538	22	32.0	54.71	21	32.0			C7	2204	C -31 2524
24		3.9T	29 26.164	0.0020	04	-35 30 22.02	-0.036	03	0.17	26.078	06	06.0	20.37	06	04.6	K0		GC	6846	C* -35 2348
25	11.1	9.9W	29 37.734	0.0020	21	-31 23 48.16	-0.019	21	0.43	37.698	22	32.0	47.81	21	32.0	K0	L	C7	2205	C -31 2527
26	8.8	8.5W	29 41.494	0.0020	21	-30 54 42.00	0.023	21	0.43	41.458	22	32.0	42.41	21	32.0	F2		C7	2206	C -30 2542
27	9.5	9.2W	29 47.237	-0.0081	13	-38 50 8.53	-0.034	13	0.26	47.349	15	36.1	8.06	21	36.1	G0		C8	1990	C -38 2075
28	10.0	8.4W	29 47.837	0.0014	07	-36 3 1.41	-0.011	07	0.21	47.817	15	36.1	1.25	21	36.1	K5	L	C8	1991	C -36 2285
29	10.2	9.2W	29 48.130	-0.0013	13	-37 17 11.56	-0.036	13	0.26	48.148	15	36.1	11.05	21	36.1	K2	L	C8	1992	C -37 2250
30	8.6	7.9W	29 52.528	-0.0012	21	-33 25 15.20	0.063	21	0.43	52.550	22	32.0	16.34	21	32.0	G5		C7	2207	C -33 2377
31	9.8	9.6W	29 53.889	-0.0007	21	-34 47 36.11	-0.063	21	0.43	53.902	22	32.0	35.16	21	32.0			C7	2208	C -34 2299
32	10.1	9.2W	30 2.821	-0.0029	13	-39 30 56.58	-0.010	13	0.26	2.861	15	36.1	56.44	21	36.1	K0	L	C8	1993	C -39 2031
33	9.5	9.2W	30 3.170	-0.0005	21	-30 53 8.26	-0.063	21	0.43	3.179	22	32.0	7.30	21	32.0	F8		C7	2209	C -30 2454
34	9.4	8.4W	30 11.375	0.0003	09	-38 35 29.97	-0.031	09	0.22	11.370	15	36.1	29.54	21	36.1	K0		C8	1994	C -38 2077
35	9.6	9.4W	30 19.174	0.0004	13	-35 59 19.66	-0.016	13	0.26	19.168	15	36.1	19.44	21	36.1	F8	L	C8	1995	C -36 2297
36	10.2	9.9W	30 24.745	-0.0009	21	-32 33 9.83	-0.028	21	0.43	24.762	22	32.0	9.33	21	32.0	F2	L	C7	2210	C -32 2402
37	9.6	8.2W	30 27.722	-0.0011	21	-33 33 54.37	-0.002	21	0.43	27.742	22	32.0	54.34	21	32.0	K2		C7	2211	C -33 2381
38	8.3	8.0W	30 32.568	0.0107	07	-38 13 55.99	-0.011	07	0.21	32.419	15	36.1	55.84	21	36.1	G0		C8	1997	C -38 2082
39	9.0	9.3W	30 33.385	-0.0041	21	-30 35 18.67	-0.015	21	0.43	33.459	22	32.0	18.40	21	32.0	B9		C7	2212	C -30 2464
40	9.5	8.1W	30 37.121	0.0016	06	-36 7 25.63	-0.021	06	0.20	37.099	15	36.1	25.34	21	36.1	K5		C8	1998	C -36 2302
41	8.9	8.3W	30 38.364	0.0018	07	-36 15 8.68	-0.017	07	0.21	38.338	15	36.1	8.44	21	36.1	G0		C8	1999	C -36 2304
42	10.5	9.6W	30 42.626	-0.0024	13	-38 9 29.06	-0.030	13	0.26	42.659	15	36.1	28.64	21	36.1	K0	L	C8	2000	C -38 2083
43	8.7	8.8W	30 49.126	-0.0014	21	-33 21 56.40	0.007	21	0.43	49.152	22	32.0	56.53	21	32.0	A0		C7	2213	C -33 2385
44	10.2	8.6W	30 56.839	-0.0009	13	-39 37 31.47	0.012	13	0.26	56.851	15	36.1	31.64	21	36.1	K0		C8	2001	C -39 2038
45	9.5	9.2W	31 3.596	-0.0067	13	-38 23 17.41	-0.041	13	0.26	3.689	15	36.1	16.84	21	36.1	F8	L	C8	2002	C -38 2084
46	10.6	10.0W	31 4.003	-0.0026	13	-36 51 45.93	0.015	13	0.26	4.039	15	36.1	46.14	21	36.1	K1	L	C8	2003	C -36 2310
47	10.7	10.5W	31 7.539	-0.0012	21	-31 45 14.98	0.069	21	0.43	7.560	22	32.0	16.22	21	32.0	G0	L	C7	2214	C -31 2538
48		5.5T	31 10.233	0.0028	06	-38 32 49.29	-0.002	05	0.29	10.101	12	02.5	49.19	12	97.8	K2		GC	6889	C* -38 2085
49	9.5	9.4W	31 13.600	0.0038	21	-34 26 54.37	0.020	21	0.43	13.532	22	32.0	54.74	21	32.0	F8		C7	2215	C -34 2312
50	9.6	9.7W	31 15.453	-0.0020	21	-31 16 41.97	0.091	21	0.43	15.489	22	32.0	43.60	21	32.0	A0		C7	2216	C -31 2539
51	9.7	9.2W	5 31 16.980	-0.0013	21	-34 31 34.48	-0.163	21	0.43	17.003	22	32.0	31.55	21	32.0	G0		C7	2217	C -34 2313
52		5.7T	31 19.935	0.0074	06	-35 10 22.21	-0.040	05	0.29	19.956	12	04.3	20.14	12	98.3	K0		GC	6890	C -35 2367
53	9.8	9.2W	31 24.502	-0.0027	21	-32 59 47.89	0.030	21	0.43	24.552	22	32.0	48.43	21	32.0	K0		C7	2218	C -33 2393
54	10.6	10.3W	31 27.148	-0.0001	21	-31 44 55.42	0.011	21	0.43	27.150	22	32.0	55.62	21	32.0	G5	L	C7	2219	C -31 2541
55		6.8T	31 27.677	-0.0006	07	-34 20 14.64	0.010	05	0.30	27.704	14	06.0	15.12	14	01.0	A5		GC	6892	C -34 2315
56	9.9	9.8W	31 29.056	-0.0064	21	-34 15 44.53	-0.005	21	0.43	29.172	22	32.0	44.44	21	32.0	F5	L	C7	2221	C -34 2316
57	9.1	8.5W	31 29.399	-0.0005	21	-30 48 5.16	-0.025	21	0.43	29.399	22	32.0	4.70	21	32.0	K0		C7	2222	C -30 2479
58	9.0	8.9W	31 39.173	-0.0019	18	-37 44 55.16	0.020	18	0.31	39.195	15	36.1	55.44	21	36.1	A		C8	2007	C -37 2274
59	9.1	9.0W	31 44.995	-0.0004	13	-39 29 5.47	0.012	13	0.26	45.000	15	36.1	5.64	21	36.1	F0		C8	2008	C -39 2044
60	9.4	8.7W	31 46.116	0.0025	21	-32 39 18.71	0.029	21	0.43	46.072	22	32.0	19.23	21	32.0	K0		C7	2223	C -32 2413
61	9.8	8.8W	31 46.418	-0.0002	13	-39 10 54.13	-0.021	13	0.26	46.420	15	36.1	53.84	21	36.1	K0		C8	2009	C -39 2045
62	9.2	9.0W	31 46.969	-0.0015	13	-37 35 0.27	-0.024	13	0.26	46.989	15	36.1	-59.94	21	36.1	G5		C8	2010	C* -37 2276
63	10.0	9.8W	31 47.277	-0.0019	21	-32 33 11.18	-0.031	21	0.43	47.312	22	32.0	10.63	21	32.0	F5	L	C7	2224	C -32 2414
64	9.8	9.1W	31 54.356	0.0026	21	-31 29 2.19	-0.021	21	0.43	54.309	22	32.0	1.80	21	32.0	K0		C7	2225	C -31 2548
65	10.0	9.2W	31 58.981	0.0017	08	-35 1 55.93	0.037	08	0.22	58.958	15	36.1	56.44	21	36.1	K0	L	C8	2011	C -35 2373
66	10.0	9.9W	32 11.045	-0.0025	18	-38 13 32.96	-0.016	18	0.31	11.079	15	36.1	32.74	21	36.1	F8	L	C8	2012	C -38 2095
67	10.5	9.7W	32 11.194	0.0003	21	-31 25 49.86	0.008	21	0.43	11.189	22	32.0	50.00	21	32.0	K0	L	C7	2227	C -31 2552
68	10.1	9.3W	32 24.630	-0.0006	21	-31 49 43.81	0.056	21	0.43	24.640	22	32.0	44.81	21	32.0	K0	L	C7	2228	C -31 2554
69	10.1	9.4W	32 24.707	0.0019	21	-34 47 46.85	0.050	21	0.43	24.673	22	32.0	47.75	21	32.0	G5	L	C7	2229	C -34 2324
70	10.6	9.9W	32 26.779	0.0027	21	-32 32 1.06	-0.224	21	0.43	26.732	22	32.0	-57.03	21	32.0	K0	L	C7	2230	C -32 2422
71	9.9	9.7W	32 27.300	-0.0005	21	-30 55 8.28	-0.004	21	0.43	27.339	22	32.0	8.20	21	32.0	F5	L	C7	2231	C -30 2494
72	10.7	9.3W	32 31.231	0.0009	13	-36 27 58.10	0.010	13	0.26	31.218	15	36.1	58.24	21	36.1	K2	L	C8	2013	C -36 2319
73	11.2		32 32.221	0.0066	18	-36 41 39.96	0.042	18	0.31	32.129	15	36.1	40.54	21	36.1	G0	L	C8	2014	C -36 2320
74	9.9	9.6W	32 34.933	0.0002	21	-30 47 11.72	0.005	21	0.43	34.929	22	32.0	11.80	21	32.0	F8	L	C7	2232	C -30 2496
75	9.5	9.4W	32 38.235	-0.0030	21	-30 44 49.87	0.024	21	0.43	38.289	22	32.0	50.30	21	32.0	A5		C7	2233	C -30 2499
76	8.2	8.2W	32 41.658	-0.0008	13	-35 53 11.19	-0.016	13	0.26	41.668	15	36.1	10.94	21	36.1	A5		C8	2015	C -35 2375
77	9.4	8.8W	32 47.206	-0.0026	21	-34 30 33.15	0.022	21	0.43	47.253	22	32.0	33.55	21	32.0	G5		C7	2234	C -34 2327
78	8.9	8.6W	32 47.950	0.0009	13	-35 25 52.94	0.050	13	0.26	47.938	15	36.1	53.64	21	36.1	F5		C8	2016	C -35 2376
79		7.3T	33 2.728	-0.0020	15	-31 43 33.56	0.006	12	0.67	2.826	15	02.0	33.81	14	99.9	B9		GC	6940	C -31 2563
80	10.2	9.2W	33 5.846	0.0015	21	-31 22 15.75	0.042	21	0.43	5.819	22	32.0	16.50	21	32.0	K0	L	C7	2236	C -31 2564
81	9.5	8.2W	33 12.211	-0.0045	21	-33 37 11.58	0.053	21	0.43	12.292	22	32.0	12.54	21	32.0	K0		C7	2237	C -33 2410
82	10.4	9.8W	33 13.262	-0.0026	09	-35 24 10.75	-0.015	09	0.22	13.298	15	36.1	10.54	21	36.1	G8	L	C8	2018	C -35 2380
83	10.0	9.7W	33 14.982	-0.0016	21	-33 7 7.20	-0.043	21	0.43	15.012	22	32.0	6.44	21	32.0	F8	L	C7	2238	C -33 2411
84	8.5	8.2W	33 15.714	0.0004	09	-35 30 19.30	0.010	09	0.22	15.708	15	36.1	19.44	21	36.1	F0		C8	2019	C -35 2381
85	9.6	8.7W	33 21.412	-0.0011	21	-33 35 53.75	0.038	21	0.43	21.432	22	32.0	54.44	21	32.0	K0		C7	2239	C -33 2413
86		5.7T	33 24.839	0.0011	07	-33 6 45.30	0.109	06	0.33	24.791	14	05.6	50.31	14	04.0	K0		GC	6956	C -33 2414
87	9.8	9.1W	33 26.068	-0.0001	21	-31 27 10.83	-0.046	21	0.43	26.089	22	32.0	10.00	21	32.0	G5		C7	2241	C -31 2573
88	9.4	8.6W	33 28.225	0.0007	21	-32 55 52.39	0.013	21	0.43	28.212	22	32.0	52.64	21	32.0	G5		C7	2242	C -32 2430
89	10.2	10.0W	33 28.428	-0.0044	18	-38 11 5.62	-0.049	18	0.31	28.489	15	36.1	4.94	21	36.1	F8	L	C8	2020	C -38 2108
90	9.5	9.2W	33 30.383	0.0003	13	-35 50 19.77	-0.031	13	0.26	30.378	15	36.1	19.34	21	36.1	F5	L	C8	2021	C -35 2387
91	10.7	9.7W	33 31.093	0.0003	13	-36 1 38.95	-0.022	13	0.26	31.088	15	36.1	38.64	21	36.1	K1	L	C8	2022	C -36 2331
92		6.7T	33 36.834	-0.0024	09	-33 18 5.97	0.094	08	0.51	36.965	15	96.3	11.39	17	92.3	F5		GC	6959K	C* -33 2419
93	9.5	9.1W	33 38.644	0.0003	18	-37 34 32.60	0.046	18	0.31	38.639	15	36.1	33.24	21	36.1	F5	L	C8	2023	C -37 2287
94	10.3	10.3W	33 40.575	-0.0031	21	-32 19 37.83	-0.034	21	0.43	40.630	22	32.0	37.22	21	32.0	A0		C7	2244	C -32 2431
95	10.3	9.4W	33 46.739	0.0005	21	-32 26 4.86	0.020	21	0.43	46.730	22	32.0	5.22	21	32.0	K2		C7	2245	C -32 2432
96			33 50.021	0.0001	21	-30 51 26.17	-0.009	21	0.43	50.019	22	32.0	26.01	21	32.0	G5	L	C7	2246V	C* -30 2512
97	10.7	9.9W	33 50.108	0.0027	21	-31 26 9.18	0.018	21	0.43	50.059	22	32.0	9.50	21	32.0			C7	2247	C -31 2580
98	10.6	10.0W	33 51.551	-0.0039	21	-32 32 54.42	-0.005	21	0.43	51.622	22	32.0	54.33	21	32.0	A2		C7	2248	C -32 2433
99		7.5T	34 0.141	0.0001	14	-30 33 58.98	0.001	13	0.72	1.668	19	00.2	59.05	19	97.8	G5		GC	6969	C -30 2513
00	10.2	9.3W	34 9.880	-0.0014	13	-37 52 40.90	-0.033	13	0.26	9.899	15	36.1	40.44	21	36.1	K0	L	C8	2026	C -37 2291

196000			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 5H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.6	9.3W	5 34 13.662	0.0015	13	-39 19 3.91	0.124	13	0.26	13.640	15	36.1	5.64	21	36.1	F5	C8	2027	C -39 2065	
2	10.0	9.7W	34 14.827	0.0006	13	-36 5 56.35	-0.015	13	0.26	14.819	15	36.1	56.14	21	36.1	G2 L	C8	2028	C -36 2336	
3	9.8	9.9W	34 31.011	-0.0028	18	-37 56 15.91	-0.005	18	0.31	31.049	15	36.1	15.84	21	36.1	A5 L	C8	2030	C -37 2295	
4	9.9	9.8W	34 34.185	-0.0026	18	-38 56 51.86	-0.006	18	0.31	34.220	15	36.1	51.94	21	36.1	F0 L	C8	2032	C -38 2114	
5	10.9	10.4W	34 35.047	-0.0046	21	-31 40 22.85	-0.068	21	0.43	35.130	22	32.0	21.62	21	32.0	G2 L	C7	2250	C -31 2589	
6	9.5	9.1W	34 37.642	0.0047	21	-30 11 15.62	-0.019	21	0.43	37.558	22	32.0	15.28	21	32.0	G0	C7	2251	C -30 2518	
7	10.4	10.1W	34 41.154	0.0019	21	-31 39 55.05	0.032	21	0.43	41.120	22	32.0	55.62	21	32.0	F8 L	C7	2252	C -31 2590	
8	9.8	9.1W	34 42.769	-0.0001	21	-32 41 56.71	0.001	21	0.43	42.772	22	32.0	56.73	21	32.0	G5	C7	2253	C -32 2442	
9	10.1		34 45.134	-0.0003	13	-36 1 58.07	0.005	13	0.26	45.138	15	36.1	58.14	21	36.1	A5 L	C8	2033	C -36 2343	
10	10.5	9.5W	34 47.591	0.0011	21	-33 59 26.54	0.011	21	0.43	47.572	22	32.0	26.74	21	32.0	K2 L	C7	2255	C -34 2348	
11		7.7T	34 47.613	-0.0004	17	-34 45 8.38	-0.050	13	0.78	47.634	17	01.5	5.83	19	99.1	K0	GC	6987K	C*-34 2350	
12		6.8T	34 49.193	0.0002	11	-35 5 30.70	0.036	08	0.54	49.181	17	97.8	32.75	17	93.0	K0	GC	6989	C*-35 2394	
13	10.3	9.6W	35 1.022	-0.0027	21	-31 42 9.76	0.026	21	0.43	1.070	22	32.0	10.22	21	32.0	G5 L	C7	2256	C -31 2595	
14	10.0	9.0W	35 3.476	-0.0024	09	-36 48 26.94	-0.014	09	0.22	3.509	15	36.1	26.74	21	36.1	K1 L	C8	2035	C -36 2345	
15	10.3	9.0W	35 5.393	0.0003	21	-30 28 56.10	0.010	21	0.43	5.388	22	32.0	56.28	21	32.0	K5 L	C7	2257	C -30 2526	
16	9.3	8.6W	35 5.888	-0.0013	21	-33 52 6.83	-0.011	21	0.43	5.912	22	32.0	6.64	21	32.0	K2	C7	2258	C -33 2440	
17	10.2	9.4W	35 11.350	-0.0012	21	-34 15 58.04	0.044	21	0.43	11.372	22	32.0	58.84	21	32.0	K0 L	C7	2259	C -34 2354	
18	9.4	8.6W	35 15.521	-0.0006	21	-33 50 55.51	0.068	21	0.43	15.532	22	32.0	56.74	21	32.0	K0	C7	2260	C -33 2442	
19	10.1	8.9W	35 17.698	0.0006	18	-37 14 23.75	-0.022	18	0.31	17.689	15	36.1	23.44	21	36.1	K5	C8	2036	C -37 2305	
20	8.9	9.4W	35 20.685	0.0004	13	-36 54 27.35	-0.008	13	0.26	20.679	15	36.1	27.24	21	36.1	A0	C8	2037	C -36 2346	
21	10.5	9.7W	35 22.076	0.0003	21	-31 48 57.01	-0.010	21	0.43	22.070	22	32.0	56.82	21	32.0	K0 L	C7	2261	C -31 2600	
22	10.1	9.9W	35 24.624	-0.0037	21	-32 2 1.34	-0.001	21	0.43	24.690	22	32.0	1.32	21	32.0	F8 L	C7	2262	C -32 2449	
23	11.0		35 25.288	-0.0022	13	-36 17 29.16	0.027	13	0.26	25.316	15	36.1	29.54	21	36.1	K0 L	C8	2038	C -36 2347	
24	10.2	9.5W	35 26.313	0.0008	13	-39 34 10.98	-0.010	13	0.26	26.301	15	36.1	10.84	21	36.1	K0 L	C8	2039	C -39 2075	
25	9.8	9.0W	35 33.217	-0.0001	21	-31 7 53.90	0.006	21	0.43	33.219	22	32.0	54.00	21	32.0	K0 L	C7	2263	C -31 2603	
26	10.7	9.3W	35 33.579	0.0027	21	-31 45 5.48	0.019	21	0.43	33.530	22	32.0	5.82	21	32.0	K2 L	C7	2264	C -31 2604	
27	9.4	9.0W	35 34.777	0.0012	09	-38 38 0.62	-0.006	09	0.22	34.760	15	36.1	0.54	21	36.1	F8	C8	2040	C -38 2123	
28		7.3T	35 37.745	0.0015	11	-31 5 24.81	-0.001	10	0.59	37.662	18	96.5	24.78	17	95.1	G5	GC	7006	C -31 2605	
29		7.0T	35 40.018	0.0015	11	-38 3 5.97	0.012	08	0.41	39.962	17	11.6	6.50	15	06.2	K0	GC	7008	C -38 2124	
30	10.5	9.8W	35 52.562	-0.0017	21	-34 59 26.99	0.003	21	0.43	52.593	22	32.0	27.05	21	32.0	G5 L	C7	2266	C -35 2411	
31	9.8	9.4W	35 57.173	0.0042	21	-35 0 0.39	-0.003	21	0.43	57.097	22	32.0	0.33	21	32.0	G5	C7	2267	C -35 2413	
32	9.0	8.8W	35 57.193	-0.0021	13	-39 31 19.20	0.003	13	0.26	57.221	15	36.1	19.24	21	36.1	A3	C8	2042	C -39 2077	
33		6.6T	36 0.361	-0.0001	13	-34 43 3.58	-0.007	12	0.67	0.368	15	99.8	3.21	18	97.6	K0	GC	7019	C*-34 2358	
34	9.0	8.3W	36 4.919	-0.0006	21	-30 32 38.92	0.016	21	0.43	4.929	22	32.0	39.20	21	32.0	K0	C7	2269	C -30 2537	
35	10.3	8.9W	36 8.443	0.0004	13	-35 13 37.65	-0.037	13	0.26	8.438	15	36.1	37.14	21	36.1	K5 L	C8	2044	C -35 2417	
36	9.8	9.3W	36 10.702	-0.0014	21	-30 7 15.06	0.040	21	0.43	10.728	22	32.0	15.78	21	32.0	G5 L	C7	2270	C -30 2539	
37	8.6	8.3W	36 15.149	0.0020	13	-39 49 51.87	0.034	13	0.26	15.121	15	36.1	52.34	21	36.1	G0	C8	2045	C -39 2080	
38	11.1		36 17.555	0.0011	13	-36 46 13.83	-0.071	13	0.26	17.539	15	36.1	12.84	21	36.1	K0 L	C8	2046	C -36 2355	
39	9.6	9.3W	36 30.792	-0.0004	13	-35 29 46.70	-0.033	13	0.26	30.798	15	36.1	46.24	21	36.1	F8 L	C8	2048	C -35 2421	
40	8.2	8.4W	36 34.816	0.0004	13	-39 21 3.42	0.023	13	0.26	34.810	15	36.1	3.74	21	36.1	A0 L	C8	2049	C -39 2082	
41	11.2	9.8W	36 46.444	0.0004	13	-36 2 44.08	-0.010	13	0.26	46.439	15	36.1	43.94	21	36.1	K5 L	C8	2050	C -36 2359	
42	10.7	10.4W	36 47.900	-0.0006	21	-31 36 26.94	-0.016	21	0.43	47.910	22	32.0	27.22	21	32.0	G2 L	C7	2271	C -31 2619	
43	10.3	9.3W	36 49.521	0.0001	13	-37 48 2.65	-0.008	13	0.26	49.519	15	36.1	2.54	21	36.1		C8	2051	C -37 2317	
44	10.4	9.3W	36 49.784	-0.0004	13	-36 38 29.01	-0.005	13	0.26	49.789	15	36.1	28.94	21	36.1	K2 L	C8	2052	C -36 2360	
45	9.5	9.4W	37 1.270	0.0001	23	-36 1 50.85	0.021	23	0.37	1.268	15	36.1	51.14	21	36.1	F2 L	C8	2054	C -36 2364	
46	10.0	9.4W	37 3.275	-0.0003	09	-36 43 27.94	-0.029	09	0.22	3.279	15	36.1	27.54	21	36.1	G2 L	C8	2055	C -36 2366	
47	10.2	9.8W	37 7.487	0.0015	21	-32 6 56.68	-0.053	21	0.43	7.460	22	32.0	55.72	21	32.0	G5 L	C7	2272	C -32 2468	
48	9.6	8.3W	37 10.949	-0.0008	13	-37 47 8.60	-0.019	13	0.26	10.959	15	36.1	8.34	21	36.1	K2	C8	2056	C -37 2322	
49	9.7	9.7W	37 17.135	0.0005	23	-35 11 57.33	-0.028	23	0.37	17.128	15	36.1	56.94	21	36.1	A0	C8	2057	C -35 2435	
50	9.3	9.1W	37 21.109	-0.0022	18	-37 42 22.91	-0.034	18	0.31	21.139	15	36.1	22.44	21	36.1	F5	C8	2058	C -37 2325	
51	9.0	8.9W	5 37 24.137	0.0011	21	-30 19 24.63	-0.042	21	0.43	24.118	22	32.0	23.88	21	32.0	F0	C7	2273	C -30 2549	
52	10.3	10.1W	37 40.741	0.0001	21	-31 2 13.84	0.059	21	0.43	40.739	22	32.0	14.90	21	32.0	F2 L	C7	2274	C -31 2631	
53	9.2	9.1W	37 42.263	0.0007	21	-32 6 33.06	0.026	21	0.43	42.250	22	32.0	33.52	21	32.0	A5	C7	2275	C -32 2476	
54	10.4	9.1W	37 43.941	-0.0028	18	-37 15 58.97	0.019	18	0.31	43.979	15	36.1	59.24	21	36.1	K1 L	C8	2059	C -37 2327	
55	9.7	9.3W	37 44.006	-0.0054	13	-39 40 23.33	-0.021	13	0.26	44.081	15	36.1	23.04	21	36.1	F8	C8	2060	C -39 2096	
56	9.9	9.7W	37 44.897	0.0030	21	-34 47 0.30	0.030	21	0.43	44.843	22	32.0	0.85	21	32.0	F5 L	C7	2276	C -34 2372	
57	9.8	8.9W	37 45.384	0.0013	21	-33 0 21.54	0.038	21	0.43	45.362	22	32.0	22.23	21	32.0	K0	C7	2277	C -33 2468	
58		9.0T	37 45.509	-0.0037	17	-36 35 33.09	0.010	13	0.74	45.682	19	03.8	33.60	18	00.1	K7	GC	7076	C -36 2371	
59		2.7M	37 50.211	0.0001	01	-34 5 58.73	-0.027	01	0.07	50.203	03	98.3	57.41	03	01.6	B5F	F4	215	C -34 2375	
60	9.7	8.8W	37 54.190	-0.0035	21	-34 39 42.43	-0.038	21	0.43	54.253	22	32.0	41.75	21	32.0	K0	C7	2279	C -34 2378	
61		5.5T	37 58.743	-0.0022	07	-32 39 15.62	-0.029	05	0.29	58.837	12	07.8	14.20	12	00.9	K0	GC	7082	C -32 2479	
62	8.8	7.8W	38 2.891	0.0023	21	-30 39 41.96	-0.003	21	0.43	2.849	22	32.0	41.91	21	32.0	K2	C7	2281	C -30 2552	
63	9.9	9.8W	38 12.903	0.0032	23	-36 4 11.38	-0.003	23	0.37	12.859	15	36.1	11.34	21	36.1	F8 L	C8	2062	C -36 2378	
64	7.5	7.8W	38 13.067	-0.0018	21	-31 16 15.36	0.019	21	0.43	13.099	22	32.0	15.70	21	32.0	A0	C7	2282	C -31 2641	
65	10.0	8.9W	38 13.474	-0.0011	13	-36 43 56.12	0.016	13	0.26	13.489	15	36.1	56.34	21	36.1	K1 L	C8	2063	C -36 2380	
66	9.9	9.7W	38 15.688	-0.0030	18	-38 20 59.42	-0.056	18	0.31	15.729	15	36.1	58.64	21	36.1	A3 L	C8	2064	C -38 2148	
67	10.3	10.0W	38 20.109	0.0038	21	-31 36 28.37	0.031	21	0.43	20.040	22	32.0	28.92	21	32.0	G0 L	C7	2283	C -31 2642	
68	10.6	9.3W	38 21.723	-0.0013	13	-38 50 57.32	-0.020	13	0.26	21.740	15	36.1	57.04	21	36.1	K8 L	C8	2065	C -38 2151	
69	10.4		38 27.354	0.0024	18	-38 40 37.84	0.043	18	0.31	27.320	15	36.1	38.44	21	36.1	G2 L	C8	2066	C -38 2152	
70	9.5	9.1W	38 35.750	0.0095	21	-30 45 0.59	0.173	21	0.43	35.579	22	32.0	3.70	21	32.0	G0	C7	2284	C -30 2559	
71	10.5	9.9W	38 36.506	0.0003	21	-32 12 33.93	0.044	21	0.43	36.500	22	32.0	34.71	21	32.0	K0 L	C7	2285	C -32 2484	
72	9.8	9.5W	38 46.785	0.0003	21	-31 13 31.10	0.039	21	0.43	46.779	22	32.0	31.81	21	32.0	F5 L	C7	2286	C -31 2649	
73	9.7	8.8W	38 55.856	0.0009	21	-31 25 33.09	0.012	21	0.43	55.839	22	32.0	33.31	21	32.0	G5	C7	2287	C -31 2651	
74	8.3	8.0W	38 59.034	-0.0042	21	-31 22 12.92	-0.334	21	0.43	59.109	22	32.0	6.90	21	32.0	G0	C7	2288	C -31 2652	
75		8.0T	38 59.095	-0.0105	13	-36 36 34.64	0.035	12	0.67	59.625	17	99.7	36.53	19	96.3	F8	GC	7112	C -36 2390	
76	9.5	8.5W	39 2.224	0.0013	21	-32 1 15.59	0.074	21	0.43	2.200	22	32.0	16.92	21	32.0	K0	C7	2289	C -32 2488	
77		10.6W	39 4.758	-0.0018	21	-31 32 38.88	0.047	21	0.43	4.790	22	32.0	39.72	21	32.0	A2 L	C7	2290	C -31 2653	
78	9.8	9.5W	39 8.629	-0.0036	13	-35 38 15.55	-0.058	13	0.26	8.679	15	36.1	14.74	21	36.1	F8 L	C8	2068	C -35 2449	
79	8.8	8.6W	39 8.888	0.0004	21	-33 19 44.39	-0.048	21	0.43	8.882	22	32.0	43.53	21	32.0	F5	C7	2291	C -33 2480	
80	9.7	9.0W	39 10.341	-0.0027	21	-30 30 16.10	-0.033	21	0.43	10.389	22	32.0	15.51	21	32.0	G5	C7	2292	C -30 2562	
81	10.3	9.4W	39 11.352	0.0024	13	-36 0 32.59	0.004	13	0.26	11.319	15	36.1	32.64	21	36.1	G5 L	C8	2069	C -36 2393	
82	10.1	10.1W	39 12.635	-0.0007	21	-30 8 9.00	0.004	21	0.43	12.648	22	32.0	9.08	21	32.0	A5 L	C7	2293	C -30 2563	
83	10.0	8.6W	39 17.458	0.0055	21	-31 15 13.22	-0.001	21	0.43	17.359	22	32.0	13.20	21	32.0	K0	C7	2294	C -31 2657	
84	9.9	9.7W	39 28.509	0.0001	21	-35 0 55.58	-0.008	21	0.43	28.507	22	32.0	55.43	21	32.0	F8 L	C7	2295	C -35 2452	
85	9.2	9.0W	39 32.043	-0.0006	13	-39 55 7.95	-0.015	13	0.26	32.051	15	36.1	7.74	21	36.1	F5	C8	2070	C -39 2121	
86	10.3	9.0W	39 33.680	-0.0014	09	-36 55 15.41	-0.034	09	0.22	33.699	15	36.1	14.94	21	36.1	K5	C8	2071	C -36 2397	
87	8.4	8.3W	39 33.883	-0.0032	13	-35 16 15.57	0.041	13	0.26	33.928	15	36.1	16.14	21	36.1	F2	C8	2072	C -35 2456	
88		6.4T	39 37.092	0.0006	07	-33 25 26.72	-0.002	04	0.28	37.067	12	06.6	26.62	12	99.6	A0	GC	7126	C -33 2483	
89	10.1	9.3W	39 37.327	0.0020	21	-33 7 18.28	0.019	21	0.43	37.292	22	32.0	18.63	21	32.0	K0 L	C7	2297	C -33 2482	
90	9.5	9.0W	39 37.558	0.0014	23	-35 44 10.68	-0.154	23	0.37	37.538	15	36.1	8.54	21	36.1	G0	C8	2073	C -35 2458	
91	9.3	8.9W	39 44.012	-0.0015	21	-30 41 48.43	-0.046	21	0.43	44.039	22	32.0	47.60	21	32.0	G0	C7	2298	C -30 2565	
92	9.6	9.3W	39 48.624	-0.0015	21	-33 28 43.69	0.091	21	0.43	48.652	22	32.0	45.34	21	32.0	F5 L	C7	2300	C -33 2486	
93	10.5	10.0W	39 55.625	-0.0009	21	-32 47 5.67	0.031	21	0.43	55.642	22	32.0	6.23	21	32.0	G5 L	C7	2301	C -32 2498	
94	10.6	9.4W	40 1.345	0.0027	07	-35 5 42.70	-0.019	07	0.21	1.308	15	36.1	42.44	21	36.1	K2 L	C8	2075	C -35 2462	
95	9.9	8.5W	40 15.401	-0.0005	21	-31 55 52.33	0.033	21	0.43	15.410	22	32.0	52.92	21	32.0	K2	C7	2302	C -31 2668	
96		6.2T	40 17.134	-0.0009	05	-30 33 29.74	0.012	04	0.21	17.168	07	09.7	30.28	09	06.7	A0	GC	7147	C -30 2571	
97	9.6	8.6W	40 20.792	0.0031	13	-36 24 47.79	0.025	13	0.26	20.749	15	36.1	48.14	21	36.1	K0	C8	2076	C -36 2405	
98		5.3T	40 27.447	-0.0012	06	-34 41 28.14	0.051	05	0.29	27.501	12	06.8	30.57	12	02.1	B9	GC	7150	C -34 2401	
99	9.6	9.3W	40 29.451	-0.0001	21	-33 13 32.48	-0.031	21	0.43	29.452	22	32.0	31.93	21	32.0	F8	C7	2305	C -33 2492	
00		7.8T	40 37.769	-0.0009	15	-37 28 50.49	0.013	13	0.73	37.814	22	02.1	51.17	21	98.4	K5	GC	7154	C -37 2356	

196100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 5H DM NUMBER
1	9.5	9.4W	5 40 38.298	-0.0004	21	-31 55 16.75	0.043	21	0.43	38.290	22	32.0	17.52	21	32.0	A5	C7	2306	C -31 2672
2	8.6	8.8W	40 43.405	-0.0009	21	-33 1 39.62	0.039	21	0.43	43.422	22	32.0	40.33	21	32.0	A0	C7	2307	C -33 2495
3	9.8	9.8W	40 45.121	-0.0013	18	-37 23 20.96	0.006	18	0.31	45.139	15	36.1	21.04	21	36.1	A5 L	C8	2078	C -37 2357
4	10.3	9.8W	40 46.935	-0.0026	18	-38 33 23.54	0.007	18	0.31	46.970	15	36.1	23.64	21	36.1	G8 L	C8	2079	C -38 2173
5	9.3	9.3W	40 56.148	0.0004	21	-32 55 26.15	0.010	21	0.43	56.142	22	32.0	28.34	21	32.0	A2	C7	2308	C -32 2505
6	9.3	8.4W	41 1.114	-0.0021	21	-34 6 12.27	0.015	21	0.43	1.152	22	32.0	12.54	21	32.0	K0	C7	2309	C -34 2411
7		7.3T	41 4.540	-0.0009	12	-33 58 47.51	-0.025	12	0.67	4.586	19	99.1	46.31	19	99.1	G5	GC	7160K	C*-34 2412
8	9.8	8.7W	41 4.698	-0.0001	21	-32 0 59.12	0.017	21	0.43	4.700	22	32.0	59.42	21	32.0	K0	C7	2311	C -32 2507
9	10.1	10.3W	41 4.826	-0.0008	21	-32 19 51.02	0.028	21	0.43	4.840	22	32.0	51.52	21	32.0	A2	C7	2312	C -32 2506
10	10.2	9.6W	41 16.350	0.0017	21	-30 44 17.69	0.034	21	0.43	16.319	22	32.0	18.30	21	32.0	G5 L	C7	2313	C -30 2576
11	10.0	9.6W	41 18.348	0.0007	09	-35 17 16.43	-0.093	09	0.22	18.338	15	36.1	15.14	21	36.1	G0	C8	2081	C -35 2480
12	10.5	9.5W	41 19.741	-0.0029	21	-34 40 56.26	0.016	21	0.43	19.793	22	32.0	56.55	21	32.0	K2 L	C7	2314	C -34 2416
13	10.2		41 21.266	0.0005	18	-38 2 52.83	0.008	18	0.31	21.259	15	36.1	52.94	21	36.1	F2 L	C8	2082	C -38 2175
14		7.0T	41 24.779	0.0002	10	-33 26 47.35	0.008	07	0.47	24.771	15	99.8	47.79	15	95.7	M0	GC	7167	C -33 2504
15	10.0	9.7W	41 32.136	-0.0016	13	-35 30 45.32	0.059	13	0.26	32.158	15	36.1	46.14	21	36.1	F2 L	C8	2084	C -35 2485
16		6.3T	41 50.960	0.0030	05	-39 25 40.82	0.002	04	0.21	50.838	09	08.8	40.91	09	05.9	F0	GC	7179	C -39 2140
17	9.7	9.4W	41 51.343	-0.0020	21	-31 4 56.41	0.089	21	0.43	51.379	22	32.0	58.00	21	32.0	G0	C7	2316	C -31 2682
18	8.5	8.0W	41 57.720	0.0006	13	-39 56 41.68	-0.032	13	0.26	57.711	15	36.1	41.24	21	36.1	G0	C8	2087	C -39 2142
19	8.7	8.6W	41 58.955	0.0018	09	-37 43 48.64	0.036	09	0.22	58.929	15	36.1	49.14	21	36.1	F5	C8	2088	C -37 2365
20	10.1	10.1W	42 8.195	-0.0018	18	-37 51 55.55	0.035	18	0.31	8.219	15	36.1	56.04	21	36.1	F5 L	C8	2090	C -37 2367
21	8.5	8.5W	42 9.241	-0.0010	21	-30 37 52.06	0.019	21	0.43	9.259	22	32.0	52.40	21	32.0	F0	C7	2317	C -30 2583
22	10.1	9.9W	42 12.794	-0.0013	21	-30 8 17.22	0.014	21	0.43	12.818	22	32.0	17.48	21	32.0	F5 L	C7	2318	C -30 2584
23	9.9	9.0W	42 14.750	0.0001	13	-36 5 44.83	0.022	13	0.26	14.748	15	36.1	45.14	21	36.1	K0	C8	2091	C -36 2424
24	10.2	9.7W	42 15.354	0.0030	21	-31 35 21.81	0.001	21	0.43	15.300	22	32.0	21.82	21	32.0	K0 L	C7	2319	C -31 2686
25	10.0	8.9W	42 17.085	-0.0018	18	-38 20 26.08	-0.039	18	0.31	17.109	15	36.1	25.54	21	36.1	K0	C8	2092	C -38 2186
26	10.4	9.2W	42 18.424	-0.0011	13	-38 25 55.90	0.003	13	0.26	18.439	15	36.1	55.94	21	36.1	K2 L	C8	2093	C -38 2187
27	9.2	8.9W	42 20.120	-0.0049	08	-35 29 47.43	0.123	08	0.22	20.188	15	36.1	49.14	21	36.1	F8	C8	2094	C -35 2488
28	9.5	9.7W	42 30.233	-0.0009	21	-30 37 34.39	0.023	21	0.43	30.249	22	32.0	34.80	21	32.0	A5	C7	2320	C -30 2588
29	9.8	9.8W	42 39.849	-0.0051	21	-32 12 18.42	0.078	21	0.43	39.940	22	32.0	19.82	21	32.0	F8	C7	2321	C -32 2525
30	9.5	8.8W	42 51.542	-0.0027	21	-32 50 13.42	-0.011	21	0.43	51.592	22	32.0	13.23	21	32.0	G5	C7	2322	C -32 2526
31	9.4	9.4W	42 52.894	-0.0010	13	-35 26 27.24	-0.043	13	0.26	52.908	15	36.1	26.64	21	36.1	A3	C8	2095	C -35 2494
32	9.2	9.4W	42 55.742	-0.0054	21	-30 57 35.72	0.038	21	0.43	55.839	22	32.0	36.40	21	32.0	A3	C7	2323	C -31 2698
33	10.0	9.5W	43 3.281	-0.0009	21	-30 23 41.54	0.041	21	0.43	3.298	22	32.0	42.28	21	32.0	G5 L	C7	2324	C -30 2591
34	9.6	9.5W	43 5.181	-0.0049	21	-30 31 33.48	0.052	21	0.43	5.269	22	32.1	34.40	21	32.1	F8 L	C7	2325	C -30 2592
35	10.1	9.4W	43 14.474	0.0061	09	-35 49 2.23	0.001	09	0.22	14.389	15	36.1	2.24	21	36.1	G5	C8	2098	C -35 2499
36		6.8T	43 20.547	-0.0009	12	-31 41 18.71	0.000	12	0.62	20.593	15	00.8	18.72	17	00.8	F2	GC	7212	C*-31 2754
37	9.0	8.3W	43 23.334	-0.0009	21	-32 38 0.61	0.018	21	0.43	23.351	22	32.1	0.93	21	32.1	K0	C7	2327	C -32 2531
38	10.7	9.9W	43 35.244	-0.0003	13	-36 7 44.46	0.013	13	0.26	35.249	15	36.1	44.64	21	36.1	K2 L	C8	2099	C -36 2430
39	10.5	10.3W	43 35.778	0.0016	21	-31 15 13.58	-0.077	21	0.43	35.749	22	32.1	12.20	21	32.1	F5 L	C7	2328	C -31 2708
40	10.2	8.8W	43 37.664	-0.0012	13	-38 42 29.86	0.013	13	0.26	37.680	15	36.1	30.04	21	36.1	K5	C8	2100	C -38 2200
41	9.0	9.2W	43 40.556	-0.0030	21	-30 33 26.61	0.022	21	0.43	40.609	22	32.1	27.00	21	32.1	A3	C7	2329	C -30 2595
42		7.0T	43 45.003	-0.0012	11	-39 19 53.68	0.044	09	0.57	45.067	17	97.6	56.23	18	92.1	A5	GC	7222	C -39 2165
43	9.0	8.9W	43 45.328	-0.0025	13	-36 53 52.47	-0.017	13	0.26	45.359	15	36.1	52.24	21	36.1	A5	C8	2102	C -36 2433
44	8.4	8.7W	43 45.867	-0.0007	21	-30 55 42.12	0.033	21	0.43	45.879	22	32.1	42.71	21	32.1	A2	C7	2330	C -30 2596
45	10.0	9.1W	43 47.522	0.0006	21	-34 13 11.20	0.052	21	0.43	47.512	22	32.1	12.14	21	32.1	K0	C7	2331	C -34 2433
46	8.3	8.3W	43 48.070	-0.0028	21	-31 32 2.14	0.010	21	0.43	48.120	22	32.1	2.32	21	32.1	F0	C7	2332	C -31 2711
47	10.0	9.9W	43 48.541	0.0001	18	-38 22 26.92	0.023	18	0.31	48.539	15	36.1	27.24	21	36.1	A5	C8	2103	C -38 2201
48	9.9	10.0W	43 54.707	0.0039	21	-32 0 21.45	0.035	21	0.43	54.638	22	32.1	22.08	21	32.1	F2 L	C7	2333	C -30 2598
49		8.2T	43 54.824	0.0003	04	-32 19 27.47	-0.025	03	0.16	8.314	06	09.1	26.38	06	06.4	B2	GC	7230	C*-32 2538
50	10.1	10.1W	44 20.880	-0.0004	21	-30 27 59.28	0.000	21	0.43	20.888	22	32.1	59.28	21	32.1	F5 L	C7	2335	C -30 2606
51	9.9	9.1W	5 44 23.885	-0.0003	13	-37 51 34.24	0.007	13	0.26	23.889	15	36.1	34.34	21	36.1	G5	C8	2105	C -37 2386
52	10.4	9.0W	44 23.920	0.0023	13	-35 24 54.48	-0.010	13	0.26	23.888	15	36.1	54.34	21	36.1	K5	C8	2106	C -35 2502
53	9.6	9.0W	44 26.255	-0.0042	21	-32 59 48.83	0.022	21	0.43	26.331	22	32.1	49.23	21	32.1	K0	C7	2336	C -33 2532
54	10.0	10.1W	44 36.247	0.0003	21	-33 49 4.57	-0.080	21	0.43	36.242	22	32.1	3.14	21	32.1	G0 L	C7	2337	C -33 2534
55	10.0	9.8W	44 36.494	-0.0010	21	-33 44 27.78	-0.025	21	0.43	36.512	22	32.1	27.34	21	32.1	G2 L	C7	2338	C -33 2535
56	10.0	9.8W	44 40.713	-0.0009	21	-30 34 56.66	-0.003	21	0.43	40.729	22	32.1	56.60	21	32.1	K0 L	C7	2339	C -30 2610
57	10.4		44 50.121	0.0000	18	-38 41 50.18	-0.003	18	0.31	50.120	15	36.1	50.14	21	36.1	F0 L	C8	2109	C -38 2207
58	10.5	10.2W	44 50.861	0.0017	21	-31 39 43.52	-0.033	21	0.43	50.830	22	32.1	42.92	21	32.1	G5 L	C7	2340	C -31 2725
59		6.8T	44 57.157	-0.0016	11	-36 14 54.72	-0.032	09	0.54	57.238	17	99.5	52.97	17	95.2	A0	GC	7254	C -36 2445
60	10.3	9.7W	45 0.117	-0.0014	21	-34 5 13.52	-0.010	21	0.43	0.142	22	32.1	13.34	21	32.1	G5 L	C7	2341	C -34 2443
61	8.7	8.6W	45 1.024	-0.0005	13	-39 13 53.95	-0.001	13	0.26	1.030	15	36.1	53.94	21	36.1	F0	C8	2111	C -39 2179
62	10.1	9.7W	45 1.608	-0.0008	18	-37 21 15.34	0.029	18	0.31	1.619	15	36.1	15.74	21	36.1	G0	C8	2112	C -37 2391
63	9.3	8.6W	45 1.636	0.0002	21	-34 54 59.01	-0.009	21	0.43	1.633	22	32.1	58.85	21	32.1	K0	C7	2342	C -34 2444
64	10.5	10.5W	45 3.777	-0.0052	21	-32 0 34.95	0.071	21	0.43	3.870	22	32.1	36.22	21	32.1	G0 L	C7	2343	C -32 2547
65	9.9	9.5W	45 4.376	-0.0031	13	-35 39 39.02	-0.006	13	0.26	4.419	15	36.1	38.94	21	36.1	F8	C8	2113	C -35 2506
66	9.3	9.3W	45 6.540	-0.0012	21	-33 46 20.97	-0.002	21	0.43	6.562	22	32.1	20.94	21	32.1	F0	C7	2344	C -33 2537
67	10.5	9.9W	45 10.281	-0.0033	21	-32 1 0.24	-0.001	21	0.43	10.340	22	32.1	0.22	21	32.1	G5 L	C7	2345	C -32 2549
68	10.3	10.4W	45 12.834	-0.0053	21	-30 34 14.77	0.019	21	0.43	12.929	22	32.1	15.10	21	32.1	A8 L	C7	2346	C -30 2617
69	10.4	10.3W	45 29.651	-0.0038	21	-30 34 52.87	0.002	21	0.43	29.719	22	32.1	52.91	21	32.1	F5 L	C7	2347	C -30 2618
70	10.1	9.0W	45 30.976	0.0004	10	-39 7 42.43	-0.014	10	0.23	30.970	15	36.1	42.24	21	36.1	K0	C8	2114	C -39 2187
71		6.4T	45 32.819	-0.0012	11	-35 41 30.58	0.041	11	0.62	32.882	18	97.8	32.75	18	97.1	K0	GC	7271	C -35 2509
72	11.3	10.5W	45 35.445	0.0007	21	-32 40 20.74	0.022	21	0.43	35.432	22	32.1	21.14	21	32.1		C7	2348	C -32 2552
73	10.1	9.9W	45 38.205	-0.0020	21	-32 43 19.48	0.025	21	0.43	38.242	22	32.1	19.94	21	32.1	G0 L	C7	2349	C -32 2554
74		7.6T	45 40.993	-0.0007	16	-38 14 51.12	-0.024	13	0.74	41.028	22	02.8	49.90	21	98.7	A0	GC	7275	C -38 2217
75		7.1T	45 42.392	-0.0015	13	-36 30 13.07	-0.051	12	0.64	42.467	19	01.6	10.47	18	98.9	K2	GC	7276	C -36 2456
76	9.0	8.9W	45 43.806	-0.0030	21	-31 18 58.04	-0.024	21	0.43	43.859	22	32.1	57.61	21	32.1	F0	C7	2350	C -31 2738
77	9.6	9.0W	45 44.296	-0.0024	18	-37 46 47.46	0.006	18	0.31	44.329	15	36.1	47.54	21	36.1	G0	C8	2118	C -37 2396
78	8.4	8.6W	45 56.744	0.0003	18	-38 0 36.94	0.014	18	0.31	56.739	15	36.1	37.14	21	36.1	A0	C8	2119	C -38 2219
79	10.4	9.8W	45 58.558	0.0000	09	-35 18 19.03	-0.028	09	0.22	58.558	15	36.1	18.64	21	36.1	G8 L	C8	2120	C -35 2514
80	9.2	8.3W	45 59.419	0.0064	13	-36 41 13.88	-0.075	13	0.26	59.329	15	36.1	12.84	21	36.1	K0	C8	2121	C -36 2459
81	9.8	9.6W	46 1.756	-0.0024	21	-30 47 24.52	-0.129	21	0.43	1.799	22	32.1	22.21	21	32.1	G5 L	C7	2351	C -30 2625
82	9.3	9.1W	46 2.532	-0.0016	21	-33 26 15.57	-0.047	21	0.43	2.562	22	32.1	14.74	21	32.1	F2	C7	2352	C -33 2544
83	9.3	9.2W	46 8.726	0.0009	21	-30 56 4.05	0.042	21	0.43	8.709	22	32.1	4.80	21	32.1	F5	C7	2353	C -30 2627
84		7.8T	46 12.980	0.0032	16	-34 29 9.26	0.010	13	0.73	12.827	18	02.2	9.76	18	99.8	K0	GC	7290	C -34 2453
85		8.3T	46 16.410	0.0007	17	-35 20 44.52	-0.015	13	0.74	16.377	21	04.2	43.79	19	01.1	K0	GC	7292	C -35 2518
86	10.7	9.7W	46 22.106	-0.0003	21	-34 14 59.80	0.002	21	0.43	22.112	22	32.1	59.84	21	32.1	G2 L	C7	2355	C -34 2455
87	10.6	9.1W	46 22.724	-0.0009	21	-33 14 49.86	0.015	21	0.43	22.741	22	32.1	50.14	21	32.1	K5 L	C7	2356	C -33 2545
88	11.5	10.4W	46 29.319	-0.0029	21	-31 56 5.49	0.041	21	0.43	29.370	22	32.1	6.22	21	32.1		C7	2357	C -31 2747
89		6.9T	46 30.063	-0.0011	09	-33 26 47.09	-0.023	09	0.51	30.123	15	97.1	45.87	15	97.1	K2	GC	7300	C -33 2547
90		7.4T	46 34.594	-0.0012	13	-34 57 5.94	-0.024	12	0.65	34.654	18	01.8	4.72	18	99.6	K0	GC	7302	C*-34 2459
91	10.5	10.0W	46 38.338	0.0004	21	-31 47 2.98	0.047	21	0.43	38.330	22	32.1	3.82	21	32.1	G0 L	C7	2360	C -31 2751
92	10.5	9.9W	46 39.570	0.0056	21	-31 16 0.93	-0.001	21	0.43	39.469	22	32.1	0.91	21	32.1		C7	2361	C -31 2750
93	9.7	9.5W	46 46.257	-0.0013	21	-33 12 41.43	-0.084	21	0.43	46.281	22	32.1	39.93	21	32.1	F8 L	C7	2362	C -33 2549
94	10.5	9.9W	46 46.689	-0.0039	21	-30 37 53.12	0.016	21	0.43	46.759	22	32.1	53.40	21	32.1	G2 L	C7	2363	C -30 2629
95	9.5	9.3W	46 50.109	-0.0040	21	-31 38 7.36	0.065	21	0.43	50.180	22	32.1	8.52	21	32.1	F5	C7	2364	C -31 2756
96	10.6	10.0W	46 55.862	-0.0038	21	-32 10 33.74	0.016	21	0.43	55.930	22	32.1	34.02	21	32.1	G5 L	C7	2365	C -32 2568
97	9.6	8.8W	46 56.768	-0.0008	13	-35 50 19.91	0.038	13	0.26	56.779	15	36.1	20.44	21	36.1	K0	C8	2126	C -35 2526
98	9.8	9.7W	46 57.025	-0.0015	21	-33 53 14.88	0.020	21	0.43	57.052	22	32.1	15.24	21	32.1	F5	C7	2366	C -33 2552
99	9.6	8.9W	46 58.793	-0.0006	16	-39 56 52.41	0.052	16	0.29	58.801	15	36.1	53.14	21	36.1	G5	C8	2127	C -39 2198
00		7.5T	47 0.045	-0.0024	20	-32 26 29.37	-0.020	20	0.93	0.158	21	03.8	28.45	21	03.9	G5	GC	7310	C -32 2569

196200

EPOCH 1950 · ORIGINAL EPOCH · SOURCE · -30° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.2	8.8W	5 47 0.540	0.0014	13	-39 17 34.09	0.025	13	0.26	0.520	15	36.1	34.44	21	36.1	K2	C8	2128	C -39 2197
2	10.5	10.3W	47 2.341	-0.0011	21	-32 27 24.14	-0.001	21	0.43	2.360	22	32.1	24.12	21	32.1	G L	C7	2368	C -32 2570
3	10.8	10.1W	47 4.012	-0.0013	18	-38 6 13.52	-0.020	18	0.31	4.029	15	36.1	13.24	21	36.1	G8 L	C8	2129	C -38 2228
4	8.0	7.9W	47 11.374	0.0013	21	-31 42 22.97	-0.053	21	0.43	11.350	22	32.1	22.02	21	32.1	F2	C7	2369	C -31 2757
5	9.4	8.7W	47 14.353	-0.0010	21	-32 2 47.27	-0.025	21	0.43	14.370	22	32.1	46.81	21	32.1	K0	C7	2370	C -32 2572
6		6.9T	47 16.152	0.0001	20	-32 31 6.42	0.006	20	0.93	16.149	21	03.8	6.70	21	04.0	K0	GC	7313	C -32 2573
7	10.4	9.7W	47 18.796	-0.0002	21	-31 22 2.44	0.065	21	0.43	18.799	22	32.1	3.60	21	32.1	G5 L	C7	2372	C -31 2758
8	9.0	9.1W	47 25.291	0.0012	21	-31 6 18.90	0.062	21	0.43	25.269	22	32.1	20.00	21	32.1	A5	C7	2373	C -31 2759
9	9.9	8.6W	47 27.622	0.0005	21	-34 34 29.86	0.016	21	0.43	27.613	22	32.1	30.15	21	32.1	K2	C7	2374	C -34 2469
10	9.7	9.0W	47 33.141	0.0152	13	-37 31 37.68	-0.039	13	0.26	32.929	15	36.1	37.14	21	36.1	G5	C8	2131	C -37 2413
11	10.5	9.7W	47 34.382	-0.0003	21	-30 28 31.88	0.050	21	0.43	34.388	22	32.1	32.78	21	32.1	K0 L	C7	2375	C -30 2639
12	10.5	9.2W	47 37.215	0.0019	21	-34 8 26.59	-0.059	21	0.43	37.182	22	32.1	25.54	21	32.1	K2 L	C7	2376	C -34 2473
13		7.7T	47 42.974	0.0016	15	-37 11 56.43	0.005	13	0.73	42.898	21	01.2	56.70	19	97.8	B8	GC	7324	C -37 2414
14	10.2	9.4W	47 45.374	-0.0009	21	-32 30 7.13	-0.017	21	0.43	45.391	22	32.1	6.83	21	32.1	G5 L	C7	2377	C -32 2578
15	9.8	9.6W	47 46.288	-0.0001	18	-37 55 53.10	0.003	18	0.31	46.289	15	36.1	53.14	21	36.1	G0	C8	2133	C -37 2419
16	10.3	9.4W	47 47.289	-0.0022	18	-37 0 54.08	-0.025	18	0.31	47.319	15	36.1	53.74	21	36.1	K0	C8	2134	C -37 2418
17	10.2	9.7W	47 51.536	0.0026	21	-30 31 3.07	0.019	21	0.43	51.489	22	32.1	3.40	21	32.1	G2 L	C7	2378	C -30 2643
18	9.6	9.6W	47 59.392	-0.0020	21	-30 11 35.68	0.022	21	0.43	59.428	22	32.1	36.08	21	32.1	F5 L	C7	2379	C -30 2645
19		6.7T	47 59.891	0.0012	11	-30 38 3.76	-0.002	09	0.57	59.822	15	94.5	3.67	15	91.1	G5	GC	7331	C*-30 2647
20	10.0	8.5W	48 6.258	-0.0008	13	-35 55 28.74	-0.007	13	0.26	6.268	15	36.1	28.64	21	36.1	K5	C8	2136	C -35 2532
21		7.3T	48 15.342	0.0002	15	-34 34 1.48	0.012	13	0.72	15.334	18	01.8	2.08	18	99.5	K5	GC	7339	C -34 2479
22	10.2	10.1W	48 16.058	0.0010	21	-31 43 42.63	0.005	21	0.43	16.040	22	32.1	42.72	21	32.1	G0 L	C7	2382	C -31 2768
23	8.7	8.7W	48 16.175	0.0005	06	-36 12 41.10	0.010	06	0.20	16.168	15	36.1	41.24	21	36.1	A5	C8	2137	C*-36 2481
24	8.4	8.4W	48 17.184	-0.0042	21	-30 50 56.12	-0.012	21	0.43	17.259	22	32.1	55.90	21	32.1	A3	C7	2383	C -30 2652
25		6.8T	48 18.575	-0.0030	12	-32 49 19.08	-0.007	12	0.63	18.729	18	99.1	18.72	18	98.8	A0	GC	7341	C -32 2587
26	9.9	9.9W	48 38.958	-0.0012	21	-31 11 10.54	0.026	21	0.43	38.979	22	32.1	11.00	21	32.1	F8 L	C7	2385	C -31 2770
27	9.3	9.1W	48 39.425	0.0058	21	-33 22 3.34	-0.023	21	0.43	39.322	22	32.1	2.94	21	32.1	F8	C7	2386	C -33 2569
28	10.6	10.6W	48 40.274	0.0009	21	-30 2 20.18	0.078	21	0.43	40.258	22	32.1	21.58	21	32.1	G0 L	C7	2387	C -30 2658
29	10.9		48 41.796	-0.0018	18	-38 51 28.32	-0.042	18	0.31	41.820	15	36.1	27.74	21	36.1	G5 L	C8	2140	C -38 2239
30	10.8	10.7W	48 45.337	-0.0018	21	-30 59 57.94	0.009	21	0.43	45.369	22	32.1	58.10	21	32.1	F8 L	C7	2388	C -31 2771
31		7.0T	48 46.232	-0.0009	15	-37 38 3.72	0.016	13	0.73	46.278	21	01.4	4.55	19	98.9	K5	GC	7348	C -37 2431
32	10.3	10.1W	48 47.681	0.0040	21	-30 58 56.98	0.007	21	0.43	47.609	22	32.1	57.10	21	32.1		C7	2389	C -31 2772
33	10.6	9.5W	48 48.109	-0.0045	21	-30 54 14.01	0.050	21	0.43	48.189	22	32.1	14.91	21	32.1	K2 L	C7	2390	C -30 2660
34	9.9	9.9W	48 49.643	0.0013	21	-30 58 43.49	-0.027	21	0.43	49.619	22	32.1	43.00	21	32.1	F2 L	C7	2391	C -31 2773
35	10.4	10.4W	48 51.604	0.0019	21	-31 30 18.64	0.016	21	0.43	51.570	22	32.1	18.91	21	32.1	G0 L	C7	2392	C -31 2775
36	9.5	9.3W	48 53.057	-0.0044	09	-35 56 30.23	-0.035	09	0.22	53.118	15	36.1	29.74	21	36.1	F5	C8	2143	C -35 2542
37	11.1	9.6W	48 53.529	0.0026	21	-34 40 13.13	0.051	21	0.43	53.483	22	32.1	14.05	21	32.1	K2 L	C7	2393	C -34 2486
38		8.1T	49 9.316	-0.0001	09	-39 45 43.78	-0.038	08	0.40	9.318	17	09.4	42.13	15	06.6	G0	GC	7361K	C*-39 2222
39	9.0	9.0W	49 10.843	-0.0026	13	-37 40 19.11	-0.048	13	0.26	10.879	15	36.1	18.44	21	36.1	A5	C8	2146	C -37 2435
40		3.2H	49 11.727	0.0041	02	-35 47 9.73	0.402	02	0.08	11.586	04	15.3	24.69	04	12.8	K0	F4	223	C -35 2546
41	10.7	9.4W	49 15.456	-0.0009	07	-35 48 50.97	-0.002	07	0.21	15.469	15	36.1	50.94	21	36.1		C8	2148	C -35 2548
42	10.4	9.8W	49 15.769	-0.0046	21	-34 28 45.71	0.074	21	0.43	15.852	22	32.1	47.04	21	32.1	G5 L	C7	2394	C -34 2487
43	8.6	8.7W	49 16.291	-0.0013	18	-37 18 21.96	-0.016	18	0.31	16.309	15	36.1	21.74	21	36.1	A5	C8	2149	C -37 2437
44	8.9	8.0W	49 25.395	-0.0020	21	-32 18 38.18	-0.009	21	0.43	25.430	22	32.1	38.02	21	32.1	K0	C7	2395	C -32 2599
45	10.4	9.6W	49 28.606	-0.0020	21	-33 50 3.30	0.013	21	0.43	28.642	22	32.1	3.54	21	32.1	K0 L	C7	2396	C -33 2578
46	10.5	9.9W	49 29.752	-0.0016	21	-32 4 14.14	-0.012	21	0.43	29.780	22	32.1	13.92	21	32.1	G5 L	C7	2397	C -32 2600
47	10.0	9.2W	49 37.752	-0.0016	21	-31 30 47.59	0.030	21	0.43	37.780	22	32.1	48.12	21	32.1	K0	C7	2398	C -31 2784
48	9.2	8.3W	49 41.905	-0.0003	21	-31 46 30.13	0.005	21	0.43	41.910	22	32.1	30.22	21	32.1	K2	C7	2399	C -31 2785
49	10.4	10.2W	49 44.427	-0.0058	21	-33 16 16.63	-0.106	21	0.43	44.532	22	32.1	14.74	21	32.1	G0 L	C7	2400	C -33 2579
50	9.4	9.1W	49 48.826	0.0105	21	-30 28 33.35	-0.099	21	0.43	48.638	22	32.1	31.58	21	32.1	G5	C7	2401	C -30 2668
51	10.2	10.1W	5 49 49.093	0.0053	18	-36 46 48.61	-0.099	18	0.31	49.019	15	36.1	47.24	21	36.1	G2 L	C8	2152	C -36 2496
52	10.1	9.3W	49 49.702	-0.0027	13	-37 44 33.69	-0.011	13	0.26	49.739	15	36.1	33.54	21	36.1	K0	C8	2153	C -37 2440
53	10.5	9.6W	49 56.849	-0.0012	21	-32 55 30.97	0.031	21	0.43	56.872	22	32.1	31.53	21	32.1	K0 L	C7	2402	C -32 2606
54	10.3	9.0W	49 58.409	0.0026	21	-34 35 6.47	0.004	21	0.43	58.363	22	32.1	6.55	21	32.1	K0 L	C7	2403	C -34 2491
55	9.6	9.3W	50 4.751	-0.0028	21	-33 15 24.96	-0.007	21	0.43	4.801	22	32.1	24.84	21	32.1	B5 L	C7	2404	C -33 2585
56	9.8	9.5W	50 8.927	-0.0002	21	-31 30 30.18	-0.003	21	0.43	8.930	22	32.1	30.12	21	32.1	G0	C7	2405	C -31 2790
57		7.9T	50 10.735	-0.0028	15	-35 55 15.50	-0.031	11	0.67	10.868	19	02.4	13.98	19	00.9	A0	GC	7388	C -35 2556
58	9.4	8.6W	50 19.629	-0.0021	13	-36 17 54.24	-0.065	13	0.26	19.659	15	36.1	53.34	21	36.1	K0	C8	2155	C -36 2501
59	9.9	8.6W	50 25.117	-0.0002	21	-32 12 47.13	0.011	21	0.43	25.120	22	32.1	47.32	21	32.1	K5	C7	2406	C -32 2609
60	9.7	9.4W	50 32.217	-0.0042	21	-33 49 46.49	-0.059	21	0.43	32.292	22	32.1	45.44	21	32.1	G0	C7	2407	C -33 2590
61	10.1	9.5W	50 34.481	-0.0042	13	-37 36 42.33	0.015	13	0.26	34.539	15	36.1	42.54	21	36.1	G0	C8	2157	C -37 2452
62	8.2	8.2W	50 37.185	0.0018	08	-37 42 47.56	0.056	08	0.22	37.159	15	36.1	48.34	21	36.1	A3	C8	2158	C -37 2453
63	10.9	10.0W	50 38.325	0.0002	21	-34 11 48.16	0.004	21	0.43	38.322	22	32.1	48.24	21	32.1	G2 L	C7	2408	C -34 2498
64	8.3	8.7W	50 41.578	-0.0029	13	-35 22 16.62	0.001	13	0.26	41.618	15	36.1	16.64	21	36.1	A0	C8	2159	C -35 2561
65	9.7	9.5W	50 48.389	-0.0000	21	-30 47 19.76	-0.031	21	0.43	48.389	22	32.1	19.20	21	32.1	F5	C7	2409	C -30 2679
66		5.6T	50 50.794	0.0022	07	-37 38 26.69	-0.031	05	0.27	50.707	10	09.8	25.26	10	03.7	K0	GC	7407K	C -37 2457
67	10.3	8.7W	50 55.495	-0.0018	23	-36 43 29.46	0.006	23	0.37	55.519	15	36.1	29.54	21	36.1	MA	C8	2161	C -36 2506
68	8.7	7.9W	50 58.839	-0.0023	21	-32 20 57.48	0.019	21	0.43	58.880	22	32.1	57.82	21	32.1	G5	C7	2410	C -32 2614
69	10.1	9.1W	51 0.734	-0.0011	13	-37 40 51.23	-0.050	13	0.26	0.749	15	36.1	50.54	21	36.1	K2	C8	2162	C -37 2460
70		6.6T	51 1.450	-0.0031	16	-34 34 11.98	-0.055	14	0.75	1.600	19	02.3	9.29	19	01.3	G0	GC	7408	C*-34 2503
71	8.4	8.4W	51 5.424	0.0018	13	-35 37 29.85	-0.001	13	0.26	5.398	15	36.1	29.84	21	36.1	F0	C8	2163	C -35 2565
72	10.8	10.2W	51 6.282	0.0007	21	-31 27 36.56	0.036	21	0.43	6.269	22	32.1	37.20	21	32.1	G5 L	C7	2412	C -31 2801
73	9.2	7.8W	51 7.013	0.0019	21	-30 34 53.66	-0.003	21	0.43	6.979	22	32.1	53.60	21	32.1	K5	C7	2413	C -30 2685
74		6.7T	51 7.129	-0.0003	07	-38 32 7.93	-0.004	05	0.29	7.143	12	08.8	7.75	12	03.9	K0	GC	7412K	C*-38 2270
75	10.3	9.7W	51 11.302	0.0012	21	-31 47 34.24	0.010	21	0.43	11.280	22	32.1	34.41	21	32.1	G5 L	C7	2414	C -31 2804
76		4.9T	51 17.867	-0.0008	06	-33 48 40.70	0.033	04	0.28	17.903	12	05.0	42.44	12	97.2	B5	GC	7416	C*-33 2599
77	9.9	10.2W	51 21.473	-0.0041	13	-37 26 19.07	0.005	13	0.26	21.529	15	36.1	19.14	21	36.1	A0	C8	2166	C -37 2461
78	7.4	7.8W	51 23.896	-0.0008	21	-32 48 56.71	-0.010	21	0.43	23.911	22	32.1	56.54	21	32.1	A2	C7	2416	C -32 2620
79	8.3	8.5W	51 23.943	-0.0012	09	-36 57 7.44	-0.007	09	0.22	23.959	15	36.1	7.34	21	36.1	A0	C8	2167	C -36 2512
80	10.0	9.6W	51 27.812	0.0030	13	-38 55 27.06	0.020	13	0.26	27.770	15	36.1	27.34	21	36.1	G0	C8	2168	C -38 2273
81	9.8	8.3W	51 28.268	-0.0010	13	-39 31 59.88	-0.032	13	0.26	28.281	15	36.1	59.44	21	36.1	K2	C8	2169	C -39 2241
82	10.7	9.6W	51 29.683	0.0001	21	-34 4 35.45	0.005	21	0.43	29.682	22	32.1	35.54	21	32.1	K2 L	C7	2417	C -34 2505
83	9.2	8.5W	51 30.812	-0.0077	08	-36 16 21.16	-0.073	08	0.22	30.919	15	36.1	20.14	21	36.1	G0	C8	2170	C -36 2515
84	10.3	9.1W	51 33.436	-0.0013	21	-30 47 46.64	0.015	21	0.43	33.459	22	32.1	46.90	21	32.1	K5 L	C7	2418	C -30 2691
85	10.0	8.9W	51 34.210	-0.0007	13	-37 44 35.67	-0.060	13	0.26	34.219	15	36.1	34.84	21	36.1	K0	C8	2171	C -37 2464
86	9.8	9.7W	51 42.523	-0.0041	13	-36 51 27.31	0.038	13	0.26	42.579	15	36.1	27.84	21	36.1	F5	C8	2172	C -36 2520
87	10.0	9.1W	51 44.514	-0.0039	13	-35 50 5.28	0.040	13	0.26	44.569	15	36.1	5.84	21	36.1	K0	C8	2173	C -35 2574
88	10.1	8.8W	51 50.016	0.0003	21	-31 41 40.19	0.024	21	0.43	50.010	22	32.1	40.62	21	32.1	K5	C7	2419	C -31 2811
89	11.2	10.0W	51 50.349	-0.0006	21	-31 29 21.60	0.084	21	0.43	50.359	22	32.1	23.10	21	32.1	M L	C7	2420	C -31 2812
90	8.9	9.1W	51 50.691	-0.0027	21	-30 41 2.76	0.036	21	0.43	50.739	22	32.1	3.40	21	32.1	A2	C7	2421	C -30 2697
91	11.0	9.6W	51 58.073	0.0013	21	-31 29 53.55	0.003	21	0.43	58.049	22	32.1	53.60	21	32.1		C7	2422	C -31 2814
92	8.9	8.9W	52 3.509	0.0012	21	-30 0 11.70	-0.057	21	0.43	3.488	22	32.1	10.68	21	32.1	F5	C7	2423	C -30 2698
93	10.3		52 9.538	-0.0009	18	-38 57 36.80	-0.055	18	0.31	9.550	15	36.1	36.04	21	36.1	F0 L	C8	2174	C -38 2279
94		7.3T	52 10.614	-0.0016	13	-37 32 28.57	-0.033	12	0.62	10.691	21	03.1	26.98	18	01.5	A2	GC	7442	C -37 2470
95	9.9	9.1W	52 20.991	0.0011	21	-34 18 43.24	-0.017	21	0.43	20.972	22	32.1	42.94	21	32.1	K5	C7	2424	C -34 2521
96		6.8T	52 21.722	-0.0018	22	-35 54 41.80	0.000	22	1.02	21.802	19	05.4	41.80	21	05.5	F2	GC	7448	C*-35 2580
97	9.2	8.2W	52 29.671	-0.0034	21	-33 53 14.57	0.026	21	0.43	29.732	22	32.1	15.04	21	32.1	K0	C7	2425	C -33 2613
98	9.4	8.7W	52 30.147	-0.0018	21	-31 8 40.03	0.038	21	0.43	30.179	22	32.1	40.70	21	32.1	K0	C7	2426	C -31 2820
99	10.3	10.1W	52 30.299	-0.0006	21	-30 37 20.37	0.041	21	0.43	30.309	22	32.1	21.10	21	32.1	G2 L	C7	2427	C -30 2704
00	9.6	8.7W	52 41.716	0.0008	21	-33 46 55.79	0.008	21	0.43	41.702	22	32.1	55.94	21	32.1	G5	C7	2428	C -33 2616

196300			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 5H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	8.3	8.1W	5 52 45.844	-0.0003	06	-35 5 33.39	-0.018	06	0.20	45.848	15	36.1	33.14	21	36.1	FD		C8	2178	C -35 2582	
2	9.5	8.8W	52 50.064	-0.0004	21	-33 37 40.23	-0.044	21	0.43	50.072	22	32.1	39.44	21	32.1	GD		C7	2429	C -33 2617	
3	9.5	9.3W	52 54.806	0.0025	21	-33 56 34.35	0.150	21	0.43	54.762	22	32.1	37.04	21	32.1	GD		C7	2430	C -33 2618	
4	9.8	9.9W	52 55.679	0.0027	21	-32 54 20.56	-0.052	21	0.43	55.632	22	32.1	19.63	21	32.1	F2	L	C7	2431	C -32 2637	
5	7.4	7.9W	53 4.875	0.0004	21	-30 18 47.91	0.015	21	0.43	4.868	22	32.1	48.18	21	32.1	B9		C7	2432	C -30 2710	
6	9.0	7.8W	53 7.970	0.0027	21	-33 40 22.74	0.000	21	0.43	7.922	22	32.1	22.74	21	32.1	KD		C7	2433	C -33 2623	
7	9.8	9.6W	53 8.039	-0.0023	21	-31 37 14.27	0.020	21	0.43	8.080	22	32.1	14.62	21	32.1	F2		C7	2434	C -31 2832	
8	9.7	8.2W	53 12.973	0.0018	09	-38 15 15.28	-0.003	09	0.22	12.949	15	36.1	15.24	21	36.1	K5		C8	2179	C -38 2286	
9		5.6T	53 14.783	-0.0015	07	-39 57 55.55	0.013	06	0.30	14.847	12	08.9	56.15	12	03.7	K5		GC	7473	C -39 2260	
10	8.7	8.5W	53 16.743	-0.0005	21	-33 55 59.32	0.001	21	0.43	16.752	22	32.1	59.34	21	32.1	F5		C7	2435	C -33 2624	
11	11.0	9.8W	53 23.209	-0.0001	21	-32 31 27.94	-0.023	21	0.43	23.212	22	32.1	27.53	21	32.1			C7	2436	C -32 2645	
12	10.0	9.9W	53 26.453	-0.0041	18	-36 56 57.03	-0.021	18	0.31	26.509	15	36.1	56.74	21	36.1	A3		C8	2182	C -36 2534	
13	10.1	9.9W	53 31.286	-0.0036	21	-32 34 53.97	0.037	21	0.43	31.331	22	32.1	54.64	21	32.1	F5	L	C7	2437	C -32 2647	
14	10.3	10.3W	53 36.990	0.0000	21	-32 15 16.74	0.044	21	0.43	36.990	22	32.1	17.52	21	32.1	GD	L	C7	2438	C -32 2648	
15	10.4	10.2W	53 37.238	-0.0022	13	-36 0 5.15	-0.051	13	0.26	37.269	15	36.1	4.44	21	36.1	G2	L	C8	2183	C -36 2536	
16		5.0T	53 46.567	0.0021	06	-37 7 37.07	-0.026	05	0.26	46.474	09	04.6	35.79	09	00.6	KD		GC	7481	C*-37 2487	
17	8.7	7.9W	53 51.308	-0.0018	21	-31 52 54.04	0.016	21	0.43	51.340	22	32.1	54.32	21	32.1	KD		C7	2440	C -31 2841	
18	10.2	9.9W	53 56.776	0.0019	21	-34 7 35.50	0.019	21	0.43	56.742	22	32.1	35.84	21	32.1	F5	L	C7	2441	C -34 2537	
19	9.0	8.9W	53 58.091	-0.0006	21	-34 26 11.65	-0.051	21	0.43	58.102	22	32.1	10.74	21	32.1	FD		C7	2442	C -34 2538	
20		7.4T	54 1.754	0.0022	13	-38 6 39.83	-0.006	12	0.68	1.647	18	00.5	39.53	21	97.9	F5		GC	7489	C -38 2296	
21	9.5	9.2W	54 3.775	-0.0054	21	-33 43 58.46	-0.091	21	0.43	3.872	22	32.1	56.84	21	32.1	GD		C7	2443	C -33 2630	
22		6.7T	54 6.158	-0.0009	11	-31 32 17.68	0.013	08	0.53	6.207	18	98.4	18.43	17	93.5	B9		GC	7491	C*-31 2844	
23		8.6T	54 8.052	0.0018	18	-35 6 35.05	-0.001	13	0.77	7.970	21	05.2	35.00	19	01.3	K2		GC	7493	C -35 2596	
24	9.6	9.9W	54 11.368	-0.0007	23	-35 19 19.02	-0.042	23	0.37	11.378	15	36.1	18.44	21	36.1	A3		C8	2189	C -35 2597	
25	10.7	9.0W	54 16.885	-0.0026	13	-38 38 20.54	-0.007	13	0.26	16.920	15	36.1	20.44	21	36.1	K5		C8	2190	C -38 2299	
26	10.0	8.9W	54 18.341	0.0009	23	-36 6 14.10	-0.033	23	0.37	18.328	15	36.1	13.64	21	36.1	K1	L	C8	2191	C -36 2543	
27	10.2	8.7W	54 18.579	-0.0024	21	-34 15 39.93	-0.011	21	0.43	18.622	22	32.1	39.74	21	32.1	K5		C7	2445	C -34 2543	
28	9.6	9.9W	54 22.227	0.0010	21	-31 1 49.74	0.015	21	0.43	22.209	22	32.1	50.00	21	32.1	AD		C7	2446	C -31 2847	
29	8.5	8.8W	54 25.245	-0.0025	18	-38 17 10.70	0.024	18	0.31	25.279	15	36.1	11.04	21	36.1	AD		C8	2192	C -38 2301	
30		5.5T	54 27.969	-0.0001	05	-31 23 17.23	0.008	05	0.22	27.971	09	09.1	17.59	09	07.4	FD		GC	7499	C*-31 2848	
31	8.4	7.6W	54 41.306	0.0011	13	-39 9 40.38	-0.003	13	0.26	41.290	15	36.1	40.34	21	36.1	KD		C8	2193	C -39 2275	
32		7.1T	54 42.289	0.0002	13	-33 26 24.50	0.007	12	0.64	42.281	14	01.1	24.85	15	99.5	AD		GC	7504	C -33 2637	
33	10.7	9.0W	54 43.843	0.0002	13	-38 37 40.29	-0.011	13	0.26	43.840	15	36.1	40.14	21	36.1	K5		C8	2194	C -38 2307	
34	8.9	8.9W	54 46.527	-0.0031	21	-34 44 35.68	0.043	21	0.43	46.583	22	32.1	36.45	21	32.1	FD		C7	2449	C -34 2548	
35		6.5T	54 56.960	-0.0003	12	-31 58 53.36	0.018	09	0.61	56.978	17	96.6	54.45	17	92.1	KD		GC	7508	C -31 2854	
36	9.5E	8.7Z	54 59.737	0.0003	12	-39 59 56.48	0.006	12	0.86	59.722	63	98.0	56.77	57	98.0	A2		CZ	3228	P -40 875	
37	8.9	8.8W	55 0.331	0.0000	10	-39 4 51.70	-0.004	10	0.23	0.335	15	36.1	51.64	21	36.1	A3		C8	2195	C -39 2276	
38	8.8	8.8W	55 1.972	0.0008	21	-30 4 34.92	0.014	21	0.43	1.958	22	32.1	35.18	21	32.1	FD		C7	2451	C -30 2728	
39		8.9T	55 4.184	-0.0002	14	-36 21 22.50	-0.011	12	0.63	4.193	17	04.3	21.98	15	02.5	AD		GC	7511	C -36 2549	
40	9.3	9.0W	55 6.834	-0.0010	21	-33 49 43.33	0.028	21	0.43	6.852	22	32.1	43.84	21	32.1	F8		C7	2452	C -33 2642	
41	10.5	10.2W	55 9.396	-0.0038	13	-36 4 47.92	-0.020	13	0.26	9.448	15	36.1	47.64	21	36.1	G2	L	C8	2197	C -36 2550	
42	9.5	9.2W	55 9.511	-0.0028	21	-33 29 24.33	-0.017	21	0.43	9.562	22	32.1	24.04	21	32.1	F8		C7	2453	C -33 2643	
43	8.8	8.7W	55 12.907	-0.0018	21	-31 15 58.37	-0.037	21	0.43	12.939	22	32.1	37.70	21	32.1	GD		C7	2454	C -31 2859	
44	9.9	10.0W	55 17.437	-0.0000	21	-30 20 53.59	-0.012	21	0.43	17.438	22	32.1	53.38	21	32.1	F5	L	C7	2455	C -30 2730	
45	10.7	9.8W	55 25.720	0.0001	13	-36 5 10.99	-0.068	13	0.26	25.719	15	36.1	10.04	21	36.1	K1	L	C8	2198	C -36 2552	
46	10.3	10.2W	55 27.969	-0.0027	21	-30 16 35.17	-0.022	21	0.43	28.018	22	32.1	34.78	21	32.1	F8	L	C7	2456	C -30 2732	
47	10.0	8.9W	55 30.183	-0.0028	13	-39 31 46.26	0.027	13	0.26	30.221	15	36.1	46.64	21	36.1	G5		C8	2199	C -39 2280	
48	9.9	9.8W	55 33.318	-0.0018	21	-32 8 48.40	0.035	21	0.43	33.350	22	32.1	49.02	21	32.1	A5		C7	2457	C -32 2664	
49	10.3	9.0W	55 37.693	-0.0013	13	-39 36 38.95	-0.001	13	0.26	37.711	15	36.1	38.94	21	36.1	KD		C8	2200	C -39 2284	
50	9.9	9.9W	55 41.177	0.0028	21	-35 0 25.81	0.035	21	0.43	41.127	22	32.1	26.43	21	32.1	F2		C7	2458	C -34 2554	
51	11.0	10.0W	5 55 43.095	0.0003	21	-31 26 58.18	0.007	21	0.43	43.089	22	32.1	58.31	21	32.1			C7	2459	C -31 2866	
52		4.4H	55 45.769	-0.0003	02	-35 17 15.18	0.008	02	0.10	45.782	05	09.2	15.52	05	07.9	B3		F4	1160	C -35 2612	
53	10.1	9.2W	55 47.352	-0.0113	18	-37 51 11.97	0.091	18	0.31	47.509	15	36.1	13.24	21	36.1	G5		C8	2202	C -37 2505	
54	10.6	10.0W	55 54.711	0.0016	21	-34 58 47.59	-0.025	21	0.43	54.683	22	32.1	47.15	21	32.1	F2	L	C7	2460	C -34 2557	
55	9.6	9.5W	56 0.207	-0.0015	06	-35 6 4.12	-0.023	06	0.20	0.228	15	36.1	4.44	21	36.1	F8		C8	2203	C -35 2615	
56	8.7	7.4W	56 4.371	0.0017	21	-31 55 29.02	-0.022	21	0.43	4.340	22	32.1	28.62	21	32.1	K2		C7	2461	C -31 2871	
57		7.5T	56 4.746	0.0013	12	-34 28 46.44	-0.011	12	0.63	4.681	18	99.6	45.87	18	98.7	A2		GC	7548	C -34 2560	
58	9.9	9.9W	56 4.983	-0.0015	21	-31 39 23.21	0.012	21	0.43	5.010	22	32.1	23.42	21	32.1	FD		C7	2463	C -31 2870	
59	9.9	9.6W	56 7.111	-0.0001	21	-32 50 23.86	-0.052	21	0.43	7.112	22	32.1	22.93	21	32.1	GD		C7	2464	C -32 2676	
60	8.7	8.4W	56 18.222	-0.0005	09	-35 48 11.30	-0.055	09	0.22	18.229	15	36.1	10.54	21	36.1	GD		C8	2204	C -35 2620	
61	9.5	9.5W	56 24.205	-0.0004	21	-33 30 33.76	0.021	21	0.43	24.212	22	32.1	34.14	21	32.1	A5		C7	2465	C -33 2649	
62	9.7	9.5W	56 28.183	0.0010	18	-37 22 3.46	0.013	18	0.31	28.169	15	36.1	3.64	21	36.1	GD		C8	2206	C -37 2513	
63	9.1	9.0W	56 31.293	-0.0020	21	-31 1 21.86	-0.031	21	0.43	31.329	22	32.1	23.30	21	32.1	F2		C7	2466	C -31 2878	
64	9.1	9.4W	56 32.893	-0.0015	21	-31 52 49.88	-0.003	21	0.43	32.920	22	32.1	49.82	21	32.1	AD		C7	2467	C -31 2879	
65	9.8	9.7W	56 35.194	-0.0025	13	-35 40 4.72	0.016	13	0.26	35.229	15	36.1	4.94	21	36.1	F5		C8	2207	C -35 2621	
66	9.3	9.3W	56 35.321	-0.0006	13	-36 49 29.78	-0.039	13	0.26	35.329	15	36.1	29.24	21	36.1	FD		C8	2208	C -36 2567	
67	9.7	9.8W	56 35.584	0.0002	21	-31 44 46.54	0.016	21	0.43	35.580	22	32.1	46.82	21	32.1	A3	L	C7	2468	C -31 2880	
68	10.6	9.8W	56 41.671	-0.0010	21	-30 41 40.07	-0.009	21	0.43	41.689	22	32.1	39.90	21	32.1	KD	L	C7	2469	C -30 2745	
69	9.5	9.3W	56 42.729	-0.0001	21	-32 47 2.70	0.024	21	0.43	42.732	22	32.1	3.14	21	32.1	F5		C7	2470	C -32 2684	
70	9.5	9.4W	56 52.251	0.0023	21	-31 31 58.41	0.023	21	0.43	52.210	22	32.1	58.82	21	32.1	FD		C7	2471	C -31 2881	
71	9.2	8.9W	56 53.650	0.0007	21	-35 0 47.47	-0.013	21	0.43	53.637	22	32.1	47.23	21	32.1	F8		C7	2472	C -35 2625	
72	10.1	10.2W	56 54.077	-0.0000	21	-30 27 47.55	0.024	21	0.43	54.078	22	32.1	47.98	21	32.1	A5	L	C7	2473	C -30 2746	
73	9.4	9.0W	56 59.953	0.0001	13	-39 42 28.15	-0.044	13	0.26	59.951	15	36.1	27.54	21	36.1	F8		C8	2209	C -39 2294	
74	10.9		57 6.581	0.0009	18	-36 28 2.37	-0.002	18	0.31	6.568	15	36.1	2.34	21	36.1	F8	L	C8	2210	C -36 2571	
75		8.4T	57 8.541	-0.0024	13	-34 21 42.29	-0.001	13	0.69	8.659	17	01.0	42.24	19	99.4	G5		GC	7577	C -34 2571	
76	10.3	8.8W	57 9.707	-0.0002	13	-38 4 34.57	-0.045	13	0.26	9.709	15	36.1	33.94	21	36.1	KD		C8	2211	C -38 2333	
77	8.8	8.0W	57 12.655	-0.0003	18	-36 59 48.03	-0.035	18	0.31	12.659	15	36.1	47.54	21	36.1	G5		C8	2212	C -37 2519	
78		7.8T	57 21.570	0.0007	13	-33 49 15.73	0.038	12	0.68	21.535	18	99.4	17.70	18	98.1	A5		GC	7581K	C*-33 2660	
79	9.5	9.7W	57 23.520	-0.0008	13	-39 44 3.80	-0.040	13	0.26	23.531	15	36.1	3.24	21	36.1	FD		C8	2213	C -39 2302	
80	8.0	7.3W	57 24.613	-0.0004	21	-32 12 42.05	0.015	21	0.43	24.620	22	32.1	42.32	21	32.1	G5		C7	2476	C -32 2696	
81	9.8	9.6W	57 25.494	-0.0026	21	-31 37 12.74	-0.023	21	0.43	25.540	22	32.1	12.32	21	32.1	F8		C7	2477	C -31 2888	
82	8.8	8.5W	57 33.222	-0.0071	18	-38 42 49.47	0.070	18	0.31	33.320	15	36.1	50.44	21	36.1	GD		C8	2214	C -38 2338	
83	10.6	10.1W	57 33.855	-0.0025	21	-31 27 39.82	0.016	21	0.43	33.899	22	32.1	40.10	21	32.1	GD	L	C7	2478	C -31 2890	
84	9.6	9.9W	57 37.525	-0.0043	21	-33 31 7.55	0.055	21	0.43	37.602	22	32.1	8.54	21	32.1	AD		C7	2479	C -33 2663	
85	9.7	9.6W	57 47.321	0.0001	21	-30 39 58.95	0.020	21	0.43	47.319	22	32.1	59.31	21	32.1	F2		C7	2480	C -30 2754	
86	10.2	9.6W	57 48.155	0.0019	21	-32 36 38.20	-0.004	21	0.43	48.121	22	32.1	38.13	21	32.1	KD	L	C7	2481	C -32 2699	
87		7.0T	57 52.529	-0.0031	13	-35 21 17.08	0.034	12	0.62	52.675	15	02.4	18.75	18	00.9	KD		GC	7599	C -35 2631	
88	10.7	9.6W	57 52.661	-0.0015	21	-30 17 34.48	-0.028	21	0.43	52.688	22	32.1	33.98	21	32.1	K5	L	C7	2482	C -30 2755	
89	10.2	9.9W	57 56.416	-0.0036	21	-33 4 50.01	0.012	21	0.43	56.482	22	32.1	50.24	21	32.1	F2	L	C7	2483	C -33 2664	
90	10.2	9.3W	57 57.481	0.0011	21	-33 37 1.78	0.020	21	0.43	57.462	22	32.1	2.14	21	32.1	KD	L	C7	2484	C -33 2665	
91	10.4	10.2W	57 58.807	-0.0001	21	-30 51 32.19	0.012	21	0.43	58.809	22	32.1	32.40	21	32.1	GD	L	C7	2485	C -30 2757	
92	10.7	9.7W	58 0.650	0.0011	21	-31 30 30.46	0.026	21	0.43	0.630	22	32.1	30.92	21	32.1	G5	L	C7	2486	C -31 2892	
93	10.2	9.2W	58 4.885	0.0011	09	-37 11 31.83	-0.007	09	0.22	4.869	15	36.1	31.74	21	36.1	G5		C8	2217	C -37 2531	
94		8.3T	58 8.478	-0.0048	15	-39 14 10.68	-0.015	14	0.74	8.710	21	02.2	9.95	21	00.8	KD		GC	7603	C -39 2312	
95		8.5T	58 11.525	0.0163	18	-37 3 37.59	0.186	22	0.92	10.798	21	05.3	45.61	22	06.9	GD		GC	7604	C -37 2534	
96	8.4	8.3W	58 17.312	-0.0010	21	-30 51 54.31	0.011	21	0.43	17.329	22	32.1	54.50	21	32.1	FD		C7	2487	C -30 2762	
97	9.4	9.0W	58 24.469	-0.0091	21	-34 5 56.06	0.099	21	0.43	24.632	22	32.1	57.84	21	32.1	GD		C7	2488	C -34 2586	
98		8.3T	58 24.680	-0.0028	14	-39 12 28.61	0.042	16	0.77	24.820	22	00.9	30.63	22	02.0	M0		GC	7607	C -39 2314	
99	9.0	8.6W	58 25.973	0.0046	18	-38 10 6.63	-0.035	18	0.31	25.909	15	36.1	6.14	21	36.1	GD		C8	2221	C -38 2348	
00	9.5	8.4W	58 32.446	0.0005	10	-37 37 2.57	-0.002	10	0.23	32.439	15	36.1	2.54	21	36.1	KD		C8	2222	C -37 2536	

196400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 5H DM NUMBER
1	9.6	8.7W	5 58 40.466	-0.0023	21	-30 5 4.35	0.035	21	0.43	40.508	22	32.1	4.98	21	32.1	K5	C7	2490	C -30 2764
2		8.2T	58 42.445	-0.0047	17	-37 2 12.25	-0.207	18	0.84	42.664	22	03.9	2.84	22	04.5	G0	GC	7611	C -37 2539
3	10.3	10.1W	58 45.552	-0.0014	21	-30 28 18.10	0.032	21	0.43	45.578	22	32.1	18.68	21	32.1	F0 L	C7	2491	C -30 2765
4	10.9	10.0W	58 46.427	-0.0002	21	-33 21 25.71	0.029	21	0.43	46.431	22	32.1	26.23	21	32.1	K0 L	C7	2492	C -33 2675
5	10.4	9.1W	58 46.468	-0.0035	21	-32 4 23.07	0.003	21	0.43	46.530	22	32.1	23.12	21	32.1	K5 L	C7	2493	C -32 2710
6	9.4	9.3W	58 55.454	-0.0052	21	-30 13 18.99	-0.023	21	0.43	55.548	22	32.1	18.58	21	32.1	F2	C7	2494	C -30 2768
7	9.1	8.9W	58 58.041	0.0079	09	-39 57 3.31	-0.120	09	0.22	57.931	15	36.1	1.64	21	36.1	F5	C8	2224	C -39 2319
8	9.7	9.4W	59 15.711	-0.0006	21	-34 0 32.31	-0.049	21	0.43	15.722	22	32.1	31.44	21	32.1	F5	C7	2495	C -34 2597
9	8.8	8.5W	59 17.146	-0.0008	21	-31 43 34.59	0.030	21	0.43	17.160	22	32.1	35.12	21	32.1	G0	C7	2496	C -31 2908
10		7.1T	59 19.563	-0.0036	13	-37 4 17.59	0.005	12	0.67	19.744	21	00.2	17.86	21	97.7	G5	GC	7627	C*-37 2546
11	7.4	7.9W	59 24.630	-0.0006	06	-36 28 7.13	-0.014	06	0.20	24.638	15	36.1	6.94	21	36.1	A0	C8	2226	C -36 2591
12	9.9	9.9W	59 25.075	-0.0009	13	-35 20 12.92	0.009	13	0.26	25.088	15	36.1	13.04	21	36.1	F2 L	C8	2227	C -35 2644
13		5.6T	59 27.494	0.0007	05	-33 54 39.51	-0.021	05	0.25	27.463	09	05.3	38.51	10	02.7	K5	GC	7630	C -33 2681
14	9.6	9.0W	59 29.469	0.0007	13	-38 16 20.52	-0.121	13	0.26	29.459	15	36.1	18.84	21	36.1	G0	C8	2228	C -38 2358
15	9.8	9.5W	59 33.205	-0.0009	21	-33 57 26.04	-0.017	21	0.43	33.222	22	32.1	25.74	21	32.1	F5 L	C7	2498	C -33 2682
16	9.6	8.8W	59 41.085	-0.0026	21	-33 44 32.58	0.003	21	0.43	41.132	22	32.1	32.64	21	32.1	K0	C7	2499	C -33 2685
17	9.1	9.0W	59 41.678	-0.0038	13	-39 17 21.09	-0.011	13	0.26	41.730	15	36.1	20.94	21	36.1	F0	C8	2229	C -39 2321
18	10.3	10.1W	59 43.364	-0.0003	21	-31 23 45.92	0.016	21	0.43	43.369	22	32.1	46.20	21	32.1	G2 L	C7	2500	C -31 2917
19	10.1	10.1W	59 44.312	0.0018	21	-31 32 38.73	0.061	21	0.43	44.280	22	32.1	39.82	21	32.1	A8 L	C7	2501	C -31 2918
20	9.8	9.7W	59 45.301	-0.0013	13	-36 45 0.23	0.008	13	0.26	45.319	15	36.1	0.34	21	36.1	F8	C8	2231	C -36 2593
21	10.0	8.8W	59 45.693	0.0010	08	-38 17 6.31	0.002	08	0.22	45.679	15	36.1	6.34	21	36.1	G5	C8	2232	C -38 2363
22		7.3T	59 52.937	-0.0012	13	-35 2 35.30	0.001	12	0.64	52.992	17	02.9	35.35	17	01.7	A2	GC	7647	C -35 2647
23	10.6	9.9W	59 59.941	-0.0022	21	-32 34 23.00	0.018	21	0.43	59.982	22	32.1	23.33	21	32.1	G2 L	C7	2503	C -32 2719
24	8.8	8.1W	6 0 0.177	-0.0045	18	-38 9 57.71	-0.005	18	0.31	0.239	15	36.1	57.64	21	36.1	G5	C8	2233	C -38 2367
25	9.5	10.0W	0 3.215	-0.0025	18	-37 36 59.33	0.008	18	0.31	3.249	15	36.1	59.44	21	36.1	A3	C8	2235	C -37 2553
26	10.0	9.8W	0 3.223	-0.0004	21	-31 49 12.89	0.030	21	0.43	3.230	22	32.1	13.42	21	32.1	F2 L	C7	2505	C -31 2925
27	8.4	8.6W	0 9.899	-0.0047	21	-34 30 41.05	0.022	21	0.43	9.983	22	32.1	41.45	21	32.1	A0	C7	2506	C -34 2604
28	9.9	9.6W	0 15.725	0.0002	21	-34 22 28.92	-0.033	21	0.43	15.722	22	32.1	28.34	21	32.1	F5 L	C7	2507	C -34 2607
29	10.6		0 17.029	-0.0007	18	-35 35 47.73	-0.021	18	0.31	17.039	15	36.1	47.44	21	36.1	A8 L	C8	2237	C -35 2655
30	9.9	9.3W	0 23.267	-0.0073	08	-36 23 40.40	0.111	08	0.22	23.368	15	36.1	41.94	21	36.1	G5	C8	2238	C -36 2597
31	8.7	8.4W	0 24.516	0.0016	21	-30 0 45.77	0.006	21	0.43	24.488	22	32.1	45.88	21	32.1	F8	C7	2508	C -30 2789
32		6.9T	0 26.377	0.0034	13	-38 59 19.61	0.051	12	0.67	26.210	18	00.3	22.31	21	97.1	G5	GC	7659	C -38 2372
33	9.4	9.7W	0 32.137	-0.0019	21	-31 56 9.59	0.030	21	0.43	32.170	22	32.1	10.12	21	32.1	A0	C7	2509	C -31 2930
34	9.4	9.3W	0 44.483	-0.0033	21	-33 39 19.03	-0.011	21	0.43	44.542	22	32.1	18.84	21	32.1	F2	C7	2510	C -33 2694
35	9.0	9.0W	0 46.820	-0.0022	13	-39 18 31.31	0.009	13	0.26	46.850	15	36.1	31.44	21	36.1	A2	C8	2240	C -39 2331
36	8.9	8.6W	0 48.924	0.0002	21	-32 0 47.23	-0.062	21	0.43	48.920	22	32.1	46.12	21	32.1	F8	C7	2511	C -32 2728
37	9.5	9.1W	0 58.309	-0.0083	21	-30 24 13.18	-0.151	21	0.43	58.458	22	32.1	10.48	21	32.1	G5	C7	2513	C -30 2795
38	8.3	8.5W	1 2.410	-0.0017	21	-33 18 11.51	-0.023	21	0.43	2.442	22	32.1	11.93	21	32.1	A2	C7	2514	C -33 2699
39	10.0	10.0W	1 3.842	-0.0049	15	-38 52 55.74	-0.000	15	0.28	3.910	15	36.1	55.74	21	36.1	A3	C8	2241	C -38 2378
40	10.5		1 9.501	0.0009	18	-35 57 45.11	-0.034	18	0.31	9.488	15	36.1	44.64	21	36.1	A8 L	C8	2242	C -35 2660
41	11.0	10.1W	1 11.118	-0.0059	30	-37 37 16.79	0.025	30	0.45	11.199	15	36.1	17.14	21	36.1	K0 L	C8	2243	C -37 2562
42	10.0	9.6W	1 12.615	-0.0082	21	-34 14 37.27	-0.052	21	0.43	12.762	22	32.1	36.34	21	32.1	G0	C7	2515	C -34 2615
43		6.9T	1 20.680	-0.0001	11	-37 32 41.40	0.005	11	0.58	20.687	17	00.4	41.67	18	97.9	A2	GC	7682	C -37 2564
44	9.8	9.8W	1 23.379	-0.0029	18	-36 37 15.00	-0.019	18	0.31	23.419	15	36.1	14.74	21	36.1	F2	C8	2245	C -36 2606
45		7.0T	1 24.787	-0.0022	12	-36 52 13.60	-0.013	12	0.66	24.900	19	99.7	12.92	19	97.4	B9	GC	7684	C -36 2609
46	9.7	8.8W	1 26.227	0.0009	21	-32 4 36.82	0.034	21	0.43	26.210	22	32.1	37.42	21	32.1	K0	C7	2516	C -32 2732
47	10.7	9.9W	1 27.604	-0.0015	21	-32 20 55.30	0.029	21	0.43	27.630	22	32.1	55.82	21	32.1	G5 L	C7	2517	C -32 2733
48	9.5	9.2W	1 31.278	-0.0066	23	-37 57 37.73	0.080	23	0.37	31.369	15	36.1	38.84	21	36.1	F8	C8	2247	C -37 2566
49	9.6	9.0W	1 37.235	-0.0026	21	-33 38 3.02	-0.010	21	0.43	37.282	22	32.1	2.84	21	32.1	G5	C7	2518	C -33 2703
50	9.3	8.6W	1 38.707	-0.0002	21	-33 4 21.47	-0.002	21	0.43	38.711	22	32.1	21.44	21	32.1	G5	C7	2519	C -33 2704
51	10.1	8.6W	6 1 40.422	0.0001	13	-39 3 28.57	-0.009	13	0.26	40.420	15	36.1	28.44	21	36.1	K2	C8	2248	C -39 2344
52	9.4	9.5W	1 41.215	-0.0019	21	-30 53 10.86	0.025	21	0.43	41.249	22	32.1	11.30	21	32.1	B9	C7	2520	C -30 2800
53	9.1	9.2W	1 41.254	-0.0019	18	-38 52 30.71	0.009	18	0.31	41.280	15	36.1	30.84	21	36.1	A2	C8	2249	C -38 2386
54	10.7	9.9W	1 48.098	-0.0047	21	-34 22 27.90	0.030	21	0.43	48.182	22	32.1	28.44	21	32.1	G5 L	C7	2521	C -34 2620
55	10.5	9.2W	1 53.045	-0.0019	21	-31 0 53.79	-0.016	21	0.43	53.079	22	32.1	53.50	21	32.1	K2 L	C7	2522	C -31 2946
56	10.6	9.5W	2 4.902	-0.0039	21	-34 22 8.85	0.044	21	0.43	4.972	22	32.1	9.64	21	32.1	K0 L	C7	2523	C -34 2623
57	9.8	8.8W	2 12.515	0.0012	13	-35 6 48.75	-0.058	13	0.26	12.498	15	36.1	47.94	21	36.1	K5	C8	2250	C -35 2671
58	10.4	9.4W	2 15.206	-0.0036	21	-32 52 16.22	0.006	21	0.43	15.272	22	32.1	16.33	21	32.1	K0 L	C7	2524	C -32 2742
59		5.6T	2 28.626	-0.0013	07	-32 10 11.70	-0.129	08	0.34	28.680	14	09.9	17.01	12	08.9	B3	GC	7708	C*-32 2743
60	9.5	8.1W	2 29.012	-0.0007	13	-39 49 56.37	-0.002	13	0.26	29.021	15	36.1	56.34	21	36.1	K0	C8	2251	C -39 2354
61	10.2	9.0W	2 32.053	-0.0016	21	-33 32 4.29	0.014	21	0.43	32.082	22	32.1	4.54	21	32.1	K0	C7	2526	C -33 2709
62	10.0	10.0W	2 36.125	0.0031	21	-31 27 36.17	0.013	21	0.43	38.069	22	32.1	36.41	21	32.1	A2 L	C7	2527	C -31 2960
63	9.9	8.8W	2 38.207	-0.0036	21	-33 56 15.72	0.023	21	0.43	38.272	22	32.1	16.14	21	32.1	K2	C7	2528	C -33 2712
64	10.6	9.1W	2 42.033	0.0012	21	-34 3 11.30	-0.009	21	0.43	42.012	22	32.1	11.14	21	32.1	K5 L	C7	2529	C -34 2631
65	10.6	9.2W	2 44.202	0.0007	21	-31 6 18.23	0.032	21	0.43	44.189	22	32.1	18.81	21	32.1	K2 L	C7	2530	C -31 2962
66	10.0	8.6W	2 52.137	0.0005	08	-36 42 18.28	-0.032	08	0.22	52.129	15	36.1	17.84	21	36.1	K	C8	2252	C -36 2629
67	8.1	8.5W	2 52.874	-0.0011	08	-36 38 55.41	-0.012	08	0.22	52.889	15	36.1	55.24	21	36.1	B9	C8	2253	C -36 2631
68	9.8	9.8W	2 53.360	-0.0035	13	-36 10 2.07	-0.024	13	0.26	53.409	15	36.1	1.74	21	36.1	F5	C8	2254	C -36 2630
69	10.1	9.9W	3 3.736	-0.0025	21	-31 34 42.78	0.036	21	0.43	3.780	22	32.1	43.42	21	32.1	F5 L	C7	2531	C -31 2965
70	10.3	9.6W	3 4.543	-0.0048	18	-37 59 22.67	0.034	18	0.31	4.609	15	36.1	23.14	21	36.1	K2	C8	2255	C -37 2579
71	10.0	9.0W	3 4.666	-0.0008	21	-32 50 10.08	-0.053	21	0.43	4.681	22	32.1	9.13	21	32.1	K2 L	C7	2532	C -32 2751
72	10.2	10.1W	3 5.102	-0.0021	21	-30 44 12.00	0.034	21	0.43	5.139	22	32.1	12.61	21	32.1	F5 L	C7	2533	C -30 2817
73	9.5	9.2W	3 6.125	-0.0011	18	-38 44 29.54	0.007	18	0.31	6.140	15	36.1	29.64	21	36.1	F0	C8	2256	C -38 2403
74	10.8	9.9W	3 7.881	-0.0027	21	-31 18 45.29	0.012	21	0.43	7.929	22	32.1	45.50	21	32.1		C7	2534	C -31 2967
75	9.3	8.5W	3 13.217	0.0009	21	-32 59 24.51	0.057	21	0.43	13.201	22	32.1	25.54	21	32.1	G0	C7	2535	C -32 2753
76	9.3	8.5W	3 16.577	0.0013	08	-35 47 40.16	0.020	08	0.22	16.558	15	36.1	40.44	21	36.1	K0	C8	2257	C -35 2678
77	10.4	9.7W	3 18.064	-0.0031	21	-30 54 59.40	0.006	21	0.43	18.119	22	32.1	59.50	21	32.1	G5 L	C7	2536	C -30 2821
78	9.3	9.4W	3 18.773	0.0030	09	-39 42 14.01	0.002	09	0.22	18.731	15	36.1	14.04	21	36.1	A0	C8	2258	C -39 2361
79	7.9	8.0W	3 20.389	-0.0029	21	-32 43 32.23	0.000	21	0.43	20.442	22	32.1	32.24	21	32.1	A2	C7	2537	C -32 2754
80	10.5	9.3W	3 20.783	-0.0060	21	-33 8 27.72	0.006	21	0.43	20.892	22	32.1	27.83	21	32.1	G2 L	C7	2538	C -33 2721
81	9.7	9.7W	3 34.676	0.0015	21	-30 30 26.28	0.035	21	0.43	34.649	22	32.1	26.91	21	32.1	F2	C7	2539	C -30 2825
82		7.3T	3 38.844	-0.0024	13	-33 29 47.99	-0.022	12	0.67	38.964	18	00.8	46.87	18	99.0	B9	GC	7734	C -33 2724
83		5.9T	3 41.011	0.0000	12	-35 30 29.75	0.017	12	0.66	41.011	19	99.3	30.67	18	96.1	A2	GC	7735	C -35 2684
84		8.3T	3 42.844	-0.0011	16	-35 31 44.13	0.209	14	0.74	42.895	19	03.4	54.10	19	02.3	F2	GC	7738	C -35 2685
85	9.4	8.7W	3 48.320	-0.0011	21	-31 23 7.51	0.022	21	0.43	48.339	22	32.1	7.90	21	32.1	G5	C7	2541	C -31 2984
86	9.8	9.0W	3 50.440	0.0000	21	-32 18 43.43	0.078	21	0.43	50.440	22	32.1	44.82	21	32.1	K0	C7	2542	C -32 2760
87	9.5	8.8W	4 1.503	-0.0010	21	-33 24 15.30	0.013	21	0.42	1.521	22	32.6	15.53	21	32.6	G5	C7	2544	C -33 2728
88	8.8	8.7W	4 5.595	-0.0003	21	-32 2 20.91	-0.045	21	0.42	5.600	22	32.6	20.12	21	32.6	F5	C7	2545	C -32 2766
89	9.8	8.6W	4 14.425	-0.0005	13	-39 39 17.94	-0.029	13	0.26	14.431	15	36.1	17.54	21	36.1	K0	C8	2262	C -39 2372
90		6.8T	4 15.454	0.0032	14	-33 12 48.64	0.033	12	0.69	15.298	17	00.7	50.33	18	98.8	F5	GC	7758	C*-33 2730
91	10.0	9.7W	4 17.622	-0.0034	21	-32 54 9.07	0.055	21	0.42	17.682	22	32.6	10.04	21	32.6	F5 L	C7	2547	C -32 2768
92	9.9	9.9W	4 25.452	-0.0004	21	-31 1 39.12	-0.018	21	0.42	25.459	22	32.6	38.80	21	32.6	F2	C7	2548	C -31 2993
93	8.5	9.1W	4 25.649	0.0005	21	-31 39 50.94	0.039	21	0.42	25.640	22	32.6	51.62	21	32.6	B9	C7	2549	C -31 2995
94	9.5	9.0W	4 26.029	0.0005	21	-32 31 37.83	-0.006	21	0.42	26.021	22	32.6	37.74	21	32.6	K0	C7	2550	C -32 2769
95	10.1	9.1W	4 27.527	0.0012	18	-38 57 58.37	0.034	18	0.31	27.510	15	36.1	58.84	21	36.1	K2	C8	2264	C -38 2418
96	8.2	8.6W	4 31.762	0.0012	21	-32 59 37.33	0.017	21	0.42	31.742	22	32.6	37.63	21	32.6	A0	C7	2551	C -32 2770
97	10.2		4 33.535	-0.0068	18	-37 41 55.65	0.035	18	0.31	33.629	15	36.1	56.14	21	36.1	A3	C8	2265	C -37 2598
98	8.4	8.4W	4 37.145	-0.0033	21	-34 42 59.62	0.030	21	0.42	37.203	22	32.6	+ 0.15	21	32.6	F0	C7	2552	C -34 2649
99	8.1	7.4W	4 52.621	-0.0005	21	-31 24 36.16	-0.009	21	0.42	52.629	22	32.6	36.00	21	32.6	G5	C7	2553	C -31 3003
00	9.3	9.1W	4 59.874	0.0002	21	-31 30 28.53	0.011	21	0.42	59.870	22	32.6	28.72	21	32.6	F8	C7	2554	C -31 3007

196500			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 6H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1	11.0	10.4W	6 5	0.903	-0.0014	21	-30 14	27.66	0.058	21	0.42	0.928	22	32.6	28.68	21	32.6		C7	2555	C -30 2843
2	10.0		5	12.158	-0.0030	18	-36 43	52.36	-0.009	18	0.31	12.199	15	36.1	52.24	21	36.1	A5	C8	2267	C -36 2656
3		5.9T	5	15.494	-0.0003	06	-34 18	16.36	0.002	05	0.28	15.507	12	06.4	16.46	12	00.5	B5	GC	7788	C#-34 2655
4	8.1	8.0W	5	15.575	0.0014	21	-31 53	26.64	0.051	21	0.42	15.550	22	32.6	27.52	21	32.6	F5	C7	2557	C -31 3008
5	8.6	7.8W	5	16.582	-0.0011	21	-32 30	30.13	0.029	21	0.42	16.602	22	32.6	30.64	21	32.6	K0	C7	2558	C -32 2777
6	10.1	9.9W	5	21.638	-0.0023	13	-36 32	19.68	-0.032	13	0.26	21.669	15	36.1	19.24	21	36.1	F2	C8	2270	C -36 2658
7	9.2	9.1W	5	29.675	-0.0004	13	-39 14	57.05	-0.037	13	0.26	29.680	15	36.1	56.54	21	36.1	F2	C8	2271	C -39 2389
8	9.5	8.1W	5	31.595	0.0015	21	-30 37	9.91	-0.029	21	0.42	31.569	22	32.6	9.40	21	32.6	K5	C7	2559	C -30 2849
9		7.5T	5	33.803	0.0001	13	-37 1	43.46	-0.025	09	0.63	33.800	19	00.0	42.08	18	94.4	K5	GC	7795	C -37 2605
10		7.4T	5	35.867	-0.0035	10	-37 11	32.54	-0.015	08	0.52	36.058	18	96.0	31.67	18	91.5	G5	GC	7798	C -37 2607
11	7.6	7.8W	5	42.560	0.0002	13	-35 13	0.42	-0.013	13	0.26	42.558	15	36.1	0.24	21	36.1	A0	C8	2274	C -35 2707
12		7.7T	5	46.044	-0.0001	12	-36 18	5.12	-0.029	12	0.63	46.049	17	99.5	3.62	19	98.2	A0	GC	7802	C -36 2660
13	10.7		5	48.209	-0.0007	18	-35 47	51.24	-0.000	18	0.31	48.219	15	36.1	51.24	21	36.1	G2 L	C8	2276	C -35 2708
14		5.1T	5	48.671	-0.0003	04	-37 14	41.29	0.000	03	0.16	48.685	07	09.4	41.30	07	06.2	B9	GC	7805	C#-37 2609
15	8.7	8.1W	5	53.037	-0.0020	21	-34 28	40.08	-0.014	21	0.42	53.072	22	32.6	39.84	21	32.6	K0	C7	2560	C -34 2663
16	8.2	7.1W	5	53.812	0.0011	21	-34 37	53.14	0.006	21	0.42	53.793	22	32.6	53.25	21	32.6	K0	C7	2561	C -34 2665
17	9.5	8.6W	6	6.362	-0.0022	21	-32 56	3.58	0.037	21	0.42	6.401	22	32.6	4.23	21	32.6	G5	C7	2562	C -32 2787
18	8.7	8.6W	6	12.950	-0.0022	18	-38 38	6.82	0.016	18	0.31	12.980	15	36.1	7.04	21	36.1	F2	C8	2279	C -38 2433
19	10.6	9.6W	6	14.185	0.0009	21	-31 10	36.36	0.003	21	0.42	14.169	22	32.6	36.41	21	32.6	K2 L	C7	2563	C -31 3019
20	9.2	9.1W	6	15.462	-0.0005	21	-32 45	9.00	0.013	21	0.42	15.472	22	32.6	9.24	21	32.6	F8	C7	2564	C -32 2790
21	8.9	9.1W	6	21.625	-0.0014	21	-31 21	13.88	0.036	21	0.42	21.849	22	32.6	14.50	21	32.6	A5	C7	2565	C -31 3021
22	9.1	9.1W	6	22.557	-0.0010	09	-38 57	28.16	-0.023	09	0.22	22.570	15	36.1	27.84	21	36.1	F0	C8	2280	C -38 2435
23	9.7	8.0W	6	26.978	-0.0010	13	-39 58	47.32	-0.013	13	0.26	26.991	15	36.1	47.14	21	36.1	MA	C8	2281	C -39 2398
24	10.0	9.7W	6	41.972	-0.0027	21	-30 30	12.71	0.103	21	0.42	42.019	22	32.6	14.50	21	32.6	G5 L	C7	2566	C -30 2861
25	9.7	9.6W	6	53.863	-0.0010	21	-31 34	37.79	0.025	21	0.42	53.880	22	32.6	38.21	21	32.6	F5	C7	2567	C -31 3028
26	8.3	8.6W	6	54.256	-0.0024	21	-35 0	29.19	-0.015	21	0.42	54.297	22	32.6	28.93	21	32.6	A0	C7	2568	C -34 2678
27	8.0	8.0W	6	59.356	0.0014	21	-34 24	25.18	-0.008	21	0.42	59.332	22	32.6	25.04	21	32.6	F0	C7	2569	C -34 2680
28		8.0T	7	4.247	0.0082	13	-36 7	5.36	-0.125	11	0.64	3.844	17	00.8	58.84	18	97.8	F2	GC	7834	C -36 2674
29	10.5	9.6W	7	5.262	-0.0010	21	-31 22	32.94	0.004	21	0.42	5.279	22	32.6	33.01	21	32.6	K0 L	C7	2570	C -31 3032
30	9.6	9.2W	7	9.949	-0.0051	18	-37 22	36.29	-0.004	18	0.31	10.019	15	36.1	36.24	21	36.1	F8	C8	2285	C -37 2623
31	9.1	8.8W	7	14.388	-0.0008	13	-36 47	19.56	0.020	13	0.26	14.399	15	36.1	19.84	21	36.1	F5	C8	2286	C -36 2677
32	7.8	8.1W	7	16.403	-0.0005	09	-38 3	17.40	-0.004	09	0.22	16.409	15	36.1	17.34	21	36.1	A0	C8	2287	C -38 2448
33	9.5	8.5W	7	28.208	-0.0001	21	-31 51	28.87	0.020	21	0.42	28.210	22	32.6	29.22	21	32.6	K2	C7	2571	C -31 3037
34	9.6	9.6W	7	29.212	-0.0039	21	-32 24	14.20	0.007	21	0.42	29.280	22	32.6	14.32	21	32.6	A0	C7	2572	C -32 2804
35	9.5	9.4W	7	32.037	-0.0020	21	-34 5	4.61	0.013	21	0.42	32.072	22	32.6	4.84	21	32.6	F5	C7	2573	C -34 2686
36		8.0T	7	36.335	0.0000	12	-31 0	49.48	-0.004	12	0.64	36.333	21	98.2	49.29	17	99.8	K0	GC	7848	C -30 2871
37	8.4	8.4W	7	38.389	-0.0048	21	-34 56	24.82	0.030	21	0.42	38.473	22	32.6	25.35	21	32.6	F0	C7	2575	C -34 2688
38	9.6	8.4W	7	42.740	-0.0006	21	-32 3	23.78	-0.015	21	0.42	42.750	22	32.6	23.52	21	32.6	K2	C7	2576	C -32 2807
39	9.1	9.3W	7	44.258	-0.0014	23	-35 7	14.23	0.001	23	0.37	44.278	15	36.1	14.24	21	36.1	A3	C8	2289	C -35 2725
40	10.5	9.2W	7	48.760	-0.0006	23	-36 7	32.06	0.006	23	0.37	48.768	15	36.1	32.14	21	36.1	K5 L	C8	2290	C -36 2678
41	8.3	8.6W	7	49.668	-0.0002	21	-34 10	10.42	0.007	21	0.42	49.672	22	32.6	10.54	21	32.6	A0	C7	2577	C -34 2692
42	10.9	10.0W	8	9.468	-0.0012	21	-31 21	57.59	0.024	21	0.42	9.489	22	32.6	58.00	21	32.6	G5 L	C7	2578	C -31 3043
43	10.3	9.7W	8	11.681	-0.0005	21	-30 42	12.40	0.006	21	0.42	11.889	22	32.6	12.50	21	32.6	G5 L	C7	2579	C -30 2881
44	9.8	9.7W	8	12.643	-0.0033	13	-35 44	47.08	-0.010	13	0.26	12.689	15	36.1	46.94	21	36.1	F0	C8	2291	C -35 2728
45	9.1	9.3W	8	13.261	-0.0029	13	-39 32	53.52	0.016	13	0.26	13.301	15	36.1	53.74	21	36.1	A2	C8	2292	C -39 2412
46	9.2	9.0W	8	13.549	0.0046	21	-30 53	54.36	0.020	21	0.42	13.469	22	32.6	54.71	21	32.6	G5	C7	2580	C -30 2882
47	9.7	10.1W	8	16.228	-0.0013	21	-31 40	45.70	0.036	21	0.42	16.250	22	32.6	46.32	21	32.6	A0	C7	2581	C -31 3046
48	10.4	9.7W	8	17.690	-0.0008	18	-38 47	43.90	0.003	18	0.31	17.700	15	36.1	43.94	21	36.1	G2 L	C8	2294	C -38 2458
49	10.4	9.7W	8	20.394	0.0004	13	-36 1	30.48	-0.025	13	0.26	20.398	15	36.1	30.14	21	36.1	K0 L	C8	2295	C -36 2685
50	9.2	9.4W	8	21.698	-0.0024	21	-31 22	40.40	0.012	21	0.42	21.739	22	32.6	40.60	21	32.6	A3	C7	2582	C -31 3048
51	10.1	9.2W	6 8	23.686	-0.0002	21	-30 39	12.00	-0.034	21	0.42	23.689	22	32.6	11.40	21	32.6	K0 L	C7	2583	C -30 2885
52	9.8	8.7W	8	29.196	0.0018	13	-39 11	51.98	-0.003	13	0.26	29.170	15	36.1	51.94	21	36.1	K5	C8	2296	C -39 2417
53	10.0	9.8W	8	31.301	-0.0028	21	-30 38	32.85	-0.014	21	0.42	31.349	22	32.6	32.61	21	32.6	G0 L	C7	2584	C -30 2886
54	9.0	8.9W	8	31.511	-0.0011	21	-32 25	20.83	-0.012	21	0.42	31.530	22	32.6	20.62	21	32.6	F2	C7	2585	C -32 2815
55	10.3	10.1W	8	31.654	-0.0021	21	-32 34	40.17	-0.014	21	0.42	31.691	22	32.6	39.93	21	32.6	G2 L	C7	2586	C -32 2816
56	9.2	8.8W	8	32.581	-0.0028	18	-37 50	23.60	0.082	18	0.31	32.619	15	36.1	24.74	21	36.1	F8	C8	2297	C -37 2642
57	8.7	8.6W	8	35.335	0.0009	21	-30 47	15.69	0.047	21	0.42	35.319	22	32.6	16.50	21	32.6	F0	C7	2587	C -30 2887
58	8.5	8.9W	8	35.433	-0.0011	13	-35 45	27.26	0.013	13	0.26	35.448	15	36.1	27.44	21	36.1	A0	C8	2298	C -35 2733
59		6.7T	8	44.646	0.0002	10	-34 48	18.87	0.012	09	0.56	44.637	18	95.6	19.55	18	92.1	G0	GC	7879	C -34 2699
60	10.2	9.0W	8	50.039	-0.0007	21	-33 5	25.20	0.042	21	0.42	50.052	22	32.6	25.94	21	32.6	K2	C7	2589	C -33 2775
61	10.3	9.8W	8	55.987	-0.0043	21	-34 14	5.04	-0.029	21	0.42	56.062	22	32.6	4.54	21	32.6	F5	C7	2590	C -34 2701
62	9.5	9.3W	9	8.825	0.0016	21	-30 0	22.07	0.104	21	0.42	8.798	22	32.6	23.88	21	32.6	G0	C7	2591	C -29 2844
63	8.6	7.7W	9	9.228	-0.0013	21	-31 45	42.29	-0.044	21	0.42	9.250	22	32.6	41.52	21	32.6	K0	C7	2592	C -31 3058
64	10.2	9.5W	9	9.398	-0.0024	21	-31 28	46.54	0.021	21	0.42	9.439	22	32.6	46.90	21	32.6	G5	C7	2593	C -31 3059
65	9.2	9.2W	9	11.794	-0.0033	21	-34 27	58.26	0.016	21	0.42	11.852	22	32.6	58.54	21	32.6	A0	C7	2594	C -34 2705
66	9.2	9.0W	9	13.456	-0.0038	21	-34 12	27.43	-0.034	21	0.42	13.522	22	32.6	26.84	21	32.6	F5 L	C7	2595	C -34 2706
67	10.5	9.8W	9	20.556	-0.0009	13	-36 13	16.42	0.001	13	0.26	20.568	15	36.1	16.44	21	36.1	G8 L	C8	2301	C -36 2692
68		7.4T	9	26.679	-0.0017	12	-33 51	29.94	0.004	10	0.57	26.597	15	01.6	30.13	17	00.5	K2	GC	7900	C#-33 2779
69	10.9	9.8W	9	30.287	0.0026	21	-33 50	30.15	0.011	21	0.42	30.242	22	32.6	30.34	21	32.6		C7	2597	C -33 2780
70	10.8	9.6W	9	32.877	-0.0007	21	-31 17	47.40	0.012	21	0.42	32.889	22	32.6	47.60	21	32.6		C7	2598	C -31 3062
71	8.2	8.5W	9	36.628	0.0007	13	-36 23	44.32	0.001	13	0.26	36.618	15	36.1	44.34	21	36.1	A0	C8	2302	C -36 2696
72	11.2	11.4W	9	39.401	0.0028	21	-32 40	51.11	-0.062	21	0.42	39.352	22	32.6	50.03	21	32.6		C7	2599	C -32 2828
73	9.8	9.8W	9	39.402	-0.0028	21	-32 41	40.05	-0.030	21	0.42	39.452	22	32.6	39.53	21	32.6	F2 L	C7	2600	C -32 2829
74	9.3	9.2W	9	40.041	-0.0011	21	-31 30	22.91	0.041	21	0.42	40.060	22	32.6	23.62	21	32.6	F2	C7	2601	C -31 3004
75	10.9		9	47.340	-0.0050	18	-37 38	5.42	0.030	18	0.31	47.409	15	36.1	5.84	21	36.1	F8 L	C8	2305	C -37 2658
76	9.4	8.8W	9	51.138	-0.0007	21	-31 57	41.82	-0.000	21	0.42	51.150	22	32.6	41.82	21	32.6	G5	C7	2602	C -31 3009
77	11.1	10.5W	9	52.522	-0.0028	21	-32 40	23.61	-0.022	21	0.42	52.571	22	32.6	23.24	21	32.6	K2 L	C7	2603	C -32 2833
78	9.4	9.7W	9	55.962	-0.0013	13	-36 49	29.60	0.010	13	0.26	55.979	15	36.1	29.74	21	36.1	B9	C8	2306	C -36 2699
79	10.3		10	19.430	0.0001	13	-36 8	18.38	-0.053	13	0.26	19.428	15	36.1	17.64	21	36.1	F8 L	C8	2307	C -36 2704
80	8.4	8.6W	10	27.932	-0.0038	21	-30 28	4.40	-0.001	21	0.42	27.998	22	32.6	4.38	21	32.6	B9	C7	2604	C -30 2917
81	10.5	9.9W	10	27.975	-0.0014	21	-31 14	38.05	0.026	21	0.42	27.999	22	32.6	38.51	21	32.6	G5 L	C7	2605	C -31 3078
82	9.7	9.2W	10	30.091	0.0008	08	-36 44	29.77	-0.096	08	0.22	30.079	15	36.1	28.44	21	36.1	G0	C8	2308	C -36 2709
83	10.6	9.2W	10	30.335	-0.0031	21	-30 32	48.55	0.015	21	0.42	30.389	22	32.6	48.80	21	32.6		C7	2606	C -30 2919
84	10.0	8.7W	10	40.844	-0.0003	13	-35 14	31.76	-0.030	13	0.26	40.848	15	36.1	31.34	21	36.1	K2	C8	2309	C -35 2756
85		6.9T	10	44.869	-0.0013	14	-36 32	59.85	-0.010	11	0.67	44.936	17	00.4	59.33	19	96.9	B3	GC	7937	C#-36 2714
86		8.6T	10	46.162	-0.0001	18	-32 12	33.76	-0.014	14	0.81	46.168	19	03.3	33.06	18	00.1	A3	GC	7938	C -32 2842
87	10.3	9.2W	10	57.757	-0.0016	13	-37 55	2.74	0.007	13	0.26	57.779	15	36.1	2.84	21	36.1	K0	C8	2311	C -37 2667
88	9.5	8.1W	10	59.467	-0.0009	13	-36 37	3.60	-0.026	13	0.26	59.479	15	36.1	3.24	21	36.1	G5	C8	2312	C -36 2718
89	11.1	9.7W	11	0.106	-0.0010	18	-38 28	39.93	0.015	18	0.31	0.119	15	36.1	40.14	21	36.1		C8	2313	C -38 2496
90	9.8	9.7W	11	6.507	-0.0016	13	-36 33	15.03	0.008	13	0.26	6.529	15	36.1	15.14	21	36.1	F	C8	2314	C -36 2720
91	7.7	8.2W	11	6.546	-0.0017	07	-37 4	1.45	-0.008	07	0.21	6.569	15	36.1	1.34	21	36.1	B8	C8	2315	C -37 2668
92		8.9T	11	10.461	-0.0001	18	-30 33	22.92	-0.027	22	0.97	10.463	22	03.6	21.71	22	04.4	K5	GC	7948	C -30 2928
93	9.6	9.5W	11	13.050	-0.0006	21	-32 54	16.01	-0.005	21	0.42	13.062	22	32.6	15.93	21	32.6	F8 L	C7	2609	C -32 2847
94	9.0	8.4W	11	13.550	0.0010	21	-34 33	38.03	-0.074	21	0.42	13.533	22	32.6	36.75	21	32.6	K2	C7	2610	C -34 2727
95	10.0	9.6W	11	16.505	0.0036	21	-32 49	11.10	-0.016	21	0.42	16.442	22	32.6	10.83	21	32.6	G5 L	C7	2611	C -32 2849
96	7.8	8.1W	11	18.710	-0.0016	21	-30 4	16.14	0.048	21	0.42	18.738	22	32.6	16.98	21	32.6	A0	C7	2612	C -30 2931
97	10.4	10.5W	11	23.081	-0.0023	21	-33 2	58.14	0.028	21	0.42	23.121	22	32.6	58.63	21	32.6	A8 L	C7	2613	C -33 2799
98	9.9	9.8W	11	32.316	-0.0029	13	-36 16	45.99	0.011	13	0.26	32.358	15	36.1	46.14	21	36.1	F2	C8	2316	C -36 2726
99	9.3	9.1W	11	33.423	-0.0012	13	-36 43	5.24	-0.014	13	0.26	33.439	15	36.1	5.04	21	36.1	F5	C8	2317	C -36 2727
00	10.7	10.0W	11	36.211	-0.0015	21	-30 2	30.97	0.029	21	0.42	36.238	22	32.6	31.48	21	32.6	G5 L	C7	2614	C -30 2934

196600

EPOCH 1950											ORIGINAL EPOCH							SP.		SOURCE		-30° 6H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01								
1	10.3	10.4W	6 11 38.431	-0.0046	21	-33 21 23.13	-0.006	21	0.42	38.512	22	32.6	23.03	21	32.6	A2	L	C7	2615	C -33 2804		
2	10.1	10.1W	11 41.745	-0.0030	21	-30 7 17.50	0.039	21	0.42	41.798	22	32.6	18.18	21	32.6	F2	L	C7	2616	C -30 2936		
3	11.2	9.9W	11 46.012	0.0001	21	-32 55 25.23	-0.046	21	0.42	46.012	22	32.6	24.43	21	32.6			C7	2617	C -32 2852		
4	9.2	8.3W	11 46.536	-0.0009	08	-35 47 10.96	0.020	08	0.22	46.549	15	36.1	11.24	21	36.1	K0		C8	2319	C -35 2766		
5	10.9	10.3W	11 48.633	-0.0016	21	-32 57 5.11	-0.005	21	0.42	48.662	22	32.6	5.03	21	32.6			C7	2618	C -32 2854		
6	10.4	9.3W	11 49.725	-0.0039	13	-37 27 33.67	0.005	13	0.26	49.779	15	36.1	33.74	21	36.1	K2	L	C8	2320	C -37 2679		
7	9.3	9.4W	11 55.521	0.0007	21	-30 59 34.01	-0.006	21	0.42	55.509	22	32.6	33.90	21	32.6	A5		C7	2619	C -30 2937		
8	11.3	10.3W	11 59.476	-0.0043	21	-33 1 57.32	0.018	21	0.42	59.551	22	32.6	57.64	21	32.6			C7	2620	C -33 2813		
9	9.0	8.1W	12 9.733	-0.0026	18	-37 32 38.74	-0.000	18	0.31	9.769	15	36.1	38.74	21	36.1	K2		C8	2322	C -37 2681		
10	9.5	8.6W	12 10.810	-0.0022	18	-38 46 59.48	-0.039	18	0.31	10.840	15	36.1	58.94	21	36.1	K2		C8	2323	C -38 2511		
11	10.6	9.9W	12 13.525	-0.0027	21	-33 56 38.26	0.016	21	0.42	13.572	22	32.6	38.54	21	32.6	G2	L	C7	2621	C -33 2817		
12	9.3	9.4W	12 13.670	-0.0058	21	-33 10 40.62	-0.005	21	0.42	13.772	22	32.6	40.54	21	32.6	A		C7	2622	C -33 2816		
13	9.6	10.0W	12 16.777	-0.0019	21	-32 15 56.94	0.005	21	0.42	16.810	22	32.6	57.02	21	32.6	A5	L	C7	2623	C -32 2862		
14	10.8	10.6W	12 22.357	-0.0042	21	-32 14 59.27	-0.043	21	0.42	22.430	22	32.6	58.52	21	32.6	F5	L	C7	2624	C -32 2865		
15	10.4	9.1W	12 23.509	0.0010	21	-34 14 19.52	-0.016	21	0.42	23.492	22	32.6	19.24	21	32.6	K5	L	C7	2625	C -34 2737		
16	9.1	9.0W	12 24.296	0.0013	13	-35 15 55.95	-0.022	13	0.26	24.278	15	36.1	55.64	21	36.1	F2		C8	2324	C -35 2775		
17	10.5	9.6W	12 27.261	-0.0041	13	-35 42 49.80	-0.004	13	0.26	27.318	15	36.1	49.74	21	36.1	G5	L	C8	2325	C -35 2776		
18	10.1	9.7W	12 44.225	0.0019	21	-33 35 7.76	0.085	21	0.42	44.192	22	32.6	9.24	21	32.6	F8	L	C7	2626	C -33 2823		
19	11.4	10.9W	12 45.842	-0.0132	21	-33 36 18.46	0.263	21	0.42	46.072	22	32.6	23.04	21	32.6			C7	2627	C -33 2824		
20	9.7	9.1W	12 53.091	0.0031	21	-30 9 11.65	-0.050	21	0.42	53.038	22	32.6	10.78	21	32.6	G5		C7	2628	C -30 2957		
21	10.3	9.2W	12 53.661	0.0000	09	-39 15 1.63	0.008	09	0.22	53.660	15	36.1	1.74	21	36.1	K0		C8	2328	C -39 2470		
22	9.7	9.0W	13 1.049	-0.0015	13	-36 55 54.33	-0.028	13	0.26	1.069	15	36.1	53.94	21	36.1	G5		C8	2329	C -36 2743		
23		7.5T	13 1.065	-0.0020	13	-30 50 11.36	0.024	12	0.64	1.157	17	03.0	12.56	17	01.0	A2		GC	7999	C*-30 2958		
24	9.8	9.8W	13 23.309	-0.0005	21	-30 29 57.39	0.028	21	0.42	23.318	22	32.6	57.88	21	32.6	F5	L	C7	2630	C -30 2965		
25	8.8	9.2W	13 24.201	-0.0013	18	-37 45 10.17	0.012	18	0.31	24.219	15	36.1	10.34	21	36.1	B9		C8	2331	C -37 2690		
26	9.9	9.6W	13 26.372	0.0016	13	-36 35 53.77	0.034	13	0.26	26.349	15	36.1	54.24	21	36.1	G0		C8	2332	C -36 2749		
27	10.5	9.9W	13 30.417	-0.0043	21	-33 43 39.47	0.004	21	0.42	30.492	22	32.6	39.54	21	32.6	G5	L	C7	2631	C -33 2832		
28	9.9	8.9W	13 33.214	-0.0004	13	-38 27 23.87	-0.038	13	0.26	33.219	15	36.1	23.34	21	36.1	K1	L	C8	2333	C -38 2523		
29	9.5	9.7W	13 34.390	-0.0013	13	-35 25 31.02	-0.006	13	0.26	34.408	15	36.1	30.94	21	36.1	A2		C8	2334	C -35 2786		
30	8.7	8.4W	13 35.935	-0.0033	21	-34 55 58.01	-0.038	21	0.42	35.993	22	32.6	57.35	21	32.6	F5		C7	2632	C -34 2754		
31	7.9	8.3W	13 37.870	-0.0029	21	-32 31 2.43	0.029	21	0.42	37.922	22	32.6	2.94	21	32.6	B9		C7	2633	C -32 2886		
32	10.3	9.1W	13 48.661	-0.0013	13	-36 39 37.63	-0.028	13	0.26	48.679	15	36.1	37.24	21	36.1	K1	L	C8	2335	C -36 2753		
33	9.8	8.6W	13 51.046	0.0004	13	-39 18 52.58	0.026	13	0.26	51.040	15	36.1	52.94	21	36.1	K2		C8	2336	C -39 2480		
34	10.1	8.7W	13 51.853	0.0001	10	-39 51 35.93	-0.021	10	0.23	51.851	15	36.1	35.64	21	36.1	K2		C8	2337	C -39 2482		
35	10.3	10.4W	14 1.015	-0.0050	21	-33 40 7.62	-0.016	21	0.42	1.102	22	32.6	7.34	21	32.6	A2	L	C7	2634	C -33 2842		
36	10.0	9.3W	14 1.436	-0.0009	11	-36 11 27.22	0.030	11	0.24	1.448	15	36.1	27.64	21	36.1	G5		C8	2338	C -36 2755		
37	9.3	9.1W	14 7.082	-0.0046	21	-34 21 8.86	-0.053	21	0.42	7.162	22	32.6	7.94	21	32.6	F5		C7	2635	C -34 2759		
38	9.1	7.9W	14 24.204	-0.0016	21	-34 2 9.07	0.050	21	0.42	24.232	22	32.6	9.94	21	32.6	K5		C7	2636	C -34 2763		
39	8.7	8.9W	14 25.615	0.0039	18	-38 33 44.19	-0.011	18	0.31	25.560	15	36.1	44.04	21	36.1	A5		C8	2340	C*-38 2534		
40	10.1	9.4W	14 36.444	-0.0044	21	-32 25 16.46	0.038	21	0.42	36.520	22	32.6	17.12	21	32.6			C7	2637	C -32 2900		
41	8.1	7.2W	14 40.944	-0.0017	06	-35 24 44.73	0.022	06	0.20	40.968	15	36.1	45.04	21	36.1	K0		C8	2341	C -35 2799		
42	10.3	8.7W	14 41.924	-0.0011	09	-36 40 0.56	-0.030	09	0.22	41.939	15	36.1	0.14	21	36.1	K5		C8	2342	C -36 2767		
43		4.5H	14 46.278	-0.0011	02	-35 7 22.03	0.084	02	0.09	46.317	04	15.1	25.10	04	13.4	K0		F4	238	C -35 2800		
44	10.2		14 49.145	-0.0024	13	-35 55 1.46	0.020	13	0.26	49.179	15	36.1	1.74	21	36.1	F2	L	C8	2344	C -35 2801		
45	9.9	9.3W	14 53.018	-0.0013	21	-31 38 43.81	0.012	21	0.42	53.040	22	32.6	44.02	21	32.6	G5	L	C7	2638	C -31 3135		
46		6.1T	14 56.403	-0.0018	10	-39 14 42.22	-0.023	07	0.51	56.499	18	97.8	40.83	17	89.2	A0		GC	8064	C -39 2491		
47	8.3	8.5W	14 57.033	-0.0010	21	-31 33 7.80	-0.010	21	0.42	57.050	22	32.6	7.62	21	32.6	A0		C7	2639	C -31 3136		
48	10.5	9.4W	15 0.431	0.0019	21	-30 19 1.40	-0.007	21	0.42	0.398	22	32.6	1.28	21	32.6	K2	L	C7	2640	C -30 2987		
49	9.2	8.4W	15 5.479	-0.0021	13	-35 53 4.19	-0.011	13	0.26	5.508	15	36.1	4.04	21	36.1	K0		C8	2347	C -35 2802		
50	8.0	8.3W	15 11.814	0.0009	13	-39 36 48.72	-0.013	13	0.26	11.801	15	36.1	48.54	21	36.1	A0		C8	2348	C -39 2493		
51	9.6	9.6W	6 15 13.488	-0.0065	21	-32 53 21.48	-0.026	21	0.42	13.601	22	32.6	21.03	21	32.6	A8	L	C7	2641	C -32 2907		
52	10.0	9.9W	15 18.687	-0.0002	21	-33 22 30.78	0.043	21	0.42	18.692	22	32.6	31.54	21	32.6	F8	L	C7	2642	C -33 2858		
53		5.6T	15 19.031	-0.0005	07	-37 43 8.45	0.080	06	0.28	19.053	12	09.3	12.07	12	04.8	K0		GC	8075	C -37 2707		
54	10.1	9.1W	15 19.841	-0.0018	21	-34 43 2.27	0.033	21	0.42	19.873	22	32.6	2.85	21	32.6	K5		C7	2643	C -34 2770		
55	7.9	7.9W	15 20.564	-0.0003	13	-35 56 53.97	0.012	13	0.26	20.568	15	36.1	54.14	21	36.1	A5		C8	2350	C -35 2806		
56	10.2		15 23.092	-0.0011	23	-35 7 33.21	-0.034	23	0.37	23.108	15	36.1	32.74	21	36.1	F2	L	C8	2351	C -35 2805		
57	9.1	9.4W	15 23.912	-0.0004	21	-31 0 14.63	0.016	21	0.42	23.919	22	32.6	14.90	21	32.6	B9		C7	2644	C -30 2993		
58	9.8		15 24.569	-0.0057	23	-36 2 57.98	-0.032	23	0.37	24.649	15	36.1	57.54	21	36.1	A0		C8	2352	C -36 2780		
59		6.0T	15 26.502	-0.0015	10	-37 13 59.08	-0.011	07	0.52	26.586	18	95.7	58.42	17	89.0	A2		GC	8079	C -37 2708		
60	8.3	8.4W	15 39.514	-0.0010	21	-33 40 53.41	-0.010	21	0.42	39.532	22	32.6	53.24	21	32.6	A5		C7	2645	C -33 2862		
61	9.0	8.9W	15 43.156	-0.0017	13	-37 50 44.14	-0.000	13	0.26	43.179	15	36.1	44.14	21	36.1	F2		C8	2354	C -37 2711		
62	9.6	9.5W	15 47.378	-0.0002	21	-33 41 56.71	-0.142	21	0.42	47.382	22	32.6	54.25	21	32.6	F5	L	C7	2646	C -33 2863		
63	10.2	9.5W	15 47.852	-0.0011	21	-32 53 5.16	0.004	21	0.42	47.872	22	32.6	5.24	21	32.6	G5	L	C7	2647	C -32 2913		
64	9.1	8.8W	15 50.190	-0.0008	18	-38 34 9.27	-0.002	18	0.31	50.200	15	36.1	9.24	21	36.1	F2		C8	2355	C -38 2553		
65		7.5T	15 57.960	0.0011	13	-30 59 19.38	-0.012	09	0.59	57.904	15	00.8	18.78	15	98.0	K0		GC	8097	C*-30 2998		
66	11.1		16 0.152	-0.0004	23	-35 8 38.97	-0.067	23	0.37	0.158	15	36.1	38.04	21	36.1			C8	2356	C -35 2811		
67	11.3		16 0.358	-0.0021	23	-35 5 36.54	0.029	23	0.37	0.388	15	36.1	36.94	21	36.1			C8	2357	C -35 2812		
68	10.5		16 2.048	-0.0030	18	-36 31 3.44	-0.036	18	0.31	2.089	15	36.1	2.94	21	36.1	F5	L	C8	2358	C -36 2786		
69	10.2	9.9W	16 3.918	-0.0017	21	-30 28 34.60	0.062	21	0.42	3.948	22	32.6	35.68	21	32.6	G5	L	C7	2649	C -30 2999		
70	10.3	10.0W	16 10.588	0.0056	21	-30 11 48.75	0.030	21	0.42	10.588	22	32.6	49.28	21	32.6	G2	L	C7	2650	C -30 3002		
71	8.8	8.6W	16 19.330	-0.0006	21	-33 17 10.85	-0.128	21	0.42	19.342	22	32.6	8.63	21	32.6	F5		C7	2651	C -33 2872		
72	10.3	10.0W	16 32.182	-0.0028	21	-31 47 6.87	0.003	21	0.42	32.230	22	32.6	6.92	21	32.6	G2	L	C7	2652	C -31 3165		
73	10.2	9.3W	16 35.774	-0.0010	21	-33 58 34.52	0.024	21	0.42	35.792	22	32.6	34.94	21	32.6	K0	L	C7	2653	C -33 2875		
74	9.4	9.2W	16 50.072	-0.0034	21	-33 34 20.73	-0.034	21	0.42	50.132	22	32.6	20.14	21	32.6	F5		C7	2654	C -33 2878		
75		7.3T	16 55.611	0.0020	15	-38 52 20.08	-0.019	11	0.66	55.518	18	02.5	19.11	19	98.9	K0		GC	8123	C -38 2569		
76	9.0	7.7W	16 59.439	-0.0021	13	-35 53 19.53	0.008	13	0.26	59.468	15	36.1	19.64	21	36.1	K2		C8	2361	C -35 2825		
77	9.7	9.2W	17 1.255	-0.0026	21	-32 10 47.44	0.022	21	0.42	1.300	22	32.6	47.82	21	32.6	K0	L	C7	2655	C -32 2930		
78	10.3	9.2W	17 1.724	0.0019	18	-35 11 20.69	0.011	18	0.31	1.698	15	36.1	20.84	21	36.1	K0	L	C8	2362	C -35 2824		
79	9.3	9.2W	17 7.306	-0.0009	13	-36 18 1.42	-0.015	13	0.26	7.319	15	36.1	1.24	21	36.1	A5		C8	2364	C -36 2800		
80	10.6	9.8W	17 8.952	-0.0010	21	-30 33 9.46	0.037	21	0.42	8.969	22	32.6	10.10	21	32.6	G5	L	C7	2656	C -30 3017		
81	9.6	9.6W	17 23.184	-0.0015	21	-32 7 48.05	-0.013	21	0.42	23.210	22	32.6	47.82	21	32.6	F5	L	C7	2657	C -32 2934		
82	11.1	9.8W	17 25.326	0.0003	21	-31 44 41.90	0.013	21	0.42	25.320	22	32.6	42.12	21	32.6			C7	2658	C -31 3180		
83	8.4	8.2W	17 26.575	-0.0014	13	-36 30 13.35	0.021	13	0.26	26.589	15	36.1	13.64	21	36.1	F2		C8	2365	C -36 2804		
84	9.4	8.6W	17 37.013	-0.0199	09	-37 26 24.92	-0.056	09	0.22	37.289	15	36.1	24.14	21	36.1	K0		C8	2366	C -37 2733		
85	10.0	8.6W	17 43.441	0.0002	13	-36 27 6.24	-0.000	13	0.26	43.439	15	36.1	6.24	21	36.1	K2		C8	2367	C -36 2809		
86		5.8T	17 52.788	0.0006	07	-34 22 25.94	-0.000	05	0.30	52.762	12	06.8	25.94	12	01.0	B8		GC	8154	C*-34 2795		
87	9.8	8.9W	17 53.172	-0.0058	21	-32 51 5.56	0.027	21	0.42	53.272	22	32.6	6.04	21	32.6	K0	L	C7	2660	C -32 2937		
88	10.2	9.6W	17 53.354	0.0021	21	-30 27 32.25	0.042	21	0.42	53.318	22	32.6	32.98	21	32.6	K0	L	C7	2661	C -30 3031		
89	11.0	10.5W	17 56.283	-0.0004	21	-31 30 34.63	0.011	21	0.42	56.290	22	32.6	34.82	21	32.6			C7	2662	C -31 3192		
90	9.4	8.6W	18 1.960	-0.0035	13	-35 31 46.75	-0.044	13	0.26	2.008	15	36.1	46.14	21	36.1	K0		C8	2368	C -35 2839		
91	10.4	9.3W	18 4.273	-0.0019	18	-37 1 42.77	-0.024	18	0.31	4.299	15	36.1	42.44	21	36.1	K2		C8	2369	C -37 2739		
92	9.2	9.0W	18 5.834	-0.0025	21	-30 25 51.18	-0.040	21	0.42	5.878	22	32.6	51.88	21	32.6	F8		C7	2663	C -30 3034		
93		6.6T	18 9.030	0.0002	06	-39 27 48.34	-0.008	05	0.25	9.024	10	09.5	48.00	10	07.1	K0		GC	8160K	C -39 2524		
94	10.3	9.6W	18 9.152	-0.0017	21	-33 59 58.37	0.044	21	0.42	9.182	22	32.6	59.14	21	32.6	G5	L	C7	2664	C -33 2900		
95	9.8	9.9W	18 10.940	0.0000	21	-32 18 19.04	0.039	21	0.42	10.940	22	32.6	19.72	21	32.6	A8	L	C7	2665	C -32 2943		
96		8.2T	18 11.737	-0.0005	15	-39 27 25.27	-0.027	09	0.64	11.762	24	03.5	23.77	21	94.1	G5		GC	8162K	C -39 2525		
97	9.7	8.7W	18 17.507	-0.0025	21	-31 42 25.15	0.004	21	0.42	17.550	22	32.6	25.22	21	32.6	K2	L	C7	2666	C -31 3198		
98		3.1H	18 23.546	0.0004	02	-30 2 23.86	0.003	01	0.07	23.531	03	12.7	23.99	04	12.2	B3		F4	240	C -30 3088		
99	7.8	7.9W	18 32.692	-0.0005	13	-36 19 47.19	0.018	13	0.26	32.698	15	36.1	47.44	21	36.1	A0		C8	2372	C -36 2817		
00	8.6	9.1W	18 34.234	-0.0021	21	-33 7 0.93	-0.023	21	0.42	34.272	22	32.6	0.53	21	32.6	A0		C7	2669	C -33 2905		

196700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT	SOURCE STAR NUMBER	-30° 6H DM NUMBER
1		7.9T	6 18 34.523	-0.0012	18	-39 12 5.14	0.011	20	0.89	34.578	24	05.2	5.64	24	04.9	K5	GC	8173	C -39 2531
2	10.6	9.4W	18 35.548	-0.0014	21	-34 44 55.47	0.056	21	0.42	35.573	22	32.6	56.45	21	32.6	K2 L	C7	2670	C -34 2802
3	9.2	9.1W	18 39.488	-0.0019	21	-32 34 42.35	0.016	21	0.42	39.522	22	32.6	42.64	21	32.6	F2	C7	2671	C -32 2950
4	9.8	9.6W	18 45.164	0.0001	21	-34 46 41.92	0.007	21	0.42	45.163	22	32.6	42.05	21	32.6	F5 L	C7	2672	C -34 2805
5	10.3	9.8W	18 45.923	-0.0004	21	-31 53 22.87	-0.089	21	0.42	45.930	22	32.6	21.32	21	32.6	G2 L	C7	2673	C -31 3205
6	8.2	8.1W	18 46.659	-0.0022	23	-37 28 47.00	-0.004	23	0.37	46.689	15	36.1	46.94	21	36.1	F0	C8	2374	C -37 2751
7		3.6T	18 47.625	-0.0001	07	-34 7 13.94	0.027	05	0.29	47.629	12	08.6	15.21	12	02.8	B2	GC	8180	C*-34 2806
8	9.9	9.1W	18 48.355	-0.0004	21	-34 10 57.20	-0.055	21	0.42	48.362	22	32.6	56.24	21	32.6		C7	2675	C -34 2808
9	10.0	9.1W	18 48.726	-0.0023	13	-35 15 18.97	-0.031	13	0.26	48.758	15	36.1	18.54	21	36.1	K0	C8	2375	C -35 2846
10	10.4	9.2W	18 49.220	-0.0019	21	-34 53 59.63	0.047	21	0.42	49.253	22	32.6	0.45	21	32.6	K2 L	C7	2676	C -34 2810
11	10.0	10.0W	18 49.446	-0.0017	18	-38 28 43.09	-0.025	18	0.31	49.469	15	36.1	42.74	21	36.1	A3	C8	2376	C -38 2586
12	8.2	8.6W	18 55.034	-0.0039	13	-35 37 26.52	0.016	13	0.26	55.088	15	36.1	26.74	21	36.1	A0	C8	2377	C -35 2847
13	9.1	7.7W	18 55.800	0.0012	21	-30 36 45.19	-0.005	21	0.42	55.779	22	32.6	45.10	21	32.6	MA	C7	2677	C -30 3048
14	9.4	8.7W	18 56.795	0.0040	13	-38 8 8.42	-0.042	13	0.26	56.739	15	36.1	7.84	21	36.1	K0	C8	2378	C -38 2587
15	9.4	8.3W	18 57.960	-0.0018	21	-33 33 33.36	0.056	21	0.42	57.992	22	32.6	34.34	21	32.6	K5	C7	2678	C -33 2911
16	10.0	9.7W	19 7.549	0.0000	18	-36 21 48.39	-0.018	18	0.31	7.548	15	36.1	48.14	21	36.1	F8	C8	2380	C -36 2827
17	8.5	7.9W	19 11.821	0.0037	07	-37 28 9.08	-0.010	07	0.21	11.769	15	36.1	8.94	21	36.1	G5	C8	2381	C -37 2758
18	8.6	8.5W	19 22.519	0.0008	13	-35 5 58.27	-0.002	13	0.26	22.508	15	36.1	58.24	21	36.1	A5	C8	2382	C -35 2854
19	9.1	9.1W	19 24.480	0.0002	13	-35 6 7.18	-0.039	13	0.26	24.474	15	36.1	6.64	21	36.1	F2 L	C8	2383	C -35 2855
20	9.9	9.8W	19 30.835	-0.0047	13	-39 2 42.02	-0.042	13	0.26	30.900	15	36.1	41.44	21	36.1	A5	C8	2384	C -39 2538
21	8.8	7.6W	19 35.146	-0.0056	21	-33 2 48.34	0.022	21	0.42	35.261	22	32.6	48.73	21	32.6	K0	C7	2679	C -33 2917
22	10.7	10.1W	19 35.716	-0.0003	21	-33 44 36.73	0.006	21	0.42	35.722	22	32.6	36.84	21	32.6	G5 L	C7	2680	C -33 2918
23	8.9	9.2W	19 40.735	-0.0044	21	-33 42 16.79	-0.020	21	0.42	40.812	22	32.6	16.44	21	32.6	A0	C7	2681	C -33 2920
24	10.4	9.6W	19 41.372	-0.0009	21	-30 23 14.49	0.028	21	0.42	41.368	22	32.6	14.98	21	32.6	K0 L	C7	2682	C -30 3060
25	10.3	9.6W	19 50.086	-0.0009	21	-33 41 28.99	-0.003	21	0.42	50.102	22	32.6	28.94	21	32.6	K0 L	C7	2683	C -33 2922
26	11.1		19 54.907	-0.0024	23	-39 3 17.10	-0.026	23	0.37	54.940	15	36.1	16.74	21	36.1		C8	2386	C -39 2544
27	9.7	9.8W	19 56.185	-0.0054	21	-30 33 18.44	0.015	21	0.42	56.279	22	32.6	18.70	21	32.6	A	C7	2684	C -30 3066
28	10.0	9.1W	20 0.586	-0.0037	21	-32 47 36.63	0.017	21	0.42	0.652	22	32.6	36.93	21	32.6	K0 L	C7	2685	C -32 2963
29	9.8	8.9W	20 1.005	0.0005	13	-36 11 14.58	-0.010	13	0.26	0.998	15	36.1	14.44	21	36.1	K0	C8	2387	C -36 2840
30	9.9	8.3W	20 1.349	-0.0018	21	-33 4 22.74	0.034	21	0.42	1.381	22	32.6	23.34	21	32.6	K5 L	C7	2686	C -33 2924
31	8.9	8.3W	20 2.950	-0.0018	21	-33 55 13.17	-0.002	21	0.42	2.982	22	32.6	13.14	21	32.6	G5	C7	2687	C -33 2925
32	8.7	7.9W	20 3.382	-0.0012	21	-34 44 14.83	0.001	21	0.42	3.403	22	32.6	14.85	21	32.6	K0	C7	2688	C -34 2819
33	8.9	7.6W	20 8.600	0.0006	21	-30 30 29.86	0.008	21	0.42	8.589	22	32.6	30.00	21	32.6	K5	C7	2689	C -30 3072
34	9.6	9.1W	20 9.210	-0.0024	21	-34 29 15.75	0.068	21	0.42	9.252	22	32.6	16.94	21	32.6	G5	C7	2690	C -34 2820
35		4.0T	20 17.078	-0.0024	04	-33 24 36.07	-0.056	03	0.18	17.175	07	10.0	33.65	07	06.8	G5	GC	8214	C*-33 2927
36		7.4T	20 17.300	0.0000	13	-35 1 4.10	-0.012	14	0.71	17.299	19	00.3	3.51	21	00.4	K0	GC	8215	C*-34 2822
37	10.1	9.4W	20 18.222	-0.0045	21	-32 37 48.24	-0.001	21	0.42	18.302	22	32.6	48.23	21	32.6	K0 L	C7	2692	C -32 2966
38	10.7	9.5W	20 28.198	-0.0041	21	-30 47 39.69	-0.022	21	0.42	28.269	22	32.6	39.30	21	32.6		C7	2694	C -30 3077
39	9.3	9.4W	20 28.340	-0.0013	13	-35 19 41.95	-0.001	13	0.26	28.358	15	36.1	41.94	21	36.1	F2	C8	2388	C -35 2863
40	10.4	9.4W	20 28.868	-0.0007	21	-31 44 17.24	-0.018	21	0.42	28.960	22	32.6	16.92	21	32.6	K0 L	C7	2695	C -31 3231
41	10.1	9.2W	20 31.925	-0.0013	21	-30 29 20.68	-0.040	21	0.42	31.948	22	32.6	19.98	21	32.6	K0 L	C7	2696	C -30 3079
42		7.8T	20 33.408	0.0037	13	-39 11 34.80	-0.032	12	0.67	33.228	18	00.7	33.16	19	98.5	K0	GC	8225	C -39 2554
43	9.7	9.6W	20 39.442	-0.0027	21	-31 18 13.31	0.046	21	0.42	39.469	22	32.6	14.11	21	32.6	G0 L	C7	2697	C -31 3235
44		7.9T	20 41.446	-0.0005	13	-33 50 36.71	0.006	12	0.65	41.470	18	01.6	37.00	18	00.6	G0	GC	8229	C -33 2930
45	10.3	9.6W	20 42.935	-0.0003	13	-37 39 43.09	-0.011	13	0.26	42.939	15	36.1	42.94	21	36.1	G8 L	C8	2390	C -37 2783
46	10.8		20 45.896	0.0004	18	-38 45 38.21	-0.005	18	0.31	45.890	15	36.1	38.14	21	36.1	A3 L	C8	2391	C -38 2609
47	9.5	8.4W	20 47.499	-0.0022	18	-37 57 22.84	-0.000	18	0.31	47.529	15	36.1	22.84	21	36.1	K2	C8	2392	C -37 2785
48	9.7	9.7W	20 47.599	-0.0024	21	-32 18 33.04	0.062	21	0.42	47.840	22	32.6	34.12	21	32.6	F2 L	C7	2699	C -32 2975
49	10.2	10.0W	20 52.974	-0.0021	21	-31 46 10.47	0.049	21	0.42	53.010	22	32.6	11.32	21	32.6	G0 L	C7	2700	C -31 3237
50	10.3	9.1W	20 57.163	-0.0027	21	-32 26 51.02	0.023	21	0.42	57.210	22	32.6	51.42	21	32.6	K2 L	C7	2701	C -32 2977
51	9.6	8.6W	6 21 2.982	-0.0017	21	-34 25 34.79	0.020	21	0.42	3.012	22	32.6	35.14	21	32.6	K5	C7	2702	C -34 2826
52		7.2T	21 4.231	-0.0001	13	-33 35 16.63	-0.019	12	0.68	4.236	19	00.1	15.64	19	98.1	M0	GC	8236	C -33 2935
53	9.8	9.5W	21 7.206	0.0012	13	-36 58 37.37	0.055	13	0.26	7.189	15	36.1	38.14	21	36.1	F5	C8	2393	C -36 2854
54	10.5	9.6W	21 9.446	-0.0031	21	-32 4 39.24	-0.030	21	0.42	9.500	22	32.6	38.71	21	32.6	K2 L	C7	2704	C -32 2964
55	9.6	9.4W	21 16.724	0.0004	13	-35 39 52.72	-0.049	13	0.26	16.718	15	36.1	52.04	21	36.1	G0	C8	2395	C -35 2870
56	9.9	10.3W	21 19.282	0.0013	21	-30 53 19.53	-0.030	21	0.42	19.259	22	32.6	19.00	21	32.6	A3 L	C7	2705	C -30 3094
57	9.8	9.8W	21 20.439	-0.0024	21	-31 38 1.66	-0.025	21	0.42	20.480	22	32.6	1.22	21	32.6	F5 L	C7	2706	C -31 3244
58		7.5T	21 21.970	-0.0014	07	-30 55 6.63	-0.001	06	0.29	22.026	12	08.4	6.60	12	05.2	F0	GC	8249	C*-30 3096
59		6.4T	21 22.042	-0.0048	10	-31 45 47.24	0.012	08	0.53	22.304	17	95.8	47.94	15	92.4	G5	GC	8250	C -31 3245
60	10.6	9.5W	21 25.568	-0.0008	18	-37 11 55.76	-0.009	18	0.31	25.579	15	36.1	55.64	21	36.1	K1 L	C8	2396	C -37 2790
61		6.6T	21 25.871	-0.0001	13	-34 58 10.61	-0.002	12	0.65	25.878	18	00.4	10.50	18	98.6	B9	GC	8254	C -34 2833
62	9.4	9.2W	21 29.450	-0.0046	21	-32 4 58.68	-0.032	21	0.42	29.530	22	32.6	58.12	21	32.6	F5 L	C7	2710	C -32 2991
63		7.4T	21 49.625	-0.0022	12	-33 17 34.08	0.054	10	0.56	49.731	15	02.5	36.78	15	00.0	F2	GC	8264	C -33 2944
64	10.1	9.1W	21 53.908	-0.0014	13	-35 6 12.19	0.047	13	0.26	53.928	15	36.1	12.84	21	36.1	K0 L	C8	2398	C -35 2876
65	9.7	9.7W	21 57.237	-0.0048	21	-32 33 52.55	0.016	21	0.42	57.322	22	32.6	52.83	21	32.6	F5 L	C7	2713	C -32 2999
66	9.7	8.9W	21 57.847	-0.0020	21	-33 31 31.95	0.045	21	0.42	57.882	22	32.6	32.74	21	32.6	G5 L	C7	2714	C -33 2946
67	10.2	10.2W	21 57.935	-0.0031	21	-30 51 27.39	0.018	21	0.42	57.989	22	32.6	27.71	21	32.6		C7	2715	C -30 3109
68	9.4	8.6W	22 1.058	0.0007	13	-35 47 12.13	-0.021	13	0.26	1.049	15	36.1	11.84	21	36.1	K0	C8	2400	C -35 2878
69		7.0T	22 1.572	-0.0015	09	-36 59 12.95	-0.001	07	0.45	1.651	15	99.0	12.91	14	98.1	B8	GC	8271	C -36 2869
70	9.0	8.8W	22 7.179	-0.0007	23	-36 2 37.38	-0.010	23	0.37	7.189	15	36.1	37.24	21	36.1	F5	C8	2403	C -36 2870
71	10.0	9.2W	22 8.824	-0.0021	21	-31 54 26.17	0.003	21	0.42	8.860	22	32.6	26.22	21	32.6	K0 L	C7	2716	C -31 3260
72	8.5	8.2W	22 10.504	-0.0038	21	-31 44 40.92	-0.063	21	0.42	10.570	22	32.6	39.82	21	32.6	F8	C7	2717	C -31 3261
73	11.1	10.4W	22 12.801	-0.0005	21	-31 0 43.92	0.011	21	0.42	12.809	22	32.6	44.10	21	32.6		C7	2718	C -30 3114
74		5.7T	22 16.828	-0.0019	05	-36 40 49.74	0.054	04	0.25	16.917	09	04.2	52.46	10	99.8	G5	GC	8284K	C*-36 2873
75	9.9	9.2W	22 19.559	-0.0012	21	-31 48 31.09	0.008	21	0.42	19.580	22	32.6	31.22	21	32.6	G2 L	C7	2719	C -31 3264
76		6.7T	22 21.951	-0.0031	07	-36 40 28.74	-0.002	05	0.30	22.083	12	08.0	28.65	12	01.6	G5	GC	8285	C*-36 2875
77	8.7	9.1W	22 22.617	-0.0030	21	-31 7 48.97	0.031	21	0.42	22.669	22	32.6	49.50	21	32.6	A0	C7	2720	C -31 3265
78		7.9T	22 25.010	-0.0012	15	-39 40 27.28	0.021	11	0.68	25.070	18	02.1	28.39	19	97.7	K2	GC	8286	C*-39 2577
79	9.6	9.7W	22 28.348	-0.0008	21	-34 2 52.16	-0.024	21	0.42	28.362	22	32.6	51.74	21	32.6	A5 L	C7	2721	C -34 2847
80	9.5	10.1W	22 31.322	-0.0016	21	-31 48 51.03	0.011	21	0.42	31.350	22	32.6	51.22	21	32.6	A0 L	C7	2722	C -31 3267
81	11.1	10.0W	22 36.147	-0.0007	21	-30 31 41.19	-0.028	21	0.42	36.159	22	32.6	40.70	21	32.6		C7	2723	C -30 3118
82	9.8	8.2W	22 41.514	-0.0040	18	-38 13 19.76	-0.009	18	0.31	41.569	15	36.1	19.64	21	36.1	G8 L	C8	2409	C -38 2627
83	10.3	9.1W	22 41.603	-0.0012	13	-37 30 19.17	-0.038	13	0.26	41.619	15	36.1	18.64	21	36.1	K0	C8	2410	C -37 2805
84	9.2	9.2W	22 43.198	-0.0013	21	-31 48 58.75	0.004	21	0.42	43.220	22	32.6	58.82	21	32.6	A8 L	C7	2724	C -31 3268
85	10.2	8.7W	22 44.945	0.0018	13	-38 2 36.36	-0.052	13	0.26	44.919	15	36.1	35.64	21	36.1	MA	C8	2411	C -38 2628
86	10.0		22 47.958	-0.0001	18	-37 34 26.77	-0.045	18	0.31	47.959	15	36.1	26.14	21	36.1	F0	C8	2412	C -37 2807
87	10.9	10.1W	22 48.816	-0.0001	21	-30 21 13.75	0.013	21	0.42	48.818	22	32.6	13.98	21	32.6		C7	2725	C -30 3123
88	10.7	10.0W	22 49.403	0.0025	21	-31 20 34.48	-0.010	21	0.42	49.359	22	32.6	34.30	21	32.6	K0 L	C7	2726	C -31 3269
89	8.7	8.7W	22 53.733	-0.0004	21	-31 48 22.96	-0.002	21	0.42	53.740	22	32.6	22.92	21	32.6	A2	C7	2727	C -31 3270
90	10.2	10.0W	22 56.312	0.0007	21	-31 50 7.71	0.001	21	0.42	56.300	22	32.6	7.72	21	32.6	A5 L	C7	2728	C -31 3271
91	9.8	8.2W	22 56.568	-0.0023	13	-38 14 37.68	-0.010	13	0.26	56.599	15	36.1	37.54	21	36.1	K5	C8	2413	C -38 2631
92	9.7	9.5W	22 58.802	0.0093	21	-32 5 55.11	0.420	21	0.42	58.640	22	32.6	2.42	21	32.6	G2 L	C7	2729	C -32 3010
93	10.1	9.8W	22 59.300	-0.0064	21	-34 17 42.12	0.047	21	0.42	59.412	22	32.6	42.95	21	32.6	G0 L	C7	2730	C -34 2850
94	9.4	8.5W	23 1.019	-0.0036	21	-34 5 2.64	-0.035	21	0.42	1.082	22	32.6	2.04	21	32.6	K0	C7	2731	C -34 2851
95		8.1T	23 2.303	0.0041	18	-36 34 7.88	-0.012	14	0.82	2.112	21	02.9	7.28	19	99.3	K5	GC	8307	C -36 2885
96	9.5	9.5W	23 7.830	0.0015	13	-36 36 45.42	-0.006	13	0.26	7.809	15	36.1	45.34	21	36.1	A5	C8	2416	C -36 2887
97	9.9	9.6W	23 12.064	-0.0039	21	-33 44 2.29	0.152	21	0.42	12.132	22	32.6	4.94	21	32.6	G0 L	C7	2732	C -33 2958
98	10.8	9.4W	23 15.109	-0.0023	13	-39 0 33.87	-0.017	13	0.26	15.140	15	36.1	33.64	21	36.1	A0	C8	2417	C*-38 2636
99	9.0	9.0W	23 26.173	-0.0038	21	-30 51 4.64	-0.002	21	0.42	26.239	22	32.6	4.60	21	32.6	F5	C7	2734	C -30 3138
00	9.6	9.4W	23 27.504	0.0020	21	-31 21 18.79	0.041	21	0.42	27.469	22	32.6	19.50	21	32.6	G0 L	C7	2735	C -31 3277

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 6H DM NUMBER
1	9.2	8.9W	6 23 28.197	-0.0077	21	-34 20 55.00	-0.009	21	0.42	28.332	22	32.6	54.84	21	32.6	G5	C7	2736	C -34 2859
2	9.3	8.4W	23 32.098	-0.0012	21	-31 7 20.60	0.029	21	0.42	32.119	22	32.6	21.10	21	32.6	K0	C7	2737	C -31 3278
3	10.0	9.1W	23 35.056	0.0004	13	-38 46 3.30	-0.026	13	0.26	35.050	15	36.1	2.84	21	36.1	K0	C8	2419	C -38 2640
4	10.1	10.3W	23 37.680	0.0006	21	-31 9 23.03	-0.007	21	0.42	37.669	22	32.6	22.90	21	32.6	A2 L	C7	2738	C -31 3280
5		6.2T	23 42.827	-0.0009	13	-35 2 1.16	-0.036	12	0.65	42.870	17	01.0	-59.31	19	98.6	K0	GC	8322	C*-34 2864
6	8.6	8.1W	23 45.180	0.0052	21	-31 27 3.20	-0.017	21	0.42	45.089	22	32.6	2.90	21	32.6	G0	C7	2740	C -31 3286
7		8.4B	23 50.454	0.0010	16	-35 0 29.66	-0.021	16	0.79	50.404	19	01.2	28.67	21	02.6		GC	8329K	C -34 2868
8		7.5B	23 50.693	0.0008	12	-35 0 31.00	0.015	13	0.69	50.650	18	98.5	31.78	19	98.5	A3	GC	8330K	C*-34 2868
9	10.2	9.6W	23 54.232	-0.0016	21	-31 52 45.71	0.041	21	0.42	54.260	22	32.6	46.42	21	32.6	G5 L	C7	2742	C -31 3290
10	7.6	7.9W	23 56.422	-0.0019	13	-35 40 2.41	0.031	13	0.26	56.448	15	36.1	2.84	21	36.1	B9	C8	2421	C -35 2894
11	8.8	8.7W	24 9.607	-0.0045	18	-37 15 45.74	0.036	18	0.31	9.669	15	36.1	46.24	21	36.1	F0	C8	2422	C -37 2818
12	8.8	7.2W	24 9.849	-0.0023	18	-38 54 19.58	-0.003	18	0.31	9.880	15	36.1	19.54	21	36.1	K5	C8	2423	C -38 2647
13	8.6	7.0W	24 10.818	-0.0014	13	-35 18 25.44	-0.014	13	0.26	10.838	15	36.1	25.24	21	36.1	K5	C8	2424	C -35 2896
14	10.5	10.1W	24 14.165	-0.0053	21	-30 28 52.00	-0.053	21	0.42	14.258	22	32.6	51.08	21	32.6		C7	2743	C -30 3154
15	10.0	10.1W	24 15.459	-0.0001	21	-31 55 11.14	-0.018	21	0.42	15.460	22	32.6	10.82	21	32.6	F0 L	C7	2744	C -31 3295
16	10.9	9.6W	24 18.086	-0.0003	21	-34 5 17.68	-0.014	21	0.42	18.092	22	32.6	17.44	21	32.6		C7	2745	C -34 2871
17	9.5	9.4W	24 24.626	-0.0020	21	-33 25 34.33	-0.006	21	0.42	24.661	22	32.6	34.24	21	32.6	F5 L	C7	2746	C -33 2972
18	10.6	10.5W	24 29.784	-0.0039	21	-33 44 45.30	-0.021	21	0.42	29.852	22	32.6	44.94	21	32.6	F2 L	C7	2747	C -33 2974
19	8.9	9.1W	24 32.665	-0.0026	15	-39 26 56.71	-0.012	15	0.28	32.700	15	36.1	56.54	21	36.1	A2	C8	2426	C -39 2593
20	10.5	9.5W	24 33.647	0.0135	13	-37 3 27.87	-0.031	13	0.26	33.459	15	36.1	27.44	21	36.1	K1 L	C8	2427	C -37 2824
21	10.5	10.2W	24 34.248	-0.0023	21	-30 8 8.61	0.050	21	0.42	34.288	22	32.6	9.48	21	32.6		C7	2748	C -30 3162
22	9.9	8.9W	24 44.357	-0.0014	21	-33 47 38.27	0.027	21	0.42	44.382	22	32.6	38.74	21	32.6	K2 L	C7	2749	C -33 2978
23	9.0	8.7W	24 46.291	0.0021	13	-39 39 19.47	0.041	13	0.26	46.261	15	36.1	20.04	21	36.1	G5	C8	2428	C -39 2596
24	10.3		24 47.918	-0.0022	30	-35 48 2.73	0.008	30	0.45	47.948	15	36.1	2.84	21	36.1	A3 L	C8	2429	C -35 2903
25		7.3T	24 48.739	0.0004	12	-33 23 5.88	0.006	11	0.60	48.721	15	00.3	6.20	17	96.6	G5	GC	8361	C*-33 2982
26	10.3	9.8W	24 51.604	-0.0039	21	-33 43 13.87	-0.019	21	0.42	51.672	22	32.6	13.54	21	32.6	G5 L	C7	2751	C -33 2983
27	10.5	9.7W	24 52.233	-0.0034	21	-34 22 28.00	-0.009	21	0.42	52.292	22	32.6	27.85	21	32.6	K0 L	C7	2752	C -34 2878
28	7.9	7.9W	24 57.164	0.0002	21	-31 50 25.71	0.012	21	0.42	57.160	22	32.6	25.91	21	32.6	F0	C7	2753	C -31 3307
29	10.1	9.1W	25 1.115	-0.0043	21	-32 13 6.59	0.036	21	0.42	1.190	22	32.6	7.21	21	32.6		C7	2754	C -32 3044
30	10.3	9.0W	25 2.868	-0.0000	21	-30 27 20.38	-0.023	21	0.42	2.868	22	32.6	19.98	21	32.6		C7	2755	C -30 3169
31	7.9	8.1W	25 4.190	0.0000	14	-37 12 4.31	0.024	14	0.27	4.189	15	36.1	4.64	21	36.1	A0	C8	2433	C -37 2831
32	10.5		25 13.157	-0.0002	23	-36 46 50.14	-0.043	23	0.37	13.159	15	36.1	49.54	21	36.1	G2 L	C8	2435	C -36 2917
33	9.3	8.5W	25 14.092	-0.0051	21	-32 51 45.66	0.027	21	0.42	14.182	22	32.6	46.13	21	32.6	K0	C7	2756	C -32 3047
34		7.2T	25 14.312	0.0036	14	-32 8 1.47	-0.082	10	0.59	14.148	17	03.9	-57.53	17	01.9	G0	GC	8369	C -32 3046
35	9.1	9.2W	25 15.713	-0.0008	21	-30 26 52.38	0.034	21	0.42	15.728	22	32.6	52.98	21	32.6	A3	C7	2758	C -30 3175
36	9.6	9.4W	25 15.792	-0.0028	21	-31 42 56.58	0.008	21	0.42	15.840	22	32.6	56.72	21	32.6	G0 L	C7	2759	C -31 3312
37	9.1	9.1W	25 18.656	-0.0020	21	-33 23 10.35	0.010	21	0.42	18.692	22	32.6	10.54	21	32.6	F5	C7	2760	C -33 2987
38	10.0	9.2W	25 18.910	-0.0014	18	-38 22 19.13	-0.014	18	0.31	18.929	15	36.1	18.94	21	36.1	K0	C8	2436	C -38 2655
39	9.9	9.2W	25 22.581	0.0001	21	-30 50 37.75	0.026	21	0.42	22.579	22	32.6	38.21	21	32.6	K2	C7	2761	C -30 3177
40	10.0	9.4W	25 23.487	-0.0025	21	-33 14 40.62	0.012	21	0.42	23.531	22	32.6	40.83	21	32.6	G5 L	C7	2762	C -33 2988
41	10.8	10.4W	25 24.637	0.0011	21	-30 1 40.35	0.105	21	0.42	24.618	22	32.6	42.18	21	32.6		C7	2763	C -29 3117
42		6.5T	25 25.450	-0.0016	12	-37 51 51.61	0.041	12	0.67	25.533	22	99.4	53.80	21	96.8	F0	GC	8377K	C -37 2837
43	9.5	8.9W	25 25.786	-0.0019	21	-30 45 57.02	0.051	21	0.42	25.819	22	32.6	57.90	21	32.6	K0	C7	2764	C -30 3178
44	8.1	8.2W	25 27.816	-0.0010	09	-37 4 13.60	-0.019	09	0.22	27.829	15	36.1	13.34	21	36.1	A2	C8	2439	C -37 2838
45	8.9	8.5W	25 30.229	0.0005	21	-33 4 52.00	-0.079	21	0.42	30.221	22	32.6	50.64	21	32.6	G0	C7	2765	C -33 2989
46		8.0T	25 34.422	-0.0021	20	-32 35 7.89	0.062	17	0.89	34.523	18	02.6	10.85	21	02.3	A5	GC	8381	C -32 3053
47	10.9		25 36.797	-0.0030	18	-36 17 26.41	0.031	18	0.31	36.838	15	36.1	26.84	21	36.1	G2 L	C8	2441	C -36 2918
48	9.8	9.2W	25 37.266	0.0025	21	-33 6 12.54	0.051	21	0.42	37.222	22	32.6	13.43	21	32.6	K0 L	C7	2767	C -33 2990
49	9.6	8.3W	25 38.308	-0.0024	13	-39 36 34.75	-0.037	13	0.26	38.341	15	36.1	34.24	21	36.1	K5	C8	2442	C -39 2606
50	10.9	9.8W	25 38.583	-0.0038	21	-30 36 42.26	0.020	21	0.42	38.649	22	32.6	42.60	21	32.6		C7	2768	C -30 3182
51	9.6	9.0W	6 25 51.634	-0.0021	21	-31 53 45.11	-0.051	21	0.42	51.670	22	32.6	44.22	21	32.6	K0	C7	2769	C -31 3318
52	10.7	10.4W	25 56.727	-0.0001	21	-31 27 37.57	0.008	21	0.42	56.729	22	32.6	37.71	21	32.6	G0 L	C7	2770	C -31 3320
53	9.3	8.6W	25 57.018	-0.0017	21	-30 1 39.06	-0.016	21	0.42	57.048	22	32.6	38.78	21	32.6	K2	C7	2771	C -29 3128
54	10.1		26 2.049	0.0008	18	-35 29 56.25	-0.044	18	0.31	2.038	15	36.1	55.64	21	36.1	F2 L	C8	2443	C -35 2916
55	10.2	8.9W	26 16.729	-0.0024	21	-32 48 46.61	0.030	21	0.42	16.771	22	32.6	47.13	21	32.6	K5 L	C7	2772	C -32 3065
56	9.6	9.5W	26 18.204	-0.0009	21	-30 32 56.36	-0.015	21	0.42	18.219	22	32.6	56.10	21	32.6	F8	C7	2773	C -30 3195
57		4.5T	26 18.858	-0.0019	04	-32 32 50.81	0.023	03	0.18	18.941	06	06.8	51.93	07	01.5	B5	GC	8410	C*-32 3066
58	10.8	9.5W	26 29.010	-0.0018	21	-33 50 18.08	0.061	21	0.42	29.042	22	32.6	19.14	21	32.6	K2 L	C7	2775	C -33 3003
59	9.8	8.5W	26 29.760	-0.0018	21	-34 20 50.83	0.006	21	0.42	29.792	22	32.6	50.94	21	32.6	K2	C7	2776	C -34 2893
60	10.1	9.8W	26 42.591	0.0001	21	-31 23 51.31	0.023	21	0.42	42.589	22	32.6	51.70	21	32.6	A8 L	C7	2777	C -31 3337
61		5.8T	26 47.514	-0.0007	08	-32 20 15.70	0.016	06	0.38	47.551	14	99.5	16.57	14	96.0	B3	GC	8421K	C*-32 3072
62	8.3	8.6W	26 49.526	0.0006	13	-35 13 42.76	0.020	13	0.26	49.518	15	36.1	43.04	21	36.1	A0	C8	2447	C -35 2923
63	9.8	9.5W	26 49.790	-0.0034	13	-35 7 42.20	-0.040	13	0.26	49.838	15	36.1	41.64	21	36.1	F5 L	C8	2448	C -35 2924
64	7.9	8.2W	26 52.222	-0.0022	21	-32 48 17.42	-0.034	21	0.42	52.262	22	32.6	16.83	21	32.6	A0	C7	2779	C -32 3074
65	10.4	8.8W	26 53.723	0.0003	21	-30 21 16.47	-0.017	21	0.42	53.718	22	32.6	16.18	21	32.6		C7	2780	C -30 3206
66	9.6	9.6W	26 55.994	-0.0040	18	-37 5 58.84	-0.050	18	0.31	56.049	15	36.1	58.14	21	36.1	F2 L	C8	2449	C -37 2851
67	9.6	9.0W	27 0.356	-0.0018	18	-38 32 4.71	-0.206	18	0.31	0.380	15	36.1	1.84	21	36.1	G5	C8	2450	C -38 2675
68	9.1	8.7W	27 8.636	0.0003	13	-39 44 8.75	0.021	13	0.26	8.631	15	36.1	9.04	21	36.1	G0	C8	2451	C -39 2623
69	9.6	8.1W	27 9.601	0.0008	09	-37 18 27.48	0.026	09	0.22	9.589	15	36.1	27.84	21	36.1	MA	C8	2452	C -37 2854
70	8.3	8.3W	27 10.011	0.0001	13	-38 16 54.91	0.038	13	0.26	10.009	15	36.1	55.44	21	36.1	F0	C8	2453	C -38 2677
71	10.9	9.6W	27 14.429	-0.0059	21	-34 29 2.99	0.020	21	0.42	14.532	22	32.6	3.34	21	32.6	K2 L	C7	2781	C -34 2902
72	10.8	10.3W	27 15.861	-0.0016	21	-31 27 13.79	0.093	21	0.42	15.889	22	32.6	15.40	21	32.6	G2 L	C7	2782	C -31 3342
73	9.8	9.1W	27 33.637	0.0005	13	-36 49 2.51	-0.005	13	0.26	33.629	15	36.1	2.44	21	36.1	G8 L	C8	2454	C -36 2936
74	8.0	8.0W	27 38.932	-0.0023	21	-34 3 35.70	0.037	21	0.42	38.972	22	32.6	36.34	21	32.6	A3	C7	2783	C -34 2907
75	11.3	9.7W	27 44.284	-0.0025	18	-35 56 36.45	-0.022	18	0.31	44.318	15	36.1	36.14	21	36.1		C8	2456	C -35 2933
76	8.6	9.0W	27 57.502	-0.0005	13	-36 9 1.12	0.023	13	0.26	57.508	15	36.1	1.44	21	36.1	A0	C8	2457	C -36 2939
77	9.9	9.9W	27 57.651	-0.0017	21	-31 51 52.02	0.023	21	0.42	57.680	22	32.6	52.42	21	32.6		C7	2784	C -31 3356
78	9.6	9.4W	28 0.250	-0.0062	21	-30 8 22.24	-0.021	21	0.42	0.358	22	32.6	21.88	21	32.6	F5 L	C7	2785	C -30 3221
79		7.4T	28 7.027	0.0002	09	-31 8 21.32	0.012	09	0.41	7.016	14	07.2	21.85	15	07.0	A0	GC	8444	C*-31 3357
80	8.3	8.4W	28 7.106	-0.0031	18	-37 58 15.05	0.028	18	0.31	7.149	15	36.1	15.44	21	36.1	A0	C8	2458	C -37 2864
81	9.4	9.0W	28 14.271	-0.0001	21	-34 57 31.98	0.050	21	0.42	14.273	22	32.6	32.85	21	32.6	F5	C7	2787	C -34 2914
82	9.5	8.4W	28 20.026	-0.0026	13	-39 43 9.92	-0.013	13	0.26	20.061	15	36.1	9.74	21	36.1	K5	C8	2459	C -39 2637
83	11.0	9.5W	28 20.462	0.0013	21	-31 5 0.28	0.036	21	0.42	20.439	22	32.6	0.91	21	32.6		C7	2788	C -31 3365
84	10.1	10.0W	28 29.871	0.0001	21	-31 16 36.61	0.034	21	0.42	29.869	22	32.6	37.20	21	32.6	A8 L	C7	2789	C -31 3369
85	9.5	9.1W	28 31.416	-0.0026	21	-33 39 52.95	0.005	21	0.42	31.462	22	32.6	53.04	21	32.6	F5 L	C7	2790	C -33 3021
86	11.3	9.7W	28 39.160	0.0007	21	-30 28 38.45	-0.010	21	0.42	39.148	22	32.6	38.28	21	32.6		C7	2791	C -30 3232
87	9.8	9.6W	28 40.325	-0.0002	13	-35 26 44.57	-0.031	13	0.26	40.328	15	36.1	44.14	21	36.1	A8 L	C8	2460	C -35 2941
88	10.4		28 45.139	-0.0021	18	-36 9 47.22	-0.006	18	0.31	45.168	15	36.1	47.14	21	36.1	F8 L	C8	2461	C -36 2946
89	8.6	8.7W	29 1.220	-0.0029	21	-32 28 1.43	0.034	21	0.42	1.270	22	32.6	2.02	21	32.6	A2	C7	2793	C -32 3109
90		7.1T	29 4.293	-0.0007	12	-34 57 52.54	0.019	11	0.60	4.330	15	00.3	53.51	18	98.4	A5	GC	8471	C -34 2921
91	9.3	8.6W	29 6.722	-0.0070	07	-37 2 45.07	-0.153	07	0.21	6.819	15	36.1	42.94	21	36.1	K0	C8	2464	C -36 2950
92	9.4	9.5W	29 7.003	-0.0034	13	-39 3 47.24	-0.007	13	0.26	7.050	15	36.1	47.14	21	36.1	A0	C8	2465	C -39 2652
93	8.4	8.1W	29 16.451	0.0017	08	-35 26 27.96	-0.095	08	0.22	16.428	15	36.1	26.64	21	36.1	F5	C8	2466	C -35 2946
94	10.2	8.9W	29 17.876	-0.0008	21	-32 11 57.44	-0.001	21	0.42	17.890	22	32.6	57.42	21	32.6	K2 L	C7	2795	C -32 3115
95	11.2	9.6W	29 19.323	0.0013	21	-31 42 3.48	-0.026	21	0.42	19.300	22	32.6	3.01	21	32.6		C7	2796	C -31 3381
96	8.9	9.2W	29 23.752	-0.0027	13	-38 14 52.21	-0.034	13	0.26	23.789	15	36.1	51.74	21	36.1	A0	C8	2468	C -38 2707
97		5.8T	29 26.137	-0.0014	07	-35 13 20.43	-0.001	06	0.32	26.196	14	06.9	20.39	14	03.7	+++	GC	8486	C*-35 2947
98	9.1	9.3W	29 26.369	-0.0035	21	-32 14 27.12	0.006	21	0.42	26.430	22	32.6	27.22	21	32.6	A0	C7	2797	C -32 3119
99	9.9	8.5W	29 27.226	-0.0039	18	-39 0 15.90	0.010	18	0.31	27.280	15	36.1	16.04	21	36.1	K5	C8	2470	C -38 2709
00	8.2	8.4W	29 28.598	0.0007	07	-35 35 15.50	0.003	07	0.21	28.588	15	36.1	15.54	21	36.1	A2	C8	2471	C -35 2948

196900 | EPOCH 1950 | ORIGINAL EPOCH | -30° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.0	8.6W	6 29 29.524	0.0018	21	-34 36 3.67	0.016	21	0.42	29.493	22	32.6	3.95	21	32.6	A3	C7	2798	C -34 2925
2	9.4	9.5W	29 29.828	-0.0030	21	-32 51 29.69	0.002	21	0.42	29.882	22	32.6	29.74	21	32.6	A0	C7	2799	C -32 3125
3	10.3	9.4W	29 30.627	0.0026	21	-33 50 35.88	0.026	21	0.42	30.582	22	32.6	36.34	21	32.6	K0 L	C7	2800	C -33 3038
4	10.6	10.0W	29 30.752	-0.0026	21	-30 3 17.67	0.012	21	0.42	30.798	22	32.6	17.88	21	32.6		C7	2801	C -30 3243
5		6.6T	29 33.185	0.0003	16	-32 49 52.51	0.544	16	0.82	33.172	18	00.1	54.71	19	00.0	M0	GC	8496	C -32 3121
6		6.3T	29 50.933	-0.0007	06	-36 54 14.86	0.054	05	0.24	50.963	09	09.2	17.17	09	07.3	M0	GC	8498	C -36 2962
7	10.6	9.6W	29 51.200	0.0039	21	-33 57 23.33	-0.005	21	0.42	51.132	22	32.6	23.25	21	32.6	K0 L	C7	2803	C -33 3042
8	8.8	9.0W	29 55.150	0.0016	21	-34 27 47.76	-0.024	21	0.42	55.122	22	32.6	47.34	21	32.6	A0	C7	2804	C -34 2932
9		7.5T	30 1.625	-0.0018	12	-37 8 8.06	0.027	12	0.63	1.715	17	00.7	9.44	18	98.7	B9	GC	8502	C -37 2882
10	9.9	8.6W	30 3.702	0.0005	21	-31 12 44.33	0.062	21	0.42	3.693	22	32.6	45.41	21	32.6	K2 L	C7	2805	C -31 3389
11	10.2	9.3W	30 11.198	-0.0003	21	-32 29 56.01	-0.005	21	0.42	11.204	22	32.6	55.92	21	32.6	G5 L	C7	2806	C -32 3128
12	9.8	8.9W	30 20.676	-0.0042	18	-38 49 32.03	0.015	18	0.31	20.734	15	36.1	32.24	21	36.1	K1 L	C8	2477	C -38 2719
13	9.8	9.7W	30 22.741	-0.0047	21	-31 41 56.53	0.023	21	0.42	22.824	22	32.6	56.92	21	32.6	A8 L	C7	2807	C -31 3396
14	9.3	8.4W	30 24.386	-0.0048	13	-37 25 52.06	0.042	13	0.26	24.453	15	36.1	52.64	21	36.1	K2	C8	2478	C -37 2885
15	9.9		30 30.886	0.0017	18	-35 56 32.88	-0.046	18	0.31	30.862	15	36.1	32.24	21	36.1	A0 L	C8	2479	C -35 2960
16	9.6	8.9W	30 36.458	0.0007	21	-34 10 54.23	0.006	21	0.42	36.446	22	32.6	54.34	21	32.6	G5	C7	2808	C -34 2939
17		5.3T	30 38.440	0.0049	07	-37 39 27.17	-0.078	05	0.27	38.244	10	09.9	23.71	10	05.7	G5	GC	8514	C*-37 2889
18		7.7T	30 44.618	-0.0019	17	-31 59 38.17	-0.014	12	0.75	44.711	19	01.0	37.44	19	98.8	A0	GC	8517K	C -31 3407
19		5.7T	30 46.610	-0.0005	05	-31 59 31.89	-0.003	05	0.26	46.633	10	03.1	31.72	10	99.6	B3	GC	8520K	C*-31 3407
20	10.1	9.9W	30 51.466	-0.0028	21	-33 7 22.71	0.024	21	0.42	51.515	22	32.6	23.14	21	32.6	A8 L	C7	2811	C -33 3050
21	9.6	9.5W	30 53.951	-0.0006	21	-30 28 10.96	0.024	21	0.42	53.962	22	32.6	11.38	21	32.6	A8 L	C7	2812	C -30 3265
22	9.5	9.6W	30 57.079	-0.0033	21	-34 48 54.40	0.020	21	0.42	57.137	22	32.6	54.75	21	32.6	A0 L	C7	2813	C -34 2943
23	8.7	8.7W	31 4.248	-0.0032	21	-30 49 27.91	0.023	21	0.42	4.303	22	32.6	28.31	21	32.6	A0	C7	2814	C -30 3271
24	10.4	10.2W	31 12.859	-0.0019	21	-30 14 43.85	-0.010	21	0.42	12.892	22	32.6	43.68	21	32.6	G0 L	C7	2815	C -30 3273
25	9.7	9.3W	31 17.160	0.0003	21	-33 14 4.38	-0.008	21	0.42	17.155	22	32.6	4.24	21	32.6	F8 L	C7	2816	C -33 3056
26	10.1	9.2W	31 18.207	-0.0021	21	-32 24 5.39	0.019	21	0.42	18.244	22	32.6	5.72	21	32.6	G5 L	C7	2817	C -32 3147
27	9.8	9.1W	31 18.341	-0.0030	21	-31 2 19.76	-0.009	21	0.42	18.393	22	32.6	19.61	21	32.6	G5 L	C7	2818	C -30 3275
28	10.0	9.3W	31 19.804	0.0001	13	-35 31 11.42	-0.027	13	0.26	19.802	15	36.1	11.04	21	36.1	K0 L	C8	2481	C -35 2971
29	9.7	9.4W	31 23.983	-0.0028	13	-36 15 51.04	-0.014	13	0.26	24.022	15	36.1	50.84	21	36.1	F5 L	C8	2482	C -36 2979
30		6.4T	31 29.328	-0.0001	07	-38 35 8.89	-0.023	06	0.31	29.450	10	08.4	7.87	10	06.1	K0	GC	8535	C -38 2730
31	7.4	7.2W	31 29.445	-0.0006	09	-37 46 58.51	-0.005	09	0.22	29.453	15	36.1	58.45	21	36.1	F0	C8	2484	C -37 2901
32	10.0	9.1W	31 30.291	-0.0029	13	-35 25 11.66	0.013	13	0.26	30.331	15	36.1	11.84	21	36.1	K0 L	C8	2485	C -35 2973
33	8.4	6.9W	31 35.143	-0.0006	21	-32 11 13.94	-0.007	21	0.42	35.154	22	32.6	13.82	21	32.6	K5	C7	2819	C -32 3153
34	8.9	9.2W	31 39.165	-0.0013	18	-38 3 9.54	0.036	18	0.31	39.183	15	36.1	10.04	21	36.1	A0	C8	2486	C -38 2732
35	8.9	8.9W	31 40.380	-0.0013	21	-32 28 20.42	0.012	21	0.42	40.404	22	32.6	20.62	21	32.6	A0	C7	2820	C -32 3154
36	11.0	10.3W	31 40.532	-0.0023	21	-30 11 19.60	0.033	21	0.42	40.572	22	32.6	20.18	21	32.6		C7	2821	C -30 3279
37	10.1	9.3W	31 43.584	0.0013	21	-30 20 45.45	0.036	21	0.42	43.562	22	32.6	46.08	21	32.6	K2 L	C7	2822	C -30 3280
38	9.6	9.3W	31 47.249	-0.0004	21	-33 47 20.25	-0.047	21	0.42	47.256	22	32.6	19.44	21	32.6	F0	C7	2823	C -33 3061
39	10.1	9.3W	31 50.865	0.0006	21	-33 19 49.08	0.049	21	0.42	50.855	22	32.6	49.94	21	32.6	G5 L	C7	2824	C -33 3063
40	9.5	9.7W	31 51.160	0.0004	21	-32 0 26.23	-0.006	21	0.42	51.154	22	32.6	26.12	21	32.6	B8 L	C7	2825	C -31 3418
41	10.0	8.5W	31 51.467	-0.0015	21	-30 32 36.50	0.006	21	0.42	51.493	22	32.6	36.61	21	32.6	MA	C7	2826	C -30 3285
42	10.0	9.7W	31 52.647	-0.0060	21	-30 25 35.02	0.153	21	0.42	52.752	22	32.6	37.68	21	32.6		C7	2827	C -30 3286
43	7.9	8.2W	31 58.529	-0.0038	21	-32 59 54.93	0.024	21	0.42	58.595	22	32.6	55.34	21	32.6	A0	C7	2828	C -32 3159
44	8.5	8.1W	31 59.023	0.0005	06	-39 36 7.41	-0.041	06	0.26	58.906	15	36.1	6.84	21	36.1	G5	C8	2489	C -39 2680
45		5.5T	32 4.201	-0.0018	06	-36 11 36.90	0.093	05	0.26	4.279	09	05.8	41.49	09	00.6	K2	GC	8559	C*-36 2990
46	8.3	8.1W	32 8.583	0.0018	21	-30 17 48.75	-0.004	21	0.42	8.552	22	32.6	48.68	21	32.6	F2	C7	2829	C -30 3291
47	8.8	8.1W	32 10.480	0.0004	09	-38 48 31.17	-0.009	09	0.22	10.474	15	36.1	31.04	21	36.1	K0	C8	2491	C -38 2740
48	9.9	10.1W	32 15.166	-0.0033	21	-31 54 25.46	0.021	21	0.42	15.224	22	32.6	25.82	21	32.6	A0 L	C7	2830	C -31 3424
49	10.2	9.4W	32 28.783	-0.0065	18	-38 18 4.42	0.016	18	0.31	28.875	15	36.1	4.64	21	36.1	K0 L	C8	2492	C -38 2742
50	9.8	8.2W	32 32.387	0.0009	09	-38 43 25.77	-0.002	09	0.22	32.374	15	36.1	25.75	21	36.1	K5 L	C8	2493	C -38 2745
51	9.1	9.2W	6 32 34.196	0.0025	13	-35 10 21.86	-0.023	13	0.26	34.161	15	36.1	21.54	21	36.1	A5	C8	2494	C -35 2987
52	10.9	9.4W	32 35.514	-0.0018	21	-33 51 33.53	0.012	21	0.42	35.546	22	32.6	33.74	21	32.6		C7	2831	C -33 3072
53	9.7	9.6W	32 39.175	0.0006	21	-33 3 15.47	0.015	21	0.42	39.165	22	32.6	15.74	21	32.6	F5 L	C7	2832	C -32 3167
54	9.2	9.4W	32 43.650	0.0012	09	-37 6 1.41	0.002	09	0.22	43.633	15	36.1	1.44	21	36.1	A	C8	2495	C -37 2913
55		5.6T	32 43.983	-0.0005	06	-32 40 31.88	0.008	04	0.23	44.002	09	11.3	32.20	09	07.4	B9	GC	8573	C -32 3168
56	10.4		32 45.813	0.0016	13	-35 10 13.64	-0.072	13	0.26	45.791	15	36.1	12.64	21	36.1	F8 L	C8	2497	C -35 2992
57	9.0	9.0W	32 46.434	-0.0017	21	-31 46 50.82	0.012	21	0.42	46.464	22	32.6	51.02	21	32.6	A3	C7	2834	C -31 3431
58	9.7		32 47.832	-0.0029	13	-35 39 20.88	-0.039	13	0.26	47.872	15	36.1	20.34	21	36.1	B9 L	C8	2498	C -35 2993
59		6.7T	32 54.219	-0.0005	10	-33 58 7.95	0.037	07	0.49	54.244	15	96.9	10.11	15	92.3	F0	GC	8576K	C*-33 3080
60	11.0	9.8W	32 54.919	-0.0015	21	-32 54 32.39	0.078	21	0.42	54.945	22	32.6	33.74	21	32.6		C7	2836	C -32 3170
61	10.0	9.7W	32 57.781	-0.0044	13	-35 38 55.78	0.026	13	0.26	57.842	15	36.1	56.15	21	36.1	F8 L	C8	2499	C -35 2994
62		7.0T	32 58.788	-0.0008	12	-30 3 2.26	0.038	12	0.66	58.832	18	97.4	4.34	18	95.5	K5	GC	8579	C -29 3241
63	7.5	6.0W	33 4.119	-0.0037	21	-32 15 56.34	0.011	21	0.42	4.184	22	32.6	56.52	21	32.6	B8	C7	2838	C -32 3171
64	9.2	7.7W	33 4.202	-0.0001	21	-31 15 1.74	0.004	21	0.42	4.203	22	32.6	1.81	21	32.6	K5	C7	2839	C -31 3437
65	7.9	8.2W	33 4.813	-0.0006	21	-31 48 12.18	-0.009	21	0.42	4.824	22	32.6	12.02	21	32.6	B9	C7	2840	C -31 3438
66	9.0	8.6W	33 6.247	-0.0023	21	-34 47 40.52	0.019	21	0.42	6.287	22	32.6	40.85	21	32.6	G0	C7	2841	C -34 2964
67	8.9	8.9W	33 10.217	-0.0027	21	-30 53 45.55	0.038	21	0.42	10.263	22	32.6	46.21	21	32.6	A3	C7	2842	C -30 3306
68	9.8	9.0W	33 10.954	-0.0035	21	-33 10 29.39	0.037	21	0.42	11.015	22	32.6	30.04	21	32.6	G5	C7	2843	C -33 3084
69	9.5	8.9W	33 12.841	0.0101	21	-32 57 39.68	-0.032	21	0.42	12.665	22	32.6	39.14	21	32.6	G5	C7	2844	C -32 3175
70		7.3T	33 12.884	-0.0035	13	-35 0 30.12	-0.011	10	0.61	13.050	15	02.0	29.54	17	98.4	G5	GC	8585	C -34 2965
71	9.0	9.0W	33 15.335	-0.0022	21	-31 37 27.91	0.018	21	0.42	15.374	22	32.6	28.22	21	32.6	F0	C7	2846	C -31 3441
72	10.8	9.6W	33 16.704	-0.0047	21	-33 31 15.70	0.025	21	0.42	16.786	22	32.6	16.14	21	32.6	K5 L	C7	2847	C -33 3085
73	9.9	9.0W	33 24.245	0.0001	21	-31 57 18.64	0.011	21	0.42	24.244	22	32.6	18.82	21	32.6	G5 L	C7	2848	C -31 3445
74	9.3	9.1W	33 28.441	-0.0030	18	-37 3 56.94	-0.007	18	0.31	28.483	15	36.1	56.84	21	36.1	F5 L	C8	2500	C -37 2926
75	9.0	8.1W	33 29.658	0.0003	21	-31 45 7.29	0.031	21	0.42	29.654	22	32.6	7.82	21	32.6	K2	C7	2849	C -31 3448
76	7.5	8.0W	33 33.975	0.0001	21	-31 32 59.32	-0.011	21	0.42	33.974	22	32.6	59.12	21	32.6	B8	C7	2850	C -31 3451
77	9.0	7.9W	33 37.662	0.0035	09	-37 24 24.98	-0.046	09	0.22	37.613	15	36.1	24.34	21	36.1	K5	C8	2501	C -37 2929
78		5.6T	33 39.790	-0.0015	08	-36 44 18.51	0.017	07	0.43	39.869	15	98.0	19.45	14	94.7	B9	GC	8597K	C*-36 3009
79		7.2T	33 41.332	-0.0004	09	-38 46 2.70	-0.006	08	0.40	41.349	14	09.2	2.43	14	07.0	B8	GC	8600K	C*-38 2761
80	8.6	9.0W	33 43.820	-0.0002	21	-30 49 43.26	0.026	21	0.42	43.823	22	32.6	43.71	21	32.6	B8	C7	2851	C -30 3317
81	9.1	9.3W	33 46.687	0.0003	21	-30 24 23.82	0.032	21	0.42	46.682	22	32.6	24.38	21	32.6	A2	C7	2852	C -30 3318
82		7.1T	33 48.402	0.0016	12	-36 12 59.17	-0.044	11	0.61	48.322	19	00.6	56.83	18	97.0	A0	GC	8602	C -36 3011
83	8.3	7.5W	33 49.177	0.0003	09	-37 48 55.81	-0.041	09	0.22	49.173	15	36.1	55.24	21	36.1	K2	C8	2505	C -37 2932
84	9.3	9.4W	33 50.012	-0.0019	21	-33 10 53.26	0.010	21	0.42	50.045	22	32.6	53.44	21	32.6	A0	C7	2853	C -33 3091
85	9.9	9.4W	33 55.074	-0.0058	21	-33 26 32.23	0.017	21	0.42	55.064	22	32.6	32.54	21	32.6	G5 L	C7	2854	C -33 3092
86	9.9	9.3W	33 58.924	0.0018	21	-30 1 33.22	0.038	21	0.42	58.902	22	32.6	33.08	21	32.6	K0	C7	2855	C -29 3254
87		6.3T	34 8.595	-0.0093	13	-36 2 42.41	-0.097	12	0.67	8.863	15	99.2	37.18	17	96.2	F5	GC	8611K	C*-35 3005
88	7.8	7.5W	34 12.115	0.0017	06	-35 7 47.19	0.083	06	0.20	12.091	15	36.1	48.34	21	36.1	F5	C8	2508	C -35 3008
89	9.8	9.2W	34 13.469	-0.0031	21	-32 10 46.04	0.011	21	0.42	13.524	22	32.6	46.22	21	32.6	G5 L	C7	2856	C -32 3187
90		7.1T	34 27.298	-0.0038	13	-36 5 41.28	-0.111	11	0.66	27.484	19	00.7	35.34	18	96.6	G0	GC	8621	C -36 3020
91	8.1	8.1W	34 28.613	-0.0007	09	-36 36 19.13	0.001	09	0.22	28.623	15	36.1	19.14	21	36.1	A3	C8	2510	C -36 3021
92	10.3	9.6W	34 30.473	0.0005	13	-35 59 47.83	-0.042	13	0.26	30.472	15	36.1	47.25	21	36.1	K0 L	C8	2511	C -35 3013
93	10.9	9.7W	34 31.785	0.0001	21	-30 44 56.83	0.010	21	0.42	31.783	22	32.6	57.01	21	32.6		C7	2857	C -30 3333
94	9.9	9.8W	34 32.522	-0.0019	21	-31 26 12.57	0.010	21	0.42	32.555	22	32.6	12.74	21	32.6	F2 L	C7	2858	C -31 3100
95		6.8T	34 35.360	-0.0018	12	-31 50 38.93	0.024	09	0.55	35.449	17	00.5	40.15	15	98.5	F2	GC	8627	C*-31 3468
96	10.1		34 39.480	-0.0003	13	-39 12 50.61	-0.034	13	0.26	39.484	15	36.1	50.14	21	36.1	A0 L	C8	2512	C -39 2699
97	10.7		34 40.434	-0.0057	18	-37 47 46.33	0.058	18	0.31	40.513	15	36.1	47.14	21	36.1	A3 L	C8	2513	C -37 2942
98	8.6	8.8W	34 45.306	-0.0012	21	-34 38 4.76	0.011	21	0.42	45.327	22	32.6	4.95	21	32.6	A2	C7	2860	C -34 2978
99	9.9	9.3W	34 45.722	0.0027	13	-39 1 43.83	-0.006	13	0.26	45.684	15	36.1	43.74	21	36.1	G2 L	C8	2514	C -38 2773
00	9.8	9.6W	34 53.749	0.0012	09	-36 12 25.59	-0.054	09	0.22	53.732	15	36.1	24.84	21	36.1		C8	2515	C -36 3022

197000			EPOCH 1950									ORIGINAL EPOCH						SP.		SOURCE		-30° 6H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01								
1	10.0	9.0W	6 34 53.902	0.0021	21	-33 31 42.02	0.047	21	0.42	53.866	22	32.6	42.84	21	32.6	G5	L	C7	2861	C -33 3102		
2	9.7	8.3W	34 55.585	0.0009	07	-36 8 54.45	-0.022	07	0.21	55.572	15	36.1	54.14	21	36.1	K1	L	C8	2516	C -36 3023		
3	11.1	9.8W	34 56.337	0.0002	21	-31 6 40.60	0.029	21	0.42	56.333	22	32.6	41.11	21	32.6			C7	2862	C -31 3471		
4	11.0	9.7W	34 57.309	-0.0014	21	-30 57 35.79	0.001	21	0.42	57.333	22	32.6	35.81	21	32.6			C7	2863	C -30 3340		
5	10.1	9.4W	34 57.385	-0.0023	21	-33 14 30.31	0.053	21	0.42	57.425	22	32.6	31.24	21	32.6	K0	L	C7	2864	C -33 3103		
6	11.0	10.0W	35 2.732	-0.0002	21	-33 55 56.41	0.065	21	0.42	2.736	22	32.6	57.54	21	32.6	K0	L	C7	2865	C -33 3105		
7	9.5	8.6W	35 10.014	0.0002	09	-35 6 25.52	-0.013	09	0.22	10.011	15	36.1	25.34	21	36.1	K0	L	C8	2517	C -35 3018		
8		7.7T	35 10.329	0.0254	13	-32 10 51.17	-0.054	10	0.57	9.148	17	03.5	48.55	17	01.8	G5		GC	8647	C -32 3202		
9	10.5	9.5W	35 11.304	0.0001	23	-35 49 16.22	0.016	23	0.37	11.302	15	36.1	16.44	21	36.1	K0	L	C8	2518	C -35 3019		
10	10.0	10.1W	35 14.991	-0.0000	21	-30 16 27.98	0.017	21	0.42	14.992	22	32.6	28.28	21	32.6	A0	L	C7	2867	C -30 3343		
11		6.0T	35 19.966	-0.0001	06	-38 6 12.39	0.039	05	0.28	19.971	12	07.7	14.26	12	02.1	G5		GC	8654K	C -38 2782		
12	10.4	9.7W	35 20.416	-0.0029	21	-34 45 41.97	0.022	21	0.42	20.467	22	32.6	42.35	21	32.6	G2	L	C7	2868	C -34 2985		
13	9.9	8.5W	35 20.628	-0.0026	21	-32 20 32.81	0.018	21	0.42	20.674	22	32.6	33.12	21	32.6	K2		C7	2869	C -32 3205		
14		5.7T	35 29.758	-0.0018	06	-36 56 48.47	0.016	05	0.29	29.836	12	07.1	49.22	12	02.9	B9		GC	8658	C*-36 3031		
15	10.0	8.9W	35 36.025	-0.0005	21	-31 24 34.04	0.004	21	0.42	36.033	22	32.6	34.11	21	32.6	K0	L	C7	2871	C -31 3489		
16	9.0	8.9W	35 39.558	-0.0025	21	-30 26 55.82	0.038	21	0.42	39.602	22	32.6	56.48	21	32.6	B9		C7	2872	C -30 3350		
17	10.5	9.0W	35 48.890	-0.0024	18	-37 26 35.35	-0.022	18	0.31	48.923	15	36.1	35.04	21	36.1	K2	L	C8	2521	C -37 2953		
18	9.7	8.9W	35 54.824	-0.0021	13	-37 54 18.13	-0.021	13	0.26	54.853	15	36.1	17.85	21	36.1	K0		C8	2522	C -37 2955		
19		5.3T	35 55.159	0.0078	06	-32 17 45.96	0.067	05	0.29	54.825	12	07.1	49.13	12	02.4	G5		GC	8667	C*-32 3216		
20	8.4	8.4W	35 58.618	-0.0038	21	-30 35 20.46	-0.026	21	0.42	58.683	22	32.6	20.01	21	32.6	A3		C7	2874	C -30 3357		
21	7.5	7.9W	35 58.956	-0.0006	18	-38 35 2.03	0.008	18	0.31	58.964	15	36.1	2.14	21	36.1	B8		C8	2523	C -38 2793		
22	9.7	9.7W	36 0.477	-0.0016	21	-33 29 0.65	-0.000	21	0.42	0.505	22	32.6	0.64	21	32.6	A2	L	C7	2875	C -33 3114		
23	9.6	9.4W	36 1.069	-0.0027	21	-33 51 52.68	0.015	21	0.42	1.116	22	32.6	52.94	21	32.6	F2	L	C7	2876	C -33 3115		
24	10.8	10.3W	36 2.329	-0.0026	21	-31 8 9.40	0.035	21	0.42	2.373	22	32.6	10.01	21	32.6	G0	L	C7	2877	C -31 3495		
25	8.1	7.8W	36 4.575	-0.0027	06	-36 4 5.63	-0.071	06	0.20	4.612	15	36.1	4.64	21	36.1	F8		C8	2524	C -35 3034		
26	10.6	9.2W	36 4.767	-0.0011	21	-34 15 3.37	-0.002	21	0.42	4.786	22	32.6	3.34	21	32.6	M	L	C7	2878	C -34 2993		
27	10.6	9.7W	36 28.749	0.0027	21	-30 3 20.40	0.010	21	0.42	28.702	22	32.6	20.58	21	32.6			C7	2879	C -30 3366		
28	10.5	9.7W	36 30.825	-0.0020	13	-36 39 20.01	-0.012	13	0.26	30.853	15	36.1	19.84	21	36.1	G8	L	C8	2525	C -36 3040		
29	10.1	9.4W	36 36.331	-0.0053	21	-31 38 49.48	0.020	21	0.42	36.424	22	32.6	49.82	21	32.6	G0	L	C7	2880	C -31 3505		
30	11.0	9.3W	36 36.702	-0.0025	21	-34 6 43.60	0.031	21	0.42	36.746	22	32.6	44.14	21	32.6			C7	2881	C -34 2999		
31	10.8	10.4W	36 46.000	-0.0025	21	-30 43 20.38	0.059	21	0.42	46.043	22	32.6	21.41	21	32.6	G0	L	C7	2882	C -30 3374		
32	9.5	9.5W	36 50.247	-0.0043	21	-30 27 9.40	0.022	21	0.42	50.322	22	32.6	9.78	21	32.6	A0		C7	2883	C -30 3375		
33	9.9	8.9W	36 51.415	0.0023	09	-37 30 7.90	0.017	09	0.22	51.383	15	36.1	8.14	21	36.1	K1	L	C8	2526	C -37 2966		
34	9.9	9.2W	36 52.285	-0.0050	13	-39 25 24.55	-0.073	13	0.26	52.354	15	36.1	23.54	21	36.1	K2		C8	2527	C -39 2725		
35		7.0T	36 57.265	0.0006	06	-37 56 59.75	-0.027	06	0.29	57.241	12	08.0	58.58	12	06.6	A2		GC	8692	C*-37 2970		
36	8.9	8.8W	37 0.393	-0.0001	21	-32 47 6.25	0.053	21	0.41	0.395	22	33.1	7.14	21	33.1	A0		C7	2884	C -32 3230		
37		8.9R	37 0.973	-0.0002	20	-30 0 43.32	0.006	20	0.37	0.977	16	33.1	43.43	16	33.1	B8	M	138	3142	J -29 3311		
38	9.2	9.2W	37 5.541	-0.0043	21	-31 21 31.55	0.027	21	0.41	5.613	22	33.1	32.01	21	33.1	A0		C7	2885	C -31 3514		
39	9.9	9.6W	37 8.256	-0.0004	10	-35 22 17.08	-0.125	10	0.23	8.261	15	36.1	15.34	21	36.1	G2	L	C8	2529	C -35 3044		
40	9.2	9.6W	37 12.552	0.0008	07	-35 27 20.60	0.003	07	0.21	12.541	15	36.1	20.65	21	36.1	A0		C8	2530	C -35 3046		
41	9.6	9.4W	37 13.224	-0.0013	21	-34 14 44.71	-0.028	21	0.41	13.246	22	33.1	44.25	21	33.1	F2	L	C7	2886	C -34 3006		
42	8.6	7.9W	37 14.422	-0.0028	07	-35 5 25.77	0.012	07	0.21	14.461	15	36.1	25.94	21	36.1	G5		C8	2531	C -35 3047		
43	10.0	10.0W	37 18.283	-0.0114	21	-34 24 7.41	-0.022	21	0.41	18.476	22	33.1	7.05	21	33.1	A0	L	C7	2887	C -34 3007		
44	7.2	7.6W	37 22.201	-0.0001	21	-31 47 21.37	0.015	21	0.41	22.204	22	33.1	21.62	21	33.1	B3		C7	2888	C -31 3520		
45	11.2	9.7W	37 22.483	0.0007	21	-30 15 52.40	-0.025	21	0.41	22.472	22	33.1	51.98	21	33.1			C7	2889	C -30 3380		
46	8.6	7.7W	37 22.701	-0.0016	09	-37 29 12.53	-0.028	09	0.22	22.723	15	36.1	12.14	21	36.1	K0		C8	2532	C -37 2974		
47	10.2	9.8W	37 24.711	-0.0049	21	-30 59 25.73	0.034	21	0.41	24.793	22	33.1	26.31	21	33.1	G0	L	C7	2890	C -30 3381		
48	10.1	8.8W	37 28.550	-0.0009	21	-32 52 36.05	0.005	21	0.41	28.565	22	33.1	36.14	21	33.1	K2	L	C7	2891	C -32 3241		
49	8.2	8.2W	37 29.307	0.0004	07	-35 29 10.02	-0.013	07	0.21	29.301	15	36.1	9.84	21	36.1	F0		C8	2533	C -35 3049		
50		9.1R	37 30.417	0.0011	20	-30 18 51.08	0.043	20	0.37	30.399	16	33.1	51.81	16	33.1	G5	M	138	3150	J -30 3383		
51	8.9	8.3W	6 37 35.179	-0.0039	18	-37 4 57.67	-0.045	18	0.31	35.233	15	36.1	57.05	21	36.1	K0		C8	2534	C -37 2977		
52	8.3	8.2W	37 36.059	-0.0024	13	-35 57 41.03	0.030	13	0.26	36.092	15	36.1	41.44	21	36.1	F2		C8	2535	C -35 3050		
53	11.0	10.4W	37 37.332	-0.0149	21	-31 23 3.26	0.050	21	0.41	37.583	22	33.1	4.11	21	33.1	G0	L	C7	2893	C -31 3525		
54	10.3	9.4W	37 44.132	-0.0027	21	-34 50 36.98	0.010	21	0.41	44.177	22	33.1	37.15	21	33.1	K0	L	C7	2894	C -34 3013		
55	8.6	8.9W	37 45.134	-0.0021	18	-37 35 7.48	0.026	18	0.31	45.163	15	36.1	7.84	21	36.1	B8		C8	2537	C -37 2979		
56	9.8	9.5W	37 46.885	-0.0012	09	-35 52 51.59	0.018	09	0.22	46.902	15	36.1	51.84	21	36.1	G0	L	C8	2538	C -35 3051		
57		5.8T	37 47.661	-0.0008	07	-30 25 15.14	-0.184	07	0.34	47.696	12	07.4	7.07	12	06.1	K0		GC	8712	C -30 3386		
58	10.1	9.9W	37 54.871	-0.0024	21	-30 6 35.04	0.026	21	0.41	54.912	22	33.1	35.48	21	33.1	F		C7	2896	C -30 3388		
59	9.0	9.2W	38 1.075	-0.0020	10	-37 40 24.02	-0.013	10	0.23	1.103	15	36.1	23.84	21	36.1	B9		C8	2540	C -37 2983		
60	7.5	8.0W	38 7.616	-0.0011	21	-32 50 41.04	0.005	21	0.41	7.635	22	33.1	41.14	21	33.1	B9		C7	2897	C -32 3256		
61	9.5	9.2W	38 9.997	-0.0022	21	-30 30 12.48	0.049	21	0.41	10.033	22	33.1	13.31	21	33.1	G0	L	C7	2898	C*-30 3394		
62	9.1	9.3W	38 10.785	-0.0012	21	-32 42 8.46	0.010	21	0.41	10.805	22	33.1	8.64	21	33.1	A0		C7	2899	C -32 3257		
63	8.8	9.1W	38 10.822	-0.0016	13	-39 21 46.80	0.003	13	0.26	10.844	15	36.1	46.84	21	36.1	A0		C8	2541	C -39 2748		
64		6.5T	38 14.600	0.0041	06	-38 6 40.20	-0.028	05	0.27	14.429	12	08.0	38.86	12	02.2	K0		GC	8722	C*-38 2817		
65	9.4	9.3W	38 16.236	0.0001	18	-38 44 9.75	0.014	18	0.31	16.234	15	36.1	9.94	21	36.1	A		C8	2543	C -38 2818		
66	8.9	8.1W	38 18.727	0.0003	13	-36 54 27.71	-0.034	13	0.26	18.723	15	36.1	27.24	21	36.1	K0		C8	2544	C -36 3065		
67	10.0	9.7W	38 20.540	-0.0014	21	-31 55 39.40	-0.016	21	0.41	20.564	22	33.1	39.12	21	33.1	F5	L	C7	2900	C -31 3539		
68	9.9	10.0W	38 23.729	-0.0052	21	-34 48 53.75	-0.006	21	0.41	23.817	22	33.1	53.65	21	33.1	F5	L	C7	2901	C -34 3023		
69	9.0	9.2W	38 24.648	-0.0019	13	-39 25 8.63	-0.021	13	0.26	24.674	15	36.1	8.34	21	36.1	A0		C8	2545	C -39 2750		
70	10.6	9.7W	38 25.274	0.0000	21	-31 23 24.82	0.035	21	0.41	25.273	22	33.1	25.41	21	33.1	G2	L	C7	2902	C -31 3540		
71	9.9	9.4W	38 26.610	-0.0046	08	-39 15 53.38	-0.010	08	0.22	26.674	15	36.1	53.24	21	36.1	G5		C8	2547	C -39 2751		
72	10.5	9.9W	38 27.877	0.0033	21	-30 14 8.04	0.162	21	0.41	27.821	22	33.1	10.78	21	33.1			C7	2903	C -30 3396		
73	9.4	9.5W	38 35.711	-0.0026	21	-33 19 48.46	-0.049	21	0.41	35.755	22	33.1	47.64	21	33.1	A2	L	C7	2904	C -33 3143		
74	9.3	8.2W	38 42.376	-0.0026	13	-36 5 11.97	-0.016	13	0.26	42.412	15	36.1	11.75	21	36.1	K2		C8	2548	C -36 3071		
75	10.1	9.9W	38 42.420	-0.0008	18	-35 22 44.98	-0.003	18	0.31	42.431	15	36.1	44.94	21	36.1	F2	L	C8	2549	C -35 3062		
76	7.7	7.6W	38 44.568	-0.0034	21	-34 9 54.06	0.052	21	0.41	44.626	22	33.1	54.95	21	33.1	A2		C7	2905	C -34 3026		
77	10.5	9.3W	38 49.153	-0.0031	21	-33 45 3.61	-0.008	21	0.41	49.206	22	33.1	3.75	21	33.1	G5	L	C7	2906	C -33 3147		
78	9.9	9.4W	38 49.495	-0.0016	13	-35 57 28.35	-0.015	13	0.26	49.472	15	36.1	28.14	21	36.1	G8	L	C8	2550	C -35 3064		
79	8.6	7.7W	38 52.852	-0.0002	21	-32 43 49.08	0.010	21	0.41	52.855	22	33.1	49.24	21	33.1	K0		C7	2907	C -32 3268		
80	9.8	8.6W	39 4.853	-0.0018	21	-30 30 15.84	-0.008	21	0.41	4.883	22	33.1	15.71	21	33.1	K5		C7	2908	C -30 3408		
81	10.6	9.3W	39 5.298	-0.0009	21	-31 55 37.00	0.025	21	0.41	5.314	22	33.1	37.42	21	33.1	K2	L	C7	2909	C -31 3553		
82	9.7	9.1W	39 10.125	0.0009	13	-36 25 31.63	0.044	13	0.26	10.112	15	36.1	32.24	21	36.1	G0		C8	2553	C -36 3076		
83	9.8	8.8W	39 12.865	-0.0013	18	-38 16 42.29	0.004	18	0.31	12.883	15	36.1	42.34	21	36.1	K0		C8	2554	C -38 2823		
84		7.1T	39 13.115	-0.0005	12	-30 35 49.62	0.014	08	0.57	13.141	18	99.5	50.39	17	95.0	B9		GC	8746	C*-30 3412		
85	11.4	10.0W	39 16.173	0.0012	21	-31 33 5.78	0.038	21	0.41	16.154	22	33.1	6.42	21	33.1			C7	2911	C -31 3556		
86	8.8	7.3W	39 22.323	0.0010	21	-34 27 39.67	-0.049	21	0.41	22.306	22	33.1	38.85	21	33.1	K5		C7	2912	C -34 3035		
87	10.5	9.7W	39 22.909	-0.0046	13	-36 55 7.80	0.003	13	0.26	22.973	15	36.1	7.85	21	36.1	F8		C8	2555	C -36 3078		
88	9.9	9.6W	39 37.968	-0.0015	21	-31 33 13.63	0.053	21	0.41	37.994	22	33.1	14.52	21	33.1	G0	L	C7	2913	C -31 3562		
89	10.2	9.0W	39 38.703	-0.0001	10	-38 52 5.38	-0.003	10	0.23	38.704	15	36.1	5.34	21	36.1	K2		C8	2556	C -38 2834		
90	10.1	9.6W	39 39.132	-0.0001	21	-31 42 52.49	0.055	21	0.41	39.134	22	33.1	53.42	21	33.1	G0	L	C7	2914	C -31 3563		
91	10.5	10.0W	39 42.405	-0.0005	21	-31 11 16.43	0.034	21	0.41	42.413	22	33.1	17.01	21	33.1	G0	L	C7	2915	C -31 3564		
92	9.5	8.6W	39 46.099	-0.0020	21	-32 14 22.15	0.046	21	0.41	46.134	22	33.1	22.92	21	33.1	K2		C7	2916	C -32 3279		
93	9.0	8.9W	39 49.755	0.0001	21	-30 39 24.44	-0.008	21	0.41	49.753	22	33.1	24.31	21	33.1	F0		C7	2917	C -30 3423		
94	9.3	9.1W	39 51.552	0.0010	21	-33 19 32.23	0.019	21	0.41	51.535	22	33.1	32.54	21	33.1	F8	L	C7	2918	C -33 3155		
95	10.5	9.5W	39 52.046	0.0132	08	-35 30 16.84	0.000	08	0.22	51.862	15	36.1	16.84	21	36.1	K5	L	C8	2557	C -35 3073		
96	9.5	8.5W	39 52.598	-0.0022	21	-33 25 13.49	0.020	21	0.41	52.635	22	33.1	13.84	21	33.1	K5		C7	2919	C -33 3156		
97	9.9	9.9W	40 3.398	0.0011	18	-38 14 11.67	-0.002	18	0.31	3.383	15	36.1	11.64	21	36.1	A5		C8	2558	C -38 2838		
98	9.5	9.5W	40 6.383	-0.0049	21	-34 7 38.42	0.001	21	0.41	6.466	22	33.1	38.45	21	33.1	A3	L	C7	2920	C -34 3042		
99	9.8	9.0W	40 13.144	-0.0002	21	-34 54 29.87	-0.037	21	0.41	13.147	22	33.1	29.25	21	33.1	K0	L	C7	2921	C -34 3046		
00	10.2	9.4W	40 13.988	-0.0017	13	-35 33 1.57	0.012	13	0.26	14.012	15	36.1	1.74	21	36.1	K0	L	C8	2559	C -35 3075		

197100			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-30° 6H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	".001	° ′ ″	″	".001	″	s	".01		″	".01							
1	7.4	7.7W	6 40 14.883	-0.0016	13	-39 44 17.55	-0.022	13	0.26	14.905	15	36.1	17.24	21	36.1	A0		C8	2560	C -39 2777	
2	9.6	9.3W	40 19.239	-0.0031	21	-30 0 27.24	0.038	21	0.41	19.292	22	33.1	27.88	21	33.1	F8	L	C7	2922	C -29 3373	
3	8.7	8.3W	40 22.957	-0.0033	18	-37 57 14.91	0.031	18	0.31	23.003	15	36.1	15.34	21	36.1	G5		C8	2561	C#-37 3013	
4	7.5	7.8W	40 25.833	-0.0012	21	-31 36 59.03	-0.012	21	0.41	25.854	22	33.1	58.82	21	33.1	B9		C7	2923	C -31 3583	
5	10.2	9.2W	40 30.753	-0.0014	13	-35 58 42.27	0.005	13	0.26	30.772	15	36.1	42.34	21	36.1	K0	L	C8	2562	C -35 3080	
6	9.5	9.7W	40 33.141	-0.0016	13	-38 9 36.85	-0.022	13	0.26	33.163	15	36.1	36.54	21	36.1	A2		C8	2563	C -38 2843	
7		9.2T	40 33.941	-0.0027	13	-38 20 54.48	0.002	12	0.70	34.083	19	97.8	54.58	19	95.9			GC	8776K	C -38 2844	
8		6.3T	40 34.740	-0.0019	06	-38 20 55.46	0.004	05	0.29	34.824	12	06.0	55.65	12	00.8	A3		GC	8777K	C -38 2844	
9	10.0	9.8W	40 37.795	-0.0006	23	-36 48 39.13	-0.064	23	0.37	37.803	15	36.1	38.24	21	36.1	G0	L	C8	2566	C -36 3091	
10	11.0	9.6W	40 39.747	-0.0045	21	-31 32 27.53	-0.000	21	0.41	39.824	22	33.1	27.52	21	33.1			C7	2924	C -31 3585	
11	9.8	9.0W	40 40.732	0.0004	21	-34 26 18.99	-0.003	21	0.41	40.726	22	33.1	18.95	21	33.1	G5	L	C7	2925	C -34 3053	
12	8.0	8.2W	40 43.258	-0.0040	21	-34 18 39.99	-0.009	21	0.41	43.326	22	33.1	39.85	21	33.1	A0		C7	2926	C -34 3054	
13	9.2	8.4W	40 48.355	0.0024	07	-36 10 19.52	-0.034	07	0.21	48.322	15	36.1	19.05	21	36.1	K0		C8	2567	C -36 3084	
14	10.4	9.5W	40 51.128	-0.0026	21	-30 11 48.92	0.021	21	0.41	51.172	22	33.1	49.28	21	33.1			C7	2927	C -30 3442	
15		6.8T	40 51.714	-0.0004	15	-32 39 44.60	0.001	12	0.67	51.732	17	03.1	44.63	17	00.0	F0		GC	8767	C#-32 3296	
16	8.6	8.6W	40 53.148	-0.0021	21	-30 51 8.63	0.046	21	0.41	53.183	22	33.1	9.41	21	33.1	A2		C7	2929	C -30 3443	
17	9.5	8.4W	40 53.220	0.0008	21	-34 43 43.44	0.036	21	0.41	53.207	22	33.1	44.05	21	33.1	K5		C7	2930	C -34 3058	
18	9.5		40 53.302	-0.0048	21	-31 33 24.08	-0.015	21	0.41	53.384	22	33.1	23.82	21	33.1			C7	2931	C -31 3592	
19	7.6	7.9W	40 55.542	-0.0015	13	-36 34 48.44	-0.007	13	0.26	55.563	15	36.1	48.34	21	36.1	A0		C8	2568	C -36 3097	
20	10.0	9.0W	40 56.003	-0.0021	09	-36 11 29.04	0.007	09	0.22	56.032	15	36.1	29.14	21	36.1	K0	L	C8	2569	C -36 3096	
21	10.0		40 56.373	0.0015	30	-35 37 47.02	-0.020	30	0.45	56.352	15	36.1	46.74	21	36.1	F2	L	C8	2570	C -35 3083	
22	10.5	9.8W	40 58.165	-0.0122	21	-30 4 40.26	0.119	21	0.41	58.372	22	33.1	42.28	21	33.1			C7	2932	C -30 3445	
23	10.1	9.9W	41 7.494	-0.0041	21	-31 57 45.80	0.019	21	0.41	7.564	22	33.1	46.12	21	33.1	F8	L	C7	2933	C -31 3597	
24	9.1	9.3W	41 9.387	-0.0034	21	-32 56 36.74	0.029	21	0.41	9.445	22	33.1	37.24	21	33.1	A0		C7	2934	C -32 3305	
25	10.6	9.8W	41 10.378	-0.0027	21	-30 39 59.97	0.002	21	0.41	10.423	22	33.1	+ 0.01	21	33.1			C7	2935	C -30 3447	
26	10.6	9.4W	41 13.258	-0.0002	21	-30 13 16.49	0.023	21	0.41	13.261	22	33.1	16.88	21	33.1			C7	2936	C -30 3450	
27	9.6	8.3W	41 14.899	-0.0040	21	-34 40 47.93	0.007	21	0.41	14.967	22	33.1	48.05	21	33.1	K2		C7	2937	C -34 3061	
28	9.6	9.0W	41 15.895	-0.0005	21	-31 21 50.75	0.009	21	0.41	15.903	22	33.1	50.91	21	33.1	A		C7	2938	C -31 3600	
29	10.4	9.8W	41 17.485	0.0014	21	-30 8 24.36	0.025	21	0.41	17.461	22	33.1	24.78	21	33.1			C7	2939	C -30 3454	
30		8.7T	41 18.717	-0.0027	17	-38 54 48.43	0.012	12	0.69	18.837	22	06.0	48.99	21	03.4	A0		GC	8796	C -38 2856	
31	7.6	8.1W	41 18.735	-0.0013	18	-37 19 8.30	-0.004	18	0.31	18.753	15	36.1	8.24	21	36.1	B9		C8	2572	C -37 3022	
32	8.6	8.6W	41 32.215	-0.0012	13	-35 34 48.41	-0.027	13	0.26	32.232	15	36.1	48.04	21	36.1	A0		C8	2575	C -35 3090	
33	10.6	9.5W	41 39.647	0.0014	21	-31 43 27.45	-0.019	21	0.41	39.624	22	33.1	27.12	21	33.1			C7	2940	C -31 3605	
34		6.3T	41 43.096	-0.0009	07	-39 8 29.56	-0.010	06	0.30	43.135	12	07.2	29.08	12	02.4	A3		GC	8802	C -39 2798	
35	9.6	9.9W	41 43.818	-0.0033	21	-30 55 48.11	0.029	21	0.41	43.873	22	33.1	48.61	21	33.1	A		C7	2941	C -30 3465	
36	10.4	9.2W	41 44.924	-0.0026	21	-33 37 59.08	-0.014	21	0.41	45.036	22	33.1	58.85	21	33.1	K2	L	C7	2942	C -33 3178	
37	11.0	9.4W	41 45.979	-0.0020	21	-32 3 39.06	-0.008	21	0.41	46.014	22	33.1	38.92	21	33.1			C7	2943	C -31 3606	
38	8.1	8.3W	41 53.183	-0.0001	09	-39 19 16.78	0.004	09	0.22	53.184	15	36.1	16.84	21	36.1	A0		C8	2577	C -39 2800	
39	8.1	7.2W	41 54.311	-0.0023	09	-37 43 20.61	0.017	09	0.22	54.343	15	36.1	20.84	21	36.1	K0		C8	2578	C -37 3029	
40	10.4	9.1W	41 58.504	-0.0013	13	-36 29 22.31	-0.026	13	0.26	58.522	15	36.1	21.95	21	36.1	K1	L	C8	2579	C -36 3107	
41	10.8	9.5W	42 5.172	0.0015	18	-35 15 10.15	-0.015	18	0.31	5.151	15	36.1	9.94	21	36.1	K2	L	C8	2581	C -35 3096	
42	9.3	7.7W	42 6.393	-0.0012	21	-32 22 45.95	-0.025	21	0.41	6.414	22	33.1	45.52	21	33.1	K5		C7	2944	C -32 3321	
43	9.1	8.9W	42 7.315	-0.0012	21	-32 41 55.13	0.071	21	0.41	7.335	22	33.1	56.34	21	33.1	F8	L	C7	2945	C -32 3322	
44	9.3	9.0W	42 10.249	-0.0022	21	-34 11 17.36	-0.037	21	0.41	10.286	22	33.1	16.75	21	33.1	F5	L	C7	2946	C -34 3071	
45	9.7	8.2W	42 11.686	-0.0004	21	-32 2 41.04	-0.007	21	0.41	11.694	22	33.1	40.92	21	33.1	K2	L	C7	2947	C -31 3612	
46	10.2	9.2W	42 20.358	-0.0034	21	-34 4 20.48	-0.002	21	0.41	20.416	22	33.1	20.45	21	33.1	K0	L	C7	2948	C -33 3165	
47	9.2	8.7W	42 26.249	-0.0025	21	-30 7 6.97	-0.041	21	0.41	26.292	22	33.1	6.28	21	33.1	G5		C7	2949	C -30 3480	
48	10.3	9.3W	42 28.867	-0.0017	18	-35 16 15.11	0.031	18	0.31	28.891	15	36.1	15.54	21	36.1	K1	L	C8	2582	C -35 3101	
49		5.2T	42 34.183	-0.0016	06	-31 1 4.81	0.006	05	0.28	34.254	10	06.4	5.10	10	01.8	B3P		GC	8827K	C#-30 3484	
50	9.9	9.5W	42 36.960	-0.0045	21	-33 55 34.76	-0.084	21	0.41	37.036	22	33.1	33.35	21	33.1	G2	L	C7	2951	C -33 3188	
51	10.7		6 42 37.397	-0.0019	15	-37 2 26.53	0.001	15	0.28	37.423	15	36.1	26.54	21	36.1	F8	L	C8	2583	C -36 3115	
52	9.0	9.0W	42 37.865	-0.0022	13	-39 54 45.65	-0.037	13	0.26	37.895	15	36.1	45.14	21	36.1	A2		C8	2584	C -39 2806	
53	9.2	8.4W	42 37.948	-0.0003	07	-36 15 32.61	0.002	07	0.21	37.952	15	36.1	32.64	21	36.1	G5		C8	2585	C -36 3114	
54	10.0	9.6W	42 38.454	-0.0041	21	-30 58 6.57	0.032	21	0.41	38.523	22	33.1	7.11	21	33.1			C7	2952	C -30 3485	
55	8.7	8.4W	42 45.549	-0.0003	07	-38 0 52.47	-0.103	07	0.21	45.553	15	36.1	51.04	21	36.1	G0		C8	2586	C -37 3035	
56	8.5	8.6W	42 47.640	-0.0002	10	-37 44 59.84	0.000	10	0.23	47.642	15	36.1	59.84	21	36.1	A2		C8	2588	C -37 3036	
57	9.9	9.0W	42 48.744	-0.0080	21	-33 44 0.08	-0.020	21	0.41	48.846	22	33.1	-59.75	21	33.1	K0	L	C7	2953	C -33 3191	
58	9.0	9.0W	42 50.087	-0.0011	09	-36 24 8.55	-0.022	09	0.22	50.102	15	36.1	8.24	21	36.1	A2		C8	2589	C -36 3117	
59	9.9	8.7W	42 55.679	-0.0017	18	-38 23 2.30	-0.026	18	0.31	55.703	15	36.1	1.95	21	36.1	K0		C8	2591	C -38 2871	
60	10.9	10.0W	42 56.882	0.0007	23	-36 5 47.07	-0.045	23	0.37	56.872	15	36.1	46.44	21	36.1	G0	L	C8	2592	C -36 3120	
61	8.5	8.4W	43 0.289	-0.0053	09	-36 36 15.00	-0.026	09	0.22	0.363	15	36.1	14.64	21	36.1	A2		C8	2593	C -36 3121	
62	10.2	9.3W	43 5.648	-0.0022	21	-33 4 30.65	-0.007	21	0.41	5.685	22	33.1	30.54	21	33.1	K0	L	C7	2954	C -33 3194	
63		6.5T	43 7.482	-0.0024	13	-30 31 58.92	0.015	12	0.68	7.605	21	99.2	59.71	19	97.1	B5		GC	8835K	C -30 3495	
64	7.7	8.1W	43 10.253	0.0001	07	-35 4 6.49	0.018	07	0.21	10.251	15	36.1	6.74	21	36.1	A0		C8	2594	C -34 3063	
65		7.2T	43 13.907	-0.0006	14	-31 36 4.39	-0.004	12	0.69	13.937	15	00.9	4.17	18	99.1	A0		GC	8841	C -31 3634	
66	10.3	10.0W	43 15.025	0.0009	09	-36 43 6.43	0.001	09	0.22	15.013	15	36.1	6.44	21	36.1	F5		C8	2595	C -36 3124	
67	11.3		43 20.191	-0.0008	23	-36 3 58.31	-0.012	23	0.37	20.202	15	36.1	58.14	21	36.1	K0	L	C8	2596	C -35 3111	
68	10.6	9.5W	43 25.867	-0.0019	09	-36 48 36.09	0.011	09	0.22	25.893	15	36.1	36.24	21	36.1	K1	L	C8	2597	C -36 3128	
69	9.5	9.5W	43 26.565	-0.0019	09	-35 9 1.93	-0.006	09	0.22	26.591	15	36.1	1.84	21	36.1	A0		C8	2598	C -35 3113	
70	10.6		43 28.591	0.0000	13	-35 6 39.15	-0.015	13	0.26	28.591	15	36.1	38.94	21	36.1	A5	L	C8	2599	C -35 3114	
71		5.9T	43 30.559	-0.0175	06	-31 44 8.20	-0.323	05	0.28	31.335	10	05.7	-52.74	10	02.2	F8		GC	8846	C#-31 3640	
72	10.0	9.6W	43 30.665	-0.0029	21	-31 12 39.58	0.049	21	0.41	30.713	22	33.1	40.41	21	33.1	G0	L	C7	2957	C -31 3637	
73	9.2	9.2W	43 33.307	-0.0033	13	-37 33 47.20	-0.004	13	0.26	33.353	15	36.1	47.14	21	36.1	A5		C8	2600	C -37 3044	
74	10.1	9.0W	43 34.183	-0.0014	21	-34 34 28.17	-0.013	21	0.41	34.207	22	33.1	27.95	21	33.1	K0	L	C7	2959	C -34 3086	
75	10.3	9.3W	43 36.083	-0.0007	21	-32 31 54.75	-0.007	21	0.41	36.075	22	33.1	54.64	21	33.1	G5	L	C7	2960	C -32 3340	
76		8.4P	43 36.337	-0.0034	16	-30 53 48.72	-0.041	15	0.79	36.507	19	00.3	46.70	18	00.7			GC	8849K	C -30 3505	
77		6.0P	43 36.788	0.0004	09	-30 53 42.84	0.001	06	0.44	36.768	15	97.4	42.90	15	90.8	B3		GC	8850K	C#-30 3505	
78	10.6	10.0W	43 36.086	0.0003	21	-30 28 29.26	-0.011	21	0.41	38.081	22	33.1	29.08	21	33.1			C7	2962	C -30 3504	
79	9.5	9.5W	43 39.785	0.0008	13	-38 43 13.72	0.023	13	0.26	39.774	15	36.1	14.04	21	36.1	F2		C8	2601	C -38 2882	
80	9.1	8.9W	43 40.297	-0.0016	21	-31 26 47.89	-0.011	21	0.41	40.323	22	33.1	47.71	21	33.1	A5		C7	2963	C -31 3641	
81		8.0T	43 44.076	-0.0015	16	-36 47 43.67	0.001	11	0.70	44.148	21	02.3	43.72	19	96.8	A0		GC	8853	C -36 3130	
82	9.5	8.5W	43 48.153	-0.0012	21	-32 13 1.31	0.001	21	0.41	48.174	22	33.1	1.32	21	33.1	G5	L	C7	2964	C -32 3343	
83	9.2	9.2W	43 48.601	-0.0066	18	-37 14 53.63	0.001	18	0.31	48.693	15	36.1	53.64	21	36.1	A5		C8	2603	C -37 3050	
84	9.6	9.3W	43 54.364	0.0001	10	-37 43 44.84	-0.014	10	0.23	54.363	15	36.1	44.64	21	36.1	F8		C8	2604	C -37 3053	
85		9.2R	44 0.829	-0.0000	17	-30 25 34.89	-0.023	17	0.32	0.829	16	33.1	34.51	16	33.1	A2	J	138	3261	J -30 3513	
86	9.5	9.2W	44 3.649	-0.0021	21	-32 44 5.62	-0.046	21	0.41	3.685	22	33.1	4.84	21	33.1	F8	L	C7	2965	C -32 3349	
87	10.7	10.0W	44 10.003	-0.0028	13	-35 36 3.95	-0.022	13	0.26	10.042	15	36.1	3.64	21	36.1	G8	L	C8	2605	C -35 3120	
88	8.4	8.3W	44 11.279	0.0033	09	-37 22 41.47	-0.031	09	0.22	11.233	15	36.1	41.04	21	36.1	F0		C8	2606	C -37 3058	
89	10.2		44 12.328	-0.0018	18	-38 3 51.64	0.036	18	0.31	12.353	15	36.1	52.14	21	36.1	A2		C8	2607	C -37 3060	
90	10.4	9.6W	44 19.016	0.0002	13	-36 53 49.44	0.000	13	0.26	19.013	15	36.1	49.44	21	36.1	K0	L	C8	2609	C -36 3135	
91	10.8	9.8W	44 20.628	-0.0008	21	-30 17 57.22	0.033	21	0.41	20.642	22	33.1	57.78	21	33.1			C7	2966	C -30 3518	
92		6.5T	44 23.620	-0.0004	12	-39 29 8.37	0.013	09	0.58	23.641	17	99.7	9.09	18	94.1	B8		GC	8875	C -39 2833	
93		6.9T	44 24.452	-0.0007	12	-34 11 18.14	0.017	12	0.64	24.485	18	00.3	18.99	18	98.6	A0		GC	8876	C -34 3093	
94	8.4	8.1W	44 26.256	0.0037	21	-30 41 20.05	-0.032	21	0.41	26.193	22	33.1	19.51	21	33.1	F8		C7	2968	C -30 3520	
95		6.1T	44 29.133	-0.0013	07	-37 43 14.88	0.001	05	0.30	29.188	12	08.1	14.93	12	02.4	B5		GC	8878	C -37 3065	
96		9.0R	44 38.234	-0.0043	20	-30 22 5.48	-0.042	20	0.37	38.307	16	33.1	4.78	16	33.1	G5	M	138	3269	J -30 3525	
97	9.7	9.5W	44 46.245	-0.0005	21	-31 6 24.26	0.056	21	0.41	46.253	22	33.1	25.21	21	33.1	A2	L	C7	2969	C -31 3659	
98	8.3	8.6W	44 53.282	-0.0026	21	-33 36 49.41	-0.010	21	0.41	53.326	22	33.1	49.25	21	33.1	A0		C7	2970	C -33 3222	
99		8.0T	44 56.439	0.0005	15	-36 32 26.54	0.021	10	0.64	56.416	19	02.5	27.56	17	01.5	K0		GC	8885	C -36 3143	
00	9.0	8.9W	45 6.279	-0.0002	13	-35 47 32.33	-0.035	13	0.26	6.282	15	36.1	31.84	21	36.1	F5		C8	2614	C -35 3125	

197200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 6H DM NUMBER
1	9.9	9.1W	6 45 6.600	-0.0020	21	-30 36 8.91	0.006	21	0.41	6.633	22	33.1	9.01	21	33.1	K0	C7	2971	C -30 3530
2	8.6	8.6W	45 7.869	-0.0004	21	-33 57 59.04	-0.006	21	0.41	7.876	22	33.1	58.95	21	33.1	A2	C7	2972	C -33 3226
3	10.6	9.4W	45 8.480	-0.0052	13	-35 36 2.41	-0.005	13	0.26	8.552	15	36.1	2.34	21	36.1	K1 L	C8	2615	C -35 3126
4	9.3	9.3W	45 11.593	-0.0007	21	-32 57 40.88	-0.008	21	0.41	11.605	22	33.1	40.74	21	33.1	A8 L	C7	2973	C -32 3366
5	9.0	9.2W	45 11.723	-0.0008	09	-38 42 22.63	-0.006	09	0.22	11.734	15	36.1	22.54	21	36.1	A2	C8	2616	C -38 2899
6	9.8	9.7W	45 12.817	-0.0025	13	-35 56 58.38	0.012	13	0.26	12.852	15	36.1	58.55	21	36.1	F5	C8	2617	C -35 3127
7	9.4	8.4W	45 13.682	-0.0015	13	-38 2 16.83	0.008	13	0.26	13.703	15	36.1	16.94	21	36.1	K0	C8	2618	C -37 3075
8	8.1	7.9W	45 15.101	-0.0049	21	-30 54 7.11	0.041	21	0.41	15.183	22	33.1	7.81	21	33.1	F5	C7	2974	C -30 3534
9	9.9	9.4W	45 20.794	-0.0071	21	-31 13 41.49	0.078	21	0.41	20.913	22	33.1	42.81	21	33.1	G0 L	C7	2975	C -31 3668
10		9.0R	45 28.720	-0.0007	17	-30 3 4.02	0.015	17	0.32	28.732	16	33.1	4.28	16	33.1	A J	13B	3286	J -29 3477
11	10.2	9.6W	45 29.730	-0.0022	21	-34 41 32.54	0.018	21	0.41	29.767	22	33.1	32.85	21	33.1	K0 L	C7	2976	C -34 3103
12	9.4	8.4W	45 30.265	0.0001	21	-31 58 8.80	-0.016	21	0.41	30.264	22	33.1	8.52	21	33.1	K0	C7	2977	C -31 3670
13	9.0	8.7W	45 34.129	-0.0038	13	-35 53 7.05	0.014	13	0.26	34.182	15	36.1	7.24	21	36.1	F5	C8	2620	C -35 3131
14	9.0	8.2W	45 38.540	-0.0015	21	-33 27 24.42	-0.017	21	0.41	38.565	22	33.1	24.14	21	33.1	K0	C7	2978	C -33 3235
15		5.2H	45 38.630	-0.0015	03	-37 52 24.62	-0.018	03	0.11	38.686	05	12.5	23.97	05	13.9	B9	F4	1178	C -37 3080
16	7.5	7.6W	45 40.337	0.0009	09	-38 51 55.27	-0.002	09	0.22	40.324	15	36.1	55.24	21	36.1	A0	C8	2622	C -38 2905
17	9.3	8.7W	45 52.098	-0.0033	18	-39 6 16.37	0.005	18	0.31	52.144	15	36.1	16.44	21	36.1	K0	C8	2623	C -39 2846
18	10.6	9.6W	45 57.324	-0.0006	13	-35 51 1.70	-0.033	13	0.26	57.332	15	36.1	1.24	21	36.1	K0 L	C8	2624	C -35 3135
19	10.4	10.2W	45 59.737	-0.0034	21	-32 52 44.07	-0.049	21	0.41	59.795	22	33.1	43.24	21	33.1	F5 L	C7	2979	C -32 3373
20	10.4	9.2W	46 0.129	-0.0010	21	-33 48 32.59	0.003	21	0.41	0.146	22	33.1	32.65	21	33.1	K2 L	C7	2980	C -33 3240
21	8.8	8.2W	46 5.663	0.0007	21	-30 22 41.84	-0.008	21	0.41	5.651	22	33.1	41.98	21	33.1	G5	C7	2981	C -30 3548
22	9.0	9.0W	46 6.922	-0.0031	13	-39 43 32.82	-0.013	13	0.26	6.965	15	36.1	32.64	21	36.1	A5	C8	2625	C -39 2850
23	9.5	9.8W	46 10.669	-0.0014	21	-31 34 15.57	0.015	21	0.41	10.694	22	33.1	15.82	21	33.1	A2	C7	2982	C -31 3680
24	10.3		46 11.049	0.0020	18	-35 10 30.36	0.020	18	0.31	11.021	15	36.1	30.64	21	36.1	A5 L	C8	2626	C -35 3138
25	9.6	9.7W	46 12.185	-0.0041	13	-36 9 35.26	0.013	13	0.26	12.242	15	36.1	35.44	21	36.1	A0	C8	2627	C -36 3158
26		8.1T	46 21.020	-0.0017	16	-39 37 57.41	-0.001	12	0.69	21.099	24	04.4	57.35	22	01.0	F0	GC	8914	C -39 2853
27	9.7	9.4W	46 23.291	-0.0030	13	-36 56 33.37	0.005	13	0.26	23.333	15	36.1	33.44	21	36.1	A5	C8	2629	C -36 3160
28	9.6	8.4W	46 27.121	0.0020	09	-37 54 50.59	0.018	09	0.22	27.093	15	36.1	50.84	21	36.1	K2	C8	2630	C -37 3088
29	8.3	8.5W	46 31.067	0.0002	09	-38 49 23.42	-0.020	09	0.22	31.064	15	36.1	23.14	21	36.1	A2	C8	2631	C -38 2912
30	10.2	9.4W	46 32.801	-0.0001	13	-35 40 16.98	-0.010	13	0.26	32.802	15	36.1	16.85	21	36.1	K0 L	C8	2632	C -35 3145
31	9.8		46 33.616	0.0002	09	-37 49 16.12	0.016	09	0.22	33.613	15	36.1	16.34	21	36.1	A	C8	2633	C -37 3091
32	8.5	7.7W	46 34.922	-0.0023	18	-38 35 57.68	0.026	18	0.31	34.954	15	36.1	58.04	21	36.1	K0	C8	2635	C -38 2914
33	9.7	9.3W	46 39.511	-0.0030	09	-37 56 26.18	-0.017	09	0.22	39.553	15	36.1	25.94	21	36.1	G0	C8	2637	C -37 3093
34	7.8	7.7W	46 41.845	0.0023	18	-37 32 24.30	-0.033	18	0.31	41.813	15	36.1	23.84	21	36.1	A3	C8	2638	C -37 3094
35	8.4	8.2W	46 44.281	-0.0031	21	-31 17 59.97	0.008	21	0.41	44.333	22	33.1	+ 0.11	21	33.1	F0	C7	2983	C -31 3691
36	8.9	8.4W	46 46.504	-0.0011	21	-32 24 31.46	-0.132	21	0.41	46.524	22	33.1	29.22	21	33.1	K0	C7	2984	C -32 3384
37	10.0	9.9W	46 54.016	0.0003	13	-35 38 15.21	0.017	13	0.26	54.012	15	36.1	15.44	21	36.1	F2 L	C8	2640	C -35 3147
38	8.5	7.8W	46 57.304	-0.0020	07	-35 42 39.43	0.001	07	0.21	57.332	15	36.1	39.44	21	36.1	K0	C8	2641	C -35 3148
39		6.9T	47 1.090	-0.0023	12	-34 52 44.31	0.019	10	0.55	1.198	17	03.2	45.27	15	00.5	B9	GC	8928	C*-34 3120
40	10.1	9.6W	47 2.711	-0.0026	21	-32 39 34.08	-0.002	21	0.41	2.755	22	33.1	34.04	21	33.1	G0 L	C7	2986	C -32 3386
41	9.6	8.9W	47 5.231	-0.0023	23	-36 31 39.08	-0.003	23	0.37	5.263	15	36.1	39.04	21	36.1	G5	C8	2642	C -36 3163
42		9.1R	47 5.758	-0.0047	20	-30 20 5.75	0.019	20	0.37	5.838	16	33.1	6.08	16	33.1	A3 J	13B	3310	J -30 3564
43	10.0	9.3W	47 8.289	-0.0032	13	-38 57 53.05	0.057	13	0.26	8.334	15	36.1	53.84	21	36.1	K0	C8	2643	C -38 2923
44	9.9	9.7W	47 15.116	-0.0054	13	-35 16 31.23	-0.028	13	0.26	15.191	15	36.1	30.84	21	36.1	F5 L	C8	2644	C -35 3151
45	10.0	9.8W	47 18.591	-0.0000	21	-30 24 43.05	-0.004	21	0.41	18.591	22	33.1	42.98	21	33.1	G0	C7	2987	C -30 3568
46	9.8	9.7W	47 22.403	0.0001	13	-35 9 29.52	-0.027	13	0.26	22.401	15	36.1	29.14	21	36.1	F5 L	C8	2645	C -35 3153
47	8.9	9.0W	47 22.740	-0.0020	21	-30 47 7.38	-0.004	21	0.41	22.773	22	33.1	7.31	21	33.1	A0	C7	2988	C -30 3570
48	9.3	9.5W	47 26.543	-0.0006	21	-31 29 37.45	0.027	21	0.41	26.553	22	33.1	37.91	21	33.1	A0	C7	2989	C -31 3701
49	10.2		47 30.256	-0.0063	18	-37 4 21.51	-0.012	18	0.31	30.343	15	36.1	21.34	21	36.1	A2	C8	2647	C -36 3165
50	10.3	9.4W	47 31.936	-0.0017	21	-32 35 31.55	-0.036	21	0.41	31.965	22	33.1	30.94	21	33.1	K0 L	C7	2990	C -32 3398
51	10.2	9.5W	6 47 35.978	-0.0004	21	-33 21 18.74	0.076	21	0.41	35.985	22	33.1	20.04	21	33.1	K0 L	C7	2991	C -33 3268
52	10.7	9.8W	47 39.140	-0.0009	18	-36 1 36.50	-0.019	18	0.31	39.152	15	36.1	36.24	21	36.1	K0 L	C8	2648	C -35 3157
53		6.8T	47 39.692	-0.0010	09	-32 29 1.06	-0.013	08	0.49	39.748	15	93.8	0.28	15	91.8	A2	GC	8940	C -32 3403
54	9.3	9.4W	47 43.821	-0.0002	13	-38 36 11.96	0.013	13	0.26	43.824	15	36.1	12.15	21	36.1	A0	C8	2649	C -38 2931
55	8.1	8.1W	47 44.309	-0.0017	07	-36 56 41.98	0.033	07	0.21	44.333	15	36.1	42.44	21	36.1	A0	C8	2650	C -36 3166
56	9.2	8.3W	47 46.389	0.0003	21	-31 12 2.24	0.010	21	0.41	46.383	22	33.1	2.41	21	33.1	G5	C7	2993	C -31 3707
57	10.8	9.1W	47 54.780	0.0027	13	-36 28 42.66	-0.030	13	0.26	54.742	15	36.1	42.24	21	36.1	K5 L	C8	2651	C -36 3168
58		3.8H	47 58.322	-0.0009	02	-32 26 58.66	0.002	02	0.08	58.357	04	10.2	58.72	04	12.4	B2P	F4	1180	C -32 3404
59	10.1	9.7W	48 4.769	-0.0025	18	-39 5 39.03	0.044	18	0.31	4.804	15	36.1	39.64	21	36.1	G2 L	C8	2652	C -39 2876
60	9.7	9.8W	48 15.653	-0.0024	21	-31 1 57.99	-0.011	21	0.41	15.693	22	33.2	57.81	21	33.2	A2	C7	2995	C -30 3582
61	9.1	9.0W	48 17.916	0.0001	10	-39 1 12.44	0.007	10	0.23	17.914	15	36.1	12.54	21	36.1	F0	C8	2653	C -38 2943
62		7.3T	48 20.841	-0.0021	11	-33 49 34.23	0.036	11	0.62	20.947	18	98.5	36.20	18	96.1	A0	GC	8958	C -33 3278
63		5.6T	48 29.870	-0.0006	06	-31 38 48.16	0.010	05	0.28	29.896	12	06.2	48.64	12	00.7	B8	GC	8961	C*-31 3717
64	8.0	7.2W	48 30.347	0.0002	09	-38 59 42.71	-0.027	09	0.22	30.344	15	36.1	42.34	21	36.1	K0	C8	2654	C -38 2948
65		8.2T	48 32.905	-0.0009	11	-31 38 31.30	-0.000	08	0.52	32.951	17	99.6	31.28	17	98.0	A3	GC	8964	C -31 3719
66	9.1	8.2W	48 33.341	0.0006	13	-36 41 10.93	-0.028	13	0.26	33.333	15	36.1	10.55	21	36.1	K0	C8	2655	C -36 3177
67	8.5	8.4W	48 33.454	-0.0012	21	-31 25 0.96	-0.003	21	0.41	33.473	22	33.2	0.91	21	33.2	A3	C7	2999	C -31 3718
68	8.8	8.9W	48 40.116	-0.0006	10	-39 3 59.84	0.000	10	0.23	40.124	15	36.1	59.84	21	36.1	A2	C8	2656	C -39 2949
69	10.4	9.1W	48 44.208	-0.0011	13	-37 26 20.34	0.043	13	0.26	44.223	15	36.1	20.94	21	36.1	K0	C8	2657	C -37 3114
70		7.2T	48 44.562	-0.0021	14	-31 13 0.22	0.031	12	0.65	44.663	15	02.5	1.79	17	99.5	G5	GC	8971	C -31 3721
71	10.8	10.4W	48 50.587	0.0002	21	-30 51 4.17	0.002	21	0.41	50.583	22	33.2	4.21	21	33.2	G0 L	C7	3001	C -30 3592
72		8.9W	48 51.432	-0.0001	21	-30 31 3.15	0.015	21	0.41	51.433	22	33.2	3.41	21	33.2	K5	C7	3002	C -30 3593
73	9.7	9.8W	48 55.123	-0.0007	18	-37 54 1.88	-0.003	18	0.31	55.133	15	36.1	1.84	21	36.1	F0	C8	2660	C -37 3118
74	9.2	9.0W	49 0.558	-0.0028	21	-32 54 41.66	-0.007	21	0.41	0.605	22	33.2	41.54	21	33.2	F5 L	C7	3003	C -32 3420
75	9.0	8.1W	49 0.967	0.0003	13	-36 55 22.66	0.020	13	0.26	0.963	15	36.1	22.94	21	36.1	K0	C8	2661	C -36 3181
76	9.9	9.2W	49 2.023	-0.0000	21	-32 3 47.66	-0.020	21	0.41	2.024	22	33.2	47.32	21	33.2	G2 L	C7	3004	C -31 3724
77		5.1T	49 3.173	0.0001	05	-34 18 25.44	0.004	04	0.22	3.167	09	04.6	25.62	09	99.4	K0	GC	8979	C*-34 3140
78	9.2	9.3W	49 4.760	-0.0010	13	-39 25 59.64	-0.029	13	0.26	4.774	15	36.1	59.24	21	36.1	A0	C8	2662	C -39 2883
79	10.4	9.1W	49 8.883	0.0001	13	-35 4 53.78	-0.024	13	0.26	8.881	15	36.1	53.44	21	36.1	K5	C8	2663	C -34 3142
80	9.0	8.9W	49 10.455	-0.0006	18	-38 19 43.04	-0.065	18	0.31	10.463	15	36.1	42.14	21	36.1	F2	C8	2664	C -38 2955
81	10.4	9.5W	49 11.000	0.0010	21	-30 40 17.25	0.033	21	0.41	10.983	22	33.2	17.81	21	33.2		C7	3006	C -30 3600
82		7.9T	49 16.190	-0.0043	14	-34 12 57.35	0.027	10	0.63	16.394	18	02.1	58.70	19	01.1	K2	GC	8985	C -34 3144
83	9.0	8.7W	49 24.819	-0.0030	13	-35 24 25.09	0.018	13	0.26	24.861	15	36.1	25.34	21	36.1	F0	C8	2666	C -35 3171
84	7.3	7.6W	49 29.190	-0.0008	21	-32 7 23.07	0.003	21	0.41	29.204	22	33.2	23.12	21	33.2	A0	C7	3008	C -32 3429
85	10.7	9.2W	49 31.513	-0.0024	21	-30 40 36.34	-0.014	21	0.41	31.553	22	33.2	36.11	21	33.2	K5	C7	3009	C -30 3606
86	11.0	9.6W	49 31.710	-0.0015	21	-32 36 51.96	-0.007	21	0.41	31.735	22	33.2	51.84	21	33.2		C7	3010	C -32 3431
87	9.9	9.5W	49 36.158	0.0004	13	-36 24 54.95	-0.008	13	0.26	36.152	15	36.1	54.84	21	36.1	F8	C8	2667	C -36 3187
88	9.5	9.4W	49 45.039	-0.0028	21	-33 49 40.14	-0.018	21	0.41	45.086	22	33.2	39.85	21	33.2	A2	C7	3011	C -33 3293
89	10.1	9.2W	49 51.172	0.0017	21	-31 46 10.88	-0.027	21	0.41	51.144	22	33.2	10.42	21	33.2	K0 L	C7	3012	C -31 3731
90		8.0T	49 55.525	-0.0003	11	-38 9 13.91	0.009	09	0.60	55.542	21	96.6	14.43	18	92.1	B8	GC	9002	C -38 2970
91		6.0T	49 56.502	-0.0045	06	-36 10 5.62	-0.066	05	0.27	56.705	10	04.7	2.37	10	00.9	A2	GC	9003	C -36 3189
92	8.9	9.0W	50 4.283	-0.0021	13	-36 9 14.55	-0.015	13	0.26	4.312	15	36.1	14.34	21	36.1	A2	C8	2672	C -35 3176
93	9.9	9.5W	50 8.180	-0.0017	18	-39 9 27.10	-0.011	18	0.31	8.204	15	36.1	26.95	21	36.1	G0	C8	2673	C -39 2894
94		7.2T	50 12.386	-0.0048	12	-33 51 16.80	0.087	11	0.59	12.631	18	98.7	21.06	15	00.8	G0	GC	9010	C*-33 3304
95	8.0	8.0W	50 14.142	0.0012	21	-30 21 56.69	0.077	21	0.41	14.121	22	33.2	57.98	21	33.2	F0	C7	3014	C -30 3615
96	10.1		50 17.274	-0.0028	13	-38 2 23.47	-0.002	13	0.26	17.313	15	36.1	23.44	21	36.1	F0	C8	2674	C -37 3133
97	8.2	8.6W	50 21.525	-0.0014	09	-38 34 19.98	-0.003	09	0.22	21.544	15	36.1	19.94	21	36.1	B8	C8	2675	C -38 2973
98	7.7	7.8W	50 26.755	-0.0005	21	-31 57 10.32	0.006	21	0.41	26.764	22	33.2	10.42	21	33.2	A5	C7	3015	C -31 3745
99	10.8	9.4W	50 30.349	-0.0033	21	-33 7 31.16	0.010	21	0.41	30.405	22	33.2	31.34	21	33.2	K2 L	C7	3016	C -33 3306
00	8.2	8.4W	50 32.397	-0.0025	13	-35 13 44.88	0.019	13	0.26	32.431	15	36.1	45.14	21	36.1	A3 L	C8	2676	C*-35 3184

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 6H DM NUMBER
1	10.0	9.0W	6 50 36.676	-0.0012	21	-34 24 40.82	-0.011	21	0.41	36.696	22	33.2	40.65	21	33.2	K2		C7	3017	C -34 3160
2	9.8	9.6W	50 38.692	-0.0037	21	-31 9 22.43	0.040	21	0.41	38.753	22	33.2	23.11	21	33.2	A3		C7	3018	C -31 3747
3	9.1	8.6W	50 41.837	-0.0004	18	-37 47 20.13	0.015	18	0.31	41.843	15	36.1	20.34	21	36.1	G5		C8	2678	C -37 3137
4	8.1	8.2W	50 42.730	-0.0010	18	-38 33 20.52	0.016	18	0.31	42.744	15	36.1	20.74	21	36.1	A2		C8	2679	C -38 2983
5	8.5	8.5W	50 45.727	0.0008	21	-32 25 16.86	0.004	21	0.41	45.714	22	33.2	16.92	21	33.2	A3		C7	3019	C -32 3447
6	10.2	9.2W	50 47.965	0.0030	09	-38 5 20.57	0.012	09	0.22	47.923	15	36.1	20.74	21	36.1	G5		C8	2680	C -37 3139
7	8.5	8.2W	50 51.196	-0.0023	21	-33 12 56.58	-0.032	21	0.41	51.235	22	33.2	56.04	21	33.2	F8		C7	3020	C -33 3309
8	10.5	10.0W	50 54.880	-0.0016	21	-34 40 0.83	-0.017	21	0.41	54.907	22	33.2	0.55	21	33.2	G2	L	C7	3021	C -34 3163
9	11.1	9.3W	51 4.116	0.0003	13	-36 1 36.66	-0.023	13	0.26	4.112	15	36.1	36.35	21	36.1	K5	L	C8	2681	C -35 3188
10	9.7	9.2W	51 8.901	-0.0002	13	-38 35 19.26	-0.037	13	0.26	8.904	15	36.1	18.74	21	36.1	G0		C8	2682	C -38 2988
11	10.2	9.9W	51 9.537	-0.0019	13	-37 52 38.49	-0.011	13	0.26	9.563	15	36.1	38.34	21	36.1	F8		C8	2683	C -37 3143
12	9.3	9.0W	51 15.398	-0.0025	13	-36 37 1.54	-0.029	13	0.26	15.433	15	36.1	1.15	21	36.1	F5		C8	2684	C -36 3204
13	9.4	8.9W	51 16.766	0.0030	13	-38 57 34.17	0.149	13	0.26	16.724	15	36.1	36.24	21	36.1	G5		C8	2685	C -38 2990
14	10.0	8.8W	51 22.659	0.0018	10	-38 54 36.51	-0.005	10	0.23	22.634	15	36.1	36.44	21	36.1	K0		C8	2686	C -38 2992
15	9.2	8.7W	51 24.541	-0.0009	09	-36 58 0.05	0.086	09	0.22	24.553	15	36.1	1.24	21	36.1	G5		C8	2687	C*-36 3206
16	10.2		51 24.870	-0.0016	18	-36 16 49.34	-0.029	18	0.31	24.892	15	36.1	48.94	21	36.1	A0	L	C8	2688	C -36 3205
17	10.8	9.3W	51 25.538	0.0033	21	-31 45 17.66	0.004	21	0.41	25.484	22	33.2	17.72	21	33.2	K5	L	C7	3022	C -31 3764
18	8.5	8.5W	51 26.113	-0.0007	13	-36 40 1.36	0.013	13	0.26	26.123	15	36.1	1.54	21	36.1	F0		C8	2689	C -36 3207
19	9.4	8.2W	51 26.839	-0.0019	13	-39 37 39.25	-0.008	13	0.26	26.865	15	36.1	39.14	21	36.1	K2		C8	2690	C -39 2912
20	9.4	9.5W	51 31.622	-0.0007	21	-31 8 32.80	0.012	21	0.41	31.633	22	33.2	33.01	21	33.2	A0		C7	3023	C*-31 3767
21	9.4	9.1W	51 37.815	0.0007	21	-31 42 37.28	-0.027	21	0.41	37.804	22	33.2	36.82	21	33.2	F8		C7	3024	C -31 3769
22	10.4	8.9W	51 44.118	-0.0009	21	-32 23 25.60	0.007	21	0.41	44.134	22	33.2	25.72	21	33.2	K0	L	C7	3025	C -32 3460
23	10.1	9.8W	51 45.662	-0.0020	21	-33 43 38.99	-0.021	21	0.41	45.696	22	33.2	38.65	21	33.2	F5	L	C7	3026	C -33 3323
24		9.2R	51 47.159	-0.0025	17	-35 19 52.22	-0.023	17	0.31	47.200	16	33.5	51.84	16	33.5	A0	J	13B	3389	J -30 3646
25	9.3	9.0W	51 47.722	-0.0052	18	-38 52 17.69	-0.018	18	0.31	47.794	15	36.1	17.44	21	36.1	F8		C8	2691	C -38 2998
26	10.1	9.2W	51 50.364	0.0004	21	-34 40 28.63	-0.082	21	0.41	50.357	22	33.2	27.25	21	33.2	G		C7	3027	C -34 3177
27	9.9	9.6W	51 52.495	-0.0029	21	-30 38 54.50	-0.035	21	0.41	52.543	22	33.2	53.91	21	33.2	F8		C7	3028	C -30 3648
28	9.1	8.7W	51 59.823	-0.0014	13	-35 46 27.19	-0.032	13	0.26	59.842	15	36.1	26.75	21	36.1	G0		C8	2692	C -35 3199
29	8.2	8.4W	52 0.596	0.0002	21	-31 33 9.61	0.019	21	0.41	0.594	22	33.2	9.92	21	33.2	A0		C7	3029	C -31 3775
30	11.5	9.9W	52 0.818	-0.0020	21	-30 9 26.90	-0.001	21	0.41	0.852	22	33.2	26.88	21	33.2			C7	3030	C -30 3650
31	8.5	7.6W	52 11.316	0.0003	13	-36 29 34.40	0.017	13	0.26	11.312	15	36.1	34.64	21	36.1	G5		C8	2694	C -36 3219
32	10.2	9.9W	52 14.023	0.0037	18	-35 4 11.08	-0.039	18	0.31	13.971	15	36.1	10.54	21	36.1	F8	L	C8	2695	C -34 3181
33	7.7	7.9W	52 15.835	-0.0041	21	-30 32 56.94	-0.002	21	0.41	15.903	22	33.2	56.91	21	33.2	A0		C7	3031	C -30 3654
34		7.1T	52 25.324	-0.0005	12	-34 9 30.80	0.020	11	0.62	25.347	15	99.5	31.91	17	95.8	A0		GC	9068K	C*-34 3182
35		6.8T	52 26.652	-0.0017	10	-31 44 13.32	0.018	12	0.59	26.741	17	97.8	14.21	17	99.4	A0		GC	9069	C*-31 3781
36	10.3	8.8W	52 31.787	0.0014	21	-31 14 0.04	-0.008	21	0.41	31.763	22	33.2	-59.91	21	33.2	K5		C7	3034	C -31 3782
37	8.8	9.0W	52 31.887	-0.0013	10	-39 31 49.68	-0.003	10	0.23	31.905	15	36.1	49.64	21	36.1	A0		C8	2696	C -39 2925
38	8.8	9.0W	52 35.607	-0.0048	13	-39 14 40.69	-0.032	13	0.26	35.674	15	36.1	40.24	21	36.1	A2		C8	2697	C -39 2925
39		9.1R	52 36.045	0.0018	20	-30 24 12.50	-0.006	20	0.36	36.015	16	33.5	12.40	16	33.5	G5	M	13B	3454	J -30 3663
40	10.2	9.3W	52 37.127	-0.0004	13	-36 34 51.53	-0.006	13	0.26	37.133	15	36.1	51.44	21	36.1	G5		C8	2699	C -36 3221
41	8.8	7.8W	52 51.030	0.0039	21	-32 43 32.59	0.032	21	0.41	50.965	22	33.2	33.14	21	33.2	K5		C7	3035	C -32 3476
42	8.4	8.3W	52 53.240	-0.0062	21	-31 4 39.63	0.189	21	0.41	53.343	22	33.2	42.81	21	33.2	F5		C7	3036	C -30 3670
43	9.2	9.0W	52 54.305	-0.0006	18	-37 15 13.33	-0.035	18	0.31	54.313	15	36.1	12.84	21	36.1	F2		C8	2700	C -37 3160
44	8.9	9.0W	52 54.797	-0.0006	13	-39 41 30.13	-0.028	13	0.26	54.805	15	36.1	29.74	21	36.1	A3		C8	2701	C -39 2927
45	10.7	9.5W	52 55.233	0.0014	13	-39 12 0.06	-0.023	13	0.26	55.214	15	36.1	-59.75	21	36.1	K5		C8	2702	C -39 2926
46	10.2	8.5W	52 56.735	-0.0011	21	-31 38 17.18	-0.015	21	0.41	56.754	22	33.2	16.92	21	33.2	MA		C7	3037	C -31 3791
47	9.5	9.0W	52 58.075	-0.0179	21	-33 40 48.54	-0.161	21	0.41	58.376	22	33.2	45.85	21	33.2	F5	L	C7	3038	C -33 3337
48	10.7	9.5W	52 59.097	-0.0016	21	-30 53 2.36	0.009	21	0.41	59.123	22	33.2	2.51	21	33.2			C7	3039	C -30 3672
49	9.9	9.3W	52 59.310	-0.0009	21	-32 57 16.01	0.049	21	0.41	59.329	22	33.2	16.84	21	33.2	G5	L	C7	3040	C -32 3479
50	9.6	9.4W	52 59.430	0.0004	21	-31 26 4.77	0.008	21	0.41	59.423	22	33.2	4.91	21	33.2	F5		C7	3041	C -31 3792
51	10.0	8.6W	6 52 59.508	0.0011	09	-37 18 25.78	-0.024	09	0.22	59.493	15	36.1	25.44	21	36.1	K5		C8	2703	C -37 3161
52	8.8		53 5.325	-0.0048	21	-33 36 26.31	0.020	21	0.41	5.406	22	33.2	26.65	21	33.2			C7	3042	C*-33 3338
53	9.0	8.8W	53 8.145	0.0041	21	-34 8 39.68	-0.020	21	0.41	8.076	22	33.2	39.35	21	33.2	F5		C7	3043	C -34 3192
54	10.5	9.2W	53 11.149	0.0033	13	-36 47 29.59	-0.018	13	0.26	11.103	15	36.1	29.34	21	36.1	K		C8	2704	C -36 3232
55	9.5	7.8W	53 11.825	0.0009	13	-36 15 14.59	0.040	13	0.26	11.812	15	36.1	15.15	21	36.1	MA		C8	2705	C -36 3233
56	8.4	8.3W	53 11.997	-0.0004	08	-37 52 24.34	-0.007	08	0.22	12.003	15	36.1	24.25	21	36.1	F0		C8	2706	C -37 3162
57	9.2	9.2W	53 14.950	-0.0026	21	-31 19 0.31	0.000	21	0.41	14.993	22	33.2	0.31	21	33.2	F2		C7	3044	C -31 3796
58	10.9	9.5W	53 15.181	-0.0019	21	-32 19 7.13	-0.024	21	0.41	15.214	22	33.2	6.72	21	33.2			C7	3045	C -32 3482
59	10.4	9.2W	53 16.888	-0.0019	13	-38 56 44.06	0.006	13	0.26	16.914	15	36.1	44.14	21	36.1	K0		C8	2707	C -38 3013
60	7.8	8.3W	53 20.269	-0.0010	08	-37 26 6.66	0.020	08	0.22	20.283	15	36.1	6.94	21	36.1	B8		C8	2708	C -37 3163
61	10.4	9.4W	53 23.025	-0.0035	21	-30 37 11.23	-0.013	21	0.41	23.083	22	33.2	11.01	21	33.2	K0		C7	3046	C -30 3677
62	10.0	9.8W	53 23.346	0.0024	21	-34 22 38.49	-0.015	21	0.41	23.306	22	33.2	38.25	21	33.2	F2	L	C7	3047	C -34 3195
63		7.4T	53 25.224	-0.0019	11	-38 29 27.04	-0.001	09	0.57	25.321	19	99.2	26.98	18	94.1	K0		GC	9094K	C*-38 3014
64		9.0R	53 31.326	-0.0002	20	-30 23 43.50	0.042	20	0.36	31.330	16	33.5	44.19	16	33.5	K	M	13B	3418	J -30 3680
65	10.8	9.4W	53 44.429	0.0009	21	-31 18 26.23	-0.025	21	0.41	44.413	22	33.2	25.81	21	33.2			C7	3048	C -31 3804
66		7.1T	53 46.098	-0.0006	13	-33 44 28.25	0.014	10	0.62	46.126	18	00.8	28.94	18	98.6	K2		GC	9102	C -33 3349
67	10.0	9.6W	53 50.469	-0.0053	13	-36 55 14.34	0.007	13	0.26	50.543	15	36.1	14.44	21	36.1	G0		C8	2713	C -36 3236
68		7.6T	53 55.429	-0.0074	13	-38 36 5.74	0.048	12	0.66	55.791	18	01.2	8.22	21	98.2	F5		GC	9109	C -38 3021
69		9.0R	53 56.272	-0.0029	20	-30 3 2.56	0.019	20	0.36	56.321	16	33.5	2.88	16	33.5	K0	J	13B	3424	J -29 3658
70	10.9		53 56.796	-0.0012	18	-37 57 12.84	-0.029	18	0.31	56.813	15	36.1	12.44	21	36.1	K0	L	C8	2715	C -37 1084
71		6.4T	54 1.252	-0.0009	09	-31 43 26.80	0.011	11	0.53	1.297	14	00.6	27.31	14	01.9	B8		GC	9115	C -31 3808
72	8.8	8.8W	54 1.726	0.0001	13	-39 24 57.45	0.014	13	0.26	1.724	15	36.1	57.65	21	36.1	A3		C8	2716	C -39 2946
73	9.4	9.2W	54 6.257	-0.0016	21	-30 42 48.39	-0.011	21	0.41	6.283	22	33.2	48.21	21	33.2	F0		C7	3051	C -30 3701
74		7.7T	54 6.470	-0.0010	17	-33 0 20.24	0.015	13	0.78	6.518	19	01.4	20.99	19	98.5	A3		GC	9116	C -32 3491
75	8.7	8.5W	54 6.763	-0.0007	10	-38 12 29.24	-0.036	10	0.23	6.773	15	36.1	28.74	21	36.1	F0		C8	2717	C -38 3022
76	8.1	8.3W	54 10.732	-0.0033	21	-34 53 27.73	-0.005	21	0.41	10.787	22	33.2	27.65	21	33.2	A0		C7	3053	C -34 3209
77	8.2	8.1W	54 14.305	-0.0005	21	-34 39 4.94	0.024	21	0.41	14.297	22	33.2	5.35	21	33.2	F0		C7	3054	C -34 3210
78	10.0	8.3W	54 15.036	-0.0022	21	-32 29 11.22	0.006	21	0.41	15.074	22	33.2	11.32	21	33.2	K5	L	C7	3055	C -32 3492
79	9.5	8.6W	54 15.376	-0.0026	13	-35 38 7.93	-0.021	13	0.26	15.412	15	36.1	7.64	21	36.1	K0		C8	2718	C -35 3219
80	9.8	8.6W	54 25.197	-0.0010	21	-31 10 53.68	0.043	21	0.41	25.213	22	33.2	54.41	21	33.2	K2		C7	3056	C -31 3813
81	8.5	8.9W	54 34.650	0.0005	13	-37 45 39.41	0.002	13	0.26	34.643	15	36.1	39.45	21	36.1	A0		C8	2720	C -37 3175
82		7.4T	54 35.925	-0.0020	11	-38 32 35.09	0.004	10	0.61	36.028	18	99.0	35.30	21	95.2	A0		GC	9126	C -38 3028
83		8.1T	54 36.813	-0.0008	17	-37 27 18.57	0.009	13	0.72	36.850	19	04.6	18.99	19	03.1	A0		GC	9128	C -37 3176
84	9.6	8.3W	54 42.332	-0.0007	21	-31 18 50.50	-0.029	21	0.41	42.343	22	33.2	50.01	21	33.2	K2		C7	3057	C -31 3818
85	9.2	9.4W	54 45.930	-0.0039	21	-33 54 4.81	0.002	21	0.41	45.996	22	33.2	4.85	21	33.2	B9	L	C7	3058	C -33 3367
86	9.4	9.6W	54 49.346	-0.0040	21	-32 28 8.62	0.005	21	0.41	49.414	22	33.2	8.72	21	33.2	A0	L	C7	3059	C -32 3499
87		9.0R	54 50.169	-0.0035	17	-30 25 42.52	0.019	17	0.31	50.227	16	33.5	42.84	16	33.5	G	J	13B	3439	J -30 3714
88		6.3T	54 57.870	-0.0006	10	-35 16 27.71	-0.005	08	0.54	57.899	17	97.6	27.42	17	93.4	K0		GC	9138	C -35 3225
89	9.4	9.4W	55 2.988	-0.0026	10	-38 54 54.59	0.054	10	0.23	3.024	15	36.1	55.34	21	36.1	F5		C8	2725	C -38 3034
90	8.3	8.6W	55 5.185	-0.0005	21	-30 49 35.24	0.004	21	0.41	5.193	22	33.2	35.31	21	33.2	A0		C7	3060	C -30 3721
91	9.4	9.3W	55 5.509	-0.0011	13	-39 23 33.96	0.006	13	0.26	5.524	15	36.1	34.04	21	36.1	A5		C8	2726	C -39 2959
92	9.5	9.1W	55 5.960	0.0003	21	-32 52 5.89	0.002	21	0.41	5.955	22	33.2	5.94	21	33.2	G0	L	C7	3061	C -32 3507
93	9.2	8.0W	55 8.911	-0.0009	21	-34 19 33.29	-0.003	21	0.41	8.926	22	33.2	33.25	21	33.2	K2		C7	3062	C -34 3221
94	9.9	9.0W	55 10.826	-0.0026	13	-36 1 48.37	-0.009	13	0.26	10.862	15	36.1	48.24	21	36.1	G5		C8	2727	C -35 3229
95	10.1	9.1W	55 12.756	-0.0028	21	-32 22 24.14	-0.001	21	0.41	12.804	22	33.2	24.12	21	33.2	K0	L	C7	3063	C -32 3509
96	10.0	9.1W	55 16.773	-0.0023	21	-30 25 32.85	-0.034	21	0.41	16.812	22	33.2	32.28	21	33.2	K5		C7	3064	C -30 3722
97	9.5	9.8W	55 17.505	-0.0020	18	-38 8 37.80	-0.040	18	0.31	17.532	15	36.1	37.24	21	36.1	A0		C8	2728	C -38 3039
98	10.2	9.2W	55 18.849	-0.0067	21	-30 25 33.20	-0.037	21	0.41	18.962	22	33.2	32.58	21	33.2	K5		C7	3065	C -30 3723
99		9.0R	55 25.140	0.0067	20	-30 26 33.37	-0.013	20	0.36	25.029	16	33.5	33.16	16	33.5	K2	M	13B	3449	J -30 3724
00		7.4T	55 27.034	-0.0005	13	-36 49 7.24	0.034	10	0.58	27.059	18	02.6	8.91	15	00.9	B5		GC	9144	C*-36 3252

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ".001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ".001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 6H DM NUMBER
1		9.1R	6 55 27.120	0.0022	13	-30 24 40.83	-0.018	13	0.27	27.083	16	33.5	40.54	16	33.5	F M	13B	3451	J -30 3725
2		6.2T	55 30.183	-0.0036	11	-35 26 23.74	0.006	08	0.57	30.378	17	94.9	24.07	15	94.0	F5	GC	9146K	C*-35 3233
3	9.2	8.2W	55 32.765	-0.0005	21	-31 19 17.07	0.008	21	0.41	32.773	22	33.2	17.21	21	33.2	K2	C7	3066	C -31 3840
4	10.1	9.5W	55 38.780	-0.0020	21	-30 47 43.73	0.058	21	0.41	38.813	22	33.2	44.71	21	33.2	G5 L	C7	3067	C -30 3734
5	9.4	9.0W	55 40.552	0.0021	21	-34 59 39.17	-0.013	21	0.41	40.517	22	33.2	38.95	21	33.2	G5	C7	3068	C -34 3227
6	9.6	9.5W	55 43.147	0.0007	21	-33 11 34.38	0.034	21	0.41	43.135	22	33.2	34.94	21	33.2	A	C7	3069	C -33 3374
7		7.1T	55 48.091	0.0008	13	-35 23 52.11	-0.061	11	0.66	48.048	18	99.0	48.85	17	96.5	K0	GC	9159	C -35 3238
8	9.1	8.7W	55 48.257	-0.0052	21	-33 19 44.89	0.068	21	0.41	48.345	22	33.2	46.04	21	33.2	F8	C7	3070	C -33 3375
9	8.6	8.4W	55 51.286	-0.0029	21	-33 29 40.55	0.005	21	0.41	51.335	22	33.2	40.64	21	33.2	F8	C7	3071	C -33 3376
10	10.3	9.3W	55 56.622	0.0024	21	-30 21 33.52	0.009	21	0.41	56.582	22	33.2	33.68	21	33.2	K2	C7	3072	C -30 3739
11	9.6	9.7W	56 2.519	-0.0026	15	-39 36 6.90	-0.026	15	0.28	2.555	15	36.1	6.54	21	36.1	A2	C8	2735	C -39 2970
12	8.3	8.3W	56 5.405	0.0023	09	-36 57 11.41	-0.019	09	0.22	5.373	15	36.1	11.15	21	36.1	A5	C8	2736	C -36 3259
13	9.9		56 7.620	-0.0017	18	-39 1 42.45	0.014	18	0.31	7.644	15	36.1	42.64	21	36.1	A0	C8	2737	C -38 3050
14	9.4	9.7W	56 7.696	-0.0013	13	-39 6 15.94	0.000	13	0.26	7.714	15	36.1	15.94	21	36.1	A0	C8	2738	C -39 2972
15		7.1T	56 13.170	0.0003	12	-30 40 38.21	-0.055	12	0.63	13.156	17	01.0	35.37	18	98.3	G5	GC	9168	C*-30 3743
16	9.8	8.6W	56 13.700	-0.0038	21	-30 59 57.39	0.037	21	0.41	13.763	22	33.2	58.01	21	33.2	K2	C7	3074	C -30 3744
17	10.3	9.5W	56 15.923	0.0011	21	-33 1 0.15	-0.024	21	0.41	15.905	22	33.2	-59.74	21	33.2	G5 L	C7	3075	C -32 3526
18	10.9	9.4W	56 21.584	-0.0014	21	-34 36 54.72	-0.046	21	0.41	21.607	22	33.2	53.95	21	33.2	K2 L	C7	3076	C -34 3235
19	10.5	9.4W	56 22.484	-0.0021	09	-36 37 16.89	0.025	09	0.22	22.513	15	36.1	17.24	21	36.1	K5	C8	2740	C -36 3262
20	10.1	9.4W	56 22.544	-0.0010	10	-38 55 50.08	-0.010	10	0.23	22.544	15	36.1	49.94	21	36.1	G5	C8	2741	C -38 3052
21	9.0	9.1W	56 23.437	-0.0155	23	-36 12 23.99	-0.054	23	0.37	23.652	15	36.1	23.24	21	36.1	A0	C8	2742	C -36 3261
22	7.2	7.3W	56 28.274	0.0009	07	-35 21 1.10	0.003	07	0.21	28.261	15	36.1	1.14	21	36.1	B9	C8	2743	C -35 3243
23	9.4	9.1W	56 28.830	-0.0025	21	-30 11 34.02	0.045	21	0.41	28.872	22	33.2	34.78	21	33.2	F5	C7	3077	C -30 3748
24	7.2	7.3W	56 29.406	-0.0011	07	-35 21 1.56	-0.016	07	0.21	29.421	15	36.1	1.34	21	36.1	B9	C8	2744	C -35 3243
25	11.0	9.8W	56 33.814	-0.0013	23	-35 58 23.13	-0.006	23	0.37	33.832	15	36.1	23.04	21	36.1	K1 L	C8	2745	C -35 3244
26		9.0R	56 34.920	-0.0024	20	-30 26 25.60	0.042	20	0.36	34.960	16	33.5	26.30	16	33.5	A2 J	13B	3470	J -30 3751
27		5.1T	56 35.185	-0.0017	06	-34 2 33.48	0.014	04	0.27	35.262	12	03.5	34.20	10	96.6	B5	GC	9184	C*-33 3389
28	10.8	9.9W	56 36.353	-0.0014	23	-35 40 39.78	-0.010	23	0.37	36.372	15	36.1	39.65	21	36.1	K0 L	C8	2746	C -35 3245
29	10.3	9.9W	56 36.377	0.0019	21	-32 57 27.68	0.027	21	0.41	36.345	22	33.2	28.14	21	33.2	G2 L	C7	3079	C -32 3533
30	10.3	8.8W	56 38.693	-0.0045	13	-39 54 22.96	-0.030	13	0.26	38.755	15	36.1	22.54	21	36.1	K5	C8	2747	C -39 2977
31	9.5	7.8W	56 47.793	-0.0037	21	-33 4 35.27	0.039	21	0.41	47.855	22	33.2	35.94	21	33.2	K5	C7	3080	C -32 3538
32		6.4T	56 48.862	-0.0001	09	-30 55 42.71	0.019	08	0.35	48.867	10	11.4	43.45	10	11.0	B8	GC	9190K	C*-30 3757
33	8.0	8.3W	56 51.779	-0.0039	13	-36 45 29.22	0.023	13	0.26	51.833	15	36.1	29.54	21	36.1	A0	C8	2748	C -36 3272
34	9.7	8.7W	56 53.162	0.0003	21	-34 56 54.61	0.008	21	0.41	53.157	22	33.2	54.75	21	33.2	K0	C7	3082	C -34 3240
35	10.0	9.3W	56 54.862	-0.0019	21	-30 32 45.28	-0.028	21	0.41	54.893	22	33.2	44.81	21	33.2	K0	C7	3083	C -30 3758
36		6.9T	57 8.148	-0.0015	13	-32 39 9.44	-0.004	12	0.65	8.221	18	01.0	9.22	17	99.2	G5	GC	9196	C -32 3545
37	8.6	8.3W	57 11.549	-0.0017	18	-37 40 42.65	-0.022	18	0.31	11.573	15	36.1	42.34	21	36.1	F8	C8	2751	C -37 3212
38	10.4	9.7W	57 20.660	-0.0002	21	-31 27 13.64	-0.026	21	0.41	20.663	22	33.2	13.21	21	33.2	K0 L	C7	3085	C -31 3876
39	9.3	8.9W	57 20.939	-0.0010	21	-33 48 41.07	0.040	21	0.41	20.956	22	33.2	41.75	21	33.2	F5	C7	3086	C -33 3397
40	8.4	8.2W	57 25.895	-0.0006	06	-36 44 43.94	0.022	06	0.20	25.903	15	36.1	44.25	21	36.1	F2	C8	2755	C -36 3280
41	8.4	8.8W	57 29.935	-0.0028	18	-38 45 43.47	-0.009	18	0.31	29.974	15	36.1	43.34	21	36.1	B8	C8	2756	C -38 3070
42	10.5	9.4W	57 35.508	-0.0025	13	-37 58 18.80	-0.019	13	0.26	35.543	15	36.1	18.54	21	36.1	K0	C8	2757	C -37 3220
43	10.2	9.4W	57 36.620	0.0012	18	-37 17 18.63	-0.006	18	0.31	36.603	15	36.1	18.54	21	36.1	G5	C8	2758	C -37 3221
44	9.0	8.7W	57 39.779	-0.0040	10	-39 31 29.70	0.154	10	0.23	39.835	15	36.1	31.84	21	36.1	G5	C8	2759	C -39 2992
45	11.0	10.0W	57 49.624	-0.0024	21	-33 23 15.83	-0.017	21	0.41	49.665	22	33.2	15.54	21	33.2		C7	3087	C -33 3402
46		6.6T	57 50.522	-0.0001	13	-33 24 17.86	0.034	11	0.65	50.527	19	99.9	19.57	17	99.1	A3	GC	9219	C -33 3402
47	8.2	8.7W	57 58.416	-0.0015	21	-30 0 57.72	0.045	21	0.41	58.441	22	33.2	58.48	21	33.2	B9	C7	3089	C -29 3744
48		7.1T	58 6.412	0.0031	18	-30 0 24.51	-0.028	15	0.85	6.262	18	01.3	23.12	18	99.6	K2	GC	9230	C -29 3749
49	11.2	9.5W	58 6.841	-0.0008	13	-35 57 35.48	-0.024	13	0.26	6.852	15	36.1	35.15	21	36.1	K	C8	2760	C -35 3261
50	9.4	9.6W	58 6.903	-0.0036	21	-30 32 10.56	0.015	21	0.41	6.963	22	33.2	10.81	21	33.2	A0	C7	3091	C -30 3773
51	9.0	8.5W	6 58 8.037	0.0008	21	-31 9 27.30	0.030	21	0.41	8.023	22	33.2	27.81	21	33.2	G0	C7	3092	C -31 3888
52	9.1	8.9W	58 9.453	0.0028	13	-38 45 14.24	-0.007	13	0.26	9.414	15	36.1	14.14	21	36.1	F5	C8	2761	C -38 3079
53	10.7		58 10.388	-0.0140	30	-37 18 12.00	0.082	30	0.45	10.583	15	36.1	13.14	21	36.1	F5 L	C8	2762	C -37 3224
54	10.5	9.3W	58 12.828	-0.0004	13	-39 28 4.42	0.016	13	0.26	12.834	15	36.1	4.65	21	36.1	K0	C8	2763	C -39 2999
55	9.5	9.2W	58 12.901	-0.0013	21	-31 33 28.60	-0.052	21	0.41	12.924	22	33.2	27.72	21	33.2	G0	C7	3093	C -31 3890
56		6.6T	58 14.920	0.0017	11	-31 4 14.77	0.054	12	0.65	14.831	18	96.8	17.64	18	96.8	F5	GC	9235	C*-30 3775
57		7.8T	58 19.212	-0.0011	14	-30 59 51.77	0.030	16	0.76	19.267	21	01.0	53.21	21	01.8	K5	GC	9237	C -30 3777
58	10.0	9.1W	58 20.415	0.0019	21	-31 42 4.60	-0.034	21	0.41	20.384	22	33.2	4.02	21	33.2	K0	C7	3096	C -31 3894
59	8.8	7.9W	58 20.694	0.0000	21	-30 36 27.09	0.025	21	0.41	20.693	22	33.2	27.51	21	33.2	K0	C7	3097	C -30 3778
60	10.4		58 22.438	0.0098	18	-36 18 15.14	-0.079	18	0.31	22.302	15	36.1	14.04	21	36.1	A5 L	C8	2764	C -36 3289
61	9.5	9.5W	58 25.936	-0.0033	21	-30 4 53.91	0.028	21	0.41	25.992	22	33.2	54.38	21	33.2	A5	C7	3098	C -29 3758
62	7.9	8.2W	58 26.983	-0.0016	06	-39 44 59.16	-0.030	06	0.20	27.005	15	36.1	58.74	21	36.1	B9	C8	2765	C -39 3002
63	8.1	8.2W	58 35.095	-0.0024	21	-33 48 19.33	0.007	21	0.41	35.136	22	33.2	19.45	21	33.2	A2	C7	3099	C -33 3410
64	9.9	9.5W	58 37.365	-0.0100	13	-39 23 56.11	-0.019	13	0.26	37.504	15	36.1	55.84	21	36.1	F5	C8	2766	C -39 3005
65	10.7		58 38.176	-0.0041	23	-37 6 27.33	0.001	23	0.37	38.233	15	36.1	27.34	21	36.1	G2 L	C8	2767	C -36 3292
66	10.1	9.1W	58 42.993	-0.0036	18	-38 21 17.62	-0.020	18	0.31	43.043	15	36.1	17.34	21	36.1	K0	C8	2768	C -38 3086
67	10.6	9.7W	58 43.853	-0.0012	21	-32 20 57.59	0.008	21	0.41	43.874	22	33.2	57.72	21	33.2		C7	3100	C -32 3570
68	9.8	9.9W	58 46.091	-0.0026	21	-32 32 32.19	0.039	21	0.41	46.135	22	33.2	32.84	21	33.2	A2 L	C7	3101	C -32 3571
69	9.5	9.4W	58 46.341	-0.0052	10	-37 58 36.50	0.010	10	0.23	46.413	15	36.1	36.64	21	36.1	F5	C8	2769	C -37 3233
70	10.3	9.0W	58 48.177	-0.0018	21	-34 51 20.26	0.017	21	0.41	48.207	22	33.2	20.55	21	33.2	K0	C7	3102	C -34 3262
71	7.5	7.8W	58 50.804	-0.0027	13	-35 45 59.15	-0.008	13	0.26	50.842	15	36.1	59.04	21	36.1	B9	C8	2770	C -35 3272
72	8.4	7.7W	58 51.368	0.0018	09	-37 57 52.18	-0.017	09	0.22	51.343	15	36.1	51.94	21	36.1	G5	C8	2771	C -37 3235
73	9.2	9.0W	58 51.642	-0.0019	21	-31 2 9.80	0.018	21	0.41	51.673	22	33.2	10.11	21	33.2	F8	C7	3103	C -30 3786
74	8.2	8.0W	58 52.213	-0.0021	13	-35 57 49.94	-0.022	13	0.26	52.242	15	36.2	49.64	21	36.2	F0	C8	2773	C -35 3273
75		6.5T	58 58.583	0.0010	13	-33 23 40.55	0.089	12	0.65	58.533	18	00.7	45.00	15	99.8	K0	GC	9250	C -33 3415
76	8.6	8.6W	58 59.701	-0.0018	21	-30 28 46.67	0.018	21	0.42	59.732	22	32.7	46.98	21	32.7	F0	C7	3105	C -30 3791
77	10.1	9.2W	59 5.344	0.0015	13	-36 36 5.85	-0.044	13	0.26	5.323	15	36.2	5.24	21	36.2	G0	C8	2774	C -36 3294
78	8.9	9.1W	59 5.443	-0.0013	13	-35 4 4.47	-0.002	13	0.26	5.461	15	36.2	4.44	21	36.2	A2	C8	2775	C -34 3264
79	10.6	9.8W	59 6.482	-0.0015	13	-37 5 59.03	-0.057	13	0.26	6.503	15	36.2	58.24	21	36.2	K0	C8	2776	C -36 3297
80	9.2	9.0W	59 13.978	-0.0026	13	-39 24 28.07	0.005	13	0.26	14.014	15	36.2	28.14	21	36.2	F5	C8	2777	C -39 3014
81		7.3T	59 15.157	0.0009	13	-30 35 33.65	0.051	11	0.64	15.114	18	00.7	36.32	17	97.6	F0	GC	9259	C*-30 3794
82	9.7	8.5W	59 17.525	-0.0028	13	-36 33 38.87	0.027	13	0.26	17.563	15	36.2	39.24	21	36.2	K0	C8	2778	C -36 3299
83	9.0	9.3W	59 19.672	-0.0030	21	-30 33 14.95	0.038	21	0.42	19.723	22	32.7	15.61	21	32.7	A0 L	C7	3107	C -30 3796
84	8.6	9.0W	59 20.868	-0.0009	21	-30 32 28.48	0.048	21	0.42	20.883	22	32.7	29.31	21	32.7	A	C7	3108	C -30 3797
85	9.3	8.7W	59 27.758	-0.0011	13	-38 21 2.99	0.004	13	0.26	27.773	15	36.2	3.04	21	36.2	G5	C8	2779	C -38 3095
86	10.9	9.2W	59 28.138	-0.0037	13	-35 16 56.87	-0.031	13	0.26	28.161	15	36.2	56.44	21	36.2	K5 L	C8	2780	C -35 3277
87	9.9	9.7W	59 31.529	-0.0020	21	-31 17 17.33	0.016	21	0.42	31.563	22	32.7	17.61	21	32.7	F5 L	C7	3109	C -31 3922
88	10.0	9.7W	59 44.639	-0.0025	13	-37 5 14.36	0.013	13	0.26	44.673	15	36.2	14.54	21	36.2	G0	C8	2781	C -36 3307
89	9.4	8.6W	59 44.734	-0.0012	21	-33 17 9.12	-0.010	21	0.42	44.755	22	32.7	8.94	21	32.7	K0	C7	3110	C -33 3428
90	8.6	7.4W	59 45.080	-0.0008	13	-35 16 32.20	0.003	13	0.26	45.091	15	36.2	32.24	21	36.2	K0	C8	2782	C -35 3279
91	9.9	9.2W	59 49.034	-0.0041	21	-33 17 27.51	0.002	21	0.42	49.105	22	32.7	27.54	21	32.7	K0 L	C7	3111	C -33 3429
92		9.3R	59 50.445	-0.0052	20	-30 19 14.59	-0.004	20	0.36	50.531	16	33.5	14.52	16	33.5	A0 M	13B	3535	J -30 3810
93	10.9	10.1W	59 54.474	-0.0041	21	-32 47 41.26	0.051	21	0.42	54.545	22	32.7	42.14	21	32.7	G5 L	C7	3112	C -32 3587
94	9.8	9.4W	59 57.441	-0.0046	13	-38 32 30.89	0.011	13	0.26	57.504	15	36.2	31.04	21	36.2	G0	C8	2783	C -38 3099
95	10.7		59 58.465	-0.0021	18	-39 0 48.53	-0.021	18	0.31	58.494	15	36.2	48.24	21	36.2	F5 L	C8	2784	C -38 3100
96	10.1	9.2W	59 58.971	-0.0036	21	-30 33 29.90	-0.011	21	0.42	59.033	22	32.7	29.71	21	32.7	K2 L	C7	3113	C -30 3813
97		6.6T	59 59.526	-0.0014	08	-35 28 29.22	0.009	07	0.36	59.587	12	05.1	29.63	12	03.7	B9	GC	9283	C -35 3282
98	9.7	9.7W	7 0 1.400	-0.0038	21	-34 21 37.27	0.010	21	0.42	1.466	22	32.7	37.44	21	32.7	F0	C7	3114	C -34 3274
99	10.5	9.4W	0 7.962	-0.0015	13	-38 14 17.74	-0.007	13	0.26	7.983	15	36.2	17.64	21	36.2	K0	C8	2786	C -38 3105
00	10.0	9.9W	0 10.950	0.0005	13	-36 49 21.62	-0.013	13	0.26	10.943	15	36.2	21.44	21	36.2	F8	C8	2787	C -36 3315

197500			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 7H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ .001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.1	9.1W	7 0 12.226	-0.0033	13	-35 30 51.48	0.004	13	0.26	12.272	15	36.2	51.54	21	36.2	A2	C8	2788	C -35 3283	
2	10.0	9.0W	0 13.169	0.0012	13	-35 42 12.08	-0.061	13	0.26	13.152	15	36.2	11.24	21	36.2	K0	C8	2789	C -35 3284	
3	9.2	9.4W	0 13.286	-0.0041	21	-34 42 51.48	0.010	21	0.42	13.357	22	32.7	51.65	21	32.7	A3	C7	3115	C -34 3277	
4	8.9	8.9W	0 23.265	-0.0005	13	-36 29 4.02	-0.006	13	0.26	23.272	15	36.2	3.94	21	36.2	A2	C8	2791	C -36 3319	
5	10.5	9.6W	0 27.398	-0.0026	13	-39 27 49.84	0.022	13	0.26	27.434	15	36.2	50.14	21	36.2	K0	C8	2792	C -39 3030	
6	9.9	9.7W	0 30.988	-0.0054	21	-30 17 22.17	0.064	21	0.42	31.082	22	32.7	23.28	21	32.7	F5 L	C7	3116	C -30 3827	
7	8.2	8.2W	0 41.059	0.0026	13	-37 5 53.57	-0.002	13	0.26	41.023	15	36.2	53.54	21	36.2	A3	C8	2793	C -36 3320	
8	9.7	9.1W	0 42.389	-0.0039	13	-36 31 49.90	0.061	13	0.26	42.443	15	36.2	50.74	21	36.2	G5	C8	2794	C -36 3321	
9	10.5	9.9W	0 43.518	-0.0049	21	-32 7 57.59	-0.027	21	0.42	43.604	22	32.7	57.12	21	32.7	G5 L	C7	3117	C -32 3597	
10	8.0	7.9W	0 44.887	-0.0004	09	-37 59 8.50	0.046	09	0.22	44.892	15	36.2	9.14	21	36.2	F0	C8	2795	C -37 3250	
11	10.8	9.9W	0 54.790	-0.0009	13	-35 37 51.33	-0.021	13	0.26	54.802	15	36.2	51.04	21	36.2	K0 L	C8	2797	C -35 3299	
12	9.4	9.3W	1 1.703	-0.0013	21	-33 11 56.51	0.007	21	0.42	1.725	22	32.7	56.64	21	32.7	F2	C7	3118	C -33 3445	
13	11.2	10.1W	1 6.916	-0.0020	18	-38 12 48.78	-0.017	18	0.31	6.943	15	36.2	48.54	21	36.2	K1 L	C8	2798	C -38 3116	
14	9.9	10.0W	1 8.381	-0.0013	21	-31 13 47.71	0.046	21	0.42	8.403	22	32.7	48.51	21	32.7	A2 L	C7	3119	C -31 3958	
15	9.7	9.3W	1 13.964	-0.0014	18	-37 43 41.59	-0.025	18	0.31	13.983	15	36.2	41.24	21	36.2	F8	C8	2799	C -37 3257	
16	10.1	10.0W	1 16.684	-0.0034	21	-32 10 20.57	0.032	21	0.42	16.744	22	32.7	21.12	21	32.7	A5 L	C7	3120	C -32 3607	
17	11.0	9.3W	1 18.721	-0.0001	13	-36 26 23.49	-0.047	13	0.26	18.722	15	36.2	22.84	21	36.2	MA	C8	2800	C -36 3325	
18	7.9	8.4W	1 34.684	-0.0019	21	-34 40 45.31	0.008	21	0.42	34.717	22	32.7	45.45	21	32.7	A0	C7	3121	C -34 3298	
19	9.6	9.4W	1 37.475	0.0007	21	-31 43 47.62	0.035	21	0.42	37.464	22	32.7	48.22	21	32.7	G	C7	3122	C -31 3968	
20	8.8	8.1W	1 38.029	0.0035	13	-35 14 41.91	-0.048	13	0.26	37.981	15	36.2	41.25	21	36.2	K0	C8	2801	C -35 3310	
21	9.6	8.0W	1 39.390	-0.0061	21	-33 30 51.01	0.007	21	0.42	39.496	22	32.7	51.14	21	32.7	K5	C7	3123	C -33 3451	
22	10.0	9.5W	1 41.961	0.0042	13	-37 7 30.33	0.063	13	0.26	41.903	15	36.2	51.35	21	36.2	G0	C8	2802	C -37 3264	
23	8.7	8.4W	1 45.073	-0.0053	21	-32 54 23.11	0.053	21	0.42	45.165	22	32.7	24.04	21	32.7	F5	C7	3124	C -32 3616	
24	10.5	10.0W	1 48.832	-0.0076	21	-32 10 0.29	-0.050	21	0.42	48.964	22	32.7	-59.42	21	32.7	G5 L	C7	3125	C -32 3617	
25	9.1	8.4W	1 49.876	-0.0022	21	-30 31 9.50	-0.017	21	0.42	49.913	22	32.7	9.21	21	32.7	K0	C7	3126	C -30 3656	
26	9.3	9.2W	1 51.382	-0.0024	21	-30 39 4.20	-0.041	21	0.42	51.423	22	32.7	4.91	21	32.7	F2	C7	3127	C -30 3658	
27	10.5	9.1W	1 52.415	-0.0028	21	-30 55 3.16	-0.003	21	0.42	52.463	22	32.7	3.11	21	32.7	K2 L	C7	3128	C -30 3659	
28	8.6	8.0W	1 55.559	-0.0019	13	-39 53 24.16	-0.049	13	0.26	55.585	15	36.2	24.84	21	36.2	G5	C8	2803	C -39 3044	
29		7.9T	2 6.152	0.0010	13	-34 11 28.74	-0.005	12	0.65	6.101	18	00.7	28.51	18	99.5	K0	GC	9331	C -34 3306	
30	10.1	9.3W	2 13.412	-0.0043	21	-33 43 16.87	0.010	21	0.42	13.486	22	32.7	17.04	21	32.7	K0	C7	3130	C -33 3461	
31	10.6	9.9W	2 13.737	-0.0011	13	-36 17 7.56	-0.016	13	0.26	13.752	15	36.2	7.34	21	36.2	K0	C8	2804	C -36 3330	
32	9.4	9.7W	2 15.359	-0.0020	21	-31 43 41.12	0.052	21	0.42	15.394	22	32.7	42.02	21	32.7	B9	C7	3131	C -31 3981	
33	10.9	9.1W	2 15.491	-0.0029	13	-35 19 59.13	0.001	13	0.26	15.531	15	36.2	59.14	21	36.2	K5 L	C8	2805	C -35 3318	
34	10.2	10.0W	2 17.088	-0.0009	21	-31 5 17.78	-0.004	21	0.42	17.103	22	32.7	17.71	21	32.7	F8 L	C7	3132	C -31 3968	
35	9.9	8.9W	2 18.779	-0.0002	13	-36 3 57.58	-0.032	13	0.26	18.782	15	36.2	57.14	21	36.2	K0	C8	2806	C -35 3322	
36	9.5	8.7W	2 23.056	-0.0012	18	-37 21 2.55	-0.015	18	0.31	23.073	15	36.2	2.34	21	36.2	G5	C8	2808	C -37 3276	
37	7.5	7.5W	2 24.993	-0.0016	21	-30 41 55.27	0.060	21	0.42	25.023	22	32.7	56.31	21	32.7	B9	C7	3133	C -30 3670	
38	8.6	8.9W	2 35.033	-0.0029	21	-31 54 17.41	0.053	21	0.42	35.084	22	32.7	18.32	21	32.7	A0	C7	3134	C -31 3988	
39	10.0	9.0W	2 37.359	-0.0024	13	-35 54 36.71	-0.012	13	0.26	37.392	15	36.2	36.54	21	36.2	G5	C8	2809	C -35 3326	
40	7.5	7.9W	2 42.069	-0.0008	21	-31 55 54.77	-0.020	21	0.42	42.084	22	32.7	54.42	21	32.7	B8	C7	3135	C -31 3994	
41	9.1	8.1W	2 50.545	-0.0043	09	-38 34 5.43	0.044	09	0.22	50.604	15	36.2	6.05	21	36.2	K0	C8	2810	C -38 3139	
42	7.5	7.4W	2 50.760	-0.0025	21	-31 52 8.93	-0.000	21	0.42	50.804	22	32.7	8.92	21	32.7	F2	C7	3136	C -31 3998	
43	10.5	9.4W	2 54.594	-0.0028	13	-36 39 46.08	0.026	13	0.26	54.633	15	36.2	46.44	21	36.2	G5	C8	2811	C -36 3335	
44	9.3	9.5W	2 56.301	-0.0001	13	-35 50 18.76	-0.016	13	0.26	56.302	15	36.2	18.54	21	36.2	A0	C8	2812	C -35 3331	
45	9.3	7.7W	3 5.799	-0.0020	21	-31 26 58.28	-0.033	21	0.42	5.833	22	32.7	57.71	21	32.7	K5	C7	3137	C -31 4005	
46	9.5	8.6W	3 6.920	-0.0032	21	-33 25 11.29	-0.027	21	0.42	6.975	22	32.7	10.84	21	32.7	K0	C7	3138	C -33 3475	
47	9.7	9.5W	3 17.877	-0.0062	10	-38 16 17.05	0.079	10	0.23	17.963	15	36.2	18.14	21	36.2	F8	C8	2813	C -38 3146	
48	9.3	8.6W	3 26.066	-0.0015	21	-30 26 35.54	0.002	21	0.42	26.022	22	32.7	33.58	21	32.7	G5	C7	3139	C -30 3689	
49			3 26.545	-0.0049	13	-35 51 46.04	-0.014	13	0.26	26.612	15	36.2	45.84	21	36.2	MC	C8	2816X	C -35 3334	
50		7.4T	3 26.745	-0.0059	17	-34 3 59.57	0.071	18	0.84	27.021	19	03.0	+ 2.84	19	03.6	F5	GC	9370	C*-33 3478	
51	10.7	9.6W	7 3 27.152	-0.0008	18	-37 53 39.68	-0.003	18	0.31	27.163	15	36.2	39.64	21	36.2	K0	C8	2817	C -37 3294	
52	9.4	9.3W	3 28.098	-0.0003	13	-35 41 6.77	-0.038	13	0.26	28.102	15	36.2	6.24	21	36.2	F2	C8	2818	C -35 3335	
53		10.0T	3 40.109	-0.0030	22	-34 41 50.14	0.069	18	0.94	40.242	22	05.7	52.85	22	04.4		GC	9374K	C -34 3325	
54		7.3T	3 41.005	0.0009	11	-38 9 23.92	-0.036	11	0.62	40.960	18	98.5	21.94	19	95.1	A0	GC	9375	C -38 3149	
55	9.1	9.1W	3 42.078	-0.0021	21	-33 17 25.35	0.022	21	0.42	42.115	22	32.7	25.74	21	32.7	A0	C7	3141	C -33 3483	
56	10.0	9.8W	3 42.269	-0.0004	21	-33 53 54.39	0.003	21	0.42	42.276	22	32.7	54.44	21	32.7	F2	C7	3142	C -33 3485	
57		6.3T	3 42.928	-0.0040	12	-34 42 3.01	0.039	11	0.63	43.128	18	99.9	5.06	18	97.9	F0	GC	9376K	C -34 3327	
58		7.4G	3 43.189	-0.0019	20	-34 42 5.19	0.072	20	0.93	43.277	21	03.8	8.52	22	04.0		GC	9377K	C -34 3327	
59	9.3	9.1W	3 45.857	-0.0012	13	-39 5 0.37	-0.060	13	0.26	45.874	15	36.2	-59.54	21	36.2	F8	C8	2821	C -38 3153	
60	9.7	8.2W	3 50.509	0.0018	13	-38 35 44.81	-0.005	13	0.26	50.484	15	36.2	44.74	21	36.2	K2	C8	2823	C -38 3154	
61	10.2	9.3W	3 54.391	-0.0043	21	-33 30 20.56	0.010	21	0.42	54.466	22	32.7	20.74	21	32.7	G5	C7	3144	C -33 3489	
62		8.4T	3 55.368	-0.0013	12	-37 33 6.99	0.001	10	0.62	55.436	21	98.4	7.04	18	95.2	A0	GC	9380	C -37 3302	
63	10.1	9.2W	3 55.751	-0.0024	18	-39 8 22.64	-0.029	18	0.31	55.784	15	36.2	22.24	21	36.2	G5	C8	2825	C -39 3064	
64	9.3	8.7W	3 57.331	-0.0074	06	-36 38 28.33	0.095	06	0.20	57.433	15	36.2	29.64	21	36.2	G5	C8	2826	C -36 3347	
65	9.3	9.3W	4 3.036	-0.0041	13	-36 46 22.69	0.004	13	0.26	3.093	15	36.2	22.74	21	36.2	A2	C8	2827	C -36 3348	
66		6.4T	4 4.779	-0.0004	13	-30 34 39.92	0.007	12	0.69	4.800	19	99.8	40.29	18	97.4	B8	GC	9383	C*-30 3907	
67	10.5	9.6W	4 5.375	-0.0005	13	-35 38 39.99	-0.018	13	0.26	5.382	15	36.2	39.74	21	36.2	K0	C8	2828	C -35 3339	
68	10.3	9.4W	4 9.550	-0.0032	21	-33 33 25.97	-0.048	21	0.42	9.606	22	32.7	25.14	21	32.7	G5	C7	3146	C -33 3494	
69	9.9	9.0W	4 13.817	0.0024	21	-34 25 26.38	-0.072	21	0.42	13.776	22	32.7	25.15	21	32.7	K2	C7	3147	C -34 3334	
70	9.2	8.3W	4 14.256	-0.0019	09	-36 20 31.51	-0.005	09	0.22	14.282	15	36.2	31.44	21	36.2	K0	C8	2829	C -36 3350	
71	10.5	9.3W	4 18.839	-0.0014	21	-31 0 44.23	0.022	21	0.42	18.863	22	32.7	44.61	21	32.7	K2 L	C7	3148	C -30 3913	
72		6.1T	4 19.214	0.0006	07	-38 18 17.41	0.015	06	0.32	19.189	12	06.8	18.10	12	03.8	G0	GC	9388	C -38 3163	
73	10.2	9.3W	4 23.587	-0.0004	21	-31 18 32.25	0.026	21	0.42	23.593	22	32.7	32.71	21	32.7	K0 L	C7	3149	C -31 4039	
74		8.3T	4 29.278	-0.0010	13	-37 38 6.74	0.009	13	0.71	29.328	22	00.4	7.20	21	98.8	A0	GC	9396	C -37 3309	
75	9.0	9.2W	4 30.150	-0.0024	09	-36 32 8.91	-0.012	09	0.22	30.183	15	36.2	8.74	21	36.2	A0	C8	2833	C -36 3352	
76	9.2	9.2W	4 31.799	-0.0013	21	-30 11 53.80	-0.007	21	0.42	31.822	22	32.7	53.68	21	32.7	F0	C7	3150	C -30 3918	
77	9.9	9.0W	4 33.107	0.0006	21	-34 39 18.96	0.028	21	0.42	33.097	22	32.7	19.45	21	32.7	K2	C7	3151	C -34 3339	
78	9.1	7.7W	4 33.583	-0.0028	13	-35 40 15.94	-0.014	13	0.26	33.622	15	36.2	15.75	21	36.2	K2	C8	2834	C -35 3344	
79		7.2T	4 36.382	-0.0028	12	-37 37 52.47	0.001	11	0.64	36.526	22	99.0	52.52	19	97.2	A0	GC	9399	C -37 3313	
80	8.5	8.8W	4 36.601	-0.0023	09	-36 58 54.49	0.004	09	0.22	36.633	15	36.2	54.54	21	36.2	A0	C8	2836	C -36 3353	
81	8.6	8.9W	4 39.620	-0.0025	21	-32 0 41.44	-0.001	21	0.42	39.664	22	32.7	41.42	21	32.7	A0	C7	3152	C -31 4042	
82	8.2	8.5W	4 41.899	0.0007	21	-34 39 29.76	0.005	21	0.42	41.887	22	32.7	29.85	21	32.7	A0	C7	3153	C -34 3343	
83	10.1	9.8W	4 44.696	-0.0010	21	-31 49 7.01	-0.005	21	0.42	44.714	22	32.7	6.92	21	32.7	F5 L	C7	3154	C -31 4043	
84		9.0R	4 46.463	0.0005	20	-30 4 8.53	0.001	20	0.36	46.454	16	33.5	8.55	16	33.5	F5 M	13B	3608	J -29 3901	
85	10.3	10.1W	4 48.736	-0.0016	21	-30 51 30.50	0.018	21	0.42	48.763	22	32.7	30.81	21	32.7	F8 L	C7	3155	C -30 3924	
86	8.5	8.8W	4 50.213	-0.0023	13	-39 13 7.91	0.002	13	0.26	50.244	15	36.2	7.95	21	36.2	A0	C8	2837	C -39 3074	
87	8.9	9.1W	4 51.710	0.0003	21	-32 36 33.51	0.002	21	0.42	51.705	22	32.7	33.54	21	32.7	A0	C7	3156	C -32 3667	
88	10.3	10.1W	4 55.332	-0.0014	21	-34 20 4.69	-0.009	21	0.42	55.356	22	32.7	4.55	21	32.7	F8	C7	3157	C -34 3345	
89	10.5		4 57.435	-0.0020	09	-36 36 14.24	-0.007	09	0.22	57.463	15	36.2	14.14	21	36.2	G0	C8	2838	C -36 3356	
90	10.9	9.3W	4 59.713	-0.0012	21	-30 57 53.93	0.051	21	0.42	59.733	22	32.7	54.81	21	32.7	K2 L	C7	3158	C -30 3933	
91	10.0	9.2W	5 4.050	0.0020	21	-34 18 45.47	-0.025	21	0.42	4.016	22	32.7	45.04	21	32.7	K0	C7	3159	C -34 3347	
92	10.5	9.8W	5 13.619	-0.0009	13	-35 59 47.78	-0.010	13	0.26	13.742	15	36.2	47.64	21	36.2	G5	C8	2839	C -35 3350	
93	9.5	8.1W	5 15.806	0.0007	21	-30 42 56.60	0.006	21	0.42	15.793	22	32.7	56.71	21	32.7	K2	C7	3160	C -30 3942	
94	10.6		5 21.438	-0.0055	23	-38 47 52.56	-0.023	23	0.37	21.514	15	36.2	52.24	21	36.2	A2	C8	2840	C -38 3177	
95	9.0	8.7W	5 28.295	0.0011	21	-34 21 34.70	-0.073	21	0.42	28.276	22	32.7	33.44	21	32.7	F5	C7	3161	C*-34 3351	
96	9.7	9.6W	5 28.610	-0.0031	18	-37 33 11.30	-0.004	18	0.31	28.653	15	36.2	11.25	21	36.2	A3	C8	2841	C -37 3323	
97	8.3	8.4W	5 29.023	-0.0000	21	-31 46 33.64	0.005	21	0.42	29.024	22	32.7	33.72	21	32.7	A2	C7	3162	C -31 4054	
98	9.3	9.4W	5 30.181	-0.0023	10	-37 15 31.56	0.006	10	0.23	30.213	15	36.2	31.69	21	36.2	A3	C8	2842	C -37 3324	
99	10.4	9.0W	5 32.975	-0.0040	21	-33 15 3.51	-0.015	21	0.42	33.045	22	32.7	3.24	21	32.7	K5	C7	3163	C -33 3515	
00	9.8	8.3W	5 36.845	-0.0022	21	-31 43 37.92	-0.023	21	0.42	36.884	22	32.7	37.52	21	32.7	K5	C7	3164	C -31 4056	

197600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 7H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	10.0	9.0W	7 5 39.752	-0.0015	13	-38 22 18.44	-0.036	13	0.26		39.773	15	36.2	17.94	21	36.2	K0	C8	2843	C -38 3182
2	9.3	9.0W	5 41.328	-0.0010	09	-35 47 42.19	-0.025	09	0.22		41.342	15	36.2	41.85	21	36.2	F5	C8	2844	C -35 3357
3	9.9	8.7W	5 42.787	-0.0021	21	-31 34 53.77	-0.020	21	0.42		42.824	22	32.7	53.42	21	32.7	K0	C7	3165	C -31 4059
4	8.5	8.9W	5 50.110	-0.0007	21	-30 25 17.09	0.051	21	0.42		50.122	22	32.7	17.98	21	32.7	B9	C7	3166	C -30 3959
5	9.0	9.0W	5 50.865	-0.0041	13	-35 18 13.70	0.003	13	0.26		50.921	15	36.2	13.74	21	36.2	A2	C8	2845	C -35 3359
6	9.5	8.5W	5 51.478	-0.0009	21	-32 18 48.12	0.035	21	0.42		51.494	22	32.7	48.72	21	32.7	K0	C7	3167	C -32 3687
7	9.4	9.1W	5 57.866	0.0010	07	-35 52 17.51	-0.027	07	0.21		57.852	15	36.2	17.14	21	36.2	F2	C8	2846	C -35 3360
8	10.2	9.1W	6 1.521	0.0008	21	-34 51 48.62	-0.064	21	0.42		1.507	22	32.7	48.55	21	32.7	K0	C7	3168	C -34 3358
9	9.2	9.2W	6 1.722	-0.0001	13	-38 23 7.38	0.019	13	0.26		1.723	15	36.2	7.64	21	36.2	A5	C8	2847	C -38 3188
10	8.4	7.1W	6 1.948	0.0004	07	-35 44 3.92	-0.056	07	0.21		1.942	15	36.2	3.14	21	36.2	K0	C8	2848	C -35 3361
11	10.1	9.7W	6 2.816	-0.0047	09	-35 16 38.35	-0.051	09	0.22		2.881	15	36.2	37.65	21	36.2	G5	L C8	2849	C -35 3362
12	10.2	9.7W	6 3.253	-0.0023	21	-32 22 57.39	0.002	21	0.42		3.294	22	32.7	57.42	21	32.7	F5	L C7	3169	C -32 3689
13	8.5	8.0W	6 3.757	-0.0029	21	-34 45 18.76	0.132	21	0.42		3.807	22	32.7	21.05	21	32.7	G0	C7	3170	C -34 3360
14	8.6	8.8W	6 4.670	-0.0002	21	-31 19 46.37	0.002	21	0.42		4.673	22	32.7	46.41	21	32.7	A0	L C7	3171	C -31 4068
15	9.1	9.0W	6 6.326	-0.0045	21	-31 25 6.39	-0.005	21	0.42		6.403	22	32.7	6.31	21	32.7	A8	L C7	3172	C -31 4070
16		7.0T	6 16.136	0.0035	14	-31 20 48.11	-0.033	12	0.68		15.966	18	01.0	46.40	17	98.2	F5	GC	9441	C -31 4074
17	8.4	8.5W	6 18.129	-0.0061	13	-36 58 24.72	-0.006	13	0.26		18.213	15	36.2	24.64	21	36.2	A3	C8	2850	C -36 3368
18	9.6	8.9W	6 24.642	-0.0016	13	-39 12 22.95	0.021	13	0.26		24.664	15	36.2	23.24	21	36.2	K0	C8	2851	C -39 3093
19		7.8T	6 24.844	-0.0033	18	-33 17 34.18	0.016	14	0.80		24.998	18	03.3	34.95	18	00.9	A3	GC	9445	C -33 3523
20	8.9	9.1W	6 29.420	-0.0044	21	-33 38 26.99	-0.026	21	0.42		29.496	22	32.7	26.54	21	32.7	A0	C7	3175	C -33 3524
21	9.5	9.9W	6 33.858	-0.0082	13	-35 28 11.65	-0.066	13	0.26		33.971	15	36.2	10.74	21	36.2	A0	C8	2852	C -35 3365
22	8.4	8.7W	6 34.150	-0.0067	15	-37 16 27.92	0.016	15	0.28		34.243	15	36.2	28.14	21	36.2	A2	C8	2853	C -37 3336
23	9.5	9.3W	6 48.672	-0.0015	13	-36 8 11.15	-0.015	13	0.26		48.692	15	36.2	10.94	21	36.2	F0	C8	2854	C -36 3376
24	8.8	8.6W	6 50.555	-0.0029	21	-32 55 18.60	0.026	21	0.42		50.605	22	32.7	19.04	21	32.7	F2	C7	3176	C -32 3699
25	10.2	9.6W	6 53.158	0.0024	21	-34 45 19.36	-0.041	21	0.42		53.117	22	32.7	18.65	21	32.7	G5	C7	3177	C -34 3372
26	8.7	8.9W	6 53.748	-0.0016	21	-33 58 44.11	0.025	21	0.42		53.776	22	32.7	44.54	21	32.7	A0	C7	3178	C -33 3532
27	10.4	8.9W	6 56.278	-0.0019	18	-38 33 36.64	-0.007	18	0.31		56.304	15	36.2	36.55	21	36.2	K5	C8	2855	C -38 3202
28	9.7	9.4W	6 59.803	-0.0007	13	-37 56 52.02	0.016	13	0.26		59.813	15	36.2	52.24	21	36.2	G0	C8	2856	C -37 3337
29	10.5	9.0W	7 0.057	0.0009	10	-39 7 43.76	0.006	10	0.23		0.044	15	36.2	43.84	21	36.2	K5	C8	2857	C -39 3103
30	9.8	9.5W	7 8.197	-0.0004	13	-37 46 1.73	-0.014	13	0.26		8.203	15	36.2	1.54	21	36.2	F5	C8	2858	C -37 3341
31	9.3	9.7W	7 8.746	-0.0010	21	-31 49 40.30	0.019	21	0.42		8.764	22	32.7	40.62	21	32.7	A0	L C7	3179	C -31 4094
32		4.9T	7 10.276	-0.0010	04	-39 34 27.71	0.004	04	0.18		10.320	07	07.4	27.88	07	06.0	B3	GC	9463	C*-39 3105
33	10.3	9.3W	7 10.545	0.0018	21	-31 0 52.87	-0.015	21	0.42		10.513	22	32.7	52.61	21	32.7	K0	L C7	3180	C -30 3987
34	8.4	8.7W	7 12.856	-0.0039	21	-30 52 25.12	0.034	21	0.42		12.923	22	32.7	25.71	21	32.7	A0	C7	3181	C -30 3989
35	8.6	7.5W	7 13.576	-0.0017	21	-32 49 20.87	0.015	21	0.42		13.605	22	32.7	21.14	21	32.7	K2	C7	3182	C -32 3706
36	9.5	9.5W	7 14.396	-0.0040	13	-35 5 12.73	0.008	13	0.26		14.451	15	36.2	12.84	21	36.2	F0	C8	2860	C -34 3378
37	7.1	7.5W	7 14.637	-0.0021	21	-31 51 7.83	-0.012	21	0.42		14.674	22	32.7	7.62	21	32.7	B8	C7	3183	C -31 4099
38	11.0	9.7W	7 19.792	-0.0023	21	-30 7 57.75	0.025	21	0.42		19.832	22	32.7	58.18	21	32.7		C7	3184	C -30 3992
39	8.6	9.0W	7 24.414	-0.0006	21	-31 23 32.85	-0.020	21	0.42		24.403	22	32.7	32.51	21	32.7	A0	C7	3185	C -31 4104
40	9.0	8.8W	7 27.950	-0.0055	21	-33 13 47.70	0.014	21	0.42		28.045	22	32.7	47.94	21	32.7	A5	C7	3186	C -33 3541
41	8.9	8.7W	7 29.887	0.0011	13	-35 42 45.20	-0.004	13	0.26		29.872	15	36.2	45.14	21	36.2	A0	C8	2861	C -35 3372
42	8.2	8.6W	7 41.247	-0.0054	13	-35 12 17.73	0.008	13	0.26		41.321	15	36.2	17.84	21	36.2	A0	C8	2862	C -35 3374
43	7.4	7.2W	7 43.056	-0.0012	13	-35 54 32.65	0.007	13	0.26		43.072	15	36.2	32.74	21	36.2	F0	C8	2863	C -35 3375
44	10.3	9.5W	7 47.833	-0.0034	21	-30 4 3.34	0.031	21	0.42		47.892	22	32.7	3.88	21	32.7	K0	L C7	3187	C -29 3974
45	10.2	10.1W	7 48.831	-0.0013	21	-30 44 35.02	-0.024	21	0.42		48.853	22	32.7	34.61	21	32.7	F2	L C7	3188	C -30 4007
46	9.6	8.9W	7 50.064	0.0011	21	-33 15 24.31	0.024	21	0.42		50.045	22	32.7	24.74	21	32.7	K0	C7	3189	C -33 3546
47	9.3	9.3W	7 53.549	-0.0017	18	-37 32 36.21	-0.019	18	0.31		53.573	15	36.2	35.95	21	36.2	A2	C8	2864	C -37 3354
48	9.5	9.2W	8 2.365	0.0016	13	-38 19 26.98	0.004	13	0.26		2.343	15	36.2	27.04	21	36.2	G5	C8	2865	C -38 3212
49	9.4	9.1W	8 4.499	-0.0054	18	-38 12 0.73	0.008	18	0.31		4.573	15	36.2	0.84	21	36.2	G5	C8	2866	C -38 3213
50	8.8	9.0W	8 5.502	-0.0002	21	-33 56 56.95	-0.047	21	0.42		5.506	22	32.7	56.14	21	32.7	A0	C7	3190	C -33 3549
51	9.6	9.3W	7 8 9.729	-0.0043	21	-30 36 56.42	0.034	21	0.42		9.803	22	32.7	57.01	21	32.7	G0	L C7	3191	C -30 4020
52	10.0	9.7W	8 12.466	-0.0005	13	-36 34 30.32	-0.049	13	0.26		12.473	15	36.2	29.65	21	36.2	F5	C8	2867	C -36 3385
53	9.7	9.7W	8 14.713	-0.0031	21	-34 33 58.62	-0.016	21	0.42		14.767	22	32.7	58.35	21	32.7	A2	C7	3192	C -34 3386
54	9.0	9.2W	8 21.942	-0.0012	21	-31 45 45.87	-0.043	21	0.42		21.964	22	32.7	45.12	21	32.7	A0	C7	3193	C -31 4132
55	8.5	8.8W	8 25.011	-0.0023	13	-37 28 2.95	-0.008	13	0.26		25.043	15	36.2	2.84	21	36.2	A2	C8	2868	C -37 3362
56	7.9	8.2W	8 26.242	-0.0030	21	-31 1 16.23	-0.001	21	0.42		26.293	22	32.7	16.21	21	32.7	A0	C7	3194	C -30 4027
57	9.4	9.6W	8 32.331	-0.0025	21	-32 47 16.04	0.005	21	0.42		32.375	22	32.7	16.14	21	32.7	A2	C7	3195	C -32 3725
58		7.7T	8 41.132	-0.0003	13	-37 7 57.34	-0.048	12	0.66		41.148	18	99.9	54.87	19	98.6	K0	GC	9503	C*-37 3364
59	8.7	8.7W	8 45.480	-0.0011	13	-39 31 32.26	-0.016	13	0.26		45.495	15	36.2	32.04	21	36.2	F0	C8	2870	C -39 3122
60	9.1	7.9W	8 48.999	-0.0049	21	-31 18 53.13	-0.036	21	0.42		49.083	22	32.7	52.51	21	32.7	K2	C7	3197	C -31 4140
61	9.2	9.1W	8 54.019	-0.0026	13	-39 44 20.21	0.017	13	0.26		54.055	15	36.2	20.44	21	36.2	F0	C8	2871	C -39 3126
62	10.3	9.4W	8 58.821	0.0014	21	-34 57 30.54	-0.017	21	0.42		58.797	22	32.7	30.25	21	32.7	K0	C7	3198	C -34 3391
63	8.7	8.9W	9 0.446	-0.0018	13	-35 16 7.41	-0.027	13	0.26		0.471	15	36.2	7.04	21	36.2	A0	C8	2872	C -35 3385
64	9.4	9.6W	9 7.794	-0.0018	21	-32 32 39.99	0.009	21	0.42		7.825	22	32.7	40.14	21	32.7	A0	C7	3199	C -32 3736
65	10.1	9.5W	9 10.253	-0.0002	21	-34 52 44.43	0.030	21	0.42		10.257	22	32.7	44.95	21	32.7	G5	C7	3200	C -34 3395
66	10.4	9.1W	9 15.074	-0.0034	09	-35 20 39.34	-0.036	09	0.22		15.121	15	36.2	38.84	21	36.2	K0	C8	2873	C -35 3391
67	10.2	9.4W	9 18.272	-0.0007	21	-30 39 46.20	-0.017	21	0.42		18.283	22	32.7	45.91	21	32.7	G5	L C7	3201	C -30 4053
68		9.0R	9 24.073	-0.0006	20	-30 6 58.82	0.019	20	0.36		24.084	16	33.5	59.14	16	33.5	K0	M 13B	3708	J -29 4020
69	11.1	9.6W	9 24.674	-0.0040	21	-31 43 16.95	0.033	21	0.42		24.744	22	32.7	17.52	21	32.7		C7	3202	C -31 4152
70	7.4	7.9W	9 26.882	-0.0002	21	-34 18 20.40	-0.021	21	0.42		26.886	22	32.7	20.04	21	32.7	B8	C7	3203	C -34 3400
71	10.4	9.3W	9 29.944	-0.0053	21	-34 23 23.58	0.003	21	0.42		30.036	22	32.7	23.64	21	32.7	K0	L C7	3204	C -34 3402
72	9.7	10.0W	9 30.050	-0.0031	21	-32 9 11.78	-0.038	21	0.42		30.104	22	32.7	11.12	21	32.7	A0	L C7	3205	C -32 3739
73	10.4	9.4W	9 30.814	-0.0010	21	-30 28 44.72	0.009	21	0.42		30.832	22	32.7	44.88	21	32.7	K0	L C7	3206	C -30 4058
74	9.9	9.6W	9 32.768	-0.0062	21	-33 47 1.49	0.049	21	0.42		32.876	22	32.7	2.34	21	32.7	F5	C7	3207	C -33 3569
75	7.5	8.0W	9 33.342	-0.0016	13	-39 11 8.31	0.024	13	0.26		33.364	15	36.2	8.64	21	36.2	B9	C8	2874	C -39 3137
76	10.3	8.8W	9 33.877	-0.0022	21	-32 43 6.33	0.000	21	0.42		33.915	22	32.7	6.34	21	32.7	K5	C7	3208	C -32 3742
77	9.6	9.4W	9 36.971	-0.0036	21	-31 51 52.99	0.054	21	0.42		37.034	22	32.7	53.92	21	32.7	F5	L C7	3209	C -31 4156
78		6.8T	9 40.592	-0.0039	11	-39 1 5.10	0.048	08	0.51		40.795	18	98.2	7.63	15	97.1	A2	GC	9530	C*-38 3233
79	11.0	10.2W	9 47.214	-0.0016	21	-30 10 50.00	0.074	21	0.42		47.242	22	32.7	51.28	21	32.7	K0	L C7	3210	C -30 4070
80	10.0	9.0W	9 49.678	0.0002	21	-33 23 53.64	0.012	21	0.42		49.675	22	32.7	53.84	21	32.7	K2	C7	3211	C -33 3573
81	9.9	9.2W	9 49.942	-0.0051	08	-35 32 56.75	-0.124	08	0.21		50.012	15	36.2	55.05	21	36.2	G5	C8	2877	C -35 3398
82	9.0	9.2W	9 57.463	0.0007	18	-37 40 5.25	0.021	18	0.31		57.453	15	36.2	5.54	21	36.2	A0	C8	2878	C -37 3375
83		8.7T	9 57.963	-0.0003	11	-38 18 23.24	0.024	10	0.63		57.980	21	96.1	24.61	18	93.2	A0	GC	9540	C -38 3237
84	11.1	9.5W	9 59.546	0.0006	21	-32 43 10.83	0.012	21	0.43		59.535	22	32.2	11.04	21	32.2		C7	3212	C -32 3750
85	10.4	9.8W	10 0.235	0.0009	13	-36 30 15.44	0.000	13	0.26		0.223	15	36.2	15.44	21	36.2	K0	C8	2880	C -36 3417
86		6.2T	10 8.440	-0.0034	09	-30 44 12.70	0.013	08	0.49		8.622	14	96.8	13.44	15	92.8	A5	GC	9544	C -30 4081
87	9.2	8.6W	10 13.479	0.0010	21	-30 11 48.58	0.045	21	0.43		13.462	22	32.2	49.38	21	32.2	G5	C7	3214	C -30 4086
88	11.2	10.1W	10 18.247	0.0018	21	-33 13 34.77	-0.024	21	0.43		18.215	22	32.2	34.34	21	32.2		C7	3215	C -33 3583
89	9.8	9.9W	10 19.449	0.0005	13	-36 25 26.58	-0.017	13	0.26		19.442	15	36.2	26.34	21	36.2	A3	C8	2881	C -36 3420
90	9.2	9.2W	10 22.774	0.0014	09	-39 2 47.13	0.030	09	0.22		22.754	15	36.2	47.55	21	36.2	A2	C8	2882	C -38 3240
91	8.9	7.1W	10 30.028	0.0014	21	-31 53 49.00	-0.049	21	0.43		30.004	22	32.2	48.12	21	32.2	MA	C7	3216	C -31 4174
92		8.0T	10 31.315	-0.0024	12	-38 5 19.65	-0.021	12	0.62		31.434	21	00.8	18.59	19	99.6	G5	GC	9552	C -37 3380
93	9.1	9.2W	10 34.314	-0.0014	18	-37 12 54.43	0.001	18	0.31		34.333	15	36.2	54.44	21	36.2	A0	C8	2884	C -37 3379
94		6.0Q	10 39.107	-0.0024	09	-36 27 32.46	0.002	08	0.48		39.229	15	98.8	32.56	15	95.3	B5	GC	9555K	C*-36 3421
95	9.2	8.9W	10 39.950	-0.0047	21	-30 59 47.42	0.061	21	0.43		40.033	22	32.2	48.50	21	32.2	G0	C7	3217	C -30 4098
96	10.3	9.4W	10 42.754	-0.0039	21	-31 2 56.06	0.025	21	0.43		42.823	22	32.2	56.50	21	32.2	K0	L C7	3218	C -30 4101
97	10.0	8.5W	10 43.888	0.0007	21	-33 33 57.54	0.039	21	0.43		43.876	22	32.2	58.25	21	32.2	K5	C7	3219	C -33 3588
98		10.3T	10 46.923	0.0001	16	-36 8 9.52	-0.003	17	0.81		46.917	22	02.9	9.37	22	02.9		GC	9559	C -36 3425
99		7.9T	10 47.372	-0.0017	13	-36 8 55.82	0.009	11	0.65		47.456	17	00.1	56.27	17	99.2	A0	GC	9560	C -36 3426
00		9.2T	10 48.159	-0.0034	20	-36 8 6.34	0.025	17	0.88		48.315	21	03.6	7.51	21	02.7		GC	9561	C -36 3425

197700			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 7H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″	s	″ .01		″	″ .01							
1	9.7	9.6W	7 10 48.485	-0.0028	21	-32 48 12.08	0.015	21	0.43	48.535	22	32.2	12.34	21	32.2	FO	C7	3220	C -32 3770		
2	10.1	9.3W	10 34.324	-0.0004	21	-34 43 59.14	-0.011	21	0.43	34.317	22	32.2	58.95	21	32.2	KO	C7	3221	C -34 3419		
3	10.6	9.7W	10 55.452	-0.0011	21	-30 9 2.49	0.005	21	0.43	55.472	22	32.2	2.58	21	32.2	G5 L	C7	3222	C -30 4112		
4	9.5	9.4W	10 56.685	-0.0028	13	-39 28 31.54	-0.007	13	0.26	56.724	15	36.2	31.44	21	36.2	A5	C8	2887	C -39 3153		
5	9.2	9.3W	11 2.025	-0.0016	21	-32 25 24.08	-0.020	21	0.43	2.054	22	32.2	23.72	21	32.2	A0	C7	3223	C -32 3772		
6	7.2	7.8W	11 17.457	0.0002	21	-30 52 49.63	-0.041	21	0.43	17.453	22	32.2	48.90	21	32.2	B9	C7	3224	C#-30 4123		
7		9.0R	11 19.416	0.0001	20	-30 7 4.84	-0.012	20	0.36	19.414	16	33.5	4.65	16	33.5	K0 M	13B	3756	J -29 4070		
8	10.5	9.8W	11 20.817	-0.0009	21	-31 58 59.87	0.104	21	0.43	20.834	22	32.2	1.72	21	32.2	G5 L	C7	3225	C -31 4196		
9	10.2	8.6W	11 22.397	0.0017	21	-34 43 48.76	-0.012	21	0.43	22.367	22	32.2	48.55	21	32.2	K5	C7	3226	C -34 3427		
10	9.7	8.5W	11 22.543	-0.0029	21	-32 44 40.13	-0.017	21	0.43	22.595	22	32.2	39.84	21	32.2	K0	C7	3227	C -32 3777		
11	10.4	9.5W	11 25.495	-0.0032	21	-30 15 11.54	-0.015	21	0.43	25.552	22	32.2	11.28	21	32.2	K0 L	C7	3228	C -30 4127		
12	10.0	9.0W	11 26.073	-0.0001	13	-39 25 40.98	-0.003	13	0.26	26.074	15	36.2	40.94	21	36.2	K5	C8	2888	C -39 3161		
13	9.3	8.2W	11 27.834	-0.0006	21	-33 5 29.25	-0.000	21	0.43	27.845	22	32.2	29.24	21	32.2	G5	C7	3229	C -32 3782		
14	8.2	8.7W	11 36.539	-0.0014	21	-30 53 45.41	0.005	21	0.43	36.563	22	32.2	45.50	21	32.2		C7	3230	C#-30 4133		
15	9.6	9.7W	11 38.747	0.0009	10	-39 59 38.35	0.014	10	0.23	38.735	15	36.2	38.55	21	36.2	FO	C8	2889	C -39 3166		
16		7.3T	11 46.017	0.0002	13	-38 24 16.22	0.018	12	0.66	46.008	21	02.2	17.15	19	98.3	A2	GC	9594K	C#-38 3254		
17	10.2	9.9W	11 48.621	-0.0014	21	-34 6 43.37	-0.159	21	0.43	48.646	22	32.2	40.54	21	32.2	G0	C7	3231	C -33 3605		
18	10.9	9.8W	11 49.774	-0.0034	21	-32 42 31.55	-0.017	21	0.43	49.835	22	32.2	31.24	21	32.2	K0 L	C7	3232	C -32 3790		
19		6.5T	11 51.659	-0.0015	06	-30 59 48.41	-0.004	05	0.29	51.726	12	06.0	48.21	12	99.5	B3 L	GC	9598	C#-30 4143		
20	10.0	9.0W	11 53.715	-0.0016	21	-32 8 48.49	0.002	21	0.43	53.744	22	32.2	48.52	21	32.2	K0 L	C7	3234	C -32 3792		
21	9.9	8.3W	11 59.217	0.0019	13	-35 13 57.37	-0.038	13	0.26	59.191	15	36.2	56.84	21	36.2	K5	C8	2891	C -35 3426		
22		6.3T	12 0.648	-0.0015	12	-30 15 10.33	-0.008	09	0.59	0.728	18	97.6	9.90	17	93.8	B3	GC	9603	C#-30 4146		
23	10.1		12 1.198	-0.0002	13	-35 22 13.51	-0.056	13	0.26	1.201	15	36.2	12.74	21	36.2	F5	C8	2892	C -35 3427		
24	9.2	7.6W	12 4.121	-0.0008	21	-33 14 49.88	0.029	21	0.43	4.135	22	32.2	50.04	21	32.2	K2	C7	3236	C -33 3610		
25	8.3	8.4W	12 6.461	-0.0001	09	-35 59 45.22	-0.013	09	0.22	6.462	15	36.2	45.04	21	36.2	A3	C8	2893	C -35 3429		
26	10.7	9.4W	12 7.077	-0.0004	18	-37 51 13.25	0.014	18	0.31	7.082	15	36.2	13.45	21	36.2	K5	C8	2894	C -37 3393		
27	7.1	7.7W	12 7.952	0.0005	21	-31 33 20.52	-0.050	21	0.43	7.944	22	32.2	19.62	21	32.2	B9	C7	3237	C -31 4209		
28	10.3	9.4W	12 10.954	0.0008	13	-37 20 33.07	0.012	13	0.26	10.943	15	36.2	33.24	21	36.2	K0	C8	2895	C -37 3394		
29	9.6	8.3W	12 17.512	-0.0006	21	-32 21 12.50	-0.049	21	0.43	17.524	22	32.2	11.62	21	32.2	K0	C7	3238	C -32 3800		
30	9.3	9.2W	12 18.205	-0.0050	13	-38 55 52.85	0.021	13	0.26	18.274	15	36.2	53.14	21	36.2	F0	C8	2896	C -38 3256		
31	10.1	10.0W	12 25.219	-0.0024	09	-36 13 28.74	-0.036	09	0.22	25.252	15	36.2	28.24	21	36.2	F8	C8	2897	C -36 3450		
32	7.8	7.4W	12 27.122	0.0000	07	-36 20 22.12	0.009	07	0.21	27.122	15	36.2	22.25	21	36.2	F5	C8	2898	C -36 3451		
33	9.5	8.4W	12 33.139	0.0033	23	-36 57 45.09	-0.105	23	0.37	33.093	15	36.2	43.65	21	36.2	K0	C8	2899	C -36 3455		
34	8.7	8.8W	12 33.977	0.0007	21	-33 18 41.61	-0.054	21	0.43	33.965	22	32.2	40.64	21	32.2	A0	C7	3239	C -33 3615		
35	9.5	8.6W	12 35.009	0.0008	21	-33 28 58.00	-0.003	21	0.43	34.995	22	32.2	57.94	21	32.2	K0	C7	3240	C -33 3616		
36	7.5	7.8W	12 39.934	-0.0022	21	-31 24 20.22	-0.012	21	0.43	39.973	22	32.2	20.00	21	32.2	B9	C7	3241	C#-31 4224		
37	9.7	9.9W	12 40.734	-0.0014	09	-36 44 7.56	-0.001	09	0.22	40.753	15	36.2	7.54	21	36.2	A3	C8	2900	C -36 3456		
38		6.9T	12 40.757	-0.0075	10	-30 34 3.29	0.052	09	0.56	41.159	18	96.5	6.32	17	91.8	K0	GC	9619	C -30 4164		
39	8.7	9.2W	12 43.784	-0.0035	09	-36 4 48.64	-0.036	09	0.22	43.832	15	36.2	48.14	21	36.2	B8	C8	2901	C -35 3442		
40	8.4	7.9W	12 47.619	-0.0025	21	-32 28 30.47	0.031	21	0.43	47.664	22	32.2	31.02	21	32.2	G0	C7	3243	C -32 3807		
41	9.1	9.3W	12 51.300	-0.0030	13	-35 42 19.10	-0.033	13	0.26	51.342	15	36.2	18.65	21	36.2	A0	C8	2903	C -35 3443		
42	9.4	9.1W	12 52.368	-0.0069	18	-37 14 44.20	0.032	18	0.31	52.463	15	36.2	44.64	21	36.2	F5	C8	2904	C -37 3408		
43	8.4	8.7W	12 57.338	0.0012	13	-35 9 34.94	0.029	13	0.26	57.321	15	36.2	35.34	21	36.2	B8	C8	2906	C -35 3446		
44	10.9	10.1W	13 0.418	-0.0031	21	-31 56 56.07	-0.053	21	0.43	0.474	22	32.2	55.12	21	32.2	K0 L	C7	3244	C#-31 4235		
45		7.1T	13 1.298	0.0001	11	-37 9 25.97	0.001	10	0.56	1.294	18	00.4	26.02	17	00.5	B8	GC	9630	C -37 3411		
46	8.5	8.8W	13 2.614	0.0001	13	-36 16 16.51	-0.027	13	0.26	2.612	15	36.2	16.14	21	36.2	B8	C8	2908	C -36 3460		
47		9.0R	13 5.789	0.0001	20	-30 19 49.47	-0.020	20	0.36	5.787	16	33.5	49.15	16	33.5	K5 M	13B	3790	J -30 4176		
48	9.4	8.8W	13 6.922	-0.0041	21	-32 42 53.58	-0.002	21	0.43	6.995	22	32.2	53.54	21	32.2	G0	C7	3245	C -32 3813		
49	9.0	8.7W	13 7.727	-0.0031	21	-30 6 10.58	0.000	21	0.43	7.782	22	32.2	10.58	21	32.2	F5	C7	3246	C -29 4117		
50		8.0R	13 10.205	0.0012	18	-37 9 52.70	-0.001	18	0.84	10.153	22	05.6	52.65	24	05.6	B9	GC	9633	C -37 3412		
51	8.6	8.9W	7 13 11.237	0.0017	07	-36 54 47.26	0.006	07	0.21	11.273	15	36.2	47.34	21	36.2	A2	C8	2910	C -36 3461		
52	9.8	9.9W	13 13.262	-0.0028	13	-35 27 13.20	-0.019	13	0.26	13.301	15	36.2	12.94	21	36.2	F0	C8	2911	C -35 3453		
53	9.6	9.4W	13 19.297	0.0001	21	-34 19 15.92	-0.089	21	0.43	19.296	22	32.2	14.34	21	32.2	F5	C7	3247	C -34 3453		
54	10.3	9.1W	13 20.489	-0.0003	13	-38 29 33.61	-0.027	13	0.26	20.493	15	36.2	33.24	21	36.2	K2	C8	2914	C -38 3271		
55	6.9	7.4W	13 24.483	-0.0007	07	-36 8 14.19	-0.011	07	0.21	24.492	15	36.2	14.04	21	36.2	B9	C8	2915	C -36 3464		
56		5.3T	13 24.899	-0.0018	07	-30 35 52.28	0.011	07	0.33	24.976	12	07.7	52.78	12	04.6	B5	GC	9639	C#-30 4184		
57	9.7	8.6W	13 25.503	0.0017	21	-31 50 59.96	-0.075	21	0.43	25.474	22	32.2	58.62	21	32.2	K	C7	3249	C -31 4244		
58		9.3R	13 27.246	0.0005	20	-30 24 29.75	0.021	20	0.36	27.237	16	33.5	30.10	16	33.5	A0 J	13B	3797	J -30 4186		
59	9.0	9.2W	13 27.352	-0.0015	18	-37 56 5.55	0.007	18	0.31	27.372	15	36.2	5.64	21	36.2	A0	C8	2916	C -37 3418		
60	10.2	9.4W	13 29.711	-0.0001	13	-37 22 15.68	-0.010	13	0.26	29.713	15	36.2	15.55	21	36.2	G5	C8	2917	C -37 3419		
61	10.2	8.8W	13 29.959	-0.0026	13	-39 45 39.99	0.047	13	0.26	29.995	15	36.2	40.64	21	36.2	MA	C8	2918	C -39 3187		
62		7.7T	13 41.811	0.0018	17	-36 28 18.28	0.005	13	0.79	41.721	17	00.9	18.53	19	98.4	K5	GC	9645	C -36 3469		
63	10.0		13 41.985	-0.0050	18	-39 5 2.30	0.003	18	0.31	42.054	15	36.2	2.34	21	36.2	A5	C8	2920	C -38 3275		
64	9.3	8.9W	13 44.429	-0.0020	21	-32 59 21.38	-0.002	21	0.43	44.465	22	32.2	21.34	21	32.2	F8	C7	3250	C -32 3826		
65	9.7	9.8W	13 48.405	-0.0027	09	-35 49 48.99	0.011	09	0.22	48.442	15	36.2	49.14	21	36.2	A5	C8	2921	C -35 3463		
66	8.4	8.7W	13 49.553	-0.0007	09	-35 36 38.71	0.031	09	0.22	49.562	15	36.2	39.14	21	36.2	B9	C8	2922	C -35 3464		
67	9.7	9.7W	13 49.692	-0.0037	10	-38 1 30.01	-0.012	10	0.23	49.743	15	36.2	29.84	21	36.2	F0	C8	2923	C -37 3425		
68	8.4	8.9W	14 3.734	-0.0020	09	-35 43 30.72	-0.024	09	0.22	3.762	15	36.2	30.44	21	36.2	B9	C8	2925	C -35 3466		
69	10.0	9.3W	14 4.735	-0.0056	21	-32 31 2.90	0.014	21	0.43	4.835	22	32.2	3.14	21	32.2	G5 L	C7	3251	C -32 3828		
70		7.1T	14 10.281	-0.0005	13	-30 20 43.61	0.021	12	0.70	10.308	18	99.0	44.74	18	96.8	B5	GC	9665	C#-30 4205		
71	9.5	8.2W	14 11.354	-0.0021	21	-30 2 35.00	-0.035	21	0.43	11.392	22	32.2	34.38	21	32.2	K5	C7	3253	C -29 4144		
72	9.5	9.3W	14 14.803	-0.0019	21	-34 38 58.88	0.009	21	0.43	14.837	22	32.2	59.05	21	32.2	F2	C7	3254	C -34 3473		
73	9.2	9.2W	14 15.756	-0.0043	21	-32 14 51.04	-0.040	21	0.43	15.834	22	32.2	50.32	21	32.2	A3	C7	3255	C -32 3832		
74	8.5	8.9W	14 16.079	-0.0025	21	-31 10 58.40	0.006	21	0.43	16.123	22	32.2	58.50	21	32.2	B9	C7	3256	C -31 4255		
75	9.0	9.3W	14 16.133	-0.0063	21	-34 13 49.91	-0.021	21	0.43	16.246	22	32.2	49.54	21	32.2	A0	C7	3257	C -34 3474		
76	9.4	9.8W	14 20.275	-0.0005	13	-36 5 10.43	-0.028	13	0.26	20.282	15	36.2	10.05	21	36.2	A0	C8	2926	C -35 3469		
77	8.5	6.9W	14 25.169	-0.0008	21	-31 57 8.21	-0.055	21	0.43	25.184	22	32.2	7.22	21	32.2	K5	C7	3258	C -31 4270		
78	8.8	9.0W	14 29.647	-0.0012	13	-38 46 20.08	-0.039	13	0.26	29.664	15	36.2	19.54	21	36.2	A0	C8	2927	C -38 3284		
79	9.3	9.3W	14 31.321	-0.0001	09	-36 22 0.11	-0.027	09	0.22	31.322	15	36.2	59.74	21	36.2	A2	C8	2928	C -36 3478		
80	8.2	8.6W	14 31.775	0.0001	21	-31 11 38.41	0.050	21	0.43	31.773	22	32.2	39.30	21	32.2	A0	C7	3259	C -31 4275		
81	8.9	8.9W	14 34.139	-0.0003	09	-36 39 41.43	-0.021	09	0.22	34.143	15	36.2	41.14	21	36.2	A5	C8	2929	C -36 3480		
82	9.2	9.0W	14 40.493	-0.0007	23	-36 52 10.29	-0.047	23	0.37	40.503	15	36.2	9.64	21	36.2	F5	C8	2930	C -36 3481		
83	9.7	10.0W	14 41.745	-0.0005	09	-35 48 7.14	-0.022	09	0.22	41.752	15	36.2	6.84	21	36.2	B9	C8	2932	C -35 3476		
84	10.0	9.1W	14 47.600	-0.0012	21	-30 8 29.40	-0.007	21	0.43	47.622	22	32.2	29.28	21	32.2	G5 L	C7	3260	C -30 4224		
85		5.8T	14 47.998	-0.0019	07	-38 13 43.55	0.003	06	0.30	48.078	12	08.2	43.69	12	03.1	B3	GC	9685	C -38 3288		
86	8.6	7.9W	14 50.814	-0.0010	21	-30 12 43.48	0.073	21	0.43	50.832	22	32.2	44.78	21	32.2	G5	C7	3261	C -30 4226		
87	9.5	9.4W	14 55.544	-0.0008	13	-39 30 44.10	-0.033	13	0.26	55.555	15	36.2	43.64	21	36.2	A2	C8	2934	C -39 3202		
88		8.0T	15 1.150	0.0014	14	-30 48 59.17	-0.018	13	0.73	1.080	18	99.1	58.23	18	97.9		GC	9693K	C -30 4233		
89		6.2T	15 1.188	-0.0000	11	-30 48 21.13	-0.023	11	0.63	1.189	17	95.4	19.82	17	92.9	A5	GC	9694K	C -30 4234		
90		5.0T	15 2.565	-0.0005	06	-36 30 8.29	-0.004	05	0.25	2.586	09	10.2	8.11	09	06.5	B3	GC	9696	C#-36 3485		
91	7.5	7.9W	15 7.940	-0.0031	21	-32 57 20.23	0.012	21	0.43	7.995	22	32.2	20.44	21	32.2	B9	C7	3264	C -32 3847		
92	9.3	9.2W	15 8.254	0.0008	10	-38 0 8.82	-0.013	10	0.23	8.243	15	36.2	8.64	21	36.2	A3	C8	2936	C -37 3443		
93	9.3	8.5W	15 11.138	-0.0030	21	-30 19 23.54	0.008	21	0.43	11.192	22	32.2	23.68	21	32.2	G5	C7	3265	C -30 4237		
94		8.1T	15 19.375	-0.0025	15	-37 1 21.11	0.019	10	0.62	19.491	18	03.9	22.04	17	00.8	B9	GC	9704	C -36 3487		
95		2.7H	15 22.550	-0.0010	02	-37 0 23.90	0.003	02	0.08	22.591	04	10.1	24.04	04	10.2	K5	F4	278	C -36 3489		
96	8.0	8.4W	15 24.807	0.0010	13	-36 45 2.39	0.004	13	0.26	24.793	15	36.2	2.44	21	36.2	B9	C8	2939	C -36 3488		
97	9.4	9.6W	15 27.361	-0.0015	09	-35 10 53.30	-0.033	09	0.22	27.381	15	36.2	52.84	21	36.2	A0	C8	2940	C -35 3485		
98		9.1R	15 31.491	-0.0023	20	-30 27 19.19	-0.048	20	0.36	31.528	16	33.5	18.41	16	33.5	K0 M	13B	3841	J -30 4244		
99	10.7	9.3W	15 31.645	-0.0010	21	-31 41 31.61	0.001	21	0.43	31.664	22	32.2	31.62	21	32.2	K5 L	C7	3266	C -31 4295		
00	9.3	9.5W	15 32.202	-0.0024	21	-32 47 27.47	0.010	21	0.43	32.245	22	32.2	27.64	21	32.2	A0	C7	3267	C -32 3853		

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.0	10.0W	7 15 34.333	-0.0014	09	-36 11 48.76	-0.074	09	0.22	34.352	15	36.2	47.74	21	36.2	F0		C8	2942	C -36 3490
2	10.6	9.6W	15 34.360	-0.0054	21	-34 4 10.12	0.001	21	0.43	34.456	22	32.2	10.15	21	32.2	K0		C7	3268	C -33 3667
3	10.1	8.9W	15 39.296	-0.0047	13	-35 5 42.92	-0.013	13	0.26	39.361	15	36.2	42.74	21	36.2	K0		C8	2944	C -34 3497
4	7.5	8.1W	15 40.990	-0.0009	09	-36 53 42.21	-0.012	09	0.22	41.003	15	36.2	42.04	21	36.2	B8		C8	2945	C -36 3494
5	10.6	9.0W	15 41.060	-0.0002	21	-32 1 32.46	-0.036	21	0.43	41.064	22	32.2	31.82	21	32.2	K5	L	C7	3269	C -31 4302
6		7.0T	15 43.123	-0.0016	15	-38 56 0.69	0.008	10	0.68	43.200	22	02.4	1.12	19	94.7	B8		GC	9714	C -38 3301
7		6.8T	15 43.709	-0.0027	13	-38 49 22.32	0.048	10	0.61	43.838	21	02.5	24.86	18	96.8	K2		GC	9715	C -38 3302
8	8.2	8.3W	15 46.932	-0.0009	13	-38 37 5.19	0.004	13	0.26	46.944	15	36.2	5.24	21	36.2	A2		C8	2948	C -38 3303
9	8.0	8.4W	15 47.037	-0.0004	10	-37 7 8.80	0.003	10	0.23	47.043	15	36.2	8.84	21	36.2	B8		C8	2949	C -36 3495
10	9.0	9.2W	15 55.932	-0.0016	13	-39 25 9.13	0.015	13	0.26	55.953	15	36.2	9.34	21	36.2	A0		C8	2950	C -39 3218
11	9.2	8.6W	15 58.398	-0.0076	21	-31 36 7.40	-0.100	21	0.43	58.534	22	32.2	5.62	21	32.2	G5		C7	3270	C -31 4313
12	10.4	9.0W	15 59.325	-0.0027	09	-36 3 5.57	-0.067	09	0.22	59.362	15	36.2	4.64	21	36.2	K5		C8	2951	C -35 3492
13	10.4	8.9W	0 1.166	-0.0050	21	-33 21 9.70	0.031	21	0.43	0.255	22	32.2	10.24	21	32.2	K5		C7	3271	C -33 3674
14	8.0	8.3W	16 1.933	-0.0001	21	-32 42 5.73	-0.044	21	0.43	1.935	22	32.2	4.94	21	32.2	A2		C7	3272	C -32 3861
15	7.7	8.2W	16 4.497	-0.0004	07	-37 4 4.87	-0.002	07	0.21	4.503	15	36.2	4.84	21	36.2	B8		C8	2952	C -36 3502
16	7.5	8.0W	16 6.636	-0.0021	21	-30 50 45.04	0.043	21	0.43	6.673	22	32.2	45.80	21	32.2	A0		C7	3273	C -30 4260
17	7.9	8.3W	16 7.653	-0.0022	21	-30 21 40.92	-0.008	21	0.43	7.692	22	32.2	40.78	21	32.2	A0		C7	3274	C -30 4259
18	10.5	9.3W	16 14.172	-0.0023	21	-31 56 57.57	-0.008	21	0.43	14.214	22	32.2	57.42	21	32.2	K2	L	C7	3275	C -31 4317
19	8.6	9.0W	16 16.755	-0.0027	09	-35 31 20.45	-0.008	09	0.22	16.792	15	36.2	20.35	21	36.2	B8		C8	2953	C -35 3497
20	9.6	9.0W	16 21.024	-0.0085	21	-33 22 21.38	0.003	21	0.43	21.175	22	32.2	21.44	21	32.2	G5		C7	3276	C -33 3679
21	9.2	9.1W	16 22.184	-0.0013	13	-35 43 29.92	0.023	13	0.26	22.202	15	36.2	30.24	21	36.2	F2		C8	2954	C -35 3498
22	9.4	9.7W	16 24.623	0.0011	21	-30 43 24.07	0.030	21	0.43	24.603	22	32.2	24.61	21	32.2	A0	L	C7	3277	C -30 4269
23	8.9	9.2W	16 30.266	-0.0038	21	-32 11 7.40	-0.004	21	0.43	30.334	22	32.2	7.32	21	32.2	A0		C7	3278	C -32 3871
24		4.7T	16 31.676	-0.0008	06	-36 38 30.49	-0.001	05	0.29	31.713	12	05.3	30.44	12	00.0	B3		GC	9733	C*-36 3512
25	8.9	8.0W	16 32.199	0.0003	09	-39 59 27.58	-0.003	09	0.22	32.195	15	36.2	27.54	21	36.2	K0		C8	2956	C -39 3226
26	9.9	9.7W	16 33.802	-0.0000	21	-30 18 55.06	0.057	21	0.43	33.802	22	32.2	56.08	21	32.2	F2	L	C7	3279	C -30 4273
27		6.9T	16 37.031	-0.0032	11	-30 42 23.44	-0.004	09	0.57	37.203	18	96.4	23.21	17	91.6	B3		GC	9735K	C*-30 4276
28		6.8T	16 38.151	-0.0025	17	-32 15 15.62	0.010	13	0.78	38.272	19	01.7	16.13	18	97.4	B9		GC	9737	C -32 3873
29	10.0	10.1W	16 38.868	-0.0090	13	-36 8 44.84	-0.029	13	0.26	38.992	15	36.2	44.44	21	36.2	A2		C8	2957	C -36 3513
30	9.3	9.4W	16 39.834	-0.0014	18	-37 28 53.95	-0.022	18	0.31	39.853	15	36.2	53.65	21	36.2	A2		C8	2958	C -37 3458
31	10.8	9.3W	16 41.171	-0.0035	21	-32 3 33.79	-0.065	21	0.43	41.234	22	32.2	32.62	21	32.2	K2	L	C7	3282	C -31 4326
32	7.8	8.1W	16 45.696	-0.0027	10	-36 40 36.90	-0.048	10	0.23	45.733	15	36.2	36.24	21	36.2	A0		C8	2960	C*-36 3516
33	7.8	8.1W	16 45.768	0.0025	06	-36 40 35.81	0.031	06	0.20	45.733	15	36.2	36.24	21	36.2	A0		C8	2959	C*-36 3516
34	10.3	9.1W	16 46.671	0.0006	13	-36 48 4.92	0.009	13	0.26	46.663	15	36.2	5.04	21	36.2	K0		C8	2961	C -36 3517
35	8.0	8.2W	16 48.713	0.0005	21	-31 8 2.50	-0.050	21	0.43	48.703	22	32.2	1.60	21	32.2	A0		C7	3283	C -30 4283
36		5.2T	16 51.194	0.0002	06	-39 7 4.40	0.005	05	0.27	51.187	12	09.3	4.63	12	02.4	A2		GC	9743	C*-38 3309
37		5.1T	16 51.454	-0.0007	07	-36 39 0.67	0.001	05	0.30	51.485	12	07.5	0.71	12	01.6	B3		GC	9746	C*-36 3519
38	7.9	8.5W	16 52.358	0.0004	09	-37 7 57.20	0.003	09	0.22	52.353	15	36.2	57.24	21	36.2	B5		C8	2964	C -36 3521
39	10.6	9.9W	17 11.446	0.0017	23	-36 52 31.38	-0.032	23	0.37	11.423	15	36.2	30.94	21	36.2	K0		C8	2966	C -36 3525
40	7.5	7.8W	17 17.157	-0.0010	13	-35 5 29.13	-0.014	13	0.26	17.171	15	36.2	28.94	21	36.2	B9		C8	2967	C -34 3517
41		9.0R	17 20.527	-0.0012	17	-30 8 57.82	-0.018	17	0.31	20.548	16	33.5	57.53	16	33.5	A5	M	13B	3881	J -30 4295
42		6.4T	17 21.961	-0.0016	07	-33 38 1.68	-0.012	06	0.29	22.026	10	08.8	1.18	12	06.1	K0		GC	9761	C*-33 3696
43		7.0T	17 24.007	-0.0016	12	-37 56 43.26	0.022	09	0.60	24.092	19	97.5	44.54	18	91.5	K0		GC	9762	C -37 3466
44	7.7	8.2W	17 24.864	-0.0057	09	-36 4 26.32	-0.013	09	0.22	24.942	15	36.2	26.15	21	36.2	B9		C8	2969	C -35 3510
45	8.7	9.1W	17 25.970	-0.0021	21	-34 44 59.34	-0.039	21	0.43	26.007	22	32.2	58.65	21	32.2	B9		C7	3285	C -34 3519
46	8.2	8.5W	17 26.357	-0.0026	10	-37 13 36.58	-0.010	10	0.23	26.393	15	36.2	36.44	21	36.2	A0		C8	2970	C -37 3467
47		9.0R	17 27.704	0.0012	17	-30 26 39.03	0.033	17	0.31	27.684	16	33.5	39.58	16	33.5	K0	M	13B	3882	J -30 4299
48	8.8	8.4W	17 29.233	0.0020	21	-34 56 37.57	-0.097	21	0.43	29.197	22	32.2	35.85	21	32.2	G5		C7	3286	C -34 3521
49	10.3	9.3W	17 33.540	-0.0023	23	-35 41 45.92	-0.071	23	0.37	33.572	15	36.2	44.94	21	36.2	K0		C8	2971	C -35 3512
50	7.4	7.8W	17 41.631	-0.0009	06	-37 24 47.93	-0.035	06	0.20	41.643	15	36.2	47.44	21	36.2	B8		C8	2973	C -37 3470
51	9.2	8.3W	7 17 43.476	-0.0045	21	-34 9 31.62	-0.016	21	0.43	43.556	22	32.2	31.34	21	32.2	K0		C7	3287	C -34 3525
52	9.5	9.9W	17 51.496	-0.0034	18	-38 29 35.20	-0.019	18	0.31	51.543	15	36.2	34.94	21	36.2	B9		C8	2974	C -38 3322
53	8.5	8.8W	17 54.829	0.0004	18	-37 43 44.22	0.009	18	0.31	54.823	15	36.2	44.35	21	36.2	A0		C8	2975	C -37 3478
54	10.5	9.4W	17 58.319	-0.0025	21	-32 14 43.01	0.001	21	0.43	58.364	22	32.2	43.02	21	32.2			C7	3289	C -32 3893
55	8.6	8.4W	17 58.369	0.0014	21	-30 31 51.47	0.041	21	0.43	58.343	22	32.2	52.20	21	32.2	F8		C7	3288	C -30 4312
56	9.4	9.7W	17 59.754	-0.0013	13	-36 2 9.82	-0.042	13	0.26	59.772	15	36.2	9.24	21	36.2	A0		C8	2976	C -35 3520
57	9.1	9.2W	18 2.032	-0.0029	21	-32 20 3.82	-0.000	21	0.43	2.084	22	32.2	3.82	21	32.2	B9		C7	3290	C -32 3894
58	9.7	9.9W	18 2.111	0.0006	13	-36 53 41.89	0.033	13	0.26	2.103	15	36.2	42.34	21	36.2	A3		C8	2977	C -36 3529
59	9.9	8.8W	18 5.936	0.0042	21	-30 7 47.03	0.003	21	0.43	5.862	22	32.2	47.08	21	32.2	K2	L	C7	3291	C -29 4241
60	9.7	9.0W	18 7.417	0.0017	21	-34 58 42.81	-0.015	21	0.43	7.387	22	32.2	42.55	21	32.2	G5		C7	3292	C -34 3530
61	7.8	8.1W	18 11.055	-0.0012	21	-33 30 2.89	0.014	21	0.43	11.076	22	32.2	3.14	21	32.2	A0		C7	3293	C -33 3707
62	8.5	8.5W	18 21.869	-0.0010	21	-34 59 28.75	0.005	21	0.43	21.887	22	32.2	28.85	21	32.2	A3		C7	3294	C -34 3532
63	8.9	8.9W	18 21.979	-0.0014	21	-31 6 44.25	-0.008	21	0.43	22.003	22	32.2	44.10	21	32.2	A2		C7	3295	C -30 4329
64	10.2	10.0W	18 24.397	0.0011	23	-35 45 49.41	-0.012	23	0.37	24.382	15	36.2	49.24	21	36.2	G0		C8	2978	C -35 3526
65	10.4	9.4W	18 24.949	-0.0008	21	-32 6 9.64	-0.001	21	0.43	24.964	22	32.2	9.62	21	32.2	K0	L	C7	3296	C -31 4373
66	9.6	9.3W	18 26.087	-0.0014	21	-30 10 55.37	-0.011	21	0.43	26.112	22	32.2	55.18	21	32.2	F8	L	C7	3297	C -30 4330
67	9.2	9.6W	18 27.010	-0.0040	13	-39 37 3.96	-0.016	13	0.26	27.065	15	36.2	3.74	21	36.2	B9		C8	2979	C -39 3243
68	10.1	9.2W	18 29.312	-0.0043	13	-35 22 13.59	-0.018	13	0.26	29.371	15	36.2	13.35	21	36.2	K0		C8	2980	C -35 3527
69	9.4	8.6W	18 29.656	-0.0021	21	-31 33 36.71	0.029	21	0.43	29.694	22	32.2	37.22	21	32.2	G5		C7	3298	C -31 4375
70	9.0	9.0W	18 32.220	-0.0024	21	-32 4 35.25	0.004	21	0.43	32.264	22	32.2	35.32	21	32.2	A3		C7	3299	C -31 4378
71	8.9	8.7W	18 33.619	-0.0009	21	-33 27 16.23	-0.010	21	0.43	33.635	22	32.2	16.04	21	32.2	F5		C7	3300	C -33 3713
72	9.9	9.3W	18 45.973	-0.0022	13	-36 49 21.43	-0.035	13	0.26	46.003	15	36.2	20.94	21	36.2	G5		C8	2981	C -36 3538
73	8.9	9.2W	18 46.718	-0.0010	21	-34 4 30.54	-0.017	21	0.43	46.736	22	32.2	30.24	21	32.2	B9		C7	3301	C -33 3717
74	10.6	9.0W	18 53.175	-0.0034	21	-33 45 9.21	-0.004	21	0.43	53.236	22	32.2	9.14	21	32.2	K2		C7	3302	C -33 3719
75	9.3	8.7W	18 55.557	-0.0020	21	-31 56 47.21	-0.016	21	0.43	55.594	22	32.2	46.92	21	32.2	F5		C7	3303	C -31 4386
76		7.3T	18 56.440	-0.0017	13	-32 22 54.14	-0.006	10	0.61	56.523	17	01.3	53.82	18	98.9	K0		GC	9806	C -32 3910
77	10.1	9.4W	18 57.843	-0.0007	21	-34 4 46.31	-0.032	21	0.43	57.856	22	32.2	45.74	21	32.2	G5		C7	3305	C -33 3720
78	10.6	9.5W	18 59.181	-0.0007	21	-30 47 30.87	0.002	21	0.43	59.193	22	32.2	30.90	21	32.2	K0	L	C7	3306	C -30 4347
79	8.5	8.5W	8.127	-0.0015	21	-30 46 11.66	0.008	21	0.43	8.153	22	32.2	11.81	21	32.2	F0		C7	3307	C -30 4357
80	9.7	9.7W	19 8.904	-0.0014	18	-38 15 56.12	-0.006	18	0.31	8.923	15	36.2	56.04	21	36.2	A5		C8	2982	C -38 3332
81	9.2	8.0W	19 19.890	-0.0003	21	-34 9 37.27	-0.013	21	0.43	19.896	22	32.2	37.05	21	32.2	K2		C7	3308	C -34 3544
82	9.0	9.3W	19 21.319	-0.0002	21	-31 55 52.60	-0.021	21	0.43	21.324	22	32.2	52.22	21	32.2	B9		C7	3309	C -31 4396
83	7.8	8.0W	19 26.053	-0.0006	13	-35 24 3.14	-0.036	13	0.26	26.061	15	36.2	2.64	21	36.2	A0		C8	2983	C -35 3538
84	10.4	9.5W	19 27.137	-0.0010	21	-32 49 22.55	-0.007	21	0.43	27.155	22	32.2	22.44	21	32.2	K0		C7	3310	C -32 3920
85	8.2	8.7W	19 29.443	-0.0044	21	-30 23 32.66	0.029	21	0.43	29.522	22	32.2	33.18	21	32.2	A0		C7	3311	C -30 4370
86	9.6	9.4W	19 31.646	-0.0012	13	-35 40 19.08	-0.017	13	0.26	31.662	15	36.2	18.84	21	36.2	F5		C8	2984	C -35 3539
87	9.3	8.9W	19 36.474	-0.0010	21	-30 0 30.45	0.013	21	0.43	36.492	22	32.2	30.68	21	32.2			C7	3312	C -29 4272
88	10.0	9.4W	19 37.732	-0.0014	13	-35 11 58.98	0.012	13	0.26	37.751	15	36.2	59.14	21	36.2	G5		C8	2985	C -35 3540
89	8.6	8.7W	19 37.804	0.0006	21	-30 58 37.21	0.022	21	0.43	37.793	22	32.2	37.60	21	32.2	A2		C7	3313	C -30 4372
90	8.6	7.8W	19 44.335	-0.0034	21	-33 54 51.79	0.025	21	0.43	44.396	22	32.2	52.24	21	32.2	K0		C7	3314	C -33 3733
91	9.0	9.3W	19 48.436	0.0010	13	-36 20 57.67	-0.009	13	0.26	48.422	15	36.2	57.54	21	36.2	B9		C8	2986	C -36 3549
92	8.0	8.4W	19 49.196	0.0003	07	-36 23 53.45	0.007	07	0.21	49.192	15	36.2	53.55	21	36.2	B8		C8	2987	C -36 3550
93	9.1	8.0W	19 54.504	-0.0005	09	-35 20 29.08	-0.017	09	0.22	54.511	15	36.2	28.84	21	36.2	K0		C8	2988	C -35 3545
94	9.7	10.0W	19 59.019	-0.0017	09	-36 28 45.33	0.030	09	0.22	59.042	15	36.2	45.74	21	36.2	A2	L	C8	2989	C -36 3553
95	8.8	8.9W	20 0.631	-0.0087	21	-34 28 34.12	0.029	21	0.43	0.786	22	32.2	34.64	21	32.2	F8		C7	3315	C -34 3552
96	8.5	8.8W	20 3.072	-0.0023	21	-32 5 41.89	-0.015	21	0.43	3.114	22	32.2	41.62	21	32.2	A0		C7	3316	C -31 4414
97	9.4	9.2W	20 3.562	-0.0028	09	-35 12 26.39	-0.025	09	0.22	3.601	15	36.2	26.04	21	36.2	F5		C8	2990	C -35 3549
98	8.1	8.4W	20 6.031	-0.0001	09	-36 31 54.48	-0.032	09	0.22	6.033	15	36.2	54.04	21	36.2	B8		C8	2991	C -36 3554
99		7.6T	20 13.553	-0.0019	15	-38 50 26.43	0.022	12	0.68	13.641	24	04.0	27.51	22	00.8	F8		GC	9840	C -38 3344
00		7.0T	20 14.580	-0.0000	10	-32 29 26.59	0.002	09	0.57	14.580	18	95.4	26.69	17	92.5	A0		GC	9841	C -32 3934

197900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	7.9	8.3W	7 20 14.766	0.0003	09	-36 25 17.21	-0.019	09	0.22	14.762	15	36.2	16.94	21	36.2	B8		C8	2954	C -36 3557
2		8.2T	20 16.054	-0.0035	15	-31 56 8.60	0.040	12	0.69	16.224	18	01.6	10.55	18	00.8	K2		GC	9842	C -31 4429
3	9.6	9.5W	20 17.903	-0.0058	13	-37 50 12.61	-0.027	13	0.26	17.983	15	36.2	12.24	21	36.2	F8		C8	2955	C -37 3508
4	8.7	8.9W	20 22.927	-0.0009	21	-32 29 54.23	-0.006	21	0.43	22.944	22	32.2	54.12	21	32.2	B9		C7	3319	C -32 3937
5	9.8	8.7W	20 27.301	-0.0047	21	-33 16 18.52	-0.015	21	0.43	27.385	22	32.2	18.24	21	32.2	G5		C7	3320	C -33 3743
6		8.8T	20 27.999	-0.0022	14	-35 49 21.42	0.110	13	0.71	28.105	19	01.2	26.92	21	99.9			GC	9845K	C -35 3551
7		7.5T	20 28.199	-0.0023	12	-35 49 14.21	0.096	11	0.64	28.317	19	98.0	19.39	18	96.0	F8		GC	9846K	C -35 3551
8	9.3	9.6W	20 28.645	-0.0048	13	-35 5 25.40	-0.004	13	0.26	28.711	15	36.2	25.34	21	36.2	A0		C8	2999	C -34 3557
9		9.2R	20 29.446	0.0013	17	-30 18 57.40	-0.050	17	0.31	29.425	16	33.5	56.57	16	33.5	G5	M 13B	3935	J -30 4390	
10		8.4T	20 33.561	0.0004	15	-38 46 56.84	-0.143	11	0.68	33.543	22	02.6	49.47	22	98.5	G0		GC	9847	C -38 3347
11	10.1	8.6W	20 34.253	-0.0005	21	-30 19 25.64	0.013	21	0.43	34.262	22	32.2	25.88	21	32.2	K5	L	C7	3321	C -30 4391
12	9.7	8.5W	20 36.823	-0.0124	06	-39 9 20.90	-0.062	06	0.20	36.994	15	36.2	20.04	21	36.2	K0		C8	3002	C -39 3289
13	9.5	9.5W	20 39.099	-0.0010	18	-37 7 26.37	-0.038	18	0.31	39.113	15	36.2	25.84	21	36.2	F0		C8	3003	C -36 3563
14		6.6T	20 41.114	-0.0003	09	-31 56 56.49	0.004	07	0.48	41.131	15	94.8	56.71	15	90.1	B5		GC	9852	C -31 4430
15	9.4	9.0W	20 43.149	-0.0008	21	-31 8 53.24	0.026	21	0.43	43.163	22	32.2	53.70	21	32.2	K0		C7	3323	C -31 4429
16	9.3	9.3W	20 46.236	-0.0005	13	-36 38 46.92	0.009	13	0.26	46.243	15	36.2	47.04	21	36.2	F0		C8	3004	C -36 3565
17	9.4	9.4W	20 46.360	-0.0004	21	-34 39 20.07	0.004	21	0.43	46.367	22	32.2	20.15	21	32.2	A2		C7	3324	C -34 3561
18	10.0	9.1W	20 47.786	-0.0028	21	-33 59 57.87	-0.030	21	0.43	47.836	22	32.2	57.34	21	32.2	K6		C7	3325	C -33 3746
19	9.8	8.8W	20 49.648	0.0017	10	-39 1 13.36	-0.001	10	0.23	49.624	15	36.2	13.34	21	36.2	K0		C8	3005	C -38 3349
20	9.5	8.7W	20 49.726	0.0002	09	-36 57 6.11	-0.034	09	0.22	49.723	15	36.2	5.64	21	36.2	K0		C8	3006	C -36 3568
21	8.9	9.0W	20 55.002	-0.0024	21	-33 21 19.33	-0.027	21	0.43	55.045	22	32.2	18.84	21	32.2	A0		C7	3326	C -33 3748
22	10.2	9.3W	20 58.063	-0.0029	13	-36 39 23.60	0.025	13	0.26	58.103	15	36.2	23.94	21	36.2	K0		C8	3008	C -36 3571
23	9.1	9.2W	20 58.329	-0.0009	21	-32 41 15.86	0.005	21	0.42	58.345	22	32.7	15.94	21	32.7	A2		C7	3327	C -32 3944
24	8.2	8.3W	21 4.590	-0.0009	09	-36 58 44.26	-0.001	09	0.22	4.603	15	36.2	44.24	21	36.2	F0		C8	3009	C -36 3572
25		5.4T	21 5.876	-0.0015	06	-31 49 34.61	0.002	05	0.28	5.945	12	04.3	34.70	12	98.5	B5		GC	9862	C*-31 4437
26	9.7	9.0W	21 8.810	-0.0038	21	-33 47 54.56	0.045	21	0.42	8.876	22	32.7	55.35	21	32.7	K0		C7	3329	C -33 3751
27	7.8	8.3W	21 20.729	-0.0020	21	-31 56 56.74	-0.018	21	0.42	20.764	22	32.7	56.42	21	32.7	B8		C7	3330	C -31 4445
28	10.6		21 23.860	-0.0060	18	-38 14 59.47	-0.089	18	0.31	23.943	15	36.2	58.24	21	36.2	A5		C8	3010	C -38 3351
29	8.2	8.5W	21 23.994	-0.0014	09	-36 43 15.50	-0.004	09	0.22	24.013	15	36.2	15.44	21	36.2	B9		C8	3011	C -36 3575
30	9.7	9.4W	21 25.944	-0.0020	23	-35 58 51.41	-0.034	23	0.37	25.972	15	36.2	50.94	21	36.2	G0		C8	3012	C -35 3561
31	9.3	8.4W	21 26.731	0.0020	09	-36 55 58.75	0.007	09	0.22	26.703	15	36.2	58.85	21	36.2	K2	L C8	3013	C -36 3576	
32		7.9T	21 28.198	-0.0027	13	-38 59 35.43	-0.000	11	0.67	28.331	22	01.0	35.42	19	96.6	F0		GC	9871	C -38 3353
33		9.1R	21 30.952	-0.0022	20	-30 16 51.19	0.002	20	0.36	30.988	16	33.5	51.22	16	33.5	G5	M 13B	3956	J -30 4424	
34		6.7T	21 31.832	0.0002	12	-36 14 32.50	-0.014	11	0.64	31.821	19	98.7	31.73	19	95.3	B5		GC	9873	C -36 3578
35	8.2	8.5W	21 34.518	-0.0010	09	-35 41 28.71	-0.027	09	0.22	34.532	15	36.2	28.34	21	36.2	B9		C8	3016	C -35 3562
36	9.1	9.0W	21 35.513	-0.0023	21	-31 40 13.19	-0.056	21	0.42	35.554	22	32.7	12.22	21	32.7	F2		C7	3331	C -31 4451
37	9.1	9.2W	21 37.168	-0.0027	21	-33 27 33.25	-0.000	21	0.42	37.215	22	32.7	33.24	21	32.7	A0		C7	3332	C -33 3760
38		5.5T	21 37.462	-0.0011	05	-32 6 14.47	0.002	05	0.26	37.532	10	04.6	14.55	10	02.1	B3		GC	9877	C*-31 4454
39	7.6	8.0W	21 38.831	-0.0013	21	-31 12 6.40	-0.017	21	0.42	38.853	22	32.7	6.11	21	32.7	B9		C7	3334	C -31 4453
40	8.4	7.5W	21 41.271	0.0009	21	-34 25 9.33	-0.034	21	0.42	41.256	22	32.7	8.74	21	32.7	K0		C7	3335	C -34 3570
41		7.0T	21 43.300	-0.0042	10	-30 21 4.57	0.023	09	0.53	43.523	15	97.3	5.87	18	93.8	A2		GC	9880	C -30 4427
42	9.8	9.7W	21 51.012	-0.0029	09	-35 39 59.14	0.007	09	0.22	51.052	15	36.2	59.24	21	36.2	F5		C8	3018	C -35 3567
43	8.8	8.5W	21 56.195	-0.0000	21	-33 23 10.47	-0.031	21	0.42	56.195	22	32.7	9.94	21	32.7	G0		C7	3337	C -33 3765
44		6.6T	21 56.978	-0.0018	11	-30 7 6.23	0.007	09	0.56	57.077	17	95.7	6.66	17	92.1	B3		GC	9883	C*-29 4322
45	9.5	9.9W	21 58.345	-0.0045	21	-31 57 20.25	-0.007	21	0.42	58.424	22	32.7	20.12	21	32.7			C7	3339	C -31 4462
46	8.3	8.4W	22 7.207	-0.0004	07	-36 52 1.31	-0.012	07	0.21	7.213	15	36.2	1.14	21	36.2	A0		C8	3019	C -36 3585
47	9.4	9.9W	22 7.818	-0.0040	18	-37 11 13.96	-0.001	18	0.31	7.873	15	36.2	13.94	21	36.2			C8	3020	C -37 3539
48	8.0	8.4W	22 8.606	-0.0033	21	-32 3 37.07	0.003	21	0.42	8.664	22	32.7	37.12	21	32.7	B8		C7	3340	C -31 4469
49	9.1	7.7W	22 8.957	-0.0015	21	-31 47 40.19	0.008	21	0.42	8.984	22	32.7	40.32	21	32.7	K		C7	3341	C -31 4468
50		7.1T	22 8.968	-0.0024	12	-39 26 20.67	-0.011	09	0.61	9.089	21	00.1	20.04	18	93.9	K0		GC	9868	C -39 3284
51		6.3T	7 22 9.633	-0.0020	12	-35 44 21.08	0.016	12	0.66	9.732	21	99.8	21.91	19	97.3	B8		GC	9889K	C*-35 3569
52	8.4	8.7W	22 11.691	-0.0013	21	-31 55 41.03	0.034	21	0.42	11.714	22	32.7	41.62	21	32.7	B9		C7	3342	C -31 4471
53	9.1	9.1W	22 16.332	0.0021	18	-36 34 12.82	-0.006	18	0.31	16.303	15	36.2	12.74	21	36.2	A2		C8	3023	C -36 3586
54		9.1R	22 18.374	-0.0033	20	-30 2 22.15	-0.029	20	0.36	18.429	16	33.5	21.68	16	33.5	A2	J 13B	3979	J -29 4335	
55	9.4	8.2W	22 19.745	-0.0004	21	-30 2 54.55	-0.033	21	0.42	19.752	22	32.7	53.98	21	32.7	K		C7	3343	C -29 4336
56	8.9	9.2W	22 29.939	-0.0003	09	-36 44 45.22	-0.013	09	0.22	29.943	15	36.2	45.04	21	36.2	A0		C8	3024	C -36 3589
57	9.4	9.1W	22 30.088	0.0008	21	-35 49 34.50	0.070	21	0.42	30.073	22	32.7	35.71	21	32.7	F8		C7	3344	C -30 4446
58	9.1	9.4W	22 30.433	-0.0048	21	-33 49 35.40	-0.050	21	0.42	30.516	22	32.7	34.55	21	32.7	A0		C7	3345	C -33 3777
59	8.7	8.5W	22 30.801	-0.0032	21	-34 10 52.36	-0.111	21	0.42	30.856	22	32.7	50.44	21	32.7	F5		C7	3346	C -34 3577
60	9.0	7.7W	22 36.697	-0.0017	21	-34 15 31.27	-0.048	21	0.42	36.726	22	32.7	30.44	21	32.7	K0		C7	3347	C -34 3579
61	9.5	9.6W	22 41.123	-0.0012	21	-31 58 11.38	-0.044	21	0.42	41.144	22	32.7	10.62	21	32.7	A5		C7	3348	C -31 4478
62		8.0T	22 46.364	-0.0029	13	-31 41 0.01	0.003	08	0.61	46.512	18	99.2	0.16	18	93.1	A0		GC	9902	C -31 4481
63	10.1	8.9W	22 48.078	0.0020	21	-30 59 34.92	0.028	21	0.42	48.043	22	32.7	35.41	21	32.7	K0		C7	3350	C -30 4456
64		5.4T	22 48.804	-0.0020	06	-31 42 34.25	0.008	05	0.26	48.892	12	06.3	34.62	10	01.1	G5		GC	9903K	C*-31 4482
65	10.2	9.2W	22 49.284	-0.0012	21	-33 17 55.08	0.032	21	0.42	49.305	22	32.7	55.64	21	32.7	K0		C7	3352	C -33 3781
66	9.1	9.1W	22 52.063	-0.0001	13	-39 28 29.85	-0.015	13	0.26	52.064	15	36.2	29.64	21	36.2	A0		C8	3025	C -39 3294
67	10.8	9.9W	22 52.482	-0.0028	08	-35 14 27.51	-0.012	08	0.21	52.521	15	36.2	27.34	21	36.2	K2		C8	3026	C -35 3578
68		8.4T	22 52.944	0.0000	20	-36 27 27.93	0.029	15	0.84	52.943	22	04.7	29.35	21	00.9	K0		GC	9906	C -36 3594
69	7.6	7.5W	22 53.208	-0.0054	07	-38 10 25.33	-0.021	07	0.21	53.283	15	36.2	25.04	21	36.2	F0		C8	3028	C -38 3363
70	8.9	8.9W	22 56.169	-0.0021	21	-32 40 1.63	-0.005	21	0.42	56.205	22	32.7	1.54	21	32.7	A5		C7	3353	C -32 3981
71	9.4	9.1W	22 56.696	0.0013	21	-31 1 54.62	0.034	21	0.42	56.673	22	32.7	55.21	21	32.7	F5		C7	3354	C -30 4459
72	9.8	9.4W	22 57.692	-0.0075	13	-39 36 50.27	-0.053	13	0.26	57.795	15	36.2	49.54	21	36.2	F5		C8	3029	C -39 3295
73	10.0	8.5W	22 58.947	0.0025	21	-30 44 24.96	-0.009	21	0.42	58.903	22	32.7	24.81	21	32.7	K5		C7	3355	C -30 4461
74		7.1T	23 0.782	0.0008	12	-37 11 26.08	0.007	12	0.67	0.742	17	99.4	26.44	19	97.8	A3		GC	9912K	C*-37 3549
75		7.0T	23 1.051	-0.0023	14	-37 11 30.12	0.042	12	0.70	1.166	19	00.5	32.31	19	97.8	A3		GC	9913K	C*-37 3549
76	10.1	9.3W	23 3.438	-0.0018	09	-36 46 52.76	0.006	09	0.22	3.463	15	36.2	52.84	21	36.2	G5	L C8	3032	C -36 3598	
77	9.1	9.1W	23 7.112	-0.0018	21	-32 7 37.27	-0.020	21	0.42	7.144	22	32.7	36.92	21	32.7	A2		C7	3356	C -31 4488
78	10.1	8.8W	23 7.262	-0.0025	21	-32 58 52.44	0.012	21	0.42	7.305	22	32.7	52.64	21	32.7	K2		C7	3357	C -32 3985
79	10.2		23 8.338	0.0025	18	-36 53 10.87	0.012	18	0.31	8.303	15	36.2	11.04	21	36.2	A2		C8	3033	C -36 3600
80	10.2	9.4W	23 10.662	-0.0007	13	-35 1 33.97	-0.009	13	0.26	10.671	15	36.2	33.85	21	36.2	K0		C8	3034	C -34 3586
81	7.5	7.6W	23 18.613	0.0000	13	-37 52 4.47	0.056	13	0.26	18.613	15	36.2	5.24	21	36.2	A5		C8	3035	C -37 3557
82	8.8	8.6W	23 21.525	-0.0004	21	-30 22 19.02	0.032	21	0.42	21.532	22	32.7	19.58	21	32.7	F2		C7	3358	C -30 4466
83	10.6		23 23.999	-0.0002	23	-36 9 42.75	-0.015	23	0.37	24.002	15	36.2	42.54	21	36.2	B9		C8	3036	C -36 3602
84	10.0	10.1W	23 34.670	-0.0024	18	-37 36 11.23	-0.014	18	0.31	34.702	15	36.2	11.04	21	36.2	A0		C8	3037	C -37 3560
85	8.2	8.7W	23 42.739	-0.0037	21	-32 24 32.01	-0.005	21	0.42	42.804	22	32.7	31.92	21	32.7	A0		C7	3359	C -32 3999
86		6.2T	23 47.747	-0.0004	07	-31 38 17.10	0.005	04	0.25	47.763	10	10.4	17.31	09	05.8	B5		GC	9933	C*-31 4506
87	9.5	9.0W	23 52.657	-0.0005	21	-33 48 11.55	-0.001	21	0.42	52.666	22	32.7	11.54	21	32.7	G5		C7	3361	C -33 3799
88	9.6	9.8W	24 5.109	-0.0023	13	-35 29 32.68	-0.010	13	0.26	5.141	15	36.2	32.55	21	36.2	A3		C8	3038	C -35 3590
89	8.3	8.5W	24 5.939	-0.0003	18	-38 2 55.34	0.015	18	0.31	5.943	15	36.2	55.54	21	36.2	B8		C8	3039	C -37 3569
90	8.8	8.6W	24 8.290	-0.0003	13	-38 40 34.80	-0.127	13	0.26	8.294	15	36.2	33.04	21	36.2	F5		C8	3040	C -38 3375
91	8.2	8.6W	24 11.805	-0.0010	21	-30 10 28.93	0.020	21	0.42	11.822	22	32.7	29.28	21	32.7	B8		C7	3362	C -30 4490
92	7.2	7.5W	24 14.678	-0.0009	21	-31 32 33.31	0.001	21	0.42	14.694	22	32.7	33.32	21	32.7	A2		C7	3363	C -31 4517
93	9.9	9.9W	24 15.347	-0.0020	18	-38 54 11.01	-0.005	18	0.31	15.374	15	36.2	10.94	21	36.2	A0		C8	3041	C -38 3376
94	9.2	9.4W	24 21.150	-0.0001	13	-35 29 32.50	-0.026	13	0.26	21.151	15	36.2	32.14	21	36.2	A0		C8	3042	C -35 3594
95	10.0	10.0W	24 23.036	-0.0026	09	-36 24 39.25	-0.022	09	0.22	23.072	15	36.2	38.95	21	36.2	F0		C8	3043	C -36 3612
96		7.8T	24 32.403	-0.0015	17	-35 4 33.40	0.029	13	0.73	32.475	15	03.2	34.80	17	01.4	K0		GC	9950	C -34 3603
97	9.8	9.9W	24 34.013	-0.0043	09	-36 29 45.38	-0.003	09	0.22	34.072	15	36.2	45.34	21	36.2	A0		C8	3044	C -36 3614
98	8.8	8.2W	24 44.834	0.0000	13	-39 28 14.65	0.007	13	0.26	44.833	15	36.2	14.74	21	36.2	K2		C8	3045	C -39 3309
99	8.7	8.1W	24 50.493	-0.0031	21	-34 50 12.81	0.031	21	0.42	50.547	22	32.7	13.35	21	32.7	K0		C7	3365	C -34 3607
00		6.0T	24 50.765	-0.0026	07	-34 2 20.98	-0.002	05	0.29	50.876	12	06.9	20.86	12	00.2	B3		GC	9959	C*-33 3813

198000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.6	8.4W	7 24 56.571	0.0022	21	-32 6 24.53	-0.000	21	0.42	56.534	22	32.7	24.52	21	32.7	K0		C7	3367	C -31 4534
2	8.8	8.9W	25 1.975	-0.0005	21	-30 40 10.51	0.017	21	0.42	1.983	22	32.7	10.81	21	32.7	A0		C7	3368	C*-30 4519
3			25 7.484	-0.0261	21	-34 12 52.16	0.126	21	0.42	7.536	22	32.7	54.35	21	32.7	F8		C7	3369	C -34 3610
4	10.4	9.6W	25 8.187	-0.0032	09	-35 17 24.94	-0.022	09	0.22	8.231	15	36.2	24.64	21	36.2	K0		C8	3046	C -35 3601
5		7.2Q	25 8.474	-0.0250	13	-34 12 39.87	0.117	12	0.67	9.707	15	00.6	45.81	18	99.0	F8		GC	9966K	C*-34 3611
6	10.2	9.3W	25 16.627	-0.0038	21	-32 13 13.10	-0.016	21	0.42	16.694	22	32.7	12.82	21	32.7	K0	L	C7	3371	C -32 4027
7	9.5	8.4W	25 17.011	-0.0036	21	-32 28 20.91	0.001	21	0.42	17.074	22	32.7	20.92	21	32.7	K0		C7	3372	C -32 4028
8	8.5	8.6W	25 20.756	-0.0014	13	-39 44 40.56	-0.045	13	0.26	20.775	15	36.2	39.94	21	36.2	A0		C8	3047	C -39 3319
9		7.2T	25 25.028	0.0009	12	-33 47 14.12	-0.020	09	0.56	24.981	15	99.8	13.03	15	99.0	G5		GC	9973	C -33 3823
10	8.8	8.7W	25 29.310	0.0004	21	-31 35 9.43	0.017	21	0.42	29.304	22	32.7	9.72	21	32.7	F2		C7	3374	C -31 4543
11	10.7	9.1W	25 29.395	-0.0035	13	-36 36 29.60	-0.033	13	0.26	29.443	15	36.2	29.14	21	36.2	MA		C8	3048	C -36 3629
12	11.0		25 30.821	0.0013	18	-36 52 19.05	-0.008	18	0.31	30.803	15	36.2	18.95	21	36.2	G0	L	C8	3049	C -36 3631
13		9.2R	25 35.407	0.0008	13	-30 1 4.98	0.020	13	0.27	35.395	16	33.5	5.32	16	33.5	F0	M	13B	4029	J -29 4411
14	9.3	8.5W	25 35.418	0.0010	09	-38 59 24.41	-0.027	09	0.22	35.404	15	36.2	24.04	21	36.2	K0		C8	3050	C -38 3386
15	10.7	9.8W	25 42.699	-0.0013	21	-30 12 16.64	-0.021	21	0.42	42.722	22	32.7	16.28	21	32.7	K0	L	C7	3375	C -30 4538
16	8.6	8.6W	25 46.173	-0.0016	13	-39 42 50.08	0.026	13	0.26	46.195	15	36.2	50.44	21	36.2	F0		C8	3051	C -39 3322
17	9.6	9.9W	25 47.775	-0.0042	18	-37 25 38.70	-0.004	18	0.31	47.833	15	36.2	38.64	21	36.2	B9		C8	3052	C -37 3591
18	9.4	9.3W	25 51.569	-0.0033	13	-39 17 29.37	-0.024	13	0.26	51.614	15	36.2	29.04	21	36.2	A2		C8	3053	C -39 3323
19		9.6R	25 51.768	-0.0015	20	-30 0 46.22	0.019	20	0.36	51.792	16	33.5	46.54	16	33.5			13B	4036	J -29 4415
20	10.0	9.3W	25 55.204	-0.0024	21	-33 46 0.53	0.006	21	0.42	55.246	22	32.7	0.65	21	32.7	K0		C7	3376	C -33 3832
21	10.1	9.0W	25 56.848	-0.0062	21	-33 29 27.71	0.066	21	0.42	56.955	22	32.7	28.84	21	32.7	K5		C7	3377	C -33 3833
22	9.7	8.5W	25 59.911	-0.0013	21	-31 50 41.92	0.006	21	0.42	59.934	22	32.7	42.02	21	32.7	K0		C7	3378	C -31 4558
23		8.7T	26 5.177	0.0025	20	-34 47 15.41	0.033	20	0.92	5.064	22	04.9	16.93	22	04.5	F5		GC	9991	C -34 3619
24	10.2	9.1W	26 11.684	-0.0043	13	-36 55 10.00	0.003	13	0.26	11.743	15	36.2	10.04	21	36.2	K0		C8	3054	C -36 3639
25	9.5	9.5W	26 17.748	-0.0008	21	-30 1 19.89	0.017	21	0.42	17.762	22	32.7	20.18	21	32.7	A3		C7	3380	C -29 4426
26	9.5	8.7W	26 22.145	0.0007	13	-39 55 42.30	-0.033	13	0.26	22.135	15	36.2	41.85	21	36.2	K0		C8	3055	C -39 3333
27	9.4	9.5W	26 23.956	-0.0028	18	-39 5 42.62	0.016	18	0.31	23.994	15	36.2	42.84	21	36.2	A3		C8	3056	C -38 3392
28	10.3	10.2W	26 25.473	-0.0071	21	-34 8 33.34	0.069	21	0.42	25.596	22	32.7	34.54	21	32.7	F8	L	C7	3381	C -33 3840
29		7.4T	26 33.144	-0.0033	16	-35 9 22.59	-0.036	13	0.73	33.305	17	02.0	20.79	18	00.2	A3		GC	10006	C*-35 3618
30	9.7	9.5W	26 33.895	-0.0028	21	-30 55 12.70	-0.011	21	0.42	33.943	22	32.7	12.51	21	32.7	F5		C7	3382	C*-30 4563
31		6.5T	26 37.219	-0.0022	12	-37 42 21.15	-0.052	10	0.61	37.332	22	98.8	18.25	18	94.3	A0		GC	10011	C -37 3601
32	9.4	9.4W	26 38.282	-0.0048	21	-33 9 35.17	0.044	21	0.42	38.365	22	32.7	35.94	21	32.7	A0		C7	3383	C -33 3843
33	10.0	9.1W	26 39.077	-0.0022	21	-33 22 28.36	0.010	21	0.42	39.115	22	32.7	28.54	21	32.7	K2		C7	3384	C -33 3844
34	10.4	9.7W	26 43.194	-0.0014	09	-36 48 36.56	-0.016	09	0.22	43.231	15	36.2	36.34	21	36.2	K0		C8	3059	C -36 3647
35	9.2	9.4W	26 47.533	-0.0028	09	-35 36 36.40	-0.019	09	0.22	47.572	15	36.2	36.14	21	36.2	A0		C8	3060	C -35 3620
36	9.0	8.2W	26 50.279	0.0011	13	-39 20 32.46	0.006	13	0.26	50.264	15	36.2	32.55	21	36.2	G5		C8	3061	C -39 3336
37	10.1	9.7W	26 50.859	-0.0038	23	-36 17 16.10	0.025	23	0.37	50.912	15	36.2	16.44	21	36.2	G0		C8	3062	C -36 3649
38		6.5T	26 55.907	0.0002	05	-31 44 39.63	0.001	05	0.25	55.898	10	02.9	39.66	10	01.6	B3		GC	10020K	C*-31 4590
39		7.2T	26 56.313	-0.0032	11	-31 44 34.12	0.001	09	0.59	56.490	17	94.8	34.16	17	91.5	B3		GC	10021K	C*-31 4590
40	9.2	9.3W	26 58.441	-0.0023	18	-38 16 48.50	0.010	18	0.31	58.473	15	36.2	48.64	21	36.2	A0		C8	3063	C -38 3397
41		6.8T	27 6.134	-0.0007	13	-34 48 51.11	-0.005	12	0.67	6.168	18	01.1	50.87	18	99.1	B8		GC	10028	C*-34 3634
42		5.8T	27 9.001	-0.0015	06	-31 21 6.94	0.000	05	0.28	9.070	12	04.7	6.94	12	99.1	B3		GC	10029	C*-31 4593
43	9.4	7.9W	27 17.547	0.0008	21	-30 32 22.38	0.013	21	0.42	17.533	22	32.7	22.61	21	32.7	K5		C7	3388	C -30 4579
44	9.4	8.3W	27 18.639	-0.0032	21	-32 38 30.79	-0.015	21	0.42	18.695	22	32.7	30.54	21	32.7	K2		C7	3389	C -32 4063
45		5.4T	27 21.722	-0.0025	06	-38 42 27.65	0.019	05	0.28	21.829	12	07.7	28.50	12	04.8	B8		GC	10033	C*-38 3400
46		9.2R	27 22.309	-0.0019	20	-30 5 20.60	-0.004	20	0.36	22.341	16	33.5	20.53	16	33.5	A0	M	13B	4065	J -29 4457
47	10.5	9.3W	27 23.153	-0.0035	13	-35 16 25.25	-0.008	13	0.26	23.201	15	36.2	25.14	21	36.2	K5		C8	3065	C -35 3627
48		7.2T	27 25.462	-0.0023	13	-34 3 59.67	0.014	12	0.66	25.576	17	99.8	+ 0.40	18	96.4	A2		GC	10034	C -33 3857
49	9.8	9.7W	27 26.072	0.0005	21	-30 46 37.50	-0.011	21	0.42	26.063	22	32.7	37.31	21	32.7	F2	L	C7	3391	C -30 4582
50	10.4	9.1W	27 32.249	-0.0038	21	-32 31 9.94	0.005	21	0.42	32.315	22	32.7	10.04	21	32.7	K2	L	C7	3392	C -32 4068
51	9.3	9.1W	7 27 36.444	-0.0057	21	-32 18 18.98	0.037	21	0.42	36.544	22	32.7	19.62	21	32.7	F2		C7	3393	C -32 4070
52	10.1	9.0W	27 37.675	-0.0025	21	-30 9 17.15	0.019	21	0.42	37.632	22	32.7	17.48	21	32.7	K2		C7	3394	C -29 4468
53	8.8	7.5W	27 42.565	-0.0049	13	-36 34 48.34	-0.029	13	0.26	42.633	15	36.2	47.95	21	36.2	MA		C8	3066	C -36 3658
54	9.0	9.1W	27 45.931	-0.0041	21	-30 5 11.21	0.027	21	0.42	46.002	22	32.7	11.68	21	32.7	A0		C7	3395	C -29 4471
55	8.0	7.8W	27 46.244	-0.0021	07	-38 1 6.93	0.066	07	0.21	46.273	15	36.2	7.84	21	36.2	F8		C8	3067	C -37 3616
56	9.9	9.1W	28 7.496	-0.0019	21	-30 34 59.84	-0.002	21	0.42	7.463	22	32.7	59.81	21	32.7	K0		C7	3396	C -30 4598
57	9.0	8.9W	28 12.479	-0.0009	21	-33 18 55.07	0.010	21	0.42	12.495	22	32.7	55.24	21	32.7	A8	L	C7	3397	C -33 3869
58	8.7	9.0W	28 12.775	-0.0016	21	-32 14 21.36	-0.002	21	0.42	12.804	22	32.7	21.32	21	32.7	B5		C7	3398	C -32 4081
59	9.5	8.6W	28 13.887	-0.0012	13	-38 33 40.80	-0.033	13	0.26	13.904	15	36.2	40.34	21	36.2	G0		C8	3068	C -38 3411
60	8.8	8.5W	28 23.240	-0.0032	13	-39 28 40.26	0.042	13	0.26	23.284	15	36.2	40.84	21	36.2	G0		C8	3069	C -39 3354
61	10.3	9.3W	28 24.028	-0.0024	13	-35 23 50.89	-0.011	13	0.26	24.061	15	36.2	50.74	21	36.2	K5		C8	3070	C -35 3634
62	9.8	8.3W	28 24.116	-0.0014	13	-39 33 11.94	-0.036	13	0.26	24.135	15	36.2	11.44	21	36.2	K		C8	3071	C -39 3356
63		7.4T	28 42.140	-0.0008	12	-33 59 3.75	0.017	11	0.61	42.098	15	99.9	4.63	15	99.4	B0		GC	10066	C -33 3879
64		4.8T	28 45.841	-0.0020	05	-30 51 21.87	-0.002	04	0.27	45.936	12	03.0	21.76	12	97.1	G0		GC	10071	C -30 4620
65	8.5	8.5W	28 46.488	-0.0004	09	-37 25 4.74	-0.007	09	0.22	46.493	15	36.2	4.64	21	36.2	A0		C8	3072	C -37 3634
66	9.7	8.9W	28 47.678	-0.0068	21	-33 46 10.82	0.018	21	0.42	47.796	22	32.7	11.14	21	32.7	K0		C7	3401	C -33 3881
67	8.4	8.7W	28 51.599	-0.0039	21	-34 51 32.93	-0.028	21	0.42	51.667	22	32.7	32.45	21	32.7	B8		C7	3402	C -34 3655
68	10.1	9.1W	28 56.020	0.0019	21	-34 54 12.71	0.002	21	0.42	55.987	22	32.7	12.75	21	32.7	K2	L	C7	3403	C -34 3657
69		6.5T	28 56.066	-0.0088	12	-37 14 1.84	0.039	12	0.63	56.496	17	01.2	3.80	19	99.7	G5		GC	10074	C -37 3637
70	9.5	8.6W	29 0.607	-0.0003	21	-30 26 2.79	0.005	21	0.42	0.612	22	32.7	2.88	21	32.7	K0		C7	3404	C -30 4630
71	10.7	10.0W	29 1.461	-0.0007	21	-32 3 59.32	-0.023	21	0.42	1.474	22	32.7	58.92	21	32.7	G5	L	C7	3405	C -31 4642
72		7.7T	29 11.401	-0.0003	14	-34 52 38.97	0.005	12	0.67	11.416	18	01.0	39.24	19	00.0	K5		GC	10078	C*-34 3660
73	10.1	9.3W	29 11.989	-0.0038	09	-35 9 35.39	0.004	09	0.22	12.041	15	36.2	35.45	21	36.2	K0		C8	3075	C -35 3645
74	10.8	9.7W	29 15.301	-0.0007	21	-31 59 25.46	0.004	21	0.42	15.314	22	32.7	25.52	21	32.7	K0	L	C7	3407	C -31 4649
75	10.2	9.7W	29 15.643	0.0018	21	-30 1 48.45	0.042	21	0.42	15.612	22	32.7	49.18	21	32.7	G5	L	C7	3408	C -29 4507
76	8.7	8.5W	29 18.225	-0.0004	21	-30 24 42.19	-0.024	21	0.42	18.232	22	32.7	41.78	21	32.7	F2		C7	3409	C -30 4634
77	9.6	8.2W	29 23.013	-0.0001	21	-30 17 47.57	0.012	21	0.42	22.372	22	32.7	47.78	21	32.7	K0		C7	3410	C -30 4637
78	9.5	8.4W	29 23.018	-0.0054	13	-38 29 27.41	0.031	13	0.26	23.093	15	36.2	27.84	21	36.2	K0		C8	3076	C -38 3428
79	9.5	9.5W	29 23.100	-0.0008	21	-31 17 4.63	0.045	21	0.42	23.113	22	32.7	5.41	21	32.7	A		C7	3411	C -31 4650
80	10.2	9.8W	29 23.565	-0.0064	18	-38 16 8.56	0.006	18	0.31	23.653	15	36.2	8.64	21	36.2	F5		C8	3077	C -38 3427
81	9.2	9.5W	29 27.467	-0.0011	09	-36 22 1.06	-0.001	09	0.22	27.482	15	36.2	1.04	21	36.2	B9		C8	3078	C -36 3683
82	9.6	9.0W	29 28.993	-0.0001	21	-32 42 25.92	0.007	21	0.42	28.995	22	32.7	26.04	21	32.7	G5		C7	3412	C -32 4103
83		9.4T	29 32.022	-0.0073	16	-39 55 50.77	-0.061	15	0.76	32.362	24	03.6	47.86	22	02.4	G5		GC	10086	C -39 3365
84	9.2	9.7W	29 33.065	-0.0063	09	-35 34 41.59	-0.040	09	0.22	33.152	15	36.2	41.04	21	36.2	B9		C8	3080	C -35 3649
85	8.7	9.0W	29 33.686	0.0002	09	-37 53 42.19	0.004	09	0.22	33.683	15	36.2	42.24	21	36.2	B9		C8	3081	C -37 3645
86		6.5T	29 37.055	-0.0009	12	-36 2 45.17	0.020	11	0.63	37.099	18	00.2	46.20	18	97.9	B5F		GC	10089	C -35 3650
87	9.5	9.5W	29 38.260	0.0015	21	-30 56 23.74	0.050	21	0.42	38.233	22	32.7	24.61	21	32.7	A		C7	3413	C -30 4641
88	9.5	9.1W	29 39.792	-0.0182	21	-34 36 51.80	0.078	21	0.42	40.107	22	32.7	53.15	21	32.7	G0		C7	3414	C -34 3671
89	8.9	9.0W	29 42.568	-0.0004	13	-36 47 1.80	-0.048	13	0.26	42.573	15	36.2	1.14	21	36.2	A0		C8	3083	C -36 3686
90	10.4	9.1W	29 52.253	-0.0024	21	-32 33 12.56	0.010	21	0.42	52.295	22	32.7	12.74	21	32.7	K2	L	C7	3415	C -32 4110
91	10.7	9.6W	29 52.304	-0.0036	21	-34 37 29.42	-0.010	21	0.42	52.367	22	32.7	29.25	21	32.7	K0	L	C7	3416	C -34 3674
92	9.7	8.7W	29 52.725	-0.0028	13	-36 44 58.57	0.020	13	0.26	52.763	15	36.2	58.84	21	36.2	K5		C8	3084	C -36 3689
93		6.5T	29 53.564	0.0004	12	-35 46 49.34	0.005	11	0.64	53.542	18	97.7	49.60	18	96.1	A0		GC	10094	C*-35 3652
94	10.5	9.3W	29 54.094	-0.0014	13	-36 49 38.98	-0.032	13	0.26	54.113	15	36.2	38.54	21	36.2	K5		C8	3086	C -36 3690
95	10.3	9.8W	29 59.060	-0.0007	21	-30 14 9.18	0.029	21	0.42	59.072	22	32.7	9.68	21	32.7	G0	L	C7	3417	C -30 4651
96	10.3	9.3W	29 59.653	-0.0023	21	-31 41 7.44	-0.024	21	0.42	59.694	22	32.7	7.02	21	32.7	K0	L	C7	3418	C -31 4657
97	9.2	9.0W	30 2.732	-0.0026	21	-33 18 11.46	0.005	21	0.42	2.777	22	32.7	11.54	21	32.7	F5		C7	3419	C -33 3895
98	9.4	9.5W	30 4.746	-0.0005	13	-36 58 16.23	-0.014	13	0.26	4.753	15	36.2	16.04	21	36.2	B8		C8	3088	C -36 3691
99	10.0	9.9W	30 6.062	-0.0073	13	-39 15 7.94	-0.022	13	0.26	6.163	15	36.2	7.64	21	36.2	A2		C8	3089	C -39 3377
00	9.3	9.0W	30 7.520	0.0043	13	-35 9 6.08	-0.010	13	0.26	7.461	15	36.2	5.94	21	36.2	F8		C8	3090	C -34 3677

198100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.7	9.7W	7 30 10.802	-0.0030	21	-31 28 54.15	0.009	21	0.42	10.855	22	32.7	54.31	21	32.7	F0	L	C7	3420	C -31 4663
2	10.0	9.1W	30 23.855	-0.0019	21	-34 5 18.03	0.019	21	0.42	23.887	22	32.7	18.35	21	32.7	K2		C7	3421	C -33 3903
3	8.5	8.6W	30 31.445	-0.0041	18	-38 3 59.02	-0.013	18	0.31	31.502	15	36.2	58.84	21	36.2	A0		C8	3091	C -37 3659
4		8.3T	30 33.165	-0.0015	13	-35 51 11.34	0.003	13	0.67	33.238	17	99.8	11.49	19	00.7	B9		GC	10102	C -35 3659
5	10.2	9.1W	30 39.433	-0.0014	21	-33 0 58.07	0.039	21	0.42	39.457	22	32.7	58.74	21	32.7	K0	L	C7	3422	C -32 4130
6	10.2	9.3W	30 40.867	-0.0046	18	-35 27 39.64	-0.029	18	0.31	40.931	15	36.2	39.24	21	36.2	K0		C8	3093	C -35 3661
7	9.5	9.7W	30 41.709	-0.0003	13	-36 59 38.78	-0.003	13	0.26	41.713	15	36.2	38.74	21	36.2	B8		C8	3094	C -36 3699
8		9.3K	30 42.078	-0.0021	17	-30 9 26.75	0.032	17	0.31	42.113	16	33.5	27.28	16	33.5	G0	M	13B	4140	J -30 4669
9	9.2	8.8W	30 45.964	-0.0007	21	-31 9 25.29	0.024	21	0.42	45.975	22	32.7	25.71	21	32.7	A5		C7	3423	C -31 4675
10	9.1	9.0W	30 46.541	-0.0045	18	-38 51 51.36	0.013	18	0.31	46.603	15	36.2	51.54	21	36.2	A2		C8	3095	C -38 3440
11		8.2T	30 51.566	-0.0010	13	-39 53 38.28	-0.006	12	0.68	51.617	22	00.0	37.96	21	97.1	B5		GC	10107	C -39 3388
12	9.5	9.1W	30 53.938	-0.0011	21	-32 52 58.09	-0.008	21	0.42	53.957	22	32.7	57.94	21	32.7	G0		C7	3424	C -32 4134
13	9.6	9.7W	31 0.795	-0.0012	13	-35 30 21.91	-0.034	13	0.26	0.812	15	36.2	21.44	21	36.2	A		C8	3097	C -35 3666
14	9.6	8.1W	31 0.979	0.0008	21	-31 21 7.26	-0.003	21	0.42	0.965	22	32.7	7.21	21	32.7	K5		C7	3425	C -31 4690
15	9.8	10.0W	31 2.100	-0.0025	21	-30 9 27.53	0.043	21	0.42	2.143	22	32.7	28.28	21	32.7	B9		C7	3426	C -30 4681
16	10.2	9.2W	31 2.890	0.0007	21	-34 28 38.62	-0.027	21	0.42	2.877	22	32.7	38.15	21	32.7	K5		C7	3427	C -34 3693
17	8.7	9.0W	31 8.345	-0.0048	21	-34 6 12.45	0.012	21	0.42	8.428	22	32.7	12.65	21	32.7	B9		C7	3428	C -33 3913
18	9.6	9.8W	31 8.484	-0.0071	23	-36 23 3.23	-0.050	23	0.37	8.581	15	36.2	2.55	21	36.2	A0		C8	3098	C -36 3706
19	8.4	8.6W	31 12.870	-0.0016	21	-33 56 50.60	0.038	21	0.42	12.897	22	32.7	51.25	21	32.7	A0		C7	3429	C -33 3914
20		6.3T	31 31.224	0.0011	12	-39 56 58.59	-0.012	11	0.64	31.170	17	99.6	57.94	17	95.2	B8		GC	10123	C*-39 3398
21		7.1T	31 31.957	-0.0000	11	-33 17 26.80	-0.007	11	0.59	31.959	17	99.5	26.43	17	00.1	B3		GC	10124	C -33 3915
22	9.1	9.1W	31 32.300	-0.0028	21	-34 55 35.82	-0.015	21	0.42	32.348	22	32.7	35.56	21	32.7	A0		C7	3431	C -34 3699
23	11.1	10.3W	31 41.402	-0.0030	21	-31 12 38.12	0.034	21	0.42	41.455	22	32.7	38.71	21	32.7	G2	L	C7	3432	C -31 4709
24	8.1	7.9W	31 47.782	0.0005	21	-30 16 46.54	-0.067	21	0.42	47.773	22	32.7	45.38	21	32.7	F0		C7	3433	C -30 4706
25	10.3		31 52.749	-0.0061	18	-38 36 44.89	0.011	18	0.31	52.833	15	36.2	45.04	21	36.2	A		C8	3101	C -38 3454
26	9.2	9.4W	31 53.135	0.0010	21	-34 28 49.66	-0.006	21	0.42	53.117	22	32.7	49.55	21	32.7	A0		C7	3434	C -34 3703
27	10.4	10.5W	31 55.262	-0.0003	21	-33 16 49.55	0.023	21	0.42	55.267	22	32.7	49.94	21	32.7			C7	3435	C -33 3921
28	9.2	8.4W	31 59.597	0.0076	06	-35 51 5.64	-0.007	06	0.20	59.491	15	36.2	5.54	21	36.2	G0		C8	3102	C -35 3680
29	9.4	7.8W	32 1.002	0.0007	07	-35 42 16.95	-0.037	07	0.21	0.992	15	36.2	16.44	21	36.2	K0		C8	3103	C -35 3681
30		5.5T	32 2.380	-0.0015	05	-36 13 43.04	-0.001	04	0.24	2.443	09	06.9	42.99	10	02.8	B5P		GC	10139	C*-36 3715
31	9.9	9.1W	32 3.996	-0.0019	09	-36 16 5.02	-0.006	09	0.22	4.022	15	36.2	4.94	21	36.2			C8	3105	C*-36 3716
32	9.6	9.0W	32 4.129	-0.0018	21	-34 54 8.32	-0.027	21	0.41	4.158	22	33.2	7.86	21	33.2	G5		C7	3436	C -34 3709
33		9.1R	32 4.670	0.0000	20	-30 6 8.53	-0.006	20	0.36	4.669	16	33.5	8.43	16	33.5	A0	J	13B	4162	J -29 4578
34	10.4	8.9W	32 12.988	0.0000	21	-33 53 13.97	0.059	21	0.41	12.987	22	33.2	14.95	21	33.2			C7	3437	C -33 3924
35	9.8		32 14.745	-0.0178	23	-35 9 35.64	0.203	23	0.37	14.991	15	36.2	38.45	21	36.2	A5		C8	3106	C -35 3683
36	7.5	7.8W	32 15.374	-0.0021	07	-37 12 33.20	0.010	07	0.21	15.403	15	36.2	33.34	21	36.2	B8		C8	3107	C -37 3680
37		6.6T	32 16.040	-0.0021	12	-39 47 47.41	0.043	11	0.64	16.147	21	99.7	49.73	18	96.2	K0		GC	10148	C -39 3407
38		6.1T	32 19.784	-0.0049	13	-33 21 14.68	0.068	12	0.64	20.025	15	01.2	18.10	17	99.3	F0		GC	10150	C*-33 3926
39	9.1	9.4W	32 24.116	-0.0030	21	-32 52 22.64	-0.041	21	0.41	24.167	22	33.2	21.94	21	33.2	A0		C7	3439	C -32 4159
40	10.4	9.8W	32 25.566	-0.0017	21	-30 42 36.19	0.007	21	0.41	25.595	22	33.2	36.31	21	33.2	G5	L	C7	3440	C -30 4726
41	8.7	8.6W	32 27.592	-0.0021	13	-35 26 27.39	-0.011	13	0.26	27.621	15	36.2	27.24	21	36.2	F0		C8	3110	C -35 3688
42	10.0	9.2W	32 28.034	-0.0036	21	-32 12 47.31	-0.035	21	0.41	28.095	22	33.2	46.72	21	33.2	K0	L	C7	3441	C -32 4160
43	10.7	9.9W	32 32.435	-0.0011	21	-30 15 12.08	-0.030	21	0.41	32.453	22	33.2	11.59	21	33.2	K0	L	C7	3442	C -30 4728
44	9.3	9.1W	32 32.671	-0.0044	21	-32 1 51.31	-0.011	21	0.41	32.745	22	33.2	51.12	21	33.2	F0		C7	3443	C -31 4739
45	8.7	9.0W	32 33.248	-0.0010	21	-32 22 4.93	-0.060	21	0.41	33.265	22	33.2	3.92	21	33.2	A2		C7	3444	C -32 4162
46	9.7	9.0W	32 44.636	0.0001	21	-32 19 37.95	-0.043	21	0.41	44.635	22	33.2	37.22	21	33.2	G5		C7	3445	C -32 4165
47	9.7	9.5W	32 54.472	-0.0030	18	-37 46 7.30	0.003	18	0.31	54.512	15	36.2	7.34	21	36.2	A5		C8	3111	C -37 3691
48	10.0	8.9W	32 55.327	0.0025	13	-38 42 48.61	0.002	13	0.26	55.293	15	36.2	48.64	21	36.2	K2		C8	3112	C -38 3463
49	9.3	9.3W	33 2.555	-0.0005	13	-35 38 41.73	-0.043	13	0.26	2.562	15	36.2	41.14	21	36.2	A0		C8	3113	C -35 3695
50	11.1	9.6W	33 11.171	-0.0037	13	-35 56 23.00	-0.004	13	0.26	11.222	15	36.2	22.94	21	36.2			C8	3114	C -35 3699
51	9.4	8.6W	7 33 13.533	-0.0061	21	-31 23 37.36	0.181	21	0.41	13.635	22	33.2	40.41	21	33.2	K0		C7	3446	C -31 4761
52	8.4	8.4W	33 16.662	-0.0008	13	-37 0 14.19	0.004	13	0.26	16.672	15	36.2	14.24	21	36.2	A5		C8	3115	C -36 3724
53	10.1	8.8W	33 20.927	-0.0048	13	-38 45 54.72	0.023	13	0.26	20.993	15	36.2	55.04	21	36.2	K0		C8	3116	C -38 3473
54	10.8		33 27.717	-0.0025	13	-35 9 43.46	-0.016	13	0.26	27.751	15	36.2	43.24	21	36.2	K0	L	C8	3117	C -35 3706
55	8.4	8.5W	33 28.104	-0.0021	07	-38 57 11.63	0.001	07	0.21	28.133	15	36.2	11.65	21	36.2	A0		C8	3118	C -38 3477
56	8.9	9.2W	33 36.258	-0.0029	21	-33 6 16.83	0.001	21	0.41	36.307	22	33.2	16.84	21	33.2	A0		C7	3447	C -32 4186
57	9.0	9.3W	33 37.344	-0.0014	13	-38 48 34.25	0.028	13	0.26	37.363	15	36.2	34.64	21	36.2	B9		C8	3119	C -38 3480
58	10.2	9.6W	33 38.046	-0.0011	21	-31 43 55.31	0.013	21	0.41	38.065	22	33.2	55.52	21	33.2	K0	L	C7	3448	C -31 4770
59		8.0T	33 39.644	0.0001	16	-37 18 30.08	0.001	13	0.74	39.640	21	02.2	30.14	19	00.0	K0		GC	10188	C -37 3699
60	9.4	8.3W	33 44.094	0.0015	13	-38 44 48.38	-0.017	13	0.26	44.074	15	36.2	48.14	21	36.2	K0		C8	3121	C -38 3481
61	8.3	8.5W	33 44.304	0.0008	13	-39 17 30.72	0.016	13	0.26	44.293	15	36.2	30.94	21	36.2	A0		C8	3122	C -39 3423
62	10.0	9.2W	33 45.382	-0.0027	21	-33 4 47.45	-0.012	21	0.41	45.427	22	33.2	47.24	21	33.2	K0	L	C7	3449	C -32 4190
63		7.6T	33 48.149	-0.0004	12	-36 3 4.38	0.004	10	0.62	48.167	19	99.9	4.60	19	96.4	B8		GC	10191	C -35 3710
64	9.9	9.5W	33 50.288	-0.0039	13	-35 41 54.67	-0.009	13	0.26	50.342	15	36.2	54.55	21	36.2	G0		C8	3125	C -35 3711
65	9.0	8.9W	33 50.299	0.0004	13	-36 42 40.19	-0.018	13	0.26	50.293	15	36.2	39.94	21	36.2	A0		C8	3124	C -36 3732
66	8.7	8.2W	33 52.366	-0.0059	21	-32 5 35.36	0.063	21	0.41	52.465	22	33.2	36.42	21	33.2	G0		C7	3450	C -31 4778
67	9.5	9.0W	33 53.347	-0.0025	13	-37 31 57.40	-0.026	13	0.26	53.382	15	36.2	57.04	21	36.2	F5		C8	3126	C -37 3706
68		7.1T	33 57.225	0.0007	14	-35 16 49.77	0.007	12	0.65	57.193	18	02.3	50.09	15	01.5	B2		GC	10195	C -35 3953
69	9.9	8.6W	33 57.955	-0.0012	18	-38 18 50.54	-0.007	18	0.31	57.972	15	36.2	50.44	21	36.2	K2		C8	3127	C -38 3484
70	10.4	9.8W	33 58.653	-0.0035	13	-35 8 27.62	-0.013	13	0.26	58.701	15	36.2	27.45	21	36.2	G2	L	C8	3128	C -34 3737
71	9.6	9.1W	34 1.220	0.0103	21	-32 43 39.42	-0.147	21	0.41	1.047	22	33.2	36.94	21	33.2	G5		C7	3452	C -32 4195
72	10.6	9.8W	34 2.801	-0.0037	13	-35 39 54.62	-0.020	13	0.26	2.851	15	36.2	54.34	21	36.2	G2	L	C8	3129	C -35 3715
73	8.8	7.9W	34 6.058	0.0004	09	-36 57 56.82	0.001	09	0.22	6.053	15	36.2	56.84	21	36.2	K0		C8	3130	C -36 3734
74		7.1T	34 8.679	0.0011	13	-37 20 0.89	0.012	13	0.70	8.624	21	99.7	1.52	19	97.9	B9		GC	10199	C -37 3709
75	9.3	9.1W	34 9.663	-0.0010	07	-36 35 19.02	-0.035	07	0.21	9.663	15	36.2	18.54	21	36.2	F5		C8	3133	C -36 3735
76	10.0		34 12.666	-0.0054	13	-35 9 7.52	0.001	13	0.26	12.741	15	36.2	7.54	21	36.2	A0		C8	3134	C -34 3741
77	10.3	9.5W	34 15.145	0.0001	21	-30 25 1.61	0.004	21	0.41	15.143	22	33.2	1.69	21	33.2	K0	L	C7	3453	C -30 4785
78	9.8	9.0W	34 19.524	-0.0025	21	-30 32 27.88	0.043	21	0.41	19.565	22	33.2	28.61	21	33.2	K0		C7	3454	C -30 4787
79	9.9	9.0W	34 24.325	0.0064	21	-33 37 42.84	0.001	21	0.41	24.217	22	33.2	42.85	21	33.2	K0		C7	3455	C -33 3960
80	9.3	8.6W	34 29.486	-0.0033	09	-35 28 36.11	-0.027	09	0.22	29.531	15	36.2	35.75	21	36.2	K0		C8	3135	C -35 3719
81	9.2	7.7W	34 37.184	0.0024	21	-31 12 28.26	-0.003	21	0.41	37.145	22	33.2	28.21	21	33.2	MA		C7	3456	C -31 4801
82	10.6	9.8W	34 46.260	-0.0016	23	-35 45 42.88	-0.039	23	0.37	46.281	15	36.2	42.34	21	36.2	K0	L	C8	3136	C -35 3723
83	9.0	9.0W	34 48.681	-0.0015	13	-35 37 52.39	0.004	13	0.26	48.702	15	36.2	52.45	21	36.2	A0		C8	3137	C -35 3724
84	7.9	8.0W	34 50.529	-0.0004	08	-39 44 57.69	0.025	08	0.21	50.534	15	36.2	58.04	21	36.2	A2		C8	3138	C -39 3437
85	8.9	9.0W	34 56.307	-0.0028	21	-31 13 17.61	0.018	21	0.41	56.355	22	33.2	17.91	21	33.2	A0		C7	3457	C -31 4809
86	10.3	9.4W	34 57.748	-0.0006	21	-34 10 7.49	-0.008	21	0.41	57.757	22	33.2	7.35	21	33.2	K0	L	C7	3458	C -34 3748
87	9.2	9.3W	34 58.895	0.0030	11	-36 36 25.25	-0.001	11	0.24	58.853	15	36.2	25.24	21	36.2	A0		C8	3139	C -36 3749
88	9.4	9.5W	35 6.924	-0.0028	10	-39 4 24.13	-0.028	10	0.23	6.963	15	36.2	23.75	21	36.2	B9		C8	3140	C -38 3500
89	10.1	9.4W	35 7.258	-0.0027	21	-30 9 53.28	0.012	21	0.41	7.303	22	33.2	53.48	21	33.2	K0		C7	3459	C -30 4814
90	8.9	9.3W	35 12.878	-0.0004	21	-32 19 19.71	-0.005	21	0.41	12.885	22	33.2	19.62	21	33.2	A0		C7	3460	C -32 4212
91	9.4	9.7W	35 17.372	0.0004	21	-32 9 6.23	-0.006	21	0.41	17.365	22	33.2	6.12	21	33.2	A2		C7	3461	C -31 4817
92	9.5	8.6W	35 18.232	-0.0014	23	-35 12 23.88	-0.003	23	0.37	18.251	15	36.2	23.84	21	36.2	G5		C8	3143	C -35 3727
93	7.1	7.6W	35 22.596	0.0012	21	-30 40 42.97	-0.004	21	0.41	22.575	22	33.2	42.91	21	33.2	B8		C7	3462	C -30 4822
94	9.6	9.7W	35 26.652	-0.0029	09	-36 15 19.96	0.035	09	0.22	26.691	15	36.2	20.44	21	36.2	A0		C8	3144	C -36 3754
95		4.6M	35 31.016	-0.0023	03	-34 51 17.92	0.013	03	0.10	31.081	06	21.1	18.34	05	18.4	B8		F4	290	-34 3755
96	9.0	9.6W	35 31.768	-0.0023	21	-33 23 38.87	-0.043	21	0.41	31.807	22	33.2	38.14	21	33.2	B8		C7	3464	C*-33 3972
97	9.2	9.0W	35 32.100	-0.0038	13	-38 56 27.87	-0.009	13	0.26	32.153	15	36.2	27.75	21	36.2	B8		C8	3145	C -38 3506
98	9.0	8.7W	35 32.368	-0.0018	10	-39 5 17.27	-0.038	10	0.23	32.393	15	36.2	16.74	21	36.2	F5		C8	3146	C -38 3507
99	9.6	9.4W	35 32.626	-0.0047	21	-32 12 50.63	-0.042	21	0.41	32.705	22	33.2	49.92	21	33.2	G0		C7	3465	C -32 4217
00	8.2	8.8W	35 33.578	-0.0022	21	-32 16 58.32	0.006	21	0.41	33.615	22	33.2	58.42	21	33.2	B3		C7	3466	C -32 4219

198200

EPOCH 1950												ORIGINAL EPOCH						SP.	SOURCE		-30° 7H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1		7.1T	7 35 34.677	0.0010	14	-36 18 13.60	-0.007	13	0.72	34.624	19	98.1	13.25	17	00.2	K0	GC	10248	C -36 3755		
2	8.7	9.0W	35 35.565	0.0002	18	-37 34 25.52	-0.013	18	0.31	35.562	15	36.2	25.34	21	36.2	A0	C8	3148	C -37 3730		
3	10.2		35 37.056	-0.0033	09	-36 9 17.94	-0.058	09	0.22	37.102	15	36.2	17.14	21	36.2	F5 L	C8	3149	C -35 3733		
4	8.5	9.0W	35 39.455	-0.0006	21	-30 30 57.61	0.006	21	0.41	39.465	22	33.2	57.71	21	33.2	A0	C7	3467	C*-30 4831		
5		6.5T	35 54.193	-0.0027	13	-35 9 48.07	0.010	12	0.66	54.327	18	01.2	48.58	18	99.8	K0	GC	10256	C*-34 3760		
6	9.9	8.8W	35 54.454	0.0016	07	-35 59 57.00	0.010	07	0.21	54.432	15	36.2	57.15	21	36.2	K1 L	C8	3151	C -35 3735		
7	10.7	9.9W	35 54.960	-0.0053	09	-37 4 35.44	0.072	09	0.22	55.033	15	36.2	36.44	21	36.2	G8 L	C8	3152	C -36 3761		
8	9.2	8.8W	35 55.678	0.0004	13	-37 50 17.44	-0.029	13	0.26	55.672	15	36.2	17.05	21	36.2	G5	C8	3153	C -37 3735		
9		9.1R	35 58.575	-0.0031	20	-30 29 6.66	-0.041	20	0.37	58.628	16	33.1	5.97	16	33.1	A0 J	13B	4233	J -30 4845		
10		6.3T	35 58.930	-0.0000	10	-37 53 49.49	0.056	09	0.60	58.930	19	94.2	52.78	18	91.4	K2	GC	10260	C -37 3736		
11	10.1		35 58.970	-0.0030	18	-38 13 40.31	-0.012	18	0.31	59.012	15	36.2	40.14	21	36.2	A0 L	C8	3155	C -38 3511		
12		6.6T	36 1.985	0.0001	14	-32 0 59.85	-0.047	12	0.70	1.982	18	99.6	57.29	18	96.0	F5	GC	10261	C -31 4833		
13	10.6	9.4W	36 6.864	0.0021	21	-34 40 53.41	0.039	21	0.41	6.828	22	33.2	54.06	21	33.2	K2 L	C7	3469	C -34 3763		
14		8.4T	36 8.243	0.0013	18	-35 59 48.05	0.024	13	0.76	8.183	21	05.0	49.17	21	03.4	A0	GC	10262	C -35 3743		
15		9.1R	36 12.564	-0.0024	17	-30 31 33.99	0.014	17	0.32	12.605	16	33.1	34.22	16	33.1	F8 J	13B	4237	J -30 4847		
16		7.2T	36 14.422	0.0021	13	-31 20 20.03	-0.023	12	0.67	14.316	17	00.4	18.79	18	96.6	F0	GC	10267	C -31 4838		
17	10.0	9.9W	36 19.739	-0.0038	13	-35 8 9.96	0.035	13	0.26	19.791	15	36.2	10.45	21	36.2	F5 L	C8	3157	C -34 3764		
18	9.6	8.4W	36 19.823	-0.0007	09	-39 21 21.84	0.007	09	0.22	19.813	15	36.2	21.94	21	36.2	K0	C8	3158	C -39 3455		
19	9.9	8.8W	36 20.534	-0.0035	08	-36 23 22.38	0.026	08	0.21	20.581	15	36.2	22.74	21	36.2	K2	C8	3159	C -36 3765		
20	9.5	9.0W	36 22.629	-0.0009	21	-30 39 5.98	-0.004	21	0.41	22.645	22	33.2	5.91	21	33.2	K0	C7	3471	C -30 4853		
21	7.6	7.9W	36 24.337	-0.0019	21	-34 51 56.05	-0.005	21	0.41	24.368	22	33.2	55.96	21	33.2	A0	C7	3472	C -34 3766		
22	8.8	8.6W	36 28.439	-0.0027	21	-32 23 10.16	-0.044	21	0.41	28.485	22	33.2	9.42	21	33.2	F8	C7	3473	C -32 4236		
23	9.5	8.2W	36 30.788	0.0001	21	-32 38 44.08	-0.008	21	0.41	30.787	22	33.2	43.94	21	33.2	K0	C7	3474	C -32 4239		
24		7.2T	36 31.926	-0.0050	17	-31 44 47.01	0.030	13	0.76	32.166	18	02.4	48.50	18	99.5	K0	GC	10272	C -31 4847		
25	7.9	8.1W	36 41.270	-0.0024	09	-38 35 25.90	-0.004	09	0.22	41.303	15	36.2	25.84	21	36.2	A0	C8	3161	C -38 3520		
26		6.5T	36 41.394	0.0005	11	-39 52 36.22	0.016	11	0.61	41.370	22	98.7	37.09	21	95.9	A0	GC	10278	C*-39 3463		
27	8.2	8.6W	36 44.022	-0.0001	13	-39 34 40.97	-0.017	13	0.26	44.024	15	36.2	40.74	21	36.2	B9	C8	3162	C -39 3464		
28	10.5	9.2W	36 46.753	0.0011	21	-31 40 6.77	-0.092	21	0.41	46.735	22	33.2	5.22	21	33.2		C7	3476	C -31 4853		
29		6.2T	36 47.526	0.0020	12	-38 39 56.63	-0.030	09	0.56	47.426	17	99.9	54.98	18	95.0	G5	GC	10284	C -38 3521		
30	8.5	8.3W	36 48.248	-0.0010	21	-31 36 56.60	-0.064	21	0.41	48.265	22	33.2	55.52	21	33.2	F5	C7	3477	C -31 4854		
31	10.2		36 48.436	-0.0034	18	-37 2 2.79	-0.011	18	0.31	48.483	15	36.2	2.64	21	36.2	A2 L	C8	3164	C -36 3771		
32	8.0	8.4W	36 48.666	0.0024	21	-31 2 19.14	0.010	21	0.41	48.625	22	33.2	19.31	21	33.2	B9	C7	3478	C -30 4866		
33	10.8	9.8W	36 48.738	-0.0017	09	-36 23 9.13	-0.028	09	0.22	48.762	15	36.2	8.74	21	36.2	G5 L	C8	3165	C -36 3770		
34	8.2	8.6W	36 50.318	-0.0009	21	-30 20 48.83	0.003	21	0.41	50.333	22	33.2	48.89	21	33.2	B9	C7	3479	C -30 4868		
35	10.4	9.1W	36 50.694	-0.0049	13	-36 20 45.13	0.008	13	0.26	50.762	15	36.2	45.25	21	36.2		C8	3166	C -36 3772		
36	10.6	9.1W	36 51.317	-0.0017	21	-30 45 2.13	-0.031	21	0.41	51.345	22	33.2	1.61	21	33.2		C7	3480	C -30 4869		
37		5.7T	36 55.091	-0.0011	07	-36 22 53.93	-0.001	06	0.31	55.139	12	04.9	53.88	12	00.2	B5	GC	10291	C*-36 3773		
38	8.8	8.0W	36 56.765	-0.0020	13	-35 41 16.88	-0.039	13	0.26	56.792	15	36.2	16.34	21	36.2	K0	C8	3168	C -35 3750		
39	8.7	8.8W	36 57.607	-0.0039	13	-35 22 15.35	0.021	13	0.26	57.661	15	36.2	15.64	21	36.2	A5	C8	3169	C -35 3751		
40	8.2	8.5W	37 0.929	0.0021	21	-30 1 24.15	-0.010	21	0.41	0.893	22	33.2	23.99	21	33.2	B8	C7	3481	C -29 4711		
41	10.3	9.3W	37 7.864	-0.0002	21	-33 47 0.34	0.019	21	0.41	7.867	22	33.2	0.65	21	33.2	K0 L	C7	3482	C -33 3995		
42	9.8	9.5W	37 8.304	-0.0020	09	-36 3 3.78	-0.003	09	0.22	8.331	15	36.2	3.74	21	36.2	F2 L	C8	3170	C -35 3754		
43	8.9	8.6W	37 11.575	-0.0024	21	-31 59 18.59	0.020	21	0.41	11.615	22	33.2	18.92	21	33.2	G0	C7	3483	C -31 4862		
44	9.7	9.9W	37 11.904	-0.0006	09	-36 17 34.80	-0.019	09	0.22	11.912	15	36.2	34.54	21	36.2	A2	C8	3171	C -36 3776		
45	9.8	9.6W	37 17.691	-0.0051	13	-35 12 32.82	0.001	13	0.26	17.761	15	36.2	32.84	21	36.2	F2 L	C8	3172	C -35 3755		
46	8.3	8.4W	37 22.202	-0.0007	21	-31 11 10.18	0.043	21	0.41	22.215	22	33.2	10.91	21	33.2	B1	C7	3484	C -31 4864		
47	9.9	8.8W	37 25.344	0.0006	21	-30 55 7.72	-0.042	21	0.41	25.335	22	33.2	7.01	21	33.2	K2	C7	3485	C -30 4883		
48	8.2	8.5W	37 26.199	0.0006	21	-34 42 21.98	0.010	21	0.41	26.188	22	33.2	22.16	21	33.2	B8	C7	3486	C -34 3780		
49	9.6	8.2W	37 31.683	0.0003	21	-33 39 47.47	0.011	21	0.41	31.677	22	33.2	47.65	21	33.2	K2	C7	3487	C -33 4006		
50	9.9	9.0W	37 36.190	-0.0010	21	-33 5 36.83	0.001	21	0.41	36.207	22	33.2	36.84	21	33.2		C7	3488	C -32 4261		
51		8.0T	7 37 36.728	-0.0041	22	-38 19 43.08	-0.021	17	0.93	36.910	24	05.6	42.10	22	03.0	K2	GC	10309	C -38 3530		
52	9.5	9.3W	37 40.372	-0.0036	13	-36 7 38.12	-0.035	13	0.26	40.422	15	36.2	37.65	21	36.2	A3	C8	3174	C -35 3761		
53		4.9T	37 41.560	-0.0018	06	-38 11 32.04	0.002	05	0.28	41.640	12	05.6	32.15	10	00.2	B3	GC	10311	C*-38 3531		
54	11.0	9.7W	37 41.710	-0.0024	15	-36 41 46.77	-0.031	15	0.28	41.743	15	36.2	46.34	21	36.2		C8	3176	C -36 3782		
55	9.5	8.6W	37 41.834	-0.0002	21	-33 58 18.11	-0.039	21	0.41	41.837	22	33.2	17.45	21	33.2	K0	C7	3489	C -33 4010		
56	9.2	9.5W	37 42.724	-0.0012	21	-30 32 30.40	0.048	21	0.41	42.745	22	33.2	31.21	21	33.2	A0	C7	3490	C -30 4891		
57	9.9		37 43.952	-0.0001	18	-37 47 8.08	0.004	18	0.31	43.952	15	36.2	8.14	21	36.2	A2	C8	3177	C -37 3761		
58	9.2	7.8W	37 44.712	-0.0008	09	-38 44 53.04	0.036	09	0.22	44.723	15	36.2	53.55	21	36.2	K0	C8	3178	C -38 3532		
59	8.9	9.0W	37 46.458	-0.0025	13	-37 14 34.14	0.007	13	0.26	46.492	15	36.2	34.24	21	36.2	B9	C8	3179	C -37 3762		
60	7.8	8.2W	37 48.376	-0.0004	07	-36 23 14.09	-0.011	07	0.21	48.382	15	36.2	13.95	21	36.2	B8	C8	3180	C -36 3785		
61	9.4	9.4W	37 48.556	+0.0036	21	-33 12 53.78	0.010	21	0.41	48.617	22	33.2	53.94	21	33.2	A	C7	3491	C -33 4012		
62	8.9	7.8W	37 50.088	0.0012	21	-34 14 45.89	0.004	21	0.41	50.067	22	33.2	45.95	21	33.2	K2	C7	3492	C -34 3785		
63	8.0	7.8W	37 50.507	0.0004	07	-35 34 32.12	-0.064	07	0.21	50.501	15	36.2	31.25	21	36.2	F0	C8	3181	C -35 3764		
64	8.0	7.7W	37 54.296	-0.0005	21	-32 27 43.98	-0.027	21	0.41	54.305	22	33.2	43.52	21	33.2	OE5	C7	3493	C -32 4266		
65		5.7T	37 57.705	-0.0022	07	-38 1 23.49	0.009	06	0.32	57.798	14	07.7	23.93	12	01.7	B5	GC	10316K	C*-37 3767		
66	9.1	8.9W	38 1.186	-0.0004	13	-36 7 7.28	-0.054	13	0.26	1.192	15	36.2	6.54	21	36.2	F5	C8	3183	C -35 3768		
67	8.6	8.9W	38 1.628	-0.0017	21	-32 35 47.04	0.012	21	0.41	1.657	22	33.2	47.24	21	33.2	A2	C7	3494	C -32 4269		
68		5.8T	38 1.910	-0.0015	06	-38 8 39.65	0.002	05	0.29	1.976	12	05.9	39.76	12	99.3	B5	GC	10323	C*-37 3768		
69	8.7	9.1W	38 2.137	0.0007	21	-31 23 46.27	0.002	21	0.41	2.125	22	33.2	46.31	21	33.2	B5	C7	3495	C -31 4879		
70	9.7	8.3W	38 5.447	-0.0004	13	-37 2 40.82	0.016	13	0.26	5.453	15	36.2	41.05	21	36.2	A5	C8	3185	C -36 3788		
71		7.3T	38 5.859	-0.0006	13	-30 3 8.58	0.006	13	0.70	5.888	18	00.0	8.90	19	97.7	K0	GC	10327	C -29 4737		
72		7.9T	38 7.115	-0.0036	26	-38 25 54.68	0.000	15	0.95	7.271	24	06.6	54.69	21	03.4	B8	GC	10330	C -38 3538		
73		6.0T	38 10.830	-0.0005	07	-37 27 46.01	-0.012	05	0.30	10.852	12	07.5	45.46	10	04.0	B3	GC	10332	C*-37 3770		
74	8.2	8.5W	38 11.464	0.0015	10	-37 15 28.64	0.007	10	0.23	11.443	15	36.2	28.74	21	36.2	B9	C8	3188	C -37 3771		
75		9.1R	38 13.284	0.0031	17	-30 24 16.91	-0.076	17	0.32	13.231	16	33.1	15.63	16	33.1	G0 M	13B	4275	J -30 4904		
76	10.3	9.5W	38 15.594	-0.0009	21	-34 48 5.62	-0.010	21	0.41	15.608	22	33.2	5.46	21	33.2	K0 L	C7	3497	C -34 3791		
77	9.4	9.6W	38 19.305	-0.0012	21	-32 1 54.97	0.021	21	0.41	19.325	22	33.2	55.32	21	33.2	A0	C7	3498	C -31 4884		
78	9.6	9.6W	38 24.351	-0.0036	13	-35 25 5.59	-0.011	13	0.26	24.401	15	36.2	5.44	21	36.2	A2	C8	3189	C -35 3773		
79		9.2R	38 29.549	-0.0045	17	-30 23 46.67	0.012	17	0.32	29.625	16	33.1	46.87	16	33.1	B9 J	13B	4284	J -30 4910		
80	9.4	9.5W	38 31.614	-0.0057	13	-39 29 15.18	-0.003	13	0.26	31.693	15	36.2	15.14	21	36.2	A0	C8	3190	C -39 3480		
81	8.1	8.5W	38 33.474	-0.0008	21	-33 56 7.13	-0.010	21	0.41	33.487	22	33.2	6.95	21	33.2	B9	C7	3499	C -33 4027		
82		6.6T	38 36.032	-0.0003	22	-39 18 12.45	-0.113	18	0.97	36.046	21	04.2	7.12	21	02.8	K0	GC	10341	C*-39 3481		
83	7.6	7.3W	38 36.906	-0.0048	21	-33 18 39.78	0.129	21	0.41	36.987	22	33.2	41.94	21	33.2	F8	C7	3500	C -33 4028		
84		9.1R	38 47.691	-0.0030	17	-30 3 3.86	-0.014	17	0.32	47.741	16	33.1	3.63	16	33.1	B9 J	13B	4287	J -29 4764		
85	8.0	8.4W	38 51.186	0.0000	21	-31 24 3.49	0.013	21	0.41	51.185	22	33.2	3.71	21	33.2	A0	C7	3501	C -31 4906		
86		6.6T	38 56.212	0.0007	12	-31 32 36.40	0.010	11	0.64	56.177	15	96.7	36.94	15	93.9	G0P	GC	10346	C -31 4910		
87	8.8	9.0W	38 56.965	-0.0012	21	-31 34 16.31	0.007	21	0.41	56.985	22	33.2	16.42	21	33.2		C7	3503	C -31 4911		
88	9.8	9.5W	38 58.012	0.0007	13	-35 31 28.95	-0.008	13	0.26	58.001	15	36.2	28.84	21	36.2	F8	C8	3194	C -35 3777		
89	9.7	9.4W	39 7.258	0.0018	13	-37 21 6.90	0.010	13	0.26	7.233	15	36.2	7.04	21	36.2	F5	C8	3195	C -37 3784		
90		9.2R	39 10.183	-0.0021	20	-30 5 30.05	-0.008	20	0.37	10.218	16	33.1	29.92	16	33.1	B9 J	13B	4297	J -29 4775		
91	9.0	7.3W	39 11.863	0.0000	13	-36 45 2.87	-0.024	13	0.26	11.863	15	36.2	2.54	21	36.2	K2	C8	3196	C -36 3803		
92	10.5	9.6W	39 15.665	-0.0006	18	-39 10 56.58	-0.032	18	0.31	15.673	15	36.2	56.14	21	36.2	G2 L	C8	3198	C -39 3490		
93	7.9	7.7W	39 18.265	-0.0019	21	-32 31 34.40	-0.021	21	0.41	18.297	22	33.2	34.04	21	33.2	OE5	C7	3504	C -32 4287		
94	9.6	8.6W	39 23.421	-0.0013	10	-39 18 26.48	-0.010	10	0.23	23.403	15	36.2	26.34	21	36.2	G5	C8	3199	C -39 3492		
95	9.2	9.2W	39 25.082	-0.0008	13	-39 11 36.37	0.012	13	0.26	25.093	15	36.2	36.54	21	36.2	A0	C8	3200	C -39 3494		
96	9.7	8.7W	39 26.601	-0.0016	18	-37 28 46.81	-0.012	18	0.31	26.623	15	36.2	46.64	21	36.2	K0 L	C8	3201	C -37 3788		
97	7.4	7.7W	39 29.899	-0.0010	09	-39 7 5.91	0.009	09	0.22	29.913	15	36.2	6.04	21	36.2	B9	C8	3202	C -38 3558		
98		5.5T	39 30.232	-0.0020	06	-38 24 56.51	0.011	05	0.29	30.317	12	07.7	57.04	12	02.3	B2	GC	10355	C*-38 3556		
99	9.4	9.6W	39 33.193	0.0000	13	-37 3 50.84	-0.007	13	0.26	33.193	15	36.2	50.74	21	36.2	A0	C8	3204	C -36 3808		
00	11.2	9.5W	39 35.141	-0.0081	13	-36 49 2.84	0.022	13	0.26	35.253	15	36.2	3.14	21	36.2		C8	3205	C -36 3809		

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 7H DM NUMBER
1	8.7	8.8W	7 39 36.067	0.0007	21	-31 16 21.16	-0.009	21	0.41	36.055	22	33.2	21.01	21	33.2	A3		C7	3505	C -31 4926
2	7.2	7.7W	39 41.615	0.0016	21	-33 37 20.43	-0.010	21	0.41	41.587	22	33.2	20.25	21	33.2	B8		C7	3506	C -33 4042
3	9.8	10.0W	39 44.205	0.0017	18	-36 3 43.80	-0.048	18	0.31	44.182	15	36.2	43.14	21	36.2	A2	L	C8	3208	C -35 3787
4	10.1	8.5W	39 45.654	-0.0020	21	-34 14 12.12	0.002	21	0.41	45.688	22	33.2	12.15	21	33.2	K5	L	C7	3507	C -34 3815
5	10.1	9.1W	39 48.433	-0.0025	21	-32 15 32.44	-0.001	21	0.41	48.475	22	33.2	32.42	21	33.2	K5	L	C7	3508	C -32 4298
6	9.7	8.3W	39 50.534	-0.0024	21	-31 34 6.47	0.015	21	0.41	50.575	22	33.2	6.72	21	33.2	K5		C7	3509	C -31 4935
7	10.2	8.7W	39 51.191	-0.0010	21	-34 4 9.61	-0.009	21	0.41	51.208	22	33.2	9.45	21	33.2	K5	L	C7	3510	C -33 4044
8	9.0	8.8W	39 51.453	-0.0042	21	-30 16 3.37	-0.029	21	0.41	51.523	22	33.2	2.89	21	33.2	F8		C7	3511	C -30 4943
9		9.1R	39 54.665	0.0009	20	-30 4 59.83	-0.023	20	0.37	54.650	16	33.1	59.44	16	33.1	A0	J	138	4306	J -29 4796
10		9.0R	39 58.445	-0.0021	17	-30 14 58.54	-0.023	17	0.32	58.481	16	33.1	58.15	16	33.1	A0	J	138	4309	J -30 4947
11		7.0T	40 5.281	0.0014	11	-31 57 36.80	-0.003	09	0.45	5.226	15	09.7	36.66	15	07.7	F0		GC	10371	C -31 4940
12		6.9T	40 7.993	-0.0011	12	-30 4 4.20	-0.015	13	0.69	8.050	17	97.3	3.42	17	97.2	B3		GC	10372	C -29 4805
13		9.1R	40 9.053	0.0019	20	-30 5 0.93	0.008	20	0.37	9.021	16	33.1	1.07	16	33.1	A0	M	138	4315	J -29 4806
14	10.0	9.1W	40 11.327	0.0001	21	-30 58 36.02	0.023	21	0.41	11.325	22	33.2	36.41	21	33.2	K2		C7	3514	C -30 4952
15		6.2T	40 12.357	-0.0020	11	-38 24 35.81	0.000	08	0.56	12.460	19	98.9	35.82	18	91.2	B8		GC	10374	C -38 3564
16	8.8	9.2W	40 12.531	0.0015	21	-30 48 12.47	0.026	21	0.41	12.505	22	33.2	12.91	21	33.2	B8		C7	3515	C -30 4953
17	8.8	7.6W	40 14.027	-0.0025	18	-38 13 47.44	0.007	18	0.31	14.062	15	36.2	47.54	21	36.2	G5		C8	3210	C -38 3566
18	8.6	9.1W	40 14.260	-0.0016	21	-32 49 36.72	-0.022	21	0.41	14.287	22	33.2	36.34	21	33.2	B8		C7	3516	C -32 4309
19	7.6	8.1W	40 20.979	0.0009	21	-30 7 19.26	0.025	21	0.41	20.963	22	33.2	19.69	21	33.2	B9		C7	3517	C -29 4812
20		8.3T	40 25.634	-0.0041	18	-38 23 59.31	0.026	18	0.86	25.818	24	05.1	+ 0.49	24	04.8	A5		GC	10379	C -38 3569
21	8.4	8.8W	40 26.551	0.0004	21	-31 37 17.31	0.013	21	0.41	26.545	22	33.2	17.52	21	33.2	B5		C7	3518	C -31 4946
22	9.3	9.2W	40 30.243	-0.0020	21	-32 35 34.12	-0.046	21	0.41	30.277	22	33.2	33.34	21	33.2	F2		C7	3519	C -32 4312
23	7.8	8.2W	40 31.798	-0.0003	07	-36 1 46.66	-0.016	07	0.21	31.802	15	36.2	46.44	21	36.2	A0		C8	3212	C -35 3796
24		9.2R	40 36.213	-0.0006	17	-30 21 47.11	0.028	17	0.32	36.223	16	33.1	47.58	16	33.1	K0	M	138	4327	J -30 4967
25	10.4	8.9W	40 37.633	-0.0009	21	-33 53 52.70	0.021	21	0.41	37.647	22	33.2	53.06	21	33.2			C7	3520	C -33 4059
26	9.6	8.9W	40 38.082	-0.0029	13	-36 16 8.09	0.025	13	0.26	38.121	15	36.2	8.44	21	36.2	K0	L	C8	3213	C -36 3819
27	9.2	8.9W	40 43.456	-0.0012	18	-37 59 19.02	0.038	18	0.31	43.472	15	36.2	19.55	21	36.2	A3		C8	3214	C -37 3806
28	8.9	9.1W	40 43.796	0.0010	07	-36 8 47.06	-0.023	07	0.21	43.782	15	36.2	46.75	21	36.2	A0		C8	3215	C -35 3798
29	9.7	9.9W	40 44.452	0.0008	18	-35 25 37.39	-0.040	18	0.31	44.441	15	36.2	36.84	21	36.2	A3	L	C8	3216	C -35 3799
30	9.5	9.1W	40 44.554	-0.0038	21	-33 39 37.52	-0.117	21	0.41	44.617	22	33.2	35.55	21	33.2	G0		C7	3521	C -33 4060
31	7.3	7.6W	40 45.287	-0.0011	07	-36 15 19.72	-0.006	07	0.21	45.302	15	36.2	19.64	21	36.2	B8		C8	3217	C -36 3820
32	6.9	7.3W	40 46.133	-0.0007	09	-39 4 55.42	0.009	09	0.22	46.143	15	36.2	55.54	21	36.2	B9		C8	3218	C -38 3575
33	9.9	8.5W	40 52.216	-0.0011	21	-33 5 49.69	0.021	21	0.41	52.237	22	33.2	50.04	21	33.2	K0		C7	3522	C -32 4320
34	9.8	9.4W	40 54.558	-0.0032	09	-36 13 51.35	-0.073	09	0.22	54.602	15	36.2	50.34	21	36.2	G2	L	C8	3220	C -36 3821
35		9.0R	40 56.694	0.0004	20	-30 5 16.47	-0.034	20	0.37	56.687	16	33.1	15.90	16	33.1	F0	M	138	4333	J -29 4829
36	9.9	8.9W	40 57.233	-0.0019	21	-31 32 8.28	-0.009	21	0.41	57.265	22	33.2	8.12	21	33.2	K0		C7	3523	C -31 4958
37	9.2	9.0W	41 4.214	0.0027	21	-34 45 19.49	-0.097	21	0.41	4.168	22	33.2	17.86	21	33.2	F2		C7	3524	C -34 3832
38	9.2	9.0W	41 4.630	0.0003	21	-31 46 59.25	0.040	21	0.41	4.625	22	33.2	59.92	21	33.2	F8		C7	3525	C -31 4961
39	7.5	7.4W	41 9.128	-0.0065	21	-33 11 35.96	0.041	21	0.41	9.237	22	33.2	36.64	21	33.2	F0		C7	3526	C -33 4064
40	8.9	9.1W	41 9.553	-0.0013	23	-35 28 10.65	-0.022	23	0.37	9.571	15	36.2	10.35	21	36.2	A0		C8	3222	C -35 3805
41	10.3	9.2W	41 17.250	-0.0016	21	-32 30 4.51	0.014	21	0.41	17.277	22	33.2	4.74	21	33.2	K0	L	C7	3527	C -32 4327
42		6.7T	41 21.648	0.0002	26	-38 44 37.75	-0.020	22	1.05	21.640	22	07.6	36.89	22	06.7	G5		GC	10400	C -38 3583
43		5.6T	41 22.105	-0.0021	05	-35 55 48.63	0.006	05	0.24	22.190	10	08.8	48.90	10	05.2	B8		GC	10401	C*-35 3809
44	10.4	9.3W	41 22.856	-0.0047	23	-35 13 46.24	0.007	23	0.37	22.921	15	36.2	46.35	21	36.2			C8	3225	C -35 3808
45	7.3	7.5W	41 23.331	-0.0016	21	-33 40 58.17	0.029	21	0.41	23.357	22	33.2	58.65	21	33.2	A0		C7	3528	C -33 4069
46	9.3	7.4W	41 43.659	-0.0003	07	-36 34 15.83	0.008	07	0.21	43.663	15	36.2	15.94	21	36.2	K5		C8	3229	C -36 3831
47	9.1	8.2W	41 44.182	-0.0014	06	-38 1 1.67	0.005	06	0.20	44.232	15	36.2	1.74	21	36.2	G5		C8	3230	C -37 3816
48		9.1R	41 44.844	-0.0030	20	-30 20 25.85	-0.019	20	0.37	44.894	16	33.1	25.53	16	33.1	B9	J	138	4349	J -30 4992
49	8.2	8.5W	41 47.757	0.0003	06	-36 58 7.21	-0.027	06	0.20	47.753	15	36.2	6.84	21	36.2	B8		C8	3231	C -36 3832
50	10.4	8.9W	41 48.252	-0.0029	13	-35 30 33.85	-0.059	13	0.26	48.292	15	36.2	33.04	21	36.2	K2	L	C8	3232	C -35 3813
51	9.0	9.4W	7 41 51.877	0.0007	21	-32 0 5.87	0.027	21	0.41	51.865	22	33.2	6.32	21	33.2	B9		C7	3529	C -31 4981
52		6.4T	41 56.499	-0.0027	07	-38 4 52.98	0.004	05	0.31	56.620	14	05.4	53.19	21	00.5	B5		GC	10421	C*-37 3820
53		7.6T	41 58.714	-0.0014	16	-36 5 51.31	-0.001	11	0.67	58.777	19	03.9	51.26	21	00.3	A2		GC	10424	C -35 3817
54		8.6T	42 2.731	-0.0001	16	-39 45 14.11	0.019	13	0.74	2.737	21	02.6	15.09	19	98.9	B9		GC	10426K	C -39 3531
55		9.7T	42 2.861	0.0007	15	-39 45 6.85	0.003	13	0.73	2.829	24	02.8	7.01	21	98.8			GC	10427K	C -39 3531
56	9.8	9.7W	42 5.312	0.0094	21	-30 23 13.41	0.040	21	0.41	5.153	22	33.2	14.09	21	33.2	F2		C7	3530	C -30 5007
57		8.1T	42 5.365	-0.0011	16	-37 35 57.57	0.011	11	0.68	5.417	21	03.0	58.13	21	00.0	B8		GC	10430	C -37 3826
58	8.7	7.8W	42 7.957	-0.0004	21	-31 12 41.49	0.001	21	0.41	7.965	22	33.2	41.51	21	33.2	G5		C7	3531	C -31 4984
59	9.0	8.2W	42 8.007	-0.0017	21	-31 5 45.24	0.028	21	0.41	8.035	22	33.2	45.71	21	33.2	G5		C7	3532	C -30 5010
60		7.4T	42 12.960	-0.0008	14	-31 33 33.54	0.022	12	0.69	13.002	15	00.5	34.65	18	98.7	F0		GC	10435	C -31 4987
61	9.2	8.3W	42 15.676	-0.0011	21	-32 20 29.38	-0.039	21	0.41	15.695	22	33.2	28.72	21	33.2	G5		C7	3535	C -32 4344
62	9.3	8.4W	42 16.194	-0.0014	07	-38 1 17.96	0.006	07	0.21	16.212	15	36.2	18.04	21	36.2	G5		C8	3238	C -37 3827
63		8.9R	42 17.059	0.0003	20	-30 11 46.93	-0.022	20	0.37	17.054	16	33.1	46.56	16	33.1	K7	M	138	4364	J -30 5013
64	7.0	7.4W	42 17.179	-0.0003	09	-38 41 49.46	0.006	09	0.22	17.183	15	36.2	49.55	21	36.2	B9		C8	3239	C -38 3598
65		9.1R	42 19.315	0.0019	20	-30 7 28.82	0.000	20	0.37	19.283	16	33.1	28.82	16	33.1	A0	J	138	4365	J -29 4866
66		5.8T	42 19.932	-0.0074	06	-35 56 33.10	0.073	06	0.32	20.274	14	03.6	36.70	14	00.7	A5		GC	10440	C -35 3825
67	7.4	7.7W	42 22.569	0.0015	21	-30 6 49.30	-0.019	21	0.41	22.543	22	33.2	48.99	21	33.2	A0		C7	3536	C -29 4868
68	10.4	8.7W	42 22.569	0.0012	09	-37 2 38.89	0.011	09	0.22	22.552	15	36.2	39.04	21	36.2	K5		C8	3241	C -36 3841
69	10.5	9.7W	42 24.620	-0.0029	21	-34 33 3.56	0.005	21	0.41	24.668	22	33.2	3.66	21	33.2			C7	3537	C -34 3850
70	9.9	9.0W	42 31.975	-0.0013	21	-33 6 1.60	0.003	21	0.41	31.997	22	33.2	1.64	21	33.2	B	L	C7	3538	C -32 4348
71		9.1R	42 32.291	0.0007	17	-30 8 42.04	0.071	17	0.32	32.280	16	33.1	43.24	16	33.1	F2	J	138	4368	J -29 4874
72	9.3	9.6W	42 33.325	-0.0041	09	-36 4 50.68	-0.032	09	0.22	33.382	15	36.2	50.25	21	36.2	A0		C8	3242	C -35 3830
73	8.6	8.1W	42 38.980	-0.0009	21	-32 7 2.97	-0.056	21	0.41	38.995	22	33.2	2.02	21	33.2	B0		C7	3539	C -31 4998
74	8.0	8.3W	42 40.164	0.0002	06	-37 32 30.24	0.007	06	0.20	40.162	15	36.2	30.35	21	36.2	B8		C8	3243	C -37 3837
75	8.4	8.6W	42 41.282	-0.0030	13	-37 51 59.02	-0.006	13	0.26	41.322	15	36.2	58.94	21	36.2	A0		C8	3244	C -37 3838
76	9.2	9.1W	42 42.621	-0.0030	09	-38 39 24.98	-0.003	09	0.22	42.663	15	36.2	24.95	21	36.2	A5	L	C8	3245	C -38 3604
77	7.9	8.1W	42 44.892	-0.0023	21	-35 0 38.48	-0.056	21	0.41	44.930	22	33.2	37.54	21	33.2	A2		C7	3540	C -34 3856
78	10.4	8.9W	42 45.541	-0.0002	21	-31 36 56.61	0.007	21	0.41	45.545	22	33.2	56.72	21	33.2			C7	3541	C -31 5000
79		5.9T	42 47.281	-0.0021	06	-37 49 17.54	0.002	05	0.29	47.380	12	03.0	17.65	12	00.0	B8		GC	10450	C*-37 3841
80	9.1	9.0W	42 48.479	-0.0004	21	-31 10 40.07	0.008	21	0.41	48.485	22	33.2	40.21	21	33.2	F5		C7	3542	C -31 5001
81	9.8	9.5W	42 48.590	0.0007	07	-35 8 47.13	-0.021	07	0.21	48.581	15	36.2	46.84	21	36.2	F5	L	C8	3247	C -34 3858
82	8.9	9.4W	42 50.334	0.0004	21	-32 46 44.11	-0.010	21	0.41	50.327	22	33.2	43.94	21	33.2	B9		C7	3543	C -32 4358
83		9.0R	42 53.574	-0.0011	20	-30 29 16.27	0.042	20	0.37	53.593	16	33.1	16.98	16	33.1	A0	J	138	4373	J -30 5027
84	9.0	8.5W	42 53.605	-0.0073	21	-33 36 38.91	0.175	21	0.41	53.727	22	33.2	41.85	21	33.2	G5		C7	3544	C -33 4094
85	9.0	9.2W	42 58.066	0.0000	21	-30 59 18.97	0.032	21	0.41	58.065	22	33.2	19.51	21	33.2	A3		C7	3545	C -30 5030
86	7.3	7.6W	42 58.181	-0.0022	07	-37 55 54.94	0.022	07	0.21	58.212	15	36.2	55.24	21	36.2	A0		C8	3248	C -37 3847
87	9.1	9.4W	43 13.242	-0.0025	21	-30 35 58.92	0.011	21	0.41	13.285	22	33.2	59.11	21	33.2	B8		C7	3546	C -30 5036
88	9.4	9.2W	43 13.665	-0.0017	21	-31 8 2.64	-0.026	21	0.41	13.695	22	33.2	2.21	21	33.2	F5		C7	3547	C -30 5038
89	7.7	7.8W	43 14.973	0.0001	09	-38 2 10.57	-0.002	09	0.22	14.972	15	36.2	10.54	21	36.2	A0		C8	3250	C -37 3860
90		6.5T	43 17.602	-0.0025	11	-37 45 56.06	0.005	10	0.61	17.738	19	95.9	56.35	19	93.1	B3		GC	10458	C*-37 3861
91	10.6	9.9W	43 17.802	-0.0001	21	-30 42 37.44	0.016	21	0.41	17.805	22	33.2	37.71	21	33.2	K0	L	C7	3548	C -30 5040
92	10.3	9.2W	43 19.551	-0.0034	21	-33 34 49.37	0.029	21	0.41	19.607	22	33.2	49.85	21	33.2	K2	L	C7	3549	C -33 4100
93	9.4	9.6W	43 19.735	-0.0017	21	-30 25 22.04	0.002	21	0.41	19.763	22	33.2	22.09	21	33.2	A3		C7	3550	C -30 5041
94	9.2	9.1W	43 23.796	-0.0011	21	-31 47 8.68	-0.063	21	0.41	23.815	22	33.2	7.62	21	33.2	F8		C7	3551	C -31 5019
95	10.1		43 24.174	-0.0021	23	-36 36 54.31	0.002	23	0.37	24.202	15	36.2	54.34	21	36.2	A5	L	C8	3252	C -36 3854
96		7.4T	43 24.713	-0.0004	12	-39 43 34.98	0.006	11	0.62	24.734	21	99.9	35.30	19	97.3	K2		GC	10461	C -39 3562
97	9.5	9.3W	43 27.771	0.0008	21	-34 14 2.10	-0.038	21	0.41	27.758	22	33.2	1.45	21	33.2	F8	L	C7	3552	C -34 3870
98		3.7T	43 28.327	-0.0012	04	-37 50 46.51	-0.001	03	0.17	28.378	06	08.0	46.47	07	01.8	K5		GC	10462	C*-37 3863
99	8.3	8.8W	43 36.833	-0.0013	21	-32 3 49.41	0.007	21	0.41	36.855	22	33.2	49.52	21	33.2	A0		C7	3553	C*-31 5025
00		7.9T	43 36.870	-0.0028	15	-39 13 21.80	0.018	13	0.74	37.007	22	01.3	22.74	21	98.2	A0		GC	10467	C -39 3565

198400			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-30° 7H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER
1		6.9T	7 43 39.777	-0.0028	12	-37 28 24.47	0.034	12	0.65	39.919	17	99.3	26.30	19	96.4	A0	GC	10471	C*-37 3868
2	10.1	9.5W	43 42.013	0.0005	21	-32 8 13.32	-0.000	21	0.41	42.005	22	33.2	13.32	21	33.2	G5 L	C7	3554	C -31 5027
3	10.0	9.9W	43 42.506	-0.0019	21	-33 35 16.33	-0.010	21	0.41	42.537	22	33.2	16.15	21	33.2	A3 L	C7	3555	C -33 4110
4		5.4T	43 42.998	-0.0236	06	-34 4 23.89	1.662	06	0.26	43.929	09	10.6	31.22	09	09.5	F8	GC	10473	C*-33 4113
5	9.2	9.5W	43 49.010	-0.0015	13	-35 14 12.05	-0.008	13	0.26	49.031	15	36.2	11.94	21	36.2	A0	C8	3257	C -35 3844
6	8.8	9.1W	43 50.980	-0.0016	13	-35 55 8.88	-0.003	13	0.26	51.002	15	36.2	8.84	21	36.2	B9	C8	3258	C -35 3846
7	8.8	8.7W	44 0.032	-0.0022	18	-38 50 53.29	0.033	18	0.31	0.063	15	36.2	53.74	21	36.2	A3	C8	3260	C -38 3632
8	10.2	9.5W	44 1.527	-0.0012	21	-33 6 3.96	0.047	21	0.41	1.547	22	33.2	4.74	21	33.2	G5 L	C7	3557	C -32 4378
9	7.9	8.3W	44 4.229	-0.0009	13	-35 13 52.75	-0.015	13	0.26	4.241	15	36.2	52.54	21	36.2	B8	C8	3262	C -35 3849
10	8.5	8.7W	44 5.668	-0.0010	07	-36 22 30.34	0.000	07	0.21	5.682	15	36.2	30.34	21	36.2	QE	C8	3263	C -36 3865
11	10.0	8.9W	44 6.717	0.0003	09	-36 47 49.66	0.013	09	0.22	6.713	15	36.2	49.84	21	36.2	G5	C8	3264	C -36 3866
12		9.0R	44 10.748	-0.0031	20	-30 1 9.09	0.041	20	0.37	10.801	16	33.1	9.79	16	33.1	F0 M	13B	4405	J -29 4917
13	9.5	9.5W	44 11.466	-0.0017	21	-30 45 20.44	0.004	21	0.41	11.495	22	33.2	20.51	21	33.2	A8 L	C7	3558	C -30 5061
14	10.4	9.8W	44 11.945	0.0018	21	-31 40 11.94	-0.001	21	0.41	11.915	22	33.2	11.92	21	33.2	G5 L	C7	3559	C -31 5038
15	8.8	8.9W	44 15.186	-0.0012	10	-39 19 17.17	-0.002	10	0.23	15.203	15	36.2	17.14	21	36.2	A2	C8	3265	C -39 3574
16		5.9T	44 23.349	-0.0035	11	-37 48 37.87	0.002	08	0.56	23.537	18	96.5	38.00	17	91.1	B8	GC	10485	C*-37 3886
17	8.2	8.7W	44 23.450	-0.0017	08	-37 58 41.39	0.004	08	0.21	23.472	15	36.2	41.45	21	36.2	A0	C8	3266	C -37 3887
18	7.5	8.0W	44 27.748	-0.0023	21	-33 18 6.75	-0.024	21	0.41	27.787	22	33.2	6.34	21	33.2	B9	C7	3560	C -33 4127
19		7.8T	44 31.772	0.0012	18	-37 46 25.62	0.025	14	0.81	31.717	24	03.6	26.86	22	00.5	B9	GC	10490	C -37 3890
20	9.5	7.9W	44 33.062	-0.0027	21	-33 28 37.01	0.026	21	0.41	33.107	22	33.2	37.44	21	33.2	K5	C7	3561	C -33 4128
21	10.1	9.3W	44 35.871	-0.0027	21	-32 34 29.35	-0.000	21	0.41	35.917	22	33.2	29.34	21	33.2	G5 L	C7	3562	C -32 4393
22		8.6T	44 38.249	0.0014	21	-32 10 50.89	0.002	21	0.41	38.225	22	33.2	50.92	21	33.2	A0 L	C7	3563	C -31 5049
23		6.5T	44 46.152	-0.0047	11	-37 38 54.31	-0.043	09	0.60	46.405	19	96.2	51.75	18	90.3	K0	GC	10493	C -37 3895
24		6.6T	44 49.895	-0.0011	10	-39 56 9.01	-0.003	08	0.51	49.955	17	96.7	8.84	15	93.3	B5	GC	10497	C -39 3587
25	9.3	9.5W	44 51.199	-0.0009	21	-31 9 57.93	-0.001	21	0.41	51.215	22	33.2	57.91	21	33.2	B8	C7	3564	C -30 5078
26	9.0	9.2W	44 58.245	0.0018	21	-32 4 11.61	0.019	21	0.41	58.215	22	33.2	11.92	21	33.2	A0	C7	3565	C -31 5058
27	11.0	9.5W	45 2.230	-0.0002	18	-37 2 25.67	-0.017	18	0.31	2.233	15	36.2	25.44	21	36.2	K0 L	C8	3272	C -36 3882
28	9.4	9.3W	45 2.645	-0.0034	13	-36 20 46.90	-0.033	13	0.26	2.692	15	36.2	46.44	21	36.2	F0 L	C8	3273	C -36 3883
29	9.8	9.8W	45 4.375	-0.0005	13	-36 27 36.46	-0.030	13	0.26	4.382	15	36.2	36.05	21	36.2	A3	C8	3274	C -36 3884
30	9.5	9.6W	45 5.281	-0.0045	13	-38 20 33.44	-0.014	13	0.26	5.342	15	36.2	33.24	21	36.2	A2	C8	3275	C*-38 3641
31	9.7	9.7W	45 14.088	-0.0004	21	-31 47 1.02	0.006	21	0.41	14.095	22	33.2	1.12	21	33.2	A2	C7	3566	C -31 5064
32	10.0	9.3W	45 14.215	-0.0043	21	-34 20 33.74	0.019	21	0.41	14.287	22	33.2	34.05	21	33.2	G5 L	C7	3567	C -34 3915
33	8.3	8.6W	45 15.656	-0.0001	21	-34 13 8.03	-0.016	21	0.41	15.657	22	33.2	7.75	21	33.2	B8	C7	3568	C -34 3917
34	9.5	9.7W	45 16.774	-0.0014	18	-38 23 42.68	-0.003	18	0.31	16.792	15	36.2	42.65	21	36.2	A2	C8	3276	C -38 3644
35		6.3T	45 21.024	-0.0015	13	-39 12 25.13	-0.007	12	0.67	21.099	21	00.2	24.76	18	96.9	B9	GC	10506	C -39 3595
36	8.8	8.9W	45 23.627	-0.0032	13	-35 15 22.70	0.003	13	0.26	23.671	15	36.2	22.74	21	36.2	A0	C8	3278	C -35 3873
37		6.6T	45 24.417	-0.0038	12	-35 56 56.85	0.036	11	0.63	24.602	19	01.0	58.70	18	98.7	K0	GC	10510	C*-35 3874
38		7.2T	45 24.671	0.0029	20	-37 50 47.88	-0.014	16	0.86	24.540	24	04.8	47.21	22	01.5	K0	GC	10511	C -37 3906
39	7.2	7.1W	45 25.027	-0.0026	09	-38 58 42.47	-0.002	09	0.22	25.063	15	36.2	42.45	21	36.2	F2	C8	3281	C -38 3647
40	7.9	7.9W	45 36.780	-0.0038	21	-30 25 25.17	0.036	21	0.41	36.843	22	33.2	25.79	21	33.2	B0	C7	3569	C -30 5098
41	10.1	9.0W	45 37.194	0.0037	14	-37 11 32.73	0.008	14	0.27	37.143	15	36.2	32.84	21	36.2	K0 L	C8	3282	C -37 3909
42		5.1T	45 38.727	-0.0011	07	-38 23 11.18	-0.002	05	0.29	38.772	12	09.2	11.09	12	02.2	B3	GC	10523K	C*-38 3650
43	8.7	8.7W	45 42.916	-0.0018	21	-32 44 5.00	-0.015	21	0.41	42.947	22	33.2	4.74	21	33.2	F0	C7	3570	C -32 4412
44	8.9	8.8W	45 44.166	-0.0025	21	-34 11 58.32	0.014	21	0.41	44.207	22	33.2	58.55	21	33.2	F2	C7	3571	C -34 3927
45	7.4	7.4W	45 47.770	-0.0040	21	-32 32 49.22	-0.046	21	0.41	47.837	22	33.2	48.44	21	33.2	A5	C7	3572	C -32 4413
46	8.1	8.3W	45 49.033	0.0001	09	-37 53 8.96	0.006	09	0.22	49.032	15	36.2	9.04	21	36.2	B8	C8	3284	C -37 3914
47	10.2	8.7W	45 50.192	-0.0027	21	-33 22 11.79	0.015	21	0.41	50.237	22	33.2	12.04	21	33.2	K5 L	C7	3573	C -33 4156
48		8.6R	45 51.567	-0.0007	17	-30 0 36.55	-0.011	17	0.32	51.578	16	33.1	36.36	16	33.1	B8 J	13B	4429	J -29 4956
49	8.6	8.7W	45 53.305	-0.0006	13	-38 33 7.22	-0.013	13	0.26	53.313	15	36.2	7.04	21	36.2	A0	C8	3285	C -38 3654
50	9.9		45 53.596	0.0024	30	-37 1 38.30	-0.019	30	0.45	53.563	15	36.2	38.04	21	36.2	A0	C8	3286	C -36 3903
51	9.6		7 45 57.630	-0.0017	18	-37 20 10.12	0.009	18	0.31	57.653	15	36.2	10.24	21	36.2	A0	C8	3287	C -37 3915
52	9.2	8.1W	46 2.278	-0.0022	21	-32 20 6.36	-0.020	21	0.41	2.315	22	33.2	6.02	21	33.2	K2	C7	3574	C -32 4416
53	8.9	9.2W	46 2.544	-0.0015	21	-34 42 37.84	-0.034	21	0.41	2.568	22	33.2	37.25	21	33.2	A0	C7	3575	C -34 3937
54	8.1	8.6W	46 12.265	0.0008	13	-39 45 26.79	-0.040	13	0.26	12.254	15	36.2	26.24	21	36.2	B9	C8	3288	C -39 3621
55	10.5		46 15.238	-0.0003	18	-36 18 43.46	-0.030	18	0.31	15.242	15	36.2	43.05	21	36.2	A8 L	C8	3289	C -36 3909
56		9.2R	46 19.983	-0.0033	20	-30 21 41.99	-0.031	20	0.37	20.038	16	33.1	41.46	16	33.1	G5 M	13B	4438	J -30 5116
57	9.9	8.6W	46 20.794	0.0008	13	-39 26 15.11	0.009	13	0.26	20.783	15	36.2	15.24	21	36.2	K0	C8	3290	C -39 3622
58	8.0	8.5W	46 22.764	0.0015	14	-37 33 7.56	-0.023	14	0.27	22.742	15	36.2	7.24	21	36.2	A0	C8	3291	C -37 3922
59	9.9	9.6W	46 24.589	0.0004	13	-37 9 12.96	-0.016	13	0.26	24.583	15	36.2	12.74	21	36.2	G0	C8	3292	C -? 3912
60	10.4	9.2W	46 26.405	-0.0005	21	-30 29 29.46	-0.011	21	0.41	26.413	22	33.2	29.28	21	33.2	K2 L	C7	3576	C -30 5121
61	9.1	9.3W	46 27.506	-0.0048	21	-33 26 27.46	-0.007	21	0.41	27.587	22	33.2	27.34	21	33.2	A0	C7	3577	C -33 4166
62	10.0	9.9W	46 34.902	-0.0066	13	-36 43 5.39	0.025	13	0.26	34.993	15	36.2	5.74	21	36.2	F0 L	C8	3293	C -36 3916
63	6.6	7.2W	46 38.156	-0.0006	21	-30 37 47.23	0.046	21	0.41	38.165	22	33.2	48.01	21	33.2	B5	C7	3578	C -30 5126
64		9.3R	46 38.566	-0.0000	20	-30 8 18.57	0.036	20	0.37	38.566	16	33.1	19.18	16	33.1	B8 M	13B	4442	J -29 4971
65	10.4	8.9W	46 39.027	0.0010	13	-36 38 28.60	0.003	13	0.26	39.013	15	36.2	28.64	21	36.2	K2 L	C8	3294	C -36 3917
66	9.3	8.1W	46 42.167	-0.0027	08	-39 51 40.37	0.005	08	0.21	42.204	15	36.2	40.44	21	36.2	K0	C8	3295	C -39 3633
67	9.2	9.2W	46 43.491	-0.0028	21	-33 48 6.08	-0.019	21	0.41	43.537	22	33.2	5.75	21	33.2	F0	C7	3579	C -33 4172
68	7.9	7.5W	46 44.573	-0.0191	21	-30 7 52.11	0.212	21	0.41	44.893	22	33.2	55.69	21	33.2	G5	C7	3581	C -29 4973
69		6.7T	46 44.621	-0.0019	07	-31 29 31.01	0.005	05	0.29	44.699	10	07.9	31.24	10	03.9	B8	GC	10545	C -31 5096
70	10.5	9.6W	46 45.835	0.0010	13	-35 14 37.51	-0.056	13	0.26	45.821	15	36.2	36.74	21	36.2	K2 L	C8	3296	C -35 3906
71	9.5	9.4W	46 53.786	0.0031	18	-38 42 8.11	0.024	18	0.31	53.743	15	36.2	8.44	21	36.2	F0	C8	3297	C -38 3674
72	9.5	9.7W	46 55.555	0.0001	30	-37 20 1.50	0.010	30	0.45	55.553	15	36.2	1.64	21	36.2	A0	C8	3298	C -37 3930
73	9.1	7.3W	46 58.436	0.0003	13	-35 36 49.18	-0.032	13	0.26	58.432	15	36.2	48.75	21	36.2	MA	C8	3299	C -35 3910
74	9.8	9.0W	46 59.723	-0.0012	21	-30 26 58.34	0.015	21	0.41	59.743	22	33.2	58.59	21	33.2	G5	C7	3582	C -30 5131
75		7.1T	47 2.867	-0.0101	12	-38 4 37.26	-0.040	12	0.62	3.364	17	00.8	35.22	18	98.8	F5	GC	10558	C -37 3939
76	8.8	8.6W	47 7.237	-0.0019	13	-37 39 38.81	0.002	13	0.26	7.262	15	36.2	38.84	21	36.2	F2	C8	3301	C -37 3940
77	11.1	9.5W	47 15.947	0.0044	21	-30 14 57.09	0.047	21	0.41	15.873	22	33.2	57.89	21	33.2		C7	3583	C -30 5137
78	9.1	9.3W	47 16.396	0.0023	21	-32 49 2.15	-0.018	21	0.41	16.357	22	33.2	1.84	21	33.2	A2	C7	3584	C -32 4441
79	10.0	8.6W	47 17.981	-0.0008	09	-36 0 28.08	-0.003	09	0.22	17.992	15	36.2	28.04	21	36.2	K5 L	C8	3302	C -35 3915
80		6.1T	47 22.854	-0.0004	10	-35 6 59.94	0.007	07	0.50	22.877	15	97.1	+ 0.35	15	92.6	A0	GC	10568	C -34 3970
81	10.4	9.3W	47 23.593	-0.0015	21	-34 10 49.95	0.030	21	0.41	23.618	22	33.2	50.45	21	33.2		C7	3585	C -33 4187
82	8.8	7.6W	47 24.890	-0.0010	21	-33 12 11.63	-0.035	21	0.41	24.907	22	33.2	11.04	21	33.2	B	C7	3586	C*-33 4186
83	7.7.	7.5W	47 25.319	0.0015	21	-30 25 52.38	-0.018	21	0.41	25.293	22	33.2	52.09	21	33.2	F5	C7	3587	C -30 5140
84	8.5	8.6W	47 26.932	-0.0008	13	-37 17 43.64	0.029	13	0.26	26.943	15	36.2	44.04	21	36.2	A5	C8	3304	C -37 3943
85	9.2	9.0W	47 37.240	-0.0017	13	-38 19 41.84	-0.029	13	0.26	37.262	15	36.2	41.44	21	36.2	F0	C8	3305	C -38 3690
86		9.1R	47 38.480	-0.0016	20	-30 7 48.50	-0.003	20	0.37	38.506	16	33.1	48.45	16	33.1	A3 J	13B	4464	J -29 4993
87		5.7T	47 40.719	-0.0039	09	-33 9 42.51	0.003	08	0.37	40.873	12	10.8	42.66	14	08.2	K5	GC	10574	C -32 4451
88	8.9	8.6W	47 44.149	-0.0021	21	-32 17 38.31	0.090	21	0.41	44.185	22	33.2	39.82	21	33.2	F5	C7	3589	C -32 4452
89	8.2	7.1W	47 44.901	-0.0001	09	-38 52 26.99	0.011	09	0.22	44.903	15	36.2	27.14	21	36.2	K0	C8	3306	C -38 3694
90	9.4	9.8W	47 45.099	-0.0009	21	-31 26 42.05	0.039	21	0.41	45.115	22	33.2	42.71	21	33.2	A5	C7	3590	C -31 5115
91	8.9	9.3W	47 59.704	-0.0044	21	-33 32 11.00	0.027	21	0.41	59.777	22	33.2	11.45	21	33.2	A0	C7	3591	C -33 4194
92		7.0T	47 59.757	-0.0016	12	-35 57 58.64	-0.029	11	0.64	59.839	18	97.6	57.06	18	95.4	K0	GC	10586	C -35 3924
93	9.8	9.9W	48 3.916	0.0002	09	-36 52 22.57	0.041	09	0.22	3.913	15	36.2	23.14	21	36.2	A2	C8	3308	C -36 3940
94	9.9	9.0W	48 7.164	-0.0014	07	-36 58 41.23	-0.007	07	0.21	7.183	15	36.2	41.14	21	36.2	G5	C8	3310	C -36 3944
95	10.5	9.2W	48 7.732	-0.0020	21	-31 10 40.55	0.027	21	0.41	7.765	22	33.2	41.01	21	33.2	K2 L	C7	3592	C -30 5159
96	8.4	8.1W	48 7.882	0.0002	21	-34 58 48.05	-0.012	21	0.41	7.878	22	33.2	47.86	21	33.2	F5	C7	3593	C -34 3987
97	9.5	9.7W	48 9.105	-0.0035	18	-37 26 33.38	-0.017	18	0.31	9.152	15	36.2	33.15	21	36.2	A0	C8	3311	C -37 3950
98	10.1	9.4W	48 13.617	-0.0012	21	-33 9 30.13	0.007	21	0.41	13.637	22	33.2	30.24	21	33.2	G5 L	C7	3594	C -32 4462
99	9.3	9.2W	48 24.051	-0.0023	09	-37 0 14.59	-0.011	09	0.22	24.083	15	36.2	14.44	21	36.2	A2	C8	3314	C -36 3953
00	8.9	8.3W	48 24.868	0.0067	21	-32 2 12.71	-0.047	21	0.41	24.755	22	33.2	11.92	21	33.2	G0	C7	3595	C -31 5130

198500 -30° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.9	8.3W	7 48 25.227	0.0019	21	-32 2 20.42	-0.083	21	0.41	25.195	22	33.2	19.02	21	33.2	G0		C7	3596	C -31 5130
2	10.2	9.4W	48 26.762	0.0020	21	-34 44 56.30	0.003	21	0.41	26.728	22	33.2	56.36	21	33.2	G5	L	C7	3597	C -34 3990
3	8.9	9.0W	48 29.059	0.0005	06	-35 37 23.61	0.002	06	0.20	29.051	15	36.2	23.64	21	36.2	A0		C8	3315	C -35 3932
4	8.5	6.9W	48 29.676	-0.0019	07	-35 39 46.24	0.007	07	0.21	29.701	15	36.2	46.34	21	36.2	K2		C8	3316	C -35 3933
5	9.8	9.7W	48 31.168	-0.0071	21	-34 29 14.40	0.015	21	0.41	31.287	22	33.2	14.65	21	33.2	F8	L	C7	3598	C -34 3993
6		7.0T	48 35.756	-0.0016	12	-36 6 50.62	0.014	11	0.63	35.833	17	00.8	51.35	18	98.2	B9		GC	10607	C -35 3935
7	10.3	9.4W	48 37.102	-0.0037	09	-36 55 11.61	0.002	09	0.22	37.153	15	36.2	11.64	21	36.2	G5	L	C8	3319	C -36 3956
8	9.6	8.9W	48 37.760	-0.0040	21	-33 41 26.32	0.032	21	0.41	37.827	22	33.2	26.85	21	33.2	G5	L	C7	3599	C#-33 4207
9		7.9T	48 45.610	-0.0022	16	-36 7 48.71	0.015	14	0.77	45.714	21	02.0	49.45	21	00.5	B9		GC	10609	C -35 3940
10	8.6	8.7W	48 50.824	-0.0044	21	-33 32 32.85	0.012	21	0.41	50.898	22	33.2	33.05	21	33.2	A2		C7	3600	C -33 4214
11	8.5	8.9W	48 52.397	-0.0006	21	-32 52 7.49	0.009	21	0.41	52.407	22	33.2	7.64	21	33.2	B9		C7	3601	C -32 4472
12	9.1	9.2W	48 55.347	-0.0004	21	-30 13 21.31	-0.014	21	0.41	55.353	22	33.2	21.09	21	33.2	F2		C7	3602	C -30 5173
13	8.8	7.4W	49 0.250	-0.0028	21	-32 55 38.83	0.001	21	0.41	0.297	22	33.2	38.84	21	33.2	G5		C7	3603	C -32 4474
14	7.9	8.2W	49 2.574	-0.0032	21	-33 56 16.58	-0.019	21	0.41	2.628	22	33.2	16.25	21	33.2	A0		C7	3604	C -33 4218
15	8.6	8.7W	49 2.652	-0.0034	21	-34 35 24.81	-0.003	21	0.41	2.708	22	33.2	24.76	21	33.2	B8		C7	3605	C -34 4002
16		8.5T	49 4.020	-0.0019	12	-34 13 10.36	0.011	12	0.63	4.115	18	00.6	10.95	15	98.7	B9		GC	10621	C -34 4003
17	9.5	9.9W	49 11.896	0.0000	21	-31 29 33.82	0.017	21	0.41	11.895	22	33.2	34.11	21	33.2	A2		C7	3607	C -31 5148
18	8.7	7.9W	49 13.024	0.0010	21	-33 29 36.82	-0.058	21	0.41	13.007	22	33.2	35.84	21	33.2	K0		C7	3608	C -33 4221
19	9.9	10.0W	49 14.125	-0.0012	18	-38 11 59.26	0.006	18	0.31	14.142	15	36.2	59.34	21	36.2	A0		C8	3323	C -38 3723
20	8.0	8.5W	49 15.725	-0.0005	09	-36 20 43.68	-0.010	09	0.22	15.731	15	36.2	43.55	21	36.2	A0		C8	3324	C -36 3966
21	10.0		49 18.601	0.0007	18	-35 14 46.42	-0.013	18	0.31	18.591	15	36.2	46.24	21	36.2	A5		C8	3325	C -35 3950
22	10.1	9.1W	49 20.049	-0.0005	21	-33 37 17.33	-0.034	21	0.41	20.057	22	33.2	16.75	21	33.2	K0	L	C7	3609	C -33 4224
23	7.8	8.1W	49 20.788	-0.0022	21	-31 30 18.24	0.005	21	0.41	20.825	22	33.2	18.32	21	33.2	B9		C7	3610	C -31 5154
24	10.4	9.1W	49 27.115	-0.0005	21	-30 23 41.55	-0.010	21	0.41	27.123	22	33.2	41.39	21	33.2	K5		C7	3611	C -30 5187
25	9.4	8.5W	49 35.795	-0.0020	13	-35 40 51.82	-0.064	13	0.26	35.822	15	36.2	50.94	21	36.2	K0		C8	3326	C -35 3953
26	9.2	7.8W	49 37.365	-0.0019	21	-32 35 12.22	-0.004	21	0.41	37.397	22	33.2	12.14	21	33.2	K2		C7	3612	C -32 4488
27	9.1	9.3W	49 42.191	-0.0034	21	-33 57 5.37	0.011	21	0.41	42.247	22	33.2	5.55	21	33.2	A		C7	3613	C -33 4228
28	8.2	8.6W	49 42.510	-0.0001	13	-37 30 19.28	-0.003	13	0.26	42.512	15	36.2	19.24	21	36.2	B8		C8	3327	C -37 3981
29	8.4	8.6W	49 44.195	-0.0026	21	-34 49 34.39	-0.019	21	0.41	44.238	22	33.2	34.06	21	33.2	A2		C7	3614	C -34 4017
30	10.6		49 44.303	-0.0014	18	-35 56 13.58	-0.039	18	0.31	44.322	15	36.2	13.04	21	36.2	G0	L	C8	3328	C -35 3955
31	8.9	7.9W	49 44.470	-0.0002	21	-30 11 30.88	-0.024	21	0.41	44.473	22	33.2	30.49	21	33.2	K0		C7	3615	C -29 5041
32	8.5	8.2W	49 55.653	-0.0051	13	-39 56 21.36	-0.168	13	0.26	55.724	15	36.2	19.04	21	36.2	F5		C8	3329	C -39 3706
33	7.3	7.6W	49 59.891	-0.0014	21	-31 30 25.31	-0.011	21	0.41	59.915	22	33.2	25.12	21	33.2	B9		C7	3616	C -31 5165
34	8.6	8.3W	50 6.348	-0.0025	18	-38 46 51.85	-0.001	18	0.31	6.383	15	36.2	51.84	21	36.2	F5		C8	3330	C -38 3744
35	9.0	8.6W	50 8.298	-0.0012	21	-33 49 23.27	-0.221	21	0.41	8.317	22	33.2	19.55	21	33.2	G0		C7	3617	C -33 4239
36		9.1R	50 14.373	0.0029	20	-30 1 55.76	0.046	20	0.37	14.324	16	33.1	56.54	16	33.1	F8	M	13B	4510	J -29 5054
37	9.1	9.2W	50 17.269	0.0002	21	-31 21 23.00	0.012	21	0.41	17.265	22	33.2	23.21	21	33.2	B9		C7	3618	C -31 5168
38	9.9	9.8W	50 19.182	0.0004	21	-30 42 14.21	-0.030	21	0.41	19.175	22	33.2	13.71	21	33.2	G5		C7	3619	C -30 5212
39	9.1	9.1W	50 23.286	-0.0019	13	-35 55 57.58	-0.003	13	0.26	23.312	15	36.2	57.54	21	36.2	A2		C8	3332	C -35 3967
40		5.0T	50 23.554	-0.0163	06	-34 34 43.06	0.240	06	0.27	24.286	12	05.2	55.10	12	99.9	F2		GC	10651K	C#-34 4036
41	10.5	8.8W	50 24.736	-0.0011	21	-31 43 5.68	0.050	21	0.41	24.755	22	33.2	6.52	21	33.2			C7	3621	C -31 5170
42	8.1	8.5W	50 39.451	-0.0043	21	-30 20 41.99	0.023	21	0.41	39.523	22	33.2	42.39	21	33.2	A0		C7	3622	C#-30 5218
43	9.0	8.1W	50 41.176	-0.0017	21	-31 59 14.51	-0.017	21	0.41	41.205	22	33.2	14.22	21	33.2	K0		C7	3623	C -31 5174
44	9.8	9.0W	50 50.103	0.0016	13	-35 12 58.80	0.010	13	0.26	50.081	15	36.2	58.94	21	36.2	G8	L	C8	3333	C -35 3975
45		4.5T	50 52.397	-0.0008	04	-38 43 56.84	-0.008	04	0.23	52.436	10	02.2	56.43	10	98.8	B3		GC	10661	C#-38 3769
46	9.2	8.4W	50 53.833	-0.0006	18	-37 50 53.99	-0.047	18	0.31	53.842	15	36.2	53.34	21	36.2	G5		C8	3335	C -37 4003
47	10.0	8.9W	50 55.172	-0.0007	21	-30 58 21.33	-0.013	21	0.41	55.185	22	33.2	21.11	21	33.2	K2		C7	3624	C -30 5225
48	9.0	7.9W	50 59.532	0.0021	23	-36 46 56.05	-0.037	23	0.37	59.503	15	36.2	55.54	21	36.2	K0		C8	3336	C -36 3981
49	9.0	8.9W	51 2.732	-0.0014	13	-37 38 27.47	-0.017	13	0.26	2.712	15	36.2	27.24	21	36.2	A5		C8	3337	C -37 4006
50	9.9	9.0W	51 4.267	0.0003	18	-39 13 24.59	0.040	18	0.31	4.263	15	36.2	25.14	21	36.2	K0	L	C8	3338	C -39 3724
51		7.7T	7 51 5.415	-0.0011	18	-33 9 58.52	0.022	14	0.81	5.469	19	02.7	59.60	18	00.1	A0		GC	10667	C -32 4516
52	10.5	9.7W	51 9.889	0.0014	21	-31 23 18.66	-0.015	21	0.41	9.865	22	33.2	18.41	21	33.2	K0	L	C7	3626	C -31 5180
53		5.5T	51 13.122	-0.0009	07	-36 13 58.85	-0.007	05	0.29	13.159	12	07.5	58.52	12	02.3	K0		GC	10670	C#-36 3989
54	9.9	9.0W	51 15.080	-0.0020	21	-30 43 53.18	0.031	21	0.41	15.115	22	33.2	53.71	21	33.2	G0		C7	3627	C -30 5232
55	9.0	7.3W	51 15.864	0.0017	21	-31 40 36.51	0.001	21	0.41	15.835	22	33.2	36.52	21	33.2	K2		C7	3628	C -31 5183
56	10.3	9.4W	51 16.938	-0.0039	07	-36 23 35.39	-0.011	07	0.21	16.992	15	36.2	35.25	21	36.2	K0	L	C8	3340	C -36 3990
57	9.5	9.6W	51 17.931	-0.0022	21	-33 32 29.18	-0.013	21	0.41	17.968	22	33.2	28.95	21	33.2	A3	L	C7	3629	C -33 4262
58	10.2	9.3W	51 20.549	-0.0011	21	-34 19 0.35	-0.048	21	0.41	20.567	22	33.2	1.15	21	33.2			C7	3630	C -34 4052
59		6.6T	51 20.880	-0.0028	13	-34 48 26.73	0.017	12	0.67	21.020	18	00.7	27.61	18	99.0	G0		GC	10675	C -34 4053
60	9.0	7.2W	51 21.964	-0.0020	21	-33 54 28.58	-0.013	21	0.41	21.997	22	33.2	28.35	21	33.2	K2		C7	3632	C -33 4264
61	10.8	9.2W	51 26.386	0.0001	21	-31 46 26.89	0.008	21	0.41	26.385	22	33.2	27.02	21	33.2			C7	3633	C -31 5192
62	9.3	9.0W	51 29.928	-0.0003	09	-36 23 20.85	0.014	09	0.22	29.932	15	36.2	21.05	21	36.2	F8		C8	3341	C -36 3993
63	9.9	9.0W	51 33.359	-0.0023	13	-35 29 16.78	0.055	13	0.26	33.391	15	36.2	17.54	21	36.2	K2		C8	3342	C -35 3992
64	10.7		51 43.080	-0.0001	23	-38 12 49.77	-0.017	23	0.37	43.082	15	36.2	49.54	21	36.2	A2	L	C8	3343	C -38 3790
65	7.5	7.5W	51 44.231	-0.0045	13	-36 48 18.75	0.028	13	0.26	44.293	15	36.2	19.14	21	36.2	A5		C8	3344	C -36 3997
66	10.0	9.1W	51 47.314	-0.0032	21	-34 9 12.03	0.031	21	0.41	47.367	22	33.2	12.55	21	33.2			C7	3634	C -33 4273
67	9.0	9.4W	51 48.994	-0.0007	21	-30 53 56.02	0.011	21	0.41	49.005	22	33.2	56.21	21	33.2	A0		C7	3635	C -30 5244
68	9.2	9.5W	51 55.572	-0.0025	21	-30 11 26.33	-0.002	21	0.41	55.613	22	33.2	26.29	21	33.2	A0		C7	3636	C -29 5105
69	8.3	8.3W	52 9.212	0.0010	21	-31 35 27.77	0.015	21	0.41	9.195	22	33.2	28.02	21	33.2	A2		C7	3637	C -31 5207
70	7.0	7.4W	52 10.752	-0.0039	21	-33 53 25.74	-0.017	21	0.41	10.817	22	33.2	25.45	21	33.2	A0		C7	3638	C -33 4283
71	9.4	9.2W	52 12.782	-0.0007	13	-36 5 28.73	0.015	13	0.26	12.791	15	36.2	28.94	21	36.2	F5	L	C8	3345	C -35 3999
72	8.7	8.5W	52 15.419	-0.0010	10	-39 10 13.02	-0.013	10	0.23	15.433	15	36.2	12.84	21	36.2	A2		C8	3346	C -38 3800
73	9.6	9.5W	52 15.624	-0.0006	13	-35 36 7.03	-0.021	13	0.26	15.631	15	36.2	6.74	21	36.2	A3		C8	3347	C -35 4000
74	9.5	9.2W	52 16.817	-0.0003	18	-37 11 2.96	-0.030	18	0.31	16.813	15	36.2	2.54	21	36.2	A5		C8	3348	C -36 4008
75		5.4T	52 19.703	-0.0006	07	-35 44 43.59	-0.012	06	0.30	19.727	12	07.4	43.04	12	03.8	B3		GC	10695	C#-35 4002
76	8.6	8.9W	52 32.528	0.0008	21	-32 21 26.21	0.025	21	0.41	32.515	22	33.2	26.62	21	33.2	B9		C7	3639	C -32 4549
77		8.6T	52 38.980	0.0041	17	-31 29 47.52	-0.002	16	0.83	38.779	19	01.4	47.42	19	00.8	G5		GC	10705	C -31 5218
78	10.2		52 44.539	-0.0039	23	-37 6 6.19	-0.047	23	0.37	44.593	15	36.2	5.54	21	36.2	F0	L	C8	3351	C -36 4015
79		6.1T	52 47.033	-0.0014	06	-34 42 50.71	-0.022	06	0.28	47.094	09	07.8	49.74	10	05.4	K2		GC	10709	C -34 4091
80	8.8	7.3W	52 48.778	0.0010	13	-39 59 53.42	-0.020	13	0.26	48.765	15	36.2	53.14	21	36.2	K2		C8	3352	C -39 3756
81	8.1	8.5W	52 50.512	-0.0029	13	-36 8 33.30	0.010	13	0.26	50.551	15	36.2	33.44	21	36.2	B8		C8	3353	C -35 4014
82	8.8	8.4W	52 51.435	-0.0050	13	-39 30 41.39	0.047	13	0.26	51.505	15	36.2	42.04	21	36.2	F5		C8	3354	C -39 3757
83		7.2T	52 53.379	-0.0027	12	-31 24 6.66	0.022	10	0.60	53.512	15	00.0	7.83	17	96.7	B8		GC	10713	C -31 5226
84	9.6	9.8W	52 55.563	-0.0008	21	-33 11 18.81	0.002	21	0.41	55.577	22	33.2	18.84	21	33.2	A2	L	C7	3643	C -32 4559
85	9.4	8.6W	53 4.084	0.0011	21	-30 57 58.69	0.019	21	0.41	4.065	22	33.2	59.01	21	33.2	G5		C7	3644	C -30 5272
86	8.3	8.3W	53 4.446	-0.0020	08	-39 51 50.85	0.021	08	0.21	4.474	15	36.2	51.15	21	36.2	F0		C8	3355	C -39 3764
87	9.4	9.5W	53 4.759	-0.0030	09	-35 26 31.42	-0.013	09	0.22	4.801	15	36.2	31.24	21	36.2	B9		C8	3356	C -35 4018
88	7.4	7.4W	53 5.313	-0.0050	14	-38 17 13.15	-0.022	14	0.27	5.382	15	36.2	12.84	21	36.2	A0		C8	3357	C -38 3816
89	9.1	9.0W	53 7.024	-0.0034	13	-35 11 32.87	0.027	13	0.26	7.071	15	36.2	33.24	21	36.2	F0		C8	3358	C -34 4096
90	8.7	9.1W	53 7.270	-0.0004	21	-32 38 12.88	-0.032	21	0.41	7.277	22	33.2	12.34	21	33.2	B9		C7	3645	C -32 4562
91	7.8	6.3W	53 15.238	-0.0040	21	-30 47 5.83	0.040	21	0.41	15.305	22	33.2	6.51	21	33.2	K0		C7	3646	C -30 5275
92	10.0	9.3W	53 17.019	-0.0029	21	-33 47 25.27	0.029	21	0.41	17.068	22	33.2	25.75	21	33.2	G2	L	C7	3647	C -33 4303
93	8.5	8.3W	53 26.556	0.0016	13	-39 36 9.92	-0.013	13	0.26	26.534	15	36.2	9.74	21	36.2	B8		C8	3359	C -39 3775
94		7.1T	53 27.903	-0.0013	12	-30 13 8.32	-0.036	15	0.71	27.968	21	99.2	6.58	21	01.4	G5		GC	10729	C -30 5281
95	10.5	9.6W	53 34.421	-0.0038	21	-31 45 45.71	-0.023	21	0.41	34.485	22	33.2	45.32	21	33.2			C7	3649	C -31 5240
96	10.0	10.1W	53 36.244	0.0004	21	-32 35 59.67	-0.019	21	0.41	36.237	22	33.2	59.34	21	33.2	A2	L	C7	3650	C -32 4573
97		9.3R	53 44.144	-0.0002	00	-30 20 16.25	-0.038	20	0.28	44.147	16	33.1	15.61	16	33.1	F0	M	13B	4577	J -30 5286
98	10.2	9.5W	53 47.920	-0.0014	21	-30 20 2.89	0.005	21	0.41	47.943	22	33.2	2.99	21	33.2			C7	3651	C -30 5288
99	8.2	8.1W	53 48.777	-0.0011	13	-36 27 11.55	-0.022	13	0.26	48.792	15	36.2	11.24	21	36.2	A3		C8	3360	C -36 4029
00	8.2	8.4W	53 50.964	0.0002	18	-37 43 25.97	0.020	18	0.31	50.962	15	36.2	26.25	21	36.2	A2		C8	3361	C -37 4050

198600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 7H DM NUMBER
1	10.5	9.5W	7 53 50.969	0.0032	21	-30 56 44.14	0.010	21	0.41	50.915	22	33.2	44.31	21	33.2		C7	3652	C -30 5289
2	7.7	8.0W	53 55.818	-0.0017	13	-38 12 11.50	-0.026	13	0.26	55.842	15	36.2	11.14	21	36.2	B8	C8	3362	C -38 3829
3		9.2R	53 57.443	0.0022	20	-30 27 5.05	0.009	20	0.37	57.406	16	33.1	5.20	16	33.1	FO J	138	4585	J -30 5293
4	8.6	9.0W	54 7.225	-0.0013	18	-38 58 38.08	0.012	18	0.31	7.243	15	36.2	39.25	21	36.2	B8	C8	3363	C -38 3834
5	8.1	8.2W	54 7.933	0.0008	13	-35 46 47.23	0.008	13	0.26	7.922	15	36.2	47.34	21	36.2	B8	C8	3364	C -35 4030
6			54 8.547	-0.0011	13	-35 47 0.85	-0.015	13	0.26	8.562	15	36.2	0.64	21	36.2	B8	C8	3365	C -35 4030
7	9.9	8.9W	54 9.316	-0.0025	21	-34 1 19.72	0.038	21	0.41	9.357	22	33.2	20.35	21	33.2	K2 L	C7	3653	C -33 4320
8	10.4	9.0W	54 16.670	-0.0029	21	-34 34 34.93	0.014	21	0.41	16.718	22	33.2	35.16	21	33.2	KO L	C7	3654	C -34 4114
9		8.4T	54 23.092	0.0000	09	-30 9 1.57	-0.034	08	0.51	23.091	17	93.1	59.53	15	89.8	MB	GC	10749	C -29 5189
10	8.3	8.7W	54 25.755	-0.0030	21	-30 44 2.53	-0.001	21	0.41	25.805	22	33.2	2.51	21	33.2	B9	C7	3656	C -30 5306
11	9.5	9.6W	54 27.505	-0.0033	07	-35 25 17.91	-0.027	07	0.21	27.551	15	36.2	17.55	21	36.2	F8	C8	3366	C -35 4035
12	9.6	9.2W	54 31.844	0.0012	21	-30 19 54.13	-0.002	21	0.41	31.823	22	33.2	54.08	21	33.2	F8	C7	3657	C -30 5307
13	10.2	9.0W	54 35.754	0.0004	21	-32 59 22.31	-0.004	21	0.41	35.747	22	33.2	22.24	21	33.2	KO L	C7	3658	C -32 4601
14		9.2T	54 41.798	0.0013	18	-30 23 22.30	0.018	20	0.90	41.737	22	04.2	23.14	22	03.9	A2	GC	10754	C -30 5313
15	9.5	9.6W	54 48.500	-0.0020	21	-31 6 54.21	0.065	21	0.41	48.535	22	33.2	55.31	21	33.2	B8	C7	3659	C -30 5315
16	9.1	9.2W	54 51.674	-0.0053	21	-30 14 33.16	0.001	21	0.41	51.763	22	33.2	33.19	21	33.2	A0	C7	3660	C -30 5316
17	9.0	9.2W	54 56.217	0.0017	13	-39 47 48.46	-0.009	13	0.26	56.195	15	36.2	48.34	21	36.2	A2	C8	3367	C -39 3806
18	10.1	8.6W	54 57.284	-0.0020	09	-35 59 10.07	-0.024	09	0.22	57.311	15	36.2	9.74	21	36.2	KO L	C8	3368	C -35 4047
19	9.5	9.5W	54 57.975	-0.0013	09	-36 38 33.31	0.002	09	0.22	57.993	15	36.2	33.34	21	36.2	F0	C8	3369	C -36 4041
20	8.8	8.5W	55 5.419	-0.0075	07	-36 46 20.65	-0.030	07	0.21	5.522	15	36.2	20.24	21	36.2	G0	C8	3370	C -36 4043
21	8.7	9.2W	55 7.784	-0.0021	18	-39 9 28.70	0.010	18	0.31	7.814	15	36.2	28.84	21	36.2	B8	C8	3371	C -38 3850
22		8.6T	55 9.224	0.0005	11	-34 14 36.48	-0.001	11	0.61	9.199	17	98.2	36.45	19	95.7	K2	GC	10761	C -34 4128
23	10.2	9.7W	55 10.052	-0.0008	09	-37 6 30.04	-0.036	09	0.22	10.063	15	36.2	29.54	21	36.2	KO L	C8	3372	C -38 4045
24	10.0	10.1W	55 11.971	0.0014	23	-36 22 42.47	-0.038	23	0.37	11.952	15	36.2	41.94	21	36.2	A5 L	C8	3373	C -36 4044
25	6.9	7.4W	55 13.132	-0.0009	21	-33 6 53.29	0.027	21	0.41	13.147	22	33.2	53.74	21	33.2	B9	C7	3662	C -32 4612
26	8.9	9.3W	55 13.442	-0.0008	13	-39 5 31.33	0.015	13	0.26	13.453	15	36.2	31.55	21	36.2	B9	C8	3374	C -38 3853
27	8.7	7.7W	55 14.596	-0.0092	21	-35 4 51.68	0.081	21	0.41	14.750	22	33.2	53.04	21	33.2	K0	C7	3663	C -34 4130
28	8.9	7.6W	55 16.078	-0.0011	21	-32 0 13.55	-0.006	21	0.41	16.097	22	33.2	13.44	21	33.2	K5	C7	3664	C -32 4614
29	8.1	8.3W	55 19.523	-0.0013	13	-35 14 33.72	0.016	13	0.26	19.541	15	36.2	33.94	21	36.2	A0	C8	3375	C -35 4051
30	8.3	8.6W	55 20.678	-0.0017	10	-38 16 55.78	-0.010	10	0.23	20.702	15	36.2	55.64	21	36.2	A2	C8	3376	C -38 3859
31	9.7	8.8W	55 22.832	-0.0022	13	-38 54 10.44	-0.014	13	0.26	22.863	15	36.2	10.25	21	36.2	K0	C8	3377	C -38 3860
32	9.8	9.2W	55 27.237	-0.0001	21	-34 46 39.57	-0.054	21	0.41	27.238	22	33.2	38.66	21	33.2	K0 L	C7	3665	C -34 4132
33	8.4	8.3W	55 31.465	0.0001	13	-39 53 50.65	-0.001	13	0.26	31.464	15	36.2	50.64	21	36.2	A3	C8	3378	C -39 3817
34	8.9	9.2W	55 34.304	-0.0013	13	-35 37 49.59	0.004	13	0.26	34.322	15	36.2	49.65	21	36.2	A0	C8	3379	C -35 4056
35	9.3	8.0W	55 35.649	-0.0010	18	-37 12 5.72	-0.006	18	0.31	35.663	15	36.2	5.64	21	36.2	K2	C8	3380	C -37 4084
36		4.9M	55 40.446	-0.0008	02	-30 11 56.29	0.007	02	0.08	40.472	05	18.5	56.50	05	17.3	A2	F4	1210	C -29 5236
37	8.8	8.5W	55 48.130	-0.0003	21	-31 45 11.24	-0.031	21	0.41	48.135	22	33.2	10.72	21	33.2	F2	C7	3667	C -31 5299
38	9.9	8.7W	55 53.439	0.0066	21	-33 49 12.76	0.309	21	0.41	53.327	22	33.2	17.95	21	33.2	K5 L	C7	3668	C -33 4354
39	9.0	7.7W	55 55.774	-0.0027	21	-34 47 32.94	-0.041	21	0.41	55.818	22	33.2	32.26	21	33.2	K0	C7	3669	C -34 4147
40	10.6	10.2W	55 58.960	0.0005	18	-38 36 25.38	-0.010	18	0.31	58.953	15	36.2	25.24	21	36.2	K0 L	C8	3381	C -38 3879
41			56 0.958	-0.0033	13	-39 59 14.80	0.010	13	0.26	1.004	15	36.2	14.94	21	36.2	G0	C8	3382X	C -39 3831
42	8.6	8.9W	56 8.296	0.0000	21	-31 6 56.16	-0.009	21	0.41	8.295	22	33.2	56.01	21	33.2	B8	C7	3670	C -30 5343
43	7.1	7.6W	56 15.858	-0.0018	06	-37 26 38.13	0.008	06	0.20	15.883	15	36.2	38.24	21	36.2	B8	C8	3383	C -37 4102
44	9.0	8.7W	56 16.259	-0.0004	21	-31 17 50.39	-0.017	21	0.41	16.265	22	33.2	50.11	21	33.2	F5	C7	3671	C -31 5311
45	10.8	9.8W	56 19.965	0.0001	21	-30 6 28.15	-0.034	21	0.41	19.963	22	33.2	27.59	21	33.2		C7	3672	C -29 5256
46	7.8	8.1W	56 26.560	-0.0002	13	-39 28 37.10	-0.026	13	0.26	26.563	15	36.2	36.74	21	36.2	A0	C8	3384	C -39 3839
47	9.4	8.4W	56 27.256	-0.0001	21	-33 34 48.59	-0.020	21	0.41	27.257	22	33.2	48.25	21	33.2	K2	C7	3673	C -33 4362
48	8.2	7.2W	56 27.373	-0.0032	21	-33 28 22.66	0.029	21	0.41	27.427	22	33.2	23.14	21	33.2	K2	C7	3674	C -33 4363
49	10.5	9.2W	56 28.025	0.0006	21	-32 21 9.82	0.006	21	0.41	28.015	22	33.2	9.92	21	33.2	K0 L	C7	3675	C -32 4642
50	8.6	8.5W	56 35.319	-0.0015	21	-32 9 33.04	-0.023	21	0.41	35.345	22	33.2	33.42	21	33.2	A3	C7	3676	C -31 5320
51	11.0		7 56 35.908	-0.0054	30	-38 35 59.02	-0.020	30	0.45	35.983	15	36.2	58.74	21	36.2	F8 L	C8	3385	C -38 3885
52	9.8	8.7W	56 40.925	-0.0011	21	-30 7 35.24	0.038	21	0.41	40.943	22	33.2	35.89	21	33.2	K0	C7	3677	C -29 5272
53	8.1	8.1W	56 40.922	-0.0036	13	-36 17 14.88	-0.003	13	0.26	40.972	15	36.2	14.84	21	36.2	A2	C8	3386	C -36 4063
54	9.5	9.5W	56 41.565	-0.0012	21	-31 56 15.38	0.026	21	0.41	41.585	22	33.2	15.82	21	33.2	A0	C7	3678	C -31 5322
55	9.0	8.2W	56 42.211	-0.0030	13	-36 29 53.03	-0.007	13	0.26	42.252	15	36.2	52.94	21	36.2	G5	C8	3387	C -36 4064
56	8.5	7.9W	56 45.174	-0.0300	21	-34 48 39.37	0.177	21	0.41	45.678	22	33.2	42.36	21	33.2	G5	C7	3679	C -34 4160
57		7.0T	56 47.531	0.0071	12	-36 52 52.11	-0.192	12	0.65	47.174	17	99.6	41.73	18	95.9	G5	GC	10800	C -36 4067
58			56 52.101	-0.0014	21	-32 26 23.54	-0.025	21	0.41	52.125	22	33.2	23.12	21	33.2	A0 L	C7	3680V	C -32 4654
59	8.8	9.1W	57 0.378	-0.0015	21	-30 12 10.62	0.039	21	0.41	0.403	22	33.2	11.29	21	33.2	B9	C7	3681	C -30 5364
60	8.2	8.4W	57 10.812	-0.0043	13	-35 10 1.05	-0.022	13	0.26	10.871	15	36.2	0.74	21	36.2	A0	C8	3389	C -34 4173
61	9.8	8.3W	57 10.858	0.0000	21	-33 46 29.91	0.021	21	0.41	10.858	22	33.2	30.25	21	33.2	K5 L	C7	3682	C -33 4374
62	9.1	9.0W	57 10.873	-0.0014	21	-33 16 40.76	0.023	21	0.41	10.897	22	33.2	41.14	21	33.2	A2	C7	3683	C -33 4373
63	8.0	8.2W	57 13.179	-0.0009	21	-30 56 21.14	-0.002	21	0.41	13.195	22	33.2	21.11	21	33.2	A0	C7	3684	C -30 5368
64	9.0	8.1W	57 15.548	-0.0033	21	-30 41 11.01	-0.030	21	0.41	15.605	22	33.2	10.51	21	33.2	G5	C7	3685	C -30 5369
65	7.3	7.3W	57 19.459	-0.0024	07	-37 54 51.22	0.052	07	0.21	19.492	15	36.2	51.94	21	36.2	F0	C8	3390	C -37 4120
66		7.6G	57 21.470	-0.0019	15	-39 16 59.78	-0.018	13	0.73	21.562	22	01.9	58.85	21	98.4	A0	GC	10817	C -39 3858
67		7.4T	57 41.079	0.0003	12	-37 9 53.00	0.004	12	0.67	41.064	21	99.1	53.22	19	96.7	B8	GC	10829	C -36 4076
68		5.2T	57 42.418	-0.0076	07	-39 9 31.83	-0.046	05	0.30	42.743	12	07.3	29.64	12	02.3	F0	GC	10830	C -38 3908
69	8.2	8.6W	57 47.942	-0.0022	08	-39 2 1.68	0.004	08	0.21	47.973	15	36.2	1.74	21	36.2	A0	C8	3394	C -38 3909
70	8.8	7.6W	57 49.397	-0.0016	21	-30 16 28.63	-0.021	21	0.41	49.423	22	33.2	28.29	21	33.2	K0	C7	3686	C -30 5385
71	9.3	9.0W	57 50.465	-0.0055	21	-34 2 4.10	0.015	21	0.41	50.557	22	33.2	4.35	21	33.2	F8 L	C7	3687	C -33 4390
72	10.9	9.2W	57 52.502	-0.0028	13	-35 17 13.83	-0.028	13	0.26	52.541	15	36.2	13.44	21	36.2	K9 L	C8	3395	C -35 4085
73	7.9	7.5W	57 57.289	0.0045	21	-30 14 15.93	-0.033	21	0.41	57.213	22	33.2	15.38	21	33.2	G0	C7	3688	C -30 5390
74	8.7	8.4W	57 57.472	0.0004	21	-31 50 50.79	-0.004	21	0.41	57.465	22	33.2	50.72	21	33.2	F5	C7	3689	C -31 5350
75	9.0	9.5W	58 3.449	-0.0032	13	-36 46 55.99	-0.018	13	0.26	3.493	15	36.2	55.74	21	36.2	B9	C8	3397	C -36 4085
76	9.5	8.7W	58 5.642	-0.0029	13	-36 8 13.44	-0.007	13	0.26	5.681	15	36.2	13.34	21	36.2		C8	3398	C -35 4089
77	8.0	8.4W	58 7.390	-0.0030	13	-35 21 40.71	0.002	13	0.26	7.431	15	36.2	40.74	21	36.2	B8	C8	3399	C -35 4091
78	9.1	8.8W	58 9.216	-0.0029	21	-31 46 27.59	-0.016	21	0.41	9.265	22	33.2	27.32	21	33.2	F5	C7	3690	C -31 5355
79		9.0R	58 14.708	0.0010	20	-30 32 15.28	-0.010	17	0.34	14.695	16	33.1	15.11	16	33.1	A0 J	138	4666	J -30 5399
80	7.9	7.9W	58 15.358	-0.0033	21	-31 3 31.08	0.055	21	0.41	15.415	22	33.2	32.01	21	33.2	A2	C7	3691	C -30 5402
81	8.6	8.9W	58 18.729	-0.0004	21	-30 49 52.83	0.076	21	0.41	18.735	22	33.2	54.11	21	33.2	B8	C7	3692	C -30 5403
82	10.3	8.6W	58 19.255	-0.0031	21	-32 34 23.32	-0.022	21	0.41	19.307	22	33.2	22.94	21	33.2	M L	C7	3693	C -32 4688
83	10.7	9.1W	58 19.934	-0.0007	21	-30 48 3.94	-0.002	21	0.41	19.945	22	33.2	3.91	21	33.2		C7	3694	C -30 5405
84	7.1	7.3W	58 23.167	-0.0040	07	-35 51 12.04	0.000	07	0.21	23.222	15	36.2	12.04	21	36.2	A2	C8	3400	C -35 4094
85	8.6	9.1W	58 26.070	0.0005	09	-36 35 37.67	-0.024	09	0.22	26.063	15	36.2	37.34	21	36.2	A0	C8	3401	C -36 4093
86	8.9	7.4W	58 26.716	-0.0031	21	-34 7 48.09	0.022	21	0.41	26.767	22	33.2	48.45	21	33.2	K2	C7	3695	C -33 4406
87	10.4	8.9W	58 28.614	0.0015	18	-37 42 25.39	0.004	18	0.31	28.592	15	36.2	25.44	21	36.2	K5 L	C8	3402	C -37 4136
88	9.8	9.2W	58 32.337	-0.0017	13	-35 11 28.04	-0.029	13	0.26	32.361	15	36.2	27.64	21	36.2	G5 L	C8	3403	C -34 4198
89	7.3	7.6W	58 33.559	-0.0011	21	-33 59 7.37	0.017	21	0.41	33.577	22	33.2	7.65	21	33.2	A0	C7	3696	C -33 4411
90	9.6	8.3W	58 43.016	0.0019	21	-30 56 12.90	-0.029	21	0.41	42.985	22	33.2	12.41	21	33.2	K5	C7	3697	C -30 5417
91	8.9	9.3W	58 43.583	-0.0029	10	-38 51 37.19	0.018	10	0.23	43.623	15	36.2	37.45	21	36.2	A0	C8	3404	C -38 3930
92	9.5	8.7W	58 43.922	-0.0039	21	-34 2 19.03	-0.076	21	0.41	43.988	22	33.2	17.75	21	33.2	K	C7	3698	C -33 4414
93	8.8	9.0W	58 46.694	0.0059	21	-31 37 0.10	-0.034	21	0.41	46.595	22	33.2	59.52	21	33.2	A2	C7	3699	C -31 5375
94	9.3	9.1W	58 46.700	0.0005	18	-38 44 3.41	0.024	18	0.31	46.693	15	36.2	3.74	21	36.2		C8	3405	C -38 3931
95	8.8	9.0W	58 49.022	-0.0007	21	-31 24 16.84	-0.002	21	0.41	49.035	22	33.2	16.81	21	33.2	A0	C7	3700	C -31 5377
96	9.2	8.3W	58 49.756	-0.0037	21	-33 43 37.62	0.020	21	0.41	49.818	22	33.2	37.95	21	33.2	G5	C7	3701	C -33 4421
97	10.4	8.2W	58 54.282	-0.0001	21	-31 7 9.24	0.028	21	0.41	54.285	22	33.2	9.71	21	33.2	MA	C7	3702	C -30 5426
98	9.5	8.4W	59 0.273	-0.0013	21	-32 13 21.98	-0.039	21	0.41	0.295	22	33.2	21.32	21	33.2	K5	C7	3703	C -32 4703
99	9.0	9.4W	59 3.794	-0.0014	09	-37 7 6.35	0.014	09	0.22	3.813	15	36.2	6.54	21	36.2	B9	C8	3407	C -36 4101
00	8.6	7.5W	59 7.422	0.0028	10	-38 35 8.57	-0.002	10	0.23	7.383	15	36.2	8.54	21	36.2	K2	C8	3408	C -38 3939

198700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 7H DM NUMBER
1	8.2	8.5W	7 59 12.892	0.0011	21	-31 21 11.68	0.031	21	0.41	12.875	22	33.2	12.21	21	33.2	A0	C7	3704	C -31 5387
2	7.9	8.1W	59 16.847	-0.0043	21	-34 31 8.84	-0.034	21	0.41	16.918	22	33.2	8.26	21	33.2	B5	C7	3705	C -34 4213
3	8.9	7.2W	59 27.018	-0.0010	07	-35 45 53.00	0.010	07	0.21	27.031	15	36.2	53.14	21	36.2	K5	C8	3409	C -35 4109
4	10.5	8.9W	59 30.018	-0.0010	21	-31 39 18.04	-0.013	21	0.41	30.035	22	33.2	17.82	21	33.2		C7	3706	C -31 5393
5	9.7	8.8W	59 34.499	-0.0029	21	-34 16 18.05	0.036	21	0.41	34.547	22	33.2	18.65	21	33.2	K0 L	C7	3707	C -34 4218
6	9.0	7.5W	59 35.441	0.0028	21	-30 27 8.85	-0.010	21	0.41	35.393	22	33.2	8.69	21	33.2	K2	C7	3708	C -30 5453
7		9.3R	59 35.936	0.0001	20	-30 23 45.43	-0.014	20	0.37	35.934	16	33.1	45.19	16	33.1	F5 M	138	4694	J -30 5452
8	8.5	7.7W	59 36.228	-0.0003	21	-30 28 51.06	0.001	21	0.41	36.233	22	33.2	51.09	21	33.2	K0	C7	3709	C -30 5454
9	7.1	7.6W	59 36.701	-0.0007	07	-35 14 22.16	-0.023	07	0.21	36.711	15	36.2	21.84	21	36.2	B9	C8	3410	C -35 4112
10	8.4	8.6W	59 42.868	-0.0040	13	-37 3 27.05	0.021	13	0.26	42.923	15	36.2	27.34	21	36.2	B	C8	3411	C -36 4114
11	7.6	7.9W	59 44.155	-0.0012	07	-35 38 57.24	0.007	07	0.21	44.172	15	36.2	57.34	21	36.2	A0	C8	3412	C -35 4114
12	7.8	7.6W	59 45.715	0.0063	21	-34 33 14.04	-0.141	21	0.41	45.608	22	33.2	11.66	21	33.2	F5	C7	3710	C -34 4225
13	8.3	8.6W	59 47.576	-0.0027	11	-36 31 53.01	-0.005	11	0.24	47.613	15	36.2	52.94	21	36.2	A0	C8	3413	C -36 4115
14		5.9T	59 47.594	-0.0020	07	-37 8 37.66	0.006	06	0.32	47.681	12	06.7	37.94	12	03.7	A2	GC	10894	C -36 4116
15	8.8	8.8W	59 53.264	-0.0008	21	-34 20 40.62	0.056	21	0.41	53.277	22	33.2	41.55	21	33.2	A0	C7	3711	C -34 4228
16	7.9	7.7W	59 56.446	-0.0026	07	-36 2 26.23	-0.057	07	0.21	56.482	15	36.2	25.44	21	36.2	F0	C8	3415	C -35 4122
17	9.2	7.9W	59 58.168	-0.0029	21	-33 2 16.98	-0.008	21	0.41	58.217	22	33.2	16.84	21	33.2	K5	C7	3712	C -32 4736
18	8.0	8.3W	59 58.420	-0.0010	21	-33 9 34.69	0.021	21	0.41	58.437	22	33.2	35.04	21	33.2	B9	C7	3713	C -32 4738
19	7.7	7.9W	8 0 2.907	0.0001	21	-30 59 46.73	-0.019	21	0.41	2.905	22	33.2	46.41	21	33.2	A2	C7	3714	C -30 5470
20	8.5	8.6W	0 4.511	-0.0022	07	-38 20 21.38	-0.032	07	0.21	4.542	15	36.2	20.94	21	36.2	A2	C8	3417	C -38 3963
21	8.0	8.5W	0 4.929	-0.0023	06	-35 9 47.95	-0.001	06	0.20	4.961	15	36.2	47.95	21	36.2	B5	C8	3418	C -34 4233
22	9.4	8.3W	0 6.127	-0.0018	21	-33 59 25.91	0.003	21	0.41	6.157	22	33.2	25.95	21	33.2	K5	C7	3715	C -33 4448
23	9.5	8.2W	0 8.945	-0.0015	21	-35 0 38.81	-0.034	21	0.41	8.970	22	33.2	38.24	21	33.2	K2	C7	3716	C -34 4235
24	9.0	8.8W	0 10.894	-0.0011	21	-31 17 47.38	-0.034	21	0.41	10.875	22	33.2	46.81	21	33.2	F0	C7	3717	C -31 5409
25		6.3T	0 15.881	0.0008	11	-36 54 36.17	-0.005	09	0.58	15.840	18	97.6	35.89	18	91.9	M0	GC	10907	C -36 4120
26	9.6	8.6W	0 16.970	-0.0028	21	-33 7 50.67	-0.019	21	0.41	17.017	22	33.2	50.34	21	33.2		C7	3718	C -32 4747
27	9.0	8.5W	0 26.229	0.0045	21	-30 16 34.86	-0.082	21	0.41	26.153	22	33.2	33.49	21	33.2	K0	C7	3719	C -30 5482
28	8.0	8.1W	0 28.373	-0.0019	21	-32 10 1.77	0.009	21	0.41	28.405	22	33.2	1.92	21	33.2	B9	C7	3720	C -31 5418
29	10.9	9.3W	0 32.722	-0.0031	21	-30 4 19.83	-0.057	21	0.41	32.773	22	33.2	18.88	21	33.2		C7	3721	C -29 5400
30	7.5	7.9W	0 34.099	0.0004	13	-36 41 47.00	-0.026	13	0.26	34.093	15	36.2	46.64	21	36.2	B9	C8	3420	C -36 4125
31	9.6	8.3W	0 35.918	-0.0011	13	-39 1 42.74	0.029	13	0.26	35.933	15	36.2	43.14	21	36.2	K0	C8	3421	C -38 3973
32	9.2	8.4W	0 40.921	-0.0014	21	-31 45 50.68	-0.021	21	0.41	40.945	22	33.2	50.32	21	33.2	K0	C7	3722	C -31 5426
33	9.6	9.4W	0 44.677	-0.0048	18	-38 54 0.24	0.022	18	0.31	44.743	15	36.2	0.55	21	36.2	F5 L	C8	3422	C -38 3978
34		6.6T	0 46.342	0.0004	22	-36 15 36.80	0.012	20	0.98	46.322	21	04.6	37.35	22	04.7	F0	GC	10923	C* -36 4128
35	7.2	7.7W	0 49.400	-0.0069	21	-31 4 28.57	-0.004	21	0.41	49.515	22	33.2	28.51	21	33.2	B3	C7	3723	C -30 5500
36	9.0	8.9W	0 55.248	-0.0019	13	-39 58 59.03	-0.021	13	0.26	55.274	15	36.2	58.75	21	36.2	F0	C8	3424	C -39 3927
37	9.0	8.3W	0 56.056	-0.0019	13	-36 6 28.38	-0.025	13	0.26	56.081	15	36.2	28.04	21	36.2	G0	C8	3425	C -35 4134
38	8.8	7.3W	0 56.400	-0.0052	21	-34 24 17.14	0.001	21	0.41	56.488	22	33.2	17.15	21	33.2	MA	C7	3724	C -34 4248
39	7.0	7.4W	0 57.387	-0.0012	21	-33 0 44.68	0.016	21	0.41	57.407	22	33.2	44.94	21	33.2	B3	C7	3725	C -32 4763
40	8.3	8.4W	1 2.563	0.0023	21	-32 7 32.37	0.015	21	0.41	2.525	22	33.2	32.62	21	33.2	A0	C7	3726	C -31 5438
41	8.5	7.7W	1 3.140	-0.0023	13	-36 4 43.95	-0.015	13	0.26	3.172	15	36.2	43.74	21	36.2	G5	C8	3426	C -35 4138
42	9.8	8.9W	1 3.672	0.0016	21	-31 41 52.04	0.005	21	0.41	3.645	22	33.2	52.12	21	33.2	K0 L	C7	3727	C -31 5437
43		5.8T	1 6.966	-0.0017	10	-32 19 27.50	-0.003	07	0.52	7.060	17	95.9	20.30	15	90.8	K2	GC	10938K	C -32 4766
44	8.5	8.1W	1 12.991	-0.0058	21	-34 56 37.31	0.127	21	0.41	13.088	22	33.2	39.46	21	33.2	G0	C7	3729	C -34 4259
45	8.6	8.8W	1 16.930	-0.0046	21	-34 14 2.61	0.009	21	0.41	17.007	22	33.2	2.75	21	33.2	B9	C7	3730	C -34 4260
46	8.7	8.2W	1 24.926	-0.0006	21	-30 35 26.28	-0.022	21	0.41	24.935	22	33.2	25.91	21	33.2	G5	C7	3731	C* -30 5525
47	9.9		1 30.172	-0.0007	21	-30 6 38.22	0.061	21	0.41	30.183	22	33.2	39.09	21	33.2	A0	C7	3732	C -29 5433
48	8.0	8.2W	1 32.272	0.0010	21	-31 32 46.38	-0.021	21	0.41	32.255	22	33.2	46.02	21	33.2	B8	C7	3733	C -31 5452
49	9.4	7.8W	1 34.998	-0.0011	08	-38 29 48.35	-0.008	08	0.21	35.012	15	36.2	48.25	21	36.2	K5	C8	3430	C -38 3998
50	9.4	9.4W	1 36.818	-0.0047	13	-37 0 1.92	-0.006	13	0.26	36.883	15	36.2	1.84	21	36.2	F0	C8	3431	C -36 4148
51	8.4	8.6W	8 1 43.678	-0.0004	09	-37 9 25.30	0.003	09	0.22	43.683	15	36.2	25.34	21	36.2	A0	C8	3432	C -36 4149
52		2.3H	1 49.552	-0.0027	02	-39 51 40.83	0.011	02	0.09	49.651	04	12.4	41.26	04	10.8	O D	F4	306	C -39 3939
53	9.6	9.2W	1 51.834	0.0006	21	-30 49 34.11	0.024	21	0.41	51.825	22	33.2	34.51	21	33.2	F5	C7	3734	C -30 5537
54	10.2	8.9W	1 55.100	-0.0034	21	-32 42 46.33	0.007	21	0.41	55.157	22	33.2	46.44	21	33.2		C7	3735	C -32 4784
55	9.1	8.6W	1 55.523	-0.0048	21	-31 24 14.37	0.175	21	0.41	55.605	22	33.2	17.31	21	33.2	G5	C7	3736	C -31 5467
56	8.8	9.1W	1 56.510	0.0004	21	-30 21 55.14	0.002	21	0.41	56.503	22	33.2	55.19	21	33.2	B9	C7	3737	C -30 5541
57	8.1	8.4W	1 58.196	-0.0018	06	-35 22 11.34	-0.022	06	0.20	58.221	15	36.2	11.04	21	36.2	B9	C8	3434	C -35 4153
58	9.4	9.2W	1 58.465	0.0012	21	-31 50 35.32	0.018	21	0.41	58.445	22	33.2	35.62	21	33.2	A0	C7	3738	C -31 5468
59	9.6	8.7W	2 2.236	-0.0011	21	-32 16 37.25	-0.019	21	0.41	2.255	22	33.2	36.92	21	33.2		C7	3739	C -32 4787
60	8.3	8.6W	2 12.710	-0.0045	13	-36 25 30.67	-0.031	13	0.26	12.771	15	36.2	30.24	21	36.2	A0	C8	3435	C -36 4158
61	8.6	8.5W	2 15.561	-0.0009	10	-38 16 16.06	0.035	10	0.23	15.572	15	36.2	16.55	21	36.2	F2	C8	3436	C -38 4011
62	9.0	8.7W	2 17.110	-0.0016	13	-36 16 13.72	0.023	13	0.26	17.132	15	36.2	14.04	21	36.2	F8	C8	3437	C -36 4160
63	8.9	9.1W	2 19.095	-0.0006	21	-31 15 53.36	0.015	21	0.41	19.105	22	33.2	53.61	21	33.2	B9	C7	3740	C -31 5479
64		5.4T	2 19.176	-0.0006	07	-32 31 56.35	0.002	05	0.30	19.204	12	05.9	56.47	12	00.5	M0	GC	10960	C* -32 4796
65	8.8	8.9W	2 27.370	-0.0027	21	-31 10 47.64	-0.008	21	0.41	27.415	22	33.2	47.51	21	33.2	A0	C7	3742	C -30 5560
66	8.4	8.4W	2 31.593	-0.0025	21	-32 25 35.65	0.034	21	0.41	31.635	22	33.2	36.22	21	33.2	A2	C7	3743	C -32 4802
67	9.4	9.0W	2 32.773	0.0008	13	-35 53 24.58	-0.054	13	0.26	32.762	15	36.2	23.84	21	36.2	F8	C8	3438	C -35 4161
68	10.5	8.4W	2 35.256	-0.0041	13	-39 16 4.97	0.005	13	0.26	35.313	15	36.2	5.05	21	36.2	K5	C8	3439	C -39 3951
69	9.5	8.7W	2 35.456	-0.0024	21	-32 51 19.49	0.003	21	0.41	35.497	22	33.2	19.54	21	33.2	G5 L	C7	3744	C -32 4805
70	9.1	9.2W	2 42.995	-0.0042	13	-36 38 9.89	-0.025	13	0.26	43.053	15	36.2	9.54	21	36.2	A2	C8	3440	C -36 4172
71	7.9	7.9W	2 45.950	-0.0041	21	-34 45 16.23	0.007	21	0.41	46.018	22	33.2	16.36	21	33.2	F0	C7	3745	C -34 4295
72	9.6	10.0W	2 48.820	-0.0030	18	-38 29 14.47	-0.002	18	0.31	48.862	15	36.2	14.45	21	36.2	A2 L	C8	3441	C -38 4026
73	10.8	8.8W	2 52.231	-0.0032	21	-32 22 44.31	-0.011	21	0.41	52.285	22	33.2	44.12	21	33.2		C7	3746	C -32 4815
74	8.1	8.4W	2 57.699	-0.0002	13	-36 0 4.17	-0.009	13	0.26	57.702	15	36.2	4.05	21	36.2	B9	C8	3442	C -35 4171
75	8.0	7.7W	3 7.426	-0.0031	21	-34 10 11.13	0.073	21	0.41	7.477	22	33.2	12.35	21	33.2	F5	C7	3747	C -33 4508
76		6.6T	3 7.597	-0.0029	09	-33 26 52.72	0.022	07	0.50	7.765	15	92.9	54.09	15	89.1	F5	GC	10982	C -33 4507
77	10.7	9.5W	3 10.813	-0.0029	13	-37 5 20.95	-0.030	13	0.26	10.853	15	36.2	20.54	21	36.2	K2 L	C8	3443	C -36 4178
78	10.4		3 20.139	-0.0074	21	-30 6 45.30	-0.001	21	0.41	20.263	22	33.2	45.29	21	33.2		C7	3749	C -29 5498
79	8.2	8.5W	3 26.191	-0.0023	07	-36 35 43.71	0.002	07	0.21	26.223	15	36.2	43.74	21	36.2	A0	C8	3444	C -36 4182
80	8.3	7.7W	3 27.742	-0.0008	13	-38 54 35.40	0.010	13	0.26	27.753	15	36.2	35.54	21	36.2	A5	C8	3445	C -38 4048
81	8.9	9.2W	3 31.680	-0.0046	21	-33 13 33.48	0.004	21	0.41	31.757	22	33.2	33.54	21	33.2	A0	C7	3750	C -33 4516
82	8.6	8.3W	3 32.014	-0.0007	21	-30 39 27.11	-0.024	21	0.41	32.025	22	33.2	26.71	21	33.2	F0	C7	3751	C -30 5604
83			3 32.059	-0.0017	13	-38 37 57.90	0.010	13	0.26	32.085	15	36.2	58.04	21	36.2	N0	C8	3446X	C -38 4049
84	8.5	8.0W	3 37.310	-0.0044	21	-30 13 3.50	-0.024	21	0.41	37.383	22	33.2	3.08	21	33.2	F8	C7	3752	C -29 5509
85	9.0	9.2W	3 38.192	0.0000	13	-36 21 38.47	0.005	13	0.26	38.192	15	36.2	38.54	21	36.2	A0	C8	3447	C -36 4184
86	8.5	8.5W	3 39.727	-0.0019	09	-36 52 35.08	-0.054	09	0.22	39.753	15	36.2	34.34	21	36.2	A3	C8	3448	C -36 4185
87	10.6		3 42.587	-0.0019	18	-38 3 27.55	0.014	18	0.31	42.612	15	36.2	27.74	21	36.2	F5 L	C8	3449	C -37 4236
88	8.9	9.1W	3 43.150	-0.0046	21	-33 44 42.67	0.029	21	0.41	43.228	22	33.2	43.15	21	33.2	A2	C7	3753	C -33 4522
89	9.9	8.8W	3 43.746	-0.0019	13	-35 52 23.34	0.000	13	0.26	43.772	15	36.2	23.34	21	36.2	K0 L	C8	3450	C -35 4186
90	8.6	8.9W	3 46.695	-0.0020	21	-34 46 9.23	-0.010	21	0.41	46.728	22	33.2	9.06	21	33.2	B8	C7	3754	C -34 4315
91		6.0T	3 48.977	-0.0009	11	-33 25 30.58	0.008	08	0.57	49.028	18	95.4	31.09	17	90.8	G5	GC	11002K	C -33 4525
92	7.6	8.0W	3 50.220	-0.0040	21	-33 11 19.74	0.018	21	0.41	50.287	22	33.2	20.04	21	33.2	A0	C7	3756	C -32 4834
93	9.5	8.8W	3 53.590	-0.0040	21	-32 57 42.51	0.026	21	0.41	53.657	22	33.2	42.94	21	33.2	G5 L	C7	3757	C -32 4836
94	7.9	8.2W	3 57.841	-0.0001	14	-35 50 11.01	-0.034	14	0.27	57.842	15	36.2	10.55	21	36.2	B5	C8	3452	C -35 4193
95	10.2	9.1W	4 7.412	-0.0022	06	-36 14 36.07	0.005	06	0.20	7.442	15	36.2	36.14	21	36.2		C8	3453	C -36 4194
96	9.1	9.5W	4 9.002	0.0000	07	-36 13 57.40	-0.026	07	0.21	9.002	15	36.2	57.05	21	36.2	B9	C8	3454	C -36 4195
97	7.7	8.2W	4 9.149	0.0036	21	-34 36 38.38	0.005	21	0.41	9.088	22	33.2	38.46	21	33.2	B8	C7	3758	C -34 4323
98	10.2	9.3W	4 12.358	-0.0040	21	-32 25 2.59	-0.010	21	0.41	12.425	22	33.2	2.42	21	33.2		C7	3759	C -32 4845
99	8.2	8.5W	4 13.047	-0.0026	18	-39 0 11.33	0.015	18	0.31	13.083	15	36.2	11.55	21	36.2	A0	C8	3455	C -38 4059
00	9.3	8.0W	4 17.444	-0.0006	07	-36 15 42.54	-0.029	07	0.21	17.451	15	36.2	42.14	21	36.2	K2	C8	3456	C -36 4196

198800	EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 8H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1	10.1	9.0W	8 4 20.015	-0.0006	21	-30 50 25.74	0.016	21	0.41	20.025	22	33.2	26.01	21	33.2		C7	3760	C -30 5631
2	10.3	9.1W	4 22.887	-0.0039	09	-35 23 13.03	0.008	09	0.22	22.941	15	36.2	13.14	21	36.2	G8 L	C8	3457	C -35 4198
3	9.2	8.9W	4 24.086	-0.0007	21	-33 53 46.05	-0.065	21	0.41	24.097	22	33.2	44.95	21	33.2	F2	C7	3761	C -33 4542
4	9.6	10.0W	4 24.398	-0.0061	11	-35 40 44.70	0.003	11	0.24	24.482	15	36.2	44.74	21	36.2	A0 L	C8	3458	C -35 4200
5		7.3T	4 29.993	0.0005	12	-39 57 17.90	-0.013	11	0.63	29.969	18	99.5	17.21	18	96.5	G5	GC	11015K	C#-39 3989
6	7.9	7.0W	4 31.354	0.0001	09	-38 45 8.42	0.067	09	0.22	31.353	15	36.2	9.34	21	36.2	K0	C8	3460	C -38 4064
7	9.8	8.8W	4 32.135	-0.0012	21	-30 39 56.44	0.028	21	0.41	32.155	22	33.2	56.91	21	33.2	K2	C7	3762	C -30 5636
8	7.7	8.0W	4 48.496	0.0000	21	-31 1 23.74	-0.002	21	0.41	48.495	22	33.2	23.71	21	33.2	B8	C7	3763	C -30 5645
9	10.3	8.8W	4 48.861	-0.0043	21	-30 14 9.63	0.003	21	0.41	48.933	22	33.2	9.69	21	33.2	K5	C7	3764	C -30 5646
10	10.2	9.5W	4 52.317	-0.0018	13	-36 15 47.27	-0.002	13	0.26	52.342	15	36.2	47.24	21	36.2	K0 L	C8	3461	C -36 4204
11	8.9	8.8W	4 53.220	-0.0046	09	-36 42 37.19	-0.011	09	0.22	53.282	15	36.2	37.05	21	36.2	A3	C8	3462	C -36 4205
12	9.7	10.0W	5 0.928	-0.0004	18	-37 23 27.39	-0.011	18	0.31	0.933	15	36.3	27.24	21	36.3	A2	C8	3463	C -37 4256
13	10.0	8.8W	5 5.559	0.0019	13	-37 23 13.25	-0.037	13	0.26	5.533	15	36.3	12.74	21	36.3	K	C8	3464	C -37 4258
14	9.2	8.6W	5 16.889	-0.0003	13	-38 54 11.90	-0.019	13	0.26	16.893	15	36.3	11.64	21	36.3	G5	C8	3465	C -38 4080
15	7.7	7.3W	5 17.038	-0.0025	07	-36 14 13.78	0.092	07	0.21	17.072	15	36.3	15.04	21	36.3	F5	C8	3467	C -36 4211
16	9.4	9.3W	5 17.061	0.0022	23	-35 24 28.27	-0.061	23	0.37	17.031	15	36.3	27.44	21	36.3	A0	C8	3466	C -35 4217
17	10.1	8.4W	5 21.936	-0.0020	13	-36 35 38.48	-0.032	13	0.26	21.963	15	36.3	38.04	21	36.3	K5 L	C8	3468	C -36 4212
18	9.9	9.0W	5 25.145	-0.0006	21	-32 11 23.79	0.002	21	0.42	25.155	22	32.7	23.82	21	32.7	G5 L	C7	3765	C -31 5554
19	9.1	8.6W	5 27.522	-0.0117	21	-31 51 50.03	-0.012	21	0.42	27.725	22	32.7	49.82	21	32.7	G5	C7	3766	C -31 5555
20	10.4	8.9W	5 33.105	-0.0027	13	-36 16 48.27	-0.046	13	0.26	33.142	15	36.3	47.64	21	36.3		C8	3469	C -36 4214
21	9.6	9.2W	5 36.589	-0.0015	21	-32 2 13.68	-0.003	21	0.42	36.615	22	32.7	13.62	21	32.7	G0	C7	3767	C -31 5558
22	9.3	9.7W	5 36.653	-0.0007	18	-38 41 47.69	-0.004	18	0.31	36.663	15	36.3	47.64	21	36.3	A0	C8	3470	C -38 4087
23		8.6T	5 39.579	-0.0003	17	-39 21 37.38	-0.005	17	0.82	39.593	24	03.5	37.15	22	03.6	K0	GC	11041	C -39 4005
24		7.8T	5 47.905	0.0002	17	-37 17 23.29	-0.033	17	0.83	47.896	22	03.5	21.73	22	02.5	K2	GC	11044	C -37 4271
25	8.6	8.9W	5 49.911	-0.0015	21	-32 56 43.06	0.028	21	0.42	49.937	22	32.7	43.54	21	32.7	A2	C7	3768	C -32 4880
26		7.6T	5 54.785	-0.0041	17	-37 16 45.24	0.013	18	0.84	54.976	22	03.5	45.84	21	04.2	K0	GC	11046	C -37 4273
27	9.5	9.1W	5 55.424	-0.0018	21	-32 22 13.23	-0.000	21	0.42	55.455	22	32.7	13.22	21	32.7	G0	C7	3769	C -32 4883
28	9.5	9.5W	5 55.617	-0.0010	21	-31 33 0.82	0.035	21	0.42	55.635	22	32.7	1.42	21	32.7	A2	C7	3770	C -31 5563
29	9.6	9.7W	5 57.761	-0.0054	21	-31 13 23.19	-0.022	21	0.42	57.855	22	32.7	22.81	21	32.7	A0	C7	3771	C -31 5564
30	8.9	9.1W	5 57.785	-0.0052	21	-31 57 22.55	-0.013	21	0.42	57.875	22	32.7	22.32	21	32.7	A0	C7	3772	C -31 5565
31	8.1	8.5W	5 59.596	-0.0017	21	-31 18 21.74	0.004	21	0.42	59.625	22	32.7	21.81	21	32.7	B9	C7	3773	C -31 5566
32	7.7	8.0W	6 4.375	-0.0019	21	-33 52 21.67	0.005	21	0.42	4.408	22	32.7	21.75	21	32.7	A0	C7	3774	C -33 4582
33		7.4T	6 6.534	-0.0003	11	-35 3 52.31	-0.020	09	0.57	6.552	18	97.9	51.18	18	93.2	A5	GC	11052	C#-34 4365
34	8.9	8.7W	6 6.810	-0.0038	21	-30 39 21.07	0.054	21	0.42	6.875	22	32.7	22.01	21	32.7	F2	C7	3776	C -30 5695
35	9.0	8.6W	6 9.670	0.0020	21	-30 38 45.64	-0.071	21	0.42	9.635	22	32.7	44.41	21	32.7	G0	C7	3777	C -30 5696
36	8.3	8.2W	6 9.887	-0.0048	09	-37 50 30.33	0.052	09	0.22	9.952	15	36.3	31.05	21	36.3	F2	C8	3474	C -37 4280
37	8.6	8.7W	6 11.071	-0.0061	21	-33 17 40.73	0.007	21	0.42	11.177	22	32.7	40.84	21	32.7	A0	C7	3778	C -33 4584
38	7.8	7.7W	6 16.299	-0.0046	05	-36 16 20.14	0.015	05	0.19	16.362	15	36.3	20.35	21	36.3	F0	C8	3475	C -36 4227
39	7.2	7.5W	6 17.976	-0.0035	21	-33 11 35.93	0.018	21	0.42	18.037	22	32.7	36.24	21	32.7	B8	C7	3779	C -32 4890
40	9.0	9.2W	6 22.695	0.0003	09	-35 20 13.84	-0.029	09	0.22	22.691	15	36.3	13.44	21	36.3	B8	C8	3476	C -35 4235
41	8.2	8.3W	6 24.031	-0.0020	21	-30 55 55.41	-0.006	21	0.42	24.065	22	32.7	55.31	21	32.7	A0	C7	3780	C -30 5704
42	8.6	8.5W	6 31.642	-0.0030	06	-38 45 8.80	0.105	06	0.20	31.683	15	36.3	10.24	21	36.3	F8	C8	3477	C -38 4108
43	10.2	8.9W	6 32.989	-0.0016	21	-33 6 45.24	-0.023	21	0.42	33.017	22	32.7	44.84	21	32.7	K2 L	C7	3781	C -32 4896
44	10.5	8.7W	6 33.329	0.0036	21	-32 35 20.21	-0.044	21	0.42	33.267	22	32.7	19.44	21	32.7	K L	C7	3782	C -32 4895
45	8.2	8.6W	6 33.883	-0.0022	23	-36 39 27.80	-0.070	23	0.37	33.912	15	36.3	26.84	21	36.3	A0	C8	3478	C -36 4231
46	9.0	9.4W	6 36.155	0.0017	21	-30 48 51.59	0.007	21	0.42	36.125	22	32.7	51.71	21	32.7	A0	C7	3783	C -30 5706
47	9.8	8.8W	6 42.678	-0.0055	13	-36 56 58.72	-0.035	13	0.26	42.753	15	36.3	58.25	21	36.3	K0 L	C8	3479	C -36 4235
48		6.4T	6 47.587	-0.0014	07	-37 32 3.71	-0.012	07	0.33	47.647	10	07.6	3.18	10	05.6	B5	GC	11070	C#-37 4288
49		6.8T	6 49.181	0.0008	14	-39 21 8.54	-0.008	12	0.69	49.142	18	01.0	8.13	19	98.1	A0	GC	11072	C -39 4026
50	10.3	10.2W	6 50.469	-0.0024	18	-38 12 39.69	-0.011	18	0.31	50.502	15	36.3	39.54	21	36.3	A8 L	C8	3482	C -37 4291
51	9.8	9.5W	8 6 51.025	-0.0093	13	-35 44 58.87	-0.002	13	0.26	51.152	15	36.3	58.84	21	36.3		C8	3483	C -35 4244
52	9.4	9.2W	6 52.611	-0.0001	09	-36 17 11.42	0.009	09	0.22	52.612	15	36.3	11.54	21	36.3	F5	C8	3484	C -36 4239
53	7.3	7.7W	6 59.101	-0.0015	21	-33 5 56.12	0.019	21	0.42	59.127	22	32.7	56.44	21	32.7	B5	C7	3784	C -32 4905
54		6.7T	7 5.943	0.0015	13	-30 10 29.03	-0.004	12	0.68	5.866	18	99.6	28.82	18	96.7	K5	GC	11076	C#-29 5620
55		7.3T	7 10.547	-0.0004	16	-31 29 53.93	0.004	12	0.72	10.565	17	01.9	54.13	18	98.4	G5	GC	11080	C -31 5592
56		9.1R	7 11.818	-0.0003	17	-30 10 46.93	0.018	17	0.32	11.824	16	33.1	47.24	16	33.1	A3 J	13B	4822	J -29 5625
57		8.5T	7 12.161	-0.0030	22	-39 22 12.64	0.006	15	0.95	12.301	29	03.4	12.94	24	99.9	K2	GC	11083	C -39 4040
58		7.1T	7 15.425	-0.0009	14	-39 21 57.33	-0.040	12	0.70	15.469	18	01.3	55.24	21	97.7	K0	GC	11084	C -39 4040
59		6.2T	7 16.670	-0.0002	11	-35 18 26.70	0.011	09	0.59	16.683	18	96.8	27.34	18	91.5	G5	GC	11085	C -35 4256
60		8.6W	7 18.746	0.0003	09	-36 8 17.23	-0.065	09	0.22	18.742	15	36.3	16.34	21	36.3	F5 L	C8	3488	C -35 4257
61	9.2	9.7W	7 20.792	-0.0015	09	-37 2 47.36	0.006	09	0.22	20.813	15	36.3	47.44	21	36.3	A0	C8	3489	C -36 4253
62	7.9	8.3W	7 21.080	-0.0001	13	-37 38 59.10	0.032	13	0.26	21.082	15	36.3	59.54	21	36.3	B5	C8	3490	C -37 4297
63	9.5	9.9W	7 28.629	-0.0032	18	-37 4 41.15	-0.023	18	0.31	28.673	15	36.3	40.84	21	36.3	A0	C8	3491	C -36 4257
64	9.2	9.7W	7 29.787	0.0011	11	-35 57 22.09	-0.018	11	0.24	29.772	15	36.3	21.84	21	36.3	B9	C8	3492	C -35 4261
65	8.1	8.5W	7 29.857	-0.0011	21	-30 56 15.71	0.017	21	0.42	29.875	22	32.7	16.01	21	32.7	A0	C7	3787	C -30 5739
66	9.1	9.3W	7 33.906	0.0004	21	-34 55 54.28	0.010	21	0.42	33.898	22	32.7	54.46	21	32.7	A0	C7	3788	C -34 4404
67	9.1	8.0W	7 45.827	0.0003	23	-36 41 0.73	-0.036	23	0.37	45.823	15	36.3	0.24	21	36.3	K0	C8	3493	C -36 4262
68	8.9	8.1W	8 0.761	-0.0008	07	-35 48 27.11	-0.027	07	0.21	0.772	15	36.3	26.74	21	36.3	K0	C8	3495	C -35 4270
69	9.5	9.2W	8 4.674	-0.0031	21	-34 21 29.24	0.053	21	0.42	4.728	22	32.7	30.15	21	32.7	G0 L	C7	3789	C -34 4419
70	10.0	9.8W	8 6.429	-0.0039	18	-39 7 53.60	0.010	18	0.31	6.483	15	36.3	53.74	21	36.3	F5 L	C8	3496	C -38 4142
71	9.6	7.7W	8 9.056	-0.0012	21	-32 46 10.51	0.002	21	0.42	9.077	22	32.7	10.54	21	32.7	K5 L	C7	3790	C -32 4927
72	8.6	8.6W	8 12.576	-0.0036	21	-33 52 47.85	0.012	21	0.42	12.637	22	32.7	48.05	21	32.7	A3	C7	3791	C -33 4619
73	8.8	9.2W	8 12.708	-0.0047	09	-36 23 17.98	-0.025	09	0.22	12.772	15	36.3	17.64	21	36.3	B9	C8	3497	C -36 4270
74	8.6	8.4W	8 17.135	-0.0001	21	-32 35 43.98	-0.060	21	0.42	17.137	22	32.7	42.84	21	32.7	F0	C7	3792	C -32 4928
75	10.6	8.9W	8 18.771	0.0000	23	-35 29 53.61	-0.042	23	0.37	18.771	15	36.3	53.04	21	36.3	K2 L	C8	3498	C -35 4280
76	8.6	7.8W	8 22.550	-0.0017	18	-38 0 47.17	0.049	18	0.31	22.572	15	36.3	47.84	21	36.3	K0	C8	3500	C -37 4316
77	8.8	8.5W	8 22.655	-0.0051	21	-30 5 5.26	0.088	21	0.42	22.743	22	32.7	6.79	21	32.7	F5	C7	3793	C -29 5664
78	7.9	8.4W	8 23.066	-0.0035	21	-32 53 47.09	-0.008	21	0.42	23.127	22	32.7	46.94	21	32.7	B9	C7	3794	C -32 4930
79	9.6	9.5W	8 29.062	-0.0044	09	-36 27 22.40	-0.004	09	0.22	29.122	15	36.3	22.34	21	36.3	A3	C8	3501	C -36 4278
80	8.7	9.0W	8 29.123	-0.0014	23	-35 37 27.44	-0.051	23	0.37	29.142	15	36.3	26.74	21	36.3	A0	C8	3502	C -35 4282
81	8.1	8.6W	8 29.968	0.0011	09	-37 1 52.54	-0.029	09	0.22	29.953	15	36.3	52.14	21	36.3	B5	C8	3503	C -36 4279
82	8.9	7.5W	8 31.242	0.0000	06	-36 5 0.61	-0.005	06	0.20	31.242	15	36.3	0.54	21	36.3	K5	C8	3504	C -35 4283
83	8.5	8.7W	8 33.280	-0.0002	21	-30 45 31.35	0.015	21	0.42	33.285	22	32.7	31.61	21	32.7	A0	C7	3795	C -30 5779
84	8.9	9.1W	8 40.823	-0.0014	21	-32 54 28.02	-0.010	21	0.42	40.847	22	32.7	27.84	21	32.7	B9	C7	3796	C -32 4937
85	8.9	9.2W	8 46.031	-0.0039	21	-34 50 10.36	-0.017	21	0.42	46.098	22	32.7	10.06	21	32.7	B9	C7	3797	C -34 4438
86	8.0	7.8W	8 47.462	-0.0009	13	-39 30 56.96	0.013	13	0.26	47.474	15	36.3	57.14	21	36.3	F5	C8	3506	C -39 4064
87	10.1	9.1W	8 49.743	-0.0021	09	-35 56 6.28	-0.003	09	0.22	49.772	15	36.3	6.25	21	36.3	G8 L	C8	3507	C -35 4290
88	8.0	8.2W	8 49.890	-0.0026	21	-32 27 17.43	-0.012	21	0.42	49.935	22	32.7	17.22	21	32.7	A0	C7	3798	C#-32 4939
89		8.9T	8 50.912	-0.0036	18	-36 36 35.36	-0.002	16	0.80	51.071	21	05.9	35.27	21	03.3	B9	GC	11131	C -36 4284
90	8.8	8.9W	8 51.056	-0.0025	21	-34 46 14.90	-0.019	21	0.42	51.098	22	32.7	14.56	21	32.7	A3	C7	3799	C -34 4442
91		7.3T	8 53.321	-0.0029	15	-32 13 49.40	0.056	11	0.67	53.462	18	02.2	52.23	18	99.1	K2	GC	11133	C -32 4941
92		7.5T	8 58.385	-0.0003	32	-38 7 10.69	-0.028	32	1.35	58.398	26	07.9	9.51	26	07.9	A0	GC	11135	C -37 4333
93	10.2	9.3W	9 2.496	0.0004	21	-34 57 53.23	0.024	21	0.42	2.488	22	32.7	53.66	21	32.7	K0 L	C7	3801	C -34 4446
94	9.6	9.4W	9 3.941	-0.0007	21	-30 10 16.70	0.039	21	0.42	3.953	22	32.7	17.38	21	32.7	A5	C7	3802	C -29 5681
95	8.3	8.6W	9 4.037	-0.0019	09	-37 4 16.83	0.008	09	0.22	4.063	15	36.3	16.94	21	36.3	B9	C8	3511	C -36 4287
96	8.8	8.9W	9 7.386	-0.0011	21	-31 53 19.34	-0.030	21	0.42	7.405	22	32.7	18.82	21	32.7	A2	C7	3803	C -31 5646
97	7.1	7.5W	9 9.372	-0.0001	09	-38 55 42.55	-0.001	09	0.22	9.373	15	36.3	42.55	21	36.3	B9	C8	3512	C -38 4155
98		6.3T	9 10.713	-0.0015	06	-37 8 33.75	0.001	05	0.28	10.777	12	07.7	33.80	12	03.2	B0	GC	11139K	C -36 4291
99	8.8	9.1W	9 11.854	-0.0049	21	-34 44 18.66	0.029	21	0.42	11.938	22	32.7	19.16	21	32.7	A0	C7	3804	C -34 4448
00	8.9	9.4W	9 17.758	0.0019	09	-35 39 40.34	-0.029	09	0.22	17.732	15	36.3	39.94	21	36.3	B9	C8	3514	C -35 4302

198900			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 8H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1	8.4	8.4W	8 9 19.495	-0.0001	21	-32 59 40.01	0.008	21	0.42	19.497	22	32.7	40.14	21	32.7	A3	C7	3805	C -32 4950		
2	10.2	9.4W	9 23.128	-0.0040	09	-37 2 39.36	-0.038	09	0.22	23.183	15	36.3	38.84	21	36.3		C8	3515	C -36 4295		
3	8.7	8.6W	9 26.401	-0.0044	23	-35 17 53.36	0.013	23	0.37	26.461	15	36.3	53.54	21	36.3	F0	C8	3516	C -35 4304		
4	8.4	8.6W	9 28.628	-0.0011	10	-37 18 39.52	0.001	10	0.23	28.643	15	36.3	39.54	21	36.3	B8	C8	3517	C -37 4341		
5		7.2T	9 29.832	-0.0016	15	-36 39 3.28	-0.016	11	0.69	29.910	21	01.5	2.45	19	97.5	K0	GC	11146	C -36 4300		
6		9.6T	9 33.405	-0.0057	22	-36 36 24.43	-0.021	20	0.96	33.654	24	06.4	23.49	24	04.9	A0	GC	11148	C -36 4302		
7	9.9	8.8W	9 33.618	-0.0046	21	-34 0 24.61	-0.049	21	0.42	33.697	22	32.7	23.75	21	32.7		C7	3806	C -33 4651		
8		4.4T	9 34.249	-0.0006	07	-39 28 6.92	-0.006	04	0.27	34.274	12	08.5	6.62	12	00.4	K5	GC	11149	C#-39 4084		
9	9.0	9.1W	9 37.890	0.0021	09	-35 15 54.49	0.004	09	0.22	37.861	15	36.3	54.54	21	36.3	A0	C8	3521	C -35 4308		
10	9.0	9.1W	9 43.708	-0.0033	21	-32 0 12.56	0.015	21	0.42	43.765	22	32.7	12.82	21	32.7	B	C7	3807	C#-31 5661		
11	8.9	9.4W	9 45.273	-0.0007	09	-37 3 47.25	-0.023	09	0.22	45.283	15	36.3	46.94	21	36.3	B8	C8	3522	C -36 4308		
12	9.1	8.9W	9 46.255	-0.0006	13	-39 13 24.12	-0.006	13	0.26	46.263	15	36.3	24.04	21	36.3	F5	C8	3523	C -39 4087		
13	8.0	8.2W	9 46.503	0.0007	14	-37 13 48.41	-0.027	14	0.26	46.492	15	36.3	48.04	21	36.3	B5	C8	3524	C -37 4352		
14	9.0	8.6W	9 49.956	-0.0137	21	-30 10 21.13	0.066	21	0.42	50.193	22	32.7	22.28	21	32.7	G0	C7	3808	C -29 5710		
15	8.7	8.9W	9 51.401	-0.0031	09	-37 2 5.85	-0.030	09	0.22	51.443	15	36.3	5.44	21	36.3	B9	C8	3525	C -36 4309		
16		7.7T	9 53.794	0.0011	13	-30 3 41.65	-0.004	12	0.70	53.738	21	99.8	41.44	19	97.3	B8	GC	11159	C -29 5713		
17		8.8T	10 0.053	-0.0019	22	-37 47 13.90	0.027	17	0.93	0.138	24	05.6	15.18	22	03.0	A0	GC	11161	C -37 4362		
18		6.7T	10 0.077	0.0014	26	-35 37 21.69	-0.024	22	1.11	0.013	22	05.1	20.61	22	04.9	MB	GC	11162	C -35 4316		
19	8.3	8.6W	10 0.752	-0.0008	10	-37 25 24.50	0.032	10	0.23	0.763	15	36.3	24.94	21	36.3	B8	C8	3528	C -37 4359		
20	8.1	8.5W	10 3.565	-0.0006	18	-38 49 2.99	0.018	18	0.31	3.573	15	36.3	3.24	21	36.3	A0	C8	3529	C -38 4164		
21	9.2	9.5W	10 8.538	-0.0033	13	-37 22 33.08	0.019	13	0.26	8.583	15	36.3	33.34	21	36.3	B8	C8	3530	C -37 4365		
22	9.4	9.1W	10 9.633	-0.0043	13	-35 57 27.12	-0.013	13	0.26	9.692	15	36.3	26.95	21	36.3	F5	C8	3531	C -35 4319		
23	8.9	8.6W	10 12.120	-0.0043	21	-32 25 2.69	0.002	21	0.42	12.195	22	32.7	2.72	21	32.7		C7	3810	C -32 4967		
24	8.3	7.7W	10 14.555	-0.0042	13	-35 34 56.45	-0.023	13	0.26	14.612	15	36.3	56.14	21	36.3	G5	C8	3532	C -35 4322		
25	10.6	9.6W	10 15.215	-0.0011	21	-30 23 25.66	0.076	21	0.42	15.233	22	32.7	26.99	21	32.7		C7	3811	C -30 5829		
26	9.6	9.2W	10 21.638	-0.0013	21	-35 2 22.52	-0.057	21	0.42	21.660	22	32.7	21.54	21	32.7		C7	3812	C -34 4470		
27	10.9	9.2W	10 21.890	0.0037	21	-30 55 6.94	0.027	21	0.42	21.825	22	32.7	7.41	21	32.7	K L	C7	3813	C -30 5833		
28	8.8	9.0W	10 24.689	-0.0010	13	-37 22 41.66	0.006	13	0.26	24.702	15	36.3	41.74	21	36.3	B9	C8	3533	C -37 4370		
29	9.0	9.2W	10 27.759	-0.0046	21	-34 54 49.87	-0.012	21	0.42	27.838	22	32.7	49.66	21	32.7	A0	C7	3814	C -34 4472		
30			10 30.774	-0.0014	06	-36 47 34.28	-0.003	06	0.20	30.792	15	36.3	34.25	21	36.3	F5 L	C8	3534X	C -36 4319		
31		6.7T	10 35.638	-0.0031	11	-36 50 16.90	0.009	09	0.57	35.807	17	95.5	17.43	17	91.7	B0	GC	11175	C -36 4322		
32	10.1	9.5W	10 40.347	0.0001	21	-31 31 28.53	-0.064	21	0.42	40.345	22	32.7	27.42	21	32.7	G0 L	C7	3815	C -31 5687		
33	9.2	8.9W	10 41.375	0.0046	21	-30 55 35.50	0.018	21	0.42	41.295	22	32.7	35.81	21	32.7	F0	C7	3816	C -30 5848		
34	9.4	9.3W	10 42.104	-0.0040	21	-30 8 3.99	0.092	21	0.42	42.173	22	32.7	5.59	21	32.7	A0	C7	3817	C -29 5734		
35	9.2	7.6W	10 42.874	-0.0007	10	-36 30 59.42	-0.042	10	0.23	42.883	15	36.3	58.84	21	36.3	K2	C8	3536	C -36 4325		
36	8.2	8.6W	10 56.386	0.0002	10	-36 53 55.20	0.003	10	0.23	56.383	15	36.3	55.24	21	36.3	A2 L	C8	3538	C -36 4329		
37	10.1	8.6W	10 57.894	-0.0006	06	-35 40 32.27	-0.010	06	0.20	57.902	15	36.3	32.14	21	36.3		C8	3539	C -35 4335		
38	7.2	7.7W	10 57.900	-0.0016	10	-36 4 37.05	-0.030	10	0.23	57.922	15	36.3	36.64	21	36.3	B3	C8	3540	C -35 4336		
39	8.8	9.2W	11 0.380	-0.0001	13	-37 34 0.54	0.022	13	0.26	0.382	15	36.3	0.84	21	36.3	B9	C8	3541	C -37 4393		
40	9.0	9.0W	11 1.000	-0.0034	21	-34 59 55.24	0.019	21	0.42	1.058	22	32.7	55.55	21	32.7	B9	C7	3818	C -34 4487		
41	8.9	8.4W	11 1.140	-0.0015	07	-35 14 31.42	0.031	07	0.21	1.161	15	36.3	31.84	21	36.3	G5	C8	3542	C -35 4337		
42		6.4T	11 1.327	-0.0015	13	-37 46 21.99	-0.004	12	0.69	1.402	22	00.3	21.79	21	97.5	A3	GC	11182	C -37 4394		
43	9.3	9.1W	11 2.727	-0.0041	09	-37 0 54.67	0.027	09	0.22	2.783	15	36.3	55.04	21	36.3	F8 L	C8	3544	C -36 4334		
44			11 8.975	-0.0025	21	-34 25 35.61	0.020	21	0.42	9.017	22	32.7	35.95	21	32.7	K0	C7	3819V	C#-34 4488		
45	8.6	9.1W	11 11.670	-0.0038	18	-37 37 11.85	0.007	18	0.31	11.722	15	36.3	11.94	21	36.3	B9	C8	3545	C -37 4490		
46	8.8	8.8W	11 13.834	-0.0008	21	-34 10 8.08	-0.030	21	0.42	13.847	22	32.7	7.55	21	32.7	A2	C7	3820	C -33 4690		
47		7.6T	11 16.437	-0.0002	15	-32 0 14.56	0.024	10	0.65	16.449	18	02.2	15.73	19	00.4	B3	GC	11187	C -31 5709		
48	8.3	8.6W	11 21.764	-0.0042	21	-32 49 2.05	-0.000	21	0.42	21.837	22	32.7	2.04	21	32.7	A0	C7	3822	C -32 4990		
49		7.2T	11 25.410	-0.0034	12	-36 11 24.29	-0.012	10	0.63	25.585	19	98.1	23.63	18	93.9	B8	GC	11192	C -35 4344		
50	9.6	9.6W	11 25.795	-0.0035	09	-36 59 8.37	-0.002	09	0.22	25.843	15	36.3	8.34	21	36.3	A5 L	C8	3548	C -36 4343		
51	9.1	9.3W	8 11 29.160	-0.0068	13	-38 54 22.75	-0.008	13	0.26	29.253	15	36.3	22.64	21	36.3	B9	C8	3549	C -38 4186		
52	8.5	8.8W	11 29.599	-0.0038	13	-35 13 2.61	-0.020	13	0.26	29.651	15	36.3	2.34	21	36.3	A0	C8	3550	C -34 4493		
53		7.2T	11 29.800	-0.0037	12	-36 9 30.06	0.007	10	0.60	29.988	18	98.8	30.44	18	97.0	B8	GC	11194	C -35 4346		
54	7.4	7.5W	11 32.814	-0.0035	18	-38 17 10.69	-0.011	18	0.31	32.862	15	36.3	10.55	21	36.3	B3	C8	3552	C -38 4187		
55	8.6	8.8W	11 35.160	-0.0010	13	-39 41 53.85	0.007	13	0.26	35.174	15	36.3	53.94	21	36.3	A2 L	C8	3553	C -39 4116		
56	8.5	7.6W	11 35.340	0.0042	21	-33 8 50.19	-0.037	21	0.42	35.267	22	32.7	49.54	21	32.7	K2	C7	3823	C -32 4997		
57		4.8T	11 36.196	-0.0003	05	-35 44 51.41	-0.004	04	0.24	36.208	10	04.1	51.21	10	97.9	B3F	GC	11197	C#-35 4349		
58		6.7T	11 36.531	-0.0267	13	-31 35 7.42	0.143	13	0.70	37.890	17	99.2	14.86	18	97.8	G0	GC	11198K	C -31 5719		
59	7.8	8.3W	11 39.338	-0.0040	23	-36 15 18.45	-0.001	23	0.37	39.392	15	36.3	18.44	21	36.3	B8	C8	3555	C -36 4348		
60		6.4T	11 44.201	0.0022	17	-33 25 1.63	0.017	13	0.78	44.096	17	01.4	2.47	19	99.0	K2	GC	11201	C#-33 4705		
61	8.7	8.9W	11 44.404	-0.0017	21	-31 23 48.46	0.020	21	0.42	44.435	22	32.7	48.81	21	32.7	A0	C7	3826	C -31 5722		
62	9.3	9.8W	11 48.918	-0.0010	23	-35 35 28.90	-0.004	23	0.37	48.932	15	36.3	28.84	21	36.3	A0 L	C8	3558	C -35 4352		
63	9.4	9.0W	11 50.714	-0.0035	21	-32 10 0.59	0.025	21	0.42	50.775	22	32.7	1.02	21	32.7	F0	C7	3827	C -31 5726		
64	8.0	8.2W	11 51.125	-0.0054	21	-34 35 11.39	-0.025	21	0.42	51.218	22	32.7	10.95	21	32.7	A0	C7	3828	C -34 4501		
65	10.1	9.1W	11 53.180	-0.0009	21	-31 24 43.36	0.003	21	0.42	53.195	22	32.7	43.41	21	32.7	K0	C7	3829	C -31 5727		
66	7.8	8.3W	11 56.005	-0.0027	14	-37 34 18.78	0.004	14	0.26	56.042	15	36.3	18.84	21	36.3	B9	C8	3559	C -37 4420		
67		7.0T	11 56.152	-0.0034	26	-35 3 21.29	-0.047	22	1.10	56.307	19	04.9	19.19	21	05.2	K0	GC	11203	C -34 4504		
68	8.7	8.0W	12 5.156	-0.0048	18	-37 31 32.84	-0.007	18	0.31	5.222	15	36.3	32.74	21	36.3	G5	C8	3560	C -37 4425		
69		5.1T	12 5.590	0.0003	07	-36 10 11.47	-0.005	06	0.30	5.576	12	08.2	11.25	12	04.2	B3	GC	11208	C#-35 4358		
70		6.0T	12 6.020	0.0003	07	-36 11 18.21	-0.010	06	0.31	6.006	12	08.8	17.75	12	04.2	B8	GC	11209	C -35 4360		
71		6.9T	12 11.987	0.0004	20	-36 47 58.78	-0.018	18	0.92	11.969	21	03.4	57.93	21	02.4	CE5	GC	11213	C#-36 4359		
72		6.1T	12 12.285	-0.0012	05	-31 59 17.21	-0.005	05	0.25	12.339	10	06.4	16.96	10	05.3	B3	GC	11214K	C#-31 5742		
73	7.3	7.7W	12 13.010	-0.0016	06	-36 16 23.13	-0.014	06	0.20	13.032	15	36.3	22.95	21	36.3	B8	C8	3564	C -36 4358		
74	9.1	8.3W	12 15.959	-0.0023	21	-34 38 22.45	0.041	21	0.42	15.998	22	32.7	23.16	21	32.7	G5	C7	3832	C -34 4508		
75	8.7	9.1W	12 16.401	-0.0001	13	-36 9 19.47	-0.002	13	0.26	16.402	15	36.3	19.45	21	36.3	B9	C8	3565	C -35 4364		
76	9.9	8.6W	12 16.624	0.0005	21	-31 47 59.74	-0.007	21	0.42	16.615	22	32.7	59.62	21	32.7	K0 L	C7	3833	C -31 5744		
77	9.8	9.6W	12 17.371	-0.0038	23	-36 35 17.34	0.029	23	0.37	17.423	15	36.3	17.74	21	36.3	F2 L	C8	3566	C -36 4360		
78		9.1R	12 18.196	-0.0025	17	-30 10 9.45	-0.017	17	0.32	18.238	16	33.1	9.16	16	33.1	A3 M	13B	4900	J -29 5779		
79		5.8T	12 19.390	-0.0050	13	-35 20 15.47	0.005	12	0.68	19.641	17	00.2	15.73	19	98.3	K0	GC	11217	C -35 4365		
80	9.7	9.2W	12 25.912	0.0000	13	-36 19 55.31	-0.034	13	0.26	25.912	15	36.3	54.84	21	36.3	F5 L	C8	3568	C -36 4363		
81	8.3	8.5W	12 27.994	-0.0006	13	-35 59 21.42	0.009	13	0.26	28.002	15	36.3	21.54	21	36.3	A2	C8	3569	C -35 4368		
82	9.0	9.4W	12 37.190	-0.0038	13	-37 42 34.75	-0.001	13	0.26	37.242	15	36.3	34.74	21	36.3	B9	C8	3570	C -37 4436		
83	7.7	7.9W	12 40.513	-0.0028	10	-38 21 21.04	0.015	10	0.23	40.552	15	36.3	21.25	21	36.3	A2	C8	3571	C -38 4205		
84	9.3	8.5W	12 47.138	-0.0033	13	-36 40 47.37	-0.024	13	0.26	47.183	15	36.3	47.04	21	36.3	K0 L	C8	3572	C -36 4371		
85	8.8	9.0W	12 48.369	0.0025	21	-30 45 55.88	-0.033	21	0.42	48.325	22	32.7	55.31	21	32.7	B8	C7	3834	C -30 5910		
86		8.1T	12 54.188	-0.0043	22	-37 45 55.73	0.010	17	0.93	54.379	24	05.6	56.21	22	03.0	B9	GC	11239	C -37 4442		
87	9.1	9.1W	12 58.183	0.0014	13	-39 36 28.78	0.026	13	0.26	58.164	15	36.3	29.14	21	36.3	A2	C8	3574	C -39 4139		
88	7.7	8.0W	12 59.540	-0.0025	21	-30 15 56.94	-0.015	21	0.42	59.583	22	32.7	56.69	21	32.7	A0	C7	3835	C -30 5917		
89	7.5	7.7W	13 0.167	-0.0004	21	-30 42 12.40	0.018	21	0.42	0.175	22	32.7	12.71	21	32.7	A3	C7	3836	C -30 5918		
90	10.5	9.1W	13 0.572	-0.0022	18	-38 15 32.45	0.014	18	0.31	0.602	15	36.3	32.65	21	36.3	G5 L	C8	3575	C -38 4210		
91		6.8T	13 2.904	-0.0020	16	-35 32 8.28	0.024	14	0.77	2.999	19	01.4	9.47	21	00.7	K2	GC	11240K	C#-35 4380		
92	7.4	7.8W	13 10.664	-0.0014	06	-36 30 5.60	-0.026	06	0.20	10.683	15	36.3	5.24	21	36.3	B9	C8	3577	C -36 4381		
93	9.5	9.6W	13 14.868	-0.0009	21	-31 8 44.37	0.060	21	0.42	14.885	22	32.7	45.41	21	32.7	A0	C7	3837	C -30 5927		
94	9.0	9.1W	13 15.834	-0.0012	21	-31 34 7.82	0.035	21	0.42	15.855	22	32.7	8.42	21	32.7	A0	C7	3838	C -31 5764		
95	9.9	8.6W	13 18.532	-0.0027	21	-34 30 39.31	0.002	21	0.42	18.578	22	32.7	39.36	21	32.7		C7	3839	C -34 4532		
96	8.1	8.5W	13 28.365	-0.0042	13	-36 18 56.04	-0.022	13	0.26	28.422	15	36.3	55.74	21	36.3	B9	C8	3578	C -36 4385		
97	7.8	8.1W	13 31.742	-0.0019	21	-31 49 28.62	0.012	21	0.42	31.775	22	32.7	28.82	21	32.7	B9	C7	3840	C -31 5773		
98	8.5	8.8W	13 34.400	-0.0016	13	-36 4 10.86	-0.009	13	0.26	34.422	15	36.3	10.74	21	36.3	A0	C8	-35579	C -35 4388		
99		9.6T	13 36.326	-0.0029	14	-37 12 47.07	-0.006	13	0.71	36.466	22	01.9	46.78	22	00.2		GC	11243K	C -36 4387		
00		7.2T	13 36.720	-0.0003	12	-37 13 4.38	-0.001	11	0.60	36.735	19	00.0	4.33	18	97.0	B8	GC	11250K	C -36 4389		

199000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 8H DM NUMBER
1	9.0	9.0W	8 13 38.684	0.0001	09	-36 57 48.67	-0.024	09	0.22	38.683	15	36.3	48.34	21	36.3	B	C8	3582	C -36 4390
2	8.9	9.0W	13 38.723	-0.0043	13	-35 46 13.67	-0.039	13	0.26	38.782	15	36.3	13.14	21	36.3	A0	C8	3583	C -35 4389
3	8.6	8.0W	13 44.808	-0.0003	21	-30 25 29.39	-0.046	21	0.42	44.813	22	32.7	28.59	21	32.7	G0	C7	3841	C -30 5940
4	9.8	10.0W	13 45.016	-0.0020	18	-38 50 10.39	-0.004	18	0.31	45.043	15	36.3	10.34	21	36.3	A3 L	C8	3584	C -38 4227
5	8.3	8.6W	13 45.353	-0.0007	21	-30 39 23.39	-0.005	21	0.42	45.365	22	32.7	23.31	21	32.7	B5	C7	3842	C -30 5943
6	9.2	9.2W	13 45.446	-0.0013	13	-39 33 47.49	-0.033	13	0.26	45.464	15	36.3	47.04	21	36.3	A0	C8	3585	C -39 4153
7	8.4	8.6W	13 48.582	-0.0041	21	-30 26 44.88	0.029	21	0.42	48.653	22	32.7	45.39	21	32.7	A0	C7	3843	C -30 5945
8	9.3	8.2W	13 48.926	-0.0036	21	-33 55 2.39	0.004	21	0.42	48.987	22	32.7	2.45	21	32.7	K0	C7	3844	C -33 4751
9	10.3	9.5W	13 49.471	-0.0014	21	-31 43 24.62	0.029	21	0.42	49.495	22	32.7	25.12	21	32.7		C7	3845	C -31 5782
10		6.3T	13 52.186	-0.0040	12	-30 46 15.88	-0.008	11	0.66	52.395	15	97.3	15.43	15	94.0	G5	GC	11256K	C*-30 5946
11	8.9	8.9W	13 54.508	-0.0024	10	-35 28 37.23	-0.021	10	0.23	54.541	15	36.3	36.94	21	36.3	B	C8	3587	C -35 4396
12	8.5	8.2W	13 54.811	-0.0043	21	-30 40 32.10	-0.063	21	0.42	54.885	22	32.7	31.01	21	32.7		C7	3847	C -30 5947
13	9.9	8.3W	13 56.082	0.0015	21	-30 59 59.62	-0.012	21	0.42	56.055	22	32.7	59.41	21	32.7	K5	C7	3848	C -30 5948
14		7.0T	13 57.512	-0.0001	11	-30 1 46.24	0.010	11	0.61	57.516	18	97.5	46.79	18	96.1	G5	GC	11260	C -29 5836
15		6.2T	14 5.257	-0.0001	13	-35 44 54.10	0.012	13	0.72	5.260	18	98.5	54.73	19	98.1	K2	GC	11263	C -35 4401
16	9.4	9.1W	14 8.122	-0.0042	21	-31 36 16.54	0.028	21	0.42	8.195	22	32.7	17.02	21	32.7	F8	C7	3849	C -31 5787
17	9.7	8.8W	14 9.074	-0.0001	21	-31 24 46.37	0.048	21	0.42	9.075	22	32.7	47.21	21	32.7	K0	C7	3850	C -31 5788
18		7.0T	14 18.841	0.0007	16	-35 43 39.43	0.034	15	0.80	18.804	18	99.9	41.15	19	99.4	G5	GC	11268	C -35 4406
19	9.7	9.0W	14 25.812	-0.0015	09	-36 22 37.25	0.021	09	0.22	25.832	15	36.3	37.54	21	36.3	G2 L	C8	3590	C -36 4407
20		6.9T	14 31.830	0.0001	36	-36 2 49.76	0.023	43	1.68	31.824	21	07.5	50.71	22	08.6	B5	GC	11277	C*-35 4413
21	8.4	8.7W	14 32.344	-0.0022	13	-39 41 37.44	-0.029	13	0.26	32.374	15	36.3	37.04	21	36.3	B8	C8	3592	C -39 4162
22	8.9	8.9W	14 35.529	-0.0033	13	-39 42 40.84	-0.037	13	0.26	35.574	15	36.3	40.34	21	36.3	A2	C8	3593	C -39 4164
23	8.6	9.0W	14 36.454	-0.0006	09	-35 34 24.95	-0.008	09	0.22	36.462	15	36.3	24.84	21	36.3	B9	C8	3594	C -35 4414
24		7.0T	14 37.413	-0.0011	26	-39 35 51.96	0.010	22	1.08	37.461	24	06.9	52.40	24	05.7	K0	GC	11283	C -39 4165
25	8.9	8.6W	14 41.150	-0.0027	21	-33 1 18.48	-0.019	21	0.42	41.197	22	32.7	18.14	21	32.7	F8	C7	3851	C -32 5068
26	9.5	8.1W	14 41.805	-0.0027	13	-38 29 44.09	-0.033	13	0.26	41.842	15	36.3	43.64	21	36.3	K5	C8	3596	C -38 4241
27	9.0	8.9W	14 42.932	-0.0015	08	-37 18 55.48	-0.003	08	0.21	42.952	15	36.3	55.45	21	36.3	A5	C8	3597	C -37 4487
28	8.9	8.6W	14 43.356	-0.0007	21	-33 59 22.48	-0.007	21	0.42	43.367	22	32.7	22.35	21	32.7	A5	C7	3852	C -33 4771
29	9.3	8.1W	14 43.935	-0.0013	09	-38 38 36.11	0.002	09	0.22	43.953	15	36.3	36.14	21	36.3	K0 L	C8	3598	C -38 4242
30		7.9T	14 48.493	-0.0006	12	-36 29 1.98	-0.027	12	0.67	48.522	19	99.5	0.58	19	98.0	K2	GC	11288	C -36 4414
31	9.0	9.2W	14 52.302	-0.0009	13	-39 46 24.69	-0.018	13	0.26	52.314	15	36.3	24.44	21	36.3	A2	C8	3600	C -39 4174
32	9.1	9.4W	14 54.845	-0.0013	09	-36 46 50.07	-0.017	09	0.22	54.863	15	36.3	49.84	21	36.3	B9	C8	3601	C -36 4418
33	9.0	8.6W	15 0.010	-0.0028	21	-34 42 14.05	-0.005	21	0.42	0.058	22	32.7	13.96	21	32.7	F8	C7	3853	C -34 4568
34	7.9	7.9W	15 5.556	-0.0041	21	-32 51 6.50	0.020	21	0.42	5.627	22	32.7	6.84	21	32.7	A2	C7	3854	C -32 5076
35	9.5	8.5W	15 7.238	-0.0015	21	-30 37 32.67	0.037	21	0.42	7.265	22	32.7	33.31	21	32.7	K0	C7	3855	C -30 5975
36	7.4	7.6W	15 10.404	-0.0037	21	-34 20 29.55	0.018	21	0.42	10.467	22	32.7	29.85	21	32.7	A0	C7	3856	C -34 4573
37	9.4	8.5W	15 16.701	-0.0014	21	-30 33 26.55	-0.014	21	0.42	16.725	22	32.7	26.31	21	32.7	K0	C7	3857	C -30 5981
38		9.3R	15 16.761	-0.0014	17	-30 25 36.32	-0.020	17	0.32	16.784	16	33.1	35.98	16	33.1	K0 M	13B	4954	J -30 5979
39	10.8	9.0W	15 17.204	-0.0031	21	-33 49 10.17	0.034	21	0.42	17.258	22	32.7	10.75	21	32.7		C7	3858	C -33 4785
40	8.4	8.8W	15 17.721	-0.0031	13	-36 57 25.84	-0.007	13	0.26	17.763	15	36.3	25.74	21	36.3	A0	C8	3603	C -36 4423
41	9.7	9.4W	15 18.313	-0.0012	21	-30 54 49.13	-0.030	21	0.42	18.335	22	32.7	48.61	21	32.7	F8	C7	3859	C -30 5983
42	8.8	8.5W	15 20.573	0.0031	06	-35 20 39.16	-0.104	06	0.20	20.531	15	36.3	37.74	21	36.3	F8	C8	3604	C -35 4428
43	9.2	8.7W	15 23.670	0.0007	21	-33 30 13.04	-0.080	21	0.42	23.657	22	32.7	11.65	21	32.7		C7	3860	C -33 4789
44	8.3	8.4W	15 24.084	-0.0021	18	-38 59 31.97	0.005	18	0.31	24.113	15	36.3	32.04	21	36.3	A0	C8	3605	C -38 4258
45	8.9	9.0W	15 25.344	-0.0012	21	-31 51 55.45	0.039	21	0.42	25.365	22	32.7	56.12	21	32.7	A2	C7	3861	C -31 5825
46	9.9	10.3W	15 28.286	-0.0027	18	-37 44 43.47	0.005	18	0.31	28.322	15	36.3	43.54	21	36.3	A0 L	C8	3607	C -37 4502
47		7.0T	15 30.311	-0.0016	13	-32 42 49.68	0.037	12	0.65	30.392	18	00.2	51.61	17	98.5	A2	GC	11312	C -32 5087
48	9.6	8.5W	15 35.762	-0.0005	21	-35 0 52.47	0.021	21	0.42	35.770	22	32.7	52.84	21	32.7	K	C7	3863	C -34 4583
49	8.5	8.5W	15 51.332	-0.0015	21	-34 10 48.76	0.029	21	0.42	51.357	22	32.7	49.25	21	32.7	A0	C7	3864	C -33 4800
50	8.5	8.8W	15 52.381	-0.0023	13	-38 56 47.60	0.003	13	0.26	52.413	15	36.3	47.64	21	36.3	B8	C8	3608	C -38 4265
51		6.5T	8 15 52.566	0.0000	17	-35 54 38.86	0.033	17	0.83	52.564	21	02.0	40.42	21	03.0	K5	GC	11321	C -35 4441
52	8.3	8.7W	15 53.384	-0.0017	21	-30 18 2.35	0.013	21	0.42	53.413	22	32.7	2.58	21	32.7	B9	C7	3865	C -30 6001
53	8.6	9.0W	16 5.743	-0.0035	21	-31 58 53.85	0.032	21	0.43	5.805	22	32.2	54.42	21	32.2	B8	C7	3866	C -31 5844
54	10.0	8.7W	16 9.314	-0.0011	21	-30 10 12.05	0.024	21	0.43	9.333	22	32.2	12.49	21	32.2	K5	C7	3867	C -29 5904
55	9.0	9.3W	16 9.814	-0.0036	23	-36 44 11.51	0.002	23	0.37	9.863	15	36.3	11.54	21	36.3	A0	C8	3611	C -36 4441
56	8.8	8.8W	16 10.797	-0.0041	13	-38 40 23.10	0.003	13	0.26	10.853	15	36.3	23.14	21	36.3	F0	C8	3612	C -38 4272
57	9.8	9.0W	16 13.103	0.0004	21	-30 34 45.05	0.003	21	0.43	13.095	22	32.2	45.11	21	32.2		C7	3868	C -30 6008
58		8.3T	16 19.414	-0.0014	18	-37 19 12.93	-0.027	18	0.86	19.478	22	04.3	11.71	22	04.5	B9	GC	11334	C -37 4523
59		6.5T	16 21.025	-0.0024	12	-37 13 3.07	0.016	12	0.64	21.148	18	98.8	3.92	21	97.1	A0	GC	11336K	C*-36 4443
60	9.6	9.4W	16 21.906	-0.0012	21	-33 13 27.25	0.146	21	0.43	21.927	22	32.2	29.84	21	32.2	G5 L	C7	3869	C -32 5111
61		5.7T	16 22.789	0.0010	07	-35 17 40.76	-0.001	06	0.31	22.749	12	08.3	40.72	12	04.2	K2	GC	11337	C -35 4452
62	9.6	9.4W	16 26.238	-0.0004	21	-30 56 32.60	0.006	21	0.43	26.245	22	32.2	32.71	21	32.2	F5	C7	3870	C -30 6017
63	8.7	9.1W	16 28.504	0.0015	13	-37 47 7.20	0.025	13	0.26	28.482	15	36.3	7.54	21	36.3	B8	C8	3616	C -37 4526
64	9.6	8.9W	16 31.036	-0.0018	21	-33 59 49.38	0.021	21	0.43	31.067	22	32.2	49.75	21	32.2	K0 L	C7	3871	C -33 4819
65	9.3	8.5W	16 32.144	-0.0041	21	-33 20 54.39	0.003	21	0.43	32.217	22	32.2	54.44	21	32.2	G5 L	C7	3872	C -33 4821
66	9.8	9.1W	16 33.297	0.0018	09	-36 27 26.73	0.045	09	0.22	33.272	15	36.3	27.34	21	36.3	K0 L	C8	3617	C -36 4447
67	9.2	8.5W	16 35.842	-0.0024	21	-32 16 7.15	0.032	21	0.43	35.885	22	32.2	7.72	21	32.2	G5	C7	3873	C -32 5115
68	8.2	8.5W	16 37.393	-0.0006	06	-35 21 43.13	-0.028	06	0.20	37.401	15	36.3	42.74	21	36.3	A0	C8	3618	C -35 4460
69	9.0	9.3W	16 38.988	-0.0033	18	-37 36 4.88	0.012	18	0.31	39.032	15	36.3	5.04	21	36.3	B9	C8	3619	C -37 4530
70		4.4H	16 40.940	-0.0093	02	-36 30 12.25	0.093	02	0.09	41.272	05	14.3	15.71	04	12.8	A5	F4	313	C -36 4449
71	8.5	8.8W	16 45.611	0.0006	13	-38 36 10.93	0.015	13	0.26	45.603	15	36.3	11.14	21	36.3	B8	C8	3621	C -38 4284
72	7.9	8.0W	16 50.099	-0.0003	18	-38 32 12.77	-0.009	18	0.31	50.103	15	36.3	12.65	21	36.3	A2	C8	3622	C -38 4285
73	8.9	8.9W	16 57.792	-0.0048	21	-33 52 26.99	-0.013	21	0.43	57.878	22	32.2	26.75	21	32.2	A2	C7	3874	C -33 4830
74		6.9T	17 8.163	0.0001	13	-38 55 16.17	0.000	12	0.67	8.158	18	99.8	16.17	19	96.6	A0	GC	11350	C*-38 4294
75	9.2	9.2W	17 10.226	-0.0019	13	-35 59 16.54	-0.007	13	0.26	10.252	15	36.3	16.44	21	36.3		C8	3624	C -35 4471
76	7.6	8.0W	17 11.095	-0.0035	21	-32 56 52.25	0.011	21	0.43	11.157	22	32.2	52.44	21	32.2	B5	C7	3875	C -32 5133
77	8.0	8.2W	17 17.622	-0.0030	13	-38 1 10.52	0.016	13	0.26	17.662	15	36.3	10.74	21	36.3	A0	C8	3625	C -37 4546
78	8.4	8.8W	17 22.945	-0.0029	21	-32 51 57.45	0.022	21	0.43	22.997	22	32.2	57.84	21	32.2	A2	C7	3876	C -32 5138
79	9.6	8.7W	17 27.565	-0.0028	09	-37 0 42.28	-0.025	09	0.22	27.603	15	36.3	41.94	21	36.3	K0 L	C8	3626	C -36 4468
80	9.4	8.0W	17 28.267	-0.0034	21	-33 34 45.33	-0.021	21	0.43	28.327	22	32.2	44.95	21	32.2	K5	C7	3877	C -33 4843
81	8.0	8.2W	17 29.245	-0.0046	21	-33 12 30.36	-0.012	21	0.43	29.327	22	32.2	30.14	21	32.2	A2	C7	3878	C -32 5139
82	10.3	9.5W	17 29.762	-0.0001	21	-30 41 1.50	0.017	21	0.43	29.765	22	32.2	1.81	21	32.2	K0 L	C7	3879	C -30 6046
83	8.7	8.9W	17 32.362	-0.0030	21	-31 58 44.24	0.016	21	0.43	32.415	22	32.2	44.52	21	32.2	A0	C7	3880	C -31 5881
84		6.4T	17 33.561	-0.0019	13	-34 25 55.50	-0.003	12	0.66	33.657	18	00.0	55.36	18	98.0	B9	GC	11362	C -34 4627
85	9.7	9.5W	17 35.288	0.0019	18	-35 56 21.53	-0.087	18	0.31	35.262	15	36.3	20.34	21	36.3	G0 L	C8	3627	C -35 4477
86	8.6	8.8W	17 38.209	-0.0065	21	-31 39 54.52	-0.011	21	0.43	38.325	22	32.2	54.32	21	32.2	B8	C7	3882	C -31 5883
87	8.1	8.6W	17 39.393	0.0011	21	-30 1 30.22	0.066	21	0.43	39.373	22	32.2	31.39	21	32.2	B5 L	C7	3883	C -29 5957
88	8.8	9.0W	17 48.256	-0.0034	21	-33 26 33.85	0.011	21	0.43	48.317	22	32.2	34.04	21	32.2	A0	C7	3884	C -33 4854
89	7.9	8.2W	17 49.525	-0.0026	13	-35 9 29.10	-0.012	13	0.26	49.561	15	36.3	28.94	21	36.3	A0	C8	3628	C -34 4632
90		6.9T	17 53.598	-0.0014	12	-37 15 33.61	-0.001	12	0.63	53.668	19	00.1	33.57	18	98.8	F0	GC	11369	C*-37 4555
91		8.5T	18 0.922	-0.0038	17	-37 2 43.77	-0.026	18	0.82	1.094	21	04.8	42.62	21	05.4	B8	GC	11372	C -36 4479
92	10.3	9.3W	18 2.504	0.0045	21	-30 36 58.66	0.053	21	0.43	2.425	22	32.2	59.61	21	32.2	K0 L	C7	3885	C -30 6062
93		7.1T	18 4.074	-0.0033	12	-30 56 20.26	-0.005	12	0.66	4.242	18	98.6	19.98	18	96.4	K0	GC	11373	C -30 6064
94	7.4	7.7W	18 5.368	-0.0018	13	-36 27 10.60	-0.041	13	0.26	5.392	15	36.3	10.04	21	36.3	A0	C8	3631	C -36 4481
95	10.1	8.9W	18 13.815	-0.0033	21	-30 29 0.11	0.004	21	0.43	13.873	22	32.2	0.19	21	32.2	K2 L	C7	3887	C -30 6070
96	10.8	9.9W	18 17.635	-0.0017	21	-31 19 53.46	0.025	21	0.43	17.665	22	32.2	53.91	21	32.2		C7	3888	C -31 5913
97	9.3	9.5W	18 19.267	-0.0074	21	-34 36 35.81	-0.036	21	0.43	19.398	22	32.2	35.16	21	32.2	A5 L	C7	3889	C -34 4644
98	8.5	8.8W	18 20.953	-0.0018	21	-31 50 27.38	0.036	21	0.43	20.985	22	32.2	28.02	21	32.2	B9	C7	3890	C -31 5915
99	9.6	9.4W	18 23.943	-0.0095	09	-36 58 38.57	0.115	09	0.22	24.073	15	36.3	40.14	21	36.3	F8 L	C8	3632	C -36 4490
00	9.9	8.3W	18 26.292	-0.0020	21	-33 37 0.30	0.031	21	0.43	26.327	22	32.2	0.85	21	32.2	K5 L	C7	3891	C -33 4867

199100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 8H DM NUMBER
1	8.9	8.6W	8 18 27.329	-0.0033	21	-34 17 45.70	-0.042	21	0.43	27.387	22	32.2	44.95	21	32.2	G		C7	3892	C -34 4646
2	9.4	9.9W	18 28.878	-0.0017	18	-35 11 56.35	-0.008	18	0.31	28.901	15	36.3	56.24	21	36.3	A0	L	C8	3633	C -34 4648
3		9.3R	18 29.860	0.0011	20	-30 5 18.44	-0.047	20	0.37	29.841	16	33.1	17.65	16	33.1	G0	M	13B	5017	J -29 5982
4	10.3	9.4W	18 42.980	-0.0020	21	-31 29 47.69	0.012	21	0.43	43.015	22	32.2	47.91	21	32.2	K0	L	C7	3893	C -31 5923
5	9.7	9.3W	18 47.162	-0.0030	21	-31 33 22.96	-0.003	21	0.43	47.215	22	32.2	22.92	21	32.2	G5	L	C7	3894	C -31 5924
6	8.7	7.9W	18 53.309	-0.0038	21	-32 38 6.72	0.013	21	0.43	53.377	22	32.2	6.94	21	32.2	K0		C7	3895	C -32 5173
7	9.4	9.3W	18 55.970	-0.0024	18	-36 58 49.59	-0.018	18	0.31	56.003	15	36.3	49.35	21	36.3	A0		C8	3634	C -36 4333
8	9.1	9.3W	18 59.389	-0.0010	08	-37 3 37.63	0.001	08	0.21	59.403	15	36.3	37.65	21	36.3	A0		C8	3635	C -36 4504
9	9.7	9.8W	19 2.232	-0.0007	18	-37 59 13.59	0.011	18	0.31	2.242	15	36.3	13.75	21	36.3	A8	L	C8	3636	C -37 4576
10	9.7	8.9W	19 4.928	-0.0047	13	-35 37 38.05	-0.023	13	0.26	4.992	15	36.3	37.74	21	36.3	K0	L	C8	3637	C -35 4503
11	9.7	8.9W	19 4.967	-0.0015	21	-30 25 26.43	0.015	21	0.43	4.993	22	32.2	26.69	21	32.2	K5		C7	3896	C -30 6094
12	8.4	8.8W	19 6.313	-0.0014	07	-36 26 24.11	-0.005	07	0.21	6.332	15	36.3	24.04	21	36.3	B9		C8	3638	C -36 4506
13	7.6	8.0W	19 11.625	-0.0047	21	-34 44 3.67	0.010	21	0.43	11.708	22	32.2	3.86	21	32.2	B9		C7	3897	C -34 4668
14	10.8	9.4W	19 18.356	-0.0020	23	-36 38 58.03	-0.021	23	0.37	18.383	15	36.3	57.74	21	36.3	K5	L	C8	3639	C -36 4509
15	9.4	9.6W	19 20.119	0.0004	13	-37 59 22.27	0.012	13	0.26	20.112	15	36.3	22.44	21	36.3	A0		C8	3640	C -37 4581
16		9.2R	19 21.741	-0.0019	20	-30 16 53.96	0.032	20	0.37	21.773	16	33.1	54.50	16	33.1	B9	J	13B	5028	J -30 6102
17	8.9	9.2W	19 23.843	-0.0051	13	-36 40 55.12	0.001	13	0.26	23.913	15	36.3	55.14	21	36.3	B9		C8	3641	C -36 4511
18		4.9H	19 24.794	-0.0011	02	-32 53 39.54	0.005	02	0.09	24.832	06	16.7	39.69	05	17.5	K0		F4	1219	C -32 5185
19		5.2T	19 27.626	-0.0009	06	-36 19 27.42	-0.006	06	0.28	27.662	12	08.5	27.16	12	06.1	B3		GC	11402K	C#-36 4513
20	9.0	9.0W	19 28.977	-0.0006	21	-34 18 43.93	-0.004	21	0.43	28.987	22	32.2	43.85	21	32.2	A3		C7	3899	C -34 4674
21		9.3R	19 31.881	-0.0015	17	-30 2 59.95	0.017	17	0.32	31.856	16	33.1	+ 0.23	16	33.1	M	M	13B	5032	J -29 6013
22	9.9	8.3W	19 33.487	-0.0011	09	-36 17 10.91	0.002	09	0.22	33.502	15	36.3	10.95	21	36.3	K5	L	C8	3643	C -36 4514
23		6.2T	19 35.509	0.0002	07	-39 27 38.40	-0.006	06	0.29	35.501	10	07.9	38.14	12	06.2	A5		GC	11405	C -39 4245
24	9.7	8.8W	19 37.824	-0.0051	21	-32 11 8.52	0.034	21	0.43	37.915	22	32.2	9.12	21	32.2			C7	3900	C -31 5943
25	9.3	9.5W	19 40.486	0.0028	21	-31 13 38.68	0.091	21	0.43	40.435	22	32.2	40.31	21	32.2	A2		C7	3901	C -30 6112
26		7.2T	19 40.513	-0.0177	15	-39 32 52.94	0.244	10	0.66	41.357	18	02.4	+ 5.83	19	97.2	G5		GC	11411	C -39 4247
27	9.4	8.8W	19 41.254	-0.0021	13	-35 48 41.42	-0.013	13	0.26	41.282	15	36.3	41.25	21	36.3	G5		C8	3647	C -35 4516
28	9.3	9.7W	19 43.563	-0.0043	13	-35 39 9.33	-0.014	13	0.26	43.622	15	36.3	9.14	21	36.3	A0		C8	3648	C -35 4517
29	9.3	8.3W	19 51.036	-0.0004	13	-38 2 22.09	-0.040	13	0.26	51.042	15	36.3	21.54	21	36.3	K2		C8	3649	C -37 4599
30	8.2	8.7W	19 52.089	-0.0026	21	-31 53 2.60	-0.010	21	0.43	52.135	22	32.2	2.42	21	32.2	B8		C7	3902	C -31 5949
31	9.7	8.9W	19 56.248	-0.0007	21	-35 0 18.66	-0.007	21	0.43	56.260	22	32.2	18.54	21	32.2	G5	L	C7	3903	C -34 4688
32	10.2	9.4W	19 59.897	-0.0025	18	-37 35 53.83	0.008	18	0.31	59.932	15	36.3	53.94	21	36.3	G8	L	C8	3650	C -37 4603
33	8.9	9.2W	20 1.261	0.0003	21	-30 50 2.02	0.033	21	0.43	1.255	22	32.2	2.61	21	32.2	B9		C7	3904	C -30 6124
34	8.1	8.5W	20 6.083	-0.0002	21	-33 11 44.23	0.012	21	0.43	6.087	22	32.2	44.44	21	32.2	A2		C7	3905	C -32 5204
35	10.1		20 13.902	-0.0015	18	-38 34 20.00	-0.012	18	0.31	13.923	15	36.3	19.84	21	36.3	A2	L	C8	3651	C -38 4356
36	9.0	7.9W	20 15.826	-0.0033	21	-31 45 37.43	-0.006	21	0.43	15.885	22	32.2	37.32	21	32.2	K0		C7	3906	C -31 5964
37	9.2	9.5W	20 20.044	-0.0024	21	-33 5 30.83	-0.005	21	0.43	20.087	22	32.2	30.74	21	32.2	B9		C7	3907	C -32 5209
38	9.2	9.5W	20 23.198	-0.0005	13	-36 15 4.02	-0.006	13	0.26	23.202	15	36.3	3.94	21	36.3	B9		C8	3653	C -36 4538
39	8.7	9.0W	20 33.523	0.0015	21	-31 13 44.61	0.050	21	0.43	33.495	22	32.2	45.51	21	32.2	A0		C7	3908	C -30 6144
40	9.9	9.3W	20 34.373	-0.0006	21	-30 16 8.19	0.033	21	0.43	34.383	22	32.2	8.78	21	32.2	K0	L	C7	3909	C -30 6141
41	10.6	9.2W	20 34.495	0.0021	21	-33 44 57.67	0.027	21	0.43	34.457	22	32.2	58.15	21	32.2			C7	3910	C -33 4921
42	8.2	8.5W	20 35.705	-0.0013	21	-33 45 44.54	0.012	21	0.43	35.728	22	32.2	44.75	21	32.2	A0		C7	3911	C -33 4922
43		9.2R	20 35.990	-0.0020	20	-30 32 13.72	0.035	20	0.37	36.023	16	33.1	14.31	16	33.1	A0	J	13B	5049	J -30 6145
44	9.7	8.9W	20 36.158	0.0004	13	-37 28 46.02	0.031	13	0.26	36.152	15	36.3	46.44	21	36.3	K5		C8	3654	C -37 4612
45	8.5	8.9W	20 43.489	0.0002	21	-31 32 20.52	0.034	21	0.43	43.485	22	32.2	21.12	21	32.2	B8		C7	3912	C -31 5975
46	9.2	9.4W	20 44.321	-0.0009	10	-39 18 43.20	-0.012	10	0.23	44.333	15	36.3	43.04	21	36.3	B9		C8	3656	C -39 4264
47	8.7	9.0W	20 44.509	-0.0002	13	-37 38 37.59	0.004	13	0.26	44.512	15	36.3	37.64	21	36.3	B9		C8	3657	C -37 4619
48		7.0T	20 45.379	-0.0010	08	-31 26 47.26	-0.019	07	0.38	45.422	14	05.2	46.37	14	03.3	B8		GC	11446	C#-31 5976
49	9.3	8.4W	20 48.349	-0.0022	21	-34 9 54.13	0.035	21	0.43	48.387	22	32.2	54.75	21	32.2	K0		C7	3914	C -33 4925
50	9.2	9.3W	20 50.955	-0.0012	10	-38 8 34.94	-0.029	10	0.23	50.972	15	36.3	34.54	21	36.3	A2		C8	3658	C -37 4626
51	9.1	9.1W	8 20 53.426	-0.0020	13	-39 39 38.65	-0.001	13	0.26	53.454	15	36.3	38.65	21	36.3	A3		C8	3659	C -39 4265
52	8.7	8.9W	20 55.442	0.0014	13	-38 43 57.83	-0.014	13	0.26	55.423	15	36.3	57.64	21	36.3	B8		C8	3660	C -38 4370
53		8.5W	20 58.298	0.0007	21	-31 16 43.66	-0.070	21	0.43	58.285	22	32.2	44.91	21	32.2	B9		C7	3915	C#-31 5979
54	9.5	8.6W	21 0.094	-0.0028	13	-36 38 14.06	-0.053	13	0.26	0.132	15	36.3	13.34	21	36.3	K0	L	C8	3661	C -35 4545
55	10.3		21 3.012	-0.0045	18	-37 58 38.41	0.002	18	0.31	3.072	15	36.3	38.45	21	36.3	A0	L	C8	3662	C -37 4629
56	8.4	8.2W	21 3.158	-0.0019	13	-39 44 0.81	-0.056	13	0.26	3.184	15	36.3	0.04	21	36.3	F5		C8	3663	C -39 4268
57	9.8	8.6W	21 4.042	-0.0037	21	-33 41 51.86	-0.017	21	0.43	4.107	22	32.2	51.55	21	32.2			C7	3916	C -33 4934
58	8.6	8.4W	21 7.940	-0.0033	21	-34 47 53.45	0.129	21	0.43	7.998	22	32.2	55.76	21	32.2	F8		C7	3917	C -34 4718
59	9.2	8.0W	21 8.716	-0.0001	21	-34 4 13.73	0.041	21	0.43	8.718	22	32.2	14.45	21	32.2	K2		C7	3918	C -33 4935
60	9.6	9.0W	21 10.418	-0.0049	21	-32 15 31.18	0.053	21	0.43	10.505	22	32.2	32.12	21	32.2	G5	L	C7	3919	C -32 5227
61	10.1	9.0W	21 10.868	-0.0025	13	-36 29 44.18	-0.025	13	0.26	10.902	15	36.3	43.84	21	36.3	G8	L	C8	3664	C -36 4555
62	8.6	8.7W	21 12.698	0.0019	10	-38 5 2.35	-0.001	10	0.23	12.672	15	36.3	2.35	21	36.3	B8		C8	3665	C -37 4633
63	9.9	8.3W	21 14.782	-0.0030	13	-36 57 49.44	-0.044	13	0.26	14.823	15	36.3	48.84	21	36.3	K5	L	C8	3666	C -36 4560
64	7.8	7.9W	21 21.393	-0.0012	21	-32 9 57.04	0.005	21	0.43	21.415	22	32.2	57.12	21	32.2	A2		C7	3920	C -31 5990
65	8.7	9.0W	21 21.684	-0.0011	21	-30 7 24.91	0.015	21	0.43	21.703	22	32.2	25.18	21	32.2	B8		C7	3921	C -29 6070
66		6.3T	21 26.076	0.0018	11	-38 7 25.91	-0.005	09	0.61	25.978	19	95.2	25.63	18	91.3	M0		GC	11460	C -37 4638
67	9.4	9.1W	21 28.147	-0.0006	21	-33 32 40.16	0.056	21	0.43	28.157	22	32.2	41.15	21	32.2	F8	L	C7	3922	C -33 4941
68		7.0T	21 29.206	-0.0030	18	-30 38 20.43	-0.014	18	0.88	29.344	22	03.5	21.08	22	03.1	K2		GC	11462	C -30 6167
69	8.9	8.8W	21 34.529	0.0018	13	-39 50 15.30	0.025	13	0.26	34.504	15	36.3	15.64	21	36.3	F5		C8	3668	C -39 4279
70		9.3R	21 39.102	0.0046	20	-30 16 9.40	-0.011	20	0.37	39.024	16	33.1	9.22	16	33.1			13B	5066	J -30 6170
71		7.2T	21 39.881	-0.0034	12	-30 13 47.89	0.004	11	0.62	40.054	18	98.8	48.11	18	95.6	A0		GC	11467	C -29 6079
72	8.5	8.5W	21 42.495	-0.0039	21	-32 25 55.86	0.026	21	0.43	42.565	22	32.2	56.32	21	32.2	A2		C7	3925	C -32 5236
73	7.7	8.2W	21 46.611	-0.0015	18	-38 17 18.10	-0.019	18	0.31	46.632	15	36.3	17.84	21	36.3	B8		C8	3669	C -38 4389
74		9.3R	21 52.594	0.0037	20	-30 33 22.82	-0.126	20	0.37	52.532	16	33.1	20.70	16	33.1	B8	M	13B	5074	J -30 6177
75	10.0	9.1W	21 57.282	-0.0022	13	-35 52 53.30	-0.026	13	0.26	57.312	15	36.3	52.94	21	36.3	K0	L	C8	3670	C -35 4567
76		7.0T	22 0.103	-0.0015	12	-32 44 4.28	-0.010	12	0.65	0.179	15	00.5	3.80	18	99.3	B3		GC	11477	C -32 5245
77	9.4	8.5W	22 3.179	-0.0055	21	-33 8 26.00	0.025	21	0.43	3.277	22	32.2	26.44	21	32.2	K2		C7	3927	C -32 5246
78	7.0	7.5W	22 7.442	-0.0015	13	-36 33 13.03	-0.021	13	0.26	7.463	15	36.3	12.74	21	36.3	B9		C8	3671	C -36 4578
79	7.3	7.4W	22 13.862	-0.0014	13	-35 20 47.08	-0.025	13	0.26	13.881	15	36.3	46.74	21	36.3	A2		C8	3672	C -35 4570
80	8.7	8.9W	22 14.197	0.0002	13	-39 37 17.84	-0.044	13	0.26	14.195	15	36.3	17.24	21	36.3	A0		C8	3673	C -39 4289
81	8.3	8.5W	22 17.249	0.0004	13	-39 53 23.23	0.023	13	0.26	17.244	15	36.3	23.54	21	36.3	B9		C8	3674	C -39 4291
82	9.0	9.3W	22 18.326	-0.0023	21	-33 18 57.52	-0.021	21	0.43	18.367	22	32.2	57.14	21	32.2	A0		C7	3928	C -33 4962
83	10.5	9.8W	22 19.334	-0.0040	21	-31 59 5.57	0.121	21	0.43	19.405	22	32.2	7.72	21	32.2			C7	3929	C -31 6012
84	10.5		22 26.186	-0.0027	18	-38 1 5.52	-0.013	18	0.31	26.222	15	36.3	5.34	21	36.3			C8	3675	C -37 4658
85		9.2R	22 27.511	-0.0061	20	-30 29 33.00	0.018	20	0.37	27.614	16	33.1	33.30	16	33.1	F8	M	13B	5084	J -30 6203
86		9.4R	22 29.886	0.0045	20	-30 29 40.25	0.059	20	0.37	29.777	16	33.1	41.24	16	33.1	G0	M	13B	5085	J -30 6204
87	9.9	8.6W	22 40.009	-0.0015	21	-31 28 51.06	-0.020	21	0.43	40.035	22	32.2	50.71	21	32.2			C7	3930	C -31 6020
88	9.3	8.0W	22 41.072	-0.0042	21	-32 45 38.44	-0.022	21	0.43	41.147	22	32.2	38.04	21	32.2	K5		C7	3931	C -32 5259
89	9.3	9.5W	22 43.883	-0.0044	18	-38 36 55.10	-0.012	18	0.31	43.943	15	36.3	54.95	21	36.3	A0		C8	3676	C -38 4420
90	8.7	9.0W	22 47.342	0.0032	21	-31 34 58.92	0.051	21	0.43	47.285	22	32.2	59.82	21	32.2	A0		C7	3932	C -31 6021
91	9.4	9.7W	22 47.948	0.0002	21	-31 33 19.72	0.023	21	0.43	47.945	22	32.2	20.12	21	32.2			C7	3933	C -31 6022
92	9.2	9.0W	22 52.892	-0.0059	21	-33 24 41.05	-0.000	21	0.43	52.997	22	32.2	41.04	21	32.2	F5		C7	3934	C -33 4978
93	8.8	9.0W	22 55.408	0.0019	21	-30 56 34.52	0.005	21	0.43	55.375	22	32.2	34.61	21	32.2	A2		C7	3935	C -30 6215
94	9.2	9.4W	22 55.560	-0.0002	13	-36 52 4.06	0.006	13	0.26	55.563	15	36.3	4.14	21	36.3	B9		C8	3677	C -36 4597
95	9.2	8.7W	22 58.057	0.0048	08	-35 26 42.55	-0.103	08	0.21	57.971	15	36.3	41.14	21	36.3	G5		C8	3678	C -35 4586
96	9.7	8.9W	23 1.417	0.0001	21	-31 6 43.85	0.014	21	0.43	1.415	22	32.2	44.11	21	32.2	G5	L	C7	3936	C -30 6219
97	9.0	8.7W	23 5.772	-0.0052	21	-32 26 19.15	-0.035	21	0.43	5.865	22	32.2	18.52	21	32.2	F8		C7	3937	C -32 5268
98		6.7T	23 10.672	-0.0011	13	-31 46 36.27	-0.008	13	0.70	10.730	17	99.1	35.84	19	98.9	B9		GC	11500	C -31 6030
99	8.7	9.0W	23 15.819	-0.0033	21	-34 14 1.84	0.023	21	0.43	15.877	22	32.2	2.25	21	32.2	A0		C7	3939	C -33 4984
00	8.9	8.6W	23 18.043	-0.0063	21	-32 17 7.55	0.038	21	0.43	18.155	22	32.2	8.22	21	32.2	F5		C7	3940	C -32 5274

199200 — EPOCH 1950 — ORIGINAL EPOCH — -30° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.3	7.9W	8 23 20.793	-0.0025	21	-34 12 9.16	-0.006	21	0.43	20.837	22	32.2	9.05	21	32.2	G5	C7	3941	C -33 4988
2	10.4		23 22.086	-0.0010	18	-35 52 55.74	0.000	18	0.31	22.072	15	36.3	55.74	21	36.3		C8	3680	C -35 4595
3	8.5	8.8W	23 25.380	-0.0002	21	-31 10 5.79	0.040	21	0.43	25.385	22	32.2	6.51	21	32.2	B9	C7	3942	C -30 6228
4		9.0R	23 33.396	-0.0043	20	-30 4 39.00	-0.001	20	0.37	33.468	16	33.1	38.98	16	33.1	F8 M	13B	5104	J -29 6138
5	9.8	8.5W	23 33.718	-0.0040	13	-36 42 16.61	-0.005	13	0.26	33.773	15	36.3	16.54	21	36.3	K5	C8	3681	C -36 4613
6	9.2	9.0W	23 37.370	-0.0009	13	-35 31 45.67	-0.009	13	0.26	37.382	15	36.3	45.55	21	36.3	F	C8	3682	C -35 4600
7	8.8	8.9W	23 38.953	-0.0008	13	-39 42 33.93	0.030	13	0.26	38.964	15	36.3	34.34	21	36.3	A0	C8	3683	C -39 4314
8	8.9	9.2W	23 39.974	-0.0007	13	-39 57 51.55	-0.023	13	0.26	39.984	15	36.3	51.24	21	36.3	B9	C8	3684	C -39 4315
9	9.3	9.7W	23 41.194	-0.0028	21	-30 49 15.52	0.089	21	0.43	41.245	22	32.2	17.11	21	32.2	A0 L	C7	3943	C -30 6235
10	9.5	8.6W	23 43.769	-0.0033	21	-34 6 59.23	0.007	21	0.43	43.827	22	32.2	59.35	21	32.2	K0	C7	3944	C -33 5000
11	9.4	9.3W	23 49.399	0.0002	21	-30 33 52.29	0.051	21	0.43	49.395	22	32.2	53.21	21	32.2	F8 L	C7	3945	C -30 6237
12	8.9	8.7W	23 51.698	-0.0069	08	-37 38 33.34	0.080	08	0.21	51.792	15	36.3	34.45	21	36.3	F0	C8	3685	C -37 4687
13	10.1	9.3W	23 53.926	-0.0019	13	-35 58 51.29	-0.018	13	0.26	53.952	15	36.3	51.04	21	36.3		C8	3686	C -35 4606
14	10.7	8.6W	23 55.117	-0.0011	21	-33 23 58.52	-0.021	21	0.43	55.137	22	32.2	58.14	21	32.2		C7	3946	C -33 5004
15		7.0T	24 0.870	-0.0043	13	-32 0 20.40	0.021	11	0.64	1.087	18	00.1	21.46	17	98.4	F0	GC	11527K	C -31 6049
16		9.1R	24 6.473	-0.0027	20	-30 12 2.21	0.013	20	0.37	6.518	16	33.1	2.43	16	33.1	K0 M	13B	5113	J -29 6157
17	8.0	8.4W	24 9.532	0.0013	09	-39 43 34.70	0.003	09	0.22	9.514	15	36.3	34.74	21	36.3	B9	C8	3687	C -39 4327
18	8.9	7.7W	24 18.827	-0.0028	21	-32 46 55.78	0.026	21	0.43	18.877	22	32.2	56.24	21	32.2	K2	C7	3948	C -32 5296
19	8.8	8.9W	24 23.663	0.0005	21	-30 12 36.21	0.032	21	0.43	23.653	22	32.2	36.78	21	32.2	F2	C7	3949	C -29 6162
20	9.1	9.2W	24 23.800	0.0006	09	-36 18 48.20	-0.019	09	0.22	23.792	15	36.3	47.94	21	36.3	F0	C8	3689	C -36 4631
21	8.1	8.6W	24 27.222	0.0007	13	-38 46 20.71	-0.005	13	0.26	27.213	15	36.3	20.64	21	36.3	B8	C8	3690	C -38 4463
22		6.7T	24 27.447	-0.0020	13	-38 53 59.11	-0.011	12	0.65	27.546	18	00.8	58.56	18	99.8	A0	GC	11541K	C*-38 4462
23		9.1R	24 27.721	-0.0033	20	-30 30 13.85	0.017	20	0.37	27.776	16	33.1	14.14	16	33.1	G5 M	13B	5121	J -30 6257
24		7.3T	24 28.064	-0.0015	14	-38 53 43.30	0.003	12	0.69	28.137	22	01.8	43.45	18	00.2	A0	GC	11542K	C -38 4462
25	9.3	7.7W	24 32.742	-0.0031	21	-33 2 53.14	0.017	21	0.43	32.797	22	32.2	53.44	21	32.2	K5	C7	3950	C*-32 5301
26	9.2	9.0W	24 34.625	-0.0022	21	-30 53 27.31	0.022	21	0.43	34.665	22	32.2	27.71	21	32.2	F5 L	C7	3951	C -30 6263
27	8.5	8.9W	24 34.731	0.0002	21	-34 28 53.86	-0.006	21	0.43	34.727	22	32.2	53.75	21	32.2	A0	C7	3952	C -34 4814
28	10.2	9.0W	24 37.463	-0.0006	21	-30 7 54.01	0.043	21	0.43	37.473	22	32.2	54.79	21	32.2	K5 L	C7	3953	C -29 6176
29	10.1	9.4W	24 44.098	-0.0018	18	-39 6 29.24	-0.022	18	0.31	44.123	15	36.3	28.94	21	36.3	K0 L	C8	3693	C -38 4467
30	9.5	9.2W	24 44.469	-0.0048	21	-32 4 44.18	-0.003	21	0.43	44.555	22	32.2	44.12	21	32.2	G0 L	C7	3954	C -31 6065
31	10.9	9.6W	24 44.654	-0.0028	21	-31 10 50.16	0.036	21	0.43	44.705	22	32.2	50.81	21	32.2		C7	3955	C*-30 6270
32	9.0	9.3W	24 46.903	-0.0028	13	-35 21 3.84	-0.007	13	0.26	46.941	15	36.3	3.74	21	36.3	A2	C8	3694	C -35 4630
33	8.5	7.7W	24 49.459	-0.0020	21	-31 51 41.38	0.019	21	0.43	49.495	22	32.2	41.72	21	32.2	K0	C7	3956	C -31 6067
34	8.2	7.9W	24 51.984	-0.0030	21	-34 25 54.84	-0.005	21	0.43	52.037	22	32.2	54.75	21	32.2	A2	C7	3957	C -34 4821
35	8.4	7.6W	24 52.324	-0.0030	21	-34 0 33.25	0.023	21	0.43	52.377	22	32.2	33.65	21	32.2	K0	C7	3958	C -33 5023
36	8.1	8.3W	24 52.703	-0.0035	21	-31 18 48.18	-0.010	21	0.43	52.765	22	32.2	48.01	21	32.2	A2	C7	3959	C -31 6069
37	10.3	9.3W	24 57.820	0.0009	21	-30 14 17.79	-0.029	21	0.43	57.803	22	32.2	17.28	21	32.2	K0 L	C7	3960	C -29 6183
38	9.2	7.8W	25 2.690	-0.0017	07	-36 30 55.32	-0.013	07	0.21	2.713	15	36.3	55.14	21	36.3	K5	C8	3695	C -36 4643
39		6.8T	25 4.134	-0.0019	14	-32 1 4.46	-0.006	12	0.71	4.231	19	00.0	4.06	18	97.6	G5	GC	11560	C*-31 6075
40	7.9	8.3W	25 5.182	0.0007	10	-39 14 50.62	-0.013	10	0.23	5.173	15	36.3	50.44	21	36.3	B9	C8	3696	C -39 4343
41	9.4	9.3W	25 10.013	-0.0044	09	-36 30 20.64	0.015	09	0.22	10.073	15	36.3	20.84	21	36.3	A	C8	3697	C -36 4646
42	8.9	7.8W	25 11.579	-0.0024	13	-37 46 39.02	0.038	13	0.26	11.612	15	36.3	39.54	21	36.3	K2	C8	3698	C -37 4711
43		9.0R	25 12.095	0.0002	20	-30 33 3.07	0.009	20	0.37	11.957	16	33.1	3.22	16	33.1	F5 M	13B	5142	J -30 6285
44	9.4	9.0W	25 15.108	-0.0005	21	-33 17 23.98	-0.069	21	0.43	15.117	22	32.2	22.74	21	32.2	G5	C7	3962	C -33 5032
45	9.0	7.4W	25 15.601	-0.0009	07	-36 45 29.02	-0.020	07	0.21	15.612	15	36.3	28.74	21	36.3	K5	C8	3699	C -36 4648
46		6.3T	25 15.777	-0.0016	10	-31 30 24.85	-0.014	09	0.55	15.871	17	93.0	24.00	17	91.0	K0	GC	11569	C -31 6079
47	8.7	8.9W	25 18.173	-0.0021	09	-36 29 17.24	-0.007	09	0.22	18.202	15	36.3	17.14	21	36.3	B3	C8	3700	C -36 4649
48	9.1	7.6W	25 23.981	-0.0021	21	-34 31 52.97	-0.000	21	0.43	24.018	22	32.2	52.96	21	32.2	K5	C7	3964	C -34 4828
49	8.9	8.7W	25 31.583	-0.0023	21	-30 28 24.08	0.056	21	0.43	31.623	22	32.2	25.09	21	32.2	G5	C7	3965	C -30 6289
50	9.0	8.2W	25 37.339	-0.0038	21	-32 31 30.16	-0.012	21	0.43	37.407	22	32.2	29.94	21	32.2	K0	C7	3967	C -32 5320
51		6.9T	8 25 37.343	-0.0001	15	-31 49 39.63	-0.006	13	0.73	37.350	19	00.5	39.29	18	98.0	K2	GC	11578	C -31 6087
52	8.4	8.7W	25 37.404	-0.0014	21	-34 51 41.49	0.010	21	0.43	37.428	22	32.2	41.66	21	32.2	A0	C7	3968	C -34 4832
53	9.0	9.2W	25 37.554	-0.0013	21	-33 6 7.06	-0.023	21	0.43	37.577	22	32.2	6.64	21	32.2	A0	C7	3969	C -32 5321
54	8.7	9.1W	25 41.662	-0.0030	09	-36 30 31.07	-0.039	09	0.22	41.702	15	36.3	30.54	21	36.3	A0	C8	3701	C -36 4654
55	9.3	9.7W	25 42.935	-0.0013	21	-34 21 3.12	-0.009	21	0.43	42.957	22	32.2	2.95	21	32.2	A3 L	C7	3970	C -34 4834
56	9.6	9.0W	25 43.113	0.0015	13	-39 28 17.26	0.006	13	0.26	43.093	15	36.3	17.35	21	36.3	B9	C8	3702	C -39 4355
57	9.5	9.4W	25 43.188	-0.0010	09	-36 13 45.15	-0.008	09	0.22	43.202	15	36.3	45.04	21	36.3	F2 L	C8	3703	C -35 4641
58	8.9	8.0W	25 43.921	-0.0020	21	-33 13 0.11	-0.015	21	0.43	43.957	22	32.2	59.84	21	32.2	K0	C7	3971	C -32 5324
59	9.4	9.3W	25 47.450	-0.0002	21	-30 25 14.51	-0.002	21	0.43	47.453	22	32.2	14.48	21	32.2	F8 L	C7	3972	C -30 6294
60		5.8T	26 3.163	-0.0023	08	-34 56 50.53	-0.001	08	0.38	3.261	12	08.2	50.50	14	07.5	B5	GC	11589K	C*-34 4842
61		10.0Q	26 4.318	-0.0032	18	-34 57 10.03	0.023	22	0.93	4.462	22	05.6	11.05	22	06.0		GC	11590K	C -34 4842
62	9.4	8.6W	26 10.057	-0.0010	21	-32 13 8.31	0.012	21	0.43	10.075	22	32.2	8.52	21	32.2	G5 L	C7	3974	C -31 6103
63	9.5	9.6W	26 13.972	-0.0048	21	-33 47 5.43	-0.004	21	0.43	14.058	22	32.2	5.35	21	32.2	A8 L	C7	3975	C -33 5058
64	8.7	9.1W	26 14.299	-0.0018	10	-39 56 7.87	-0.002	10	0.23	14.325	15	36.3	7.84	21	36.3	B9	C8	3705	C -39 4367
65	8.9	8.4W	26 18.351	-0.0082	09	-36 33 25.53	0.023	09	0.22	18.463	15	36.3	25.84	21	36.3	G5	C8	3706	C -36 4664
66	8.6	8.9W	26 19.767	-0.0019	13	-37 33 48.46	0.013	13	0.26	19.792	15	36.3	48.64	21	36.3	A0	C8	3707	C -37 4736
67	9.9	9.8W	26 22.764	-0.0028	18	-36 16 5.45	0.021	18	0.31	22.802	15	36.3	5.74	21	36.3	G0 L	C8	3708	C -36 4666
68		7.7T	26 23.150	-0.0014	18	-35 0 1.35	0.008	14	0.82	23.204	19	02.6	1.76	19	99.5	K2	GC	11597	C*-34 4848
69	8.9	9.3W	26 27.484	-0.0024	21	-33 27 5.81	-0.009	21	0.43	27.527	22	32.2	5.64	21	32.2	B9	C7	3977	C -33 5062
70	9.3	9.2W	26 27.524	-0.0014	18	-37 53 39.23	0.015	18	0.31	27.542	15	36.3	39.44	21	36.3	F2 L	C8	3709	C -37 4745
71			26 27.552	-0.0037	13	-38 48 19.21	-0.020	13	0.26	27.603	15	36.3	18.94	21	36.3	A3	C8	3710X	C -38 4504
72	9.4	9.6W	26 29.178	-0.0019	10	-39 56 35.90	-0.004	10	0.23	29.204	15	36.3	35.85	21	36.3	A0	C8	3711	C -39 4370
73	8.2	8.4W	26 35.768	-0.0028	21	-33 40 48.55	0.017	21	0.43	35.817	22	32.2	48.85	21	32.2	A2	C7	3978	C -33 5068
74	9.3	9.7W	26 37.190	-0.0039	13	-38 35 18.19	0.011	13	0.26	37.243	15	36.3	18.35	21	36.3	B9	C8	3712	C -38 4510
75	8.5	8.3W	26 41.776	-0.0049	14	-38 55 32.50	0.047	14	0.26	41.843	15	36.3	33.14	21	36.3	F5	C8	3713	C -38 4515
76	7.4	7.7W	26 46.179	-0.0011	21	-34 33 52.56	-0.029	21	0.43	46.198	22	32.2	52.06	21	32.2	B5	C7	3979	C -34 4858
77	8.4	8.6W	26 47.113	-0.0014	06	-36 22 51.41	-0.005	06	0.20	47.132	15	36.3	51.35	21	36.3	A2	C8	3714	C -36 4672
78	9.4	9.9W	26 51.635	-0.0027	11	-35 49 17.49	-0.004	11	0.24	51.672	15	36.3	17.54	21	36.3	A0	C8	3715	C -35 4666
79		8.0T	26 55.544	-0.0009	16	-30 40 56.05	-0.039	13	0.77	55.586	21	01.4	54.02	19	98.1	A0	GC	11613	C -30 6335
80	9.2	9.4W	26 57.035	0.0008	13	-39 53 0.41	0.017	13	0.26	57.024	15	36.3	0.65	21	36.3	A0	C8	3716	C -39 4381
81	9.1	9.0W	27 2.664	-0.0058	21	-33 17 35.95	0.022	21	0.43	2.767	22	32.2	36.34	21	32.2	A0	C7	3981	C -33 5073
82	8.2	8.4W	27 15.328	0.0008	21	-30 12 0.46	-0.027	21	0.43	15.313	22	32.2	59.98	21	32.2	A2	C7	3982	C -29 6236
83	10.4	9.3W	27 16.700	0.0015	21	-30 24 9.95	0.013	21	0.43	16.673	22	32.2	10.19	21	32.2	G5 L	C7	3983	C -30 6344
84	10.7	9.4W	27 25.287	0.0001	21	-32 9 27.63	-0.023	21	0.43	25.285	22	32.2	27.22	21	32.2		C7	3984	C -31 6139
85	7.9	8.2W	27 29.416	-0.0041	21	-34 31 54.18	-0.041	21	0.43	29.488	22	32.2	53.46	21	32.2	A0	C7	3985	C -34 4881
86	8.6	7.5W	27 33.395	0.0004	21	-34 5 38.72	0.002	21	0.43	33.387	22	32.2	38.75	21	32.2	K0	C7	3986	C -33 5084
87	10.3	9.0W	27 34.782	0.0032	21	-31 33 22.79	0.002	21	0.43	34.725	22	32.2	22.82	21	32.2	K0 L	C7	3987	C -31 6142
88	9.9	9.1W	27 37.715	-0.0011	21	-32 10 19.95	0.077	21	0.43	37.735	22	32.2	21.32	21	32.2	G5 L	C7	3988	C -31 6144
89	9.1	9.3W	27 39.518	-0.0033	18	-38 26 52.11	-0.027	18	0.31	39.562	15	36.3	51.74	21	36.3	A0	C8	3717	C -38 4528
90	9.2	9.4W	27 41.037	-0.0018	21	-34 45 45.92	-0.020	21	0.43	41.068	22	32.2	45.56	21	32.2	B8	C7	3989	C -34 4887
91	8.3	8.6W	27 43.579	-0.0009	10	-38 26 16.55	0.007	10	0.23	43.592	15	36.3	16.64	21	36.3	A0	C8	3718	C -38 4533
92	10.0	8.5W	27 44.828	-0.0016	21	-32 34 52.36	-0.012	21	0.43	44.857	22	32.2	52.14	21	32.2	K2 L	C7	3990	C -32 5363
93	7.6	7.9W	27 44.902	-0.0003	21	-33 53 47.39	-0.008	21	0.43	44.907	22	32.2	47.25	21	32.2	A0	C7	3991	C -33 5087
94		8.0T	27 49.133	-0.0017	14	-30 9 25.86	0.009	12	0.71	49.216	21	00.3	26.34	19	97.0	K5	GC	11636	C*-29 6249
95	9.2	9.4W	27 58.213	0.0000	13	-37 22 8.00	0.010	13	0.26	58.212	15	36.3	8.14	21	36.3	A	C8	3719	C -37 4771
96	8.2	8.8W	28 1.986	0.0011	13	-35 22 16.57	-0.039	13	0.26	1.971	15	36.3	16.04	21	36.3	B9	C8	3720	C -35 4690
97	9.4	9.2W	28 3.538	-0.0045	21	-34 22 12.84	-0.016	21	0.43	3.617	22	32.2	12.55	21	32.2	F5 L	C7	3993	C -34 4893
98	9.9	9.7W	28 9.401	-0.0052	13	-35 40 55.16	-0.060	13	0.26	9.472	15	36.3	54.34	21	36.3	F8 L	C8	3721	C -35 4693
99	9.0	7.7W	28 10.263	-0.0019	21	-32 54 19.50	-0.003	21	0.43	10.297	22	32.2	19.44	21	32.2	K2	C7	3995	C -32 5372
00		9.1R	28 12.322	0.0013	20	-30 18 42.81	0.021	20	0.37	12.300	16	33.1	43.16	16	33.1	B8 M	13B	5165	J -30 6367

199300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 8H DM NUMBER
1	9.4	8.8W	8 28 15.630	-0.0038	09	-35 36 51.90	-0.019	09	0.22	15.682	15	36.3	51.64	21	36.3	K0	L	C8	3722	C -35 4695
2	9.8	9.2W	28 15.857	0.0012	21	-30 51 15.28	0.007	21	0.43	15.835	22	32.2	15.41	21	32.2	G2	L	C7	3996	C -30 6368
3	9.4	9.7W	28 16.393	-0.0029	18	-37 9 40.27	0.027	18	0.31	16.433	15	36.3	40.64	21	36.3	A		C8	3723	C -36 4754
4	9.9	9.0W	28 16.636	-0.0016	21	-31 47 0.91	0.012	21	0.43	18.665	22	32.2	1.12	21	32.2	K0	L	C7	3997	C -31 6163
5		9.1R	28 21.026	-0.0044	20	-30 20 36.94	-0.007	20	0.37	21.151	16	33.1	36.82	16	33.1	B9	J	13B	5189	J -30 6371
6	8.5	8.7W	28 22.627	-0.0039	21	-32 34 29.26	0.033	21	0.43	22.697	22	32.2	29.84	21	32.2	A0		C7	3998	C -32 5377
7	10.1	9.0W	28 23.951	-0.0022	13	-35 12 13.55	-0.030	13	0.26	23.981	15	36.3	13.14	21	36.3	K2	L	C8	3724	C -34 4905
8		5.6T	28 28.158	-0.0016	10	-31 59 25.39	-0.008	09	0.40	28.226	12	08.7	25.03	12	07.6	K2		GC	11651	C -31 6165
9		9.2T	28 29.814	0.0010	22	-36 33 6.11	-0.040	18	0.96	29.769	21	04.7	4.25	21	03.4	B9		GC	11654	C -36 4713
10		6.7T	28 35.437	-0.0021	13	-36 33 7.78	0.009	12	0.69	35.541	19	00.5	8.26	19	97.8	K2		GC	11657	C -36 4715
11	7.8	8.2W	28 40.063	-0.0021	13	-36 24 18.99	-0.033	13	0.26	40.092	15	36.3	18.54	21	36.3	B9		C8	3727	C -36 4718
12	9.8	9.2W	28 44.829	-0.0011	21	-34 44 37.55	0.000	21	0.43	44.848	22	32.2	37.56	21	32.2	G5	L	C7	4000	C -34 4911
13		7.2T	28 46.998	-0.0019	12	-30 57 55.22	-0.008	11	0.65	47.097	18	96.8	54.77	17	94.6	B9		GC	11662	C*-30 6385
14		9.0R	28 47.175	-0.0020	20	-30 35 7.49	0.009	20	0.37	47.210	16	33.1	7.64	16	33.1	A5	M	13B	5196	J -30 6384
15		7.0T	28 52.292	-0.0051	16	-33 28 31.61	-0.007	13	0.76	52.543	19	01.1	31.22	19	97.9	F0		GC	11668	C*-33 5117
16	9.3	9.9W	28 56.452	-0.0015	18	-39 6 54.34	0.000	18	0.31	56.473	15	36.3	54.34	21	36.3	A0	L	C8	3728	C -38 4553
17	8.1	8.5W	28 57.106	-0.0034	21	-33 6 37.24	0.023	21	0.43	57.167	22	32.2	37.64	21	32.2	B8		C7	4003	C -32 5389
18	9.2	9.3W	28 57.416	0.0017	21	-30 38 11.76	-0.003	21	0.43	57.385	22	32.2	11.71	21	32.2	A0		C7	4004	C -30 6388
19	8.7	8.6W	29 1.209	-0.0037	21	-31 34 26.18	-0.009	21	0.43	1.275	22	32.2	26.02	21	32.2	F5		C7	4005	C -31 6182
20	9.5	8.6W	29 2.550	-0.0084	21	-35 4 23.20	0.041	21	0.43	2.700	22	32.2	23.94	21	32.2	K5		C7	4006	C -34 4916
21		9.2R	29 6.067	-0.0008	17	-30 28 55.16	-0.048	17	0.32	6.080	16	33.1	54.35	16	33.1	K0	M	13B	5203	J -30 6391
22	9.7	9.8W	29 9.782	-0.0007	21	-31 9 49.04	0.026	21	0.43	9.795	22	32.2	49.51	21	32.2	A2	L	C7	4007	C -30 6393
23	9.1	9.4W	29 10.817	-0.0029	21	-34 33 16.12	-0.066	21	0.43	10.868	22	32.2	14.95	21	32.2	B9		C7	4008	C -34 4919
24		7.1T	29 15.029	-0.0020	11	-38 53 29.16	-0.002	09	0.59	15.139	19	95.5	29.05	19	91.8	B9		GC	11676	C*-38 4561
25	8.3	8.2W	29 15.842	-0.0037	18	-37 23 47.65	0.021	18	0.31	15.892	15	36.3	47.94	21	36.3	A0		C8	3731	C -37 4801
26	9.6	8.4W	29 25.674	-0.0036	21	-33 52 27.23	0.046	21	0.43	25.738	22	32.2	28.05	21	32.2	K0		C7	4009	C -33 5125
27	9.3	9.0W	29 28.489	-0.0061	05	-36 1 50.07	-0.046	05	0.19	28.572	15	36.3	49.44	21	36.3	F8		C8	3732	C -35 4724
28	8.4	7.5W	29 31.236	0.0046	05	-36 31 21.35	-0.081	05	0.19	31.172	15	36.3	20.24	21	36.3	K0		C8	3733	C*-36 4731
29		6.2T	29 33.738	-0.0020	11	-38 53 39.73	0.001	07	0.56	33.850	18	94.5	39.80	18	89.4	B3		GC	11682K	C*-38 4566
30	9.2	9.0W	29 33.755	-0.0035	21	-34 25 11.18	0.004	21	0.43	33.817	22	32.2	11.25	21	32.2	F5		C7	4010	C -34 4927
31	9.9	8.6W	29 39.042	-0.0024	21	-31 40 10.71	-0.027	21	0.43	39.085	22	32.2	10.22	21	32.2	K0	L	C7	4011	C -31 6202
32	8.6	9.1W	29 39.724	-0.0043	21	-35 1 38.49	-0.003	21	0.43	39.800	22	32.2	38.44	21	32.2	B9		C7	4012	C -34 4929
33	10.1	8.8W	29 40.003	-0.0043	13	-36 24 5.04	-0.007	13	0.26	40.062	15	36.3	4.95	21	36.3	K0	L	C8	3735	C -36 4736
34	9.2	9.2W	29 40.331	-0.0007	21	-30 2 2.33	0.025	21	0.43	40.343	22	32.2	2.79	21	32.2	A0		C7	4013	C -29 6307
35	10.5	9.3W	29 43.281	-0.0054	21	-33 14 12.04	0.051	21	0.43	43.377	22	32.2	12.94	21	32.2	K0	L	C7	4014	C -32 5409
36	10.3	9.0W	29 47.881	0.0013	21	-34 17 45.38	-0.007	21	0.43	47.858	22	32.2	45.25	21	32.2	G5	L	C7	4015	C -34 4934
37		9.0R	29 50.185	-0.0024	20	-30 0 36.25	-0.001	20	0.37	50.226	16	33.1	36.25	16	33.1	F5	M	13B	5216	J -29 6314
38	9.0	9.0W	29 57.378	-0.0004	21	-30 52 37.88	0.013	21	0.43	57.385	22	32.2	38.11	21	32.2	A0		C7	4016	C -30 6418
39		7.8T	30 1.890	-0.0022	13	-31 32 26.04	0.029	11	0.66	1.998	18	00.1	27.61	17	96.8	B5		GC	11694	C -31 6209
40		7.2T	30 5.993	-0.0012	11	-38 53 45.71	-0.005	10	0.63	6.057	19	96.2	45.41	19	93.8	B9		GC	11697	C -38 4581
41		7.1T	30 19.496	-0.0016	10	-39 46 57.21	0.008	09	0.42	19.560	17	09.8	57.53	15	08.1	A0		GC	11707	C -39 4452
42	9.0	9.2W	30 20.426	-0.0045	13	-35 33 24.67	-0.031	13	0.26	20.487	15	36.3	24.24	21	36.3	A0		C8	3738	C -35 4748
43	8.3	8.2W	30 23.468	-0.0022	08	-37 44 51.39	-0.040	08	0.21	23.498	15	36.3	50.84	21	36.3	F0		C8	3739	C -37 4826
44	8.4	7.6W	30 29.250	-0.0014	21	-32 3 46.49	-0.010	21	0.43	29.274	22	32.2	46.32	21	32.2	K0		C7	4018	C -31 6221
45	10.0	9.7W	30 39.166	0.0028	13	-36 10 31.50	-0.019	13	0.26	39.127	15	36.3	31.24	21	36.3	G5	L	C8	3740	C -35 4753
46	10.2	9.2W	30 40.068	-0.0020	21	-30 40 39.02	0.038	21	0.43	40.104	22	32.2	39.70	21	32.2	K0	L	C7	4019	C -30 6432
47	8.9	9.2W	30 41.331	-0.0028	10	-39 20 23.17	-0.002	10	0.23	41.369	15	36.3	23.14	21	36.3	B9		C8	3741	C -39 4460
48	8.8	9.0W	30 44.879	-0.0030	13	-39 35 19.96	0.006	13	0.26	44.920	15	36.3	20.04	21	36.3	A0		C8	3743	C -39 4464
49	9.0	8.1W	30 47.919	-0.0009	21	-33 23 16.61	-0.004	21	0.43	47.936	22	32.2	16.53	21	32.2	K0		C7	4020	C -33 5154
50	8.7	8.3W	30 49.642	-0.0034	13	-37 17 54.51	0.002	13	0.26	49.688	15	36.3	54.55	21	36.3	G5		C8	3744	C -37 4837
51	9.1	9.3W	8 30 50.006	-0.0022	21	-32 16 35.36	0.014	21	0.43	50.044	22	32.2	35.62	21	32.2	A0		C7	4021	C -32 5433
52		6.4T	30 54.282	-0.0873	06	-31 20 24.15	0.757	06	0.31	58.377	10	03.1	+ 0.61	10	01.8	G5		GC	11723	C*-31 6229
53		6.2T	31 1.134	-0.0012	10	-34 27 45.53	0.001	11	0.57	1.198	18	98.5	45.60	18	97.3	K0		GC	11729	C -34 4959
54	10.6	9.2W	31 1.728	-0.0015	21	-33 10 29.28	0.003	21	0.43	1.756	22	32.2	29.33	21	32.2	K5	L	C7	4024	C -32 5438
55	8.6	7.9W	31 1.922	-0.0012	18	-38 0 14.59	0.011	18	0.31	1.938	15	36.3	14.74	21	36.3	K0		C8	3745	C -37 4842
56	10.0	8.9W	31 4.393	0.0009	13	-39 46 34.27	-0.017	13	0.26	4.380	15	36.3	34.04	21	36.3	K2		C8	3746	C -39 4474
57	9.6	9.9W	31 4.426	-0.0032	18	-38 36 21.76	0.013	18	0.31	4.469	15	36.3	21.94	21	36.3	A0		C8	3747	C -38 4598
58	8.9	8.9W	31 11.760	-0.0031	21	-31 36 12.91	0.017	21	0.43	11.814	22	32.2	13.22	21	32.2	A0		C7	4025	C -31 6234
59	9.5	8.7W	31 18.569	-0.0032	21	-33 46 45.11	0.013	21	0.43	18.626	22	32.2	45.34	21	32.2	G5	L	C7	4026	C -33 5159
60	9.5	9.8W	31 20.317	-0.0059	13	-35 32 16.36	-0.009	13	0.26	20.397	15	36.3	16.24	21	36.3	A0	L	C8	3749	C -35 4775
61	7.4	7.7W	31 25.664	-0.0017	13	-36 29 21.98	-0.025	13	0.26	25.687	15	36.3	21.64	21	36.3	B8		C8	3750	C -36 4763
62		7.7T	31 26.647	0.0006	18	-34 28 37.56	-0.008	14	0.81	26.620	19	03.0	37.17	19	99.9	B5		GC	11741	C -34 4969
63		6.4T	31 27.710	-0.0006	13	-38 11 57.22	-0.010	12	0.68	27.734	22	99.8	56.67	19	96.3	B3		GC	11742	C*-37 4850
64	10.3	8.9W	31 31.107	0.0020	21	-30 16 18.57	-0.016	21	0.43	31.072	22	32.2	18.28	21	32.2	K0	L	C7	4028	C -30 6460
65	10.7		31 31.652	0.0004	18	-35 10 38.80	0.003	18	0.31	31.646	15	36.3	38.84	21	36.3	F2	L	C8	3752	C -34 4972
66	9.1	7.8W	31 39.507	-0.0001	09	-38 1 55.94	-0.029	09	0.22	39.508	15	36.3	55.54	21	36.3	K5		C8	3753	C -37 4854
67	9.9	9.2W	31 40.071	-0.0024	21	-30 37 45.04	0.048	21	0.43	40.113	22	32.2	45.90	21	32.2	G2	L	C7	4029	C -30 6468
68	8.9	9.2W	31 40.750	-0.0058	13	-39 6 18.67	0.005	13	0.26	40.829	15	36.3	18.74	21	36.3	B9		C8	3754	C -38 4608
69		9.1R	31 44.750	-0.0033	17	-30 6 25.77	-0.012	17	0.32	44.806	16	33.1	25.57	16	33.1	A0	J	13B	5254	J -29 6379
70		6.0T	31 46.864	-0.0035	12	-38 40 36.43	0.003	09	0.60	47.047	21	97.4	36.58	19	91.7	B8		GC	11748	C -38 4610
71	8.5	8.8W	31 54.106	-0.0016	21	-33 19 5.53	-0.050	21	0.43	54.136	22	32.2	4.63	21	32.2	A0		C7	4030	C -33 5179
72	9.3	9.7W	32 1.128	-0.0059	18	-38 12 59.74	0.000	18	0.31	1.208	15	36.3	59.74	21	36.3	A0		C8	3756	C -37 4861
73	9.6	9.4W	32 1.387	-0.0029	13	-35 28 43.69	-0.018	13	0.26	1.427	15	36.3	43.44	21	36.3	F8	L	C8	3757	C -35 4785
74		9.3R	32 2.554	-0.0029	12	-30 7 52.52	-0.033	12	0.26	2.603	16	33.1	51.96	16	33.1	F0	M	13B	5258	J -29 6394
75	9.2	9.2W	32 4.091	-0.0055	13	-35 10 12.93	0.015	13	0.26	4.167	15	36.3	13.14	21	36.3	A8	L	C8	3758	C -34 4985
76	10.2	9.4W	32 6.076	-0.0034	21	-34 54 44.17	0.044	21	0.43	6.137	22	32.2	44.95	21	32.2	G5	L	C7	4031	C -34 4986
77	9.7	10.1W	32 6.343	-0.0006	21	-31 8 0.15	-0.003	21	0.43	6.353	22	32.2	0.10	21	32.2	A0	L	C7	4032	C -30 6476
78	8.8	8.6W	32 6.973	0.0047	13	-38 1 44.74	-0.037	13	0.26	6.908	15	36.3	44.24	21	36.3	F5		C8	3759	C -37 4862
79	8.5	8.7W	32 13.195	-0.0040	13	-38 42 24.53	0.008	13	0.26	13.249	15	36.3	24.65	21	36.3	A0		C8	3761	C -38 4619
80	8.9	9.2W	32 15.009	-0.0023	10	-39 48 55.25	-0.008	10	0.23	15.040	15	36.3	55.14	21	36.3	B9		C8	3762	C -39 4501
81		6.7T	32 17.218	-0.0083	14	-36 44 3.89	0.062	10	0.65	17.620	19	01.5	7.18	18	96.7	F2		GC	11757	C -36 4774
82	9.9	9.5W	32 19.898	-0.0019	21	-30 21 57.55	0.036	21	0.43	19.932	22	32.2	58.18	21	32.2	G0	L	C7	4033	C -30 6483
83		7.0T	32 20.738	0.0016	26	-39 33 25.16	0.027	22	1.08	20.668	22	06.3	26.35	22	05.2	K2		GC	11758	C -39 4502
84		8.0T	32 21.478	0.0002	18	-38 10 46.16	0.036	18	0.86	21.469	24	04.7	47.78	24	04.8	F8		GC	11759	C -37 4867
85	9.4	9.3W	32 28.129	-0.0026	21	-34 10 39.24	0.006	21	0.43	28.176	22	32.2	39.34	21	32.2	F0	L	C7	4034	C -33 5194
86	9.4	8.0W	32 28.433	-0.0007	21	-34 1 13.17	0.021	21	0.43	28.406	22	32.2	13.54	21	32.2	K2		C7	4035	C -33 5195
87	7.9	8.3W	32 29.062	-0.0049	23	-36 31 15.38	-0.047	23	0.37	29.128	15	36.3	14.74	21	36.3	A0		C8	3766	C -36 4777
88		6.4T	32 31.527	-0.0038	13	-32 25 25.78	-0.136	12	0.67	31.713	17	00.7	18.84	18	99.2	G5		GC	11765	C -32 5465
89		6.2T	32 35.795	-0.0011	07	-37 26 18.68	-0.002	07	0.33	35.841	12	07.2	18.58	12	05.2	K5		GC	11766K	C*-37 4873
90	10.0	9.1W	32 35.856	-0.0039	21	-33 14 32.27	-0.013	21	0.43	35.926	22	32.2	32.03	21	32.2	G5	L	C7	4037	C -32 5469
91	8.9	9.0W	32 49.887	-0.0055	21	-32 21 16.94	0.010	21	0.43	49.984	22	32.2	17.12	21	32.2	A0		C7	4038	C -32 5470
92	9.1	7.9W	32 52.923	-0.0033	13	-36 48 34.86	0.035	13	0.26	52.968	15	36.3	35.35	21	36.3	K5		C8	3768	C -36 4783
93	10.1	9.9W	32 54.345	-0.0028	21	-31 52 28.69	-0.010	21	0.43	54.394	22	32.2	28.52	21	32.2	A5	L	C7	4039	C -31 6277
94	10.0	9.6W	32 55.896	-0.0048	21	-30 12 57.75	-0.009	21	0.43	55.982	22	32.2	57.58	21	32.2			C7	4040	C -29 6420
95	9.4	9.2W	32 59.322	-0.0067	21	-34 53 45.58	0.010	21	0.43	59.477	22	32.2	45.75	21	32.2	F5		C7	4041	C -34 5007
96	10.2	9.5W	33 2.524	-0.0009	08	-35 26 48.65	-0.059	08	0.21	2.536	15	36.3	47.84	21	36.3	K1	L	C8	3769	C -35 4805
97		7.7T	33 5.009	-0.0025	10	-37 10 8.74	-0.003	09	0.41	5.110	15	09.5	8.60	15	08.0	A5		GC	11777	C*-36 4787
98		6.9T	33 12.884	-0.0017	13	-33 51 4.68	0.042	12	0.67	12.972	18	99.1	6.93	18	96.9	K2		GC	11784	C*-33 5207
99	8.7	8.0W	33 12.905	-0.0033	21	-31 6 43.71	0.016	21	0.43	12.964	22	32.2	44.00	21	32.2	K0		C7	4043	C -30 6506
00	9.1	9.6W	33 15.992	-0.0020	13	-38 30 5.49	0.026	13	0.26	16.019	15	36.3	5.84	21	36.3	B9		C8	3771	C -38 4638

199400			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-30° 8H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.			CAT.	STAR NUMBER	DM NUMBER	
1	9.7	9.1W	8 33 21.582	-0.0012	21	-30 46 28.45	-0.020	21	0.43	21.604	22	32.2	28.10	21	32.2	G5	L	C7	4044	C -30 6509	
2		6.3T	33 22.173	0.0069	09	-39 47 50.07	0.051	07	0.48	21.801	15	96.1	53.05	15	91.2	G0		GC	11787	C -39 4519	
3	9.1	7.5W	33 23.787	0.0019	09	-39 30 28.90	-0.012	09	0.22	23.760	15	36.3	28.74	21	36.3	K5		C8	3773	C -39 4520	
4	10.7	9.6W	33 24.036	-0.0038	13	-35 53 40.19	-0.033	13	0.26	24.087	15	36.3	39.74	21	36.3			C8	3774	C -35 4812	
5	9.4	8.0W	33 24.704	-0.0025	18	-39 4 47.63	0.001	18	0.31	24.739	15	36.3	47.65	21	36.3	K5		C8	3775	C -38 4639	
6	8.7	9.1W	33 31.804	-0.0011	21	-30 44 20.37	0.080	21	0.43	31.824	22	32.2	21.80	21	32.2	B9		C7	4045	C -30 6517	
7	9.0	9.1W	33 36.246	-0.0016	21	-32 23 54.74	0.021	21	0.43	36.274	22	32.2	55.12	21	32.2	A0		C7	4046	C -32 5487	
8	9.7	8.2W	33 41.823	0.0027	21	-32 2 23.64	-0.024	21	0.43	41.774	22	32.2	23.22	21	32.2	K5		C7	4047	C -31 6295	
9	10.4	8.8W	33 44.615	-0.0028	21	-32 58 4.99	0.025	21	0.43	44.666	22	32.2	5.43	21	32.2			C7	4049	C -32 5491	
10	9.6	9.2W	33 44.618	0.0008	21	-31 25 32.18	0.012	21	0.43	44.603	22	32.2	32.40	21	32.2	G0	L	C7	4048	C -31 6296	
11		8.9R	33 46.895	-0.0037	17	-30 23 27.66	-0.004	17	0.32	46.957	16	33.1	27.59	16	33.1	F5	M	13B	5292	J -30 6525	
12	9.2	8.2W	33 48.743	-0.0041	21	-33 53 1.80	0.036	21	0.43	48.816	22	32.2	2.44	21	32.2	K0		C7	4050	C -33 5222	
13	8.0	8.6W	34 0.990	0.0008	09	-38 7 24.59	-0.018	09	0.22	0.978	15	36.3	24.34	21	36.3	B9		C8	3776	C -37 4906	
14	7.6	8.2W	34 11.033	-0.0016	21	-30 25 24.07	-0.005	21	0.43	11.062	22	32.2	23.98	21	32.2	B5		C7	4051	C -30 6539	
15	9.5	9.6W	34 13.176	0.0012	21	-31 52 54.07	-0.020	21	0.43	13.154	22	32.2	53.72	21	32.2	A		C7	4052	C -31 6312	
16	7.8	8.0W	34 14.549	-0.0043	13	-36 5 22.37	0.027	13	0.26	14.607	15	36.3	22.75	21	36.3	A0		C8	3778	C -35 4833	
17		7.4T	34 14.671	-0.0009	14	-31 9 48.36	0.041	13	0.72	14.715	19	00.4	50.48	18	98.0	B8		GC	11801	C -30 6540	
18	9.5	9.0W	34 20.001	-0.0126	21	-34 17 13.65	0.112	21	0.43	20.226	22	32.2	15.64	21	32.2	G5		C7	4054	C -34 5039	
19		6.8T	34 21.020	-0.0052	13	-32 5 15.45	0.045	11	0.65	21.282	18	99.4	17.83	17	97.7	K0		GC	11804	C -31 6316	
20	9.0	9.6W	34 28.204	-0.0005	13	-39 44 45.84	-0.015	13	0.26	28.210	15	36.3	45.64	21	36.3	A0		C8	3780	C -39 4548	
21		7.0T	34 30.423	0.0009	13	-38 16 55.32	0.025	12	0.68	30.378	22	00.0	56.62	21	97.3	F5		GC	11808	C* -38 4655	
22	8.7	8.7W	34 38.564	-0.0045	21	-30 15 57.03	0.009	21	0.43	38.643	22	32.2	57.20	21	32.2	A0		C7	4056	C -30 6549	
23	9.3	9.5W	34 47.024	-0.0017	13	-36 28 59.00	-0.019	13	0.26	47.047	15	36.3	58.74	21	36.3	A0		C8	3782	C -36 4825	
24	7.9	8.4W	34 53.897	-0.0028	21	-34 54 55.79	-0.041	21	0.43	53.947	22	32.2	55.05	21	32.2	A0		C7	4057	C -34 5054	
25	8.9	8.8W	34 53.927	-0.0015	21	-30 39 22.10	0.000	21	0.43	53.954	22	32.2	22.10	21	32.2	A0		C7	4058	C* -30 6553	
26	8.6	7.9W	34 56.064	-0.0034	21	-31 32 50.23	-0.001	21	0.43	56.124	22	32.2	50.22	21	32.2	K0		C7	4059	C -31 6328	
27		8.7T	34 59.635	-0.0026	20	-37 48 16.91	-0.009	16	0.82	59.750	19	05.4	16.49	21	04.9	A0		GC	11822	C -37 4921	
28	8.3	8.5W	35 6.287	0.0003	21	-30 29 14.52	0.026	21	0.43	6.282	22	32.2	14.98	21	32.2	B9		C7	4060	C -30 6559	
29		8.1T	35 14.823	-0.0022	14	-37 44 7.48	-0.015	13	0.72	14.930	22	01.1	6.70	21	98.6	K5		GC	11833	C -37 4927	
30	9.2	9.4W	35 17.483	-0.0048	13	-36 57 25.37	-0.024	13	0.26	17.548	15	36.3	25.04	21	36.3	A0		C8	3785	C -36 4833	
31	8.7	8.8W	35 18.412	-0.0002	21	-31 34 6.38	-0.009	21	0.43	18.414	22	32.2	6.22	21	32.2	A0		C7	4061	C -31 6333	
32	10.0	8.8W	35 22.299	-0.0020	21	-32 53 23.46	0.004	21	0.43	22.336	22	32.2	23.53	21	32.2	K2	L	C7	4062	C -32 5526	
33		9.0R	35 26.801	0.0017	17	-30 8 18.61	-0.018	17	0.32	26.773	16	33.1	18.30	16	33.1	K0	M	13B	5320	J -29 6489	
34	9.1	7.5W	35 27.012	-0.0055	13	-35 57 40.52	-0.013	13	0.26	27.087	15	36.3	40.34	21	36.3	K5		C8	3787	C -35 4861	
35		8.0T	35 28.765	-0.0014	16	-30 19 23.74	0.014	13	0.76	28.833	21	01.7	24.46	19	98.3	B9		GC	11838	C* -30 6565	
36		6.5T	35 30.539	-0.0021	13	-33 34 10.31	-0.049	12	0.67	30.644	18	00.9	7.85	18	99.4	A5		GC	11839K	C -33 5257	
37	8.5	8.5W	35 31.118	-0.0021	13	-35 8 47.82	-0.013	13	0.26	31.146	15	36.3	47.64	21	36.3	A5		C8	3788	C -34 5069	
38		6.4T	35 31.131	-0.0274	12	-39 58 20.75	0.029	11	0.63	32.537	19	98.7	22.28	18	96.5	G0		GC	11840	C -39 4574	
39	8.9	9.0W	35 37.995	0.0005	13	-38 1 30.26	0.006	13	0.26	37.988	15	36.3	30.34	21	36.3	A0		C8	3790	C -37 4935	
40	8.7	9.0W	35 42.001	-0.0002	21	-33 10 49.70	0.024	21	0.43	42.006	22	32.2	50.13	21	32.2	B8		C7	4065	C -32 5536	
41	9.7	9.4W	35 52.931	-0.0013	21	-30 37 17.95	0.025	21	0.43	52.954	22	32.2	18.40	21	32.2	F2	L	C7	4066	C -30 6576	
42	8.3	8.6W	35 55.408	-0.0022	21	-34 42 18.79	-0.013	21	0.43	55.447	22	32.2	18.55	21	32.2	A0		C7	4067	C -34 5077	
43	9.1	9.0W	35 56.194	-0.0010	21	-30 3 9.68	0.017	21	0.43	56.212	22	32.2	9.98	21	32.2	A5		C7	4068	C -29 6503	
44	8.8	8.7W	36 0.107	0.0007	07	-36 16 31.10	-0.004	07	0.21	0.097	15	36.3	31.04	21	36.3	F0		C8	3791	C -36 4845	
45	9.4	9.4W	36 3.405	-0.0010	18	-37 12 7.35	-0.023	18	0.31	3.418	15	36.3	7.04	21	36.3	B5	L	C8	3792	C -36 4847	
46	8.6	9.0W	36 10.241	-0.0028	18	-38 35 1.23	0.001	18	0.31	10.279	15	36.3	1.24	21	36.3	B8		C8	3793	C -38 4684	
47		6.9T	36 12.272	-0.0002	13	-37 49 58.25	-0.016	12	0.68	12.281	18	00.4	57.39	21	97.2	B8		GC	11857	C* -37 4949	
48		7.7T	36 18.671	0.0002	17	-30 54 17.73	-0.014	16	0.79	18.662	22	04.2	17.06	22	03.3	B5		GC	11861	C -39 4603	
49		9.3R	36 19.411	0.0019	20	-30 19 37.23	-0.012	20	0.37	19.379	16	33.1	37.43	16	33.1	A0	M	13B	5335	J -30 6587	
50	8.8	9.0W	36 19.615	-0.0004	09	-39 41 24.36	-0.009	09	0.22	19.620	15	36.3	24.24	21	36.3	B8		C8	3796	C -39 4605	
51	9.9	8.3W	8 36 20.110	0.0008	09	-39 21 34.66	-0.009	09	0.22	20.099	15	36.3	34.54	21	36.3	K		C8	3797	C -39 4604	
52	8.9	8.9W	36 24.004	-0.0019	13	-39 14 29.18	-0.032	13	0.26	24.029	15	36.3	28.74	21	36.3	B8		C8	3798	C -38 4689	
53	10.7	9.4W	36 25.419	-0.0009	21	-31 50 41.19	-0.010	21	0.43	25.434	22	32.2	41.02	21	32.2			C7	4069	C -31 6355	
54	9.4	8.6W	36 26.307	-0.0037	13	-36 0 50.20	-0.019	13	0.26	26.357	15	36.3	49.94	21	36.3	K0		C8	3799	C -35 4885	
55	9.5	8.7W	36 27.465	-0.0034	21	-34 15 7.07	-0.035	21	0.43	27.526	22	32.2	6.44	21	32.2	K0		C7	4070	C -33 5280	
56	10.6	9.6W	36 27.847	-0.0026	21	-30 53 16.25	0.081	21	0.43	27.893	22	32.2	17.70	21	32.2	K0	L	C7	4071	C -30 6590	
57	8.8	8.9W	36 30.492	-0.0048	08	-35 38 46.49	0.011	08	0.21	30.557	15	36.3	46.64	21	36.3	A0		C8	3800	C -35 4886	
58		9.3R	36 32.974	-0.0034	17	-30 17 19.94	-0.017	17	0.32	33.031	16	33.1	19.65	16	33.1	K0	M	13B	5339	J -30 6591	
59	10.4	9.0W	36 38.513	-0.0036	21	-34 54 14.29	-0.002	21	0.43	38.577	22	32.2	14.25	21	32.2	K2	L	C7	4072	C -34 5095	
60	9.3	9.3W	36 45.426	-0.0011	21	-33 51 37.97	0.010	21	0.43	45.446	22	32.2	38.14	21	32.2	A5		C7	4073	C -33 5284	
61	9.7	8.2W	36 47.836	-0.0016	09	-36 46 42.64	-0.015	09	0.22	47.858	15	36.3	42.44	21	36.3	K5	L	C8	3801	C -36 4863	
62	8.0	8.3W	36 48.415	-0.0015	21	-30 12 37.72	0.043	21	0.43	48.442	22	32.2	38.48	21	32.2	B9		C7	4074	C -29 6527	
63	8.3	7.6W	36 48.484	-0.0018	21	-33 41 37.30	0.025	21	0.43	48.516	22	32.2	37.74	21	32.2	G5		C7	4075	C -33 5286	
64	11.4	10.2W	36 50.143	-0.0034	21	-31 16 19.79	0.023	21	0.43	50.204	22	32.2	20.20	21	32.2			C7	4076	C -31 6369	
65	9.1	8.3W	36 54.441	-0.0007	09	-39 53 24.56	0.028	09	0.22	54.450	15	36.3	24.94	21	36.3	K0		C8	3802	C -39 4624	
66	10.2	9.1W	36 55.028	-0.0020	21	-30 37 13.73	-0.002	21	0.43	55.064	22	32.2	13.70	21	32.2	K0	L	C7	4077	C -30 6599	
67	10.5	9.8W	36 56.477	-0.0004	21	-30 54 55.27	-0.010	21	0.43	56.484	22	32.2	55.10	21	32.2	G0	L	C7	4078	C -30 6601	
68	9.5	9.2W	37 7.521	-0.0053	21	-32 32 29.37	-0.013	21	0.43	7.616	22	32.2	29.13	21	32.2	G0	L	C7	4079	C -32 5561	
69	8.5	7.7W	37 12.824	-0.0006	21	-33 26 2.54	0.028	21	0.43	12.836	22	32.2	3.03	21	32.2	K0		C7	4080	C -33 5294	
70		7.1T	37 19.952	-0.0011	12	-37 17 35.45	0.020	12	0.67	20.007	21	99.1	36.51	19	96.4	K5		GC	11891	C* -37 4964	
71	9.7	9.0W	37 22.649	-0.0006	07	-36 22 22.88	-0.010	07	0.21	22.657	15	36.3	22.75	21	36.3	K0	L	C8	3804	C -36 4870	
72		9.1R	37 24.555	0.0054	20	-30 26 10.67	0.043	20	0.37	24.465	16	33.1	11.39	16	33.1	G0	M	13B	5351	J -30 6610	
73		6.1T	37 27.193	-0.0147	12	-36 25 48.30	0.036	09	0.63	28.039	19	92.6	50.40	18	91.0	F0		GC	11895K	C* -36 4872	
74		7.1T	37 27.923	-0.0010	13	-39 37 18.10	-0.040	12	0.68	27.974	22	99.5	15.93	19	96.3	A2		GC	11897	C -39 4633	
75	9.6	8.4W	37 30.070	0.0016	21	-30 24 58.86	-0.038	21	0.43	30.042	22	32.2	58.18	21	32.2	K5		C7	4081	C -30 6614	
76	9.3	9.6W	37 35.081	-0.0013	18	-36 56 33.99	0.004	18	0.31	35.098	15	36.3	34.04	21	36.3	B9	L	C8	3807	C -36 4876	
77		8.6T	37 42.525	-0.0063	17	-39 36 45.76	-0.040	17	0.81	42.810	24	04.7	43.91	24	04.2	F5		GC	11910	C -39 4638	
78	9.6	9.5W	37 48.231	-0.0093	21	-34 45 52.62	-0.071	21	0.43	48.397	22	32.2	51.35	21	32.2	F8		C7	4082	C -34 5122	
79		9.1R	37 50.342	-0.0020	20	-30 19 19.61	0.014	20	0.37	50.377	16	33.1	19.84	16	33.1	B9	J	13B	5360	J -30 6623	
80		7.3T	37 50.908	-0.0010	13	-33 49 54.40	-0.028	12	0.66	50.960	15	99.8	52.94	18	97.4	K2		GC	11915	C -33 5305	
81	9.5	9.5W	37 52.663	-0.0019	18	-37 41 28.58	0.019	18	0.31	52.688	15	36.3	28.84	21	36.3	A2	L	C8	3810	C -37 4976	
82	10.3	9.5W	37 54.896	-0.0060	23	-36 42 38.36	-0.016	23	0.37	54.978	15	36.3	38.15	21	36.3	K0	L	C8	3811	C -36 4885	
83	9.4	9.6W	37 56.913	-0.0012	18	-39 0 8.64	0.000	18	0.31	56.929	15	36.3	8.64	21	36.3	A2	L	C8	3812	C -38 4712	
84		8.5T	38 0.169	-0.0041	15	-39 35 35.66	-0.001	14	0.74	0.362	24	02.8	35.59	22	00.9	K0		GC	11918	C -39 4645	
85	10.0	9.0W	38 2.358	-0.0021	21	-33 22 9.14	-0.006	21	0.43	2.396	22	32.3	9.03	21	32.3	K2		C7	4084	C -33 5307	
86		7.4T	38 3.575	-0.0040	14	-33 50 30.93	-0.014	14	0.73	3.776	18	00.2	31.65	19	99.7	A3		GC	11920	C -33 5308	
87	10.1	10.4W	38 3.966	0.0007	21	-31 4 2.12	-0.024	21	0.43	3.953	22	32.3	1.70	21	32.3	A0	L	C7	4086	C -30 6626	
88	9.2	8.4W	38 6.038	-0.0015	21	-32 5 44.48	-0.015	21	0.43	6.064	22	32.3	44.22	21	32.3	K0	L	C7	4087	C -31 6394	
89	10.1	9.6W	38 6.952	0.0033	21	-30 35 14.67	-0.010	21	0.43	6.894	22	32.3	14.50	21	32.3	G2	L	C7	4088	C -30 6627	
90		4.0T	38 8.645	0.0012	04	-35 7 47.40	-0.018	04	0.17	8.596	05	08.0	46.58	06	05.4	G5		GC	11923	C* -34 5128	
91	9.9	10.2W	38 12.076	-0.0039	21	-31 41 42.90	-0.016	21	0.43	12.144	22	32.3	42.62	21	32.3	A3	L	C7	4090	C -31 6396	
92	8.0	8.1W	38 15.996	-0.0022	21	-31 59 15.59	-0.061	21	0.43	16.034	22	32.3	14.52	21	32.3	A0		C7	4091	C* -31 6398	
93	9.4	9.6W	38 17.520	-0.0029	21	-30 22 35.48	0.023	21	0.43	17.572	22	32.3	35.88	21	32.3	A0		C7	4092	C -30 6632	
94	8.2	8.4W	38 18.237	-0.0017	09	-39 53 21.24	0.007	09	0.22	18.260	15	36.3	21.34	21	36.3	A0		C8	3815	C -39 4650	
95	9.8	9.5W	38 21.629	-0.0106	21	-34 53 22.00	0.003	21	0.43	21.817	22	32.3	22.05	21	32.3	F5		C7	4093	C -34 5134	
96		9.5R	38 23.849	-0.0043	20	-30 21 59.82	-0.015	20	0.37	23.921	16	33.1	59.56	16	33.1	G0	M	13B	5374	J -30 6634	
97	8.7	8.9W	38 43.247	-0.0015	06	-35 53 24.30	-0.019	06	0.20	43.267	15	36.3	24.04	21	36.3	A0		C8	3817	C -35 4930	
98	10.1	8.5W	38 44.056	0.0013	07	-36 49 54.72	-0.013	07	0.21	44.038	15	36.3	54.55	21	36.3	K5	L	C8	3818	C -36 4902	
99	9.0	8.1W	38 48.288	0.0030	21	-31 37 56.91	0.040	21	0.43	48.234	22	32.3	57.62	21	32.3	K2		C7	4094	C* -31 6408	
00	10.3	9.7W	38 51.799	-0.0095	21	-34 48 18.51	0.093	21	0.43	51.967	22	32.3	20.15	21	32.3	K0	L	C7	4095	C -34 5142	

199500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 8H DM NUMBER
1	9.7	9.5W	8 38 54.152	-0.0084	23	-35 28 26.06	0.006	23	0.37	54.266	15	36.3	26.14	21	36.3	F2	C8	3819	C -35 4934
2	11.1		39 3.215	-0.0054	18	-37 57 30.37	0.020	18	0.31	3.288	15	36.3	30.64	21	36.3	A5 L	C8	3820	C -37 4997
3	10.1	8.7W	39 10.689	-0.0029	18	-38 13 7.97	0.027	18	0.31	10.728	15	36.3	8.34	21	36.3	K2 L	C8	3821	C -37 5061
4	9.2	9.3W	39 14.705	-0.0017	21	-32 24 36.72	-0.017	21	0.43	14.734	22	32.3	36.42	21	32.3	A3	C7	4096	C -32 5611
5	8.6	8.6W	39 16.432	-0.0011	09	-36 7 50.03	-0.058	09	0.22	16.447	15	36.3	49.24	21	36.3	F2	C8	3823	C -35 4943
6	8.9	8.0W	39 17.845	-0.0017	21	-33 3 33.44	-0.051	21	0.43	17.876	22	32.3	32.53	21	32.3	K0	C7	4097	C -32 5602
7	9.9	9.1W	39 19.122	-0.0035	21	-31 13 33.79	0.023	21	0.43	19.184	22	32.3	34.20	21	32.3	K0 L	C7	4098	C -30 6657
8	8.0	7.8W	39 24.760	-0.0035	13	-35 46 33.00	0.003	13	0.26	24.807	15	36.3	33.04	21	36.3	F2	C8	3824	C -35 4948
9	9.5	9.4W	39 33.563	-0.0018	21	-33 9 20.67	-0.013	21	0.43	33.596	22	32.3	20.43	21	32.3	F5	C7	4099	C -32 5611
10	9.8	9.8W	39 45.520	-0.0072	30	-38 42 12.57	0.034	30	0.45	45.619	15	36.3	13.04	21	36.3	A8 L	C8	3825	C -38 4747
11	10.0	9.8W	39 54.659	-0.0064	13	-35 20 52.40	0.010	13	0.26	54.746	15	36.3	52.54	21	36.3	G5	C8	3826	C -35 4956
12	9.9	9.0W	39 59.845	-0.0045	21	-32 26 12.27	0.042	21	0.43	59.924	22	32.3	13.02	21	32.3	K2	C7	4100	C -32 5622
13	8.7	8.9W	40 0.667	-0.0006	13	-37 34 35.32	0.009	13	0.26	0.658	15	36.3	35.44	21	36.3	A2	C8	3827	C -37 5013
14	9.1	8.3W	40 4.173	-0.0026	13	-36 59 35.22	-0.013	13	0.26	4.208	15	36.3	35.04	21	36.3	K2	C8	3828	C -36 4929
15	9.4	8.4W	40 5.968	0.0013	21	-31 33 58.95	-0.036	21	0.43	5.944	22	32.3	58.32	21	32.3	K0	C7	4101	C -31 6432
16		7.1T	40 10.897	-0.0013	12	-32 3 5.33	-0.012	10	0.61	10.961	18	99.9	4.68	17	98.1	B9	GC	11977	C -31 6433
17	9.2	9.4W	40 14.213	-0.0013	13	-39 55 19.43	0.008	13	0.26	14.230	15	36.3	19.54	21	36.3	A0	C8	3829	C -39 4681
18	9.0	9.2W	40 14.909	-0.0013	21	-30 23 6.66	-0.010	21	0.43	14.932	22	32.3	6.48	21	32.3	A0	C7	4103	C -30 6682
19	10.3	9.5W	40 17.029	-0.0020	21	-30 47 10.48	-0.022	21	0.43	16.994	22	32.3	10.10	21	32.3	G5 L	C7	4104	C -30 6684
20	10.8	10.2W	40 20.394	-0.0032	13	-35 34 54.70	-0.041	13	0.26	20.437	15	36.3	54.14	21	36.3		C8	3830	C -35 4964
21	8.7	8.8W	40 21.548	-0.0021	21	-32 16 47.63	0.016	21	0.43	21.584	22	32.3	47.92	21	32.3	A0	C7	4105	C -32 5630
22	10.1	9.2W	40 22.607	-0.0045	09	-36 48 42.05	0.014	09	0.22	22.668	15	36.3	42.25	21	36.3	G5 L	C8	3831	C -36 4933
23	10.7	9.8W	40 27.315	0.0000	21	-31 49 36.86	0.003	21	0.43	27.314	22	32.3	36.92	21	32.3	G5 L	C7	4106	C -31 6441
24	9.6	10.3W	40 29.335	-0.0017	18	-37 10 55.31	-0.020	18	0.31	29.358	15	36.3	55.04	21	36.3	B5 L	C8	3832	C -36 4935
25	8.4	8.8W	40 29.531	-0.0007	13	-39 37 36.01	0.024	13	0.26	29.540	15	36.3	36.34	21	36.3	B9	C8	3833	C -39 4683
26	10.5	9.3W	40 32.888	-0.0014	13	-36 12 2.52	-0.035	13	0.26	32.907	15	36.3	2.04	21	36.3	K0 L	C8	3834	C -35 4968
27		9.1R	40 41.218	-0.0031	20	-30 21 10.47	-0.035	20	0.37	41.271	16	33.1	9.88	16	33.1	F8 M	13B	5414	J -30 6690
28	8.9	7.6W	40 42.850	-0.0016	07	-37 12 7.06	-0.038	07	0.21	42.826	15	36.3	6.54	21	36.3	K2	C8	3835	C -36 4939
29	8.9	9.3W	40 43.491	-0.0014	10	-39 13 8.36	0.006	10	0.23	43.509	15	36.3	8.44	21	36.3	B9	C8	3836	C -38 4774
30		9.1R	40 44.359	-0.0010	20	-30 30 41.47	-0.006	20	0.37	44.377	16	33.1	41.36	16	33.1	K0 M	13B	5416	J -30 6692
31	9.5	9.2W	40 48.290	-0.0019	21	-30 34 21.30	0.028	21	0.43	48.323	22	32.3	21.80	21	32.3	F8 L	C7	4107	C -30 6695
32	9.8	8.4W	40 49.446	-0.0028	21	-34 33 11.86	-0.000	21	0.43	49.397	22	32.3	11.85	21	32.3	MA	C7	4108	C -34 5170
33	8.9	8.6W	40 52.243	-0.0069	09	-36 20 2.49	0.033	09	0.22	52.337	15	36.3	2.94	21	36.3	G5	C8	3837	C*-36 4944
34		9.1R	40 55.827	-0.0030	20	-30 34 6.48	0.020	20	0.37	55.879	16	33.1	6.81	16	33.1	A0 M	13B	5419	J -30 6703
35		6.4T	41 0.021	-0.0005	13	-35 45 46.05	0.015	11	0.62	0.048	17	00.7	46.79	15	99.8	A0	GC	11998	C*-35 4976
36	9.2	8.2W	41 0.620	-0.0042	21	-31 24 52.69	-0.034	21	0.43	0.694	22	32.3	52.10	21	32.3	K0	C7	4109	C -31 6451
37		9.2R	41 5.065	-0.0040	20	-30 0 48.88	0.015	20	0.37	5.133	16	33.1	49.13	16	33.1	A0 J	13B	5424	J -29 6649
38	10.9	9.5W	41 8.765	-0.0030	23	-35 15 24.53	-0.058	23	0.37	8.806	15	36.3	23.74	21	36.3	K0 L	C8	3839	C -34 5175
39	10.0	9.8W	41 8.956	-0.0030	23	-35 34 55.93	-0.028	23	0.37	8.997	15	36.3	55.55	21	36.3	F5 L	C8	3840	C -35 4980
40	10.2	8.9W	41 14.673	-0.0013	21	-33 53 28.46	0.016	21	0.43	14.696	22	32.3	28.74	21	32.3	M8	C7	4110	C -33 5354
41	10.1	10.3W	41 20.870	-0.0048	21	-31 54 14.91	0.000	21	0.43	20.954	22	32.3	14.92	21	32.3	A0	C7	4111	C -31 6456
42		7.9T	41 23.787	0.0022	16	-38 57 18.43	-0.062	15	0.77	23.684	24	03.4	15.41	22	01.6	F5	GC	12009	C -38 4786
43	8.8	9.1W	41 25.904	-0.0019	13	-38 30 51.75	-0.001	13	0.26	25.929	15	36.3	51.74	21	36.3	A0	C8	3842	C -38 4788
44		6.6T	41 26.379	-0.0256	13	-38 42 21.76	0.330	12	0.69	27.679	22	99.2	39.20	19	97.1	K0	GC	12013	C*-38 4789
45	8.5	8.0W	41 34.266	-0.0011	21	-32 56 32.15	-0.035	21	0.43	34.286	22	32.3	31.53	21	32.3		C7	4112	C -32 5650
46		3.7M	41 34.889	-0.0014	02	-33 0 18.64	0.009	02	0.08	34.938	04	15.6	18.94	04	15.3	B2	F4	327	C -32 5651
47	10.2	8.9W	41 35.674	-0.0018	18	-38 4 29.82	0.009	18	0.31	35.698	15	36.3	29.94	21	36.3	K2 L	C8	3844	C -37 5037
48	9.9	9.1W	41 36.932	-0.0036	21	-34 24 46.41	-0.004	21	0.43	36.996	22	32.3	46.34	21	32.3	K0	C7	4114	C -34 5186
49	9.2	7.7W	41 40.360	-0.0008	13	-39 25 6.70	0.010	13	0.26	40.349	15	36.3	6.84	21	36.3	K5	C8	3845	C -39 4709
50	10.0	9.4W	41 43.111	-0.0013	21	-30 34 40.16	0.002	21	0.43	43.133	22	32.3	40.20	21	32.3	G2 L	C7	4115	C -30 6721
51	8.9	8.9W	8 41 47.143	-0.0069	21	-33 16 21.89	0.025	21	0.43	47.266	22	32.3	22.33	21	32.3	A3	C7	4116	C -33 5365
52		9.0R	41 49.277	0.0014	20	-30 29 23.36	0.002	20	0.37	49.253	16	33.2	23.39	16	33.2	A2 J	13B	5434	J -30 6722
53	10.0	8.7W	41 50.790	-0.0002	21	-30 52 21.14	-0.014	21	0.43	50.794	22	32.3	20.90	21	32.3	MA	C7	4117	C -30 6723
54		9.5R	41 52.151	0.0039	20	-30 41 33.30	0.006	20	0.37	52.086	16	33.2	33.39	16	33.2	A0 M	13B	5437	J -30 6724
55	8.8	8.9W	41 53.531	-0.0020	21	-34 27 16.45	-0.040	21	0.43	53.566	22	32.3	15.74	21	32.3	A0	C7	4118	C -34 5189
56	10.3	9.5W	41 57.780	-0.0035	21	-30 25 36.17	-0.005	21	0.43	57.842	22	32.3	36.08	21	32.3		C7	4119	C -30 6726
57	8.2	8.0W	41 58.257	-0.0020	21	-30 3 28.28	0.067	21	0.43	58.222	22	32.3	29.28	21	32.3	F0	C7	4120	C -29 6672
58	9.1	9.3W	41 59.234	-0.0032	13	-36 22 30.53	-0.043	13	0.26	59.277	15	36.3	29.94	21	36.3	A2	C8	3846	C -36 4962
59	8.5	8.5W	42 0.634	-0.0057	21	-33 16 17.12	-0.005	21	0.43	0.736	22	32.3	17.03	21	32.3	A2	C7	4121	C -33 5370
60	9.1	9.0W	42 3.413	-0.0172	13	-37 51 31.26	0.028	13	0.26	3.648	15	36.3	31.64	21	36.3	F0	C8	3847	C -37 5047
61	9.7	9.0W	42 4.955	-0.0017	21	-33 5 13.94	-0.000	21	0.43	4.986	22	32.3	13.93	21	32.3	G0	C7	4122	C -32 5660
62		6.9T	42 7.537	-0.0019	16	-38 35 54.75	0.036	17	0.80	7.625	24	03.2	56.42	22	03.2	K0	GC	12033	C*-38 4804
63	9.5	9.3W	42 21.150	-0.0008	21	-31 14 42.94	-0.031	21	0.43	21.164	22	32.3	42.40	21	32.3	F2	C7	4123	C -30 6740
64		6.8T	42 23.699	-0.0030	14	-37 20 40.77	-0.020	11	0.69	23.846	21	00.8	39.69	19	96.5	K2	GC	12042	C -37 5084
65	10.3	9.6W	42 23.877	0.0029	23	-35 35 58.36	-0.016	23	0.37	23.857	15	36.3	58.14	21	36.3	K5	C8	3851	C -35 4999
66		9.7R	42 24.649	-0.0010	21	-30 24 58.29	0.070	21	0.38	24.667	16	33.2	59.46	16	33.2		13B	5446	W -30 2659
67		7.5T	42 25.803	-0.0021	13	-31 50 20.86	0.010	11	0.66	25.906	18	00.1	21.36	17	97.6	K2	GC	12044	C*-31 6475
68	9.1	9.6W	42 33.149	-0.0021	13	-35 53 13.81	0.017	13	0.26	33.177	15	36.3	14.04	21	36.3	A0	C8	3852	C -35 5001
69	8.9	8.0W	42 39.589	0.0008	18	-37 46 56.56	-0.028	18	0.31	39.578	15	36.3	56.95	21	36.3	K0	C8	3853	C -37 5063
70	8.2	8.2W	42 43.378	-0.0007	08	-35 59 22.27	-0.068	08	0.21	43.387	15	36.3	21.34	21	36.3	F0	C8	3854	C -35 5004
71	8.3	8.7W	42 50.414	0.0004	13	-37 49 13.32	0.009	13	0.26	50.408	15	36.3	13.44	21	36.3	B9	C8	3855	C -37 5065
72	9.5	8.7W	42 54.392	0.0030	13	-39 44 52.62	-0.028	13	0.26	54.350	15	36.3	52.24	21	36.3	K0 L	C8	3856	C -39 4737
73		5.8T	42 56.290	-0.0012	06	-36 57 53.12	-0.002	07	0.26	56.335	09	12.6	53.03	09	12.1	B8	GC	12058	C -36 4980
74	9.6	9.3W	42 57.008	-0.0004	21	-33 25 24.26	-0.103	21	0.43	57.016	22	32.3	22.43	21	32.3	G5	C7	4125	C -33 5388
75		7.1T	42 57.107	-0.0019	14	-30 47 43.40	0.014	13	0.72	57.202	18	00.0	44.12	18	97.6	A0	GC	12061	C -30 6748
76	8.9	8.8W	42 59.673	-0.0005	21	-30 15 42.93	0.043	21	0.43	59.682	22	32.3	43.68	21	32.3	F0	C7	4127	C -29 6698
77	10.1	9.3W	43 2.224	-0.0039	13	-35 48 44.69	0.018	13	0.26	2.277	15	36.3	44.94	21	36.3	K5	C8	3858	C -35 5012
78		6.8T	43 6.554	0.0044	13	-32 3 55.82	-0.094	10	0.65	6.331	18	99.7	50.68	18	95.0	F2	GC	12064K	C*-31 6493
79	8.3	8.7W	43 8.549	0.0003	21	-31 25 0.29	-0.011	21	0.43	8.543	22	32.3	0.10	21	32.3	B9	C7	4129	C -31 6492
80	10.9	9.5W	43 10.363	-0.0041	18	-38 54 38.67	0.020	18	0.31	10.419	15	36.3	38.94	21	36.3	K0 L	C8	3859	C -38 4822
81	9.5	8.1W	43 15.947	-0.0001	13	-37 45 37.47	0.005	13	0.26	15.948	15	36.3	37.54	21	36.3	K2	C8	3860	C -37 5072
82		9.1R	43 21.397	-0.0010	20	-30 8 1.51	-0.037	20	0.37	21.414	16	33.2	0.89	16	33.2	K5 M	13B	5466	J -29 6712
83	9.5	8.7W	43 31.960	-0.0020	21	-34 26 24.40	-0.026	21	0.43	31.996	22	32.3	23.94	21	32.3	K0	C7	4130	C*-34 5222
84	9.8	8.7W	43 37.680	-0.0008	21	-31 18 42.99	-0.045	21	0.43	37.694	22	32.3	42.20	21	32.3	A3	C7	4131	C -31 6500
85		8.4T	43 40.935	-0.0086	16	-39 34 9.39	0.044	15	0.77	41.335	24	03.5	11.47	22	02.3	G5	GC	12084	C -39 4748
86	8.9	9.1W	43 47.646	-0.0022	21	-33 17 26.78	0.003	21	0.43	47.686	22	32.3	26.83	21	32.3	A0	C7	4132	C -33 5408
87	10.7	9.3W	43 50.468	-0.0021	23	-35 25 1.26	0.013	23	0.37	50.496	15	36.3	1.44	21	36.3	K5	C8	3863	C -35 5026
88	7.5	7.4W	43 52.077	-0.0001	13	-36 33 34.70	-0.004	13	0.26	52.078	15	36.3	34.64	21	36.3	B8	C8	3864	C -36 4998
89		7.1T	43 54.306	-0.0038	14	-31 58 49.64	0.008	11	0.64	54.486	18	02.3	50.07	17	99.0	K0	GC	12093	C*-31 6508
90		6.7T	43 56.417	0.0005	12	-37 41 38.14	0.008	12	0.65	56.392	22	00.6	38.54	21	98.3	A2	GC	12095	C -37 5088
91	8.7	9.0W	43 57.098	-0.0015	13	-39 12 46.56	0.006	13	0.26	57.119	15	36.3	46.65	21	36.3	A0	C8	3866	C -38 4834
92	9.3	9.4W	44 8.361	-0.0027	07	-35 47 20.78	-0.025	07	0.21	8.397	15	36.3	20.44	21	36.3	A0	C8	3868	C -35 5031
93	8.9	7.8W	44 9.044	-0.0025	13	-36 49 53.52	-0.020	13	0.26	9.078	15	36.3	53.25	21	36.3	K0	C8	3869	C -36 5007
94	9.1	9.2W	44 10.831	-0.0037	21	-35 0 34.58	-0.059	21	0.43	10.896	22	32.3	33.54	21	32.3	A0	C7	4134	C -34 5233
95	9.1	8.5W	44 12.902	0.0005	21	-31 17 16.91	-0.018	21	0.43	12.893	22	32.3	16.60	21	32.3	K0	C7	4135	C -31 6514
96	10.6	9.5W	44 15.832	0.0006	21	-30 29 45.47	0.029	21	0.43	15.822	22	32.3	45.98	21	32.3		C7	4136	C -30 6779
97	9.7	9.0W	44 17.248	-0.0052	18	-38 24 58.38	-0.003	18	0.31	17.318	15	36.3	58.34	21	36.3	K0 L	C8	3870	C -38 4842
98	8.2	7.2W	44 21.628	-0.0044	21	-33 43 6.55	0.011	21	0.43	21.706	22	32.3	6.74	21	32.3	K0	C7	4137	C -33 5416
99	10.2	9.1W	44 23.762	-0.0011	07	-36 12 51.69	-0.040	07	0.21	23.777	15	36.3	51.14	21	36.3	K0 L	C8	3871	C -35 5038
00	9.7	9.3W	44 26.630	-0.0036	21	-31 9 58.38	-0.084	21	0.43	26.693	22	32.3	56.90	21	32.3	G5	C7	4138	C -30 6780

199600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 8H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ/σ_{1950} .001"	″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.7	8.9W	8 44 27.832	-0.0012	10	-38 7 16.35	-0.030	10	0.23	27.848	15	36.3	15.94	21	36.3	KO	C8	3872	C -37 5099	
2	8.7	9.0W	44 29.012	-0.0024	21	-32 39 25.40	-0.032	21	0.43	29.056	22	32.3	24.83	21	32.3	A0	C7	4139	C -32 5706	
3	8.4	8.5W	44 31.681	-0.0025	21	-32 31 12.66	-0.024	21	0.43	31.726	22	32.3	12.23	21	32.3	A0	C7	4140	C -32 5707	
4	9.7	8.9W	44 34.360	-0.0035	21	-30 23 23.61	0.010	21	0.43	34.422	22	32.3	23.78	21	32.3	K2	C7	4141	C -30 6783	
5	8.2	7.9W	44 36.122	-0.0075	21	-33 3 42.63	0.034	21	0.43	36.256	22	32.3	43.23	21	32.3	F2	C7	4142	C -32 5710	
6	9.0	9.0W	44 40.081	-0.0019	06	-35 24 15.40	-0.026	06	0.20	40.106	15	36.3	15.04	21	36.3	A5	C8	3874	C -35 5042	
7		6.4T	44 49.965	-0.0021	07	-34 26 19.12	0.004	06	0.30	50.057	12	06.8	19.32	12	02.9	B3	GC	12126	C -34 5243	
8	7.5	7.7W	44 51.591	-0.0037	21	-33 52 57.94	-0.000	21	0.43	51.656	22	32.3	57.94	21	32.3	A0	C7	4144	C -33 5425	
9		6.9T	44 51.768	-0.0010	17	-39 43 25.36	0.001	18	0.84	51.813	24	04.5	25.39	24	04.5	B9	GC	12127	C -39 4773	
10	10.3	9.1W	44 52.480	-0.0020	21	-32 3 1.64	0.027	21	0.43	52.514	22	32.3	2.12	21	32.3	K5	C7	4145	C -31 6536	
11	9.1	8.2W	44 53.665	-0.0032	09	-36 36 46.60	0.003	09	0.22	53.708	15	36.3	46.64	21	36.3	K0	C8	3876	C -36 5022	
12	10.4		44 53.717	-0.0030	18	-37 26 42.68	0.019	18	0.31	53.758	15	36.3	42.94	21	36.3	A5	L C8	3877	C -37 5108	
13	7.5	7.5W	44 56.999	-0.0007	09	-39 18 42.90	-0.004	09	0.22	57.009	15	36.3	42.84	21	36.3	A0	C8	3878	C*-39 4774	
14	9.6	9.3W	44 57.161	-0.0013	21	-30 47 54.04	0.303	21	0.43	57.184	22	32.3	59.40	21	32.3	F5	C7	4146	C*-30 6792	
15	9.7	9.0W	45 7.178	0.0001	09	-35 16 7.64	-0.022	09	0.22	7.176	15	36.3	7.34	21	36.3	K0	C8	3879	C -34 5251	
16	9.2	8.5W	45 8.682	-0.0000	21	-30 17 25.14	-0.003	21	0.43	8.682	22	32.3	25.08	21	32.3	K0	C7	4147	C -30 6800	
17	10.5		45 10.448	-0.0101	23	-35 28 44.01	-0.027	23	0.37	10.586	15	36.3	43.64	21	36.3	F8	L C8	3880	C -35 5046	
18	9.0	7.9W	45 21.388	-0.0015	13	-37 56 3.95	0.043	13	0.26	21.408	15	36.3	4.54	21	36.3	K0	C8	3881	C -37 5116	
19		6.7T	45 24.689	0.0005	12	-34 24 57.66	0.006	11	0.61	24.666	17	99.3	57.99	17	97.2	K5	GC	12137	C*-34 5255	
20		10.2T	45 27.247	-0.0031	17	-34 25 27.08	0.009	16	0.80	27.391	22	04.0	27.52	22	03.0	A2	GC	12139	C -34 5256	
21	7.6	7.4W	45 28.577	-0.0001	07	-36 33 57.87	-0.002	07	0.21	28.578	15	36.3	57.84	21	36.3	B3	C8	3882	C -36 5030	
22		7.5T	45 29.789	-0.0017	13	-39 36 53.86	0.021	11	0.66	29.874	21	00.1	54.97	18	96.1	A0	GC	12140	C -39 4788	
23	8.5	8.9W	45 31.111	-0.0013	13	-37 50 53.57	-0.017	13	0.26	31.128	15	36.3	53.34	21	36.3	B8	C8	3884	C -37 5120	
24	10.4	10.0W	45 32.198	-0.0020	21	-31 12 45.81	-0.012	21	0.43	32.234	22	32.3	45.60	21	32.3	K0	L C7	4149	C -30 6812	
25	10.0	8.6W	45 37.535	-0.0017	21	-33 7 55.77	0.015	21	0.43	37.566	22	32.3	56.03	21	32.3	K5	C7	4150	C -32 5724	
26		6.6T	45 46.951	-0.0002	13	-38 48 24.91	-0.003	11	0.64	46.960	21	02.8	24.74	19	98.0	B9	GC	12147	C -38 4879	
27	8.7	9.0W	45 48.640	-0.0051	18	-39 4 0.24	-0.015	18	0.31	48.709	15	36.3	0.04	21	36.3	B8	C8	3887	C -38 4882	
28		6.9T	45 50.459	0.0002	17	-38 45 23.14	-0.007	12	0.77	50.449	18	01.8	22.74	21	93.9	A0	GC	12151K	C*-38 4883	
29		6.9T	45 50.497	0.0022	13	-33 12 46.54	0.003	10	0.63	50.385	18	99.8	46.72	17	94.8	K0	GC	12152	C -32 5728	
30	9.8	9.6W	45 50.875	-0.0028	21	-31 40 45.43	0.050	21	0.43	50.924	22	32.3	46.32	21	32.3	F2	C7	4152	C -31 6550	
31	9.5	9.6W	45 54.189	-0.0015	21	-33 59 0.26	-0.012	21	0.43	54.216	22	32.3	0.04	21	32.3	A0	C7	4153	C -33 5441	
32	9.2	8.9W	45 56.235	-0.0101	21	-31 3 24.82	-0.035	21	0.43	56.413	22	32.3	24.20	21	32.3	G0	C7	4154	C -30 6818	
33	8.6	9.0W	45 58.339	-0.0022	13	-37 48 14.90	-0.026	13	0.26	58.368	15	36.3	14.54	21	36.3	B9	C8	3889	C -37 5130	
34	9.8	8.9W	45 59.343	-0.0029	21	-30 44 0.97	0.069	21	0.43	59.394	22	32.3	2.20	21	32.3	K5	C7	4155	C -30 6819	
35	9.0	8.6W	45 59.623	0.0077	08	-35 32 30.94	-0.044	08	0.21	59.517	15	36.3	30.34	21	36.3	G5	C8	3890	C -35 5059	
36	9.5	9.9W	46 3.450	0.0002	23	-35 36 59.82	-0.013	23	0.37	3.447	15	36.3	59.64	21	36.3	A2	C8	3891	C*-35 5061	
37	10.4	9.1W	46 4.774	-0.0023	21	-32 27 37.59	0.024	21	0.43	4.814	22	32.3	38.02	21	32.3	K5	C7	4156	C -32 5729	
38	8.8	9.0W	46 8.723	-0.0017	13	-35 7 16.54	-0.015	13	0.26	8.747	15	36.3	16.34	21	36.3	B9	C8	3892	C -34 5268	
39	9.4	9.2W	46 10.792	-0.0026	06	-36 13 32.00	-0.004	06	0.20	10.827	15	36.3	31.94	21	36.3	F0	C8	3893	C -35 5064	
40	9.9	9.1W	46 11.942	-0.0041	23	-37 2 57.85	-0.023	23	0.37	11.998	15	36.3	57.54	21	36.3	K0	L C8	3894	C -36 5041	
41	9.1	9.6W	46 20.920	-0.0006	13	-37 53 57.55	0.021	13	0.26	20.928	15	36.3	57.85	21	36.3	A0	C8	3895	C -37 5138	
42	10.4	9.8W	46 21.513	-0.0004	18	-38 1 39.70	0.032	18	0.31	21.518	15	36.3	40.14	21	36.3	F8	L C8	3896	C -37 5137	
43	9.7	9.1W	46 27.455	-0.0029	21	-33 45 35.97	0.044	21	0.43	27.506	22	32.3	36.74	21	32.3	K0	C7	4158	C -33 5451	
44		9.1R	46 27.479	-0.0050	17	-30 30 50.14	0.129	17	0.32	27.563	16	33.2	52.30	16	33.2	G5	M 13B	5507	J -30 6827	
45	9.5	8.7W	46 30.274	-0.0051	21	-31 13 15.40	0.039	21	0.43	30.363	22	32.3	16.10	21	32.3	K0	C7	4159	C -30 6833	
46	9.7	9.1W	46 31.026	-0.0016	21	-30 35 50.78	0.029	21	0.43	31.054	22	32.3	51.30	21	32.3	K2	C7	4160	C -30 6832	
47	9.7	9.6W	46 31.037	-0.0017	21	-34 53 44.46	-0.000	21	0.43	31.067	22	32.3	44.45	21	32.3	F8	C7	4161	C -34 5276	
48	10.0	8.9W	46 38.839	-0.0026	21	-32 26 48.66	-0.014	21	0.43	38.884	22	32.3	48.42	21	32.3	K5	C7	4162	C -32 5742	
49		9.0R	46 41.696	-0.0030	12	-30 7 46.99	-0.011	12	0.26	41.746	16	33.2	46.80	16	33.2	A2	J 13B	5514	J -29 6794	
50	8.3	8.6W	46 42.919	0.0001	09	-38 50 2.87	-0.024	09	0.22	42.919	15	36.3	2.55	21	36.3	A0	C8	3897	C -38 4905	
51	9.8	9.5W	8 46 47.304	-0.0023	21	-32 16 59.21	-0.107	21	0.43	47.344	22	32.3	57.32	21	32.3	K0	C7	4163	C -32 5744	
52	8.0	8.4W	46 48.344	-0.0011	13	-37 49 4.37	-0.024	13	0.26	48.358	15	36.3	4.04	21	36.3	B9	C8	3899	C -37 5146	
53	9.0	8.3W	46 48.547	-0.0008	13	-36 24 55.71	-0.005	13	0.26	48.557	15	36.3	55.64	21	36.3	K0	C8	3900	C -36 5052	
54		7.0T	46 49.675	-0.0054	30	-39 2 55.12	0.026	30	1.29	49.903	26	07.8	56.20	26	07.8	A3	GC	12171	C -38 4907	
55	9.1	9.2W	46 54.948	-0.0056	21	-34 35 53.46	0.017	21	0.43	55.047	22	32.3	53.75	21	32.3	A2	C7	4164	C -34 5282	
56	8.9	8.9W	46 56.372	-0.0033	13	-35 42 8.04	-0.007	13	0.26	56.417	15	36.3	7.94	21	36.3	A2	C8	3902	C -35 5075	
57		8.3R	46 58.817	0.0003	17	-30 1 58.11	-0.042	17	0.32	58.811	16	33.2	57.40	16	33.2	G0	J 13B	5516	J -29 6799	
58	9.3	9.1W	47 0.268	-0.0032	21	-33 27 45.21	-0.010	21	0.43	0.326	22	32.3	45.03	21	32.3	F0	C7	4165	C -33 5459	
59		7.0T	47 0.690	-0.0009	15	-38 47 3.11	-0.002	13	0.73	0.733	22	02.2	2.99	21	98.4	K0	GC	12175	C -38 4909	
60	8.7	8.6W	47 2.814	-0.0006	21	-32 5 24.71	0.057	21	0.43	2.824	22	32.3	25.72	21	32.3	F0	C7	4166	C -31 6569	
61	10.4	9.6W	47 3.523	-0.0001	21	-31 42 3.61	-0.017	21	0.43	3.524	22	32.3	3.32	21	32.3	K2	C7	4167	C -31 6568	
62	7.1	7.4W	47 9.171	-0.0014	18	-39 13 42.96	-0.009	18	0.31	9.189	15	36.3	42.84	21	36.3	B9	C8	3905	C -38 4911	
63	9.4	9.0W	47 10.097	0.0012	21	-34 7 1.55	-0.068	21	0.43	10.076	22	32.3	0.34	21	32.3	G5	C7	4168	C -33 5461	
64	9.8	8.9W	47 11.288	-0.0021	13	-35 12 23.74	-0.007	13	0.26	11.317	15	36.3	23.64	21	36.3	K2	C8	3906	C -34 5289	
65		9.0R	47 12.065	0.0005	12	-30 3 18.41	-0.020	12	0.26	12.057	16	33.2	18.07	16	33.2	K0	M 13B	5521	J -29 6804	
66		7.6T	47 13.994	-0.0086	17	-39 46 10.31	0.141	17	0.82	14.391	24	03.9	16.89	22	03.2	G5	GC	12182	C*-39 4830	
67	8.8	9.0W	47 21.408	0.0008	21	-31 2 19.43	0.009	21	0.43	21.394	22	32.3	19.60	21	32.3	A2	C7	4169	C -30 6854	
68		7.6T	47 23.491	-0.0076	11	-30 44 48.01	-0.027	10	0.59	23.879	17	98.8	46.53	18	95.8	F5	GC	12186	C -30 6855	
69	10.5	9.3W	47 27.818	-0.0021	21	-31 54 59.51	0.034	21	0.43	27.854	22	32.3	+ 0.12	21	32.3	K5	C7	4171	C -31 6581	
70	10.1	9.5W	47 36.845	-0.0034	21	-31 44 37.71	0.000	21	0.43	36.904	22	32.3	37.72	21	32.3	K2	C7	4172	C -31 6585	
71	7.7	7.8W	47 38.144	-0.0084	23	-36 46 33.42	0.009	23	0.37	38.258	15	36.3	33.55	21	36.3	F0	C8	3910	C -36 5070	
72	8.9	8.8W	47 40.199	0.0000	13	-37 45 33.10	0.003	13	0.26	40.198	15	36.3	33.14	21	36.3	A5	C8	3911	C -37 5161	
73	9.9	8.9W	47 41.230	0.0013	21	-34 39 45.86	-0.006	21	0.43	41.207	22	32.3	45.75	21	32.3	K5	C7	4173	C -34 5296	
74		9.2R	47 41.680	0.0019	17	-30 20 4.06	-0.015	17	0.32	41.648	16	33.2	3.81	16	33.2	A2	J 13B	5528	J -30 6862	
75	9.5	9.6W	47 42.300	-0.0007	13	-39 23 28.79	0.011	13	0.26	42.309	15	36.3	28.94	21	36.3	A5	C8	3912	C -39 4836	
76	7.8	8.2W	47 43.556	-0.0011	21	-32 40 53.69	0.008	21	0.43	43.576	22	32.3	53.83	21	32.3	B8	C7	4174	C -32 5766	
77	9.8	9.7W	47 44.410	-0.0031	21	-33 18 56.94	0.022	21	0.43	44.466	22	32.3	57.33	21	32.3	A2	C7	4175	C -33 5473	
78		5.2T	47 49.540	0.0004	07	-32 35 34.12	-0.050	06	0.30	49.521	12	07.2	31.78	12	02.8	G5	GC	12195	C*-32 5770	
79	10.3	9.0W	47 57.868	0.0012	21	-34 34 44.92	-0.026	21	0.43	57.847	22	32.3	44.45	21	32.3	K5	C7	4177	C -34 5301	
80	9.8	9.7W	47 58.778	-0.0101	21	-34 46 56.93	-0.010	21	0.43	58.957	22	32.3	56.75	21	32.3	F8	C7	4178	C -34 5302	
81	7.5	7.2W	47 58.936	-0.0111	06	-36 25 46.15	-0.001	06	0.20	59.087	15	36.3	46.14	21	36.3	F5	C8	3914	C -36 5072	
82		6.3T	47 58.942	-0.0073	06	-38 57 18.50	0.027	06	0.29	59.263	10	06.0	19.68	12	05.7	A2	GC	12203	C -38 4925	
83		8.3T	48 8.784	-0.0021	18	-34 2 32.49	0.011	18	0.86	8.881	22	04.6	33.01	22	04.2	B9	GC	12207	C -33 5479	
84	10.5	9.5W	48 9.447	-0.0015	10	-35 45 40.28	-0.010	10	0.23	9.467	15	36.3	40.14	21	36.3	K5	C8	3916	C -35 5095	
85		7.5T	48 10.456	-0.0004	16	-30 13 45.35	-0.003	13	0.75	10.475	18	01.2	45.19	19	98.0	A0	GC	12208	C -29 6827	
86	9.1	9.1W	48 13.652	-0.0027	14	-37 38 56.40	-0.012	14	0.26	13.688	15	36.3	56.24	21	36.3	A2	C8	3917	C -37 5170	
87	8.6	7.7W	48 15.789	-0.0021	07	-36 29 16.78	-0.010	07	0.21	15.817	15	36.3	16.64	21	36.3	K0	C8	3918	C -36 5077	
88	10.0	9.2W	48 16.576	-0.0053	09	-37 13 16.90	0.018	09	0.22	16.648	15	36.3	17.15	21	36.3	K0	L C8	3919	C -36 5078	
89	10.1	8.9W	48 17.916	-0.0046	09	-37 37 35.87	0.020	09	0.22	17.978	15	36.3	36.15	21	36.3	K2	L C8	3920	C -37 5172	
90		6.9T	48 25.234	-0.0019	10	-35 44 34.42	0.002	10	0.44	25.310	14	09.1	34.49	14	09.0	B9	GC	12217K	C*-35 5098	
91	8.1	8.5W	48 27.665	0.0005	09	-38 7 35.38	-0.003	09	0.22	27.658	15	36.3	35.35	21	36.3	B8	C8	3922	C -37 5173	
92	9.3	8.4W	48 40.245	-0.0000	21	-32 52 39.13	0.040	21	0.43	40.246	22	32.3	39.83	21	32.3	K2	C7	4181	C -32 5780	
93	9.4	7.8W	48 45.916	-0.0038	23	-36 44 46.40	-0.026	23	0.37	45.968	15	36.3	46.04	21	36.3	K5	C8	3923	C -36 5089	
94	9.2	9.0W	48 47.677	-0.0010	21	-33 2 33.74	-0.023	21	0.43	47.696	22	32.3	33.33	21	32.3	F8	C7	4182	C -32 5784	
95	10.6	10.2W	48 49.323	-0.0033	21	-30 29 0.16	0.024	21	0.43	49.382	22	32.3	0.58	21	32.3		C7	4183	C -30 6883	
96	9.5	7.9W	48 51.225	-0.0046	09	-37 6 3.15	-0.023	09	0.22	51.288	15	36.3	2.84	21	36.3	K2	C8	3924	C -36 5092	
97	9.1	8.9W	48 52.662	-0.0187	23	-36 39 28.96	0.050	23	0.37	52.918	15	36.3	29.65	21	36.3	F8	C8	3925	C -36 5094	
98	10.1	8.8W	48 56.239	-0.0020	21	-33 14 51.94	0.045	21	0.43	56.276	22	32.3	52.73	21	32.3	K5	C7	4184	C -32 5788	
99	8.7	8.9W	48 57.226	-0.0053	11	-36 55 55.18	0.004	11	0.24	57.298	15	36.3	55.24	21	36.3	A0	C8	3927	C -36 5095	
00	10.2		48 57.615	-0.0017	23	-38 20 12.20	-0.019	23	0.37	57.638	15	36.3	11.95	21	36.3	A3	L C8	3928	C -38 4938	

199700			EPOCH 1950							ORIGINAL EPOCH						SP.		SOURCE		-30° 8H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	10.6	9.9W	8 49 2.427	-0.0027	21	-31 43 34.01	0.034	21	0.43	2.474	22	32.3	34.62	21	32.3			C7	4185	C -31 6604
2		7.9T	49 5.007	0.0018	11	-34 13 55.24	0.002	12	0.62	4.916	18	98.7	55.36	18	98.1	B9		GC	12231	C -33 5495
3	9.9	10.4W	49 5.043	-0.0040	21	-30 44 3.93	0.049	21	0.43	5.114	22	32.3	4.80	21	32.3	B9	L	C7	4167	C -30 6893
4	10.2	9.2W	49 10.417	0.0006	21	-33 48 12.62	-0.004	21	0.43	10.496	22	32.3	12.54	21	32.3	K5		C7	4188	C -33 5497
5	10.2	9.4W	49 12.150	0.0009	21	-31 12 10.34	0.054	21	0.43	12.133	22	32.3	11.30	21	32.3	K5		C7	4189	C -30 6895
6	9.4	9.5W	49 17.599	-0.0024	21	-30 10 6.61	0.010	21	0.43	17.642	22	32.3	6.78	21	32.3	A3		C7	4190	C -29 6846
7	10.2	9.4W	49 17.873	-0.0018	13	-36 15 32.89	0.004	13	0.26	17.897	15	36.3	32.94	21	36.3	K5		C8	3929	C -35 5119
8		6.7T	49 19.395	-0.0012	14	-38 26 42.58	-0.019	11	0.68	19.454	21	00.3	41.53	19	95.7	B3		GC	12236	C* -38 4945
9	10.7	9.7W	49 25.025	0.0002	21	-30 26 20.07	-0.005	21	0.43	25.022	22	32.3	19.98	21	32.3			C7	4191	C -30 6901
10	7.3	7.7W	49 26.485	0.0003	06	-39 33 23.74	0.029	06	0.20	26.480	15	36.3	24.14	21	36.3	B8		C8	3931	C -39 4866
11	10.1	9.4W	49 34.788	-0.0014	13	-35 52 44.91	-0.020	13	0.26	34.807	15	36.3	44.64	21	36.3	K0		C8	3932	C -35 5125
12	8.1	8.1W	49 36.566	-0.0009	14	-37 17 29.65	0.021	14	0.26	36.578	15	36.3	29.94	21	36.3	F2		C8	3933	C -37 5193
13	7.9	8.3W	49 40.143	-0.0023	21	-30 57 19.58	0.069	21	0.43	40.184	22	32.3	20.80	21	32.3	A0		C7	4192	C -30 6904
14		8.7R	49 50.547	-0.0032	20	-30 0 4.91	0.083	20	0.37	50.601	16	33.2	6.30	16	33.2	F2	J	13B	5566	J -29 6861
15	10.1	9.5W	49 52.188	-0.0042	21	-30 6 20.02	0.015	21	0.43	52.262	22	32.3	20.28	21	32.3	G5	L	C7	4193	C -29 6862
16		9.2R	49 52.584	-0.0027	20	-30 40 8.74	0.032	20	0.37	52.629	16	33.2	9.28	16	33.2	G5	M	13B	5569	J -30 6908
17	10.3	9.4W	49 52.655	-0.0030	13	-35 10 58.26	0.013	13	0.26	52.696	15	36.3	58.44	21	36.3	K0		C8	3934	C -34 5340
18	9.3	8.6W	49 53.451	-0.0014	13	-39 48 49.29	-0.018	13	0.26	53.470	15	36.3	49.04	21	36.3	K0		C8	3935	C -39 4878
19	10.4	9.4W	50 3.527	-0.0013	21	-31 0 16.40	0.011	21	0.43	3.503	22	32.3	16.60	21	32.3	K2	L	C7	4194	C -30 6914
20	9.2	9.7W	50 5.150	-0.0028	18	-37 27 18.67	0.027	18	0.31	5.188	15	36.3	19.04	21	36.3	A0		C8	3936	C -37 5201
21	9.6	8.3W	50 7.960	-0.0014	13	-38 31 10.57	-0.024	13	0.26	7.979	15	36.3	10.24	21	36.3	K5		C8	3937	C -38 4963
22	9.5	8.7W	50 8.852	0.0011	09	-35 23 15.02	-0.013	09	0.22	8.836	15	36.3	14.84	21	36.3	K2		C8	3938	C -35 5137
23	9.5	8.9W	50 9.349	-0.0089	21	-35 1 49.65	0.033	21	0.43	9.506	22	32.3	50.24	21	32.3	K0		C7	4195	C -34 5344
24	10.0		50 10.713	-0.0069	13	-35 31 55.63	-0.021	13	0.26	10.807	15	36.3	55.34	21	36.3	A2		C8	3939	C -35 5138
25		9.1R	50 20.497	-0.0006	20	-30 26 20.68	-0.007	20	0.37	20.507	16	33.2	20.56	16	33.2			13B	5577	J -30 6919
26	9.4	8.6W	50 20.993	0.0009	13	-39 33 56.64	0.037	13	0.26	20.980	15	36.3	57.15	21	36.3	K0		C8	3940	C -39 4893
27	10.6	9.7W	50 23.226	0.0024	21	-31 25 46.01	0.022	21	0.43	23.184	22	32.3	46.40	21	32.3	K2	L	C7	4196	C -31 6641
28		6.5T	50 23.543	-0.0010	15	-32 19 11.18	-0.009	12	0.69	23.590	18	01.4	10.75	18	99.4	K2		GC	12262	C -32 5814
29	9.2	8.7W	50 28.198	-0.0003	21	-30 58 44.43	0.032	21	0.43	28.204	22	32.3	45.00	21	32.3	K2		C7	4198	C -30 6920
30	10.1		50 40.151	-0.0012	18	-35 53 46.27	-0.039	18	0.31	40.167	15	36.3	45.75	21	36.3	A0		C8	3941	C -35 5143
31		6.5T	50 41.115	-0.0017	13	-36 21 21.12	-0.020	10	0.63	41.201	18	00.8	20.04	18	97.1	+++		GC	12267	C* -36 5125
32	10.0	9.1W	50 44.582	-0.0013	21	-32 47 38.91	0.035	21	0.43	44.606	22	32.3	39.53	21	32.3	K2		C7	4199	C -32 5822
33	9.0	8.7W	50 45.099	-0.0032	21	-32 26 46.45	0.004	21	0.43	45.154	22	32.3	46.52	21	32.3	F8		C7	4200	C -32 5821
34	9.9	9.2W	50 46.100	0.0003	21	-32 9 22.89	-0.004	21	0.43	46.094	22	32.3	22.82	21	32.3	K2		C7	4201	C -31 6647
35	9.0	7.6W	50 46.887	-0.0033	21	-32 22 39.47	-0.003	21	0.43	46.944	22	32.3	39.42	21	32.3	K5		C7	4202	C -32 5823
36	9.2	8.5W	50 53.087	-0.0045	21	-34 51 27.32	-0.009	21	0.43	53.167	22	32.3	27.15	21	32.3	K0		C7	4203	C -34 5354
37		5.8T	50 53.340	-0.0006	08	-38 32 4.57	0.010	06	0.32	53.364	12	09.3	5.00	12	05.3	M0		GC	12274	C -38 4980
38	9.5	9.3W	50 54.035	-0.0017	13	-36 36 19.30	0.064	13	0.26	54.058	15	36.3	20.05	21	36.3	F8		C8	3944	C -36 5128
39	8.7	8.6W	50 55.092	-0.0027	10	-38 0 36.77	-0.039	10	0.23	55.128	15	36.3	36.24	21	36.3	F2		C8	3945	C* -37 5220
40	10.5	9.2W	50 56.314	-0.0024	21	-34 57 48.42	-0.032	21	0.43	56.357	22	32.3	47.85	21	32.3			C7	4204	C -34 5355
41	8.6	8.9W	50 59.731	-0.0020	09	-37 5 29.34	-0.029	09	0.22	59.758	15	36.3	28.94	21	36.3	A2		C8	3946	C -36 5131
42	9.4	9.6W	51 3.333	-0.0013	21	-34 11 11.78	0.015	21	0.43	3.356	22	32.3	12.04	21	32.3	A0		C7	4205	C -33 5531
43	8.7	8.9W	51 5.534	-0.0035	21	-35 3 4.15	0.016	21	0.43	5.596	22	32.3	4.44	21	32.3	A0		C7	4206	C -34 5356
44	9.6	8.6W	51 5.982	-0.0029	21	-31 2 8.21	-0.029	21	0.43	6.034	22	32.3	7.70	21	32.3	K2		C7	4207	C -30 6934
45	10.6	9.0W	51 8.542	-0.0012	09	-37 10 56.45	0.007	09	0.22	8.558	15	36.3	56.54	21	36.3	K5	L	C8	3947	C -36 5134
46	8.8	9.0W	51 10.665	-0.0034	21	-31 46 27.75	0.004	21	0.43	10.724	22	32.3	27.82	21	32.3	B9		C7	4208	C -31 6657
47	10.3	9.3W	51 12.985	-0.0029	21	-30 40 33.65	0.008	21	0.43	12.934	22	32.3	33.80	21	32.3			C7	4209	C -30 6938
48	10.1	9.2W	51 17.508	-0.0021	13	-35 28 44.34	-0.061	13	0.26	17.537	15	36.3	43.64	21	36.3	K0		C8	3948	C -35 5149
49	10.0	8.4W	51 18.829	-0.0027	09	-35 17 22.35	-0.008	09	0.22	18.866	15	36.3	22.24	21	36.3	K5		C8	3949	C -35 5150
50			51 25.693	-0.0025	21	-34 37 44.43	-0.021	21	0.43	25.737	22	32.3	44.05	21	32.3	K2		C7	4210V	C* -34 5361
51	9.6	9.4W	8 51 40.320	-0.0018	21	-30 18 29.55	0.064	21	0.43	40.352	22	32.3	30.68	21	32.3	F5		C7	4211	C -30 6946
52	10.2	9.6W	51 42.024	-0.0007	21	-34 11 55.56	-0.001	21	0.43	42.036	22	32.3	55.54	21	32.3	K0		C7	4212	C -33 5541
53	8.7	9.0W	51 43.824	-0.0018	23	-36 43 11.87	-0.075	23	0.37	43.848	15	36.3	10.85	21	36.3	A0		C8	3951	C -36 5145
54	8.4	8.3W	51 44.960	-0.0057	13	-35 49 41.43	-0.014	13	0.26	45.037	15	36.3	41.24	21	36.3	F2		C8	3952	C -35 5156
55	9.4	9.5W	51 46.413	-0.0047	21	-33 35 23.39	0.037	21	0.43	46.496	22	32.3	24.04	21	32.3	A0		C7	4213	C -33 5545
56	9.7	9.7W	51 47.115	0.0001	21	-31 10 9.45	0.014	21	0.43	47.114	22	32.3	9.70	21	32.3	F0	L	C7	4214	C -30 6949
57	9.1	8.6W	51 50.412	-0.0081	21	-32 55 50.52	0.029	21	0.43	50.556	22	32.3	51.03	21	32.3	K0		C7	4215	C -32 5840
58	8.7	9.2W	51 56.380	-0.0021	10	-38 22 51.06	-0.009	10	0.23	56.408	15	36.3	50.94	21	36.3	B9		C8	3954	C -38 5001
59	8.6	8.4W	51 58.091	-0.0020	18	-38 31 19.73	-0.021	18	0.31	58.119	15	36.3	19.44	21	36.3	F8		C8	3956	C -38 5004
60	10.1	8.6W	52 0.865	-0.0023	13	-35 17 56.56	0.006	13	0.26	0.896	15	36.3	56.65	21	36.3	K5		C8	3957	C -35 5160
61	9.0	8.1W	52 2.017	-0.0004	21	-31 3 11.78	-0.006	21	0.43	2.024	22	32.3	11.70	21	32.3	K2		C7	4216	C -30 6950
62	9.0	9.0W	52 2.367	-0.0028	21	-34 38 3.40	-0.008	21	0.43	2.417	22	32.3	3.25	21	32.3	A0		C7	4217	C -34 5374
63	7.6	7.4W	52 2.465	-0.0067	08	-35 27 42.99	0.113	08	0.21	2.556	15	36.3	44.54	21	36.3	F5		C8	3958	C -35 5161
64	10.0	9.9W	52 6.403	-0.0077	18	-38 0 16.55	-0.004	18	0.31	6.508	15	36.3	16.44	21	36.3	G0	L	C8	3959	C -37 5241
65		7.2T	52 6.685	-0.0044	12	-31 57 54.08	0.024	12	0.63	6.908	17	99.0	55.34	18	98.6	K0		GC	12312	C* -31 6677
66	9.5	9.2W	52 10.540	-0.0031	21	-31 41 38.74	-0.007	21	0.43	10.594	22	32.3	38.62	21	32.3	F8		C7	4219	C -31 6679
67	10.0	9.6W	52 11.876	-0.0020	21	-30 10 13.26	-0.010	21	0.43	11.912	22	32.3	13.08	21	32.3	G5	L	C7	4220	C -29 6923
68	10.3	9.8W	52 13.160	-0.0001	21	-30 24 33.29	0.028	21	0.43	13.162	22	32.3	33.78	21	32.3			C7	4221	C -30 6955
69	9.6	8.9W	52 21.076	-0.0052	23	-35 58 43.16	0.028	23	0.37	21.147	15	36.3	43.55	21	36.3	K0		C8	3960	C -35 5167
70	9.0	9.4W	52 21.931	-0.0063	23	-35 32 7.65	0.032	23	0.37	22.017	15	36.3	8.04	21	36.3	A0		C8	3961	C -35 5166
71	9.0	9.3W	52 24.381	-0.0026	06	-35 13 16.24	-0.015	06	0.20	24.416	15	36.3	16.04	21	36.3	A3		C8	3962	C -34 5380
72	9.8		52 25.305	-0.0005	18	-36 50 13.78	0.019	18	0.31	25.298	15	36.3	14.04	21	36.3	A0		C8	3963	C -36 5160
73	9.0	8.3W	52 37.402	0.0038	13	-38 36 15.24	-0.022	13	0.26	37.349	15	36.3	14.95	21	36.3	K0		C8	3964	C -38 5019
74	8.9	9.3W	52 44.382	-0.0033	08	-35 49 13.99	-0.018	08	0.21	44.427	15	36.3	13.75	21	36.3	A0		C8	3965	C -35 5172
75	9.0	8.0W	52 46.308	-0.0072	06	-35 18 43.68	0.041	06	0.20	46.406	15	36.3	44.24	21	36.3	K2		C8	3966	C -35 5173
76	8.7	8.0W	52 46.707	-0.0024	13	-39 17 29.34	0.022	13	0.26	46.739	15	36.3	29.64	21	36.3	K0		C8	3967	C -39 4937
77	10.3	9.4W	52 52.287	-0.0050	21	-33 19 19.24	0.045	21	0.43	52.376	22	32.3	20.03	21	32.3	K5		C7	4222	C -33 5561
78	8.4	7.4W	52 53.796	-0.0001	10	-35 51 53.93	-0.080	10	0.23	53.797	15	36.3	52.84	21	36.3	K0		C8	3968	C -35 5175
79	9.5	7.9W	52 54.059	-0.0007	13	-38 12 46.80	-0.012	13	0.26	54.068	15	36.3	46.64	21	36.3	K5		C8	3969	C -37 5253
80		7.3T	53 0.534	-0.0008	13	-33 57 2.55	-0.073	11	0.66	0.576	19	00.2	58.66	19	96.4	K0		GC	12333	C -33 5565
81	8.7	8.5W	53 2.962	-0.0013	21	-33 13 58.36	-0.007	21	0.43	2.986	22	32.3	58.23	21	32.3	F2		C7	4224	C -32 5859
82	10.0		53 4.404	-0.0003	18	-36 2 5.03	0.008	18	0.31	4.407	15	36.3	5.14	21	36.3	A0		C8	3970	C -35 5181
83	10.0		53 4.977	-0.0036	23	-35 13 45.62	-0.086	23	0.37	5.026	15	36.3	44.44	21	36.3	A0		C8	3971	C -34 5393
84	8.9	8.0W	53 6.672	-0.0020	13	-39 35 41.16	-0.016	13	0.26	6.700	15	36.3	40.94	21	36.3	K2		C8	3972	C -39 4948
85	10.4	8.9W	53 12.312	-0.0036	21	-34 16 39.90	0.031	21	0.43	12.376	22	32.3	40.44	21	32.3			C7	4225	C -33 5567
86	9.0	8.6W	53 13.735	-0.0002	10	-39 14 6.04	-0.073	10	0.23	13.739	15	36.3	5.04	21	36.3	F8		C8	3973	C -38 5032
87	9.1	8.1W	53 16.910	-0.0002	21	-30 49 41.97	0.007	21	0.43	16.914	22	32.3	42.10	21	32.3	K2		C7	4226	C -30 6980
88	9.7	8.9W	53 17.370	-0.0020	07	-36 14 41.89	-0.033	07	0.21	17.395	15	36.3	41.44	21	36.3	K0		C8	3974	C -35 5186
89	8.5	7.2W	53 22.893	-0.0004	18	-38 8 9.52	0.038	18	0.31	22.898	15	36.3	10.04	21	36.3	K2		C8	3975	C -37 5260
90		7.0T	53 23.397	-0.0008	12	-33 12 35.27	-0.003	12	0.66	23.436	18	98.2	35.13	19	97.6	F0		GC	12344	C -32 5869
91	9.2	8.5W	53 23.434	-0.0046	21	-34 23 20.86	0.050	21	0.43	23.516	22	32.3	21.74	21	32.3	K0		C7	4228	C -34 5397
92	9.6	9.4W	53 26.813	-0.0018	21	-31 53 17.79	-0.010	21	0.43	26.844	22	32.3	17.62	21	32.3	F5		C7	4229	C -31 6698
93	9.1	8.4W	53 29.633	-0.0033	13	-36 37 13.33	0.023	13	0.26	29.678	15	36.3	13.65	21	36.3	K0		C8	3976	C -36 5178
94	9.0	8.2W	53 30.733	-0.0006	21	-31 5 47.58	0.001	21	0.43	30.744	22	32.3	47.60	21	32.3	G5		C7	4230	C -30 6986
95	9.0	8.2W	53 31.559	-0.0014	21	-30 59 50.53	-0.019	21	0.43	31.584	22	32.3	50.20	21	32.3	K0		C7	4231	C -30 6988
96	8.2	8.4W	53 32.266	-0.0020	21	-30 19 53.30	0.005	21	0.43	32.302	22	32.3	53.38	21	32.3	A2		C7	4232	C -30 6987
97	9.3	8.6W	53 39.127	-0.0016	21	-31 59 15.41	-0.017	21	0.43	39.154	22	32.3	15.12	21	32.3	K0		C7	4233	C -31 6702
98		9.1R	53 42.244	-0.0001	17	-30 2 4.77	-0.021	17	0.32	42.246	16	33.2	4.42	16	33.2	K	M	13B	5637	J -29 6945
99		7.5T	53 46.972	-0.0006	12	-34 4 36.61	-0.014	11	0.62	47.004	18	99.6	35.88	18	96.8	B5		GC	12355	C -33 5577
00	9.2	9.6W	53 54.989	-0.0007	13	-38 49 24.35	0.007	13	0.26	54.999	15	36.3	24.44	21	36.3	B9		C8	3977	C -38 5050

199800			EPOCH 1950							ORIGINAL EPOCH							SP.	SOURCE		-30° 8H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	9.2	9.4W	8 53 56.180	-0.0021	13	-37 13 16.46	-0.045	13	0.26	56.208	15	36.3	15.85	21	36.3	A2		C8	3978	C -36 5185
2	9.9	9.6W	54 20.733	-0.0018	21	-33 0 23.36	-0.024	21	0.43	20.766	22	32.3	22.93	21	32.3	F2		C7	4235	C -32 5892
3		6.8T	54 23.060	-0.0165	08	-36 55 46.19	-0.010	08	0.35	23.762	10	07.4	45.77	12	08.7	G0		GC	12369	C -36 5192
4	9.2	9.1W	54 27.658	-0.0002	13	-39 33 39.19	0.004	13	0.26	27.660	15	36.3	39.24	21	36.3	F8		C8	3981	C -39 4978
5	8.3	8.5W	54 27.816	-0.0032	13	-38 53 48.85	-0.001	13	0.26	27.859	15	36.3	48.84	21	36.3	A2		C8	3982	C -38 5057
6	9.9	8.8W	54 29.258	-0.0044	07	-36 46 10.00	0.025	07	0.21	29.318	15	36.3	10.34	21	36.3	K5		C8	3983	C -36 5194
7		9.2R	54 30.236	-0.0020	20	-30 13 23.59	-0.017	20	0.37	30.269	16	33.2	23.31	16	33.2	A2	M 13B	5649	J -29 6960	
8	8.7	8.9W	54 30.412	-0.0013	18	-39 5 21.87	0.005	18	0.31	30.429	15	36.3	21.94	21	36.3	A0		C8	3984	C -38 5058
9	9.6	9.4W	54 35.791	-0.0007	21	-30 42 32.27	-0.027	21	0.43	35.804	22	32.3	31.80	21	32.3	F5		C7	4236	C -30 7007
10	9.6	8.8W	54 38.543	-0.0036	21	-34 47 54.69	0.015	21	0.43	38.607	22	32.3	54.95	21	32.3	K0		C7	4237	C -34 5417
11	9.0	8.7W	54 43.668	-0.0004	21	-31 53 19.69	0.007	21	0.43	43.674	22	32.3	19.82	21	32.3	F0		C7	4238	C*-31 6722
12	9.4	8.4W	54 43.810	-0.0008	21	-30 30 41.35	0.025	21	0.43	43.823	22	32.3	41.80	21	32.3	K2		C7	4239	C -30 7013
13	8.9	8.2W	54 50.380	-0.0021	07	-36 47 5.37	0.005	07	0.21	50.408	15	36.3	5.44	21	36.3	K0		C8	3985	C -36 5200
14	9.4	9.2W	54 51.910	-0.0002	09	-36 21 25.33	-0.050	09	0.22	51.907	15	36.3	24.65	21	36.3	F0		C8	3986	C -36 5201
15	9.9	8.8W	54 53.439	-0.0007	13	-39 26 54.80	0.025	13	0.26	53.449	15	36.3	55.15	21	36.3	K5		C8	3987	C -39 4987
16	9.4	9.4W	54 54.572	-0.0007	21	-32 21 16.39	-0.044	21	0.43	54.584	22	32.3	15.62	21	32.3	A0		C7	4240	C -32 5901
17	10.1	9.9W	55 0.958	-0.0019	21	-31 41 35.58	0.047	21	0.43	0.924	22	32.3	36.42	21	32.3	G2	L C7	4241	C -31 6728	
18	9.7	9.6W	55 2.224	-0.0041	21	-34 41 29.69	0.015	21	0.43	2.297	22	32.3	29.95	21	32.3	F0		C7	4242	C -34 5424
19	9.1	9.3W	55 5.490	-0.0037	21	-33 59 23.02	-0.021	21	0.43	5.556	22	32.3	22.64	21	32.3	A0		C7	4243	C -33 5603
20	10.0	9.3W	55 6.888	0.0002	21	-33 20 43.27	-0.002	21	0.43	6.886	22	32.3	43.23	21	32.3	K0		C7	4244	C -33 5602
21	9.6	10.0W	55 12.227	-0.0002	13	-39 12 38.68	0.041	13	0.26	12.229	15	36.3	39.24	21	36.3	A3		C8	3988	C -38 5073
22	10.3	9.0W	55 12.551	-0.0025	21	-33 26 4.14	-0.023	21	0.43	12.595	22	32.3	3.73	21	32.3	K5		C7	4245	C -33 5605
23	9.3	9.6W	55 20.843	-0.0012	21	-31 16 23.82	0.044	21	0.43	20.864	22	32.3	24.60	21	32.3	A0		C7	4246	C -30 7027
24	9.8	9.6W	55 22.505	-0.0017	13	-37 38 50.66	0.013	13	0.26	22.528	15	36.3	50.84	21	36.3	G0		C8	3989	C -37 5305
25	10.1		55 23.962	-0.0012	18	-37 25 36.90	0.010	18	0.31	23.978	15	36.3	37.04	21	36.3	A3	L C8	3990	C -37 5304	
26	11.1	10.0W	55 45.094	0.0000	21	-30 55 49.67	0.024	21	0.43	45.094	22	32.3	50.10	21	32.3		C7	4247	C -30 7035	
27	9.5	9.2W	55 48.170	-0.0015	21	-34 42 50.25	-0.045	21	0.43	48.197	22	32.3	49.45	21	32.3	F5		C7	4248	C -34 5434
28	9.7	8.3W	55 48.270	-0.0002	21	-31 28 35.28	-0.039	21	0.43	48.273	22	32.3	34.60	21	32.3	MA		C7	4249	C -31 6744
29	7.1	7.7W	55 48.365	-0.0002	09	-38 32 55.33	0.001	09	0.22	48.369	15	36.3	55.34	21	36.3	B9		C8	3993	C -38 5084
30	8.7	8.7W	55 49.074	-0.0032	06	-35 48 6.97	-0.017	06	0.20	49.117	15	36.3	6.74	21	36.3	A5		C8	3994	C -35 5227
31	9.8	8.3W	56 1.446	-0.0002	13	-37 31 20.75	-0.030	13	0.26	1.448	15	36.3	20.34	21	36.3	K0		C8	3995	C -37 5320
32	8.8	8.7W	56 3.034	-0.0005	13	-39 53 31.00	0.025	13	0.26	3.040	15	36.3	31.34	21	36.3	F0		C8	3996	C -39 5007
33	10.1	10.2W	56 5.429	-0.0025	21	-31 15 41.18	-0.022	21	0.43	5.473	22	32.3	40.80	21	32.3	A0	L C7	4250	C -30 7040	
34	8.3	8.3W	56 8.082	-0.0035	21	-30 46 23.08	0.080	21	0.43	8.144	22	32.3	24.50	21	32.3	F5		C7	4251	C -30 7041
35	9.9	8.8W	56 13.055	-0.0006	21	-33 34 47.55	-0.012	21	0.43	13.066	22	32.3	47.34	21	32.3	K2		C7	4252	C -33 5617
36	8.5	8.8W	56 13.792	-0.0025	21	-34 12 51.73	0.001	21	0.43	13.836	22	32.3	51.74	21	32.3	B9		C7	4253	C -33 5618
37	8.9	8.9W	56 14.285	-0.0034	21	-32 5 8.56	-0.014	21	0.43	14.344	22	32.3	8.32	21	32.3	A2		C7	4254	C -31 6752
38	8.3	7.9W	56 16.856	-0.0039	21	-31 56 48.94	-0.041	21	0.43	16.924	22	32.3	48.22	21	32.3	F5		C7	4255	C -31 6753
39	10.2	8.7W	56 20.368	-0.0028	13	-35 14 35.89	-0.033	13	0.26	20.426	15	36.3	35.44	21	36.3	K5		C8	3997	C -34 5444
40		9.0R	56 27.518	-0.0026	20	-30 10 35.09	0.036	20	0.37	27.561	16	33.2	35.69	16	33.2	K0	M 13B	5680	J -29 6988	
41	10.1	9.6W	56 34.756	-0.0017	18	-38 31 11.42	-0.006	18	0.31	34.779	15	36.3	11.34	21	36.3	K0		C8	3998	C -38 5094
42	10.5	9.6W	56 37.253	-0.0084	13	-37 17 15.28	-0.010	13	0.26	37.368	15	36.3	15.15	21	36.3	K0	L C8	3999	C -36 5227	
43	9.6	9.5W	56 39.096	-0.0020	21	-30 11 52.63	0.020	21	0.43	39.132	22	32.3	52.98	21	32.3	F5	L C7	4256	C -29 6992	
44	9.2	9.0W	56 40.064	-0.0010	13	-36 26 57.51	-0.027	13	0.26	40.077	15	36.3	57.14	21	36.3	F0		C8	4000	C -36 5229
45	9.7	9.6W	56 40.399	0.0002	21	-33 37 10.99	-0.014	21	0.43	40.396	22	32.3	10.74	21	32.3	A3		C7	4257	C -33 5625
46	7.8	8.1W	56 40.970	-0.0008	21	-31 2 58.53	-0.019	21	0.43	40.984	22	32.3	58.20	21	32.3	A0		C7	4258	C -30 7044
47		7.6T	56 42.913	-0.0005	11	-31 46 14.92	-0.022	12	0.63	42.931	18	98.7	13.83	18	99.3	A0		GC	12422	C -31 6760
48	10.0	9.0W	56 48.476	0.0019	13	-38 56 14.18	-0.010	13	0.26	48.449	15	36.3	14.04	21	36.3	K0		C8	4001	C -38 5101
49		9.2R	56 49.602	0.0007	20	-30 3 8.01	-0.009	20	0.37	49.591	16	33.2	7.86	16	33.2	K	M 13B	5690	J -29 6996	
50	8.5	8.6W	56 53.573	-0.0032	13	-35 25 46.78	-0.054	13	0.26	53.616	15	36.3	46.04	21	36.3	A5		C8	4002	C -35 5251
51	10.0	9.4W	8 56 55.417	-0.0101	21	-33 48 40.15	-0.057	21	0.43	55.596	22	32.3	39.14	21	32.3	K2		C7	4260	C -33 5628
52	9.8	9.9W	56 57.093	0.0010	21	-32 15 42.67	-0.020	21	0.43	57.074	22	32.3	42.32	21	32.3	A3		C7	4261	C -31 6763
53	10.0	9.6W	57 3.095	0.0030	21	-30 20 10.87	0.018	21	0.43	3.042	22	32.3	11.18	21	32.3	G2	L C7	4262	C -30 7052	
54	9.3	9.2W	57 8.357	-0.0010	21	-32 54 35.95	-0.035	21	0.43	8.376	22	32.3	35.33	21	32.3	F0		C7	4263	C -32 5940
55	9.6	9.5W	57 13.890	-0.0063	21	-30 26 29.93	0.020	21	0.43	14.002	22	32.3	30.28	21	32.3	G0	L C7	4264	C -30 7056	
56	9.6	8.8W	57 14.213	-0.0001	21	-32 56 6.23	0.006	21	0.43	14.216	22	32.3	6.33	21	32.3	K2		C7	4265	C -32 5943
57	8.7	8.6W	57 15.008	-0.0037	09	-38 1 58.74	0.044	09	0.22	15.058	15	36.3	59.34	21	36.3	A5		C8	4003	C -37 5334
58	9.3	8.9W	57 16.919	-0.0092	21	-35 6 52.75	-0.035	21	0.43	16.756	22	32.3	52.14	21	32.3	G5		C7	4266	C -34 5459
59	9.2	8.6W	57 30.368	-0.0030	13	-37 53 39.20	-0.012	13	0.26	30.408	15	36.3	39.04	21	36.3	K0		C8	4004	C -37 5342
60	8.4	8.7W	57 31.060	-0.0013	06	-36 11 12.42	0.009	06	0.20	31.077	15	36.3	12.54	21	36.3	A2		C8	4005	C -35 5257
61	9.8	8.4W	57 33.859	-0.0036	13	-36 50 30.60	-0.019	13	0.26	33.908	15	36.3	30.34	21	36.3	K5		C8	4006	C -36 5239
62	10.0	8.9W	57 34.226	-0.0010	21	-31 10 36.25	0.014	21	0.43	34.244	22	32.3	36.50	21	32.3	K5		C7	4267	C -30 7063
63	8.7	8.6W	57 41.205	-0.0025	15	-39 1 32.56	-0.060	15	0.27	41.239	15	36.3	31.74	21	36.3	A3		C8	4007	C -38 5113
64	9.4	8.5W	57 42.911	-0.0025	21	-33 7 2.92	-0.005	21	0.43	42.955	22	32.3	2.83	21	32.3	K0		C7	4268	C -32 5949
65	8.9	9.0W	57 45.247	-0.0022	21	-33 53 16.64	-0.028	21	0.43	45.286	22	32.3	16.14	21	32.3	A0		C7	4269	C -33 5637
66	10.5	9.8W	57 48.547	-0.0034	21	-34 33 16.10	0.037	21	0.43	48.607	22	32.3	16.75	21	32.3	K0	L C7	4270	C -34 5467	
67	8.7	8.9W	57 53.820	-0.0021	07	-37 5 29.09	-0.011	07	0.21	53.848	15	36.3	28.94	21	36.3	A0		C8	4008	C -36 5247
68	9.7	9.9W	57 55.104	-0.0011	13	-38 23 4.27	-0.002	13	0.26	55.116	15	36.3	4.24	21	36.3	A3		C8	4009	C -38 5119
69	10.0	8.7W	57 58.934	-0.0039	13	-36 24 48.67	-0.002	13	0.26	58.987	15	36.3	48.65	21	36.3	K5		C8	4010	C -36 5248
70	9.3	8.4W	57 59.371	-0.0025	21	-33 7 39.77	0.026	21	0.43	59.416	22	32.3	40.23	21	32.3	K2		C7	4271	C -32 5954
71	10.0	9.0W	57 59.707	-0.0015	21	-30 30 41.28	0.052	21	0.43	59.734	22	32.3	42.20	21	32.3			C7	4272	C -30 7070
72	9.1	9.2W	58 3.929	-0.0032	21	-34 4 34.05	-0.006	21	0.43	3.986	22	32.3	33.94	21	32.3	A2		C7	4273	C -33 5642
73	10.3	9.4W	58 18.854	0.0025	13	-39 27 52.26	0.028	13	0.26	18.819	15	36.3	52.64	21	36.3	K0		C8	4011	C -39 5051
74	9.7	9.5W	58 24.548	-0.0021	21	-32 12 47.49	-0.027	21	0.43	24.584	22	32.3	47.02	21	32.3	F2		C7	4274	C -31 6786
75	9.8	9.8W	58 25.348	-0.0009	21	-31 28 57.96	0.002	21	0.43	25.364	22	32.3	58.00	21	32.3	A5		C7	4275	C -31 6785
76	9.3	9.0W	58 28.930	-0.0080	09	-39 16 27.70	0.061	09	0.22	29.039	15	36.3	28.54	21	36.3	G5		C8	4012	C -38 5127
77		9.0R	58 29.708	-0.0014	12	-30 33 3.86	-0.010	12	0.26	29.732	16	33.2	3.69	16	33.2	K	M 13B	5712	J -30 7079	
78	9.3	9.7W	58 35.249	-0.0028	13	-35 54 6.80	-0.004	13	0.26	35.287	15	36.3	6.74	21	36.3	A0		C8	4013	C -35 5272
79	10.3	9.2W	58 36.247	-0.0004	21	-30 49 20.03	0.026	21	0.43	36.253	22	32.3	20.50	21	32.3	K2	L C7	4276	C -30 7082	
80	10.6	9.3W	58 41.340	0.0003	21	-32 6 32.00	-0.005	21	0.43	41.334	22	32.3	31.92	21	32.3			C7	4277	C -31 6792
81		7.0T	58 45.798	-0.0006	15	-38 13 22.11	0.009	11	0.69	45.826	22	02.5	22.57	21	96.9	B5		GC	12470	C*-37 5360
82	9.3	8.5W	58 47.713	-0.0030	21	-34 22 12.49	0.037	21	0.43	47.766	22	32.3	13.14	21	32.3	K0		C7	4278	C -34 5483
83	10.5	9.5W	58 52.055	-0.0034	21	-32 55 32.25	-0.012	21	0.43	52.116	22	32.3	32.03	21	32.3	K	L C7	4279	C -32 5967	
84	10.1	9.4W	58 54.324	-0.0041	21	-34 17 41.14	-0.000	21	0.43	54.396	22	32.3	41.14	21	32.3	K2	C7	4280	C -34 5486	
85	10.5	9.5W	58 59.773	-0.0001	21	-32 39 48.32	-0.005	21	0.43	59.776	22	32.3	48.23	21	32.3	K2	L C7	4281	C -32 5973	
86	9.4	9.0W	59 8.749	-0.0153	18	-37 34 32.81	0.112	18	0.31	8.958	15	36.3	34.34	21	36.3	G5		C8	4017	C -37 5368
87	9.8	10.0W	59 9.487	-0.0046	18	-38 54 17.09	-0.011	18	0.31	9.549	15	36.3	16.94	21	36.3	A2		C8	4018	C -38 5137
88	8.7	7.5W	59 13.842	-0.0035	09	-38 43 16.09	0.033	09	0.22	13.889	15	36.3	16.54	21	36.3	K2		C8	4019	C -38 5139
89	9.6	8.2W	59 18.667	-0.0015	21	-30 30 34.85	-0.009	21	0.43	18.694	22	32.3	34.70	21	32.3	K2		C7	4282	C -30 7093
90		9.0R	59 20.892	0.0032	17	-30 31 8.48	-0.008	17	0.32	20.838	16	33.2	8.34	16	33.2	K0	J 13B	5728	J -30 7094	
91	9.0	7.9W	59 25.216	-0.0044	13	-35 13 49.25	-0.001	13	0.26	25.276	15	36.3	49.24	21	36.3	K2		C8	4020	C -34 5495
92	9.2	9.6W	59 35.392	-0.0004	13	-35 52 25.71	-0.027	13	0.26	35.397	15	36.3	25.34	21	36.3	A2		C8	4021	C -35 5282
93	8.9	8.6W	59 36.400	-0.0138	13	-37 53 13.91	0.163	13	0.26	36.588	15	36.3	16.14	21	36.3	G0		C8	4022	C -37 5376
94		9.2R	59 36.588	-0.0029	20	-30 2 59.90	0.029	20	0.37	36.636	16	33.2	+ 0.38	16	33.2	G5	M 13B	5729	J -29 7046	
95	8.8	9.0W	59 47.238	-0.0021	13	-35 26 19.48	-0.025	13	0.26	47.266	15	36.3	19.14	21	36.3	B9		C8	4023	C -35 5285
96	9.5	9.4W	59 52.678	-0.0015	13	-37 59 12.05	-0.008	13	0.26	52.698	15	36.3	11.94	21	36.3	A2		C8	4024	C -37 5382
97	10.0	9.8W	59 54.107	-0.0032	21	-31 13 31.90	0.062	21	0.43	54.164	22	32.3	33.00	21	32.3	F2	L C7	4283	C -30 7106	
98	7.5	7.7W	9 0 1.850	-0.0027	13	-35 29 26.70	0.032	13	0.26	1.886	15	36.3	27.14	21	36.3	B9		C8	4026	C -35 5289
99	8.5	8.7W	0 2.267	-0.0001	13	-36 40 31.49	0.004	13	0.26	2.268	15	36.3	31.54	21	36.3	A0		C8	4027	C -36 5282
00	8.8	8.5W	0 2.575	-0.0011	13	-38 38 23.20	-0.019	13	0.26	2.589	15	36.3	22.94	21	36.3	G0		C8	4028	C -38 5149

199900 — EPOCH 1950 — ORIGINAL EPOCH — -30° 9H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.5	9.7W	9 0 4.074	0.0003	10	-39 15 13.40	-0.004	10	0.23	4.069	15	36.3	13.34	21	36.3	B9	C8	4029	C -38 5151
2		6.3T	0 11.319	-0.0037	07	-39 12 17.55	0.020	07	0.44	11.546	18	68.4	18.65	15	94.1	K0	GC	12500	C -38 5154
3		9.1R	0 13.200	-0.0015	13	-30 42 34.43	0.045	13	0.27	13.225	15	33.2	35.18	16	33.2	G5 M	138	5741	J -30 7113
4	10.1	9.1W	0 14.977	-0.0015	21	-31 18 21.99	0.006	21	0.43	15.003	22	32.3	22.10	21	32.3	G5 L	C7	4284	C -31 6822
5	9.9	8.8W	0 17.658	-0.0044	13	-36 48 13.49	-0.011	13	0.26	17.718	15	36.3	13.34	21	36.3	K5	C8	4031	C -36 5291
6	8.1	8.2W	0 23.891	-0.0014	21	-34 2 51.14	-0.000	21	0.43	23.916	22	32.3	51.14	21	32.3	A2	C7	4285	C -33 5686
7	9.2	9.0W	0 25.400	-0.0161	21	-32 5 30.46	0.026	21	0.43	25.684	22	32.3	30.92	21	32.3	F2	C7	4286	C -31 6828
8	8.0	7.8W	0 29.030	-0.0008	21	-30 49 9.34	0.009	21	0.43	29.044	22	32.3	9.30	21	32.3	A2	C7	4287	C -30 7117
9	10.2	10.1W	0 31.597	-0.0067	13	-36 38 56.75	-0.001	13	0.26	31.688	15	36.3	56.74	21	36.3	G5	C8	4032	C -36 5294
10	10.0	9.1W	0 32.967	-0.0030	13	-36 20 38.33	0.001	13	0.26	33.007	15	36.3	38.34	21	36.3	K0	C8	4033	C -36 5296
11	8.7	9.1W	0 34.842	-0.0041	18	-37 44 6.11	0.017	18	0.31	34.898	15	36.3	6.34	21	36.3	A0	C8	4034	C -37 5304
12	9.6	9.3W	0 39.533	-0.0042	21	-34 36 54.32	0.002	21	0.43	39.607	22	32.3	54.35	21	32.3	A3	C7	4288	C -34 5317
13	9.1	9.4W	0 40.536	-0.0001	09	-35 42 7.61	-0.012	09	0.22	40.537	15	36.3	7.45	21	36.3	A	C8	4035	C -35 5299
14	10.0	9.1W	0 40.552	0.0002	08	-39 27 21.36	-0.009	08	0.21	40.549	15	36.3	21.24	21	36.3	K0	C8	4036	C -39 5097
15	9.1	9.5W	0 42.114	-0.0017	13	-35 41 4.36	-0.009	13	0.26	42.157	15	36.3	4.24	21	36.3	A	C8	4037	C -35 5300
16	8.9	8.7W	0 47.541	-0.0036	21	-31 42 0.11	0.040	21	0.43	47.604	22	32.3	0.82	21	32.3	F2	C7	4289	C -31 6833
17		6.9T	0 47.823	-0.0018	11	-32 14 29.40	-0.002	12	0.62	47.915	17	98.2	29.32	17	99.0	B9	GC	12515	C*-31 6835
18	10.1	9.2W	1 4.201	-0.0019	21	-32 27 5.19	-0.004	21	0.43	4.234	22	32.3	5.12	21	32.3	K2	C7	4291	C -32 6007
19	9.9	9.9W	1 6.080	0.0017	13	-35 24 34.67	-0.002	13	0.26	6.056	15	36.3	34.64	21	36.3	F5 L	C8	4038	C -35 5311
20	9.0	8.9W	1 6.457	-0.0037	07	-36 25 32.67	0.012	07	0.21	6.507	15	36.3	32.84	21	36.3	A2	C8	4039	C -36 5308
21	9.1	9.1W	1 11.044	-0.0035	21	-34 23 41.94	0.006	21	0.43	11.106	22	32.3	42.04	21	32.3	A3	C7	4292	C -34 5526
22	9.2	7.6W	1 12.962	-0.0005	09	-38 24 38.80	-0.026	09	0.22	12.968	15	36.3	38.44	21	36.3	MA	C8	4040	C -38 5172
23	9.1	9.0W	1 13.369	-0.0025	21	-30 55 18.77	0.041	21	0.43	13.413	22	32.3	19.50	21	32.3	A2	C7	4293	C -30 7126
24		6.7T	1 13.404	-0.0014	17	-33 24 7.63	-0.025	13	0.76	13.469	18	02.5	6.40	18	99.9	A0	GC	12520K	C -33 5698
25		8.6T	1 13.902	-0.0014	17	-33 24 20.88	-0.038	15	0.80	13.967	19	02.4	19.02	21	00.6	A	GC	12521K	C -33 5699
26	8.5	7.7W	1 16.046	-0.0002	09	-38 26 55.27	-0.002	09	0.22	16.048	15	36.3	55.24	21	36.3	K0	C8	4041	C -38 5174
27	9.3	8.7W	1 18.138	-0.0033	21	-34 0 7.75	-0.034	21	0.43	18.196	22	32.3	7.14	21	32.3	G5	C7	4295	C -33 5700
28	9.6	8.9W	1 20.886	-0.0009	13	-37 9 9.97	-0.027	13	0.26	20.898	15	36.3	10.34	21	36.3	G5	C8	4042	C -36 5313
29	9.4	9.8W	1 21.462	-0.0099	23	-36 11 6.45	-0.037	23	0.37	21.597	15	36.3	5.94	21	36.3	A0	C8	4043	C -35 5318
30	9.2	9.4W	1 22.510	-0.0020	09	-36 18 32.15	0.007	09	0.22	22.537	15	36.3	32.24	21	36.3	A0	C8	4044	C -36 5312
31	10.4	9.4W	1 22.574	-0.0025	18	-38 12 36.20	0.010	18	0.31	22.608	15	36.3	36.34	21	36.3	G5	C8	4045	C -37 5410
32	9.0	8.4W	1 30.223	-0.0011	13	-36 27 33.92	-0.020	13	0.26	30.237	15	36.3	33.64	21	36.3	G5	C8	4046	C -36 5317
33		8.0T	1 35.841	0.0016	17	-33 29 42.11	0.018	13	0.77	35.762	17	01.7	43.05	19	99.0	A2	GC	12529	C -33 5705
34	10.3	9.5W	1 37.931	-0.0019	21	-32 42 46.38	-0.031	21	0.43	37.965	22	32.3	45.83	21	32.3	K0	C7	4297	C -32 6015
35	9.7	9.8W	1 42.446	-0.0010	13	-39 16 12.36	0.013	13	0.26	42.459	15	36.3	12.54	21	36.3	A2	C8	4048	C -38 5186
36	9.2	9.0W	1 43.463	-0.0005	13	-38 50 4.76	0.006	13	0.26	43.469	15	36.3	4.84	21	36.3	F8	C8	4049	C -38 5187
37	9.7	9.3W	1 44.245	-0.0021	21	-30 5 42.64	0.025	21	0.43	44.282	22	32.3	43.08	21	32.3	G5	C7	4298	C -29 7085
38	8.6	8.1W	1 45.784	-0.0040	09	-37 59 8.03	0.045	09	0.22	45.838	15	36.3	8.64	21	36.3	G5	C8	4050	C*-37 5419
39	10.0	10.0W	1 50.582	-0.0033	18	-36 8 39.44	-0.022	18	0.31	50.627	15	36.3	39.14	21	36.3	G0	C8	4051	C -35 5322
40	9.1	8.4W	1 53.956	0.0019	08	-38 35 47.70	-0.070	08	0.21	53.929	15	36.3	46.75	21	36.3	K0	C8	4052	C -38 5191
41	9.7	9.1W	1 55.684	0.0011	21	-31 42 42.15	0.015	21	0.43	55.664	22	32.3	42.42	21	32.3	K0	C7	4299	C -31 6860
42	7.5	7.4W	1 59.880	-0.0079	06	-36 32 24.67	0.034	06	0.20	59.988	15	36.3	25.14	21	36.3	F5	C8	4053	C -36 5321
43	9.7	9.3W	2 0.826	0.0006	21	-31 59 16.04	-0.007	21	0.43	4.814	22	32.3	15.92	21	32.3	F5	C7	4300	C -31 6867
44	9.1	9.3W	2 7.169	-0.0007	13	-37 56 2.29	-0.011	13	0.26	7.178	15	36.3	2.14	21	36.3	B8	C8	4054	C -37 5421
45	9.9	10.1W	2 7.671	0.0010	21	-31 28 40.44	-0.008	21	0.43	7.653	22	32.3	40.30	21	32.3	A	C7	4301	C -31 6869
46	10.1	9.6W	2 11.697	-0.0027	21	-33 12 30.13	0.006	21	0.43	11.746	22	32.3	30.23	21	32.3	F5	C7	4302	C -32 6021
47	8.2	8.4W	2 11.945	-0.0052	21	-34 50 41.01	0.025	21	0.43	12.037	22	32.3	41.45	21	32.3	A0	C7	4303	C -34 5548
48	8.6	8.8W	2 14.787	0.0013	13	-38 39 10.84	-0.007	13	0.26	14.769	15	36.3	10.75	21	36.3	A2	C8	4055	C -38 5200
49	10.2	9.3W	2 15.521	-0.0002	21	-32 35 24.55	-0.001	21	0.43	15.526	22	32.3	24.53	21	32.3	K2	C7	4304	C -32 6022
50	10.5	9.5W	2 16.918	-0.0009	21	-30 56 20.10	0.022	21	0.43	16.934	22	32.3	20.50	21	32.3		C7	4306	C -30 7156
51	8.1	8.0W	9 2 17.926	-0.0090	21	-32 54 7.83	-0.011	21	0.43	18.086	22	32.3	7.63	21	32.3	F0	C7	4306	C -32 6023
52	9.4	8.0W	2 25.376	-0.0005	21	-32 14 55.24	-0.041	21	0.43	25.384	22	32.3	54.52	21	32.3	MA	C7	4307	C -31 6877
53	10.5	9.7W	2 31.194	0.0005	18	-36 3 23.44	-0.029	18	0.31	31.187	15	36.3	23.04	21	36.3	K0	C8	4056	C -35 5334
54	10.9	10.4W	2 31.731	-0.0040	21	-30 11 18.53	0.054	21	0.43	31.802	22	32.3	19.48	21	32.3		C7	4308	C -29 7099
55	10.4	9.5W	2 41.731	0.0037	13	-39 57 39.51	0.017	13	0.26	41.680	15	36.3	39.75	21	36.3	K0	C8	4057	C -39 5135
56	10.3	9.9W	2 45.377	0.0001	21	-31 58 21.04	-0.001	21	0.43	45.374	22	32.3	21.02	21	32.3		C7	4309	C -31 6886
57	10.4		2 48.032	-0.0041	18	-38 48 56.52	-0.013	18	0.31	48.089	15	36.3	56.34	21	36.3	A3	C8	4058	C -38 5212
58	9.0	9.2W	2 53.463	-0.0041	18	-37 36 7.36	0.035	18	0.31	53.518	15	36.3	7.84	21	36.3	A0	C8	4059	C -37 5435
59	10.4	9.3W	3 17.426	-0.0028	21	-33 50 34.95	0.028	21	0.43	17.476	22	32.3	35.44	21	32.3	K5	C7	4310	C -33 5731
60	10.6	9.4W	3 17.918	-0.0008	13	-37 1 7.58	-0.003	13	0.26	17.928	15	36.3	7.54	21	36.3	K0 L	C8	4060	C -36 5337
61	10.8	9.8W	3 21.976	0.0007	21	-30 58 42.53	0.026	21	0.43	21.964	22	32.3	43.00	21	32.3	K0 L	C7	4311	C -30 7175
62	10.2	9.0W	3 31.998	-0.0039	21	-34 35 56.27	-0.018	21	0.43	32.067	22	32.3	55.95	21	32.3	K5	C7	4312	C -34 5567
63	8.9	9.2W	3 40.821	-0.0012	06	-36 1 18.72	-0.020	06	0.20	40.837	15	36.3	18.44	21	36.3	A0	C8	4062	C -35 5355
64	10.3	8.7W	3 43.100	-0.0003	21	-32 46 3.88	-0.003	21	0.43	43.106	22	32.3	3.83	21	32.3	K5	C7	4313	C -32 6043
65	9.5	8.1W	3 43.177	-0.0015	21	-31 3 27.55	0.008	21	0.43	43.203	22	32.3	27.70	21	32.3	K5	C7	4314	C -30 7182
66	10.5	9.5W	3 43.615	0.0002	21	-30 4 43.52	0.049	21	0.43	43.612	22	32.3	44.38	21	32.3	K2 L	C7	4315	C -29 7120
67	7.9	8.1W	3 50.531	0.0003	21	-34 20 1.50	0.025	21	0.43	50.526	22	32.3	1.94	21	32.3	A0	C7	4316	C -34 5573
68	9.5	8.7W	3 51.627	-0.0016	18	-38 26 47.45	-0.030	18	0.31	51.648	15	36.3	47.05	21	36.3	K0	C8	4063	C -38 5235
69	8.4	8.5W	3 54.368	-0.0037	18	-38 2 38.14	0.044	18	0.31	54.418	15	36.3	38.74	21	36.3	F0	C8	4064	C -37 5454
70	9.3	9.1W	3 55.063	-0.0001	21	-32 37 52.73	-0.017	21	0.43	55.066	22	32.3	52.43	21	32.3	A5	C7	4317	C -32 6048
71	8.9	9.1W	3 56.121	-0.0013	21	-30 40 30.37	0.024	21	0.43	56.143	22	32.3	30.80	21	32.3	A0	C7	4318	C -30 7184
72	8.4	7.3W	3 56.828	0.0000	06	-35 53 41.56	-0.016	06	0.20	56.827	15	36.3	41.34	21	36.3	K2	C8	4065	C -35 5357
73	10.0	10.2W	3 59.855	-0.0032	13	-38 21 49.73	-0.021	13	0.26	59.898	15	36.3	49.45	21	36.3	A0	C8	4066	C -38 5240
74	9.8	9.5W	4 0.528	-0.0031	13	-39 41 40.66	-0.009	13	0.26	0.570	15	36.3	40.54	21	36.3	G0	C8	4067	C -39 5160
75	9.9	9.1W	4 3.168	-0.0067	13	-39 33 55.33	0.030	13	0.26	3.260	15	36.3	55.74	21	36.3	K0	C8	4068	C -39 5161
76	9.9	8.8W	4 3.267	-0.0032	21	-31 14 57.10	0.028	21	0.43	3.324	22	32.3	57.60	21	32.3	K2	C7	4319	C -30 7189
77	10.1	9.4W	4 4.442	0.0018	09	-35 48 47.68	-0.025	09	0.22	4.417	15	36.3	47.34	21	36.3	K0 L	C8	4069	C -35 5361
78	9.0	8.7W	4 11.140	-0.0006	07	-36 57 3.22	-0.035	07	0.21	11.148	15	36.3	2.74	21	36.3	G5	C8	4071	C -36 5353
79	9.9	9.5W	4 17.271	-0.0019	11	-35 13 54.07	0.027	11	0.24	17.296	15	36.3	54.44	21	36.3	G0 L	C8	4072	C -34 5586
80	10.4	9.5W	4 18.839	0.0002	21	-34 2 45.21	0.002	21	0.43	18.836	22	32.3	45.24	21	32.3	G5 L	C7	4321	C -33 5748
81	7.7	7.9W	4 23.859	-0.0029	09	-36 36 6.61	0.017	09	0.22	23.898	15	36.3	6.84	21	36.3	A0	C8	4073	C -36 5355
82	8.5	8.6W	4 28.775	-0.0010	09	-37 10 27.28	-0.026	09	0.22	28.788	15	36.3	27.64	21	36.3	A2	C8	4074	C -36 5357
83	9.2	8.5W	4 40.350	0.0054	21	-33 21 58.77	-0.025	21	0.43	40.256	22	32.3	58.33	21	32.3	G5	C7	4322	C -33 5754
84	9.8	9.3W	4 41.013	0.0001	21	-30 24 37.48	0.017	21	0.43	41.012	22	32.3	37.78	21	32.3	G2 L	C7	4323	C -30 7196
85	8.8	8.0W	4 45.371	-0.0013	10	-38 21 15.63	-0.021	10	0.23	45.388	15	36.3	15.34	21	36.3	K0	C8	4077	C -38 5255
86	9.4	9.0W	4 47.254	0.0016	21	-34 4 8.68	-0.019	21	0.43	47.226	22	32.3	8.34	21	32.3	F5	C7	4324	C -33 5755
87	9.4	9.7W	4 57.308	0.0000	18	-37 16 25.25	-0.001	18	0.31	57.308	15	36.3	25.24	21	36.3	A2	C8	4079	C -36 5364
88	9.9	8.7W	4 57.483	-0.0033	13	-37 7 52.54	-0.007	13	0.26	57.528	15	36.3	52.45	21	36.3	K5	C8	4080	C -36 5365
89	9.2	8.8W	5 2.040	-0.0063	21	-34 35 33.39	-0.030	21	0.43	2.187	22	32.3	32.85	21	32.3	F5	C7	4325	C -34 5598
90	9.6	8.9W	5 2.878	-0.0029	07	-36 25 42.74	-0.015	07	0.21	2.917	15	36.3	42.54	21	36.3	G5	C8	4081	C -36 5367
91	10.0	9.5W	5 4.795	-0.0148	21	-34 44 47.50	0.037	21	0.43	5.057	22	32.3	48.15	21	32.3	F8 L	C7	4326	C -34 5600
92	9.2	8.2W	5 9.095	-0.0025	18	-39 17 47.08	-0.010	18	0.31	9.129	15	36.3	46.94	21	36.3	K0	C8	4082	C -38 5263
93		8.0T	5 9.849	-0.0022	16	-34 19 4.48	-0.005	13	0.76	9.959	18	00.7	4.24	18	99.8	A0	GC	12600	C -34 5601
94	8.6	8.7W	5 11.582	-0.0026	09	-36 9 11.98	-0.032	09	0.22	11.617	15	36.3	11.54	21	36.3	A0	C8	4083	C -35 5381
95	9.0	8.2W	5 12.416	0.0029	21	-31 42 45.06	-0.008	21	0.43	12.364	22	32.3	44.92	21	32.3	G5	C7	4328	C -31 6929
96	9.8	9.7W	5 17.171	-0.0013	21	-30 54 38.95	0.014	21	0.43	17.193	22	32.3	39.20	21	32.3	A2	C7	4329	C -30 7208
97	8.1	8.1W	5 17.321	-0.0019	21	-33 28 16.71	0.007	21	0.43	17.356	22	32.3	16.83	21	32.3	A0	C7	4330	C -33 5760
98	10.1	9.6W	5 19.740	0.0049	21	-30 47 26.37	-0.038	21	0.43	19.654	22	32.3	25.70	21	32.3	G2 L	C7	4331	C -30 7209
99	8.5	7.3W	5 20.978	-0.0001	09	-38 36 55.94	0.000	09	0.22	20.979	15	36.3	55.94	21	36.3	K2	C8	4084	C -38 5266
00	9.8	9.0W	5 22.587	0.0007	21	-32 57 54.38	-0.059	21	0.43	22.576	22	32.3	53.33	21	32.3	K0	C7	4332	C -32 6071

200000 — EPOCH 1950 — ORIGINAL EPOCH — -30° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	11.0	9.8W	9 5 24.635	-0.0022	21	-30 31 8.06	0.030	21	0.43	24.674	22	32.3	8.60	21	32.3			C7	4333	C -30 7210
2	10.5	9.4W	5 37.146	-0.0028	13	-36 10 30.97	-0.046	13	0.26	37.107	15	36.3	30.34	21	36.3	K2		C8	4085	C -35 5387
3	7.7	7.3W	5 37.221	-0.0007	13	-39 37 47.21	0.017	13	0.26	37.230	15	36.3	47.44	21	36.3	A2		C8	4086	C -39 5192
4	8.7	8.6W	5 41.292	-0.0030	21	-32 4 22.07	-0.009	21	0.43	41.344	22	32.3	21.92	21	32.3	A2		C7	4334	C -31 6936
5	8.4	8.1W	5 42.082	-0.0036	21	-33 55 13.27	0.004	21	0.43	42.146	22	32.3	13.34	21	32.3	F2		C7	4335	C -33 5766
6	9.6	8.6W	5 44.894	-0.0012	21	-32 19 56.19	0.007	21	0.43	44.914	22	32.3	56.32	21	32.3	K0		C7	4336	C -32 6079
7	9.3	8.0W	5 45.526	0.0023	21	-31 50 6.59	0.007	21	0.43	45.484	22	32.3	6.72	21	32.3	K5		C7	4337	C -31 6939
8	10.1	8.8W	5 47.022	0.0017	13	-37 7 5.24	-0.029	13	0.26	46.998	15	36.3	4.84	21	36.3	K2	L	C8	4087	C -36 5381
9	10.5	9.0W	5 53.181	0.0010	13	-35 35 49.14	0.022	13	0.26	53.167	15	36.3	49.44	21	36.3	K5	L	C8	4088	C -35 5392
10	9.5	9.4W	6 3.808	-0.0003	21	-30 53 57.22	0.027	21	0.43	3.814	22	32.3	57.70	21	32.3	A3		C7	4338	C -30 7223
11	9.9	8.4W	6 5.268	-0.0016	21	-34 3 37.11	-0.015	21	0.43	5.296	22	32.3	36.84	21	32.3	K5		C7	4339	C -33 5769
12	9.9	10.0W	6 6.318	-0.0046	13	-39 52 6.57	-0.002	13	0.26	6.380	15	36.3	6.54	21	36.3	A2		C8	4089	C -39 5202
13	8.5	8.6W	6 7.854	-0.0027	21	-30 4 21.34	0.008	21	0.43	7.902	22	32.3	21.48	21	32.3	B9		C7	4340	C -29 7163
14		7.6T	6 8.274	-0.0020	14	-37 9 21.80	0.002	10	0.65	8.372	17	00.8	21.90	18	94.9	A0		GC	12622	C*-36 5384
15	9.8	9.8W	6 14.588	-0.0050	13	-35 26 37.56	0.013	13	0.26	14.656	15	36.3	37.74	21	36.3	F5	L	C8	4091	C -35 5397
16	8.6	8.4W	6 18.090	-0.0072	09	-36 54 42.13	-0.006	09	0.22	18.188	15	36.3	42.05	21	36.3	G5		C8	4092	C -36 5387
17	9.9	9.0W	6 26.941	-0.0002	21	-33 29 3.17	0.004	21	0.43	26.946	22	32.3	3.23	21	32.3	K2		C7	4341	C -33 5774
18	9.4	9.7W	6 29.280	-0.0027	07	-36 3 51.65	-0.023	07	0.21	29.317	15	36.3	51.34	21	36.3	A0		C8	4093	C -35 5403
19	9.8	8.7W	6 29.980	0.0006	21	-30 20 34.82	-0.030	21	0.43	29.972	22	32.3	34.28	21	32.3	K2		C7	4342	C -30 7229
20	8.5	8.9W	6 32.552	-0.0035	18	-38 40 32.28	-0.003	18	0.31	32.599	15	36.3	32.24	21	36.3	B9		C8	4094	C -38 5289
21	9.1	9.1W	6 35.160	-0.0071	23	-35 30 56.82	-0.006	23	0.37	35.257	15	36.3	56.74	21	36.3	F0		C8	4095	C -35 5404
22	10.4	9.6W	6 38.739	0.0003	21	-30 48 15.62	0.055	21	0.43	38.734	22	32.3	16.60	21	32.3	K0	L	C7	4343	C -30 7233
23	7.3	7.5W	6 39.975	-0.0062	13	-38 34 51.25	-0.001	13	0.26	40.059	15	36.3	51.24	21	36.3	A2		C8	4097	C -38 5292
24	10.5	9.6W	6 40.740	0.0003	21	-33 3 52.53	0.017	21	0.43	40.736	22	32.3	52.83	21	32.3	G5	L	C7	4344	C -32 6097
25	10.5	9.5W	6 43.760	-0.0009	21	-33 49 15.08	0.015	21	0.43	43.776	22	32.3	15.34	21	32.3			C7	4345	C -33 5783
26	9.8	9.4W	6 45.387	0.0024	21	-31 34 35.45	-0.053	21	0.43	45.344	22	32.3	34.52	21	32.3	F5		C7	4346	C -31 6953
27	9.2	8.3W	6 47.427	0.0024	21	-32 15 1.78	0.036	21	0.43	47.384	22	32.3	2.42	21	32.3	K0		C7	4347	C -31 6956
28	9.0	7.6W	6 48.311	0.0003	18	-35 8 45.40	-0.041	18	0.31	48.306	15	36.3	44.84	21	36.3	K5		C8	4098	C -34 5623
29	9.4	9.4W	6 52.181	-0.0008	21	-31 45 25.37	0.008	21	0.43	52.194	22	32.3	25.51	21	32.3	A2		C7	4348	C -31 6957
30	9.5	9.3W	6 52.283	-0.0005	21	-30 11 43.61	0.004	21	0.43	52.292	22	32.3	43.68	21	32.3	A0		C7	4349	C -29 7177
31	10.9	9.4W	6 52.923	-0.0024	21	-33 53 33.51	0.019	21	0.43	52.966	22	32.3	33.84	21	32.3			C7	4350	C -33 5789
32	10.9	9.9W	6 53.461	-0.0024	21	-30 56 53.19	0.000	21	0.43	53.504	22	32.3	53.20	21	32.3	K0	L	C7	4351	C -30 7237
33	10.2		6 54.171	-0.0035	18	-37 55 13.64	0.029	18	0.31	54.218	15	36.3	14.04	21	36.3	A		C8	4099	C -37 5496
34	8.6	8.6W	6 54.812	-0.0008	21	-35 6 35.43	-0.017	21	0.43	54.826	22	32.3	35.14	21	32.3	A5		C7	4352	C -34 5625
35	9.4	9.4W	6 55.716	0.0006	21	-33 6 50.17	0.015	21	0.43	55.706	22	32.3	50.43	21	32.3	A2		C7	4353	C -32 6100
36	8.8	9.2W	7 0.593	-0.0004	09	-36 37 41.47	-0.002	09	0.22	0.598	15	36.3	41.44	21	36.3	A0		C8	4100	C -36 5399
37	8.9	9.2W	7 1.152	-0.0005	10	-38 20 49.14	-0.007	10	0.23	1.158	15	36.3	49.04	21	36.3	A0		C8	4101	C -38 5304
38	11.4	9.9W	7 6.131	-0.0013	21	-30 45 50.22	0.021	21	0.43	6.153	22	32.3	50.60	21	32.3			C7	4354	C -30 7241
39	8.8	9.0W	7 6.547	-0.0015	13	-35 43 14.37	-0.031	13	0.26	6.567	15	36.3	13.95	21	36.3	A0		C8	4102	C -35 5413
40	10.0	9.5W	7 6.855	-0.0034	21	-33 5 10.48	-0.014	21	0.43	6.916	22	32.3	10.23	21	32.3	G5	L	C7	4355	C -32 6107
41	9.0	9.1W	7 10.564	0.0005	09	-35 56 19.70	-0.019	09	0.22	10.557	15	36.3	19.44	21	36.3	A2		C8	4103	C -35 5416
42	9.2	9.2W	7 11.205	-0.0052	21	-34 39 48.48	-0.007	21	0.43	11.297	22	32.3	48.35	21	32.3	A0		C7	4356	C -34 5627
43	9.3	8.2W	7 19.460	-0.0028	13	-37 30 46.40	0.003	13	0.26	19.498	15	36.3	46.44	21	36.3	K0		C8	4104	C -37 5502
44	9.7	9.5W	7 25.348	-0.0029	13	-36 3 10.54	0.029	13	0.26	25.387	15	36.3	10.94	21	36.3	F0		C8	4105	C -35 5419
45		9.0R	7 33.706	0.0022	17	-30 4 2.78	-0.015	17	0.32	33.669	16	33.2	2.52	16	33.2	K5	M	13B	5856	J -29 7188
46	9.9	8.6W	7 40.595	-0.0017	13	-36 47 33.63	-0.014	13	0.26	40.618	15	36.3	33.44	21	36.3	K2		C8	4106	C -36 5409
47		5.6H	7 49.166	-0.0002	02	-30 9 37.21	-0.048	02	0.08	49.172	04	16.3	35.60	04	16.4	A3		F4	1241	C -29 2194
48	9.7	9.4W	7 49.882	-0.0041	21	-32 25 41.20	-0.018	21	0.43	49.954	22	32.3	41.52	21	32.3	F0		C7	4358	C -32 6120
49		9.1R	7 49.898	0.0014	17	-30 9 52.57	-0.059	17	0.32	49.875	16	33.2	51.58	16	33.2	A3	J	13B	5861	J -29 7194
50	10.0	10.1W	7 54.783	-0.0027	18	-38 58 40.37	-0.017	18	0.31	54.819	15	36.3	40.14	21	36.3	A0	L	C8	4107	C -38 5038
51	11.0	10.2W	9 7 55.174	-0.0025	18	-37 4 3.11	0.002	18	0.31	55.208	15	36.3	3.14	21	36.3	K0	L	C8	4108	C -36 5413
52	9.4	9.4W	7 59.409	-0.0051	18	-37 18 40.92	0.009	18	0.31	59.478	15	36.3	41.04	21	36.3	F5		C8	4109	C*-37 5511
53	10.3	9.0W	8 10.896	-0.0053	13	-36 45 11.07	-0.002	13	0.26	10.968	15	36.3	11.04	21	36.3	K5	L	C8	4110	C -36 5417
54	8.9	7.5W	8 12.886	0.0006	09	-38 32 36.91	-0.012	09	0.22	12.879	15	36.3	36.75	21	36.3	K2		C8	4111	C -38 5330
55	9.5	9.5W	8 16.087	0.0017	21	-34 42 26.42	-0.032	21	0.43	16.057	22	32.3	25.85	21	32.3	A2		C7	4359	C -34 5639
56	10.6	9.9W	8 20.249	-0.0065	21	-31 9 31.44	0.054	21	0.43	20.364	22	32.3	32.40	21	32.3	G2	L	C7	4360	C -30 7259
57	9.2	8.6W	8 22.669	-0.0021	09	-35 42 42.59	-0.055	09	0.22	22.697	15	36.3	41.84	21	36.3	G5		C8	4112	C -35 5433
58	10.2	9.9W	8 23.030	-0.0031	21	-32 2 18.15	-0.019	21	0.43	23.084	22	32.3	17.82	21	32.3	F0	L	C7	4361	C -31 6981
59	10.2	10.0W	8 26.350	0.0015	21	-31 28 49.57	0.041	21	0.43	26.323	22	32.3	50.30	21	32.3	A		C7	4362	C -31 6983
60	11.2	10.3W	8 26.617	-0.0021	21	-31 18 46.82	0.044	21	0.43	26.654	22	32.3	47.60	21	32.3			C7	4363	C -31 6982
61	8.6	8.6W	8 30.005	-0.0029	21	-34 12 42.43	-0.005	21	0.43	30.056	22	32.3	42.34	21	32.3	A3		C7	4364	C -33 5807
62	8.2	7.6W	8 33.292	-0.0012	13	-36 38 22.62	-0.031	13	0.26	33.308	15	36.3	23.04	21	36.3	K0		C8	4113	C -36 5423
63	8.9	9.1W	8 34.248	-0.0036	09	-35 47 52.49	-0.011	09	0.22	34.297	15	36.3	52.34	21	36.3	A0		C8	4114	C -35 5436
64	8.7	8.6W	8 34.252	-0.0024	21	-32 53 47.85	-0.001	21	0.43	34.295	22	32.3	47.83	21	32.3	A2		C7	4365	C -32 6132
65	9.6	8.8W	8 36.093	-0.0032	13	-35 9 12.13	0.008	13	0.26	36.136	15	36.3	12.24	21	36.3	G5		C8	4115	C -34 5643
66	9.6	9.1W	8 36.714	-0.0017	09	-35 48 10.60	-0.019	09	0.22	36.737	15	36.3	10.34	21	36.3	G5		C8	4117	C -35 5437
67	10.0	9.3W	8 49.421	-0.0121	21	-31 53 8.18	0.098	21	0.43	49.634	22	32.3	9.92	21	32.3	G0		C7	4366	C -31 6995
68	9.0	8.8W	8 49.477	-0.0046	13	-39 20 51.58	0.019	13	0.26	49.539	15	36.3	51.84	21	36.3	F5		C8	4119	C -39 5247
69	8.8	8.5W	8 51.754	-0.0003	09	-35 52 32.63	-0.036	09	0.22	51.757	15	36.3	32.15	21	36.3	G0		C8	4120	C -35 5443
70		8.8T	8 53.562	0.0000	18	-38 24 26.21	-0.018	20	0.88	53.561	24	05.3	25.39	24	04.9	K0		GC	12679	C -38 5342
71	9.8	9.0W	8 58.039	-0.0064	23	-35 12 58.64	0.000	23	0.37	58.126	15	36.3	58.64	21	36.3	K0		C8	4122	C -34 5649
72	10.0	9.9W	9 0.174	-0.0018	13	-37 52 24.05	-0.001	13	0.26	0.198	15	36.3	24.04	21	36.3	F		C8	4123	C -37 5525
73	7.9	8.3W	9 0.486	-0.0016	09	-35 54 0.37	-0.039	09	0.22	0.507	15	36.3	59.84	21	36.3	A0		C8	4124	C -35 5445
74	9.6	9.1W	9 1.039	-0.0021	21	-33 42 1.11	0.036	21	0.43	1.076	22	32.3	1.74	21	32.3	F5		C7	4367	C -33 5818
75	10.4		9 1.990	0.0008	18	-37 32 45.84	-0.007	18	0.31	1.978	15	36.3	45.74	21	36.3	G0	L	C8	4126	C -37 5526
76	9.1	8.9W	9 2.277	-0.0000	21	-34 31 10.75	-0.011	21	0.43	2.277	22	32.3	10.55	21	32.3	A2		C7	4368	C -34 5651
77	10.0	9.6W	9 4.075	-0.0034	21	-33 12 52.79	0.008	21	0.43	4.136	22	32.3	52.93	21	32.3	A5		C7	4369	C -32 6135
78	8.6	8.6W	9 15.118	0.0008	07	-36 0 13.13	-0.014	07	0.21	15.107	15	36.3	12.94	21	36.3	A2		C8	4127	C -35 5449
79	9.1	8.3W	9 19.535	-0.0025	13	-39 23 32.38	0.048	13	0.26	19.569	15	36.3	53.04	21	36.3	K0		C8	4128	C -39 5252
80	9.7	9.4W	9 21.378	-0.0022	21	-34 54 46.52	0.002	21	0.43	21.417	22	32.3	46.55	21	32.3	F0		C7	4370	C -34 5656
81	7.3	7.4W	9 24.767	-0.0008	06	-35 32 32.24	-0.015	06	0.20	24.777	15	36.3	32.04	21	36.3	A2		C8	4129	C -35 5454
82	10.8	10.2W	9 31.525	-0.0015	21	-30 12 54.82	-0.047	21	0.43	31.552	22	32.3	53.98	21	32.3	G0	L	C7	4372	C -29 7218
83	9.0	9.3W	9 35.393	-0.0005	09	-39 15 14.76	0.006	09	0.22	35.399	15	36.3	14.84	21	36.3	A0		C8	4130	C -38 5355
84		6.1T	9 43.952	-0.0014	08	-39 3 11.55	0.003	06	0.34	44.011	14	07.4	11.67	12	04.2	B9		GC	12698	C -38 5358
85	8.9	9.0W	9 46.403	-0.0011	09	-37 15 27.55	-0.015	09	0.22	46.418	15	36.3	27.35	21	36.3	A3		C8	4132	C -36 5442
86	10.5	9.9W	9 49.377	-0.0021	21	-30 40 25.34	0.003	21	0.43	49.414	22	32.3	25.40	21	32.3	G0	L	C7	4373	C -30 7284
87	9.6	9.1W	9 50.341	-0.0042	10	-37 28 37.88	0.070	10	0.23	50.398	15	36.3	38.84	21	36.3	F8		C8	4133	C -37 5536
88	9.5	9.3W	9 52.555	-0.0067	21	-31 22 59.83	-0.019	21	0.43	52.674	22	32.3	59.50	21	32.3	A3		C7	4374	C -31 7018
89	8.9	8.9W	9 54.167	-0.0051	21	-34 44 20.75	0.034	21	0.43	54.257	22	32.3	21.35	21	32.3	F0		C7	4375	C -34 5666
90	10.2	9.2W	9 54.503	0.0019	23	-35 40 51.84	-0.029	23	0.37	54.477	15	36.3	51.44	21	36.3	K5		C8	4134	C -35 5463
91	10.0	9.1W	10 0.105	-0.0018	21	-34 45 32.13	0.058	21	0.43	0.137	22	32.3	33.15	21	32.3	K2		C7	4376	C -34 5668
92	10.9	9.3W	10 11.258	-0.0021	21	-33 6 34.51	0.007	21	0.43	11.296	22	32.3	34.63	21	32.3			C7	4377	C -32 6153
93	8.6	8.8W	10 13.779	-0.0036	13	-38 53 26.66	0.035	13	0.26	13.829	15	36.3	27.14	21	36.3	A3		C8	4136	C -38 5365
94	8.4	8.5W	10 14.184	-0.0023	21	-31 42 17.16	-0.014	21	0.43	14.224	22	32.3	16.92	21	32.3	A0		C7	4378	C -31 7023
95	8.9	8.7W	10 22.852	-0.0025	21	-34 7 37.16	-0.029	21	0.43	22.896	22	32.3	36.64	21	32.3	F0		C7	4379	C -33 5841
96	9.7	8.8W	10 24.704	-0.0017	13	-35 59 48.03	-0.028	13	0.26	24.727	15	36.3	47.64	21	36.3	K0		C8	4138	C -35 5471
97	9.9	9.7W	10 25.856	-0.0002	07	-36 40 16.09	-0.011	07	0.21	25.858	15	36.3	15.94	21	36.3	F5	L	C8	4139	C -36 5451
98	10.2	8.8W	10 26.734	0.0004	07	-37 10 8.24	-0.007	07	0.21	26.728	15	36.3	8.14	21	36.3	K5		C8	4141	C -36 5452
99	8.9	8.1W	10 29.717	0.0000	07	-35 28 39.26	-0.045	07	0.21	29.716	15	36.3	38.64	21	36.3	K0		C8	4142	C -35 5472
00	9.2	8.6W	10 31.793	-0.0046	21	-31 19 22.52	0.004	21	0.43	31.874	22	32.3	22.60	21	32.3	F8		C7	4380	C -31 7028

200100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 9H DM NUMBER
1	9.4	8.4W	9 10 32.554	0.0003	14	-38 44 14.37	-0.046	14	0.26	32.549	15	36.3	13.75	21	36.3	K0	C8	4143	C -38 5368
2	10.6	9.4W	10 34.552	-0.0024	21	-33 25 2.05	-0.018	21	0.43	34.596	22	32.3	1.73	21	32.3	K2 L	C7	4381	C -33 5843
3	10.8	9.3W	10 38.464	-0.0035	21	-33 54 11.05	0.005	21	0.43	38.526	22	32.3	11.14	21	32.3	K L	C7	4382	C -33 5846
4	9.7	8.7W	10 45.259	-0.0032	21	-31 37 0.45	0.026	21	0.43	45.314	22	32.3	0.92	21	32.3	K0	C7	4383	C -31 7532
5		7.2T	10 49.340	-0.0015	12	-30 51 32.40	0.015	11	0.63	49.417	18	98.4	33.19	18	96.4	K0	GC	12725	C#-30 7301
6	10.2		10 50.703	-0.0048	18	-37 55 33.50	0.032	18	0.31	50.768	15	36.3	33.94	21	36.3	B9 L	C8	4145	C -37 5552
7	9.7	9.9W	10 51.545	-0.0016	13	-35 19 31.92	0.009	13	0.26	51.567	15	36.3	32.04	21	36.3	B9 L	C8	4146	C -35 5477
8	10.1	9.2W	10 55.057	0.0019	21	-30 41 41.36	0.002	21	0.43	55.023	22	32.3	41.40	21	32.3	G5 L	C7	4385	C -30 7305
9	10.0	9.2W	11 6.922	0.0038	21	-32 6 24.65	-0.036	21	0.43	6.854	22	32.3	24.02	21	32.3	K0	C7	4386	C -31 7042
10	9.6	9.5W	11 9.647	-0.0015	09	-35 40 16.96	0.013	09	0.22	9.667	15	36.3	17.14	21	36.3	F0	C8	4147	C -35 5482
11		8.7R	11 10.713	-0.0008	20	-30 1 36.12	0.027	20	0.37	10.727	16	33.2	36.57	16	33.2	K0 M	13B	5901	J -29 7237
12	10.1	9.2W	11 12.013	0.0010	13	-39 21 15.70	0.003	13	0.26	11.999	15	36.3	15.74	21	36.3	K0	C8	4148	C -39 5283
13	10.5	9.8W	11 14.619	-0.0009	21	-31 37 42.93	0.033	21	0.43	14.634	22	32.3	43.52	21	32.3	G2 L	C7	4387	C -31 7043
14	10.8	9.6W	11 18.521	-0.0014	21	-33 34 41.67	0.010	21	0.43	18.546	22	32.3	41.84	21	32.3		C7	4388	C -33 5859
15	9.3	8.8W	11 19.427	-0.0015	09	-35 46 13.87	-0.002	09	0.22	19.447	15	36.3	13.85	21	36.3	G0	C8	4149	C -35 5484
16	8.5	8.6W	11 20.039	-0.0045	13	-39 38 53.98	-0.010	13	0.26	20.100	15	36.3	53.84	21	36.3	A3	C8	4150	C -39 5287
17	10.0	9.1W	11 20.900	-0.0114	23	-35 13 29.93	-0.014	23	0.37	21.056	15	36.3	29.74	21	36.3	G5 L	C8	4151	C -34 5695
18	9.2	8.8W	11 23.353	-0.0019	18	-36 38 43.77	0.020	18	0.31	23.378	15	36.3	44.04	21	36.3	G0	C8	4152	C -36 5464
19		6.5T	11 27.580	0.0002	10	-38 24 31.97	-0.015	08	0.51	27.569	19	98.5	31.15	18	96.2	A0	GC	12735	C -38 5376
20	9.6	8.9W	11 27.962	-0.0030	21	-32 11 48.25	-0.008	21	0.43	28.014	22	32.3	48.12	21	32.3	K0	C7	4389	C -31 7051
21	10.0	8.7W	11 32.621	-0.0035	07	-37 4 38.01	0.046	07	0.21	32.668	15	36.3	38.64	21	36.3	K0	C8	4154	C -36 5468
22		9.2R	11 34.539	0.0009	17	-30 43 47.48	0.052	17	0.32	34.524	16	33.2	48.35	16	33.2	G0 M	13B	5907	J -30 7311
23	9.3	9.5W	11 39.243	-0.0013	21	-33 43 10.69	-0.008	21	0.43	39.266	22	32.3	10.54	21	32.3	A2	C7	4390	C -33 5865
24	9.2	9.2W	11 41.615	-0.0022	21	-30 53 29.15	0.008	21	0.43	41.653	22	32.3	29.30	21	32.3	A3	C7	4391	C -30 7314
25		9.3R	11 43.821	-0.0011	17	-30 23 24.06	0.027	17	0.32	43.839	16	33.2	24.51	16	33.2	A5 M	13B	5912	J -30 7315
26	9.9	8.8W	11 44.398	-0.0008	07	-37 4 53.54	-0.022	07	0.21	44.408	15	36.3	53.24	21	36.3	K0	C8	4155	C -36 5473
27	10.0	9.1W	11 46.284	-0.0040	13	-37 19 52.45	-0.001	13	0.26	46.338	15	36.3	52.45	21	36.3	G5	C8	4156	C -37 5563
28	9.4	8.4W	11 53.318	-0.0007	09	-36 9 27.93	0.037	09	0.22	53.327	15	36.3	28.44	21	36.3	K0	C8	4157	C -35 5492
29	10.0	9.1W	11 55.401	-0.0006	21	-30 21 57.28	0.017	21	0.43	55.412	22	32.3	57.58	21	32.3	K0 L	C7	4392	C -30 7321
30	10.6	9.6W	11 56.955	-0.0006	21	-33 44 23.98	0.032	21	0.43	56.966	22	32.3	24.54	21	32.3	K5 L	C7	4393	C -33 5868
31		9.1R	11 59.697	0.0012	12	-30 39 16.11	-0.000	12	0.26	59.677	16	33.2	16.11	16	33.2	A5 M	13B	5916	J -30 7325
32	9.5	9.8W	12 6.285	0.0017	21	-32 9 5.07	-0.003	21	0.43	6.254	22	32.3	5.02	21	32.3	A3	C7	4394	C -31 7058
33	9.8	9.1W	12 10.154	0.0005	21	-31 55 57.31	-0.017	21	0.43	10.144	22	32.3	57.02	21	32.3	G5	C7	4395	C -31 7059
34	8.2	8.0W	12 11.056	-0.0056	21	-33 18 29.48	0.020	21	0.43	11.156	22	32.3	29.83	21	32.3	F2	C7	4396	C -32 6185
35		6.7T	12 15.953	0.0010	12	-32 20 53.66	-0.032	11	0.62	15.901	18	99.3	52.01	18	97.5	K0	GC	12752	C#-32 6187
36	10.2		12 16.260	-0.0043	18	-38 5 43.55	0.021	18	0.31	16.318	15	36.3	43.84	21	36.3	A3 L	C8	4158	C -37 5568
37	9.6	9.6W	12 16.490	-0.0019	21	-31 18 33.23	-0.002	21	0.43	16.523	22	32.3	33.20	21	32.3	A0	C7	4398	C -30 7329
38	10.0	9.3W	12 17.091	-0.0036	21	-32 5 8.89	-0.010	21	0.43	17.154	22	32.3	8.72	21	32.3	G5	C7	4399	C -31 7061
39	7.9	8.4W	12 22.529	0.0008	13	-38 19 17.09	-0.018	13	0.26	22.518	15	36.3	16.84	21	36.3	B9	C8	4159	C -38 5388
40	8.2	8.1W	12 23.948	-0.0032	21	-33 12 56.52	-0.022	21	0.43	24.006	22	32.3	56.13	21	32.3	A2	C7	4400	C -32 6189
41	9.2	9.5W	12 24.386	-0.0018	13	-39 58 50.07	0.012	13	0.26	24.410	15	36.3	50.24	21	36.3	A0	C8	4160	C -39 5304
42	9.5	9.7W	12 25.191	0.0004	21	-30 41 44.61	-0.001	21	0.43	25.184	22	32.3	44.60	21	32.3	A0	C7	4401	C -30 7332
43	10.6	10.5W	12 30.942	-0.0063	21	-31 10 53.45	0.031	21	0.43	31.054	22	32.3	54.00	21	32.3	G0 L	C7	4402	C -30 7333
44	9.6	9.5W	12 33.958	-0.0022	21	-34 41 2.38	-0.086	21	0.43	33.997	22	32.3	0.85	21	32.3	G5	C7	4403	C -34 5717
45	9.0	8.2W	12 38.001	0.0016	09	-37 30 15.61	-0.012	09	0.22	37.978	15	36.3	15.45	21	36.3	K0	C8	4161	C -37 5572
46	10.3	8.9W	12 43.310	-0.0014	21	-33 28 26.68	-0.014	21	0.43	43.336	22	32.3	26.43	21	32.3	MA	C7	4404	C -33 5884
47	9.9	9.1W	12 44.471	-0.0027	09	-35 43 4.20	-0.019	09	0.22	44.507	15	36.3	3.94	21	36.3		C8	4162	C -35 5503
48		7.2T	12 44.735	-0.0029	13	-35 45 13.48	-0.002	10	0.65	44.881	19	00.2	13.35	18	94.8	A0	GC	12765	C -35 5504
49	8.4	7.4W	12 53.027	-0.0033	21	-32 51 31.96	-0.024	21	0.43	53.086	22	32.3	31.53	21	32.3	K0	C7	4406	C -32 6196
50	10.6	9.7W	12 55.572	-0.0002	21	-34 15 16.81	0.030	21	0.43	55.576	22	32.3	17.34	21	32.3	K2 L	C7	4406	C -33 5889
51		7.7T	9 12 55.840	-0.0013	13	-30 9 32.15	-0.014	13	0.70	55.906	21	99.1	31.43	19	97.8	A0	GC	12771K	C#-29 7273
52		6.0T	12 57.381	0.0004	06	-37 23 37.51	-0.016	05	0.28	57.363	12	05.4	36.71	12	01.0	G0	GC	12773	C -37 5578
53	10.3	9.3W	13 4.192	-0.0057	13	-39 55 7.13	-0.028	13	0.26	4.270	15	36.3	6.75	21	36.3	K2	C8	4166	C -39 5313
54	10.2	9.2W	13 10.887	-0.0008	13	-36 28 35.84	-0.015	13	0.26	10.897	15	36.3	35.65	21	36.3	K2 L	C8	4168	C -36 5499
55	10.3	9.5W	13 13.713	-0.0013	21	-33 37 49.42	-0.000	21	0.43	13.736	22	32.3	21.14	21	32.3	K0 L	C7	4408	C -33 5892
56	9.3	8.6W	13 23.325	-0.0006	21	-34 8 52.12	0.007	21	0.43	23.336	22	32.3	52.24	21	32.3	K2	C7	4409	C -33 5895
57		7.0T	13 29.869	0.0009	07	-33 6 53.12	-0.033	07	0.27	29.833	09	11.7	51.85	09	11.2	K2	GC	12783	C -32 6208
58	9.7	9.5W	13 33.725	-0.0017	09	-38 0 23.72	0.016	09	0.22	33.748	15	36.3	23.94	21	36.3	F0	C8	4169	C -37 5588
59		5.0T	13 36.354	-0.0060	04	-38 21 38.67	-0.011	04	0.17	38.589	06	10.8	38.19	07	07.7	K0	GC	12784	C#-38 5408
60	9.1	9.4W	13 40.795	-0.0208	13	-39 4 56.73	0.008	13	0.26	41.079	15	36.3	56.84	21	36.3	A0	C8	4171	C -38 5411
61	10.5	9.4W	13 41.204	-0.0011	21	-30 47 36.89	0.023	21	0.43	41.224	22	32.3	37.30	21	32.3		C7	4411	C -30 7357
62	9.0	8.0W	13 44.705	0.0017	21	-32 1 13.41	-0.034	21	0.43	44.674	22	32.3	12.82	21	32.3	K0	C7	4412	C -31 7087
63		4.7T	13 44.903	0.0017	05	-37 12 14.18	-0.013	05	0.22	44.835	09	10.5	13.64	09	09.3	F5	GC	12787K	C#-36 5505
64	9.8	8.6W	13 45.358	-0.0008	09	-37 1 26.80	-0.026	09	0.22	45.368	15	36.3	26.44	21	36.3	K2	C8	4173	C -36 5507
65	9.4	9.7W	13 46.018	-0.0073	18	-36 12 53.72	0.009	18	0.31	46.117	15	36.3	53.84	21	36.3	A0	C8	4174	C -35 5519
66	8.5	8.8W	13 49.023	-0.0010	13	-35 13 35.18	-0.025	13	0.26	49.036	15	36.3	34.84	21	36.3	A0	C8	4175	C -34 5735
67	9.9	9.7W	13 51.560	-0.0019	21	-31 17 51.08	0.029	21	0.43	51.594	22	32.3	51.60	21	32.3	F8	C7	4413	C -30 7359
68		7.0T	13 51.624	-0.0055	13	-37 25 12.34	0.014	10	0.64	51.898	19	00.1	13.08	19	95.9	K0	GC	12789	C -37 5590
69	9.6	9.9W	13 58.543	-0.0025	21	-34 30 30.46	-0.034	21	0.43	58.587	22	32.3	29.85	21	32.3	A3	C7	4414	C -34 5738
70	10.3	9.0W	14 2.373	-0.0007	21	-33 37 49.42	0.035	21	0.43	2.386	22	32.3	50.04	21	32.3	K5	C7	4415	C -33 5906
71	9.6	9.7W	14 14.766	-0.0018	13	-39 52 14.42	-0.006	13	0.26	14.790	15	36.3	14.34	21	36.3	A3	C8	4178	C -39 5330
72	10.4	10.0W	14 16.613	-0.0025	21	-34 50 10.30	0.009	21	0.43	16.617	22	32.3	10.45	21	32.3	G5 L	C7	4416	C -34 5743
73	10.1	10.0W	14 21.889	-0.0007	21	-30 27 25.36	0.035	21	0.43	21.902	22	32.3	25.98	21	32.3	G0 L	C7	4417	C -30 7371
74	9.7	9.7W	14 25.570	0.0003	21	-32 45 14.21	0.013	21	0.43	25.566	22	32.3	14.43	21	32.3	F5	C7	4418	C -32 6220
75	10.1	8.4W	14 28.586	-0.0031	10	-38 27 3.06	0.028	10	0.23	28.628	15	36.3	3.44	21	36.3	MA	C8	4180	C -38 5422
76	10.5	9.8W	14 33.018	-0.0020	21	-31 10 22.23	0.060	21	0.43	33.054	22	32.3	23.30	21	32.3	G5 L	C7	4419	C -30 7375
77	9.2	9.4W	14 33.342	-0.0013	21	-33 18 3.43	0.006	21	0.43	33.366	22	32.3	3.53	21	32.3	A0	C7	4420	C -32 6224
78	10.1	9.6W	14 35.507	-0.0001	13	-36 42 46.96	-0.009	13	0.26	35.508	15	36.3	46.84	21	36.3	G8 L	C8	4181	C -36 5524
79	9.6	9.1W	14 40.489	0.0001	09	-35 33 22.65	-0.132	09	0.22	40.487	15	36.3	20.84	21	36.3	G5	C8	4182	C -35 5533
80	10.5	9.5W	14 40.740	-0.0012	09	-35 22 6.76	-0.023	09	0.22	40.756	15	36.3	6.45	21	36.3	K0 L	C8	4183	C -35 5532
81	9.7	9.5W	14 45.136	-0.0026	21	-30 17 57.58	0.006	21	0.43	45.182	22	32.3	57.68	21	32.3	F8	C7	4421	C -29 7297
82	10.4	9.1W	14 46.424	-0.0028	21	-31 17 37.37	-0.027	21	0.43	46.473	22	32.3	36.90	21	32.3	K5	C7	4422	C -30 7379
83	10.1	9.9W	14 55.088	-0.0015	21	-32 9 25.79	-0.021	21	0.43	55.114	22	32.3	25.42	21	32.3	G2 L	C7	4423	C -31 7103
84		7.1T	14 59.219	-0.0026	10	-39 54 24.86	-0.021	10	0.44	59.325	15	09.1	25.69	17	09.6	K0	GC	12820	C -39 5345
85		5.4T	14 59.395	-0.0013	07	-39 11 27.35	-0.034	07	0.32	59.448	14	09.1	25.83	14	05.8	K0	GC	12821	C#-38 5430
86	10.7	9.4W	15 6.470	-0.0005	13	-35 14 33.63	-0.021	13	0.26	6.476	15	36.3	33.34	21	36.3	K2 L	C8	4186	C -34 5755
87	10.3		15 13.868	-0.0008	18	-38 2 1.27	0.020	18	0.31	13.878	15	36.3	1.54	21	36.3	A	C8	4187	C -37 5612
88	10.0	9.4W	15 15.619	-0.0015	13	-38 36 12.64	-0.007	13	0.26	15.639	15	36.3	12.54	21	36.3	G5	C8	4189	C -38 5436
89	9.0	8.1W	15 17.359	-0.0009	21	-32 25 27.21	0.034	21	0.43	17.374	22	32.3	27.82	21	32.3	G5	C7	4424	C -32 6240
90	9.7	9.5W	15 20.349	-0.0014	09	-38 19 58.67	0.027	09	0.22	20.368	15	36.3	59.05	21	36.3	F5	C8	4190	C -38 5438
91	8.2	8.4W	15 21.504	-0.0023	21	-32 19 13.76	0.003	21	0.43	21.544	22	32.3	13.82	21	32.3	A2	C7	4425	C -32 6241
92	10.5	9.6W	15 23.401	0.0004	21	-30 59 23.28	-0.005	21	0.43	23.394	22	32.3	23.20	21	32.3	K0 L	C7	4426	C -30 7396
93	9.4	8.6W	15 31.363	-0.0011	13	-36 9 43.96	0.028	13	0.26	31.377	15	36.3	44.34	21	36.3	K0	C8	4191	C -35 5546
94	11.6	10.4W	15 37.749	-0.0026	21	-31 46 58.76	0.020	21	0.43	37.794	22	32.3	59.12	21	32.3		C7	4427	C -31 7113
95	9.4	9.8W	15 39.631	-0.0025	21	-33 23 42.96	-0.007	21	0.43	39.676	22	32.3	42.83	21	32.3	A0	C7	4428	C -33 5933
96	10.1	10.4W	15 41.811	0.0004	21	-30 57 44.56	0.013	21	0.43	41.804	22	32.3	44.80	21	32.3	A0 L	C7	4429	C -30 7404
97		9.3R	15 43.430	-0.0027	20	-30 4 7.58	0.036	20	0.37	43.475	16	33.2	8.18	16	33.2	F8 M	13B	5971	J -29 7317
98	8.6	7.6W	15 44.269	-0.0020	07	-35 28 46.20	0.010	07	0.21	44.296	15	36.3	46.34	21	36.3	K2	C8	4193	C -35 5549
99	8.6	8.8W	15 47.861	-0.0006	10	-38 26 35.13	0.008	10	0.23	47.868	15	36.3	35.24	21	36.3	F2	C8	4195	C -38 5449
00	8.4	8.6W	15 50.855	-0.0038	18	-35 9 2.15	-0.004	18	0.31	50.906	15	36.3	2.04	21	36.3	A2	C8	4196	C -34 5764

200200			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 9H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.7	9.7W	9 15 52.184	-0.0018	21	-33 33 40.39	0.003	21	0.43	52.216	22	32.3	40.44	21	32.3	FO	C7	4430	C -33 5934	
2	9.8	8.6W	15 53.461	0.0010	21	-31 11 35.67	0.024	21	0.43	53.444	22	32.3	36.10	21	32.3	K2	C7	4431	C -30 7410	
3	11.2	10.0W	15 53.625	-0.0035	21	-34 48 6.82	0.019	21	0.43	53.687	22	32.3	7.15	21	32.3	G5 L	C7	4432	C -34 5765	
4		7.0T	15 56.329	-0.0137	13	-37 11 15.80	0.019	12	0.67	57.015	21	99.9	16.81	19	96.3	G0	GC	12837	C -36 5543	
5	10.2		15 57.678	-0.0002	18	-36 53 52.19	0.026	18	0.31	57.678	15	36.3	52.55	21	36.3	A2 L	C8	4199	C -36 3439	
6		9.3R	16 2.025	-0.0071	20	-30 14 40.46	-0.002	20	0.37	2.144	16	33.2	40.42	16	33.2	G2 M	13B	5976	J -29 7323	
7	9.6	9.9W	16 2.214	-0.0023	21	-32 9 42.57	-0.020	21	0.43	2.254	22	32.3	42.22	21	32.3	A2	C7	4433	C -31 7123	
8	9.9	10.0W	16 6.484	-0.0051	21	-31 29 2.16	-0.015	21	0.43	6.574	22	32.3	1.90	21	32.3	A0	C7	4434	C -31 7125	
9	9.3	9.4W	16 10.044	-0.0046	21	-33 37 50.30	0.042	21	0.43	10.126	22	32.3	51.04	21	32.3	A5	C7	4435	C -33 5943	
10	10.5	9.7W	16 11.070	-0.0003	21	-32 21 26.28	0.002	21	0.43	11.074	22	32.3	26.32	21	32.3	K0 L	C7	4436	C -32 6253	
11	10.3	9.7W	16 14.157	0.0020	21	-30 4 26.64	0.048	21	0.43	14.122	22	32.3	27.48	21	32.3	K0 L	C7	4437	C -29 7326	
12	10.9	9.2W	16 17.684	-0.0010	13	-36 6 44.32	0.001	13	0.26	17.697	15	36.3	44.34	21	36.3	M L	C8	4201	C -35 5556	
13	9.3	9.0W	16 19.402	-0.0069	21	-31 8 3.86	-0.026	21	0.43	19.524	22	32.3	3.40	21	32.3	F8	C7	4438	C -30 7415	
14	10.6		16 20.027	-0.0030	18	-37 36 58.95	0.043	18	0.31	20.068	15	36.3	59.55	21	36.3	A5 L	C8	4203	C -37 5631	
15	9.5	9.6W	16 20.101	-0.0002	21	-31 43 32.93	0.016	21	0.43	20.104	22	32.3	33.22	21	32.3	A0	C7	4439	C -31 7129	
16	9.9	8.9W	16 22.576	0.0004	13	-39 46 33.78	-0.010	13	0.26	22.570	15	36.3	33.64	21	36.3	K0	C8	4204	C -39 5369	
17	9.1	8.8W	16 25.831	-0.0012	13	-35 31 9.38	-0.025	13	0.26	25.847	15	36.3	9.04	21	36.3	F5	C8	4205	C -35 5558	
18	9.3	8.5W	16 29.781	-0.0012	09	-35 46 25.37	0.020	09	0.22	29.797	15	36.3	25.64	21	36.3	K0	C8	4206	C -35 5559	
19		6.7T	16 33.557	-0.0019	12	-38 49 57.81	0.012	12	0.65	33.651	18	00.3	58.43	21	97.5	A0	GC	12845	C -38 5457	
20	8.5	8.6W	16 34.820	-0.0014	21	-33 24 16.12	-0.022	21	0.43	34.846	22	32.3	15.73	21	32.3	A0	C7	4440	C -33 5952	
21		9.2R	16 35.549	0.0005	17	-30 27 54.45	-0.004	17	0.32	35.541	16	33.2	54.38	16	33.2	A0 M	13B	5990	J -30 7420	
22		7.5T	16 39.354	0.0025	13	-33 53 3.42	0.010	13	0.71	39.230	18	99.6	3.96	18	97.4	MB	GC	12850	C*-33 5953	
23	10.2	10.5W	16 40.965	0.0036	21	-30 21 26.99	-0.000	21	0.43	40.902	22	32.3	26.98	21	32.3	A5 L	C7	4442	C -30 7422	
24	10.6		16 42.895	0.0005	30	-37 37 11.53	0.045	30	0.45	42.888	15	36.3	12.14	21	36.3	A0 L	C8	4208	C -37 5636	
25	8.7	8.8W	16 45.361	0.0002	09	-37 11 51.44	-0.037	09	0.22	45.358	15	36.3	50.94	21	36.3	F0	C8	4209	C -36 5560	
26	9.8	9.5W	16 50.415	-0.0017	21	-33 12 5.59	-0.026	21	0.43	50.445	22	32.3	5.13	21	32.3	G0	C7	4443	C -32 6264	
27	10.4	8.7W	16 50.622	0.0016	13	-39 32 44.98	0.026	13	0.26	50.600	15	36.3	45.34	21	36.3	K5	C8	4210	C -39 5380	
28	8.8	7.8W	16 54.928	-0.0001	05	-39 13 19.12	-0.006	05	0.19	54.929	15	36.3	19.04	21	36.3	K0	C8	4211	C -38 5463	
29	10.0	9.1W	17 0.939	-0.0004	21	-34 19 1.08	0.015	21	0.43	0.946	22	32.3	1.34	21	32.3	K5	C7	4444	C -34 5780	
30	10.6	9.0W	17 3.219	-0.0028	13	-36 25 14.00	0.003	13	0.26	3.257	15	36.3	14.05	21	36.3	K5 L	C8	4212	C -36 5564	
31		9.2R	17 4.356	-0.0023	20	-30 18 21.39	0.031	20	0.37	4.395	16	33.2	21.91	16	33.2	F5 M	13B	5996	J -29 7346	
32	8.9	8.7W	17 12.674	-0.0012	21	-32 0 37.89	0.024	21	0.43	12.694	22	32.3	38.32	21	32.3	F5	C7	4445	C -31 7138	
33	10.2	9.8W	17 17.958	-0.0066	13	-36 36 35.05	0.014	13	0.26	18.048	15	36.3	35.24	21	36.3	G2 L	C8	4213	C -36 5566	
34	8.4	8.5W	17 19.299	-0.0015	18	-38 39 8.97	0.042	18	0.31	19.319	15	36.3	9.54	21	36.3	F0	C8	4214	C -38 5465	
35	10.2	9.6W	17 28.898	-0.0037	21	-30 34 7.75	0.025	21	0.43	28.963	22	32.3	8.20	21	32.3	K0 L	C7	4446	C -30 7434	
36	9.7	8.0W	17 29.054	-0.0023	21	-32 43 13.13	0.017	21	0.43	29.096	22	32.3	13.43	21	32.3	K5	C7	4447	C -32 6272	
37	10.2	8.9W	17 34.112	-0.0033	23	-35 33 10.52	-0.035	23	0.37	34.157	15	36.3	10.04	21	36.3	K2 L	C8	4215	C -35 5578	
38	10.6	9.8W	17 35.510	-0.0038	21	-34 39 1.03	0.013	21	0.43	35.577	22	32.3	1.25	21	32.3	K0 L	C7	4448	C -34 5784	
39	9.9	8.4W	17 37.140	0.0001	13	-37 56 1.80	-0.004	13	0.26	37.138	15	36.3	1.74	21	36.3	K5	C8	4216	C -37 5651	
40	10.9	10.4W	17 42.468	0.0025	21	-31 5 37.03	0.015	21	0.43	42.424	22	32.3	37.30	21	32.3		C7	4449	C -30 7441	
41		6.5T	17 43.408	-0.0007	12	-33 53 27.57	-0.013	08	0.56	43.446	18	98.5	26.89	15	96.2	B8	GC	12873	C*-33 5973	
42	10.6	9.4W	17 43.759	-0.0026	21	-33 25 55.57	-0.019	21	0.43	43.806	22	32.3	55.23	21	32.3	M5 L	C7	4451	C -33 5972	
43	9.7	9.2W	17 45.453	-0.0068	21	-31 28 50.18	0.063	21	0.43	45.574	22	32.3	51.30	21	32.3	G5	C7	4452	C -31 7150	
44	10.1	8.5W	17 48.813	-0.0011	09	-36 53 16.97	-0.017	09	0.22	48.828	15	36.3	16.74	21	36.3	K5	C8	4218	C -36 5572	
45	8.0	7.0W	17 54.590	-0.0034	07	-35 17 10.97	0.064	07	0.21	54.636	15	36.3	11.84	21	36.3	K0	C8	4219	C -34 5790	
46	9.6	8.8W	17 56.438	-0.0049	21	-32 28 5.75	0.015	21	0.43	56.524	22	32.3	6.02	21	32.3	G6	C7	4453	C -32 6279	
47	10.0	9.1W	17 59.609	-0.0030	13	-39 15 55.76	0.035	13	0.26	59.649	15	36.3	56.25	21	36.3	K0	C8	4220	C -38 5474	
48	9.5	8.7W	18 1.719	0.0021	13	-39 57 25.62	0.001	13	0.26	1.690	15	36.3	25.64	21	36.3	K0	C8	4221	C -39 5408	
49	9.4	8.5W	18 3.995	-0.0024	09	-36 21 8.52	-0.013	09	0.22	4.027	15	36.3	8.34	21	36.3	K0	C8	4222	C -36 5575	
50	10.0	9.4W	18 10.937	-0.0017	21	-34 33 45.12	0.047	21	0.43	10.967	22	32.3	45.95	21	32.3	K0 L	C7	4454	C -34 5795	
51	9.1	7.7W	9 18 11.627	-0.0001	09	-36 44 29.84	-0.007	09	0.22	11.628	15	36.3	29.74	21	36.3	K2	C8	4223	C -36 5578	
52	8.5	8.5W	18 12.187	0.0001	21	-31 50 29.92	-0.006	21	0.43	12.184	22	32.3	29.82	21	32.3	A2	C7	4455	C -31 7155	
53	9.6	8.6W	18 15.319	-0.0007	13	-37 9 19.66	-0.023	13	0.26	15.328	15	36.3	19.34	21	36.3	G5	C8	4224	C -36 5581	
54	10.2	9.2W	18 23.265	-0.0034	21	-31 35 26.05	0.004	21	0.43	23.324	22	32.3	26.12	21	32.3	K0 L	C7	4456	C -31 7159	
55	9.6	8.2W	18 23.705	-0.0010	13	-37 7 34.92	-0.006	13	0.26	23.718	15	36.3	34.84	21	36.3	K5	C8	4225	C -36 5582	
56	9.2	9.2W	18 26.149	-0.0028	11	-35 41 24.29	-0.018	11	0.24	26.187	15	36.3	24.04	21	36.3	A2	C8	4227	C -35 5594	
57		6.1T	18 28.982	-0.0019	11	-37 22 6.05	-0.021	08	0.56	29.082	18	97.2	4.82	15	92.0	K0	GC	12893	C -37 5668	
58		7.2T	18 37.086	-0.0030	08	-31 32 50.69	-0.014	07	0.44	37.251	15	94.5	49.89	14	90.6	A0	GC	12900K	C*-31 7162	
59		8.0Q	18 37.373	-0.0021	15	-31 32 50.07	-0.024	14	0.77	37.479	18	98.8	48.80	18	98.0		GC	12902K	C -31 7162	
60	9.4	9.4W	18 37.448	-0.0009	21	-30 30 14.38	0.012	21	0.43	37.463	22	32.3	14.60	21	32.3	F0	C7	4458	C -30 7456	
61	9.8	9.0W	18 38.510	0.0001	13	-39 41 12.57	0.020	13	0.26	38.510	15	36.3	12.84	21	36.3	K0	C8	4229	C -39 5416	
62	10.0	9.1W	18 42.732	0.0010	09	-36 36 38.84	-0.007	09	0.22	42.718	15	36.3	38.74	21	36.3	K0	C8	4230	C -36 5587	
63	10.8	10.2W	18 47.870	-0.0057	23	-36 2 47.81	-0.005	23	0.37	47.947	15	36.3	47.74	21	36.3	G8 L	C8	4231	C -35 5599	
64	9.4	9.3W	18 51.875	-0.0028	21	-33 26 14.65	0.276	21	0.43	51.926	22	32.3	19.53	21	32.3	F5	C7	4459	C -33 5985	
65	9.7	10.0W	18 55.735	-0.0018	18	-38 31 36.52	0.009	18	0.31	55.759	15	36.3	36.64	21	36.3	B8	C8	4232	C -38 5492	
66	10.5	9.5W	18 58.734	-0.0041	21	-34 50 17.29	-0.002	21	0.43	58.807	22	32.3	17.25	21	32.3	K0 L	C7	4460	C -34 5807	
67	8.7	9.1W	19 3.356	-0.0022	21	-32 4 1.00	0.018	21	0.43	3.394	22	32.3	1.32	21	32.3	B0	C7	4461	C -31 7170	
68		7.5T	19 7.140	-0.0049	12	-35 8 38.85	-0.004	12	0.65	7.391	18	99.0	38.62	19	98.2	F2	GC	12910K	C*-34 5809	
69	9.4	9.0W	19 11.044	-0.0004	13	-38 33 51.29	-0.011	13	0.26	11.049	15	36.3	51.14	21	36.3	A5	C8	4234	C -38 5495	
70	10.6	9.8W	19 11.622	-0.0025	13	-35 24 19.34	0.022	13	0.26	11.656	15	36.3	19.64	21	36.3	K0 L	C8	4235	C -35 5603	
71	9.1	9.0W	19 13.341	0.0002	09	-36 38 41.28	-0.025	09	0.22	13.338	15	36.3	40.94	21	36.3	F5	C8	4236	C -36 5594	
72		7.9T	19 17.789	-0.0017	13	-30 35 34.05	0.010	12	0.68	17.873	21	00.1	34.56	18	99.0	A2	GC	12918	C*-30 7464	
73	9.9	9.7W	19 20.457	-0.0001	09	-36 32 46.64	-0.066	09	0.22	20.458	15	36.3	45.74	21	36.3	G0	C8	4237	C -36 5596	
74	10.5	9.2W	19 20.673	-0.0047	21	-34 12 9.73	0.001	21	0.43	20.756	22	32.3	9.74	21	32.3	K2 L	C7	4463	C -33 5989	
75	8.7	7.5W	19 26.120	-0.0054	21	-34 7 22.58	0.026	21	0.43	26.216	22	32.3	23.04	21	32.3	K0	C7	4464	C -33 5992	
76	9.2	7.9W	19 34.095	-0.0018	06	-39 28 56.41	0.002	06	0.20	34.119	15	36.3	56.44	21	36.3	K2	C8	4238	C -39 5432	
77	9.8	8.8W	19 35.966	-0.0016	11	-36 57 46.52	-0.020	11	0.24	35.988	15	36.3	46.25	21	36.3	K0	C8	4239	C -36 5600	
78	10.4	9.4W	19 42.023	-0.0035	21	-33 15 37.53	0.034	21	0.43	42.086	22	32.3	38.13	21	32.3	K2 L	C7	4465	C -32 6305	
79	10.1	9.1W	19 45.373	0.0009	13	-39 44 31.36	0.013	13	0.26	45.360	15	36.3	31.54	21	36.3	K0	C8	4240	C -39 5433	
80	9.1	8.9W	19 56.629	-0.0030	13	-39 13 6.47	0.042	13	0.26	56.669	15	36.3	7.04	21	36.3	F2	C8	4242	C -38 5505	
81	9.5	8.7W	20 0.294	-0.0030	21	-34 49 48.63	0.013	21	0.43	0.347	22	32.3	48.85	21	32.3	K2	C7	4466	C -34 5818	
82	10.4	9.6W	20 1.371	0.0009	23	-36 57 25.05	0.021	23	0.37	1.358	15	36.3	25.34	21	36.3		C8	4243	C -36 5609	
83	8.4	8.6W	20 2.905	-0.0034	21	-31 35 2.94	0.027	21	0.43	2.964	22	32.3	3.42	21	32.3	A0	C7	4467	C -31 7191	
84	10.9	9.3W	20 5.640	-0.0050	13	-36 50 57.38	-0.010	13	0.26	5.708	15	36.3	57.24	21	36.3	G8 L	C8	4244	C -36 5610	
85	9.8	10.0W	20 15.900	0.0002	18	-36 14 48.68	-0.003	18	0.31	15.897	15	36.3	48.64	21	36.3	A0	C8	4245	C -35 5622	
86	9.5	9.0W	20 15.992	-0.0488	21	-31 56 18.41	0.249	21	0.43	16.854	22	32.3	22.82	21	32.3	K0	C7	4469	C -31 7195	
87	9.0	7.7W	20 16.148	-0.0027	21	-33 47 20.99	0.043	21	0.43	16.196	22	32.3	21.74	21	32.3	K2	C7	4468	C -33 6008	
88	8.6	7.7W	20 17.943	-0.0002	21	-34 45 44.90	0.009	21	0.43	17.947	22	32.3	45.05	21	32.3	K0	C7	4470	C -34 5822	
89		7.3T	20 21.982	0.0004	18	-39 9 56.63	-0.001	15	0.82	21.963	24	04.0	56.57	22	01.1	K2	GC	12935	C*-38 5514	
90	9.7	9.9W	20 22.732	0.0004	21	-32 31 45.83	-0.017	21	0.43	22.726	22	32.3	45.53	21	32.3	A0 L	C7	4471	C*-32 6318	
91	10.5	9.2W	20 22.938	-0.0033	21	-33 53 41.30	0.008	21	0.43	22.996	22	32.3	41.44	21	32.3	K5 L	C7	4472	C -33 6009	
92	10.7	9.5W	20 25.148	0.0015	23	-35 34 38.14	-0.022	23	0.37	25.127	15	36.3	37.84	21	36.3	A2 L	C8	4247	C -35 5629	
93	9.6	8.7W	20 25.826	-0.0010	10	-39 26 19.86	-0.016	10	0.23	25.839	15	36.3	19.65	21	36.3	K0	C8	4248	C -39 5442	
94	10.1	10.2W	20 27.090	-0.0043	18	-37 59 52.26	0.035	18	0.31	27.148	15	36.3	52.74	21	36.3	A0 L	C8	4249	C -37 5699	
95	9.9	9.1W	20 27.161	0.0009	21	-32 23 48.17	-0.043	21	0.43	27.144	22	32.3	47.42	21	32.3	K0	C7	4475	C -32 6322	
96	8.8	7.7W	20 31.018	0.0028	18	-39 6 5.87	-0.009	18	0.31	30.979	15	36.3	5.75	21	36.3	K0	C8	4250	C -38 5517	
97	9.4	8.6W	20 33.299	-0.0014	13	-38 14 54.64	-0.007	13	0.26	33.318	15	36.3	54.55	21	36.3	K0	C8	4251	C -37 5701	
98	9.4	9.6W	20 34.820	0.0014	13	-39 34 23.41	-0.005	13	0.26	34.800	15	36.3	23.34	21	36.3	A0	C8	4252	C -39 5445	
99		6.5T	20 38.528	-0.0060	13	-39 33 40.68	0.071	12	0.66	38.823	18	00.8	44.15	17	00.9	K0	GC	12942	C*-39 5446	
00		7.8T	20 38.543	-0.0021	14	-30 18 38.59	-0.037	12	0.71	38.649	19	99.5	36.64	18	97.3	A3	GC	12943	C -29 7391	

200300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 9H DM NUMBER
1	7.6	7.1W	9 20 46.471	-0.0077	05	-35 18 26.31	-0.122	05	0.19	46.576	15	36.3	24.64	21	36.3	F8	C8	4254	C -34 5827
2	9.8	9.1W	20 48.100	0.0009	21	-30 44 32.55	-0.020	21	0.43	48.084	22	32.3	32.20	21	32.3	K0	C7	4475	C -30 7487
3	7.8	8.0W	20 50.701	-0.0043	21	-34 39 33.27	-0.046	21	0.43	50.777	22	32.3	32.45	21	32.3	A0	C7	4476	C -34 5828
4	9.6	9.9W	20 54.974	-0.0039	13	-35 51 27.59	0.018	13	0.26	55.027	15	36.3	27.84	21	36.3	A0	C8	4255	C -35 5642
5	8.9	8.6W	21 4.644	-0.0010	21	-30 16 28.12	-0.047	21	0.43	4.662	22	32.3	27.28	21	32.3	F2	C7	4477	C -29 7401
6	10.1	10.5W	21 4.730	-0.0020	21	-31 58 22.25	0.004	21	0.43	4.764	22	32.3	22.32	21	32.3	A0 L	C7	4478	C -31 7209
7	9.4	8.9W	21 4.917	-0.0010	13	-39 44 16.05	-0.030	13	0.26	4.930	15	36.3	15.64	21	36.3	K2	C8	4256	C -39 5452
8	10.0	9.3W	21 13.689	-0.0021	21	-34 3 6.58	-0.002	21	0.43	13.726	22	32.3	6.54	21	32.3	K0 L	C7	4479	C -33 6023
9	10.1		21 16.058	-0.0037	13	-36 43 9.90	0.047	13	0.26	16.108	15	36.3	10.54	21	36.3	A5 L	C8	4257	C -36 5624
10	11.0	9.7W	21 18.918	0.0002	21	-33 24 51.67	-0.002	21	0.43	18.916	22	32.3	51.63	21	32.3		C7	4480	C -33 6025
11	9.8	8.8W	21 21.724	-0.0025	13	-38 6 34.88	-0.010	13	0.26	21.758	15	36.3	34.74	21	36.3	K0	C8	4259	C -37 5717
12	9.3	9.3W	21 28.965	0.0005	13	-37 55 31.09	-0.040	13	0.26	28.958	15	36.3	30.54	21	36.3	A0	C8	4260	C -37 5719
13	9.9	9.5W	21 29.691	-0.0064	18	-37 9 41.83	-0.028	18	0.31	29.778	15	36.3	41.44	21	36.3	G0	C8	4261	C -36 5625
14		6.7T	21 33.596	0.0004	14	-32 59 6.25	0.018	13	0.72	33.574	19	00.4	7.20	19	98.3	A0	GC	12966	C -32 6340
15	8.9	8.7W	21 34.636	-0.0002	18	-38 21 44.30	-0.041	18	0.31	34.638	15	36.3	43.74	21	36.3	F5	C8	4262	C -38 5527
16	10.5	8.9W	21 36.354	-0.0018	13	-37 12 26.60	0.003	13	0.26	36.378	15	36.3	26.64	21	36.3	K2 L	C8	4263	C -36 5628
17	10.1	10.4W	21 40.548	-0.0003	21	-30 41 46.61	0.005	21	0.43	40.554	22	32.3	46.70	21	32.3	A0 L	C7	4482	C -30 7502
18	10.0	9.1W	21 40.617	-0.0022	21	-33 37 14.33	0.018	21	0.43	40.656	22	32.3	14.64	21	32.3	K2 L	C7	4483	C -33 6030
19	9.4	9.7W	21 41.257	-0.0044	13	-35 35 20.91	0.002	13	0.26	41.317	15	36.3	20.95	21	36.3	A0	C8	4265	C -35 5652
20		6.5T	21 44.079	-0.0075	11	-37 32 31.05	0.014	10	0.60	44.462	21	98.9	31.79	21	96.3	A2	GC	12971	C -37 5721
21	9.7	8.7W	21 45.663	-0.0018	23	-36 26 59.24	0.015	23	0.37	45.687	15	36.3	59.44	21	36.3	K2	C8	4267	C -36 5631
22		6.6T	21 45.866	0.0010	12	-35 1 54.92	-0.009	12	0.65	45.817	18	00.0	54.44	18	98.5	A0	GC	12973	C#-34 5839
23	10.4	9.8W	21 47.606	-0.0038	21	-31 10 55.68	0.018	21	0.43	47.673	22	32.3	56.00	21	32.3	G5 L	C7	4485	C -30 7507
24	10.2	8.8W	21 47.948	-0.0015	13	-37 59 24.40	-0.019	13	0.26	47.968	15	36.3	24.14	21	36.3	K5	C8	4269	C -37 5724
25	10.0	9.1W	21 59.021	-0.0025	21	-32 37 35.94	-0.006	21	0.43	59.066	22	32.3	35.83	21	32.3	K2	C7	4486	C -32 6343
26	10.0	9.8W	22 1.048	-0.0073	13	-36 4 0.87	0.005	13	0.26	1.147	15	36.3	0.95	21	36.3	G0 L	C8	4270	C -35 5656
27	10.5	9.5W	22 4.928	0.0008	21	-32 7 0.68	-0.033	21	0.42	4.914	22	32.8	0.12	21	32.8	K0 L	C7	4487	C -31 7223
28	10.2	9.6W	22 7.835	0.0001	21	-30 32 38.76	0.025	21	0.42	7.834	22	32.8	39.20	21	32.8	K0 L	C7	4488	C -30 7516
29	9.1	9.7W	22 8.014	-0.0045	21	-30 12 18.14	0.026	21	0.42	8.092	22	32.8	18.58	21	32.8	A0	C7	4489	C -29 7424
30		6.2T	22 17.045	0.0005	13	-39 12 34.22	-0.039	10	0.61	17.020	21	01.9	32.17	19	97.8	A2	GC	12983	C -38 5541
31	8.8	8.6W	22 20.995	0.0006	21	-33 27 50.08	-0.026	21	0.42	20.986	22	32.8	49.63	21	32.8	F5	C7	4490	C -33 6039
32	10.1	9.9W	22 21.234	-0.0053	21	-32 3 39.75	0.004	21	0.42	21.324	22	32.8	39.82	21	32.8	G2 L	C7	4491	C -31 7228
33	8.8	9.1W	22 22.477	-0.0031	13	-38 53 1.58	-0.010	13	0.26	22.519	15	36.3	1.44	21	36.3	A0	C8	4273	C -38 5542
34	10.5	9.1W	22 23.066	-0.0030	13	-36 17 45.86	0.006	13	0.26	23.107	15	36.3	45.94	21	36.3	K2 L	C8	4274	C -35 5657
35	9.8	8.8W	22 23.508	0.0006	07	-38 36 30.32	0.016	07	0.21	23.499	15	36.3	30.54	21	36.3	K0	C8	4275	C -38 5543
36		9.0R	22 33.097	0.0013	17	-30 3 48.92	0.021	17	0.32	33.075	16	33.2	49.27	16	33.2	A3 M	13B	6082	J -29 7431
37	8.2	8.6W	22 34.124	-0.0003	11	-36 44 10.95	-0.008	11	0.24	34.128	15	36.3	10.84	21	36.3	B9	C8	4276	C -36 5642
38	9.8	8.7W	22 48.140	-0.0021	09	-37 5 56.45	-0.008	09	0.22	48.168	15	36.3	56.34	21	36.3	G5	C8	4279	C -36 5644
39	9.8	9.4W	22 51.173	0.0003	13	-37 29 17.67	0.005	13	0.26	51.168	15	36.3	17.75	21	36.3	F0	C8	4280	C -37 5743
40	10.1	9.7W	22 54.254	-0.0011	18	-38 36 28.93	0.059	18	0.31	54.269	15	36.3	29.74	21	36.3	G0 L	C8	4281	C -38 5549
41	7.6	7.7W	22 57.014	-0.0039	10	-35 41 21.68	-0.032	10	0.23	57.067	15	36.3	21.24	21	36.3	A3	C8	4282	C -35 5664
42	9.4	9.6W	23 8.879	-0.0033	21	-34 26 30.31	-0.033	21	0.42	8.936	22	32.8	29.74	21	32.8	A2	C7	4492	C -34 5855
43	8.8	8.8W	23 9.297	0.0006	13	-38 23 11.12	-0.006	13	0.26	9.288	15	36.3	11.04	21	36.3	A2	C8	4284	C -38 5553
44	8.2	8.2W	23 14.882	-0.0033	07	-36 10 22.93	0.008	07	0.21	14.927	15	36.3	23.04	21	36.3	A3	C8	4285	C -35 5668
45	9.0	8.8W	23 15.767	0.0014	23	-35 43 21.00	-0.041	23	0.37	15.747	15	36.3	20.44	21	36.3	F8	C8	4286	C -35 5667
46	9.6	9.6W	23 21.626	-0.0038	21	-30 18 54.76	0.025	21	0.42	21.692	22	32.8	55.18	21	32.8	F5	C7	4493	C -29 7448
47	10.3	9.6W	23 23.395	-0.0040	21	-30 38 32.97	0.013	21	0.42	23.464	22	32.8	33.20	21	32.8	G5 L	C7	4494	C -30 7539
48	9.3	8.9W	23 24.770	0.0015	21	-32 2 35.31	-0.052	21	0.42	24.744	22	32.8	34.42	21	32.8	G5	C7	4495	C -31 7251
49		9.2R	23 26.775	-0.0033	12	-30 16 9.53	0.026	12	0.26	26.831	16	33.2	9.96	16	33.2	F5 M	13B	6097	J -29 7450
50	9.0	8.8W	23 34.012	-0.0041	09	-37 3 13.56	-0.016	09	0.22	34.068	15	36.3	13.34	21	36.3	F2	C8	4288	C -36 5657
51	9.1	9.4W	9 23 34.412	-0.0043	21	-33 52 38.52	-0.016	21	0.42	34.486	22	32.8	38.24	21	32.8	A0	C7	4496	C -33 6054
52	9.4	9.3W	23 34.636	-0.0046	21	-32 33 5.18	-0.003	21	0.42	34.716	22	32.8	5.13	21	32.8	F8	C7	4497	C -32 6381
53	10.4	9.9W	23 36.020	-0.0049	21	-30 50 37.61	0.005	21	0.42	36.104	22	32.8	37.70	21	32.8	K0 L	C7	4498	C -30 7546
54	8.7	8.0W	23 36.327	-0.0040	21	-34 6 20.64	-0.011	21	0.42	36.396	22	32.8	20.44	21	32.8	K0	C7	4499	C -33 6055
55	10.7	9.7W	23 37.430	0.0015	21	-32 18 7.52	-0.018	21	0.42	37.404	22	32.8	7.22	21	32.8	K2 L	C7	4500	C -31 7256
56	8.9	7.7W	23 38.021	-0.0014	21	-32 57 26.00	0.019	21	0.42	38.046	22	32.8	26.33	21	32.8	K5	C7	4501	C -32 6383
57	10.0	9.2W	23 39.432	-0.0019	21	-33 24 34.46	-0.013	21	0.42	39.465	22	32.8	34.23	21	32.8	K0 L	C7	4502	C -33 6056
58	10.3	9.1W	23 40.484	-0.0039	23	-35 34 15.18	-0.025	23	0.37	40.537	15	36.3	14.84	21	36.3	K2 L	C8	4289	C -35 5669
59	9.1	8.7W	23 42.443	0.0025	11	-36 35 19.70	-0.034	11	0.24	42.408	15	36.3	19.24	21	36.3	F8	C8	4291	C -36 5658
60	9.2	9.2W	23 43.970	-0.0032	21	-31 58 7.70	-0.005	21	0.42	44.024	22	32.8	7.62	21	32.8	F5	C7	4503	C -31 7261
61	9.0	9.1W	23 45.611	-0.0013	18	-37 22 51.85	0.021	18	0.31	45.628	15	36.3	52.15	21	36.3	A0	C8	4292	C -37 5755
62	9.4	8.5W	23 48.779	-0.0021	23	-36 8 7.70	-0.026	23	0.37	48.807	15	36.3	7.35	21	36.3	K2	C8	4293	C#-35 5671
63	9.0	8.3W	23 48.839	-0.0038	21	-32 13 15.59	-0.016	21	0.42	48.904	22	32.8	15.32	21	32.8	K0	C7	4504	C -31 7262
64		7.8T	23 50.715	-0.0015	16	-31 9 7.72	-0.021	13	0.76	50.788	17	00.7	6.65	18	97.0	A0	GC	13011	C -30 7551
65	10.2	9.3W	23 57.948	-0.0010	21	-32 18 29.98	0.008	21	0.42	57.964	22	32.8	30.12	21	32.8	K0 L	C7	4506	C -31 7264
66	8.0	8.0W	23 59.174	-0.0010	06	-35 45 6.74	-0.022	06	0.20	59.187	15	36.3	6.44	21	36.3	A5	C8	4294	C -35 5673
67	9.4	8.5W	24 0.121	-0.0013	23	-36 34 7.44	-0.037	23	0.37	0.138	15	36.3	6.94	21	36.3	K0	C8	4295	C -36 5662
68	9.2	9.1W	24 5.103	-0.0060	21	-33 49 17.31	0.014	21	0.42	5.206	22	32.8	17.55	21	32.8	F5	C7	4507	C -33 6066
69	9.9	8.4W	24 10.876	-0.0005	21	-33 7 10.85	0.028	21	0.42	10.886	22	32.8	11.33	21	32.8	K5 L	C7	4508	C -32 6391
70	10.6	9.5W	24 11.983	-0.0026	13	-37 8 27.65	-0.001	13	0.26	12.018	15	36.3	27.64	21	36.3	K2 L	C8	4296	C -36 5665
71	9.2	9.5W	24 15.186	0.0007	21	-31 24 34.54	-0.020	21	0.42	15.174	22	32.8	34.20	21	32.8	A0	C7	4509	C -31 7271
72	9.8	10.3W	24 15.202	-0.0055	13	-35 59 29.66	-0.031	13	0.26	15.277	15	36.3	29.24	21	36.3	A0	C8	4297	C -35 5676
73	8.9	9.1W	24 28.838	-0.0017	21	-34 56 44.97	0.005	21	0.42	28.867	22	32.8	45.05	21	32.8	A0	C7	4510	C -34 5879
74		6.9T	24 29.656	-0.0014	13	-33 40 46.86	-0.056	10	0.64	29.728	17	00.1	43.79	18	94.9	G5	GC	13030	C -33 6070
75	9.1	9.2W	24 31.851	-0.0055	21	-34 21 55.06	-0.060	21	0.42	31.946	22	32.8	54.05	21	32.8	A5	C7	4512	C -34 5878
76	9.4	9.7W	24 36.408	-0.0015	13	-36 37 24.42	-0.020	13	0.26	36.428	15	36.3	24.14	21	36.3	B9	C8	4298	C -36 5671
77	9.6	9.4W	24 38.019	-0.0014	18	-38 0 17.84	0.036	18	0.31	38.038	15	36.3	18.34	21	36.3	F2	C8	4299	C -37 5776
78	8.3	8.6W	24 47.001	-0.0056	13	-35 47 10.42	0.016	13	0.26	47.077	15	36.3	10.65	21	36.3	B9	C8	4300	C -35 5684
79	10.7	9.5W	24 47.559	0.0009	21	-30 45 42.98	-0.011	21	0.42	47.544	22	32.8	42.80	21	32.8	K0 L	C7	4513	C -30 7568
80	9.2	9.4W	24 55.864	-0.0012	13	-39 40 50.32	0.001	13	0.26	55.880	15	36.3	50.34	21	36.3	A0	C8	4301	C -39 5513
81	10.6	10.0W	25 7.944	-0.0016	21	-30 20 39.81	0.051	21	0.42	7.972	22	32.8	40.68	21	32.8	G5 L	C7	4514	C -30 7571
82		7.1T	25 8.222	-0.0033	14	-33 34 22.89	-0.067	12	0.71	8.388	17	00.2	19.38	19	97.3	K0	GC	13045	C -33 6077
83	8.5	8.5W	25 10.419	-0.0004	21	-33 54 35.93	-0.022	21	0.42	10.426	22	32.8	35.54	21	32.8	A0	C7	4516	C -33 6080
84	9.7	9.8W	25 12.386	0.0020	18	-37 5 55.53	-0.036	18	0.31	12.358	15	36.3	55.04	21	36.3	A5	C8	4302	C -36 5680
85	9.4	9.4W	25 12.440	-0.0005	13	-35 12 1.43	-0.021	13	0.26	12.446	15	36.3	1.15	21	36.3	A0	C8	4303	C -34 5889
86	8.7	9.1W	25 13.832	-0.0025	21	-32 39 58.43	-0.000	21	0.42	13.876	22	32.8	58.43	21	32.8	A0	C7	4517	C -32 6407
87	9.8	9.6W	25 14.498	-0.0039	21	-32 24 7.70	-0.005	21	0.42	14.564	22	32.8	7.62	21	32.8	F3 L	C7	4518	C -32 6406
88	7.8	7.8W	25 20.125	-0.0010	13	-36 39 42.43	-0.036	13	0.26	20.138	15	36.3	41.94	21	36.3	A0	C8	4304	C -36 5682
89	10.1	9.2W	25 20.339	-0.0049	13	-35 11 12.93	-0.014	13	0.26	20.406	15	36.3	12.74	21	36.3	K0 L	C8	4305	C -34 5891
90	9.4	8.1W	25 24.675	0.0012	21	-31 17 12.85	0.014	21	0.42	24.654	22	32.8	13.10	21	32.8	K5	C7	4519	C -30 7575
91	8.8	8.6W	25 29.811	-0.0100	09	-35 59 5.10	0.003	09	0.22	29.947	15	36.3	5.14	21	36.3	F8	C8	4306	C -35 5698
92		6.5T	25 33.688	-0.0027	08	-34 47 20.24	-0.034	06	0.36	33.805	15	06.1	18.62	15	02.2	A3	GC	13055	C -34 5895
93	9.5	9.3W	25 41.393	-0.0011	13	-37 8 33.24	-0.007	13	0.26	41.408	15	36.3	33.14	21	36.3	F0	C8	4307	C -36 5688
94	9.6	9.7W	25 41.739	-0.0022	18	-39 14 9.62	-0.006	18	0.31	41.769	15	36.3	9.54	21	36.3	A2	C8	4308	C -38 5592
95	10.6	9.2W	26 1.572	-0.0008	21	-34 12 9.53	0.007	21	0.42	1.586	22	32.8	9.64	21	32.8	K5 L	C7	4521	C -33 6095
96	10.7	9.4W	26 6.495	0.0012	13	-36 37 12.30	-0.026	13	0.26	6.478	15	36.3	11.94	21	36.3	K2 L	C8	4309	C -36 5693
97	9.8	9.0W	26 8.758	-0.0021	21	-30 54 6.67	0.007	21	0.42	8.794	22	32.8	6.80	21	32.8	K0	C7	4522	C -30 7584
98		7.1T	26 9.624	-0.0012	12	-34 41 7.37	-0.017	12	0.63	9.684	18	98.9	6.50	18	98.4	B9	GC	13072	C -34 5905
99	7.9	8.3W	26 17.822	-0.0027	13	-37 59 52.01	-0.027	13	0.26	17.858	15	36.3	51.64	21	36.3	A0	C8	4310	C -37 5803
00		9.3R	26 22.371	-0.0010	17	-30 4 16.97	0.008	17	0.32	22.388	16	33.2	17.10	16	33.2	F5 M	13B	6134	J -29 7492

200400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.7	8.3W	9 26 24.156	-0.0031	13	-37 52 26.08	-0.025	13	0.26	24.198	15	36.3	25.75	21	36.3	K2		C8	4311	C -37 5806
2	10.8	10.0W	26 25.581	-0.0014	21	-32 17 42.84	0.016	21	0.42	25.604	22	32.8	43.12	21	32.8	G2	L	C7	4524	C -31 7315
3	9.1	8.9W	26 25.606	-0.0052	11	-35 57 39.15	-0.008	11	0.24	25.677	15	36.3	39.04	21	36.3	F2		C8	4312	C -35 5710
4	8.0	8.5W	26 29.307	0.0012	13	-39 52 38.63	-0.021	13	0.26	29.290	15	36.3	38.34	21	36.3	B9		C8	4313	C -39 5533
5	9.8	10.4W	26 29.579	-0.0015	21	-32 2 41.48	0.008	21	0.42	29.604	22	32.8	41.62	21	32.8	A0	L	C7	4525	C -31 7316
6	9.9	9.2W	26 30.541	-0.0021	21	-34 49 2.24	0.024	21	0.42	30.577	22	32.8	2.65	21	32.8	K0	L	C7	4526	C -34 5909
7	8.0	7.7W	26 38.423	-0.0054	06	-35 23 38.57	0.005	06	0.20	38.497	15	36.3	38.64	21	36.3	F5		C8	4314	C -35 5716
8	9.6	9.8W	26 39.955	-0.0033	13	-39 33 23.58	0.048	13	0.26	40.000	15	36.3	24.24	21	36.3	A0		C8	4315	C -39 5537
9	8.9	8.8W	26 43.868	-0.0037	09	-36 42 53.38	-0.003	09	0.22	43.918	15	36.3	53.34	21	36.3	A0		C8	4316	C -36 5711
10	9.0	9.3W	26 45.846	0.0005	13	-38 55 7.80	-0.012	13	0.26	45.839	15	36.3	7.64	21	36.3	B3		C8	4317	C -38 5612
11	9.2	9.6W	26 50.151	0.0004	21	-31 27 37.29	0.035	21	0.42	50.144	22	32.8	37.90	21	32.8	A0		C7	4527	C -31 7322
12	10.0	8.9W	26 51.062	-0.0025	21	-32 49 10.33	0.012	21	0.42	51.106	22	32.8	10.53	21	32.8	K0	L	C7	4528	C -32 6428
13	8.7	8.6W	26 54.466	-0.0046	09	-37 36 52.64	0.058	09	0.22	54.528	15	36.3	53.44	21	36.3	F8		C8	4318	C -37 5811
14	10.2	8.7W	27 1.986	-0.0002	10	-39 37 47.37	0.005	10	0.23	1.990	15	36.3	47.44	21	36.3	K5		C8	4319	C -39 5543
15	8.5	7.5W	27 8.403	-0.0027	18	-38 47 22.11	0.002	18	0.31	8.439	15	36.3	22.14	21	36.3	K0		C8	4320	C -38 5620
16		4.6H	27 10.760	-0.0020	03	-35 43 54.93	-0.007	02	0.10	10.825	04	18.3	54.70	04	17.7	K2		F4	356	C -35 5724
17	9.0	7.5W	27 11.625	-0.0035	21	-33 27 9.28	0.032	21	0.42	11.686	22	32.8	9.83	21	32.8	MB		C7	4529	C -33 6109
18	9.4	9.6W	27 11.799	-0.0161	21	-34 22 49.46	0.069	21	0.42	12.076	22	32.8	50.65	21	32.8	A0		C7	4530	C -34 5920
19		6.2T	27 15.366	-0.0077	14	-38 11 2.86	-0.016	12	0.71	15.746	22	00.6	2.01	21	97.8	A2		GC	13094	C -37 5817
20	9.8	9.7W	27 20.446	-0.0023	21	-34 14 42.02	-0.022	21	0.42	20.486	22	32.8	41.64	21	32.8	A8	L	C7	4531	C -33 6111
21	7.9	7.6W	27 22.569	-0.0004	21	-33 48 34.39	-0.008	21	0.42	22.576	22	32.8	34.24	21	32.8	F8		C7	4532	C -33 6113
22	9.1	8.9W	27 24.917	-0.0044	23	-36 3 49.31	0.024	23	0.37	24.977	15	36.3	49.64	21	36.3	A2		C8	4323	C -35 5727
23	10.9	10.3W	27 25.453	0.0001	21	-30 22 36.16	0.042	21	0.42	25.452	22	32.8	36.88	21	32.8	G5	L	C7	4533	C -30 7598
24	9.6	9.6W	27 32.200	-0.0014	21	-30 47 27.16	-0.004	21	0.42	32.224	22	32.8	27.10	21	32.8	A0		C7	4534	C -30 7601
25	9.0	7.9W	27 36.534	-0.0012	21	-33 5 26.36	0.010	21	0.42	36.556	22	32.8	26.53	21	32.8	K5		C7	4535	C -32 6441
26	10.7	9.6W	27 40.345	0.0001	21	-31 5 27.29	0.012	21	0.42	40.344	22	32.8	27.50	21	32.8	G5	L	C7	4536	C -30 7603
27	8.4	8.6W	27 40.877	0.0012	21	-35 7 22.70	-0.027	21	0.42	40.856	22	32.8	22.24	21	32.8	A0		C7	4537	C -34 5924
28	8.7	8.0W	27 41.022	-0.0006	13	-39 45 10.65	-0.001	13	0.26	41.030	15	36.3	10.64	21	36.3	G5		C8	4324	C -39 5561
29	8.8	8.7W	27 44.993	-0.0086	10	-39 33 58.61	0.082	10	0.23	45.110	15	36.3	59.74	21	36.3	F5		C8	4325	C -39 5563
30	9.7	9.6W	27 48.101	-0.0027	23	-36 15 48.15	0.014	23	0.37	48.137	15	36.3	48.34	21	36.3	F0		C8	4326	C -35 5732
31	9.6	9.4W	27 48.673	-0.0065	21	-31 47 40.10	0.024	21	0.42	48.784	22	32.8	40.52	21	32.8	G0	L	C7	4538	C -31 7336
32	9.8	9.2W	27 49.580	-0.0021	13	-37 57 40.73	0.030	13	0.26	49.608	15	36.3	41.14	21	36.3	G5		C8	4327	C -37 5824
33	9.1	9.3W	27 51.175	-0.0011	21	-31 19 36.96	0.031	21	0.42	51.194	22	32.8	37.50	21	32.8	A2		C7	4539	C -31 7337
34	7.9	8.1W	28 12.024	-0.0025	13	-36 52 2.82	0.031	13	0.26	12.058	15	36.3	3.24	21	36.3	A0		C8	4329	C -36 5723
35		6.9T	28 13.028	0.0018	15	-33 11 0.79	-0.012	13	0.73	12.938	19	00.9	0.18	19	97.9	K0		GC	13125	C* -32 6450
36		7.2T	28 13.450	-0.0047	13	-31 19 49.18	0.003	12	0.66	13.681	18	00.7	49.32	18	98.4	F2		GC	13126	C -30 7611
37	8.6	9.0W	28 13.480	0.0024	13	-36 21 33.79	-0.033	13	0.26	13.447	15	36.3	33.34	21	36.3	A0		C8	4330	C -36 5724
38	9.0	8.2W	28 20.066	-0.0069	21	-31 53 14.23	0.319	21	0.42	20.184	22	32.8	19.72	21	32.8	K0		C7	4542	C -31 7352
39	9.5	9.7W	28 22.125	-0.0029	21	-32 46 12.21	0.007	21	0.42	22.175	22	32.8	12.33	21	32.8	A		C7	4543	C -32 6453
40	9.7	9.2W	28 24.765	-0.0032	08	-36 44 49.94	0.066	08	0.21	24.808	15	36.3	50.84	21	36.3	G5	L	C8	4332	C -36 5726
41	9.6	8.7W	28 26.068	0.0004	21	-30 9 40.51	0.022	21	0.42	26.062	22	32.8	40.88	21	32.8	K0		C7	4544	C -29 7525
42	9.5	9.3W	28 26.993	-0.0011	09	-36 47 40.24	-0.029	09	0.22	27.008	15	36.3	39.85	21	36.3	F5		C8	4333	C -36 5727
43		8.8T	28 34.024	-0.0035	13	-38 8 30.59	-0.011	13	0.50	34.150	17	13.8	30.17	17	13.4	A0		GC	13134	C -37 5835
44		7.2T	28 36.972	-0.0013	11	-31 40 13.06	-0.029	08	0.57	37.041	18	96.0	11.31	17	90.6	A0		GC	13135K	C -31 7355
45		6.4T	28 37.520	0.0019	06	-31 40 5.92	-0.031	05	0.29	37.432	12	04.4	4.40	12	00.0	A0		GC	13137K	C -31 7355
46	9.5	9.0W	28 38.204	-0.0076	09	-36 25 23.46	-0.013	09	0.22	38.307	15	36.3	23.64	21	36.3	G5		C8	4335	C -36 5730
47	9.8	9.6W	28 43.703	0.0006	21	-32 21 6.69	-0.045	21	0.42	43.694	22	32.8	5.92	21	32.8	F0	L	C7	4546	C -32 6459
48		8.4T	28 45.208	-0.0060	18	-38 11 40.18	0.008	18	0.86	45.477	24	05.1	40.53	24	04.8	F5		GC	13142	C -37 5838
49	9.3	8.4W	28 54.154	-0.0025	18	-39 2 11.91	-0.005	18	0.31	54.189	15	36.3	11.85	21	36.3	K0		C8	4338	C -38 5644
50	9.8	8.7W	28 56.901	-0.0014	21	-31 47 48.65	-0.002	21	0.42	56.924	22	32.8	48.61	21	32.8	K5	L	C7	4547	C -31 7360
51	9.7	9.2W	9 28 59.131	0.0021	21	-31 56 4.36	-0.055	21	0.42	59.094	22	32.8	3.42	21	32.8	G5	L	C7	4548	C -31 7361
52	10.8	9.6W	29 2.689	-0.0014	21	-31 16 20.33	-0.002	21	0.42	2.713	22	32.8	20.30	21	32.8			C7	4549	C -30 7623
53	7.6	7.9W	29 5.722	-0.0004	11	-35 42 18.84	-0.007	11	0.24	5.727	15	36.3	18.74	21	36.3	A0		C8	4340	C -35 5746
54	9.9	8.9W	29 13.352	0.0024	13	-38 42 52.97	-0.039	13	0.26	13.319	15	36.3	52.44	21	36.3	K0		C8	4341	C -38 5649
55	10.6	9.9W	29 18.014	-0.0030	21	-34 17 57.07	0.028	21	0.42	18.066	22	32.8	57.54	21	32.8	G5	L	C7	4550	C -33 6141
56	9.8	9.3W	29 18.534	0.0007	21	-30 17 51.64	0.026	21	0.42	18.522	22	32.8	52.08	21	32.8	K0		C7	4551	C -29 7532
57	9.5	9.8W	29 18.551	-0.0033	13	-35 13 15.87	-0.002	13	0.26	18.596	15	36.3	15.84	21	36.3	A0		C8	4342	C -34 5950
58	9.9	8.6W	29 22.775	0.0034	13	-38 22 59.94	-0.051	13	0.26	22.728	15	36.3	59.24	21	36.3	K2		C8	4343	C -38 5652
59		6.0T	29 23.743	-0.0034	06	-31 39 2.14	-0.002	05	0.25	23.891	09	06.1	2.02	09	03.3	F0		GC	13152	C -31 7369
60	9.5	8.6W	29 26.839	-0.0015	21	-33 18 58.63	-0.017	21	0.42	26.866	22	32.8	58.33	21	32.8	K0		C7	4553	C -32 6477
61	8.0	7.1W	29 27.211	-0.0013	10	-36 31 44.70	0.025	10	0.23	27.228	15	36.3	45.05	21	36.3	K0		C8	4344	C -36 5740
62		6.0T	29 27.572	0.0113	11	-35 29 28.31	-0.180	11	0.58	26.993	17	98.7	18.88	17	97.7	K0		GC	13154	C -35 5751
63	9.6	8.9W	29 27.952	-0.0072	21	-33 48 40.55	0.017	21	0.42	28.076	22	32.8	40.84	21	32.8	K0		C7	4554	C -33 6144
64	10.1	10.0W	29 32.179	-0.0033	21	-33 46 53.77	-0.019	21	0.42	32.236	22	32.8	53.44	21	32.8	F8	L	C7	4555	C -33 6146
65	9.9	8.8W	29 33.038	0.0002	21	-32 25 45.27	0.014	21	0.42	33.034	22	32.8	45.52	21	32.8	K0	L	C7	4556	C -32 6478
66	8.4	8.6W	29 38.713	-0.0024	21	-31 34 36.44	-0.007	21	0.42	38.754	22	32.8	36.32	21	32.8	A0		C7	4557	C -31 7372
67	9.0	9.4W	29 45.217	-0.0044	13	-36 18 58.04	-0.007	13	0.26	45.277	15	36.3	57.94	21	36.3	A0		C8	4347	C -35 5754
68	9.2	9.2W	29 51.830	-0.0038	21	-33 22 41.78	-0.032	21	0.42	51.895	22	32.8	41.23	21	32.8	G5		C7	4558	C -33 6150
69	8.1	8.2W	29 51.959	-0.0050	21	-32 1 26.27	0.003	21	0.42	52.044	22	32.8	26.32	21	32.8	A2		C7	4559	C -31 7375
70	9.0	8.2W	29 54.316	0.0020	09	-36 38 16.28	0.012	09	0.22	54.288	15	36.3	16.45	21	36.3	K0		C8	4349	C -36 5745
71	9.2	8.8W	29 57.922	-0.0054	21	-33 12 43.20	0.002	21	0.42	58.016	22	32.8	43.23	21	32.8	G5		C7	4560	C -32 6482
72	9.4	8.3W	29 58.959	-0.0023	13	-39 30 3.90	0.025	13	0.26	58.990	15	36.3	4.24	21	36.3	K2		C8	4350	C -39 5599
73	10.0	9.1W	29 59.039	-0.0007	21	-30 23 3.57	-0.005	21	0.42	59.052	22	32.8	3.48	21	32.8	K0		C7	4561	C -30 7637
74		7.5T	29 59.488	-0.0034	13	-38 42 56.98	0.023	11	0.65	59.653	22	01.2	58.19	21	96.4	B9		GC	13167	C* -38 5667
75	8.9	8.0W	30 12.093	-0.0015	23	-35 47 48.25	-0.022	23	0.37	12.113	15	36.3	47.96	21	36.3	K0		C8	4353	C -35 5764
76	10.7	9.8W	30 15.204	-0.0057	21	-32 8 39.72	-0.017	21	0.42	15.302	22	32.8	39.43	21	32.8	G5	L	C7	4562	C -31 7381
77	10.6	9.2W	30 21.337	-0.0008	21	-31 10 3.84	0.033	21	0.42	21.351	22	32.8	4.41	21	32.8	K2	L	C7	4563	C -30 7647
78	9.4	9.6W	30 22.441	-0.0032	18	-38 13 20.61	0.003	18	0.31	22.484	15	36.3	20.66	21	36.3	A0		C8	4354	C -37 5856
79	9.1	9.4W	30 28.466	-0.0040	21	-33 46 30.54	0.001	21	0.42	28.534	22	32.8	30.55	21	32.8	A0		C7	4564	C -33 6157
80	8.2	8.5W	30 28.771	-0.0017	13	-38 5 40.05	0.000	13	0.26	28.794	15	36.3	40.06	21	36.3	A0		C8	4355	C* -37 5858
81	9.7	9.7W	30 32.948	-0.0037	21	-31 46 13.49	0.037	21	0.42	33.012	22	32.8	14.13	21	32.8	F2	L	C7	4565	C -31 7389
82	10.3	9.7W	30 36.745	-0.0029	21	-34 10 23.51	0.026	21	0.42	36.794	22	32.8	23.95	21	32.8	K0	L	C7	4566	C -33 6159
83	8.5	8.3W	30 41.154	-0.0008	09	-37 0 14.58	-0.038	09	0.22	41.164	15	36.3	14.06	21	36.3	F0		C8	4356	C -36 5757
84	11.0	10.0W	30 48.345	-0.0082	21	-34 58 35.48	0.063	21	0.42	48.485	22	32.8	36.56	21	32.8	G5	L	C7	4567	C -34 5968
85	8.2	8.4W	30 57.289	-0.0048	13	-37 56 29.75	-0.007	13	0.26	57.354	15	36.3	29.66	21	36.3	A0		C8	4357	C -37 5864
86	9.2	8.1W	30 58.216	-0.0045	21	-32 50 44.67	0.039	21	0.42	58.294	22	32.8	45.34	21	32.8	K5		C7	4568	C -32 6498
87	9.2	9.1W	31 0.271	-0.0100	21	-35 4 43.08	0.004	21	0.42	0.442	22	32.8	43.15	21	32.8	A5		C7	4569	C -34 5975
88	10.3		31 4.147	-0.0042	18	-37 20 47.77	0.006	18	0.31	4.204	15	36.3	47.86	21	36.3	A0	L	C8	4358	C -37 5865
89		9.9T	31 4.897	0.0028	18	-38 55 17.95	0.008	20	0.88	4.774	24	05.5	18.30	24	05.5	G0		GC	13196	C -38 5675
90	7.3	7.5W	31 5.672	0.0021	13	-36 10 55.15	0.015	13	0.26	5.643	15	36.3	55.36	21	36.3	A0		C8	4360	C* -35 5778
91	9.1	9.4W	31 6.477	-0.0032	21	-32 1 23.26	0.033	21	0.42	6.532	22	32.8	23.82	21	32.8	A0		C7	4570	C -31 7396
92		6.4T	31 6.694	-0.0030	11	-38 54 25.11	0.046	12	0.63	6.850	17	98.5	27.56	19	96.6	F2		GC	13198	C* -38 5676
93		7.0T	31 15.891	-0.0150	11	-38 24 57.70	0.043	11	0.63	16.710	21	95.5	* 0.05	19	95.2	G0		GC	13207	C* -38 5679
94	9.8	10.1W	31 16.173	0.0007	21	-30 42 25.07	0.031	21	0.42	16.161	22	32.8	25.61	21	32.8	A0	L	C7	4571	C -30 7656
95		10.0Q	31 16.788	-0.0005	20	-38 25 36.99	-0.010	26	1.06	16.812	29	03.8	36.54	27	05.8			GC	13209	C -38 5679
96	9.9	9.4W	31 16.935	0.0032	21	-30 26 38.50	-0.006	21	0.42	16.880	22	32.8	38.39	21	32.8	K0		C7	4572	C -30 7655
97	8.9	8.5W	31 25.872	0.0056	13	-39 8 35.83	0.002	13	0.26	25.795	15	36.3	35.86	21	36.3	G5		C8	4364	C -38 5680
98	9.6	9.1W	31 31.319	0.0005	13	-35 28 25.77	-0.067	13	0.26	31.312	15	36.3	24.86	21	36.3	F5		C8	4365	C -35 5783
99	10.4	8.8W	31 42.349	-0.0004	13	-36 42 30.49	-0.010	13	0.26	42.354	15	36.3	30.36	21	36.3	K2		C8	4366	C -36 5775
00			31 46.781	-0.0009	13	-36 23 34.79	-0.025	13	0.26	46.793	15	36.3	34.46	21	36.3	G5	L	C8	4367X	C -36 5776

200500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 9H DM NUMBER
1	8.0	8.1W	9 31 47.123	-0.0018	21	-32 43 45.58	0.010	21	0.42	47.154	22	32.8	45.74	21	32.8	A2	C7	4573	C -32 6510
2	9.4	8.6W	31 48.656	0.0003	21	-30 37 25.85	0.044	21	0.42	48.651	22	32.8	26.61	21	32.8	K6	C7	4574	C -30 7667
3		7.4T	31 49.199	-0.0103	12	-31 43 10.65	0.104	12	0.64	49.719	15	99.7	15.92	18	99.5	F5	GC	13216	C -31 7407
4	9.7	8.6W	31 49.585	0.0022	18	-38 9 54.16	0.007	18	0.31	49.554	15	36.3	54.26	21	36.3	K0	C8	4369	C -37 5878
5		7.4T	31 51.981	-0.0016	13	-31 47 59.54	0.026	13	0.71	52.064	17	99.0	0.93	18	97.4	K0	GC	13218	C -31 7409
6	10.6	9.0W	31 53.317	-0.0020	13	-36 51 21.48	-0.031	13	0.26	53.344	15	36.3	21.06	21	36.3	K5 L	C8	4371	C -36 5777
7	7.7	8.6W	31 58.615	-0.0028	13	-35 55 5.67	-0.016	13	0.26	58.653	15	36.3	5.46	21	36.3	A0	C8	4372	C -35 5790
8	10.6	10.2W	31 59.728	-0.0019	18	-38 24 48.40	-0.047	18	0.31	59.754	15	36.3	47.76	21	36.3	G0 L	C8	4373	C -38 5685
9	10.6	9.6W	32 0.496	-0.0040	21	-34 4 50.35	-0.023	21	0.42	0.564	22	32.8	49.95	21	32.8	K0 L	C7	4577	C -33 6172
10	10.1	9.6W	32 3.558	-0.0114	23	-36 54 27.28	-0.031	23	0.37	3.714	15	36.3	26.86	21	36.3	G0	C8	4374	C -36 5782
11	10.3	10.0W	32 8.732	-0.0035	21	-32 10 3.88	0.020	21	0.42	8.792	22	32.8	4.23	21	32.8	G0 L	C7	4578	C -31 7410
12	9.8	9.6W	32 12.991	0.0052	21	-32 21 8.76	-0.194	21	0.42	12.902	22	32.8	5.42	21	32.8	G2 L	C7	4579	C -32 6521
13	8.5	8.4W	32 15.686	0.0024	21	-33 30 42.05	-0.023	21	0.42	15.644	22	32.8	41.65	21	32.8	F0	C7	4580	C -33 6174
14	9.1	7.5W	32 17.253	-0.0021	13	-36 36 19.52	-0.012	13	0.26	17.284	15	36.3	19.36	21	36.3	K2	C8	4375	C -36 5786
15	8.6	8.8W	32 17.524	0.0007	13	-37 51 52.34	-0.043	13	0.26	17.514	15	36.3	51.76	21	36.3	A3	C8	4376	C -37 5884
16	9.2	9.2W	32 17.944	0.0012	21	-33 26 40.01	-0.004	21	0.42	17.924	22	32.8	39.94	21	32.8	F5	C7	4581	C -33 6175
17	10.2	9.9W	32 21.857	-0.0066	21	-31 21 57.79	-0.022	21	0.42	21.971	22	32.8	45.86	21	36.3	F5	C8	4377	C -38 5693
18	9.2	9.0W	32 22.570	-0.0011	10	-39 9 46.17	-0.023	10	0.23	22.585	15	36.3	45.86	21	32.8	A3 L	C7	4583	C -34 5993
19	9.5	9.9W	32 23.330	-0.0038	21	-34 42 53.39	-0.001	21	0.42	23.395	22	32.8	53.36	21	32.8	A3 L	C7	4583	C -34 5993
20		8.7T	32 24.843	-0.0033	17	-37 11 54.95	-0.007	13	0.74	24.996	21	04.0	54.60	19	00.6	A0	GC	13235	C -36 5787
21	8.2	8.6W	32 28.852	-0.0009	10	-39 12 24.85	-0.014	10	0.23	28.865	15	36.3	24.66	21	36.3	A2	C8	4379	C -38 5694
22	10.6	9.7W	32 45.714	-0.0051	21	-31 31 21.81	-0.034	21	0.42	45.802	22	32.8	21.23	21	32.8		C7	4564	C -31 7421
23	8.8	8.6W	32 46.556	-0.0035	13	-37 3 22.70	-0.025	13	0.26	46.604	15	36.3	22.36	21	36.3	G0	C8	4381	C -36 5788
24	8.6	8.4W	32 47.597	-0.0027	13	-37 2 14.90	-0.040	13	0.26	47.634	15	36.3	14.36	21	36.3	G0	C8	4382	C -36 5790
25		7.2T	32 50.557	-0.0002	15	-34 8 37.43	-0.009	11	0.68	50.566	18	01.7	36.97	18	97.9	B9	GC	13244	C -33 6183
26	10.0	9.1W	32 53.105	-0.0039	21	-32 8 11.63	-0.006	21	0.42	53.172	22	32.8	11.53	21	32.8	K0 L	C7	4586	C -31 7423
27	9.7	9.9W	32 55.517	-0.0031	21	-30 12 2.47	0.042	21	0.42	55.570	22	32.8	3.19	21	32.8	A0	C7	4587	C -29 7599
28	9.3	8.5W	33 0.702	-0.0002	18	-37 52 24.40	0.011	18	0.31	0.704	15	36.3	24.56	21	36.3	K0	C8	4383	C -37 5894
29	9.7	8.6W	33 0.778	0.0010	21	-31 12 1.09	0.036	21	0.42	0.761	22	32.8	1.71	21	32.8	K2	C7	4588	C -30 7686
30	9.7	8.7W	33 5.271	-0.0041	21	-32 12 9.26	0.004	21	0.42	5.342	22	32.8	9.33	21	32.8	K2	C7	4589	C -31 7425
31		6.5T	33 6.917	-0.0063	08	-35 35 59.29	-0.006	08	0.35	7.181	10	08.0	59.04	12	09.0	F5	GC	13248	C*-35 5803
32	10.4	9.5W	33 14.016	-0.0056	13	-35 22 54.87	-0.030	13	0.26	14.092	15	36.3	54.46	21	36.3	G8 L	C8	4385	C -35 5804
33	9.8	9.2W	33 20.446	0.0009	21	-30 32 29.33	-0.019	21	0.42	20.431	22	32.8	29.01	21	32.8	G5	C7	4590	C -30 7691
34	9.1	7.9W	33 22.451	-0.0053	18	-38 40 41.08	0.020	18	0.31	22.525	15	36.3	41.36	21	36.3	K2	C8	4386	C -38 5704
35	9.9	9.0W	33 32.948	-0.0100	10	-38 37 6.89	0.005	10	0.23	33.085	15	36.3	6.96	21	36.3	K2	C8	4389	C -38 5707
36			33 38.178	0.0016	13	-39 40 45.62	-0.012	13	0.26	38.155	15	36.3	45.46	21	36.3	MC	C8	4390X	C -39 5653
37	10.0	9.4W	33 43.400	-0.0020	21	-34 16 57.58	0.022	21	0.42	43.434	22	32.8	57.95	21	32.8	G2 L	C7	4591	C -33 6199
38		7.8T	33 53.491	-0.0015	15	-31 0 36.11	-0.023	12	0.69	53.562	19	01.1	28.94	17	99.6	+++	GC	13272K	C*-30 7704
39	10.4	10.2W	33 55.575	-0.0014	18	-36 53 41.58	-0.024	18	0.31	55.594	15	36.3	41.26	21	36.3	A0 L	C8	4391	C -36 5805
40	9.8	9.5W	34 2.183	-0.0047	21	-33 4 40.68	-0.008	21	0.42	2.264	22	32.8	40.54	21	32.8	F8 L	C7	4593	C -32 6555
41	7.9	8.2W	34 7.371	-0.0031	13	-35 48 33.73	0.009	13	0.26	7.413	15	36.3	33.86	21	36.3	A0	C8	4392	C -35 5818
42	9.3	8.4W	34 16.784	-0.0017	21	-33 22 36.40	-0.015	21	0.42	16.814	22	32.8	36.14	21	32.8	K2	C7	4594	C -33 6204
43	8.3	7.4W	34 20.227	0.0156	06	-36 4 34.53	-0.086	06	0.20	20.013	15	36.3	33.36	21	36.3	G5	C8	4393	C -35 5820
44	10.4	9.4W	34 26.762	-0.0028	21	-30 15 44.89	0.041	21	0.42	26.810	22	32.8	45.59	21	32.8		C7	4595	C -29 7625
45	10.1		34 26.897	-0.0064	18	-38 2 2.40	0.033	18	0.31	26.984	15	36.3	2.86	21	36.3	A0 L	C8	4394	C -37 5915
46	8.8	9.1W	34 28.933	-0.0034	21	-32 1 8.40	0.013	21	0.42	28.992	22	32.8	8.63	21	32.8	A0	C7	4596	C -31 7446
47	10.5	9.5W	34 29.069	0.0003	18	-38 17 43.94	0.001	18	0.31	29.064	15	36.3	43.96	21	36.3	K0 L	C8	4395	C -37 5916
48	10.1	9.8W	34 31.535	0.0025	21	-31 32 8.37	-0.014	21	0.42	31.492	22	32.8	8.13	21	32.8	G2 L	C7	4597	C -31 7448
49	8.1	8.3W	34 34.820	-0.0037	21	-33 6 37.12	0.019	21	0.42	34.884	22	32.8	37.45	21	32.8	A0	C7	4598	C -32 6563
50	10.2	9.4W	34 37.425	0.0014	21	-30 51 3.36	-0.009	21	0.42	37.401	22	32.8	3.21	21	32.8	K0 L	C7	4599	C -30 7715
51	9.5	9.5W	9 34 40.955	-0.0021	21	-31 2 9.18	-0.010	21	0.42	40.991	22	32.8	9.01	21	32.8	A0	C7	4600	C -30 7716
52	10.0	9.9W	34 44.720	-0.0030	21	-32 19 5.00	0.013	21	0.42	44.772	22	32.8	5.23	21	32.8	A0 L	C7	4601	C -31 7451
53	9.5	9.6W	34 46.061	-0.0002	13	-35 53 51.65	0.008	13	0.26	46.063	15	36.3	51.76	21	36.3	A0	C8	4396	C -35 5825
54	9.7	9.3W	34 46.723	-0.0006	13	-36 37 2.71	0.040	13	0.26	46.734	15	36.3	3.26	21	36.3	G0	C8	4397	C -36 5816
55		9.2R	34 47.321	-0.0063	17	-30 9 54.99	-0.012	17	0.32	47.427	16	33.2	54.79	16	33.2	G5 M	13B	6270	J -29 7633
56	8.9	8.5W	34 53.864	-0.0022	21	-31 39 52.94	0.040	21	0.42	53.902	22	32.8	53.63	21	32.8	G5	C7	4602	C -31 7455
57	9.1	8.8W	34 54.781	0.0012	13	-36 48 46.93	-0.020	13	0.26	54.764	15	36.3	46.66	21	36.3	F8	C8	4398	C -36 5820
58	10.6	9.7W	34 58.981	-0.0025	21	-33 28 5.15	0.029	21	0.42	59.023	22	32.8	5.64	21	32.8	K0 L	C7	4603	C -33 6212
59	8.9	8.7W	34 59.939	-0.0026	13	-38 3 46.40	-0.040	13	0.26	59.974	15	36.3	45.86	21	36.3	F8	C8	4399	C -37 5924
60	9.2	9.5W	35 0.059	-0.0010	13	-36 10 15.38	-0.031	13	0.26	0.073	15	36.3	14.96	21	36.3	A0	C8	4400	C -35 5830
61		5.6M	35 0.636	0.0026	03	-31 57 11.33	-0.025	03	0.10	0.551	06	17.7	10.50	05	17.6	K0	F4	1248	C -31 7458
62	10.1	9.7W	35 2.864	0.0007	09	-37 13 42.55	0.000	09	0.22	2.854	15	36.3	42.56	21	36.3	G0	C8	4401	C -36 5821
63	11.3	9.8W	35 4.217	-0.0013	23	-37 36 2.98	0.013	23	0.37	4.234	15	36.3	3.16	21	36.3		C8	4402	C -37 5923
64	9.5	9.3W	35 6.250	0.0019	13	-38 10 26.36	-0.008	13	0.26	6.224	15	36.3	26.25	21	36.3	F0	C8	4403	C -37 5925
65		7.0T	35 6.621	-0.0001	14	-30 44 40.85	-0.010	12	0.68	6.628	18	99.7	40.34	15	00.2	K0	GC	13298	C -30 7725
66	10.2	10.0W	35 7.711	-0.0017	21	-30 12 21.96	0.025	21	0.42	7.740	22	32.8	22.39	21	32.8	F8 L	C7	4606	C -29 7639
67	8.2	8.6W	35 7.709	-0.0004	10	-38 28 10.11	-0.004	10	0.23	7.714	15	36.3	10.06	21	36.3	A0	C8	4404	C -38 5736
68			35 8.641	-0.0006	21	-31 57 15.76	-0.072	21	0.42	8.652	22	32.8	14.53	21	32.8		C7	4607	C -31 7460
69	9.0	8.8W	35 10.471	-0.0046	13	-37 7 43.22	0.024	13	0.26	10.534	15	36.3	43.56	21	36.3	F0	C8	4405	C -36 5822
70	9.9	8.8W	35 11.443	-0.0006	21	-33 4 4.78	0.004	21	0.42	11.453	22	32.8	4.85	21	32.8	K2	C7	4608	C -32 6571
71	9.6	8.8W	35 11.788	-0.0019	10	-37 44 53.18	-0.002	10	0.23	11.814	15	36.3	53.16	21	36.3	K0	C8	4406	C -37 5926
72	9.9	9.7W	35 12.747	-0.0028	21	-33 58 40.40	0.032	21	0.42	12.794	22	32.8	40.95	21	32.8	A8 L	C7	4609	C -33 6215
73		6.1T	35 23.160	-0.0033	13	-35 52 13.25	-0.004	10	0.64	23.327	19	99.3	13.02	18	95.1	K0	GC	13306	C -35 5833
74	8.8	8.5W	35 24.728	-0.0086	21	-34 43 5.33	0.037	21	0.42	24.875	22	32.8	5.96	21	32.8	F8	C7	4610	C -34 6035
75	9.4	9.7W	35 33.303	-0.0009	18	-38 57 59.18	0.027	18	0.31	33.315	15	36.3	59.56	21	36.3	A0	C8	4408	C -38 5742
76		7.8T	35 35.828	-0.0028	12	-30 27 10.29	0.022	12	0.66	35.972	18	97.6	11.48	18	95.9	K0	GC	13311	C*-30 7728
77	10.0	9.3W	35 39.953	-0.0011	21	-31 35 17.71	-0.011	21	0.42	39.972	22	32.8	17.53	21	32.8	G5 L	C7	4612	C -31 7470
78	8.5	8.6W	35 42.827	0.0008	13	-39 30 48.50	-0.018	13	0.26	42.815	15	36.3	48.26	21	36.3	A2	C8	4410	C -39 5686
79		9.1R	35 43.144	-0.0017	17	-30 39 18.34	0.007	17	0.32	43.173	16	33.2	18.45	16	33.2	A3 J	13B	6289	J -30 7731
80	9.5	8.8W	35 49.339	-0.0055	08	-37 36 28.64	0.074	08	0.21	49.414	15	36.3	29.66	21	36.3	G5	C8	4411	C -37 5930
81	8.1	7.8W	35 51.613	-0.0089	06	-36 42 3.48	0.071	06	0.20	51.734	15	36.3	4.46	21	36.3	G5	C8	4412	C -36 5827
82	9.3	8.6W	35 56.272	-0.0008	21	-34 50 59.39	-0.025	21	0.42	56.285	22	32.8	58.96	21	32.8	K2	C7	4613	C -34 6039
83	10.5	8.8W	35 57.286	-0.0005	13	-36 27 53.40	-0.018	13	0.26	57.293	15	36.3	53.16	21	36.3	K2 L	C8	4413	C -36 5828
84		9.0T	36 8.554	-0.0006	26	-30 42 39.25	0.006	18	1.03	8.578	22	05.7	39.52	22	03.4	K0	GC	13323	C -30 7741
85	9.2	8.2W	36 10.063	-0.0029	07	-35 12 13.09	0.005	07	0.21	10.092	15	36.3	13.16	21	36.3	K2	C8	4414	C -34 6043
86	10.4	9.1W	36 12.342	-0.0023	13	-36 22 29.14	0.001	13	0.26	12.373	15	36.3	29.16	21	36.3	K0 L	C8	4415	C -36 5830
87	11.0	10.0W	36 15.447	-0.0071	23	-37 32 24.24	0.001	23	0.37	15.544	15	36.3	24.26	21	36.3	G8 L	C8	4416	C -37 5936
88	10.2	10.0W	36 24.792	-0.0038	13	-37 10 17.31	-0.004	13	0.26	24.844	15	36.3	17.26	21	36.3	F5 L	C8	4417	C -36 5831
89		10.3W	36 27.691	-0.0006	21	-30 56 50.81	-0.012	21	0.42	27.681	22	32.8	50.61	21	32.8		C7	4615	C -30 7749
90		6.7T	36 39.217	-0.0043	09	-39 23 12.46	-0.065	07	0.38	39.401	15	07.5	9.30	15	01.6	F5	GC	13334K	C*-39 5697
91	8.9	8.5W	36 40.733	0.0018	21	-32 6 6.90	-0.074	21	0.42	40.702	22	32.8	5.63	21	32.8	G0	C7	4616	C -31 7485
92	8.6	7.9W	36 43.230	0.0005	13	-36 18 9.58	-0.002	13	0.26	43.223	15	36.3	9.56	21	36.3	G5	C8	4419	C -35 5850
93	9.0	9.0W	36 48.088	-0.0027	21	-33 31 33.93	-0.010	21	0.42	48.134	22	32.8	33.75	21	32.8	A2	C7	4617	C -33 6239
94	9.0	8.9W	36 49.761	-0.0060	21	-33 31 23.64	-0.092	21	0.42	49.864	22	32.8	22.05	21	32.8	A2 L	C7	4618	C -33 6240
95	10.5	9.7W	36 49.942	-0.0005	21	-30 47 34.24	0.033	21	0.42	49.951	22	32.8	34.81	21	32.8	G5 L	C7	4619	C -30 7754
96	9.2	9.4W	37 4.662	-0.0025	21	-34 12 54.88	0.016	21	0.42	4.704	22	32.8	55.15	21	32.8	A0	C7	4620	C -33 6244
97		7.8T	37 4.915	0.0050	17	-39 18 8.43	-0.020	17	0.81	4.685	22	03.8	7.48	21	03.2	K0	GC	13337	C -38 5771
98	9.5	9.6W	37 5.536	-0.0040	21	-34 5 28.95	-0.017	21	0.42	5.604	22	32.8	28.65	21	32.8	A	C7	4621	C -33 6245
99	10.1	9.5W	37 13.664	-0.0016	21	-32 2 51.06	-0.008	21	0.42	13.692	22	32.8	50.92	21	32.8	G5 L	C7	4622	C -31 7493
00	9.9	10.0W	37 28.026	-0.0028	21	-33 26 14.30	-0.003	21	0.42	28.074	22	32.8	14.24	21	32.8	A0	C7	4623	C -33 6251

200600 — EPOCH 1950 — ORIGINAL EPOCH — -30° 9H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.7	9.4W	9 37 33.117	-0.0002	21	-31 7 21.39	0.001	21	0.42	33.121	22	32.8	21.41	21	32.8	F8	C7	4624	C -30 7766
2	9.7	10.0W	37 35.277	0.0010	18	-36 2 41.42	0.010	18	0.31	35.263	15	36.3	41.56	21	36.3	A0	C8	4424	C -35 5854
3	9.2	9.4W	37 35.723	0.0007	13	-36 23 38.40	-0.018	13	0.26	35.713	15	36.3	38.16	21	36.3	A0	C8	4425	C -36 5852
4	8.9	8.8W	37 36.138	-0.0038	21	-32 42 19.77	-0.013	21	0.42	36.204	22	32.8	19.54	21	32.8	F0	C7	4625	C -32 6613
5	9.8	8.9W	37 38.418	0.0010	13	-37 29 23.63	-0.042	13	0.26	38.404	15	36.3	23.06	21	36.3	K0	C8	4426	C -37 5953
6	9.8	8.8W	37 41.892	-0.0008	13	-35 51 55.10	-0.018	13	0.26	41.903	15	36.3	54.86	21	36.3	K2	C8	4427	C -35 5855
7	8.0	8.1W	37 42.669	-0.0067	21	-32 41 38.91	0.043	21	0.42	42.783	22	32.8	39.64	21	32.8	A5	C7	4626	C -32 6617
8	10.3	9.0W	37 47.665	0.0025	21	-32 5 18.46	0.004	21	0.42	47.622	22	32.8	18.53	21	32.8	K5	L C7	4627	C -31 7505
9	9.5	8.6W	37 49.886	0.0023	18	-37 29 9.96	-0.008	18	0.31	49.854	15	36.3	9.86	21	36.3	K0	C8	4429	C -37 5957
10	8.0	8.0W	37 51.184	0.0002	21	-30 16 21.36	0.031	21	0.42	51.180	22	32.8	21.89	21	32.8	A2	C7	4628	C -29 7686
11	10.2	9.3W	37 58.690	-0.0008	21	-33 27 59.20	-0.003	21	0.42	58.703	22	32.8	59.14	21	32.8	G5	C7	4629	C -33 6258
12	9.7	8.8W	38 3.950	-0.0003	21	-34 4 32.88	0.016	21	0.42	3.944	22	32.8	33.15	21	32.8	K2	C7	4630	C -33 6259
13	10.3	9.8W	38 4.360	-0.0071	21	-32 21 33.64	0.028	21	0.42	4.482	22	32.8	34.13	21	32.8	G2	L C7	4631	C -32 6625
14		7.4T	38 6.133	-0.0022	11	-30 41 40.11	-0.003	10	0.58	6.253	17	96.5	39.93	18	95.8	K5	GC	13359	C -30 7775
15	8.9	8.5W	38 6.275	-0.0169	21	-34 57 14.31	-0.003	21	0.42	6.565	22	32.8	14.26	21	32.8	G0	C7	4633	C -34 6065
16	10.7	9.7W	38 15.283	0.0018	21	-31 52 55.43	-0.035	21	0.42	15.252	22	32.8	54.83	21	32.8	G5	L C7	4634	C -31 7514
17	9.1	9.3W	38 19.998	0.0016	21	-30 30 35.02	0.034	21	0.42	19.971	22	32.8	35.61	21	32.8	A2	C7	4635	C -30 7778
18	8.9	8.9W	38 22.493	-0.0024	21	-33 36 33.58	0.022	21	0.42	22.534	22	32.8	33.95	21	32.8	A5	C7	4636	C*-33 6266
19	9.6	9.4W	38 25.029	-0.0027	21	-34 30 4.08	-0.024	21	0.42	25.075	22	32.8	3.66	21	32.8	F0	L C7	4637	C -34 6071
20	10.3	8.8W	38 29.615	-0.0006	23	-36 18 34.25	-0.014	23	0.37	29.623	15	36.3	34.06	21	36.3	M0	L C8	4432	C -35 5864
21	10.0	9.9W	38 32.025	-0.0017	21	-33 43 59.17	-0.024	21	0.42	32.054	22	32.8	58.75	21	32.8	A5	C7	4638	C -33 6268
22	10.1	8.5W	38 33.279	0.0004	11	-35 41 50.86	-0.015	11	0.24	33.273	15	36.3	50.66	21	36.3	K5	L C8	4433	C -35 5866
23	9.7	8.6W	38 36.028	-0.0043	21	-32 8 28.80	0.048	21	0.42	36.102	22	32.8	29.62	21	32.8	K0	C7	4639	C -31 7519
24	8.0	7.8W	38 38.727	0.0002	07	-36 55 53.15	-0.029	07	0.21	38.724	15	36.3	52.76	21	36.3	F8	C8	4434	C -36 5863
25	9.5	9.5W	38 41.058	-0.0007	21	-30 20 1.84	0.044	21	0.42	41.070	22	32.8	2.59	21	32.8	A2	C7	4640	C -29 7697
26	10.4	10.3W	38 41.512	-0.0017	18	-39 10 47.06	-0.008	18	0.31	41.534	15	36.3	46.96	21	36.3	A5	L C8	4435	C -38 5800
27	10.5	9.1W	38 53.094	-0.0023	21	-32 39 6.20	0.014	21	0.42	53.134	22	32.8	6.44	21	32.8	K5	L C7	4641	C -32 6639
28	9.5	9.5W	39 0.051	0.0006	21	-31 21 31.10	0.012	21	0.42	0.041	22	32.8	31.31	21	32.8	A	C7	4642	C -31 7526
29	10.2	10.4W	39 1.563	-0.0034	21	-32 16 53.42	-0.023	21	0.42	1.622	22	32.8	53.03	21	32.8	A0	C7	4643	C -31 7528
30	9.7	8.3W	39 2.801	-0.0025	21	-32 41 2.79	-0.014	21	0.42	2.844	22	32.8	2.54	21	32.8	K5	C7	4644	C -32 6641
31	7.5	7.3W	39 4.659	-0.0098	05	-35 48 5.82	0.046	05	0.19	4.793	15	36.3	6.46	21	36.3	F8	C8	4437	C -35 5868
32	9.0	8.8W	39 5.184	0.0036	23	-36 39 42.65	-0.051	23	0.37	5.134	15	36.3	41.96	21	36.3	G0	C8	4438	C -36 5878
33	9.7	8.2W	39 5.976	-0.0019	13	-35 15 15.72	0.010	13	0.26	6.002	15	36.3	15.86	21	36.3	K5	C8	4439	C -34 6083
34	8.5	8.8W	39 10.351	0.0026	13	-39 29 43.58	0.020	13	0.26	10.314	15	36.3	43.86	21	36.3	A0	C8	4440	C -39 5742
35		7.0T	39 16.131	-0.0021	11	-33 10 5.33	-0.016	10	0.58	16.244	15	96.8	4.46	18	94.4	A0	GC	13377	C -32 6646
36	10.4	10.1W	39 30.068	-0.0021	21	-32 40 24.40	-0.044	21	0.42	30.103	22	32.8	23.64	21	32.8	G0	L C7	4646	C -32 6651
37	8.5	8.1W	39 31.872	-0.0206	13	-38 16 9.50	0.077	13	0.26	32.154	15	36.3	10.55	21	36.3	G5	C8	4441	C -37 5987
38	9.8	9.5W	39 32.857	-0.0038	21	-35 0 21.85	0.029	21	0.42	32.923	22	32.8	22.35	21	32.8	F8	L C7	4647	C -34 6087
39	10.0	9.9W	39 33.355	-0.0039	21	-31 55 28.28	0.026	21	0.42	33.422	22	32.8	28.72	21	32.8	F8	L C7	4648	C -31 7534
40	9.2	9.1W	39 33.771	-0.0026	21	-34 37 54.49	-0.013	21	0.42	33.815	22	32.8	54.26	21	32.8	A5	C7	4649	C -34 6086
41	10.2	9.4W	39 37.572	-0.0053	21	-33 13 52.57	0.022	21	0.42	37.663	22	32.8	52.94	21	32.8	G5	L C7	4650	C -32 6652
42	9.8	9.4W	39 38.777	0.0009	21	-32 20 32.41	-0.028	21	0.42	38.762	22	32.8	31.93	21	32.8	G0	C7	4651	C -32 6653
43	8.1	8.2W	39 39.910	-0.0024	21	-31 57 48.11	-0.034	21	0.42	39.952	22	32.8	47.52	21	32.8	A2	C7	4652	C -31 7537
44		6.8T	39 40.830	-0.0027	12	-30 4 30.95	-0.009	10	0.60	40.967	18	98.6	30.47	18	95.8	K0	GC	13387	C*-29 7712
45	10.8	9.5W	39 42.840	-0.0024	21	-32 17 3.98	0.014	21	0.42	42.882	22	32.8	4.23	21	32.8		C7	4654	C -31 7538
46	7.4	8.0W	39 56.732	-0.0009	08	-36 51 14.70	-0.047	08	0.21	56.744	15	36.3	14.06	21	36.3	A0	C8	4442	C -36 5886
47	10.0	8.4W	39 57.317	-0.0020	21	-32 23 32.41	0.024	21	0.42	57.352	22	32.8	32.82	21	32.8	K5	C7	4655	C -32 6657
48	8.4	8.2W	40 3.947	0.0024	06	-37 10 10.11	-0.041	06	0.20	3.914	15	36.3	9.56	21	36.3	F8	C8	4443	C -36 5887
49	9.4	9.3W	40 17.139	-0.0103	21	-34 59 30.87	0.023	21	0.42	17.315	22	32.8	31.26	21	32.8	F0	L C7	4656	C -34 6091
50		7.8T	40 22.663	-0.0020	14	-35 20 57.01	0.001	12	0.71	22.761	19	00.0	57.05	18	97.0	A0	GC	13403	C -35 5886
51	10.1	9.4W	9 40 25.212	-0.0053	18	-37 22 9.82	0.032	18	0.31	25.284	15	36.3	10.26	21	36.3	K0	L C8	4445	C -37 6000
52		6.4T	40 34.620	-0.0018	08	-35 16 21.90	-0.007	07	0.32	34.691	09	09.6	21.59	10	07.7	B9	GC	13404	C -34 6097
53	9.0	8.9W	40 35.015	-0.0015	21	-31 29 7.46	0.014	21	0.42	35.041	22	32.8	7.71	21	32.8	F0	C7	4657	C -31 7553
54		7.3T	40 43.047	0.0019	11	-33 10 21.31	-0.036	12	0.63	42.952	15	99.2	19.50	18	99.3	A2	GC	13409	C*-32 6667
55	10.5	9.6W	40 43.563	-0.0011	21	-32 11 46.86	-0.002	21	0.42	43.582	22	32.8	46.83	21	32.8	K0	L C7	4659	C -31 7556
56	10.3	8.9W	40 47.684	-0.0035	21	-32 40 54.17	0.016	21	0.42	47.744	22	32.8	54.44	21	32.8	K5	L C7	4660	C -32 6670
57	9.4	7.6W	40 53.545	0.0008	09	-36 44 10.25	-0.014	09	0.22	53.534	15	36.3	10.05	21	36.3	MA	C8	4448	C -36 5896
58		9.4R	40 59.551	-0.0013	20	-30 10 20.98	0.010	20	0.37	59.573	16	33.2	21.15	16	33.2	F	M 13B	6344	J -29 7731
59	11.1	10.1W	41 0.655	-0.0058	30	-38 28 2.41	0.018	30	0.45	0.734	15	36.3	2.66	21	36.3	K2	L C8	4449	C -38 5830
60	9.1	8.1W	41 7.493	-0.0058	13	-35 25 27.06	-0.015	13	0.26	7.572	15	36.3	26.86	21	36.3	K2	C8	4450	C -35 5893
61	9.4	8.3W	41 7.565	-0.0038	21	-31 20 22.53	0.010	21	0.42	7.631	22	32.8	22.71	21	32.8	K2	C7	4661	C -31 7563
62	9.8	8.7W	41 8.817	-0.0061	21	-32 1 41.64	0.011	21	0.42	8.922	22	32.8	41.83	21	32.8	G5	C7	4662	C -31 7566
63	10.4	8.9W	41 13.456	-0.0006	13	-37 15 28.30	-0.047	13	0.26	13.464	15	36.3	27.66	21	36.3	M0	L C8	4451	C -36 5901
64	11.0	9.9W	41 14.242	-0.0000	21	-31 46 36.73	0.017	21	0.42	14.242	22	32.8	37.02	21	32.8		C7	4663	C -31 7569
65	9.8	9.5W	41 17.712	-0.0018	21	-35 2 18.47	0.016	21	0.42	17.742	22	32.8	18.75	21	32.8	F2	L C7	4664	C -34 6108
66	11.2	10.3W	41 17.936	0.0038	21	-30 26 47.83	0.039	21	0.42	17.870	22	32.8	48.49	21	32.8		C7	4665	C -30 7831
67	10.5	9.7W	41 34.172	-0.0009	18	-38 28 39.85	0.015	18	0.31	34.184	15	36.3	40.05	21	36.3	G8	L C8	4452	C -38 5835
68			41 35.426	0.0031	18	-36 18 18.01	-0.011	18	0.31	35.383	15	36.3	17.86	21	36.3		C8	4453	C -35 5896
69	10.3	9.9W	41 44.044	0.0008	21	-31 13 21.11	0.006	21	0.42	44.031	22	32.8	21.21	21	32.8	G0	L C7	4666	C -30 7841
70		8.1R	41 49.415	-0.0014	20	-30 5 7.51	-0.005	20	0.37	49.440	16	33.2	7.43	16	33.2	G5	J 13B	6357	J -29 7741
71	10.1	9.8W	41 52.812	-0.0042	21	-34 17 21.04	0.036	21	0.42	52.884	22	32.8	21.65	21	32.8	G0	L C7	4667	C -33 6310
72	9.7	8.6W	41 53.270	-0.0021	21	-34 51 28.42	-0.009	21	0.42	53.305	22	32.8	28.26	21	32.8	K	C7	4668	C -34 6115
73	8.4	8.8W	41 53.486	-0.0015	13	-39 50 44.54	0.001	13	0.26	53.505	15	36.3	44.56	21	36.3	A0	C8	4454	C -39 5783
74	10.2	9.7W	41 53.731	0.0130	09	-35 32 35.89	-0.076	09	0.22	53.553	15	36.3	34.85	21	36.3	G5	L C8	4455	C -35 5899
75	8.7	8.8W	41 57.494	0.0000	21	-32 53 13.99	0.003	21	0.42	57.494	22	32.8	14.04	21	32.8	A0	C7	4669	C -32 6685
76	10.4	9.9W	42 4.276	-0.0015	21	-31 54 35.87	0.015	21	0.42	4.302	22	32.8	36.13	21	32.8	G2	L C7	4670	C -31 7585
77	8.6	8.4W	42 9.187	-0.0028	21	-33 37 6.39	0.033	21	0.42	9.234	22	32.8	6.95	21	32.8	F5	C7	4671	C -33 6318
78	9.9	10.0W	42 11.054	-0.0044	18	-38 13 57.76	0.007	18	0.31	11.114	15	36.3	57.86	21	36.3	A2	L C8	4456	C -37 6020
79		9.5R	42 11.321	0.0034	20	-30 8 5.78	-0.014	20	0.37	11.264	16	33.2	5.55	16	33.2	G0	M 13B	6363	J -29 7748
80	10.1	9.2W	42 12.259	-0.0020	21	-33 5 49.88	-0.002	21	0.42	12.293	22	32.8	49.84	21	32.8	G5	L C7	4672	C -32 6689
81		6.7T	42 13.057	-0.0030	12	-39 20 27.23	0.005	12	0.63	13.208	18	00.1	27.48	19	97.7	A5	GC	13431	C -38 5850
82	8.9	8.5W	42 14.900	-0.0035	21	-31 10 0.45	0.015	21	0.42	14.961	22	32.8	0.71	21	32.8	F5	C7	4673	C -30 7850
83	10.0	9.8W	42 18.480	-0.0026	21	-33 47 18.97	0.034	21	0.42	18.524	22	32.8	19.55	21	32.8	F2	L C7	4674	C -33 6325
84	10.6	9.6W	42 19.800	-0.0012	21	-31 21 55.19	0.030	21	0.42	19.821	22	32.8	55.71	21	32.8	G5	L C7	4675	C -31 7590
85	9.9	8.9W	42 21.059	-0.0002	21	-32 8 47.90	0.054	21	0.42	21.062	22	32.8	48.82	21	32.8	K0	C7	4676	C -31 7592
86	9.1	9.0W	42 33.666	-0.0020	21	-30 57 5.60	0.041	21	0.42	33.701	22	32.8	6.31	21	32.8	F0	C7	4677	C -30 7851
87	10.6	9.5W	42 34.282	0.0005	21	-32 30 31.79	0.021	21	0.42	34.273	22	32.8	32.14	21	32.8	K0	L C7	4678	C -32 6696
88	9.8	9.6W	42 36.286	-0.0020	18	-38 42 51.95	-0.036	18	0.31	36.315	15	36.3	51.46	21	36.3	F8	L C8	4458	C*-38 5859
89	10.9		42 37.808	0.0017	18	-36 54 7.11	-0.019	18	0.31	37.784	15	36.3	6.86	21	36.3	A8	L C8	4459	C -36 5911
90	9.1	9.0W	42 45.273	-0.0017	21	-32 1 20.55	-0.013	21	0.42	45.302	22	32.8	20.32	21	32.8	F0	C7	4679	C -31 7596
91	8.2	8.4W	42 47.133	-0.0008	13	-37 19 52.18	-0.002	13	0.26	47.144	15	36.3	52.16	21	36.3	A2	C8	4460	C -36 5915
92	10.5	9.7W	42 47.626	0.0015	21	-30 54 27.08	-0.039	21	0.42	47.601	22	32.8	26.41	21	32.8	F8	C7	4680	C -30 7855
93	9.4	9.5W	42 50.257	0.0003	21	-31 53 21.92	0.041	21	0.42	50.252	22	32.8	22.62	21	32.8	A2	C7	4681	C -31 7597
94	10.6	9.7W	42 52.783	0.0025	21	-31 13 51.97	0.043	21	0.42	52.741	22	32.8	52.71	21	32.8	G5	L C7	4682	C -30 7859
95		9.0R	42 58.677	0.0003	17	-30 3 1.84	0.000	17	0.32	58.672	16	33.2	1.84	16	33.2	K0	M 13B	6376	J -29 7756
96	8.0	8.4W	43 0.273	-0.0030	13	-38 21 20.84	0.016	13	0.26	0.314	15	36.3	21.06	21	36.3	A0	C8	4461	C*-38 5870
97	10.9	9.3W	43 0.443	-0.0030	13	-37 6 2.29	-0.032	13	0.26	0.484	15	36.3	1.85	21	36.3	K5	L C8	4462	C -36 5919
98	9.4	8.4W	43 3.483	-0.0076	21	-33 26 0.70	-0.015	21	0.42	3.614	22	32.8	0.44	21	32.8	K0	C7	4683	C -33 6335
99		6.9T	43 14.829	-0.0114	11	-32 27 5.41	-0.041	10	0.58	15.413	18	98.9	3.19	17	95.3	F5	GC	13446	C -32 6709
00	8.1	8.3W	43 15.384	-0.0012	21	-33 33 58.67	0.005	21	0.42	15.404	22	32.8	58.75	21	32.8	A0	C7	4685	C -33 6337

200700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	ORIGINAL EPOCH δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 9H DM NUMBER
1	10.1	9.3W	9 43 18.788	-0.0041	18	-37 53 25.22	0.039	18	0.31	18.844	15	36.3	25.76	21	36.3	G8 L	C8	4463	C -37 6039
2	9.3	9.1W	43 20.206	-0.0072	13	-39 54 59.89	0.034	13	0.26	20.305	15	36.3	0.36	21	36.3	F5 L	C8	4464	C -39 5798
3	10.7		43 20.616	0.0024	30	-35 37 9.50	-0.018	30	0.45	20.583	15	36.3	9.26	21	36.3	F2 L	C8	4465	C -35 5913
4	8.6	7.8W	43 24.289	-0.0048	06	-37 30 9.75	0.022	06	0.20	24.354	15	36.3	10.06	21	36.3	K0	C8	4466	C -37 6041
5	8.0	7.7W	43 32.498	-0.0063	06	-37 34 51.73	0.002	06	0.20	32.584	15	36.3	51.76	21	36.3	F8	C8	4467	C -37 6043
6	10.2	8.7W	43 40.352	-0.0025	21	-34 25 20.32	0.008	21	0.42	40.394	22	32.8	20.45	21	32.8	K5	C7	4686	C -34 6132
7	10.4	9.8W	43 44.809	-0.0013	21	-32 5 47.46	0.021	21	0.42	44.832	22	32.8	47.82	21	32.8		C7	4687	C -31 7613
8	10.0	9.7W	43 47.930	-0.0001	21	-32 26 31.83	0.023	21	0.42	47.932	22	32.8	32.23	21	32.8	F0	C7	4688	C -32 6716
9	9.5	9.7W	43 49.671	-0.0054	13	-36 38 29.58	-0.031	13	0.26	49.744	15	36.3	29.16	21	36.3	A2	C8	4468	C -36 5926
10		6.8T	43 52.800	-0.0013	12	-35 37 53.02	-0.102	11	0.62	52.865	18	99.2	47.72	18	98.1	F5	GC	13463	C*-35 5917
11	9.7	9.4W	43 53.647	-0.0049	18	-38 19 50.06	-0.008	18	0.31	53.714	15	36.3	49.96	21	36.3	F8 L	C8	4470	C -37 6051
12	10.7	9.7W	44 0.876	-0.0015	21	-32 24 41.22	0.018	21	0.42	0.902	22	32.8	41.53	21	32.8		C7	4689	C -32 6722
13	9.8	8.9W	44 2.229	-0.0146	21	-30 20 57.42	0.045	21	0.42	2.480	22	32.8	58.19	21	32.8	K0	C7	4690	C -30 7769
14		7.0T	44 6.818	-0.0022	12	-33 16 35.91	-0.004	12	0.64	6.932	18	98.5	35.72	18	97.5	A0	GC	13468	C -32 6725
15	9.7	10.1W	44 7.902	-0.0030	21	-32 38 24.00	-0.038	21	0.42	7.953	22	32.7	23.34	21	32.7	A0	C7	4692	C -32 6724
16	10.4	10.2W	44 14.886	-0.0032	21	-32 9 10.95	0.022	21	0.42	14.942	22	32.7	11.33	21	32.7	F5 L	C7	4693	C -31 7621
17	9.5	9.7W	44 15.898	-0.0067	13	-35 32 23.44	-0.006	13	0.26	15.993	15	35.8	23.36	21	35.8	A0	C8	4471	C -35 5923
18	10.6	9.7W	44 16.972	-0.0002	21	-34 32 40.46	-0.017	21	0.42	16.975	22	32.7	40.16	21	32.7	K0 L	C7	4694	C -34 6139
19	10.6	9.6W	44 19.035	-0.0042	18	-36 45 40.99	-0.045	18	0.31	19.094	15	35.8	40.36	21	35.8	K0 L	C8	4472	C -36 5929
20		7.7T	44 19.354	-0.0053	14	-31 2 35.96	0.009	12	0.73	19.629	19	98.6	36.43	18	96.3	K0	GC	13475	C*-30 7887
21	9.5	9.8W	44 19.760	-0.0020	21	-34 11 42.24	0.001	21	0.42	19.794	22	32.7	42.25	21	32.7	A0	C7	4696	C -33 6349
22	9.3	8.9W	44 19.845	-0.0015	21	-31 7 39.12	-0.041	21	0.42	19.871	22	32.7	38.41	21	32.7	G0	C7	4697	C -30 7888
23	10.1	10.4W	44 22.150	0.0015	21	-33 15 27.37	-0.001	21	0.42	26.124	22	32.7	27.34	21	32.7	A0	C7	4698	C*-32 6730
24	10.5	9.8W	44 29.492	-0.0015	13	-36 30 0.01	-0.025	13	0.26	29.513	15	35.8	59.66	21	35.8	G5 L	C8	4473	C -36 5932
25	9.2	9.1W	44 43.445	-0.0007	13	-39 49 59.54	-0.006	13	0.26	43.455	15	35.8	59.46	21	35.8	F0 L	C8	4475	C -39 5820
26		7.4T	44 45.741	0.0043	08	-39 5 32.96	-0.082	07	0.30	45.575	09	11.1	29.71	09	10.5	F0	GC	13486K	C*-38 5906
27	9.7	9.2W	44 48.283	-0.0051	21	-32 13 35.96	0.044	21	0.42	48.372	22	32.7	36.72	21	32.7	F8	C7	4699	C*-31 7632
28	9.0	8.1W	44 50.756	-0.0026	21	-30 44 27.52	0.005	21	0.42	50.801	22	32.7	27.61	21	32.7	K0	C7	4700	C -30 7894
29		6.8T	44 52.568	-0.0038	12	-31 2 9.84	-0.002	11	0.65	52.765	18	97.3	9.71	18	94.8	A0	GC	13490	C -30 7895
30	10.3	9.8W	44 57.544	-0.0050	21	-30 52 46.85	-0.020	21	0.42	57.631	22	32.7	46.51	21	32.7	G0 L	C7	4702	C -30 7896
31		8.6R	44 58.023	-0.0060	20	-30 2 22.65	0.015	20	0.37	58.124	16	33.2	22.90	16	33.2	K0 J	13B	6403	J -29 7781
32	9.5	10.0W	45 2.965	-0.0035	21	-34 58 59.78	0.005	21	0.42	3.025	22	32.7	59.86	21	32.7	A0	C7	4703	C -34 6149
33	9.5	9.2W	45 12.778	-0.0089	21	-32 1 23.17	-0.003	21	0.42	12.932	22	32.7	23.12	21	32.7	G0	C7	4704	C -31 7641
34	10.1	10.0W	45 17.343	0.0000	13	-36 0 10.07	0.006	13	0.26	17.343	15	35.8	10.16	21	35.8	F0 L	C8	4477	C -35 5935
35		7.7T	45 23.150	-0.0014	13	-37 29 30.81	-0.021	12	0.65	23.220	15	00.8	29.74	17	99.5	F8	GC	13498K	C*-37 6072
36		6.8T	45 26.499	0.0031	14	-33 0 38.56	-0.065	12	0.67	26.352	19	02.1	35.41	17	01.3	G5	GC	13499	C -32 6749
37	10.0	8.4W	45 28.261	-0.0016	13	-36 6 34.97	0.027	13	0.26	28.283	15	35.8	35.36	21	35.8	K2 L	C8	4479	C -35 5937
38	9.5	9.8W	45 28.609	-0.0009	21	-33 38 5.21	-0.032	21	0.42	28.624	22	32.7	4.65	21	32.7	A0	C7	4706	C -33 6367
39		6.9T	45 30.028	-0.0001	20	-37 57 26.28	-0.014	20	0.92	30.034	24	05.0	25.64	24	04.7	K2	GC	13501K	C -37 6073
40	9.6	9.2W	45 31.478	0.0068	21	-31 23 56.33	-0.007	21	0.42	31.361	22	32.7	56.21	21	32.7	G5	C7	4707	C -31 7644
41	10.2		45 33.104	-0.0016	21	-31 37 31.32	0.006	21	0.42	33.132	22	32.7	31.43	21	32.7	F2	C7	4708	C -31 7645
42	9.0	9.3W	45 34.233	-0.0041	21	-32 45 34.51	-0.015	21	0.42	34.304	22	32.7	34.25	21	32.7	A0	C7	4709	C -32 6750
43	11.2		45 34.842	-0.0009	30	-37 24 34.11	-0.004	30	0.46	34.854	15	35.8	34.06	21	35.8		C8	4481	C -37 6078
44	9.6	9.3W	45 39.610	-0.0101	21	-33 51 29.37	0.022	21	0.42	39.784	22	32.7	29.75	21	32.7	G5	C7	4710	C -33 6373
45	10.3	10.1W	45 42.760	-0.0052	21	-30 12 48.87	0.059	21	0.42	42.850	22	32.7	49.89	21	32.7	G0 L	C7	4711	C -29 7794
46	11.1	10.5W	45 45.787	-0.0020	21	-31 56 34.88	-0.015	21	0.42	45.822	22	32.7	34.63	21	32.7		C7	4712	C -31 7650
47	10.0	9.7W	45 49.552	0.0015	21	-34 53 26.84	-0.087	21	0.42	49.525	22	32.7	25.16	21	32.7	G5	C7	4713	C -34 6163
48	10.0	9.6W	45 50.524	-0.0021	21	-30 22 25.90	0.023	21	0.42	50.560	22	32.7	26.29	21	32.7	G5	C7	4714	C -30 7908
49		7.3T	45 55.827	-0.0092	17	-38 7 59.21	0.117	13	0.77	56.258	22	03.3	5.18	21	98.9	G0	GC	13509	C -37 6083
50	9.8	9.0W	46 1.236	-0.0014	21	-30 44 36.47	0.031	21	0.42	1.261	22	32.7	37.01	21	32.7	K0	C7	4715	C -30 7911
51	10.2	10.2W	9 46 1.646	0.0014	21	-31 54 48.77	-0.043	21	0.42	1.622	22	32.7	48.02	21	32.7	F5 L	C7	4716	C -31 7654
52	10.1	10.0W	46 5.896	-0.0020	18	-39 4 52.79	-0.024	18	0.31	5.925	15	35.8	52.46	21	35.8	F0 L	C8	4483	C -38 5925
53	10.4	10.2W	46 11.129	-0.0047	21	-31 17 6.37	0.077	21	0.42	11.211	22	32.7	7.71	21	32.7	G0 L	C7	4717	C -30 7913
54	8.7	7.7W	46 20.245	-0.0032	21	-30 5 15.50	0.063	21	0.42	20.300	22	32.7	16.59	21	32.7	G5	C7	4718	C -29 7805
55		7.2T	46 22.452	0.0005	12	-37 24 10.83	-0.015	12	0.63	22.428	19	99.7	10.06	19	98.7	K2	GC	13515	C -37 6085
56	8.9	9.0W	46 25.270	-0.0024	21	-32 26 12.92	-0.017	21	0.42	25.312	22	32.7	12.63	21	32.7	A2	C7	4719	C -32 6765
57	9.1	8.9W	46 26.518	-0.0039	13	-35 35 23.58	-0.002	13	0.26	26.573	15	35.8	23.56	21	35.8	F5	C8	4485	C -35 5945
58		8.1T	46 36.989	0.0019	15	-34 47 13.85	-0.013	13	0.71	36.900	19	02.5	13.22	19	01.1	A3	GC	13520K	C*-34 6170
59		8.1Q	46 37.369	-0.0002	13	-34 47 16.61	-0.027	15	0.72	37.380	19	01.3	15.32	21	02.1		GC	13521K	C -34 6170
60	8.4	8.6W	46 37.473	0.0006	13	-37 36 26.69	-0.010	13	0.26	37.464	15	35.8	26.56	21	35.8	A2	C8	4486	C -37 6089
61	10.0	9.7W	46 40.022	-0.0036	21	-34 5 14.52	-0.038	21	0.42	40.084	22	32.7	13.85	21	32.7	G0	C7	4721	C -33 6389
62	10.0	9.6W	46 42.062	0.0006	18	-36 26 50.06	-0.015	18	0.31	42.053	15	35.8	49.86	21	35.8	F8 L	C8	4487	C -36 5949
63	9.4	8.7W	46 44.468	-0.0103	09	-37 4 33.65	-0.021	09	0.22	44.614	15	35.8	33.36	21	35.8	K0	C8	4489	C -36 5950
64	8.5	8.6W	46 47.663	-0.0018	21	-32 35 30.49	-0.026	21	0.42	47.693	22	32.7	30.04	21	32.7	A2	C7	4722	C -32 6771
65	9.6	9.6W	46 47.949	-0.0032	21	-34 5 45.95	-0.034	21	0.42	48.004	22	32.7	45.35	21	32.7	A0	C7	4723	C -33 6391
66	10.1	8.7W	46 48.434	-0.0029	21	-33 15 21.87	0.022	21	0.42	48.484	22	32.7	22.24	21	32.7	K2	C7	4724	C -32 6772
67	10.7	9.6W	47 0.764	-0.0106	23	-36 33 29.78	0.026	23	0.37	0.914	15	35.8	30.16	21	35.8	G8 L	C8	4490	C -36 5952
68	9.3	9.6W	47 5.068	-0.0068	13	-38 0 37.38	-0.002	13	0.26	5.164	15	35.8	37.36	21	35.8	A0	C8	4491	C -37 6095
69	9.1	9.0W	47 5.973	-0.0071	21	-34 41 41.68	-0.001	21	0.42	6.095	22	32.7	41.66	21	32.7	A5	C7	4725	C -34 6172
70	9.1	9.0W	47 9.460	0.0000	21	-30 12 17.38	-0.005	21	0.42	9.460	22	32.7	17.29	21	32.7	F0	C7	4726	C -29 7818
71	9.2	8.3W	47 11.281	-0.0051	23	-35 43 39.21	-0.025	23	0.37	11.353	15	35.8	38.86	21	35.8	K0	C8	4492	C -35 5955
72	10.2	9.1W	47 16.616	-0.0012	06	-36 6 12.24	-0.013	06	0.20	16.633	15	35.8	12.05	21	35.8	K1 L	C8	4493	C -35 5957
73	9.5	8.1W	47 17.405	-0.0005	21	-33 10 27.35	-0.052	21	0.42	17.414	22	32.7	26.44	21	32.7	K2	C7	4727	C -32 6777
74	10.0	10.0W	47 18.596	-0.0016	21	-32 54 6.81	-0.004	21	0.42	18.624	22	32.7	6.74	21	32.7	G0	C7	4728	C -32 6779
75	10.4	9.5W	47 19.330	0.0003	21	-33 43 36.11	-0.026	21	0.42	19.324	22	32.7	35.65	21	32.7	K0	C7	4729	C -33 6403
76	8.7	8.6W	47 19.670	-0.0017	09	-38 6 56.80	0.032	09	0.22	19.694	15	35.8	57.26	21	35.8	F2	C8	4494	C -37 6099
77		6.0T	47 22.111	-0.0075	11	-36 57 10.44	0.019	12	0.64	22.504	19	97.8	11.44	19	97.0	K0	GC	13539	C -36 5955
78		9.1R	47 23.740	-0.0031	17	-30 29 36.92	0.009	17	0.32	23.792	16	33.2	37.07	16	33.2	K0 M	170	6445	J -30 7929
79	10.1	9.3W	47 27.277	-0.0028	21	-34 47 40.86	-0.011	21	0.42	27.325	22	32.7	40.66	21	32.7	G5	C7	4730	C -34 6184
80	9.9	9.1W	47 28.656	-0.0014	21	-30 29 26.35	0.066	21	0.42	28.680	22	32.7	27.49	21	32.7	K0	C7	4731	C -30 7933
81	10.3	8.7W	47 32.727	-0.0005	09	-37 1 15.53	-0.012	09	0.22	32.734	15	35.8	15.36	21	35.8	K5 L	C8	4496	C -36 5956
82	10.5	9.9W	47 35.242	-0.0013	21	-34 9 9.86	0.029	21	0.42	35.264	22	32.7	10.35	21	32.7	G5 L	C7	4732	C -33 6405
83	10.3	10.5W	47 41.273	-0.0010	21	-31 27 12.62	0.028	21	0.42	41.291	22	32.7	13.11	21	32.7	A2	C7	4733	C -31 7682
84		6.3T	47 44.114	-0.0022	08	-36 2 4.10	-0.001	08	0.51	44.248	17	88.8	4.03	17	87.6	K0	GC	13543	C -35 5961
85	8.7	8.6W	47 52.564	-0.0035	21	-34 19 28.07	0.005	21	0.42	52.624	22	32.7	28.15	21	32.7	F0	C7	4734	C -33 6410
86	9.0	8.1W	47 56.928	0.0002	09	-36 43 7.30	0.011	09	0.22	56.925	15	35.8	7.46	21	35.8	K2	C8	4498	C -36 5952
87		7.5T	47 58.283	-0.0041	12	-39 56 6.09	0.009	09	0.58	58.491	17	99.7	6.58	18	94.1	A0	GC	13546	C -39 5873
88	10.4	9.5W	47 58.931	-0.0017	18	-39 7 19.91	-0.004	18	0.31	58.955	15	35.8	19.86	21	35.8	K0 L	C8	4501	C -38 5954
89	9.8	10.1W	48 0.683	-0.0042	21	-34 52 16.39	0.010	21	0.42	0.755	22	32.7	16.56	21	32.7	A0	C7	4735	C -34 6194
90	9.6	8.3W	48 1.201	0.0029	21	-31 7 53.85	-0.020	21	0.42	1.151	22	32.7	53.51	21	32.7	K2	C7	4736	C -30 7938
91	9.5	8.9W	48 8.431	-0.0008	21	-33 52 48.62	0.025	21	0.42	8.444	22	32.7	49.05	21	32.7	G0	C7	4737	C -33 6414
92	10.3	9.0W	48 10.129	0.0009	21	-33 20 23.31	-0.004	21	0.42	10.113	22	32.7	23.24	21	32.7	K2	C7	4738	C -32 6791
93	10.1	10.1W	48 13.478	-0.0003	18	-35 13 58.38	0.005	18	0.31	13.482	15	35.8	58.45	21	35.8	A0	C8	4502	C -34 6198
94	9.5	9.7W	48 14.498	-0.0007	21	-30 13 45.94	0.032	21	0.42	14.510	22	32.7	46.49	21	32.7	F0	C7	4739	C -29 7830
95		7.7T	48 24.178	-0.0046	09	-36 1 39.27	0.027	09	0.56	24.438	17	93.2	40.80	18	92.8	A2	GC	13555	C -35 5971
96	9.9	8.9W	48 25.754	-0.0017	21	-32 37 44.12	-0.027	21	0.42	25.783	22	32.7	43.65	21	32.7	K0	C7	4740	C -32 6799
97	9.6	8.7W	48 26.884	-0.0081	21	-33 2 4.18	-0.002	21	0.42	27.024	22	32.7	4.15	21	32.7	G5	C7	4741	C -32 6800
98	10.2	9.8W	48 30.891	-0.0065	21	-32 51 23.54	-0.011	21	0.42	31.004	22	32.7	23.34	21	32.7	F8	C7	4742	C -32 6801
99	9.5	8.5W	48 37.080	-0.0003	13	-37 1 26.30	-0.024	13	0.26	37.084	15	35.8	25.96	21	35.8	K0 L	C8	4504	C -36 5963
00	9.1	9.4W	48 42.717	-0.0004	21	-33 8 22.02	0.013	21	0.42	42.724	22	32.7	22.25	21	32.7	A0	C7	4743	C -32 6803

200800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 9H DM NUMBER
1	8.1	8.1W	9 48 45.138	-0.0385	13	-38 36 25.30	-0.017	13	0.26	45.685	15	35.8	25.06	21	35.8	A0	C8	4506	C -38 5961
2	9.5	9.1W	48 45.670	-0.0003	18	-37 30 25.43	0.002	18	0.31	45.674	15	35.8	25.46	21	35.8	F2 L	C8	4505	C -37 6112
3	9.5	8.3W	48 49.651	0.0029	21	-30 42 7.09	-0.005	21	0.42	49.601	22	32.7	7.01	21	32.7	K2	C7	4744	C -30 7951
4		8.0T	48 52.058	0.0021	07	-31 16 29.91	0.023	07	0.30	51.974	10	10.8	30.83	12	09.6	F0	GC	13564	C -30 7953
5	10.2	9.2W	48 53.448	-0.0025	21	-31 32 41.13	0.046	21	0.42	53.492	22	32.7	41.93	21	32.7	K0	C7	4746	C -31 7702
6	10.0	8.9W	48 57.345	-0.0027	21	-32 17 23.82	-0.023	21	0.42	57.392	22	32.7	23.43	21	32.7	K0	C7	4747	C -31 7705
7	10.2	9.2W	49 0.133	-0.0008	13	-36 35 44.51	-0.053	13	0.26	0.144	15	35.8	43.76	21	35.8	K0 L	C8	4507	C -36 5968
8	9.4	9.6W	49 7.340	-0.0011	13	-38 35 6.48	0.005	13	0.26	7.355	15	35.8	6.56	21	35.8	A0	C8	4508	C -38 5971
9	10.3	9.7W	49 16.550	0.0026	18	-36 3 0.63	-0.012	18	0.31	16.513	15	35.8	0.46	21	35.8	K0 L	C8	4510	C -35 5980
10	10.3	9.9W	49 16.952	0.0020	13	-36 16 44.33	-0.034	13	0.26	16.923	15	35.8	43.85	21	35.8	G2 L	C8	4511	C -35 5979
11	10.9	10.1W	49 18.797	-0.0019	21	-30 21 4.63	0.050	21	0.42	18.830	22	32.7	5.49	21	32.7	G2 L	C7	4748	C -30 7960
12	9.0	9.2W	49 19.878	-0.0040	18	-38 16 57.32	-0.005	18	0.31	19.934	15	35.8	57.25	21	35.8	A2	C8	4512	C -37 6120
13	10.0	9.8W	49 20.828	-0.0004	21	-34 13 19.07	-0.024	21	0.42	20.834	22	32.7	18.65	21	32.7	F2	C7	4749	C -33 6431
14	11.0	9.2W	49 24.622	-0.0008	23	-35 40 15.92	-0.040	23	0.37	24.633	15	35.8	15.35	21	35.8	K0 L	C8	4514	C -35 5981
15	10.2	9.4W	49 26.585	-0.0041	13	-36 29 0.46	-0.015	13	0.26	26.643	15	35.8	0.26	21	35.8	K0 L	C8	4515	C -36 5970
16	10.1	8.5W	49 28.861	-0.0002	13	-39 26 56.80	-0.024	13	0.26	28.865	15	35.8	56.46	21	35.8	K0 L	C8	4516	C -39 5900
17	10.2	10.3W	49 31.758	-0.0008	21	-31 50 44.79	0.002	21	0.42	31.772	22	32.7	44.83	21	32.7	A2	C7	4750	C -31 7716
18	9.5	9.3W	49 35.160	-0.0052	21	-30 29 38.97	0.036	21	0.42	35.250	22	32.7	39.59	21	32.7	F5	C7	4751	C -30 7964
19	9.1	8.9W	49 35.524	0.0001	21	-35 1 52.95	-0.116	21	0.42	35.522	22	32.7	50.95	21	32.7	F5	C7	4752	C -34 6215
20		7.2T	49 44.979	-0.0001	12	-32 44 40.26	-0.007	12	0.63	44.985	15	99.1	39.91	17	97.2	G5	GC	13588	C*-32 6821
21	10.6	9.2W	49 46.368	-0.0032	13	-35 47 33.30	-0.060	13	0.26	46.413	15	35.8	32.46	21	35.8	K0 L	C8	4518	C -35 5985
22	10.4	9.0W	49 50.300	-0.0007	21	-32 11 43.44	-0.007	21	0.42	50.312	22	32.7	43.32	21	32.7	K2	C7	4754	C -31 7720
23	10.6	9.8W	49 55.434	-0.0039	21	-32 6 41.72	0.006	21	0.42	55.502	22	32.7	41.82	21	32.7	K2 L	C7	4755	C -31 7722
24	10.8		50 14.110	0.0011	15	-37 16 31.51	-0.018	15	0.28	14.094	15	35.8	31.26	21	35.8	F8 L	C8	4519	C -36 5977
25	8.5	8.7W	50 14.849	0.0002	21	-34 52 27.42	-0.032	21	0.42	14.845	22	32.7	26.86	21	32.7	A2	C7	4756	C -34 6230
26	10.6	9.7W	50 24.979	-0.0010	13	-35 38 27.07	0.020	13	0.26	24.993	15	35.8	27.36	21	35.8	G8 L	C8	4520	C -35 5989
27	9.1	9.1W	50 27.374	-0.0022	18	-38 50 55.24	0.036	18	0.31	27.405	15	35.8	55.75	21	35.8	F5 L	C8	4521	C -38 5991
28	9.5	8.7W	50 29.350	-0.0006	21	-31 0 26.28	0.013	21	0.42	29.361	22	32.7	26.51	21	32.7	G5	C7	4757	C -30 7981
29	9.4	9.6W	50 35.226	-0.0020	21	-30 7 48.30	0.069	21	0.42	35.260	22	32.7	49.49	21	32.7	A0	C7	4758	C -29 7871
30	9.8	8.6W	50 41.083	0.0013	13	-37 54 30.07	-0.001	13	0.26	41.064	15	35.8	30.06	21	35.8	K0	C8	4522	C -37 6134
31	10.2	9.3W	50 42.748	-0.0033	13	-37 4 58.32	-0.061	13	0.26	42.794	15	35.8	57.46	21	35.8	G8 L	C8	4523	C -36 5986
32	8.1	8.2W	50 43.069	-0.0004	13	-39 45 52.33	-0.012	13	0.26	43.076	15	35.8	52.16	21	35.8	A2	C8	4524	C -39 5916
33	10.5	9.7W	50 46.473	-0.0018	21	-32 32 6.10	0.020	21	0.42	46.504	22	32.7	6.45	21	32.7	K0	C7	4759	C -32 6839
34	10.0	8.5W	50 55.168	-0.0032	13	-35 43 55.63	0.016	13	0.26	55.213	15	35.8	55.86	21	35.8	MA	C8	4525	C -35 5994
35	10.6	9.6W	51 3.809	-0.0018	13	-36 41 17.32	-0.026	13	0.26	3.834	15	35.8	16.96	21	35.8	K0 L	C8	4526	C -36 5991
36	9.0	8.7W	51 7.836	-0.0048	06	-37 11 30.91	0.003	06	0.20	7.904	15	35.8	30.96	21	35.8	F8	C8	4527	C -36 5994
37		8.9T	51 13.816	-0.0022	16	-33 53 0.90	-0.016	16	0.76	13.917	21	04.3	0.17	21	03.8	A0	GC	13610	C -33 6467
38	8.9	9.0W	51 13.896	0.0001	13	-37 1 43.91	0.003	13	0.26	13.894	15	35.8	43.96	21	35.8	A2	C8	4528	C -36 5996
39	8.5	8.7W	51 16.528	-0.0020	13	-39 34 23.92	-0.005	13	0.26	16.556	15	35.8	23.85	21	35.8	A3	C8	4529	C -39 5926
40	11.2	10.1W	51 16.694	-0.0120	21	-31 30 50.94	-0.134	21	0.42	16.902	22	32.7	48.62	21	32.7		C7	4761	C -31 7745
41	7.7	7.5W	51 17.177	-0.0005	08	-38 10 22.00	0.025	08	0.22	17.184	15	35.8	22.36	21	35.8	F8	C8	4530	C -37 6142
42	10.4	10.1W	51 19.705	-0.0055	21	-30 12 40.10	0.086	21	0.42	19.800	22	32.7	41.59	21	32.7	G0	C7	4762	C -29 7887
43	10.1	9.3W	51 23.792	0.0007	21	-30 27 31.57	0.048	21	0.42	23.780	22	32.7	32.39	21	32.7	K0	C7	4763	C -30 7994
44		7.9T	51 29.546	0.0012	14	-31 51 56.32	-0.032	12	0.69	29.488	18	00.5	54.70	17	98.6	F8	GC	13616	C -31 7748
45	9.1	8.9W	51 42.502	-0.0051	13	-37 49 22.53	0.030	13	0.26	42.574	15	35.8	22.96	21	35.8	F5	C8	4531	C -37 6145
46		7.6T	51 44.462	-0.0066	14	-32 59 55.04	0.023	10	0.65	44.783	18	01.5	56.26	18	97.3	F0	GC	13623	C*-32 6854
47	10.7	10.3W	51 47.000	-0.0031	21	-33 21 26.76	0.034	21	0.42	47.053	22	32.7	27.34	21	32.7	A0 L	C7	4766	C -33 6475
48	8.5	8.6W	51 52.866	0.0015	18	-38 3 10.11	-0.004	18	0.31	52.844	15	35.8	10.05	21	35.8	A0	C8	4532	C -37 6146
49	9.4	8.7W	52 3.705	-0.0103	21	-33 4 47.98	0.027	21	0.42	3.883	22	32.7	48.44	21	32.7	G5	C7	4767	C -32 6859
50	9.6	9.3W	52 5.522	0.0020	13	-36 6 45.81	0.010	13	0.26	5.493	15	35.8	45.96	21	35.8	A5	C8	4533	C -35 6004
51	10.0	8.6W	9 52 9.077	0.0015	21	-31 10 1.83	0.016	21	0.42	9.051	22	32.7	2.11	21	32.7	K2	C7	4768	C -30 8005
52	9.7	8.7W	52 9.205	-0.0027	13	-35 33 17.18	0.012	13	0.26	9.243	15	35.8	17.36	21	35.8	K0	C8	4534	C -35 6006
53	10.1	10.0W	52 17.079	-0.0046	18	-37 47 11.02	0.038	18	0.31	17.144	15	35.8	11.56	21	35.8	A5 L	C8	4535	C -37 6151
54	7.7	7.5W	52 21.832	-0.0009	07	-37 3 8.88	-0.051	07	0.21	21.844	15	35.8	8.16	21	35.8	F2	C8	4536	C -36 6009
55		7.1T	52 23.022	-0.0042	09	-34 40 13.18	-0.017	10	0.55	23.248	18	96.5	12.28	18	97.1	A2	GC	13640K	C*-34 6256
56	10.1	8.9W	52 23.336	-0.0013	13	-37 57 1.48	0.005	13	0.26	23.354	15	35.8	1.56	21	35.8	K2	C8	4537	C -37 6152
57	10.5	9.6W	52 31.078	-0.0025	21	-32 1 9.72	0.006	21	0.42	31.122	22	32.7	9.82	21	32.7	G5 L	C7	4770	C -31 7770
58	9.0	8.0W	52 34.962	-0.0030	13	-39 58 33.68	0.026	13	0.26	35.006	15	35.8	34.06	21	35.8	K0	C8	4538	C -39 5948
59	10.0	9.0W	52 35.087	-0.0020	18	-38 47 6.60	0.004	18	0.31	35.115	15	35.8	6.66	21	35.8	K0	C8	4539	C -38 6012
60	10.0	9.3W	52 37.403	-0.0019	21	-34 36 22.05	0.024	21	0.42	37.435	22	32.7	22.46	21	32.7	K0	C7	4771	C -34 6259
61	10.0	10.0W	52 46.506	-0.0012	18	-36 5 0.07	0.020	18	0.31	46.523	15	35.8	0.36	21	35.8	F0 L	C8	4540	C -35 6010
62	8.2	8.5W	52 47.560	-0.0010	09	-37 6 10.18	-0.009	09	0.22	47.574	15	35.8	10.06	21	35.8	A0	C8	4541	C -36 6016
63	9.4	8.5W	52 48.473	-0.0028	06	-35 23 35.68	-0.009	06	0.20	48.512	15	35.8	35.56	21	35.8	K0	C8	4542	C -35 6013
64	10.7	9.7W	52 48.818	-0.0027	21	-34 17 43.84	0.001	21	0.42	48.864	22	32.7	43.85	21	32.7	K2	C7	4772	C -33 6490
65	9.5	9.7W	52 59.157	-0.0033	21	-32 52 6.29	0.032	21	0.42	59.213	22	32.7	6.84	21	32.7	A2	C7	4773	C -32 6877
66		7.5T	53 0.162	-0.0047	14	-33 27 13.19	-0.023	12	0.67	0.394	18	00.8	12.06	19	00.4	G5	GC	13657	C*-33 6493
67	11.2	9.6W	53 0.327	-0.0069	23	-36 36 17.39	0.040	23	0.37	0.424	15	35.8	17.96	21	35.8	K5 L	C8	4543	C -36 6017
68		7.5T	53 1.157	-0.0040	13	-33 7 32.48	-0.024	11	0.64	1.353	18	01.3	31.26	18	98.4	G5	GC	13658	C -32 6879
69	8.6	9.1W	53 12.872	0.0019	13	-38 31 31.04	0.022	13	0.26	12.845	15	35.8	31.35	21	35.8	B3	C8	4544	C -38 6018
70	10.3	9.0W	53 13.427	-0.0006	13	-38 41 20.11	0.003	13	0.26	13.435	15	35.8	20.16	21	35.8	K5	C8	4545	C -38 6019
71	10.3	9.6W	53 28.447	-0.0022	21	-34 20 50.70	0.038	21	0.42	28.484	22	32.7	51.35	21	32.7	K0	C7	4776	C -33 6505
72	10.3	8.9W	53 35.202	-0.0017	21	-32 20 54.91	-0.028	21	0.42	35.232	22	32.7	54.42	21	32.7	K5	C7	4777	C -32 6883
73	10.6	8.8W	53 36.240	0.0004	09	-36 51 0.62	-0.019	09	0.22	36.234	15	35.8	0.36	21	35.8	K2 L	C8	4547	C -36 6026
74	9.5	8.6W	53 37.046	0.0001	11	-36 39 34.58	-0.030	11	0.24	37.044	15	35.8	34.16	21	35.8	K0	C8	4548	C -36 6025
75	9.1	8.8W	53 40.049	-0.0060	08	-36 55 24.10	-0.003	08	0.22	40.134	15	35.8	24.06	21	35.8	G5	C8	4549	C -36 6027
76	9.0	9.1W	53 43.702	-0.0019	21	-34 14 25.23	-0.004	21	0.42	43.734	22	32.7	25.15	21	32.7	F5	C7	4778	C -33 6507
77	9.9	8.9W	53 53.211	0.0012	21	-31 3 55.36	-0.009	21	0.42	53.191	22	32.7	55.21	21	32.7	K0	C7	4779	C -30 8037
78		7.0T	53 53.835	-0.0016	20	-39 18 53.57	-0.067	20	0.92	53.909	24	04.9	50.52	24	04.6	K0	GC	13680	C -38 6032
79	10.3	10.3W	53 54.405	-0.0040	21	-33 58 32.88	-0.013	21	0.42	54.474	22	32.7	32.65	21	32.7	A0	C7	4780	C -33 6511
80		7.1T	54 2.645	-0.0006	10	-30 51 12.20	-0.007	10	0.59	2.681	17	94.7	11.78	17	92.3	A0	GC	13686	C*-30 8043
81	10.3	9.4W	54 5.707	-0.0025	21	-31 28 14.27	0.008	21	0.42	5.751	22	32.7	14.41	21	32.7	K5	C7	4782	C -31 7790
82	10.2	10.0W	54 8.547	-0.0014	21	-31 51 38.65	0.027	21	0.42	8.572	22	32.7	39.12	21	32.7	G0	C7	4783	C -31 7792
83	9.4	7.5W	54 9.808	-0.0040	18	-38 16 11.64	0.008	18	0.31	9.864	15	35.8	11.76	21	35.8	K5	C8	4552	C -37 6171
84	9.4	9.2W	54 11.878	0.0045	21	-30 6 59.80	-0.000	21	0.42	11.800	22	32.7	59.79	21	32.7	F5	C7	4784	C -29 7933
85	10.1	8.6W	54 13.076	-0.0015	21	-32 0 17.17	-0.003	21	0.42	13.102	22	32.7	17.13	21	32.7	MA	C7	4785	C -31 7795
86	9.5	8.6W	54 14.909	-0.0001	21	-30 38 12.45	0.003	21	0.42	14.911	22	32.7	12.51	21	32.7	K0	C7	4786	C -30 8046
87	9.2	9.7W	54 20.620	-0.0000	21	-31 12 13.16	0.014	21	0.42	20.621	22	32.7	13.41	21	32.7	B3	C7	4787	C -30 8049
88	10.1	9.5W	54 21.308	-0.0025	13	-36 17 46.24	-0.034	13	0.26	21.343	15	35.8	45.76	21	35.8	K0 L	C8	4553	C -35 6028
89		5.9T	54 24.287	0.0022	07	-33 10 49.61	0.019	06	0.30	24.197	09	08.8	50.47	10	05.7	K0	GC	13695	C -32 6895
90	9.4	8.4W	54 27.049	-0.0044	21	-33 30 40.90	-0.014	21	0.42	27.124	22	32.7	40.65	21	32.7	K0	C7	4789	C -33 6523
91	10.5	10.1W	54 34.023	-0.0043	13	-36 53 55.56	-0.043	13	0.26	34.084	15	35.8	54.96	21	35.8	F5 L	C8	4554	C -36 6034
92	9.0	9.2W	54 44.101	-0.0002	18	-37 16 14.68	-0.009	18	0.31	44.104	15	35.8	14.56	21	35.8	A2	C8	4555	C -36 6035
93		7.5T	54 48.969	-0.0033	12	-34 35 14.37	0.005	10	0.61	49.137	18	99.7	14.65	18	96.0	F5	GC	13705	C*-34 6289
94	10.5	9.9W	54 49.458	-0.0013	21	-30 24 5.26	0.008	21	0.42	49.480	22	32.7	5.39	21	32.7	G5 L	C7	4791	C -30 8057
95	9.7	8.9W	54 50.974	0.0001	13	-35 27 12.40	0.004	13	0.26	50.972	15	35.8	12.46	21	35.8	G5	C8	4556	C -35 6031
96	9.3	9.0W	54 52.071	0.0016	21	-32 55 39.67	-0.030	21	0.42	52.044	22	32.7	39.15	21	32.7	F8	C7	4792	C -32 6903
97	8.2	8.4W	55 4.387	-0.0074	21	-34 50 45.28	0.034	21	0.42	4.515	22	32.7	45.86	21	32.7	A2	C7	4793	C -34 6292
98		7.1T	55 4.798	-0.0023	16	-32 37 8.86	-0.014	12	0.72	4.909	17	02.2	8.16	18	99.1	A2	GC	13709	C -32 6909
99	10.1	9.5W	55 10.357	-0.0031	09	-35 17 49.08	-0.077	09	0.22	10.402	15	35.4	47.95	21	35.4	K0	C8	4558	C -34 6295
00	9.9	9.6W	55 10.861	-0.0036	21	-32 26 38.20	-0.040	21	0.41	10.922	22	33.3	37.53	21	33.3	F2 L	C7	4795	C -32 6910

200900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 9H DM NUMBER
1	8.7	8.9W	9 55 12.692	0.0007	21	-30 56 5.16	-0.009	21	0.41	12.681	22	33.3	5.01	21	33.3	A0		C7	4796	C -30 8060
2	10.1		55 16.091	-0.0043	16	-39 3 17.86	0.013	18	0.32	16.155	15	35.4	18.05	21	35.4	A0		C8	4560	C -38 6053
3	9.3	9.6W	55 16.168	-0.0022	21	-34 27 27.19	-0.074	21	0.41	16.204	22	33.3	25.95	21	33.3	A0		C7	4797	C -34 6296
4	10.4	9.4W	55 16.281	-0.0006	21	-34 6 20.94	-0.029	21	0.41	16.294	22	33.3	20.45	21	33.3	K2	L	C7	4798	C -33 6531
5	10.1	8.9W	55 16.457	0.0004	21	-31 12 44.36	0.015	21	0.41	16.451	22	33.3	44.61	21	33.3	K0		C7	4799	C -30 8062
6	10.6	9.7W	55 23.763	0.0008	21	-30 12 49.73	0.010	21	0.41	23.750	22	33.3	49.89	21	33.3	K0		C7	4800	C -29 7953
7	9.9	9.8W	55 33.183	-0.0010	21	-30 13 31.33	-0.014	21	0.41	33.200	22	33.3	31.09	21	33.3	F8		C7	4801	C -29 7956
8	10.1	9.3W	55 36.265	-0.0012	13	-35 25 14.30	0.024	13	0.26	36.282	15	35.4	14.65	21	35.4	K0		C8	4561	C -35 6039
9	8.8	8.7W	55 37.539	-0.0009	21	-33 1 43.03	0.001	21	0.41	37.554	22	33.3	43.05	21	33.3	A5		C7	4802	C -32 6921
10	9.0	9.1W	55 37.703	-0.0049	21	-33 58 34.69	0.022	21	0.41	37.784	22	33.3	35.05	21	33.3	A0		C7	4803	C -33 6539
11	9.3	9.0W	55 43.256	0.0021	21	-31 33 17.69	0.008	21	0.41	43.222	22	33.3	17.83	21	33.3	F5		C7	4804	C -31 7814
12	10.1	9.4W	55 45.542	0.0013	21	-30 9 29.99	0.048	21	0.41	45.520	22	33.3	30.79	21	33.3	F5	L	C7	4805	C -29 7960
13	9.2	9.3W	55 48.245	-0.0027	18	-37 55 22.82	0.016	18	0.32	48.284	15	35.4	23.05	21	35.4	A2		C8	4562	C -37 6186
14	10.1	9.1W	55 50.072	-0.0006	21	-35 4 8.35	0.006	21	0.41	50.082	22	33.3	8.45	21	33.3	K2		C7	4806	C -34 6302
15	9.9	8.3W	55 51.893	0.0012	13	-39 20 7.65	0.021	13	0.26	51.895	15	35.4	7.95	21	35.4	K5		C8	4563	C -38 6058
16	10.3	10.2W	56 5.223	-0.0095	21	-31 32 44.98	-0.039	21	0.41	5.382	22	33.3	44.33	21	33.3	F8	L	C7	4807	C -31 7818
17	8.9	8.7W	56 12.676	-0.0046	13	-35 49 2.88	0.046	13	0.26	12.743	15	35.4	3.55	21	35.4	G5		C8	4564	C -35 6046
18	10.5		56 15.011	-0.0054	21	-31 45 11.09	0.026	21	0.41	15.102	22	33.3	11.53	21	33.3	B8	L	C7	4808	C -31 7820
19	8.7	9.2W	56 15.158	0.0008	13	-39 56 11.05	-0.007	13	0.26	15.146	15	35.4	10.95	21	35.4	A0		C8	4565	C -39 6006
20	10.7	9.8W	56 15.611	-0.0023	18	-36 35 15.07	-0.022	18	0.32	15.644	15	35.4	14.75	21	35.4	G8	L	C8	4566	C -36 6047
21	11.1	10.3W	56 18.474	-0.0022	21	-30 53 55.01	-0.042	21	0.41	18.511	22	33.3	54.31	21	33.3			C7	4809	C -30 8073
22	10.5	9.0W	56 21.109	-0.0026	13	-37 56 43.61	0.003	13	0.26	21.144	15	35.4	43.65	21	35.4	K5		C8	4569	C -37 6192
23	8.3	8.3W	56 32.094	-0.0018	21	-33 25 39.58	-0.044	21	0.41	32.124	22	33.3	38.85	21	33.3	F2		C7	4810	C -33 6554
24	10.4	9.5W	56 36.125	-0.0024	21	-34 18 9.41	0.009	21	0.41	36.164	22	33.3	9.55	21	33.3	K0		C7	4811	C -33 6556
25	10.6	9.8W	56 36.470	-0.0043	21	-32 29 18.06	0.004	21	0.41	36.542	22	33.3	18.13	21	33.3			C7	4812	C -32 6936
26		5.2M	56 43.347	-0.0081	03	-35 39 3.66	-0.024	03	0.10	43.601	04	18.5	2.92	05	19.4	F0		F4	377	C -35 6050
27	9.5	9.2W	56 44.210	-0.0043	21	-31 52 25.33	-0.006	21	0.41	44.262	22	33.3	25.23	21	33.3	F8		C7	4813	C -31 7829
28	9.5	9.5W	56 46.200	-0.0061	21	-31 33 15.05	-0.085	21	0.41	46.302	22	33.3	13.63	21	33.3	B9		C7	4814	C -31 7831
29	10.5	10.1W	56 50.730	-0.0044	18	-38 12 46.71	0.003	18	0.32	50.794	15	35.4	46.75	21	35.4	F8	L	C8	4571	C -37 6201
30	10.7	9.3W	56 51.416	-0.0040	23	-36 55 36.11	0.030	23	0.38	51.474	15	35.4	36.55	21	35.4	K5		C8	4572	C -36 6056
31	8.6	8.2W	56 57.228	-0.0153	21	-33 16 38.70	-0.003	21	0.41	57.484	22	33.3	38.65	21	33.3	G0		C7	4815	C -32 6942
32	10.5	9.0W	57 2.925	-0.0013	23	-37 7 52.24	-0.061	23	0.38	2.944	15	35.4	51.35	21	35.4	K5		C8	4574	C -36 6058
33	8.0	8.5W	57 3.080	-0.0018	21	-30 28 58.53	0.016	21	0.41	3.110	22	33.3	58.79	21	33.3	B8		C7	4816	C -30 8083
34	10.5	9.0W	57 3.712	-0.0013	21	-33 28 16.35	-0.048	21	0.41	3.734	22	33.3	15.55	21	33.3			C7	4817	C -33 6565
35	10.0	9.0W	57 25.228	-0.0051	09	-35 27 11.39	0.004	09	0.22	25.302	15	35.4	11.45	21	35.4	K2		C8	4576	C -35 6058
36	10.9	9.7W	57 25.727	-0.0004	13	-35 35 25.08	-0.036	13	0.26	25.733	15	35.4	24.55	21	35.4	K0	L	C8	4577	C -35 6059
37	10.0	9.2W	57 28.252	-0.0031	21	-33 14 7.66	-0.049	21	0.41	28.304	22	33.3	6.85	21	33.3	K0		C7	4818	C -32 6945
38	9.0	9.2W	57 33.853	-0.0023	21	-32 21 50.90	0.002	21	0.41	33.892	22	33.3	50.93	21	33.3	A0		C7	4819	C -32 6948
39	10.1	9.3W	57 36.134	-0.0023	21	-35 6 59.38	-0.002	21	0.41	36.172	22	33.3	59.35	21	33.3	K2		C7	4820	C -34 6327
40	9.8	9.8W	57 37.325	-0.0041	18	-37 43 46.22	0.016	18	0.32	37.384	15	35.4	46.45	21	35.4	A0		C8	4578	C -37 6210
41		8.4R	57 39.337	-0.0035	12	-30 1 33.51	-0.092	12	0.26	39.397	16	33.2	31.96	16	33.2	G0	J	13B	6566	J -29 7990
42	9.7	9.3W	57 39.519	-0.0004	21	-34 46 48.18	0.017	21	0.41	39.525	22	33.3	48.46	21	33.3	G0		C7	4821	C -34 6320
43	9.9	9.4W	57 41.695	-0.0035	21	-32 56 55.63	0.031	21	0.41	41.754	22	33.3	56.15	21	33.3	G0		C7	4822	C -32 6951
44		7.3T	57 43.388	-0.0020	15	-31 6 33.91	0.004	11	0.69	43.484	18	00.8	34.11	18	95.3	K2		GC	13759	C#-30 8094
45		8.5T	57 43.817	-0.0005	20	-32 19 20.62	-0.008	22	0.97	43.841	19	04.6	20.28	21	05.8	K0		GC	13760	C -31 7845
46	10.3	9.2W	57 46.789	0.0011	21	-31 10 20.42	0.047	21	0.41	46.771	22	33.3	21.21	21	33.3	K0	L	C7	4825	C -30 8095
47	10.2	10.4W	57 54.621	-0.0016	18	-36 48 42.34	0.001	18	0.32	54.644	15	35.4	42.35	21	35.4	A0		C8	4579	C -36 6064
48	11.3	10.3W	57 55.660	-0.0055	21	-31 56 44.84	-0.043	21	0.41	55.752	22	33.3	44.13	21	33.3			C7	4826	C -31 7848
49	7.7	7.3W	57 57.515	-0.0170	05	-35 48 12.46	0.054	05	0.20	57.763	15	35.4	13.25	21	35.4	G0		C8	4580	C -35 6067
50	10.9	10.4W	57 58.851	-0.0105	18	-38 15 58.16	0.020	18	0.32	59.004	15	35.4	58.45	21	35.4	F5	L	C8	4581	C -37 6218
51	7.7	8.0W	9 58 3.751	-0.0013	21	-35 4 23.37	-0.013	21	0.41	3.772	22	33.3	23.15	21	33.3	A0		C7	4827	C -34 6332
52	9.2	8.2W	58 9.226	-0.0019	23	-36 29 56.46	-0.049	23	0.38	9.253	15	35.4	55.75	21	35.4	G5		C8	4582	C -36 6067
53	9.1	9.2W	58 11.113	0.0008	21	-30 23 21.98	0.037	21	0.41	11.100	22	33.3	22.59	21	33.3	A2		C7	4828	C -30 8106
54	9.3	9.3W	58 19.106	-0.0039	21	-31 55 54.34	0.005	21	0.41	19.172	22	33.3	54.43	21	33.3	A2		C7	4829	C -31 7855
55	10.7	9.3W	58 22.945	-0.0017	21	-33 9 40.22	-0.010	21	0.41	22.973	22	33.3	40.05	21	33.3			C7	4830	C -32 6962
56	9.6	9.5W	58 28.509	-0.0051	09	-35 42 4.21	-0.011	09	0.22	28.583	15	35.4	4.05	21	35.4	A5		C8	4584	C -35 6073
57	8.8	8.8W	58 32.839	0.0017	21	-30 32 25.41	0.018	21	0.41	32.811	22	33.3	25.71	21	33.3	A2		C7	4831	C -30 8108
58	10.8	10.1W	58 39.558	-0.0007	21	-30 24 24.04	0.027	21	0.41	39.570	22	33.3	24.49	21	33.3	K0	L	C7	4832	C -30 8109
59	9.3	9.1W	58 50.165	-0.0018	21	-34 3 3.06	-0.018	21	0.41	50.194	22	33.3	2.75	21	33.3	F2		C7	4833	C -33 6589
60	9.5	9.2W	58 54.459	-0.0033	21	-32 52 45.60	-0.003	21	0.41	54.514	22	33.3	45.55	21	33.3	F5		C7	4834	C -32 6968
61	9.8	8.3W	58 59.378	-0.0016	21	-34 23 20.26	0.012	21	0.41	59.404	22	33.3	20.45	21	33.3	K5		C7	4835	C -34 6342
62	10.6	9.2W	59 2.087	-0.0008	21	-31 26 45.42	0.029	21	0.41	2.101	22	33.3	45.91	21	33.3	K2		C7	4836	C -31 7869
63		8.0T	59 2.303	-0.0006	13	-39 8 29.07	-0.045	11	0.65	2.334	19	01.0	26.71	18	97.8	K0		GC	13774	C -38 6104
64	10.8	10.0W	59 8.338	-0.0020	21	-32 7 10.99	0.020	21	0.41	8.372	22	33.3	11.33	21	33.3	K0	L	C7	4837	C -31 7872
65		7.1T	59 8.361	-0.0029	10	-39 12 35.59	-0.002	09	0.56	8.537	18	96.8	35.46	19	92.3	B9		GC	13777	C#-38 6105
66	10.5	10.1W	59 14.122	-0.0071	21	-31 25 29.94	0.046	21	0.41	14.241	22	33.3	30.71	21	33.3	F8	L	C7	4838	C -31 7874
67	9.4	9.5W	59 16.690	-0.0015	11	-35 25 55.78	-0.016	11	0.24	16.712	15	35.4	55.55	21	35.4	A2		C8	4589	C -35 6078
68		8.4T	59 16.782	0.0002	11	-37 51 25.22	-0.022	11	0.63	16.773	17	97.8	23.98	18	93.9	F8		GC	13779	C -37 6228
69	10.4	9.7W	59 18.188	-0.0010	21	-33 41 17.11	-0.039	21	0.41	18.204	22	33.3	16.45	21	33.3	K0	L	C7	4839	C -33 6593
70	10.8	9.2W	59 18.303	-0.0034	23	-35 27 29.68	-0.029	23	0.38	18.352	15	35.4	29.25	21	35.4			C8	4591	C -35 6079
71	9.1	9.3W	59 20.542	-0.0043	21	-32 58 1.55	-0.012	21	0.41	20.614	22	33.3	1.35	21	33.3	A0		C7	4840	C -32 6979
72		9.3T	59 23.060	0.0024	13	-37 51 0.32	-0.016	12	0.51	22.972	18	13.2	59.70	18	11.5	MB		GC	13781	C -37 6230
73	9.7	8.8W	59 23.709	0.0023	21	-30 33 40.74	0.010	21	0.41	23.671	22	33.3	40.91	21	33.3	G5		C7	4841	C -30 8116
74	9.2	9.4W	59 24.320	-0.0020	21	-33 19 47.77	-0.001	21	0.41	24.354	22	33.3	47.75	21	33.3	B9		C7	4842	C -32 6980
75	9.8	9.9W	59 24.479	-0.0045	18	-37 27 14.75	0.000	18	0.32	24.544	15	35.4	14.75	21	35.4	A0		C8	4593	C -37 6229
76	9.4	8.7W	59 37.175	0.0000	21	-34 14 51.12	-0.004	21	0.41	37.174	22	33.3	51.05	21	33.3	G5		C7	4843	C -33 6601
77	10.4	9.9W	59 37.602	-0.0029	08	-37 8 38.92	-0.087	08	0.22	37.644	15	35.4	37.65	21	35.4	G8	L	C8	4594	C -36 6083
78	10.2	9.8W	59 39.329	-0.0058	13	-36 18 47.42	0.023	13	0.26	39.413	15	35.4	47.75	21	35.4	G0	L	C8	4595	C -35 6085
79	9.8	10.0W	59 43.538	-0.0056	21	-31 34 51.94	-0.007	21	0.41	43.632	22	33.3	51.83	21	33.3	A		C7	4844	C -31 7886
80	8.1	8.0W	59 44.209	0.0002	09	-38 40 44.28	-0.009	09	0.22	44.205	15	35.4	44.15	21	35.4	F2		C8	4597	C -38 6110
81	10.2	9.1W	59 46.591	-0.0036	13	-35 57 48.71	-0.004	13	0.26	46.643	15	35.4	48.65	21	35.4	K0	L	C8	4598	C -35 6086
82		7.2T	59 49.254	-0.0058	11	-33 55 55.86	0.015	10	0.58	49.558	17	97.5	56.68	14	95.9	A5		GC	13791	C -33 6603
83	9.9	9.3W	59 49.340	-0.0066	21	-33 26 41.48	-0.014	21	0.41	49.484	22	33.3	41.25	21	33.3	G5		C7	4846	C -33 6602
84	10.1	8.9W	59 52.940	-0.0032	21	-32 54 53.63	0.031	21	0.41	52.994	22	33.3	54.15	21	33.3	K5	L	C7	4847	C -32 6986
85	9.2	9.2W	59 54.834	-0.0028	18	-38 26 45.14	0.001	18	0.32	54.874	15	35.4	45.15	21	35.4	A2		C8	4599	C -38 6111
86	9.6	8.9W	59 57.572	0.0004	21	-34 42 48.12	0.015	21	0.41	57.565	22	33.3	48.36	21	33.3	K0		C7	4848	C -34 6356
87	8.9	9.2W	10 0 1.155	-0.0009	21	-31 4 6.81	0.000	21	0.41	1.171	22	33.3	6.81	21	33.3	A0		C7	4849	C -30 8125
88	9.8	9.5W	0 2.571	0.0005	13	-35 51 47.32	-0.053	13	0.26	2.563	15	35.4	46.55	21	35.4	F5	L	C8	4600	C -35 6089
89	10.2	8.8W	0 12.851	-0.0002	12	-38 54 58.60	0.024	12	0.25	12.855	15	35.4	58.95	21	35.4	K5		C8	4601	C -38 6117
90	10.0	9.8W	0 13.730	-0.0062	21	-32 53 24.53	0.001	21	0.41	13.834	22	33.3	24.55	21	33.3	F2	L	C7	4850	C -32 6996
91	10.7	9.4W	0 17.370	-0.0001	21	-31 40 39.03	-0.030	21	0.41	17.372	22	33.3	38.53	21	33.3	K5	L	C7	4851	C -31 7895
92	11.1	9.2W	0 29.919	-0.0004	13	-36 45 50.36	-0.001	13	0.26	29.946	15	35.4	50.35	21	35.4			C8	4602	C -36 6094
93	9.2	8.3W	0 31.220	-0.0019	21	-31 43 42.29	-0.004	21	0.41	31.252	22	33.3	42.23	21	33.3	K0		C7	4852	C -31 7896
94		6.6T	0 35.011	-0.0016	11	-30 20 8.82	0.017	10	0.60	35.093	17	97.3	9.77	18	94.2	K0		GC	13810	C -29 8034
95	10.0	9.3W	0 42.045	0.0003	21	-31 10 4.66	0.003	21	0.41	42.041	22	33.3	4.71	21	33.3	K0		C7	4854	C -30 8138
96		9.0R	0 47.090	-0.0056	17	-30 1 40.02	0.058	17	0.32	47.185	16	33.2	41.00	16	33.2	F8	J	13B	6605	J -29 8037
97	10.6	10.3W	0 49.987	-0.0038	21	-31 15 22.49	-0.005	21	0.41	50.051	22	33.3	22.41	21	33.3	A0	L	C7	4855	C -30 8140
98	10.8	10.1W	0 51.934	-0.0014	13	-36 33 39.67	-0.001	13	0.26	51.954	15	35.4	39.65	21	35.4	G8	L	C8	4605	C -36 6100
99	10.3	9.1W	0 53.163	-0.0007	13	-35 57 23.27	-0.001	13	0.26	53.173	15	35.4	23.25	21	35.4	K2	L	C8	4606	C -35 6099
00	10.7	9.9W	0 54.767	-0.0026	21	-30 12 36.24	0.009	21	0.41	54.810	22	33.3	36.39	21	33.3	K0	L	C7	4856	C -29 8040

201000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 10H DM NUMBER
1	10.3	9.2W	10 0 55.955	-0.0016	21	-31 47 18.11	-0.011	21	0.41	55.982	22	33.3	17.93	21	33.3	K5		C7	4857	C -31 7905
2		7.5T	0 58.624	-0.0040	14	-39 10 54.92	-0.009	13	0.73	59.025	22	00.1	54.45	21	98.7	K0		GC	13818	C -38 6129
3	9.8	9.5W	1 2.348	-0.0056	21	-32 27 33.15	-0.013	21	0.41	2.442	22	33.3	32.93	21	33.3	F2		C7	4858	C -32 7008
4	10.1	9.6W	1 7.100	-0.0051	18	-38 1 13.79	-0.003	18	0.32	7.174	15	35.4	13.75	21	35.4	G5		C8	4609	C -37 6250
5		6.8T	1 11.286	-0.0026	12	-32 59 45.47	-0.016	08	0.58	11.436	15	97.0	44.54	15	91.5	K0		GC	13822	C*-32 7009
6		8.3R	1 15.494	-0.0029	20	-30 0 27.33	-0.031	20	0.37	15.543	16	33.2	26.81	16	33.2	A2	J	13B	6611	J -29 8046
7	8.2	8.6W	1 16.295	0.0007	09	-37 6 14.16	-0.042	09	0.22	16.284	15	35.4	13.55	21	35.4	B9		C8	4612	C -36 6105
8	9.6	9.4W	1 32.657	-0.0018	23	-36 5 34.08	-0.043	23	0.58	32.683	15	35.4	33.45	21	35.4	F0		C8	4614	C -35 6109
9	8.4	6.8W	1 37.999	-0.0025	07	-39 2 11.46	0.013	07	0.21	38.035	15	35.4	11.65	21	35.4	K5		C8	4615	C -38 6135
10	10.6	9.4W	1 40.175	0.0030	21	-34 22 55.94	-0.047	21	0.41	40.124	22	33.3	55.15	21	33.3	K		C7	4861	C -34 6380
11	10.0	9.2W	1 42.413	-0.0023	21	-32 11 49.39	-0.046	21	0.41	42.452	22	33.3	48.63	21	33.3	K0		C7	4862	C -31 7917
12	9.2	8.3W	1 44.022	-0.0008	21	-34 37 48.64	-0.010	21	0.41	44.035	22	33.3	48.46	21	33.3	K0		C7	4863	C -34 6383
13	9.9	9.7W	1 50.403	0.0008	21	-30 14 38.74	0.045	21	0.41	50.390	22	33.3	39.49	21	33.3	F0	L	C7	4864	C -29 8056
14	9.3	9.1W	1 56.136	-0.0005	06	-36 20 23.08	-0.002	06	0.20	56.143	15	35.4	23.05	21	35.4	F5		C8	4617	C -35 6115
15	9.6	9.5W	1 59.963	-0.0017	21	-32 26 7.06	-0.032	21	0.41	59.992	22	33.3	6.53	21	33.3	F5		C7	4865	C -32 7021
16	9.6	9.4W	2 1.935	-0.0024	21	-33 58 43.39	-0.038	21	0.41	1.974	22	33.3	42.75	21	33.3	F0		C7	4866	C -33 6628
17	9.5	9.5W	2 3.829	-0.0061	21	-31 29 48.89	0.007	21	0.41	3.931	22	33.3	49.01	21	33.3	F2		C7	4867	C -31 7920
18	8.4	8.7W	2 5.596	0.0007	10	-39 17 47.85	0.000	10	0.23	5.585	15	35.4	47.85	21	35.4	A2		C8	4618	C -38 6142
19	9.8	9.6W	2 8.224	-0.0030	21	-33 4 25.77	0.011	21	0.41	8.274	22	33.3	25.95	21	33.3	A0		C7	4868	C -32 7023
20		6.4T	2 16.960	-0.0036	08	-39 43 57.78	-0.003	08	0.35	17.114	10	07.5	57.64	10	06.7	K0		GC	13853	C -39 6100
21	10.8		2 20.412	-0.0028	18	-35 16 39.06	-0.014	18	0.32	20.452	15	35.4	38.85	21	35.4	F2	L	C8	4621	C -34 6389
22	9.7	9.4W	2 20.859	-0.0015	21	-32 45 23.36	-0.001	21	0.41	20.883	22	33.3	23.35	21	33.3	G0		C7	4869	C -32 7026
23	10.9	9.3W	2 25.210	-0.0022	13	-35 26 38.91	-0.004	13	0.26	25.242	15	35.4	38.85	21	35.4	K5	L	C8	4622	C -35 6123
24	9.4	9.0W	2 31.985	-0.0006	21	-34 21 9.34	-0.029	21	0.41	31.994	22	33.3	8.85	21	33.3	F5		C7	4870	C -33 6638
25	9.6	9.4W	2 37.258	-0.0046	10	-39 29 44.88	-0.016	10	0.23	37.325	15	35.4	44.65	21	35.4	F2		C8	4624	C -39 6105
26	9.4	9.2W	2 41.445	-0.0039	21	-30 18 17.23	0.034	21	0.41	41.510	22	33.3	17.79	21	33.3	F8		C7	4871	C -29 8066
27	9.2	7.7W	2 44.659	0.0008	21	-34 54 26.92	-0.033	21	0.41	44.645	22	33.3	26.36	21	33.3	K5		C7	4872	C -34 6393
28	10.0	8.9W	2 48.954	-0.0048	18	-38 52 29.51	0.023	18	0.32	49.025	15	35.4	29.85	21	35.4	K2		C8	4625	C -38 6153
29	10.1	9.9W	2 50.992	-0.0000	21	-31 58 26.49	-0.004	21	0.41	50.992	22	33.3	26.43	21	33.3	A0	L	C7	4873	C -31 7928
30	10.5		2 54.993	-0.0035	18	-37 2 59.10	-0.058	18	0.32	55.044	15	35.4	58.25	21	35.4	A3	L	C8	4626	C -36 6128
31	9.0	9.0W	2 56.141	-0.0030	21	-31 54 41.39	-0.022	21	0.41	56.192	22	33.3	41.03	21	33.3	A2		C7	4874	C -31 7931
32	7.9	8.1W	2 58.320	-0.0023	13	-36 25 32.82	-0.039	13	0.26	58.353	15	35.4	32.25	21	35.4	A2		C8	4627	C -36 6129
33	10.5	9.7W	3 1.384	-0.0041	13	-35 59 55.08	0.039	13	0.26		15	35.4	55.65	21	35.4	K0	L	C8	4628	C -35 6129
34	9.5	9.1W	3 1.982	-0.0005	21	-30 56 24.51	0.036	21	0.41	1.991	22	33.3	25.11	21	33.3	F5		C7	4875	C -30 8163
35	10.0	8.7W	3 3.985	-0.0011	21	-32 31 21.83	0.007	21	0.41	4.004	22	33.3	21.95	21	33.3	K5		C7	4876	C -32 7037
36	9.7	9.4W	3 4.518	-0.0034	21	-33 38 32.69	0.016	21	0.41	4.574	22	33.3	32.95	21	33.3	F8		C7	4877	C -33 6644
37		6.3T	3 5.232	-0.0012	14	-36 8 25.28	-0.000	11	0.64	5.289	17	02.1	25.27	18	98.6	K0		GC	13870	C -35 6130
38	10.2	9.5W	3 12.528	-0.0001	21	-30 19 30.26	-0.020	21	0.41	12.530	22	33.3	30.59	21	33.3	K0	L	C7	4878	C -29 8076
39		6.6T	3 15.172	-0.0024	10	-34 38 20.39	-0.006	06	0.50	15.304	17	95.9	20.01	15	86.1	K0		GC	13876	C -34 6455
40		6.9T	3 20.680	-0.0070	13	-33 8 55.28	-0.051	11	0.62	21.025	18	00.9	52.65	18	98.2	F0		GC	13879	C*-32 7040
41	10.5	9.7W	3 23.808	-0.0020	21	-31 52 29.86	0.004	21	0.41	23.842	22	33.3	29.93	21	33.3	K0	L	C7	4881	C -31 7936
42	9.4	9.2W	3 23.897	-0.0011	09	-36 22 35.83	0.008	09	0.22	23.913	15	35.4	35.95	21	35.4	F5		C8	4630	C -36 6132
43	11.0	10.1W	3 28.770	-0.0013	21	-32 21 32.06	0.022	21	0.41	28.792	22	33.3	32.43	21	33.3			C7	4882	C -31 7939
44	10.3	9.9W	3 29.419	-0.0045	18	-37 32 59.87	-0.008	18	0.32	29.484	15	35.4	59.75	21	35.4	G5		C8	4631	C -37 6283
45		6.7T	3 30.847	-0.0032	06	-30 38 51.29	-0.023	05	0.26	30.984	09	06.4	50.20	09	03.5	K0		GC	13882K	C -30 8169
46	9.5	8.6W	3 35.114	0.0014	23	-35 43 52.01	-0.066	23	0.38	35.093	15	35.4	51.05	21	35.4	K0		C8	4632	C -35 6134
47	10.0	9.4W	3 35.891	-0.0020	21	-33 56 18.96	-0.006	21	0.41	35.924	22	33.3	18.85	21	33.3	G		C7	4884	C -33 6651
48	10.0	8.6W	3 36.687	-0.0025	06	-35 33 11.90	-0.010	06	0.20	36.723	15	35.4	11.75	21	35.4	K5		C8	4633	C -35 6135
49	10.0	9.0W	3 42.155	-0.0045	21	-30 57 20.85	0.027	21	0.41	42.231	22	33.3	21.31	21	33.3	K5		C7	4885	C -30 8175
50	8.9	8.6W	3 53.050	-0.0004	08	-39 49 41.27	-0.077	08	0.22	53.056	15	35.4	40.15	21	35.4	F5		C8	4635	C -39 6121
51	10.2	9.5W	10 4 2.319	-0.0043	21	-31 25 0.84	0.022	21	0.41	2.391	22	33.3								
52	8.7	7.8W	4 2.461	-0.0026	05	-36 8 29.39	-0.023	05	0.20	2.423	15	35.4	1.21	21	33.3	K0	L	C7	4886	C -31 7949
53	10.2	9.5W	4 5.042	-0.0008	21	-34 46 30.32	-0.003	21	0.41	5.055	22	33.3	29.05	21	35.4	K0		C8	4636	C -35 6144
54		9.3T	4 10.632	-0.0004	16	-31 18 18.02	-0.006	15	0.76	10.648	22	33.3	30.26	21	33.3	K0		C7	4887	C -34 6419
55	10.3	9.0W	4 16.868	-0.0032	23	-36 35 59.11	-0.059	23	0.38	16.914	15	35.4	17.72	22	02.6	K2		GC	13889	C -30 8182
56	10.3	9.1W	4 22.074	0.0020	21	-30 54 43.86	0.003	21	0.41	22.041	22	33.3	58.25	21	35.4	K2	L	C8	4639	C -36 6138
57	7.9	8.3W	4 22.186	-0.0024	21	-34 56 10.04	-0.016	21	0.41	22.225	22	33.3	43.91	21	33.3	K5		C7	4889	C -30 8185
58	10.2	9.7W	4 27.299	-0.0031	23	-36 35 7.53	-0.067	23	0.38	27.344	15	35.4	9.76	21	33.3	B9		C7	4890	C -34 6425
59	10.2	10.2W	4 27.339	-0.0032	18	-38 59 28.36	-0.014	18	0.32	27.385	15	35.4	6.55	21	35.4	K0	L	C8	4641	C -36 6142
60	9.5	9.3W	4 30.390	-0.0067	21	-31 30 59.53	0.018	21	0.41	30.502	22	33.3	28.15	21	35.4	A2		C8	4642	C -38 6189
													59.83	21	33.3	F2		C7	4891	C -31 7956
61	9.6	9.3W	4 32.254	0.0014	13	-38 52 15.39	0.004	13	0.26	32.235	15	35.4	15.45	21	35.4	F0		C8	4643	C -38 6190
62	10.0	9.3W	4 38.265	-0.0010	21	-31 45 47.69	0.014	21	0.41	38.282	22	33.3	47.93	21	33.3	K2		C7	4892	C -31 7959
63	10.1	9.8W	4 38.840	-0.0009	23	-36 0 39.64	0.001	23	0.38	38.853	15	35.4	39.65	21	35.4	G2	L	C8	4644	C -35 6153
64	10.5	9.6W	4 41.020	-0.0037	21	-31 52 37.94	0.047	21	0.41	41.082	22	33.3	38.73	21	33.3	K0	L	C7	4893	C -31 7961
65	10.7	10.2W	4 47.630	-0.0016	18	-35 47 24.71	-0.045	18	0.32	47.653	15	35.4	24.05	21	35.4	G0	L	C8	4645	C -35 6157
66	10.2	10.2W	4 49.341	-0.0037	18	-38 10 32.08	0.005	18	0.32	49.394	15	35.4	32.15	21	35.4	F0		C8	4646	C -37 6298
67	10.7	10.1W	4 53.358	-0.0020	21	-32 7 23.23	-0.024	21	0.41	53.392	22	33.3	22.83	21	33.3	G2	L	C7	4894	C -31 7964
68	9.7	8.6W	4 56.309	-0.0044	09	-36 27 27.92	0.016	09	0.22	56.373	15	35.4	28.15	21	35.4	K2		C8	4649	C -36 6147
69	10.1	8.8W	4 58.269	-0.0030	09	-35 30 17.91	-0.011	09	0.22	58.313	15	35.4	17.75	21	35.4	K0		C8	4650	C -35 6158
70	10.3	9.4W	5 0.645	0.0031	21	-33 1 21.87	-0.007	21	0.41	0.594	22	33.3	21.75	21	33.3	G5	L	C7	4895	C -32 7067
71		9.3R	5 0.904	-0.0002	20	-30 15 8.79	-0.004	20	0.37	0.908	16	33.2	8.73	16	33.2	F5	M	13B	6666	J -29 8098
72	10.0	9.0W	5 1.356	0.0000	21	-34 38 6.01	-0.320	21	0.41	1.355	22	33.3	0.66	21	33.3	K2		C7	4896	C -34 6438
73	10.1	8.4W	5 10.505	-0.0040	13	-36 25 35.29	-0.023	13	0.26	10.563	15	35.4	34.95	21	35.4	K5		C8	4652	C -36 6149
74	9.1	8.5W	5 19.344	-0.0110	07	-37 15 33.13	0.008	07	0.21	19.504	15	35.4	33.25	21	35.4	G5		C8	4653	C -36 6151
75	9.1	8.9W	5 22.957	-0.0004	21	-32 59 59.77	-0.031	21	0.41	22.963	22	33.3	59.25	21	33.3	F0		C7	4897	C -32 7073
76	10.2	9.8W	5 23.733	-0.0037	21	-33 46 39.02	-0.010	21	0.41	23.794	22	33.3	38.85	21	33.3	G2	L	C7	4898	C -33 6674
77	8.9	9.0W	5 26.784	0.0017	21	-34 59 11.92	-0.003	21	0.41	26.755	22	33.3	11.86	21	33.3	A0		C7	4899	C -34 6445
78	8.7	8.7W	5 31.274	-0.0007	13	-37 39 12.69	-0.003	13	0.26	31.284	15	35.4	12.65	21	35.4	A3		C8	4654	C -37 6308
79	8.9	8.9W	5 40.338	-0.0056	21	-32 21 11.02	0.012	21	0.41	40.432	22	33.3	11.23	21	33.3	A5		C7	4900	C -31 7978
80		7.5T	5 47.992	-0.0018	15	-31 48 50.19	0.008	13	0.73	48.081	17	01.5	50.62	18	98.6	A2		GC	13927	C*-31 7980
81		6.4T	5 52.062	-0.0014	14	-37 5 18.60	-0.000	10	0.65	52.132	21	01.1	18.59	19	96.0	K0		GC	13928	C -36 6156
82	10.7		5 52.147	-0.0020	21	-30 25 37.38	-0.107	21	0.41	52.180	22	33.3	35.59	21	33.3			C7	4902	C -30 8204
83	8.4	8.6W	5 58.526	0.0008	13	-36 48 58.34	0.001	13	0.26	58.514	15	35.4	58.35	21	35.4	A0		C8	4657	C -36 6159
84	8.8	9.0W	6 2.037	-0.0033	18	-38 15 31.10	0.025	18	0.31	2.084	15	35.8	31.46	21	35.8	A2		C8	4658	C -37 6312
85	10.7	9.5W	6 5.028	-0.0034	21	-34 11 15.07	-0.043	21	0.41	5.084	22	33.3	14.35	21	33.3	K5		C7	4903	C -33 6688
86	8.7	8.7W	6 6.253	0.0000	13	-37 41 30.89	-0.024	13	0.26	6.244	15	35.8	30.56	21	35.8	A2		C8	4660	C -37 6313
87	9.3	9.3W	6 6.494	0.0000	21	-33 52 33.02	0.002	21	0.41	6.494	22	33.3	33.05	21	33.3	A2		C7	4904	C -33 6690
88	9.5	9.5W	6 9.959	-0.0047	21	-30 27 36.28	0.036	21	0.42	10.040	22	32.8	36.89	21	32.8	F5		C7	4905	C -30 8207
89	9.7	8.8W	6 10.780	-0.0031	13	-37 19 22.18	0.005	13	0.26	10.824	15	35.8	22.26	21	35.8	K0		C8	4662	C -36 6162
90		7.2T	6 11.345	-0.0041	13	-34 46 5.83	0.004	10	0.63	11.549	18	00.7	6.05	18	96.2	A2		GC	13934	C -34 6456
91		9.5R	6 12.503	0.0014	20	-30 29 22.22	-0.007	20	0.37	12.480	16	33.2	22.10	16	33.2	F8	M	13B	6682	J -30 8209
92	10.8	9.9W	6 22.131	-0.0053	21	-31 34 16.05	0.016	21	0.42	22.222	22	32.8	16.32	21	32.8	K0	L	C7	4907	C -31 7995
93		7.9T	6 22.439	-0.0012	12	-30 51 25.69	-0.014	11	0.63	22.497	21	99.0	24.92	19	96.4	G0		GC	13937	C -30 8212
94	11.4		6 30.154	-0.0016	21	-31 48 55.02	-0.052	21	0.42	30.182	22	32.8	54.13	21	32.8			C7	4909	C -31 7992
95	9.4	8.7W	6 38.962	0.0005	21	-32 37 34.72	-0.016	21	0.42	38.954	22	32.8	34.44	21	32.8	K0		C7	4910	C -32 7089
96	9.0	9.3W	6 39.321	-0.0031	13	-37 55 47.37	0.020	13	0.26	39.364	15	35.8	47.66	21	35.8	B9		C8	4663	C -37 6322
97	8.6	8.6W	6 39.922	-0.0051	09	-39 17 51.00	0.025	09	0.22	39.995	15	35.8	51.36	21	35.8	A5		C8	4664	C -38 6227
98	9.9	9.6W	6 43.989	-0.0032	13	-37 2 47.64	0.008	13	0.26	44.034	15	35.8	47.75	21	35.8	G0		C8	4665	C -36 6167
99	8.6	8.7W	6 44.815	-0.0018	21	-34 40 58.95	0.001	21	0.42	44.845	22	32.8	58.96	21	32.8	A0		C7	4911	C -34 6463
00	9.2	9.1W	6 44.966	-0.0005	21	-34 12 41.26	0.017	21	0.42	44.974	22	32.8	41.55	21	32.8	A5		C7	4912	C -33 6695

201100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.4	8.3W	10 6 55.079	-0.0061	21	-32 43 35.54	0.006	21	0.42	55.184	22	32.8	35.64	21	32.8	F2		C7	4913	C -32 7092
2	10.5	9.5W	7 7.186	-0.0009	21	-31 53 25.37	0.003	21	0.42	7.202	22	32.8	25.42	21	32.8	K2	L	C7	4914	C -31 8001
3		9.1R	7 9.024	-0.0006	12	-30 40 58.41	0.001	12	0.26	9.034	16	33.2	58.42	16	33.2	G0	M	13B	6692	J -30 8219
4	8.8	8.0W	7 11.481	-0.0038	13	-39 35 22.40	-0.003	13	0.26	11.536	15	35.8	22.36	21	35.8	K0		C8	4669	C -39 6170
5	8.8	9.0W	7 17.435	-0.0048	13	-36 8 57.77	-0.008	13	0.26	17.503	15	35.8	57.66	21	35.8	A2		C8	4670	C -35 6190
6	9.4	9.5W	7 18.339	-0.0018	18	-37 43 1.75	0.021	18	0.31	18.364	15	35.8	2.06	21	35.8	A2		C8	4671	C -37 6332
7		7.5T	7 18.813	-0.0167	11	-32 36 4.21	0.033	10	0.61	19.689	15	97.6	6.05	18	94.8	F8		GC	13959	C -32 7101
8	10.2	9.3W	7 19.423	-0.0041	21	-33 4 11.80	-0.038	21	0.42	19.494	22	32.8	11.14	21	32.8	K0		C7	4916	C -32 7100
9		6.3T	7 22.304	-0.0360	06	-35 36 39.33	0.002	07	0.29	23.805	09	08.3	39.41	10	07.2	G0		GC	13961	C#-35 6194
10	10.0	9.2W	7 23.238	0.0010	21	-30 41 16.09	0.007	21	0.42	23.221	22	32.8	16.21	21	32.8	K0		C7	4917	C -30 8222
11	8.9	9.2W	7 23.522	-0.0051	23	-37 17 11.57	-0.022	23	0.37	23.594	15	35.8	11.26	21	35.8	B9		C8	4673	C -36 6178
12	10.1	9.0W	7 24.281	-0.0008	13	-35 24 53.38	0.006	13	0.26	24.292	15	35.8	53.76	21	35.8	K2		C8	4674	C -35 6193
13	10.0	9.7W	7 27.252	-0.0093	21	-32 21 32.44	0.313	21	0.42	27.412	22	32.8	37.83	21	32.8	G0	L	C7	4918	C -31 8004
14		7.6T	7 35.813	-0.0012	13	-37 29 9.78	-0.038	12	0.68	35.875	19	99.2	7.70	19	95.4	A0		GC	13967	C -37 6338
15	11.0	9.3W	7 38.608	-0.0032	13	-36 21 0.26	-0.036	13	0.26	38.653	15	35.8	39.76	21	35.8	K2	L	C8	4676	C -35 6196
16	8.4	8.1W	7 40.368	-0.0265	08	-36 30 46.52	0.369	08	0.22	40.744	15	35.8	51.76	21	35.8	G0		C8	4677	C -36 6180
17	10.2	9.1W	7 41.045	-0.0049	18	-38 35 19.39	-0.024	18	0.31	41.115	15	35.8	19.06	21	35.8	K2		C8	4678	C -38 6238
18	10.1	9.2W	7 43.038	-0.0004	13	-36 27 25.58	-0.002	13	0.26	43.043	15	35.8	25.55	21	35.8	K0	L	C8	4679	C -36 6181
19	9.8	8.7W	7 45.824	-0.0017	21	-32 45 44.08	-0.008	21	0.42	45.853	22	32.8	43.95	21	32.8	K5		C7	4919	C -32 7109
20		9.0R	7 47.868	-0.0004	17	-30 6 16.29	-0.017	17	0.32	47.875	16	33.2	16.01	16	33.2	K5	M	13B	6699	J -29 8143
21	10.4	9.1W	7 50.205	-0.0007	13	-38 49 19.01	0.031	13	0.26	50.215	15	35.8	19.46	21	35.8	K0		C8	4680	C -38 6242
22	8.7	7.6W	7 57.432	0.0018	21	-30 39 5.66	-0.003	21	0.42	57.401	22	32.8	5.61	21	32.8	K2		C7	4920	C -30 8230
23	10.9	10.2W	7 59.406	-0.0015	21	-31 57 51.58	-0.003	21	0.42	59.432	22	32.8	51.53	21	32.8	G5	L	C7	4921	C -31 8012
24	8.9	8.7W	8 14.507	0.0060	21	-33 19 14.36	0.005	21	0.42	14.404	22	32.8	14.44	21	32.8	F2		C7	4922	C -32 7116
25	10.9	9.5W	8 21.176	-0.0011	21	-33 54 3.64	0.036	21	0.42	21.194	22	32.8	4.25	21	32.8	K2	L	C7	4923	C -33 6721
26	10.5	9.7W	8 24.020	-0.0036	21	-31 33 1.42	-0.017	21	0.42	24.082	22	32.8	1.13	21	32.8			C7	4924	C -31 8017
27	9.0	8.3W	8 24.693	-0.0051	13	-39 44 11.91	0.024	13	0.26	24.766	15	35.8	12.26	21	35.8	F0		C8	4686	C -39 6181
28	7.9	8.0W	8 27.549	-0.0031	23	-36 20 53.98	-0.009	23	0.37	27.593	15	35.8	53.86	21	35.8	A2		C8	4687	C#-35 6211
29		6.7T	8 32.955	-0.0057	15	-38 39 52.19	-0.007	10	0.68	33.228	22	02.4	51.80	21	96.3	F0		GC	13993	C#-38 6249
30	10.4	10.0W	8 33.820	-0.0036	21	-32 13 54.99	0.002	21	0.42	33.882	22	32.8	55.02	21	32.8	G0	L	C7	4925	C -31 8021
31	9.2	8.5W	8 39.415	0.0023	21	-34 33 40.08	-0.059	21	0.42	39.375	22	32.8	39.06	21	32.8	K0		C7	4926	C -34 6507
32	10.3	8.9W	8 39.758	0.0037	21	-33 44 38.01	0.020	21	0.42	39.694	22	32.8	38.35	21	32.8	K5	L	C7	4927	C -33 6726
33	10.2	9.5W	8 52.042	-0.0035	21	-31 51 9.96	0.021	21	0.42	52.102	22	32.8	10.33	21	32.8	K0		C7	4928	C -31 8024
34	11.6	10.0W	8 53.029	0.0004	21	-32 2 8.23	-0.012	21	0.42	53.022	22	32.8	8.05	21	32.8			C7	4929	C -31 8025
35	10.4	9.7W	8 54.517	-0.0031	21	-30 14 58.70	0.023	21	0.42	54.570	22	32.8	59.09	21	32.8	G5	L	C7	4930	C -29 8156
36	8.6	8.3W	8 56.419	-0.0125	21	-32 30 25.05	0.023	21	0.42	56.634	22	32.8	25.44	21	32.8	G5		C7	4931	C -32 7125
37	10.6	9.2W	8 58.108	-0.0009	21	-32 43 40.06	-0.018	21	0.42	58.123	22	32.8	39.74	21	32.8	K2	L	C7	4932	C -32 7126
38	9.9	10.0W	8 58.729	-0.0019	21	-32 4 17.42	0.012	21	0.42	58.762	22	32.8	17.63	21	32.8	A0	L	C7	4933	C -31 8026
39	10.1	10.0W	8 59.411	-0.0023	21	-30 56 50.17	0.043	21	0.42	59.451	22	32.8	50.91	21	32.8			C7	4934	C -30 8241
40	9.9	9.1W	9 0.824	0.0035	21	-32 56 7.93	-0.005	21	0.42	0.763	22	32.8	7.84	21	32.8	K0		C7	4935	C -32 7129
41	10.4	9.0W	9 1.403	-0.0005	21	-31 47 57.24	-0.024	21	0.42	1.412	22	32.8	56.82	21	32.8	K5		C7	4936	C -31 8028
42	9.8	9.0W	9 2.581	-0.0002	18	-37 37 49.03	0.002	18	0.31	2.584	15	35.8	49.06	21	35.8	G5		C8	4689	C -37 6353
43	10.3	9.3W	9 8.610	-0.0049	21	-33 21 54.48	0.021	21	0.42	8.694	22	32.8	54.84	21	32.8	K2		C7	4937	C -32 7131
44	8.3	8.2W	9 12.019	-0.0004	21	-34 32 35.71	-0.026	21	0.42	12.025	22	32.8	35.26	21	32.8	F0		C7	4938	C -34 6517
45	10.0	8.4W	9 13.074	-0.0024	21	-34 55 37.58	-0.001	21	0.42	13.115	22	32.8	37.56	21	32.8	K5		C7	4939	C -34 6518
46	10.8	9.9W	9 15.448	-0.0011	18	-36 1 4.75	-0.021	18	0.31	15.463	15	35.8	4.46	21	35.8	K0	L	C8	4691	C -35 6216
47	9.0	7.9W	9 20.316	-0.0020	09	-36 33 4.45	-0.021	09	0.22	20.344	15	35.8	4.16	21	35.8	K2		C8	4693	C -36 6197
48	8.3	8.4W	9 20.700	-0.0038	18	-39 9 18.71	-0.011	18	0.31	20.755	15	35.8	18.56	21	35.8	A2		C8	4694	C -38 6260
49	9.2	8.5W	9 22.102	-0.0009	09	-37 19 3.55	-0.035	09	0.22	22.114	15	35.8	3.06	21	35.8	K0		C8	4695	C -36 6199
50	8.7	8.9W	9 23.277	0.0004	21	-31 28 4.40	0.018	21	0.42	23.271	22	32.8	4.71	21	32.8	A2		C7	4940	C -31 8030
51	9.0	9.4W	10 9 25.715	-0.0039	21	-31 56 14.77	0.038	21	0.42	25.782	22	32.8	15.42	21	32.8	B9		C7	4941	C -31 8032
52		6.7T	9 35.648	0.0056	08	-34 5 9.57	-0.041	07	0.33	35.409	10	07.3	7.86	10	08.0	F2		GC	14003	C -33 6736
53	9.3	8.9W	9 39.174	-0.0058	21	-33 27 50.05	-0.047	21	0.42	39.273	22	32.8	49.24	21	32.8	F8		C7	4943	C -33 6737
54	11.3	10.2W	9 39.734	0.0002	21	-30 59 4.17	-0.021	21	0.42	39.731	22	32.8	3.81	21	32.8			C7	4944	C -30 8250
55	10.3	9.3W	9 41.722	-0.0001	23	-35 40 20.64	-0.055	23	0.37	41.723	15	35.8	19.86	21	35.8	K2	L	C8	4696	C -35 6221
56		7.0T	9 41.734	0.0000	08	-35 4 38.05	0.002	08	0.39	41.732	15	06.5	38.13	15	04.0	N0		GC	14008	C -34 6528
57	10.5	9.1W	9 47.431	0.0010	21	-33 12 34.05	0.023	21	0.42	47.414	22	32.8	34.45	21	32.8	K5	L	C7	4946	C -32 7135
58		7.5T	9 48.900	-0.0028	12	-39 44 48.10	-0.007	09	0.62	49.044	21	99.1	47.69	19	93.0	K0		GC	14011	C#-39 6198
59	10.2	9.5W	9 54.056	-0.0014	21	-30 39 50.39	0.065	21	0.42	54.081	22	32.8	51.51	21	32.8	K0		C7	4947	C -30 8252
60	9.5	8.6W	9 55.419	0.0002	21	-34 58 54.18	0.028	21	0.42	55.415	22	32.8	54.66	21	32.8	K2		C7	4948	C -34 6530
61	9.8	8.4W	9 55.599	-0.0019	21	-32 28 59.60	-0.016	21	0.42	55.632	22	32.8	59.33	21	32.8	MA		C7	4949	C -32 7136
62	9.5	8.7W	10 0.435	-0.0021	13	-37 55 4.84	0.015	13	0.26	0.464	15	35.8	5.06	21	35.8	K0		C8	4698	C -37 6363
63	7.9	7.8W	10 1.915	-0.0023	21	-33 39 49.99	0.004	21	0.42	1.954	22	32.8	50.05	21	32.8	F0		C7	4950	C -33 6743
64	8.7	9.0W	10 4.493	-0.0022	13	-37 4 29.42	-0.005	13	0.26	4.524	15	35.8	29.36	21	35.8	B8		C8	4700	C -36 6202
65	8.4	8.4W	10 6.370	-0.0036	21	-32 25 35.00	0.025	21	0.42	6.432	22	32.8	35.43	21	32.8	F0		C7	4951	C -32 7139
66	10.4	10.0W	10 9.720	-0.0018	21	-30 32 23.46	-0.015	21	0.42	9.751	22	32.8	23.21	21	32.8	G0	L	C7	4952	C -30 8256
67		7.4T	10 12.079	-0.0049	16	-32 26 31.49	-0.010	12	0.73	12.317	18	01.7	31.00	18	98.8	K0		GC	14021	C -32 7140
68	10.8		10 12.815	-0.0019	23	-35 22 22.66	-0.036	23	0.37	12.842	15	35.8	22.16	21	35.8	F8	L	C8	4702	C -35 6227
69	9.4	8.5W	10 13.835	-0.0006	21	-34 49 8.15	0.001	21	0.42	13.845	22	32.8	8.16	21	32.8	K0		C7	4954	C -34 6532
70	10.5	9.9W	10 15.039	-0.0054	21	-31 58 3.75	-0.019	21	0.42	15.132	22	32.8	3.42	21	32.8	G5	L	C7	4955	C -31 8046
71	9.3	9.2W	10 17.634	-0.0045	21	-31 39 13.97	-0.020	21	0.42	17.712	22	32.8	13.63	21	32.8	F8		C7	4956	C -31 8047
72	10.3	10.1W	10 23.440	-0.0024	21	-31 55 10.61	0.030	21	0.42	23.482	22	32.8	11.13	21	32.8	A5	L	C7	4957	C -31 8049
73	9.9	8.7W	10 26.251	-0.0002	13	-35 59 1.57	0.013	13	0.26	26.253	15	35.8	1.76	21	35.8	K5		C8	4703	C -35 6231
74	9.7	10.1W	10 31.900	-0.0000	21	-30 48 14.81	-0.006	21	0.42	31.901	22	32.8	14.71	21	32.8	A0		C7	4958	C -30 8263
75	10.0	9.2W	10 32.964	-0.0020	13	-35 10 1.67	-0.022	13	0.26	32.992	15	35.8	1.36	21	35.8	K0	L	C8	4704	C -34 6537
76	10.2	10.0W	10 33.278	-0.0048	21	-31 2 14.08	0.025	21	0.42	33.361	22	32.8	14.51	21	32.8	G0	L	C7	4959	C -30 8264
77	10.5	9.6W	10 35.097	-0.0010	21	-33 9 1.89	-0.026	21	0.42	35.114	22	32.8	1.44	21	32.8	K0	L	C7	4960	C -32 7146
78		7.1T	10 36.138	0.0004	13	-32 16 3.24	0.008	12	0.67	36.120	18	00.0	3.67	18	98.8	K0		GC	14031	C -31 8051
79			10 43.601	-0.0015	15	-35 21 42.39	-0.080	15	0.28	43.622	15	35.8	41.26	21	35.8			C8	4705	C -34 6540
80	10.0	9.6W	10 46.522	-0.0052	21	-31 38 29.09	-0.038	21	0.42	46.612	22	32.8	28.43	21	32.8	G5		C7	4962	C -31 8053
81	9.1	9.4W	10 49.747	-0.0012	18	-37 15 20.14	-0.027	18	0.31	49.764	15	35.8	19.76	21	35.8	B9		C8	4706	C -36 6209
82	9.2	8.5W	10 53.779	0.0011	13	-35 49 23.91	-0.025	13	0.26	53.763	15	35.8	23.56	21	35.8	K0		C8	4707	C -35 6236
83	10.6		10 57.962	-0.0037	18	-38 25 20.75	-0.035	18	0.31	58.014	15	35.8	20.26	21	35.8	F5	L	C8	4709	C -38 6283
84	10.1	9.6W	11 5.220	0.0023	21	-31 11 22.13	-0.048	21	0.42	5.181	22	32.8	21.31	21	32.8	K0		C7	4963	C -30 8267
85	9.0	8.4W	11 11.447	0.0010	21	-30 10 54.67	0.007	21	0.42	11.430	22	32.8	54.79	21	32.8	K0		C7	4964	C -29 8184
86		6.4T	11 12.052	-0.0200	05	-32 47 3.96	0.056	04	0.23	13.272	09	07.8	6.49	09	05.1	G0		GC	14042	C#-32 7158
87	9.2	8.5W	11 14.121	-0.0116	21	-31 17 20.31	0.029	21	0.42	14.321	22	32.8	20.81	21	32.8	K0		C7	4966	C -30 8269
88	8.9	8.9W	11 15.444	-0.0001	13	-39 23 1.04	0.001	13	0.26	15.445	15	35.8	1.05	21	35.8	F0		C8	4713	C -39 6213
89	10.2		11 32.760	-0.0036	13	-37 11 56.37	0.013	13	0.26	32.814	15	35.8	56.56	21	35.8	A3		C8	4714	C -36 6218
90	9.7	9.9W	11 49.127	-0.0048	13	-39 38 47.01	0.003	13	0.26	49.196	15	35.8	47.06	21	35.8	A0		C8	4720	C -39 6226
91	9.1	9.1W	11 51.642	0.0075	13	-39 5 43.12	0.009	13	0.26	51.535	15	35.8	43.26	21	35.8	F2		C8	4721	C -38 6296
92	9.8	9.5W	11 53.505	-0.0039	21	-31 31 20.63	-0.006	21	0.42	53.572	22	32.8	20.52	21	32.8	F8		C7	4967	C -31 8074
93	9.9	9.9W	11 54.900	-0.0010	18	-38 11 1.64	-0.027	18	0.31	54.914	15	35.8	1.26	21	35.8	A0		C8	4722	C -37 6391
94			12 2.151	-0.0037	13	-36 5 7.29	0.026	13	0.26	2.203	15	35.8	7.66	21	35.8			C8	4723	C -35 6247
95	8.8	7.3W	12 3.743	-0.0009	13	-39 5 43.29	-0.031	13	0.26	3.755	15	35.8	42.86	21	35.8	K5		C8	4724	C -38 6303
96		6.6T	12 4.200	0.0001	16	-38 51 16.94	-0.019	13	0.75	4.197	22	02.7	15.96	21	99.0	K0		GC	14065	C#-38 6302
97	11.0	9.8W	12 7.547	-0.0026	09	-36 50 5.30	-0.018	09	0.22	7.584	15	35.8	5.55	21	35.8	K2	L	C8	4726	C -36 6225
98		8.2T	12 7.864	-0.0024	12	-38 37 11.31	-0.016	12	0.66	7.986	22	99.9	10.44	19	96.2	K5		GC	14067	C -38 6305
99	10.9	9.3W	12 10.770	-0.0038	23	-37 54 17.73	0.037	23	0.37	10.824	15	35.8	18.26	21	35.8	MA		C8	4728	C -37 6394
00	9.9	10.0W	12 12.375	-0.0055	13	-35 40 23.51	-0.011	13	0.26	12.453	15	35.8	23.36	21	35.8	A0		C8	4730	C -35 6249

201200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.5	8.4W	10 12 13.137	-0.0015	21	-35 0 22.78	0.004	21	0.42	13.163	22	32.8	22.85	21	32.8	A5	C7	4968	C -34 6556
2	9.7	10.0W	12 22.606	-0.0021	21	-32 10 55.20	-0.010	21	0.42	22.642	22	32.8	55.03	21	32.8	A5	C7	4969	C -31 8084
3	7.5	8.0W	12 26.771	-0.0017	21	-30 34 6.11	0.023	21	0.42	26.801	22	32.8	6.51	21	32.8	A2	C7	4970	C -30 8275
4	9.9	9.8W	12 27.872	-0.0015	13	-36 7 33.96	0.028	13	0.26	27.893	15	35.8	34.36	21	35.8	F0	C8	4732	C -35 6253
5	8.6	8.5W	12 28.591	-0.0044	09	-36 24 1.36	-0.036	09	0.22	28.653	15	35.8	0.86	21	35.8	F0	C8	4733	C -36 6229
6	9.0	8.8W	12 42.443	-0.0025	21	-34 41 44.51	-0.020	21	0.42	42.485	22	32.8	44.16	21	32.8	F0	C7	4971	C -34 6563
7	8.5	8.8W	12 49.916	-0.0016	21	-33 9 0.05	-0.041	21	0.42	49.943	22	32.8	59.34	21	32.8	A0	C7	4972	C -32 7174
8	9.4	9.4W	12 49.925	-0.0017	21	-34 6 44.38	0.022	21	0.42	49.954	22	32.8	44.75	21	32.8	A2	C7	4973	C -33 6787
9	10.4	10.0W	12 54.115	0.0002	21	-32 1 21.10	-0.057	21	0.42	54.112	22	32.8	20.12	21	32.8		C7	4974	C -31 8091
10	10.4	9.9W	13 5.048	-0.0082	18	-37 53 51.90	0.053	18	0.31	5.164	15	35.8	52.66	21	35.8	G0 L	C8	4736	C -37 6409
11		6.2T	13 9.189	-0.0031	14	-36 16 7.57	-0.009	10	0.66	9.341	19	00.8	7.08	19	96.3	K0	GC	14081	C -35 6260
12	10.9	10.1W	13 9.915	-0.0021	21	-31 27 58.77	0.002	21	0.42	9.951	22	32.8	58.81	21	32.8	K0 L	C7	4975	C -31 8095
13	9.5	9.2W	13 18.470	-0.0026	21	-34 0 4.02	0.002	21	0.42	18.514	22	32.8	4.05	21	32.8	F0	C7	4976	C -33 6799
14	9.0	7.8W	13 21.694	0.0008	13	-35 13 49.74	0.015	13	0.26	21.682	15	35.8	49.96	21	35.8	K2	C8	4738	C -34 6574
15	9.7	9.6W	13 22.806	-0.0035	18	-39 13 20.01	-0.011	18	0.31	22.855	15	35.8	19.86	21	35.8	F2	C8	4739	C -38 6321
16	9.2	9.1W	13 26.499	-0.0009	21	-34 15 19.98	0.028	21	0.42	26.514	22	32.8	20.45	21	32.8	F2	C7	4977	C -33 6801
17	9.0	9.0W	13 26.827	-0.0045	21	-33 1 48.63	0.001	21	0.42	26.904	22	32.8	48.65	21	32.8	F8	C7	4978	C*-32 7182
18	9.4	8.1W	13 27.002	0.0001	21	-31 13 54.31	-0.012	21	0.42	27.001	22	32.8	54.11	21	32.8	K5	C7	4979	C -30 8290
19	9.9	9.6W	13 27.468	-0.0013	21	-31 21 16.68	-0.039	21	0.42	27.491	22	32.8	16.01	21	32.8	G5	C7	4980	C -30 8291
20	7.7	7.9W	13 28.044	-0.0004	21	-30 57 6.02	-0.018	21	0.42	28.051	22	32.8	5.71	21	32.8	A0	C7	4981	C -30 8292
21	8.4	8.3W	13 29.120	-0.0074	13	-39 2 31.58	-0.002	13	0.26	29.225	15	35.8	31.56	21	35.8	F0	C8	4740	C -38 6326
22	10.9	9.9W	13 30.722	-0.0042	21	-32 32 23.60	-0.044	21	0.42	30.793	22	32.8	22.84	21	32.8	K0 L	C7	4982	C -32 7183
23	10.5		13 33.476	-0.0020	09	-36 43 58.68	-0.072	09	0.22	33.504	15	35.8	57.66	21	35.8	G8 L	C8	4741	C -36 6246
24	10.2	9.3W	13 35.654	-0.0022	13	-39 21 44.51	-0.018	13	0.26	35.685	15	35.8	44.26	21	35.8	K0	C8	4742	C -39 6248
25	9.3	7.9W	13 35.660	0.0011	21	-31 55 36.20	0.013	21	0.42	35.642	22	32.8	36.43	21	32.8	MA	C7	4983	C -31 8102
26	9.6	9.0W	13 51.081	-0.0024	13	-39 15 22.44	0.001	13	0.26	51.115	15	35.8	22.46	21	35.8	G5	C8	4745	C -38 6333
27	11.2	9.8W	13 53.746	-0.0026	21	-30 45 22.15	0.009	21	0.42	53.791	22	32.8	22.31	21	32.8		C7	4984	C -30 8296
28	9.4	9.2W	14 2.215	-0.0035	21	-34 6 30.68	-0.054	21	0.42	2.274	22	32.8	29.75	21	32.8	A2	C7	4985	C -33 6809
29	8.2	7.4W	14 10.366	-0.0041	05	-36 39 32.43	0.058	05	0.20	10.424	15	35.8	33.26	21	35.8	G5	C8	4747	C -36 6254
30	9.2	9.1W	14 10.799	-0.0015	21	-34 16 40.80	-0.026	21	0.42	10.824	22	32.8	40.35	21	32.8	A3	C7	4986	C -33 6812
31	10.4	9.5W	14 12.980	-0.0006	21	-30 9 47.73	0.004	21	0.42	12.990	22	32.8	47.79	21	32.8	K0 L	C7	4987	C -29 8227
32	10.1	9.5W	14 13.528	-0.0019	21	-31 7 22.34	0.062	21	0.42	13.561	22	32.8	23.41	21	32.8	K0	C7	4988	C -30 8303
33	10.4		14 21.409	-0.0081	18	-38 26 16.15	-0.021	18	0.31	21.524	15	35.8	15.86	21	35.8	F5 L	C8	4748	C -38 6340
34	10.1	9.5W	14 22.337	0.0004	21	-30 39 6.81	0.035	21	0.42	22.331	22	32.8	7.41	21	32.8	K2	C7	4989	C -30 8304
35	8.5	8.7W	14 30.757	-0.0039	21	-32 48 40.42	-0.010	21	0.42	30.823	22	32.8	40.24	21	32.8	A0	C7	4990	C -32 7202
36	9.5	9.3W	14 37.235	-0.0005	13	-35 9 45.05	-0.021	13	0.26	37.242	15	35.8	44.76	21	35.8	A5	C8	4749	C -34 6590
37		7.2T	14 37.977	0.0000	12	-33 52 39.04	-0.009	12	0.65	37.977	18	99.5	38.58	18	97.4	A0	GC	14125	C*-33 6822
38	10.1	9.6W	14 40.583	-0.0078	08	-35 36 14.94	0.008	08	0.22	40.693	15	35.8	15.06	21	35.8	F8	C8	4751	C -35 6281
39	10.6	10.3W	14 41.816	-0.0026	21	-31 17 32.24	-0.002	21	0.42	41.861	22	32.8	32.21	21	32.8	G0 L	C7	4992	C -30 8311
40	8.3	8.3W	14 43.052	-0.0034	21	-30 40 19.30	0.035	21	0.42	43.111	22	32.8	19.91	21	32.8	F5	C7	4993	C -30 8312
41	11.2	9.9W	14 44.196	-0.0019	18	-36 10 21.71	-0.025	18	0.31	44.223	15	35.8	21.36	21	35.8	K0 L	C8	4752	C -35 6283
42	8.8	8.6W	14 47.759	-0.0031	13	-36 19 36.35	-0.056	13	0.26	47.803	15	35.8	35.56	21	35.8	F0	C8	4753	C -35 6285
43	9.8	10.0W	14 53.345	-0.0028	18	-37 24 25.92	0.009	18	0.31	53.384	15	35.8	26.06	21	35.8	A2	C8	4754	C -37 6426
44	9.1	9.1W	14 58.441	-0.0006	21	-32 26 19.68	-0.038	21	0.42	58.452	22	32.8	19.03	21	32.8	A5	C7	4994	C -32 7207
45	9.7	9.6W	14 59.611	-0.0018	21	-31 36 36.77	0.050	21	0.42	59.642	22	32.8	37.63	21	32.8	G0	C7	4995	C -31 8120
46	8.4	8.8W	14 59.882	-0.0030	21	-32 42 22.26	-0.024	21	0.42	59.934	22	32.8	21.84	21	32.8	A2	C7	4996	C -32 7208
47	10.4	10.2W	15 4.104	-0.0028	21	-31 52 13.65	-0.013	21	0.42	4.152	22	32.8	13.43	21	32.8	B8 L	C7	4997	C -31 8121
48	9.2	9.3W	15 5.680	-0.0004	13	-39 5 19.65	-0.014	13	0.26	5.685	15	35.8	19.46	21	35.8	A0	C8	4755	C -38 6353
49	10.6	9.9W	15 7.306	-0.0012	23	-36 5 23.68	0.019	23	0.37	7.323	15	35.8	23.96	21	35.8	K0 L	C8	4756	C -35 6290
50	9.2	8.0W	15 9.758	-0.0004	21	-34 9 53.44	0.007	21	0.42	9.764	22	32.8	53.55	21	32.8	K0	C7	4998	C -33 6833
51	10.6	9.6W	10 15 16.926	-0.0020	21	-30 45 6.69	-0.005	21	0.42	16.961	22	32.8	6.61	21	32.8		C7	4999	C -30 8321
52	10.1	9.0W	15 19.913	-0.0012	21	-33 24 1.11	-0.037	21	0.42	19.934	22	32.8	1.75	21	32.8	K0	C7	5000	C -33 6834
53	9.9	8.6W	15 21.760	-0.0003	13	-37 36 29.98	-0.009	13	0.26	21.764	15	35.8	29.86	21	35.8	K5	C8	4758	C -37 6431
54	9.6	9.3W	15 25.913	0.0010	21	-34 36 51.67	-0.082	21	0.42	25.895	22	32.8	50.26	21	32.8	G5	C7	5001	C -34 6600
55	10.0	9.2W	15 32.757	-0.0026	13	-37 51 10.37	0.034	13	0.26	32.794	15	35.8	10.86	21	35.8	K0	C8	4759	C -37 6435
56	10.1	10.0W	15 34.812	-0.0028	21	-30 37 24.00	0.105	21	0.42	34.861	22	32.8	25.81	21	32.8		C7	5002	C -30 8327
57	9.7	9.3W	15 40.429	-0.0054	21	-31 48 38.61	-0.005	21	0.42	40.522	22	32.8	38.53	21	32.8	G0	C7	5003	C -31 8131
58	9.6	9.2W	15 43.012	-0.0060	21	-34 7 56.41	-0.032	21	0.42	43.114	22	32.8	55.85	21	32.8	G5	C7	5004	C -33 6840
59	10.7	10.0W	15 48.128	-0.0037	21	-31 56 0.83	-0.018	21	0.42	48.192	22	32.8	0.53	21	32.8	G5 L	C7	5005	C -31 8133
60		8.4T	15 57.044	-0.0018	12	-39 59 18.54	-0.008	12	0.65	57.135	17	00.2	18.11	19	98.1	A0	GC	14147K	C*-39 6277
61	10.6	9.3W	15 57.856	-0.0027	13	-37 5 30.96	-0.050	13	0.26	57.894	15	35.8	30.26	21	35.8	K2	C8	4761	C -36 6273
62	9.4	8.3W	16 7.197	0.0016	18	-38 7 16.41	-0.053	18	0.31	7.174	15	35.8	15.66	21	35.8	K2	C8	4763	C -37 6442
63	10.7	10.3W	16 7.777	-0.0032	21	-32 8 41.93	-0.047	21	0.42	7.832	22	32.8	41.13	21	32.8	G2 L	C7	5006	C -31 8141
64	8.1	7.7W	16 21.993	-0.0021	05	-35 30 46.66	-0.134	05	0.20	22.023	15	35.8	44.76	21	35.8	G5	C8	4767	C -35 6304
65	9.2	7.7W	16 22.709	-0.0019	21	-32 17 15.32	0.006	21	0.42	22.742	22	32.8	15.43	21	32.8	K5	C7	5007	C -31 8145
66		6.4T	16 25.703	-0.0040	12	-36 33 13.53	0.004	10	0.61	25.914	19	97.7	13.74	18	94.8	K0	GC	14155	C -36 6281
67		9.2T	16 28.048	-0.0040	20	-31 30 32.60	0.006	17	0.88	28.231	22	04.6	32.90	21	02.4	G5	GC	14157	C -31 8147
68	10.4	8.9W	16 30.423	-0.0022	13	-38 9 27.52	-0.012	13	0.26	30.514	15	35.8	27.36	21	35.8	K5	C8	4770	C -37 6448
69	10.0	9.3W	16 35.426	-0.0020	21	-31 10 6.08	-0.010	21	0.42	35.461	22	32.8	5.91	21	32.8	K2	C7	5009	C -30 8341
70	8.8	8.9W	16 37.925	-0.0005	21	-32 59 41.31	-0.021	21	0.42	37.934	22	32.8	40.94	21	32.8	A5	C7	5010	C -32 7230
71	9.2	9.1W	16 41.489	-0.0055	21	-32 57 48.08	-0.002	21	0.42	41.583	22	32.8	48.05	21	32.8	F8	C7	5011	C -32 7232
72		9.3R	16 42.751	-0.0034	20	-30 1 41.36	0.001	20	0.36	42.808	16	33.2	41.38	16	33.2	A5 M	13B	6810	J -29 8255
73	9.5	8.2W	16 46.517	-0.0061	09	-36 9 15.58	-0.002	09	0.22	46.603	15	35.8	15.56	21	35.8	K5	C8	4772	C -35 6312
74	10.7	10.0W	16 47.176	-0.0013	23	-36 49 31.93	-0.055	23	0.37	47.194	15	35.8	31.16	21	35.8	G5 L	C8	4773	C -36 6282
75		6.9T	16 56.872	-0.0049	10	-34 21 55.50	0.035	10	0.55	57.124	18	98.5	57.38	18	96.6	A0	GC	14168	C*-33 6863
76	11.1	9.8W	16 57.344	-0.0007	11	-36 45 55.31	-0.011	11	0.24	57.354	15	35.8	55.16	21	35.8	K5 L	C8	4775	C -36 6284
77	7.7	8.0W	17 2.353	-0.0029	18	-37 22 51.85	0.007	18	0.31	2.394	15	35.8	51.95	21	35.8	A2	C8	4776	C -37 6455
78	10.1	9.0W	17 2.383	-0.0030	18	-38 58 41.27	-0.022	18	0.31	2.425	15	35.8	40.96	21	35.8	K2	C8	4777	C -38 6383
79	9.9	9.4W	17 3.695	0.0022	13	-37 19 53.66	-0.057	13	0.26	3.664	15	35.8	52.86	21	35.8	G5 L	C8	4778	C -36 6286
80	10.3	9.7W	17 10.873	-0.0022	21	-32 17 45.92	-0.062	21	0.43	10.912	22	32.3	44.82	21	32.3	K	C7	5012	C -31 8159
81	8.8	8.6W	17 13.411	-0.0040	21	-31 38 16.25	-0.007	21	0.43	13.482	22	32.3	16.13	21	32.3	F5	C7	5013	C -31 8160
82		9.1R	17 16.193	0.0022	17	-30 4 18.51	0.009	17	0.32	16.156	16	33.2	18.66	16	33.2	K0 M	13B	6816	J -29 8264
83	8.1	7.5W	17 22.689	-0.0018	21	-30 44 39.50	0.006	21	0.43	22.721	22	32.3	39.61	21	32.3	K0	C7	5014	C -30 8356
84	9.8	9.6W	17 25.730	-0.0034	21	-30 22 41.23	-0.002	21	0.43	25.790	22	32.3	41.19	21	32.3	F8 L	C7	5015	C -30 8357
85	10.5		17 27.050	-0.0082	13	-35 12 35.56	0.036	13	0.26	27.162	15	36.3	36.06	21	36.3	F2 L	C8	4780	C -34 6625
86	9.7	9.1W	17 29.620	-0.0012	21	-32 28 55.88	-0.037	21	0.43	29.642	22	32.3	55.23	21	32.3	K0	C7	5016	C -32 7243
87	10.4	9.2W	17 31.226	-0.0022	21	-34 10 2.41	-0.043	21	0.43	31.264	22	32.3	1.65	21	32.3	K5	C7	5017	C -33 6872
88	8.8	8.0W	17 49.755	-0.0003	21	-31 21 49.86	-0.014	21	0.43	49.761	22	32.3	49.61	21	32.3	K0	C7	5018	C -30 8363
89	11.1	9.5W	17 52.119	-0.0004	13	-37 17 54.93	-0.042	13	0.26	52.124	15	36.3	54.35	21	36.3	K L	C8	4781	C -36 6297
90	9.5	9.1W	17 52.642	-0.0024	21	-34 15 39.73	0.007	21	0.43	52.684	22	32.3	39.85	21	32.3	G5	C7	5019	C -33 6876
91		7.3T	17 55.206	0.0004	09	-39 27 2.71	0.002	09	0.41	55.190	17	07.8	2.79	15	06.3	B9	GC	14190	C -39 6302
92	8.2	7.4W	17 55.835	-0.0020	21	-31 19 52.95	0.009	21	0.43	55.871	22	32.3	53.11	21	32.3	K0	C7	5020	C -30 8366
93		7.6T	17 58.476	-0.0026	12	-32 52 38.10	-0.015	10	0.61	58.608	18	99.8	37.31	18	96.5	A2	GC	14192K	C -32 7252
94	9.1	8.1W	18 8.736	-0.0013	13	-35 57 5.67	-0.023	13	0.26	8.753	15	36.3	5.36	21	36.3	K2	C8	4783	C -35 6332
95	9.7	8.7W	18 13.633	-0.0021	21	-30 15 33.24	0.037	21	0.43	13.670	22	32.3	33.89	21	32.3	K2	C7	5022	C -29 8276
96	10.0	8.5W	18 16.751	-0.0016	13	-35 37 23.58	-0.016	13	0.26	16.773	15	36.3	23.36	21	36.3	K5	C8	4785	C -35 6335
97		6.7T	18 18.351	-0.0130	15	-31 33 44.05	0.040	11	0.69	18.984	19	01.4	46.18	18	97.2	F8	GC	14198	C*-31 8175
98	9.8	9.8W	18 30.228	-0.0027	18	-38 38 6.44	-0.006	18	0.31	30.265	15	36.3	6.36	21	36.3	F0	C8	4787	C -38 6399
99	10.1	8.6W	18 34.056	-0.0016	21	-33 22 42.23	0.018	21	0.43	34.084	22	32.3	42.55	21	32.3	K5	C7	5024	C -32 7260
00	10.7	10.4W	18 36.925	-0.0049	21	-32 15 2.40	0.035	21	0.43	37.012	22	32.3	3.02	21	32.3	G0 L	C7	5025	C -31 8177

201300 — EPOCH 1950 — ORIGINAL EPOCH — -30° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.3	9.2W	10 18 38.106	-0.0025	21	-30 52 5.31	0.017	21	0.43	38.151	22	32.3	5.61	21	32.3	K5	C7	5026	C -30 8378
2	10.2	10.6W	18 41.524	-0.0027	21	-32 4 0.84	-0.046	21	0.43	41.572	22	32.3	0.02	21	32.3	A	C7	5027	C -31 8179
3	11.1		18 49.246	-0.0115	13	-35 54 39.34	-0.006	13	0.26	49.403	15	36.3	39.26	21	36.3	G5 L	C8	4788	C -35 6342
4	9.7	9.6W	18 49.974	-0.0036	13	-38 37 36.22	-0.012	13	0.26	50.024	15	36.3	36.06	21	36.3	F0	C8	4789	C -38 6404
5	8.1	8.5W	19 3.221	-0.0017	13	-36 52 49.69	-0.032	13	0.26	3.244	15	36.3	49.26	21	36.3	A0	C8	4791	C -36 6310
6	10.2	9.4W	19 8.155	0.0001	21	-32 52 37.52	-0.010	21	0.43	8.153	22	32.3	37.34	21	32.3	K2	C7	5028	C -32 7273
7	10.0	9.6W	19 8.229	0.0033	18	-38 7 40.84	-0.072	18	0.31	8.184	15	36.3	39.86	21	36.3	G5	C8	4792	C -37 6478
8	11.2	10.5W	19 9.643	-0.0061	21	-31 28 0.58	0.024	21	0.43	9.791	22	32.3	1.01	21	32.3		C7	5029	C -31 8189
9	9.4	9.0W	19 10.354	-0.0129	21	-35 6 28.70	-0.054	21	0.43	10.582	22	32.3	27.75	21	32.3	G0	C7	5030	C -34 6652
10	9.0	9.0W	19 10.446	-0.0027	13	-36 25 19.55	-0.007	13	0.26	10.483	15	36.3	19.45	21	36.3	A3	C8	4793	C -36 6311
11	8.9	8.8W	19 10.534	-0.0015	13	-37 5 58.63	0.016	13	0.26	10.554	15	36.3	58.86	21	36.3	F2	C8	4794	C -36 6312
12	10.0	9.3W	19 24.138	-0.0019	13	-38 24 43.19	-0.017	13	0.26	24.164	15	36.3	42.96	21	36.3	G5	C8	4796	C -38 6411
13	9.9	9.5W	19 29.570	-0.0047	13	-37 58 25.19	-0.017	13	0.26	29.634	15	36.3	24.96	21	36.3	G5	C8	4797	C -37 6485
14	10.2	9.5W	19 33.050	-0.0006	21	-30 31 5.42	0.016	21	0.43	33.041	22	32.3	5.71	21	32.3	G5 L	C7	5031	C -30 8390
15	10.6	9.6W	19 33.790	-0.0019	21	-33 8 33.68	-0.050	21	0.43	33.823	22	32.3	33.14	21	32.3		C7	5032	C -32 7281
16	9.1	8.9W	19 40.295	-0.0009	21	-30 25 53.16	0.053	21	0.43	40.310	22	32.3	54.09	21	32.3	F8	C7	5033	C -30 8391
17	10.6	10.1W	19 41.228	-0.0011	13	-35 42 31.38	-0.024	13	0.26	41.243	15	36.3	31.06	21	36.3	G2 L	C8	4799	C -35 6352
18	8.4	8.3W	19 47.179	-0.0025	10	-35 58 15.71	-0.004	10	0.23	47.213	15	36.3	15.66	21	36.3	F0	C8	4800	C -35 6353
19	10.8	9.9W	19 48.956	-0.0122	21	-32 18 16.01	-0.050	21	0.43	49.172	22	32.3	15.13	21	32.3	K0 L	C7	5034	C -31 8201
20	10.0		19 52.058	-0.0012	18	-38 52 54.76	-0.015	18	0.31	52.075	15	36.3	54.56	21	36.3	A2	C8	4801	C -38 6419
21	10.8	9.2W	19 52.118	0.0003	13	-37 55 32.58	0.020	13	0.26	52.114	15	36.3	32.86	21	36.3	M8	C8	4802	C -37 6493
22	9.9	9.5W	19 54.193	-0.0047	21	-34 55 34.65	0.001	21	0.43	54.275	22	32.3	34.66	21	32.3	G	C7	5035	C -34 6662
23	8.7	7.8W	19 55.454	0.0006	08	-39 42 11.86	-0.015	08	0.21	55.445	15	36.3	11.66	21	36.3	G5	C8	4803	C -39 6329
24	8.9	8.9W	19 55.708	-0.0013	21	-31 15 50.85	0.037	21	0.43	55.731	22	32.3	51.51	21	32.3	F0	C7	5036	C -30 8394
25	8.9	8.8W	20 1.682	-0.0017	21	-32 9 46.74	-0.035	21	0.43	1.712	22	32.3	46.13	21	32.3	F5	C7	5037	C -31 8206
26	10.0	9.9W	20 7.756	-0.0003	21	-32 6 10.69	-0.043	21	0.43	7.762	22	32.3	9.93	21	32.3	F5 L	C7	5038	C -31 8207
27	10.9	9.9W	20 9.715	0.0014	21	-30 46 4.14	-0.002	21	0.43	9.691	22	32.3	4.11	21	32.3		C7	5039	C -30 8398
28		9.5R	20 16.254	-0.0016	17	-30 23 39.76	-0.018	17	0.32	16.281	16	33.2	39.46	16	33.2		13B	6849	J -30 8401
29	9.0	8.2W	20 16.798	-0.0052	21	-30 24 14.15	-0.026	21	0.43	16.890	22	32.3	13.69	21	32.3	K0	C7	5040	C -30 8402
30	10.1	9.1W	20 19.755	-0.0021	21	-32 7 20.59	0.008	21	0.43	19.792	22	32.3	20.73	21	32.3	K2	C7	5041	C -31 8210
31	10.6	9.8W	20 21.363	-0.0027	21	-30 22 41.32	0.004	21	0.43	21.410	22	32.3	41.39	21	32.3		C7	5042	C -30 8403
32	10.5	9.4W	20 26.799	-0.0026	18	-37 29 49.08	-0.009	18	0.31	26.834	15	36.3	48.96	21	36.3	K0	C8	4806	C -37 6500
33	9.4	9.3W	20 33.026	-0.0038	21	-33 21 47.68	-0.019	21	0.43	33.093	22	32.3	47.34	21	32.3	A5	C7	5043	C -32 7296
34	10.0	10.1W	20 34.573	-0.0030	11	-36 50 23.41	-0.026	11	0.24	34.614	15	36.3	23.06	21	36.3	A5 L	C8	4808	C -36 6327
35	9.6	10.0W	20 35.578	-0.0049	21	-34 27 9.04	0.012	21	0.43	35.664	22	32.3	9.25	21	32.3	A0	C7	5044	C -34 6667
36	10.2	8.5W	20 37.501	-0.0016	13	-36 10 24.07	-0.045	13	0.26	37.523	15	36.3	23.46	21	36.3	K5	C8	4809	C -35 6371
37	10.7		20 42.069	-0.0039	23	-35 29 36.03	-0.108	23	0.37	42.122	15	36.3	34.56	21	36.3	G5 L	C8	4810	C -35 6374
38	10.0	10.0W	20 44.100	-0.0062	23	-37 5 18.07	-0.023	23	0.37	44.184	15	36.3	17.76	21	36.3	F0 L	C8	4811	C -36 6330
39	9.5	9.3W	20 46.617	0.0035	21	-33 53 13.37	-0.001	21	0.43	46.554	22	32.3	13.35	21	32.3	F0	C7	5045	C -33 6917
40	9.4	8.3W	20 51.210	-0.0018	21	-32 18 13.50	-0.010	21	0.43	51.242	22	32.3	13.33	21	32.3	K2	C7	5046	C -31 8213
41	10.6	9.9W	20 53.417	-0.0021	21	-32 30 52.48	-0.030	21	0.43	53.453	22	32.3	51.94	21	32.3		C7	5047	C -32 7300
42	10.1	9.4W	20 54.900	-0.0023	21	-30 51 3.68	0.030	21	0.43	54.941	22	32.3	4.21	21	32.3		C7	5048	C -30 8408
43	10.4	9.5W	21 8.072	-0.0037	09	-36 3 32.78	-0.009	09	0.22	8.123	15	36.3	32.66	21	36.3	G5 L	C8	4812	C -35 6377
44	10.2	9.3W	21 8.527	-0.0015	21	-33 26 54.55	0.034	21	0.43	8.554	22	32.3	55.14	21	32.3		C7	5049	C -33 6920
45	9.4	8.3W	21 13.373	0.0029	05	-36 7 52.75	-0.044	05	0.19	13.333	15	36.3	52.16	21	36.3	K2	C8	4813	C -35 6378
46		5.4H	21 17.698	-0.0137	04	-37 45 19.89	-0.059	03	0.14	18.225	06	11.6	17.63	05	11.6	A3	F4	1269	C -37 6509
47	7.8	8.0W	21 17.865	-0.0020	21	-30 40 21.68	-0.021	21	0.43	17.901	22	32.3	21.31	21	32.3	A2	C7	5050	C -30 8411
48	9.5	9.2W	21 18.543	-0.0006	21	-33 28 4.14	-0.090	21	0.43	18.554	22	32.3	2.55	21	32.3	F8	C7	5051	C -33 6921
49	9.4	9.5W	21 19.941	-0.0038	23	-36 22 58.77	-0.082	23	0.37	19.993	15	36.3	57.66	21	36.3	A2	C8	4815	C -35 6381
50	10.0	9.9W	21 23.082	-0.0001	21	-32 59 15.02	-0.004	21	0.43	23.083	22	32.3	14.94	21	32.3	A0	C7	5052	C -32 7310
51	9.4	9.2W	10 21 24.305	-0.0074	21	-34 41 34.21	0.037	21	0.43	24.435	22	32.3	34.86	21	32.3	F0	C7	5053	C -34 6675
52	8.6	8.6W	21 25.319	-0.0020	21	-34 1 0.10	-0.025	21	0.43	25.354	22	32.3	59.65	21	32.3	A2	C7	5054	C -33 6925
53		8.1R	21 31.273	-0.0015	20	-30 1 46.12	-0.026	20	0.36	31.299	16	33.2	45.69	16	33.2	K0 J	13B	6864	J -29 8314
54	9.3	8.4W	21 32.558	-0.0041	21	-31 18 11.34	0.015	21	0.43	32.631	22	32.3	11.61	21	32.3	K0	C7	5055	C -30 8414
55	9.5	8.7W	21 44.389	0.0022	21	-31 16 31.98	-0.004	21	0.43	44.351	22	32.3	31.91	21	32.3	K2	C7	5056	C -30 8417
56	9.9	9.7W	21 45.898	-0.0012	23	-37 3 12.54	-0.050	23	0.37	45.914	15	36.3	11.85	21	36.3	G5	C8	4816	C -36 6342
57	10.4		21 48.315	-0.0067	23	-37 4 36.10	-0.033	23	0.37	48.434	15	36.3	35.66	21	36.3	F5 L	C8	4817	C -36 6343
58	10.3	9.5W	21 52.092	-0.0058	21	-33 51 43.37	0.044	21	0.43	52.194	22	32.3	44.15	21	32.3		C7	5057	C -33 6931
59	8.5	8.4W	22 3.588	-0.0018	05	-35 23 36.50	-0.011	05	0.19	3.612	15	36.3	36.36	21	36.3	F0	C8	4818	C -35 6392
60	10.6	9.6W	22 8.234	-0.0026	21	-30 20 39.02	0.010	21	0.43	8.280	22	32.3	39.19	21	32.3		C7	5058	C -29 8321
61	10.5	9.5W	22 12.424	-0.0058	23	-36 12 33.01	-0.026	23	0.37	12.503	15	36.3	32.66	21	36.3	K1 L	C8	4819	C -35 6396
62	7.8	7.7W	22 13.133	-0.0045	18	-38 19 35.88	-0.053	18	0.31	13.194	15	36.3	35.16	21	36.3	F0	C8	4820	C -37 6523
63	9.0	7.6W	22 23.440	-0.0053	21	-33 14 4.82	0.047	21	0.43	23.533	22	32.3	5.64	21	32.3	K5	C7	5059	C -32 7321
64	9.6	9.4W	22 25.397	-0.0004	13	-35 22 15.84	0.001	13	0.26	25.402	15	36.3	15.86	21	36.3	A3	C8	4822	C -34 6686
65	10.8	9.4W	22 27.661	-0.0031	13	-36 5 22.07	-0.001	13	0.26	27.703	15	36.3	22.06	21	36.3	K2 L	C8	4823	C -35 6401
66	9.2	9.4W	22 27.887	-0.0025	21	-30 35 34.76	0.014	21	0.43	27.931	22	32.3	35.01	21	32.3	A2	C7	5060	C -30 8432
67	10.6	9.2W	22 35.330	-0.0098	13	-36 30 39.86	-0.030	13	0.26	35.464	15	36.3	39.46	21	36.3	K5 L	C8	4824	C -36 6354
68		10.0G	22 43.411	-0.0066	20	-38 2 37.27	-0.021	20	0.99	43.733	31	01.4	36.27	29	02.7		GC	14306	
69		6.8T	22 44.650	-0.0014	12	-38 2 56.45	-0.018	11	0.63	44.722	18	99.6	55.47	19	95.9	A0	GC	14309	C -37 6528
70	9.6	8.7W	22 46.614	-0.0009	13	-39 59 37.08	-0.053	13	0.26	46.625	15	36.3	36.36	21	36.3	K0	C8	4827	C -39 6364
71	10.1	9.9W	22 53.605	-0.0057	13	-35 42 53.80	-0.062	13	0.26	53.683	15	36.3	52.96	21	36.3	F2 L	C8	4828	C -35 6403
72	10.4	9.6W	22 54.082	-0.0016	21	-31 21 14.60	-0.005	21	0.43	54.111	22	32.3	14.51	21	32.3		C7	5061	C -30 8438
73	9.8	9.5W	23 7.602	-0.0016	13	-37 0 29.80	-0.040	13	0.26	7.624	15	36.3	29.26	21	36.3	A2	C8	4829	C -36 6365
74	10.2	9.5W	23 9.153	-0.0035	21	-34 29 21.00	0.003	21	0.43	9.214	22	32.3	21.05	21	32.3	K0	C7	5062	C -34 6693
75	9.9	9.3W	23 9.546	-0.0122	05	-36 25 50.23	0.016	05	0.19	9.713	15	36.3	50.46	21	36.3	G0 L	C8	4830	C -36 6366
76	9.9	8.7W	23 10.434	-0.0037	18	-38 25 10.88	-0.024	18	0.31	10.484	15	36.3	10.56	21	36.3	K0	C8	4831	C -38 6456
77	9.9	9.8W	23 11.046	-0.0054	21	-31 54 23.85	0.027	21	0.43	11.142	22	32.3	24.33	21	32.3		C7	5063	C -31 8238
78	9.9	9.8W	23 12.117	0.0003	21	-31 53 45.98	-0.071	21	0.43	12.112	22	32.3	44.73	21	32.3		C7	5064	C -31 8239
79	10.0	9.6W	23 15.210	-0.0048	21	-33 32 36.91	-0.009	21	0.43	15.294	22	32.3	36.75	21	32.3	G2 L	C7	5065	C -33 6947
80	9.2	9.1W	23 16.730	-0.0032	13	-38 25 5.64	0.008	13	0.26	16.774	15	36.3	5.76	21	36.3	F0	C8	4832	C -38 6458
81	10.0	9.3W	23 18.840	-0.0034	21	-30 25 10.72	0.044	21	0.43	18.900	22	32.3	11.49	21	32.3	K0	C7	5066	C -30 8440
82	10.4	9.6W	23 18.906	-0.0014	21	-31 1 33.74	0.004	21	0.43	18.931	22	32.3	33.81	21	32.3		C7	5067	C -30 8441
83	10.5	9.7W	23 22.379	-0.0083	13	-35 19 4.43	-0.042	13	0.26	22.492	15	36.3	3.86	21	36.3	K0 L	C8	4833	C -34 6698
84	8.5	8.7W	23 24.040	-0.0014	21	-33 30 30.03	0.041	21	0.43	24.064	22	32.3	30.75	21	32.3	A2	C7	5068	C -33 6951
85	10.2	9.9W	23 26.344	0.0018	21	-32 23 40.13	-0.023	21	0.43	26.312	22	32.3	39.72	21	32.3	F8 L	C7	5069	C -32 7335
86	10.2	9.3W	23 28.041	-0.0017	21	-32 14 2.22	0.006	21	0.43	28.072	22	32.3	2.32	21	32.3		C7	5070	C -31 8244
87	10.6	9.7W	23 45.792	-0.0058	21	-34 24 17.00	0.014	21	0.43	45.894	22	32.3	17.25	21	32.3	K0 L	C7	5071	C -34 6704
88	10.3		23 59.484	-0.0029	18	-35 32 53.88	-0.009	18	0.31	59.523	15	36.3	53.76	21	36.3	A2 L	C8	4834	C -35 6421
89	10.4	10.4W	24 3.125	-0.0020	21	-30 38 42.68	0.047	21	0.43	3.161	22	32.3	43.51	21	32.3		C7	5072	C -30 8450
90	8.6	8.9W	24 3.238	-0.0035	21	-30 22 30.24	0.071	21	0.43	3.300	22	32.3	31.49	21	32.3	A0	C7	5073	C -30 8449
91		6.9T	24 13.851	-0.0031	12	-39 6 24.70	-0.002	09	0.59	14.003	21	01.3	24.58	19	96.8	K0	GC	14337	C -38 6472
92	8.6	8.4W	24 19.286	0.0008	21	-32 0 20.90	-0.095	21	0.43	19.272	22	32.3	19.22	21	32.3	F8	C7	5074	C -31 8259
93	9.9	8.5W	24 19.319	-0.0043	21	-34 26 43.92	0.036	21	0.43	19.394	22	32.3	44.55	21	32.3	M8	C7	5075	C -34 6713
94	9.1	9.2W	24 20.994	0.0005	21	-34 19 12.17	0.005	21	0.43	20.984	22	32.3	12.25	21	32.3	A0	C7	5076	C -33 6967
95		8.2T	24 23.995	-0.0036	18	-33 25 40.81	-0.012	14	0.81	24.166	19	02.8	40.23	19	00.6	F5	GC	14342	C -33 6969
96	8.5	8.2W	24 29.578	0.0003	18	-37 51 25.47	0.006	18	0.31	29.574	15	36.3	25.56	21	36.3	F8	C8	4836	C -37 6542
97	8.8	8.9W	24 31.152	-0.0034	21	-31 43 47.12	0.017	21	0.43	31.212	22	32.3	47.42	21	32.3	A0	C7	5078	C -31 8260
98	10.2	9.0W	24 32.112	0.0017	21	-32 14 35.51	-0.016	21	0.43	32.082	22	32.3	35.23	21	32.3		C7	5079	C -31 8261
99	10.3	9.4W	24 35.303	0.0007	21	-31 5 43.68	0.024	21	0.43	35.291	22	32.3	44.11	21	32.3		C7	5080	C -30 8460
00	10.5	9.4W	24 36.515	-0.0038	21	-35 1 15.04	-0.028	21	0.43	36.582	22	32.3	14.55	21	32.3		C7	5081	C -34 6716

201400

EPOCH 1950 — ORIGINAL EPOCH — -30° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.2	9.9W	10 24 37.718	-0.0215	23	-35 24 26.44	0.001	23	0.37	38.012	15	36.3	26.46	21	36.3	F8	L	C8	4838	C -35 6431
2	9.7	9.0W	24 39.996	0.0001	21	-33 46 22.80	0.003	21	0.43	39.994	22	32.3	22.85	21	32.3	G5		C7	5082	C -33 6971
3	10.9	10.7W	24 40.906	-0.0025	21	-31 26 30.55	-0.008	21	0.43	40.951	22	32.3	30.41	21	32.3			C7	5083	C -31 8263
4	10.7	10.0W	24 41.537	-0.0012	23	-36 10 54.62	-0.093	23	0.37	41.553	15	36.3	53.36	21	36.3	K0	L	C8	4839	C*-35 6432
5		4.4H	24 51.646	-0.0059	02	-30 48 45.30	0.009	02	0.08	51.877	04	10.6	45.63	04	12.8	K5		F4	392	C -30 8465
6	9.5	7.8W	24 56.490	-0.0018	07	-36 57 28.45	0.000	07	0.21	56.514	15	36.3	28.46	21	36.3	M8		C8	4840	C -36 6399
7		9.3R	25 3.030	0.0026	20	-30 4 15.69	-0.003	20	0.36	2.987	16	33.2	15.64	16	33.2	F5	M	13B	6902	J -29 8348
8	10.3	9.1W	25 7.771	-0.0038	07	-35 59 27.48	-0.024	07	0.21	7.823	15	36.3	27.16	21	36.3	G8	L	C8	4841	C -35 6438
9	10.5	9.5W	25 11.447	-0.0094	21	-35 3 51.43	0.029	21	0.43	11.612	22	32.3	51.95	21	32.3	K0	L	C7	5085	C -34 6721
10	11.4		25 12.728	-0.0007	21	-30 17 15.83	0.009	21	0.43	12.740	22	32.3	15.99	21	32.3			C7	5086	C -29 8351
11	10.6	9.5W	25 17.193	-0.0058	21	-34 31 35.43	0.047	21	0.43	17.295	22	32.3	36.26	21	32.3			C7	5087	C -34 6725
12	9.7	9.7W	25 21.780	-0.0023	21	-31 19 35.72	-0.012	21	0.43	21.821	22	32.3	35.51	21	32.3			C7	5088	C -30 8473
13	10.8	9.4W	25 23.170	-0.0046	23	-35 34 31.13	-0.006	23	0.37	23.233	15	36.3	31.05	21	36.3	K0	L	C8	4842	C -35 6440
14		7.6T	25 32.486	-0.0106	16	-34 8 35.69	-0.044	16	0.83	32.994	18	02.1	33.65	19	03.4	G0		GC	14374	C*-33 6982
15	7.7	7.5W	25 35.216	-0.0057	13	-38 26 51.85	-0.036	13	0.26	35.294	15	36.3	51.36	21	36.3	F8		C8	4843	C*-38 6490
16	10.9	9.5W	25 38.359	-0.0003	13	-36 4 29.64	-0.021	13	0.26	38.363	15	36.3	29.36	21	36.3	K0	L	C8	4844	C -35 6444
17	10.9	10.4W	25 38.486	-0.0025	21	-30 59 36.54	0.015	21	0.43	38.531	22	32.3	36.81	21	32.3			C7	5090	C -30 8475
18	10.2	9.7W	25 39.102	-0.0002	08	-36 42 0.84	-0.079	08	0.21	39.104	15	36.3	59.76	21	36.3	G2	L	C8	4845	C -36 6410
19	9.5	9.5W	25 40.886	-0.0038	21	-35 8 3.37	0.010	21	0.43	40.953	22	32.3	3.55	21	32.3	A3	L	C7	5091	C -34 6729
20	8.8	8.7W	25 42.396	-0.0033	21	-33 48 46.87	-0.052	21	0.43	42.454	22	32.3	45.95	21	32.3	F0		C7	5092	C -33 6986
21	9.9	10.0W	25 43.291	-0.0032	18	-37 20 0.24	-0.006	18	0.31	43.334	15	36.3	0.16	21	36.3	A2	L	C8	4846	C -36 6412
22	7.7	7.4W	26 0.033	-0.0015	13	-35 57 49.99	-0.025	13	0.26	0.053	15	36.3	49.66	21	36.3	F2	L	C8	4847	C -35 6447
23	10.2	9.7W	26 0.843	0.0047	21	-30 26 36.61	0.050	21	0.43	0.760	22	32.3	37.49	21	32.3	K0	L	C7	5093	C -30 8481
24	9.2	9.3W	26 6.765	-0.0068	21	-34 2 14.85	-0.090	21	0.43	6.884	22	32.3	13.25	21	32.3	A0		C7	5094	C -33 6992
25	10.5	9.4W	26 12.118	-0.0044	21	-34 44 54.31	0.003	21	0.43	12.195	22	32.3	54.36	21	32.3	K0	L	C7	5095	C -34 6740
26	9.6	8.4W	26 18.608	-0.0009	21	-33 24 59.22	-0.004	21	0.43	18.624	22	32.3	59.14	21	32.3	K5		C7	5096	C -33 6995
27	11.0	10.2W	26 26.037	-0.0002	21	-31 21 50.10	0.023	21	0.43	26.041	22	32.3	50.51	21	32.3			C7	5097	C -30 8487
28	11.4		26 27.263	-0.0087	23	-35 21 53.29	-0.025	23	0.37	27.382	15	36.3	52.96	21	36.3	G5	L	C8	4848	C -34 6743
29	8.8	7.8W	26 27.444	-0.0067	08	-38 38 10.45	0.015	08	0.21	27.535	15	36.3	10.66	21	36.3	K2		C8	4849	C -38 6501
30	10.4	9.5W	26 37.453	-0.0044	09	-36 20 57.59	-0.039	09	0.22	37.513	15	36.3	57.06	21	36.3	K0	L	C8	4851	C -35 6454
31	9.3	9.1W	26 40.506	-0.0051	13	-39 59 44.22	-0.005	13	0.26	40.575	15	36.3	44.16	21	36.3	F0		C8	4852	C -39 6415
32	10.1	8.8W	26 44.164	-0.0034	21	-34 4 56.15	-0.017	21	0.43	44.224	22	32.3	55.85	21	32.3	K0	L	C7	5099	C -33 7003
33	9.4	9.2W	26 44.188	-0.0019	21	-32 2 3.91	-0.016	21	0.43	44.222	22	32.3	3.62	21	32.3	F5		C7	5098	C -31 8287
34	8.3	8.1W	26 51.309	-0.0033	13	-36 38 57.47	-0.001	13	0.26	51.354	15	36.3	57.46	21	36.3	F2		C8	4854	C -36 6423
35		7.2T	26 53.527	0.0004	12	-37 48 10.45	-0.022	09	0.57	53.509	19	01.1	9.27	19	96.7	G5		GC	14400	C -37 6577
36	10.5	9.7W	26 57.293	-0.0052	21	-34 22 17.67	-0.131	21	0.43	57.384	22	32.3	15.35	21	32.3	G5	L	C7	5100	C -34 6753
37	8.7	8.6W	27 1.426	0.0043	21	-30 16 59.34	0.020	21	0.43	1.350	22	32.3	59.69	21	32.3	F5		C7	5101	C -29 8380
38	8.6	8.7W	27 3.290	-0.0002	09	-36 23 40.32	-0.012	09	0.22	3.293	15	36.3	40.16	21	36.3	A5		C8	4856	C -36 6426
39	9.5	8.5W	27 3.593	-0.0024	21	-34 45 57.58	0.005	21	0.43	3.635	22	32.3	57.66	21	32.3	K2		C7	5102	C -34 6755
40		7.8T	27 12.436	-0.0033	13	-33 9 8.01	-0.023	10	0.59	12.594	18	02.6	6.89	18	00.6	A2		GC	14418	C -32 7389
41	8.5	7.4W	27 16.876	-0.0038	21	-32 41 6.16	-0.029	21	0.43	16.943	22	32.3	5.64	21	32.3	K2		C7	5104	C -32 7391
42		5.6T	27 17.057	-0.0028	05	-30 21 2.35	-0.004	04	0.23	17.180	09	05.5	2.16	09	00.9	B9		GC	144215K	C*-29 8383
43	10.5	9.1W	27 20.390	0.0041	23	-37 14 37.40	-0.047	23	0.37	20.334	15	36.3	36.76	21	36.3	K5	L	C8	4857	C -36 6430
44	10.9	10.0W	27 21.389	0.0019	23	-36 11 10.22	-0.049	23	0.37	21.363	15	36.3	9.56	21	36.3	K1	L	C8	4858	C -35 6465
45	9.9	8.8W	27 25.800	-0.0033	18	-38 46 56.66	0.007	18	0.31	25.845	15	36.3	56.76	21	36.3	K2		C8	4859	C -38 6511
46	9.9	9.8W	27 30.870	-0.0047	08	-36 38 12.88	-0.002	08	0.21	30.934	15	36.3	12.86	21	36.3	F5	L	C8	4861	C*-36 6432
47	10.3		27 33.072	-0.0052	11	-36 2 42.53	0.002	11	0.24	33.143	15	36.3	42.56	21	36.3	F2	L	C8	4863	C -35 6466
48	9.6	9.5W	27 35.418	-0.0041	21	-30 14 48.18	0.063	21	0.43	35.490	22	32.3	49.29	21	32.3	F8	L	C7	5106	C -29 8386
49	9.5	9.4W	27 35.641	-0.0008	21	-34 18 16.48	0.004	21	0.43	35.654	22	32.3	16.55	21	32.3	F		C7	5107	C -33 7018
50	10.5		27 36.638	-0.0026	23	-36 0 51.08	-0.075	23	0.37	36.673	15	36.3	50.06	21	36.3	F5		C8	4864	C -35 6467
51	10.0	9.3W	10 27 38.333	0.0022	21	-33 4 21.01	-0.111	21	0.43	38.294	22	32.3	19.05	21	32.3	K0	L	C7	5108	C -32 7401
52	9.8	9.5W	27 43.768	-0.0081	21	-32 15 39.29	-0.015	21	0.43	43.912	22	32.3	39.03	21	32.3	G0	L	C7	5109	C -31 8296
53	9.6	8.9W	27 48.648	-0.0053	21	-31 57 4.20	-0.038	21	0.43	48.742	22	32.3	3.53	21	32.3	K2		C7	5110	C -31 8298
54	8.3	8.6W	27 56.605	-0.0006	09	-36 26 4.26	-0.015	09	0.22	56.613	15	36.3	4.06	21	36.3	A0		C8	4866	C -36 6438
55	9.2	7.9W	27 56.611	-0.0012	21	-32 27 20.25	-0.052	21	0.43	56.632	22	32.3	19.33	21	32.3	K5		C7	5111	C -32 7404
56	8.1	7.5W	28 17.963	-0.0009	13	-38 48 25.11	-0.018	13	0.26	17.975	15	35.8	24.86	21	35.8	G5		C8	4867	C -38 6521
57	9.8	8.3W	28 20.036	0.0008	18	-38 11 29.61	-0.011	18	0.31	20.024	15	35.8	29.46	21	35.8	K5	L	C8	4868	C -37 6592
58	9.8	8.7W	28 36.451	-0.0037	13	-36 0 14.90	-0.003	13	0.26	36.503	15	35.8	14.86	21	35.8	K2		C8	4869	C -35 6481
59	10.2	9.6W	28 36.944	-0.0029	21	-32 45 1.31	-0.004	21	0.42	36.994	22	32.8	1.24	21	32.8	G5	L	C7	5112	C -32 7415
60	9.5	9.1W	28 37.188	0.0024	09	-36 31 40.76	-0.092	09	0.22	37.154	15	35.8	39.46	21	35.8	G5		C8	4870	C -36 6446
61	10.3	8.9W	28 42.219	-0.0033	21	-34 47 25.46	0.012	21	0.42	42.275	22	32.8	25.66	21	32.8	K5	L	C7	5113	C -34 6773
62	9.7	9.7W	28 43.289	-0.0030	21	-31 13 16.02	-0.046	21	0.42	43.341	22	32.8	16.81	21	32.8			C7	5114	C -30 8507
63	9.9	9.8W	28 48.332	-0.0037	23	-36 42 45.80	-0.017	23	0.37	48.384	15	35.8	45.56	21	35.8	A		C8	4871	C -36 6448
64	9.0	9.2W	28 54.980	-0.0038	21	-34 38 40.50	-0.060	21	0.42	55.045	22	32.8	39.46	21	32.8	A0		C7	5115	C -34 6777
65	8.3	8.3W	28 55.223	-0.0001	18	-39 4 58.08	0.005	18	0.31	55.225	15	35.8	58.16	21	35.8	F0		C8	4872	C -38 6526
66			28 56.414	0.0042	30	-37 11 22.82	-0.033	30	0.46	56.354	15	35.8	22.36	21	35.8			C8	4874	C -36 6451
67	9.7	8.5W	28 58.036	-0.0026	13	-35 57 58.34	-0.034	13	0.26	58.073	15	35.8	57.86	21	35.8	K2		C8	4875	C -35 6488
68	8.6	8.9W	28 58.437	-0.0012	10	-38 51 52.92	-0.005	10	0.23	58.455	15	35.8	52.66	21	35.8	A0		C8	4876	C -38 6528
69	10.2	9.0W	29 3.733	-0.0031	21	-34 33 12.53	0.002	21	0.42	3.785	22	32.8	12.56	21	32.8	K0	L	C7	5116	C -34 6781
70	10.4	9.6W	29 12.109	-0.0020	21	-33 18 38.00	-0.015	21	0.42	12.143	22	32.8	37.74	21	32.8	G5	L	C7	5117	C -32 7422
71		7.2T	29 14.316	-0.0030	12	-34 52 12.24	-0.082	10	0.63	14.472	17	98.5	7.79	17	95.7	K0		GC	14460	C -34 6783
72	9.2	8.0W	29 22.538	-0.0015	21	-32 48 36.00	-0.044	21	0.42	22.564	22	32.8	35.25	21	32.8	K2		C7	5119	C -32 7424
73	10.4		29 23.002	-0.0007	18	-35 24 28.67	-0.001	18	0.31	23.012	15	35.8	28.66	21	35.8	F5	L	C8	4878	C -35 6494
74	10.6	9.3W	29 25.548	-0.0045	21	-34 42 44.60	-0.072	21	0.42	25.625	22	32.8	43.36	21	32.8	K2	L	C7	5120	C -34 6785
75	9.8	9.4W	29 32.167	-0.0039	21	-32 39 23.75	-0.076	21	0.42	32.233	22	32.8	22.44	21	32.8	G5	L	C7	5122	C -32 7428
76	10.9	10.1W	29 32.196	0.0015	21	-30 47 17.58	-0.033	21	0.42	32.171	22	32.8	17.01	21	32.8			C7	5121	C -30 8514
77	9.4	9.2W	29 33.395	-0.0098	21	-32 52 49.55	-0.006	21	0.42	33.564	22	32.8	49.44	21	32.8	G5		C7	5123	C -32 7429
78	9.9	10.1W	29 36.126	-0.0047	13	-36 13 24.41	0.031	13	0.26	36.193	15	35.8	24.86	21	35.8	A0		C8	4879	C -35 6495
79	9.8	9.6W	29 38.926	-0.0055	21	-30 16 30.82	0.045	21	0.42	39.020	22	32.8	31.59	21	32.8	F8		C7	5124	C -29 8412
80	9.7	9.4W	29 44.232	-0.0005	21	-30 20 9.82	0.022	21	0.42	44.240	22	32.8	10.19	21	32.8			C7	5125	C -29 8414
81	10.3	9.1W	29 44.953	-0.0007	21	-34 8 9.96	0.006	21	0.42	44.964	22	32.8	10.05	21	32.8	K5	L	C7	5126	C -33 7043
82	9.8	9.2W	29 46.785	-0.0057	13	-38 55 21.74	-0.020	13	0.26	46.865	15	35.8	21.46	21	35.8	G5		C8	4880	C -38 6539
83	10.2	9.5W	29 49.016	-0.0044	21	-31 54 44.62	-0.029	21	0.42	49.092	22	32.8	44.13	21	32.8	K0		C7	5127	C -31 8319
84	10.3	9.5W	29 49.452	-0.0035	21	-31 55 6.31	-0.046	21	0.42	49.512	22	32.8	5.53	21	32.8	K0		C7	5128	C -31 8319
85	8.7	8.4W	29 50.279	0.0010	21	-31 34 58.07	0.015	21	0.42	50.262	22	32.8	58.33	21	32.8	G0		C7	5129	C -31 8320
86		9.2R	29 55.337	-0.0011	20	-30 19 54.84	-0.018	20	0.36	55.355	16	33.2	54.54	16	33.2	K5	M	13B	6951	J -29 8418
87	10.0	9.1W	29 57.039	-0.0025	13	-38 50 18.88	-0.023	13	0.26	57.075	15	35.8	18.56	21	35.8	K0		C8	4881	C -38 6541
88	10.5	10.1W	30 0.066	-0.0062	13	-35 30 31.50	-0.059	13	0.26	0.154	15	35.8	30.66	21	35.8	F5	L	C8	4882	C -35 6498
89	10.7	9.5W	30 6.356	-0.0020	21	-30 32 15.64	0.028	21	0.42	6.391	22	32.8	16.12	21	32.8			C7	5130	C -30 8520
90	10.2	10.1W	30 9.557	-0.0002	21	-30 45 56.38	0.043	21	0.42	9.561	22	32.8	57.12	21	32.8			C7	5131	C -30 8522
91	8.4	7.6W	30 13.341	0.0040	18	-38 29 15.84	-0.083	18	0.31	13.285	15	35.8	14.66	21	35.8	K0		C8	4883	C -38 6543
92	9.3	9.0W	30 18.080	-0.0039	13	-39 2 34.77	-0.022	13	0.26	18.136	15	35.8	34.46	21	35.8	F5		C8	4884	C -38 6544
93	10.2	9.0W	30 18.202	-0.0034	21	-31 28 17.86	0.021	21	0.42	18.261	22	32.8	18.22	21	32.8			C7	5132	C -31 8326
94	10.4	10.2W	30 20.020	-0.0116	18	-37 26 35.38	0.041	18	0.31	20.185	15	35.8	33.96	21	35.8	F5	L	C8	4885	C -37 6617
95	10.1	8.7W	30 20.519	-0.0019	21	-32 19 37.78	-0.008	21	0.42	20.552	22	32.8	37.64	21	32.8			C7	5133	C -31 8327
96	10.4	9.9W	30 22.659	-0.0025	21	-32 2 19.58	-0.089	21	0.42	22.702	22	32.8	18.04	21	32.8	F8	L	C7	5134	C -31 8328
97	8.7	7.9W	30 25.495	-0.0077	08	-36 11 56.35	0.036	08	0.22	25.604	15	35.8	56.86	21	35.8	K0		C8	4886	C -35 6504
98	8.5	7.8W	30 25.999	-0.0025	21	-32 18 4.52	-0.039	21	0.42	26.042	22	32.8	3.84	21	32.8	K0		C7	5135	C -31 8330
99	9.1	9.2W	30 27.737	-0.0033	09	-36 14 36.67	-0.015	09	0.22	27.784	15	35.8	36.46	21	35.8	A		C8	4887	C -35 6506
00	10.5	9.7W	30 28.622	-0.0013	21	-33 57 48.98	-0.042	21	0.42	28.644	22	32.8	48.26	21	32.8	G5	L	C7	5136	C -33 7053

201500

	EPOCH 1950											ORIGINAL EPOCH						SP.	SOURCE		-30° 10H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1	9.1	9.2W	10 30	30.555	-0.0007	23	-36 48	41.03	-0.012	23	0.37	30.565	15	35.8	40.86	21	35.8	AO	C8	4888	C -36 6463
2		8.2T	30	33.342	-0.0014	14	-33 6	41.56	-0.016	10	0.62	33.408	18	02.1	40.75	19	99.7	K2	GC	14497	C -32 7439
3	9.6	8.5W	30	37.208	0.0003	09	-36 22	47.69	0.005	09	0.22	37.204	15	35.8	47.76	21	35.8	K2	C8	4889	C -35 6509
4	10.1	9.4W	30	42.208	-0.0034	09	-35 33	39.98	-0.051	09	0.22	42.254	15	35.8	39.28	21	35.8	K0 L	C8	4890	C -35 6511
5	7.6	8.0W	30	44.234	-0.0037	13	-39 40	21.79	-0.002	13	0.26	44.287	15	35.8	21.76	21	35.8	B9	C8	4891	C -39 6476
6	10.4	9.6W	30	50.561	-0.0101	23	-36 0	28.85	-0.020	23	0.37	50.704	15	35.8	28.56	21	35.8	K0 L	C8	4892	C -35 6514
7	10.2	9.3W	30	53.424	-0.0052	21	-33 16	52.56	0.017	21	0.42	53.513	22	32.8	52.86	21	32.8	K0 L	C7	5138	C -32 7441
8	9.7	9.4W	30	55.369	-0.0030	21	-31 4	22.93	0.017	21	0.42	55.421	22	32.8	23.22	21	32.8		C7	5139	C -30 8531
9	8.3	8.6W	30	58.484	0.0005	10	-39 31	51.13	-0.012	10	0.23	58.477	15	35.8	30.96	21	35.8	AO	C8	4894	C -39 6479
10	7.7	7.8W	31	13.811	-0.0023	05	-35 48	28.32	0.003	05	0.20	13.844	15	35.8	28.36	21	35.8	A3	C8	4896	C -35 6521
11	10.4	9.6W	31	15.755	-0.0067	21	-30 40	42.23	0.046	21	0.42	15.871	22	32.8	43.02	21	32.8		C7	5140	C -30 8532
12		8.7T	31	18.272	0.0021	12	-39 58	47.13	-0.039	09	0.55	18.189	15	00.9	45.10	15	98.2	K0	GC	14514	C* -39 6488
13	10.5	9.9W	31	24.865	-0.0021	21	-30 46	10.00	0.013	21	0.42	24.901	22	32.8	10.22	21	32.8		C7	5141	C -30 8534
14		8.5R	31	25.020	-0.0023	20	-30 3	41.59	-0.011	20	0.36	25.059	16	33.2	41.41	16	33.2	F8 J	138	6965	J -29 8436
15	10.0	10.2W	31	27.853	0.0005	18	-38 43	21.65	-0.003	18	0.31	27.846	15	35.8	21.46	21	35.8	AO	C8	4898	C -38 6560
16	9.8	9.7W	31	30.150	-0.0067	21	-34 39	44.40	-0.066	21	0.42	30.265	22	32.8	43.27	21	32.8	F0 L	C7	5142	C -34 6813
17	9.6	9.0W	31	39.396	-0.0022	21	-34 43	13.72	-0.038	21	0.42	39.435	22	32.8	13.07	21	32.8	K0	C7	5143	C -34 6816
18	10.1	9.2W	31	39.474	-0.0015	09	-36 53	42.36	-0.035	09	0.22	39.495	15	35.8	41.86	21	35.8	K0	C8	4899	C -36 6480
19	9.2	9.0W	31	47.677	-0.0006	13	-39 8	49.05	-0.013	13	0.26	47.686	15	35.8	48.86	21	35.8	A5	C8	4900	C -39 6564
20	10.3	10.0W	31	49.036	-0.0119	18	-38 9	49.71	0.046	18	0.31	49.205	15	35.8	50.36	21	35.8	K0 L	C8	4901	C -37 6631
21	9.7	9.5W	31	50.426	-0.0102	21	-32 6	49.81	0.014	21	0.42	50.602	22	32.8	50.04	21	32.8	F8 L	C7	5144	C -31 8347
22	9.4	9.3W	32	0.125	0.0020	21	-30 7	52.10	0.023	21	0.42	0.090	22	32.8	52.50	21	32.8	F0	C7	5145	C -29 8444
23		7.0T	32	2.032	-0.0027	12	-37 7	41.15	0.002	10	0.61	2.168	21	99.2	41.25	19	95.5	B9	GC	14529K	C* -36 6485
24		8.4T	32	16.266	-0.0054	17	-37 5	45.33	0.002	16	0.80	16.516	21	03.5	45.42	22	03.2	G0	GC	14537	C -36 6489
25	8.5	7.6W	32	18.089	-0.0011	13	-37 52	12.16	-0.007	13	0.26	18.105	15	35.8	12.06	21	35.6	K0	C8	4905	C -37 6639
26		8.4T	32	22.865	-0.0002	12	-33 30	21.38	0.005	09	0.58	22.877	18	99.8	21.62	19	97.8	K0	GC	14539	C -33 7081
27		7.2T	32	29.824	0.0049	13	-31 5	10.44	-0.084	10	0.62	29.581	17	00.5	5.87	18	95.5	F2	GC	14542	C -30 8546
28	8.9	8.2W	32	36.721	-0.0048	21	-34 49	36.78	0.005	21	0.42	36.805	22	32.8	36.87	21	32.8	K0	C7	5148	C -34 6826
29	10.0	8.9W	32	39.391	0.0005	21	-35 0	40.25	-0.023	21	0.42	39.363	22	32.8	39.85	21	32.8	K2 L	C7	5149	C -34 6827
30	10.4	9.0W	32	48.830	0.0006	21	-31 33	51.13	0.001	21	0.42	48.822	22	32.8	51.14	21	32.8		C7	5150	C -31 8357
31	8.8	8.8W	32	49.839	-0.0012	09	-39 17	38.17	-0.015	09	0.22	49.856	15	35.8	37.96	21	35.8	AO	C8	4906	C -38 6572
32		8.2R	32	51.093	0.0014	17	-30 4	42.63	-0.007	17	0.32	51.070	16	33.2	42.50	16	33.2	K0 J	138	6978	J -29 8454
33		5.7I	32	59.355	-0.0028	08	-39 18	12.87	-0.005	06	0.33	59.467	12	09.7	12.64	10	05.7	N8	GC	14552V	C* -38 6579
34	10.8	10.1W	33	3.542	-0.0011	21	-31 28	29.14	-0.030	21	0.42	3.561	22	32.8	28.62	21	32.8		C7	5151	C -31 8361
35	8.5	8.8W	33	4.220	-0.0031	07	-35 34	0.75	-0.034	07	0.21	4.264	15	35.8	0.26	21	35.8	AO	C8	4908	C -35 6553
36	10.2	9.8W	33	5.662	-0.0005	21	-30 42	50.21	0.053	21	0.42	5.671	22	32.8	51.12	21	32.8		C7	5152	C -30 8552
37	9.8	9.5W	33	9.159	-0.0027	21	-34 37	12.42	0.020	21	0.42	9.205	22	32.8	12.77	21	32.8	F2 L	C7	5153	C -34 6830
38		7.0T	33	12.411	-0.0045	12	-37 6	8.26	0.003	11	0.65	12.643	19	98.3	8.41	18	96.7	A3	GC	14559	C -36 6501
39	10.4	9.5W	33	15.507	0.0004	21	-30 58	21.17	0.009	21	0.42	15.501	22	32.8	21.32	21	32.8		C7	5154	C -30 8554
40	10.6	9.0W	33	16.504	-0.0035	23	-36 7	38.93	-0.005	23	0.37	16.554	15	35.8	38.86	21	35.8	G5 L	C8	4912	C -35 6557
41	9.8	9.7W	33	24.150	-0.0031	13	-36 3	46.29	-0.023	13	0.26	24.194	15	35.8	45.96	21	35.8	F0 L	C8	4913	C -35 6559
42	9.0	9.0W	33	24.998	-0.0034	10	-39 19	55.46	-0.014	10	0.23	25.046	15	35.8	55.26	21	35.8	F0	C8	4914	C -38 6589
43	9.9	9.0W	33	25.373	-0.0021	13	-35 18	45.30	-0.031	13	0.26	25.403	15	35.8	44.86	21	35.8	K	C8	4915	C -34 6833
44	9.6	8.7W	33	32.496	-0.0055	18	-37 47	5.81	-0.011	18	0.31	32.575	15	35.8	5.96	21	35.8	K0	C8	4916	C -37 6649
45	10.4	9.4W	33	32.996	-0.0015	21	-32 14	42.07	-0.042	21	0.42	33.022	22	32.8	41.34	21	32.8	K0 L	C7	5155	C -31 8366
46	9.2	9.1W	33	34.924	-0.0050	13	-36 31	39.16	-0.014	13	0.26	34.995	15	35.8	38.96	21	35.8	A2	C8	4917	C -36 6505
47	10.2	9.2W	33	56.486	-0.0027	23	-37 21	51.98	-0.008	23	0.37	56.525	15	35.8	51.86	21	35.8	G5	C8	4918	C -36 6507
48	8.7	8.5W	33	56.667	0.0027	21	-31 5	17.19	-0.056	21	0.42	56.621	22	32.8	16.22	21	32.8	F5	C7	5156	C -30 8564
49	8.7	8.4W	33	57.056	0.0037	13	-36 6	26.96	0.007	13	0.26	57.004	15	35.8	27.06	21	35.8	G5	C8	4919	C -35 6568
50	10.8	9.9W	33	58.703	-0.0043	09	-35 59	48.78	-0.015	09	0.22	58.764	15	35.8	48.56	21	35.8	K1 L	C8	4920	C -35 6569
51	11.2	9.6W	10 34	0.201	-0.0023	23	-36 19	24.01	0.011	23	0.37	0.234	15	35.8	24.16	21	35.8	K5 L	C8	4921	C -35 6570
52	8.6	8.6W	34	0.580	-0.0002	21	-32 34	18.01	-0.021	21	0.42	0.583	22	32.8	17.66	21	32.8	A3	C7	5157	C -32 7472
53	9.7	8.9W	34	3.586	-0.0032	21	-30 33	25.14	0.034	21	0.42	3.641	22	32.8	25.72	21	32.8	K2	C7	5158	C -30 8566
54	10.0	8.6W	34	5.940	0.0005	21	-31 34	24.30	-0.003	21	0.42	5.932	22	32.8	24.24	21	32.8	K5 L	C7	5159	C -31 8374
55	8.1	8.4W	34	6.632	0.0007	21	-31 17	28.41	0.030	21	0.42	6.621	22	32.8	28.92	21	32.8	AO	C7	5160	C -30 8567
56		7.2T	34	18.031	-0.0020	13	-33 0	45.55	-0.028	11	0.65	18.130	19	99.9	44.05	19	96.8	AO	GC	14590	C -32 7479
57	10.1	9.3W	34	19.586	0.0009	21	-30 43	55.91	-0.004	21	0.42	19.571	22	32.8	56.32	21	32.8	K2	C7	5162	C -30 8570
58	8.8	8.5W	34	20.775	-0.0063	13	-36 36	17.57	0.077	13	0.26	20.865	15	35.8	18.66	21	35.8	G5	C8	4922	C -36 6514
59	9.3	9.4W	34	22.696	-0.0014	21	-30 18	3.54	-0.003	21	0.42	22.719	22	32.8	3.60	21	32.8	A2	C7	5163	C -29 8470
60	9.2	8.5W	34	24.713	-0.0057	21	-31 24	32.71	-0.005	21	0.42	24.811	22	32.8	32.62	21	32.8	K0	C7	5164	C -31 8376
61	7.8	8.1W	34	30.609	-0.0004	18	-38 11	47.14	-0.027	18	0.31	30.615	15	35.8	46.76	21	35.8	AO	C8	4923	C -37 6661
62	9.7	9.6W	34	42.503	-0.0006	21	-32 31	24.13	-0.040	21	0.42	42.513	22	32.8	23.46	21	32.8	A5 L	C7	5165	C -32 7487
63	9.5	8.8W	34	43.954	-0.0018	21	-34 26	13.78	-0.036	21	0.42	43.984	22	32.8	13.16	21	32.8	K0	C7	5166	C -34 6846
64	9.7	8.6W	34	44.283	-0.0019	21	-34 38	42.63	-0.050	21	0.42	44.315	22	32.8	41.77	21	32.8	K2	C7	5167	C -34 6847
65	9.9	9.7W	34	46.265	-0.0063	13	-37 16	25.51	-0.067	13	0.26	46.355	15	35.8	24.56	21	35.8	G0	C8	4924	C -36 6522
66		6.8T	34	53.877	-0.0035	16	-31 30	10.60	-0.007	11	0.70	54.045	19	01.6	10.23	19	97.1	K0	GC	14605	C* -31 8383
67	9.6	9.2W	34	58.158	-0.0036	21	-31 29	50.46	-0.002	21	0.42	58.221	22	32.8	50.42	21	32.8	F2 L	C7	5169	C -31 8385
68	10.2	9.4W	35	10.178	-0.0038	21	-33 5	10.68	0.045	21	0.42	10.243	22	32.8	11.46	21	32.8	K0 L	C7	5170	C -32 7491
69	10.1	9.6W	35	11.406	-0.0026	13	-35 12	29.75	-0.056	13	0.26	11.444	15	35.8	28.96	21	35.8	G0 L	C8	4926	C -34 6852
70	10.4	10.1W	35	11.519	-0.0030	21	-30 9	40.50	0.000	21	0.42	11.569	22	32.8	40.50	21	32.8		C7	5171	C -29 8481
71	9.2	9.1W	35	12.931	-0.0008	21	-33 55	0.26	-0.006	21	0.42	12.944	22	32.8	0.16	21	32.8	A3	C7	5172	C -33 7112
72	11.1	10.4W	35	13.586	-0.0020	21	-30 15	2.19	0.047	21	0.42	13.619	22	32.8	3.00	21	32.8		C7	5173	C -29 8482
73	9.4	8.6W	35	17.756	0.0015	18	-37 20	31.09	-0.002	18	0.31	17.735	15	35.8	31.06	21	35.8	G5	C8	4928	C -36 6533
74	10.1	9.9W	35	17.879	-0.0019	21	-31 52	14.02	-0.010	21	0.42	17.912	22	32.8	13.84	21	32.8		C7	5174	C -31 8390
75	9.9	9.5W	35	18.468	0.0007	21	-34 38	0.09	0.045	21	0.42	18.455	22	32.8	0.87	21	32.8	F5 L	C7	5175	C -34 6853
76		7.0T	35	25.446	-0.0002	11	-35 27	35.63	-0.016	11	0.59	25.457	17	97.4	34.77	15	96.9	B9	GC	14620	C -35 6590
77	10.2	10.1W	35	28.980	-0.0045	23	-36 16	9.39	-0.002	23	0.37	29.044	15	35.8	9.36	21	35.8	F2 L	C8	4930	C -35 6593
78	10.8	10.0W	35	35.596	-0.0038	21	-32 20	53.73	-0.057	21	0.42	35.662	22	32.8	52.74	21	32.8		C7	5176	C -31 8395
79	9.3	9.5W	35	38.162	-0.0013	21	-33 43	11.08	-0.007	21	0.42	38.184	22	32.8	10.96	21	32.8	AO	C7	5177	C -33 7118
80	10.2	10.0W	35	40.499	-0.0009	21	-34 8	48.02	-0.015	21	0.42	40.514	22	32.8	47.76	21	32.8	A8 L	C7	5178	C -33 7119
81	9.7	9.7W	35	50.980	0.0003	18	-39 4	31.56	-0.021	18	0.31	50.976	15	35.8	31.26	21	35.8	F5	C8	4931	C -38 6618
82	9.1	9.1W	35	51.455	-0.0022	13	-39 17	11.83	0.002	13	0.26	51.486	15	35.8	11.86	21	35.8	A3	C8	4932	C -38 6619
83	9.6	9.6W	35	57.014	-0.0017	21	-32 59	23.34	-0.052	21	0.42	57.043	22	32.8	22.46	21	32.8	A	C7	5179	C -32 7504
84	8.9	9.0W	36	9.577	-0.0054	13	-36 1	31.57	-0.036	13	0.26	9.654	15	35.8	31.06	21	35.8	AO	C8	4933	C -35 6607
85	10.9	10.1W	36	10.282	-0.0108	21	-32 43	6.98	0.103	21	0.42	10.463	22	32.8	8.76	21	32.8		C7	5180	C -32 7507
86	10.5	10.2W	36	15.344	-0.0051	21	-31 40	9.68	0.010	21	0.42	15.432	22	32.8	10.04	21	32.8	F2 L	C7	5181	C -31 8404
87	9.4	8.6W	36	26.657	-0.0010	21	-34 13	33.10	+0.028	21	0.42	26.674	22	32.8	32.66	21	32.8	K0	C7	5182	C -33 7131
88	9.4	8.7W	36	28.647	-0.0002	21	-31 28	7.27	-0.003	21	0.42	28.651	22	32.8	7.22	21	32.8	G5	C7	5183	C -31 8409
89	8.6	8.6W	36	36.180	-0.0003	13	-37 19	45.26	-0.021	13	0.26	36.185	15	35.8	44.96	21	35.8	A2	C8	4935	C -36 6559
90	9.7	8.8W	36	44.512	-0.0042	21	-34 28	47.45	-0.023	21	0.42	44.584	22	32.8	47.06	21	32.8	K0	C7	5184	C* -34 6870
91	10.5	9.7W	36	46.227	-0.0041	09	-36 30	5.96	-0.007	09	0.22	46.285	15	35.8	5.86	21	35.8	K1 L	C8	4936	C -36 6562
92	10.8	9.9W	36	51.238	-0.0021	21	-33 17	46.63	-0.028	21	0.42	51.273	22	32.8	46.16	21	32.8		C7	5185	C -32 7516
93	8.3	8.1W	36	51.500	-0.0032	21	-33 40	56.92	0.008	21	0.42	51.554	22	32.8	57.06	21	32.8	F5	C7	5186	C -33 7137
94	9.6	9.4W	36	53.201	-0.0019	21	-32 42	35.86	0.005	21	0.42	53.233	22	32.8	35.96	21	32.8	F5 L	C7	5187	C -32 7517
95	10.5	9.7W	36	54.346	-0.0062	13	-35 37	12.42	-0.018	13	0.26	54.434	15	35.8	12.16	21	35.8	K0 L	C8	4937	C -35 6617
96	9.5	9.7W	36	54.710	-0.0024	21	-31 44	17.49	-0.055	21	0.42	54.752	22	32.8	16.54	21	32.8	A2	C7	5188	C -31 8416
97	10.9	9.9W	36	54.985	-0.0027	21	-32 25	38.45	-0.012	21	0.42	55.032	22	32.8	38.24	21	32.8		C7	5189	C -32 7518
98		6.8T	36	59.965	-0.0051	11	-36 24	59.58	0.004	10	0.57	+ 0.226	18	98.3	59.77	18	96.4	G5	GC	14650	C* -36 6565
99	10.4	10.2W	37	1.160	-0.0035	21	-30 45	47.42	-0.017	21	0.42	1.221	22	32.8	47.12	21	32.8		C7	5190	C -30 8595
00	7.6	8.0W	37	3.626	0.0022	06	-37 10	46.53	-0.026	06	0.20	3.595	15	35.8	46.16	21	35.8	AO	C8	4939	C -36 6566

201600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 10H DM NUMBER
1	10.8	10.0W	10 37 3.847	-0.0031	21	-30 54 41.37	0.015	21	0.42	3.901	22	32.8	41.62	21	32.8		C7	5191	C -30 8598
2	9.1	8.3W	37 8.626	0.0007	21	-32 33 9.94	-0.040	21	0.42	8.613	22	32.8	9.26	21	32.8	K0	C7	5192	C -32 7521
3	11.1	9.8W	37 10.058	-0.0011	23	-35 30 55.63	0.002	23	0.37	10.074	15	35.8	55.66	21	35.8		C8	4940	C -35 6622
4		8.0T	37 14.198	-0.0019	15	-38 33 1.74	0.012	17	0.75	14.284	21	04.3	2.27	21	05.2	G5	GC	14661	C*-37 6699
5	10.0	9.9W	37 14.212	-0.0052	21	-32 15 3.93	0.030	21	0.42	14.302	22	32.8	4.44	21	32.8	F0 L	C7	5193	C -31 8420
6	8.8	8.0W	37 14.334	-0.0000	07	-37 33 2.25	0.001	07	0.21	14.335	15	35.8	2.26	21	35.8	G5	C8	4941	C -37 6699
7	10.4		37 16.940	-0.0017	18	-35 50 21.00	-0.017	18	0.31	16.964	15	35.8	20.76	21	35.8	F0 L	C8	4942	C -35 6625
8	11.1	9.8W	37 17.218	-0.0008	21	-31 59 49.34	-0.017	21	0.42	17.232	22	32.8	49.04	21	32.8		C7	5194	C -31 8423
9	9.4	8.2W	37 22.327	-0.0035	13	-39 42 1.72	-0.018	13	0.26	22.377	15	35.8	1.46	21	35.8	K2	C8	4943	C -39 6554
10	8.9	7.4W	37 26.291	-0.0017	06	-37 10 20.28	-0.029	06	0.20	26.315	15	35.8	19.86	21	35.8	K2	C8	4944	C -36 6572
11	10.0	9.2W	37 26.455	-0.0049	18	-38 16 46.03	0.002	18	0.31	26.525	15	35.8	46.06	21	35.8	K0	C8	4945	C -37 6703
12	10.1	9.0W	37 28.270	-0.0059	13	-36 16 32.92	-0.039	13	0.26	28.354	15	35.8	32.36	21	35.8	K0	C8	4946	C -35 6630
13	9.8	9.6W	37 31.353	-0.0001	21	-33 53 11.18	-0.019	21	0.42	31.354	22	32.8	10.86	21	32.8	F8 L	C7	5195	C -33 7146
14	9.1	9.3W	37 32.615	-0.0004	21	-32 28 27.90	-0.015	21	0.42	32.622	22	32.8	27.64	21	32.8	A0	C7	5196	C -32 7526
15		7.4T	37 34.390	0.0015	09	-33 21 5.85	0.005	09	0.41	34.324	15	06.8	6.06	15	06.2	K0	GC	14667	C -32 7529
16	9.9	9.8W	37 35.822	-0.0023	09	-37 22 56.65	-0.013	09	0.22	35.855	15	35.8	56.46	21	35.8	A5	C8	4947	C -36 6573
17		8.9R	37 36.236	0.0029	17	-30 5 19.76	0.040	17	0.32	36.188	16	33.3	20.43	16	33.3	K2 M	13B	7034	J -29 8510
18	10.2	9.7W	37 49.514	-0.0059	21	-34 54 11.22	0.026	21	0.42	49.615	22	32.8	11.67	21	32.8	G5 L	C7	5198	C -34 6882
19	10.7	10.0W	37 52.456	-0.0020	21	-30 34 49.78	0.020	21	0.42	52.491	22	32.8	50.12	21	32.8		C7	5199	C -30 8616
20	10.7	9.7W	37 57.258	-0.0038	21	-32 40 6.14	-0.046	21	0.42	57.323	22	32.8	5.36	21	32.8	K0 L	C7	5200	C -32 7535
21	9.6	9.5W	37 58.087	-0.0069	21	-34 36 58.24	0.019	21	0.42	58.205	22	32.8	58.57	21	32.8	F8 L	C7	5201	C -34 6883
22	10.6	10.0W	38 8.502	-0.0011	21	-31 12 30.69	0.031	21	0.42	8.521	22	32.8	31.22	21	32.8		C7	5202	C -30 8620
23	10.6	10.0W	38 22.418	-0.0025	21	-31 1 5.04	0.005	21	0.42	22.461	22	32.8	5.12	21	32.8		C7	5203	C -30 8621
24	8.7	9.1W	38 22.602	-0.0001	13	-35 44 24.14	-0.055	13	0.26	22.604	15	35.8	23.36	21	35.8	A0	C8	4950	C -35 6641
25	8.9	8.7W	38 23.738	-0.0002	21	-31 39 55.94	-0.017	21	0.42	23.742	22	32.8	55.64	21	32.8	F8	C7	5204	C -31 8430
26	10.6	10.1W	38 25.870	-0.0076	21	-30 20 32.51	0.040	21	0.42	25.999	22	32.8	33.20	21	32.8		C7	5205	C -29 8518
27	9.5	9.4W	38 26.484	-0.0053	21	-34 2 48.01	-0.003	21	0.42	26.574	22	32.8	47.96	21	32.8	F2 L	C7	5206	C -33 7157
28	10.6	9.7W	38 27.346	-0.0068	13	-35 14 56.63	-0.005	13	0.26	27.443	15	35.8	56.56	21	35.8	K0 L	C8	4951	C -34 6887
29	9.6	8.8W	38 33.106	-0.0027	09	-36 19 41.04	-0.020	09	0.22	33.144	15	35.8	40.76	21	35.8	G5	C8	4952	C -35 6645
30		8.2T	38 33.218	-0.0038	12	-37 34 19.13	0.002	11	0.62	33.406	19	00.5	19.23	18	98.0	A5	GC	14687	C -37 6718
31		6.5T	38 34.311	-0.0024	08	-35 28 48.54	0.016	07	0.34	34.414	12	07.5	49.21	14	07.3	G5	GC	14689	C -35 6646
32	10.1	9.3W	38 39.547	-0.0014	21	-32 17 48.42	-0.010	21	0.42	39.572	22	32.8	48.24	21	32.8	K0 L	C7	5207	C -31 8435
33	10.3	10.2W	38 39.721	-0.0017	21	-30 36 36.41	0.059	21	0.42	39.751	22	32.8	37.42	21	32.8		C7	5208	C -30 8624
34	10.8	10.5W	38 41.790	-0.0130	21	-32 51 35.82	-0.045	21	0.42	42.013	22	32.8	35.06	21	32.8	G5 L	C7	5209	C -32 7543
35	10.3	10.0W	38 43.403	0.0001	21	-32 27 50.38	-0.037	21	0.42	43.402	22	32.8	49.74	21	32.8	G0 L	C7	5210	C -32 7544
36	10.0	9.6W	38 49.004	-0.0033	21	-30 31 20.47	-0.026	21	0.42	49.061	22	32.8	20.02	21	32.8		C7	5211	C -30 8626
37	8.9	8.6W	38 59.757	-0.0014	21	-31 34 38.00	-0.061	21	0.42	59.782	22	32.8	36.94	21	32.8	G0	C7	5212	C -31 8438
38	10.0	9.8W	39 2.391	-0.0060	21	-32 59 41.11	-0.108	21	0.42	2.493	22	32.8	39.26	21	32.8	F5 L	C7	5213	C -32 7552
39	8.3	8.5W	39 5.653	-0.0010	21	-30 16 20.06	0.025	21	0.42	5.669	22	32.8	20.50	21	32.8	A0	C7	5214	C -29 8525
40	8.8	8.1W	39 11.272	0.0005	21	-33 26 23.52	0.002	21	0.41	11.263	22	33.3	23.56	21	33.3	G5	C7	5215	C -33 7170
41		6.9T	39 12.940	-0.0028	12	-35 28 9.97	-0.007	11	0.61	13.083	17	99.2	9.58	18	96.3	A0	GC	14701	C*-35 6656
42	10.5	10.0W	39 15.664	0.0000	21	-32 39 27.45	-0.024	21	0.41	15.663	22	33.3	27.06	21	33.3	F5 L	C7	5216	C -32 7556
43	7.9	8.2W	39 22.966	-0.0026	21	-30 29 18.33	0.022	21	0.41	23.009	22	33.3	18.70	21	33.3	A0	C7	5217	C -30 8634
44	10.5	10.0W	39 24.152	-0.0053	21	-30 44 46.24	-0.001	21	0.41	24.241	22	33.3	46.22	21	33.3		C7	5218	C -30 8635
45	10.5	10.2W	39 32.652	-0.0009	18	-36 52 24.43	-0.032	18	0.32	32.665	15	35.4	23.96	21	35.4	G0 L	C8	4957	C -36 6602
46	11.3	10.0W	39 35.184	-0.0130	13	-36 22 20.64	0.063	13	0.26	35.374	15	35.4	21.56	21	35.4		C8	4958	C -35 6662
47	9.4	8.0W	39 40.780	-0.0044	13	-36 9 12.89	-0.043	13	0.26	40.844	15	35.4	12.26	21	35.4	K5	C8	4959	C -35 6664
48	9.4	8.8W	39 41.634	-0.0025	21	-34 48 19.44	-0.076	21	0.41	41.675	22	33.3	18.17	21	33.3	K0	C7	5219	C -34 6906
49	9.9	9.2W	39 47.054	-0.0019	21	-34 40 8.32	-0.027	21	0.41	47.085	22	33.3	7.88	21	33.3	K0 L	C7	5220	C -34 6909
50	8.6	8.6W	39 49.555	0.0020	08	-39 19 41.62	-0.011	08	0.22	49.526	15	35.4	41.46	21	35.4	F0	C8	4960	C -38 6672
51	9.4	8.1W	10 39 50.602	-0.0007	21	-33 26 52.03	0.007	21	0.41	50.613	22	33.3	52.16	21	33.3	K2	C7	5221	C -33 7177
52	8.4	8.8W	39 54.946	-0.0048	14	-39 6 13.47	-0.021	14	0.27	55.016	15	35.4	13.16	21	35.4	A0	C8	4961	C -38 6674
53	9.3	8.9W	39 55.145	-0.0011	21	-33 26 35.18	0.004	21	0.41	55.163	22	33.3	35.26	21	33.3	K0	C7	5222	C*-33 7180
54		8.6T	39 56.660	-0.0036	16	-39 25 59.25	-0.008	10	0.69	56.831	21	02.3	58.81	19	96.5	K0	GC	14721	C -39 6590
55	10.4	9.6W	39 57.834	-0.0007	18	-38 6 42.56	-0.034	18	0.32	57.845	15	35.4	42.06	21	35.4	K0 L	C8	4963	C -37 6739
56	10.3	9.6W	40 0.656	-0.0012	09	-35 49 15.08	-0.015	09	0.22	0.674	15	35.4	14.86	21	35.4	K0 L	C8	4966	C -35 6666
57	8.8	8.5W	40 2.621	-0.0050	08	-35 56 25.65	-0.013	08	0.22	2.694	15	35.4	25.46	21	35.4	G5	C8	4967	C -35 6668
58	9.3	9.2W	40 7.053	-0.0023	21	-31 36 22.66	-0.007	21	0.41	7.091	22	33.3	22.54	21	33.3	A5	C7	5223	C -31 8458
59		9.0R	40 8.034	-0.0049	20	-30 1 8.46	0.102	20	0.36	8.116	16	33.3	10.16	16	33.3	G0 J	13B	7065	J -29 8540
60	7.8	7.7W	40 8.050	-0.0062	21	-33 23 37.03	0.007	21	0.41	8.153	22	33.3	37.16	21	33.3	F2	C7	5224	C -32 7567
61		10.2W	40 12.607	0.0022	21	-31 10 10.27	0.087	21	0.41	12.571	22	33.3	11.72	21	33.3		C7	5225	C -30 8648
62	11.0	10.1W	40 15.146	-0.0033	21	-32 7 51.05	-0.018	21	0.41	15.201	22	33.3	50.74	21	33.3		C7	5226	C -31 8460
63	10.7		40 19.392	-0.0001	21	-33 3 1.57	-0.061	21	0.41	19.393	22	33.3	0.55	21	33.3	A3 L	C7	5227	C -32 7569
64	10.7	10.1W	40 20.892	-0.0029	21	-30 32 38.56	0.004	21	0.41	20.951	22	33.3	38.63	21	33.3		C7	5228	C -30 8653
65		5.7H	40 23.909	-0.0023	03	-32 27 12.42	-0.002	03	0.11	23.986	06	17.0	12.35	06	20.1	A0	F4	1277	C -32 7572
66	10.5	10.0W	40 31.206	-0.0099	21	-31 49 0.73	-0.017	21	0.41	31.372	22	33.3	0.44	21	33.3		C7	5230	C -31 8464
67	10.0	9.0W	40 40.969	-0.0010	09	-36 14 25.03	0.009	09	0.22	40.984	15	35.4	25.16	21	35.4	K0	C8	4968	C -35 6675
68	9.2	8.4W	40 48.496	0.0009	23	-35 21 1.91	-0.065	23	0.38	48.483	15	35.4	0.96	21	35.4	K0	C8	4969	C -34 6929
69	8.2	7.6W	40 51.032	0.0004	21	-34 44 28.35	-0.065	21	0.41	51.025	22	33.3	27.27	21	33.3	K0	C7	5231	C -34 6931
70	10.3	9.4W	40 55.380	-0.0017	09	-36 42 1.79	-0.050	09	0.22	55.405	15	35.4	1.06	21	35.4	G8 L	C8	4970	C -36 6622
71	10.6	10.0W	40 57.133	-0.0031	21	-34 4 2.79	0.004	21	0.41	57.184	22	33.3	2.86	21	33.3	F8 L	C7	5232	C -33 7192
72		6.6T	40 57.805	0.0001	12	-31 29 48.62	-0.051	10	0.61	57.800	17	99.3	45.90	17	96.4	K0 L	GC	14749	C -31 8467
73	10.6	9.8W	41 0.695	-0.0041	18	-37 27 10.35	-0.001	18	0.32	0.755	15	35.4	10.36	21	35.4	K0 L	C8	4971	C -37 6755
74		7.1T	41 2.580	0.0003	17	-31 52 28.99	-0.002	12	0.74	2.565	17	02.2	28.88	18	98.4	A0	GC	14750	C*-31 8469
75	9.5	9.2W	41 5.006	-0.0046	13	-35 27 32.89	-0.029	13	0.26	5.073	15	35.4	32.46	21	35.4	F8	C8	4972	C -35 6681
76	9.5	8.8W	41 7.759	-0.0038	13	-36 32 17.95	-0.006	13	0.26	7.815	15	35.4	17.86	21	35.4	G5	C8	4973	C -36 6624
77	8.9	9.1W	41 9.998	-0.0025	13	-37 2 9.58	-0.022	13	0.26	10.035	15	35.4	9.26	21	35.4	A0	C8	4974	C -36 6626
78	10.1	9.2W	41 14.242	-0.0042	23	-35 25 41.90	-0.037	23	0.38	14.304	15	35.4	41.36	21	35.4	K0 L	C8	4975	C -35 6682
79	10.1	9.9W	41 14.985	-0.0006	21	-34 12 10.61	0.003	21	0.41	14.994	22	33.3	10.66	21	33.3	F0 L	C7	5235	C -33 7198
80		10.0W	41 15.557	-0.0032	21	-30 20 57.02	-0.001	21	0.41	15.609	22	33.3	57.00	21	33.3		C7	5236	C -29 8555
81	8.6	7.3W	41 17.315	-0.0021	21	-30 36 16.18	0.009	21	0.41	17.351	22	33.3	16.33	21	33.3	K5	C7	5237	C -30 8662
82	8.1	8.1W	41 18.300	-0.0024	21	-30 49 41.06	0.010	21	0.41	18.341	22	33.3	41.23	21	33.3	A2	C7	5238	C -30 8664
83	9.1	8.2W	41 19.140	-0.0000	21	-30 56 29.11	-0.029	21	0.41	19.141	22	33.3	28.62	21	33.3	K0	C7	5239	C -30 8667
84		7.1T	41 20.370	0.0014	08	-38 47 45.60	0.004	07	0.33	20.313	10	09.6	45.76	12	07.8	G0	GC	14757	C -38 6693
85	10.1	9.6W	41 20.965	0.0013	21	-33 8 59.72	-0.100	21	0.41	20.943	22	33.3	58.06	21	33.3	G2 L	C7	5240	C -32 7586
86	9.5	9.3W	41 34.691	-0.0050	23	-35 45 35.86	-0.000	23	0.38	34.764	15	35.4	35.86	21	35.4	F5	C8	4977	C -35 6690
87	9.2	8.9W	41 35.701	0.0018	13	-37 35 18.77	-0.028	13	0.26	35.675	15	35.4	18.36	21	35.4	F8	C8	4978	C -37 6763
88	10.7	9.3W	41 37.427	-0.0082	21	-32 42 42.98	-0.026	21	0.41	37.563	22	33.3	42.56	21	33.3		C7	5241	C -32 7592
89	10.4	9.3W	41 42.946	-0.0030	21	-34 47 44.79	-0.049	21	0.41	42.995	22	33.3	43.97	21	33.3	K0 L	C7	5242	C -34 6941
90	9.0	8.9W	41 51.955	-0.0049	13	-39 49 40.75	-0.061	13	0.26	52.027	15	35.4	39.86	21	35.4	F0	C8	4979	C*-39 6622
91	9.1	8.9W	41 53.564	-0.0078	21	-33 59 42.64	-0.017	21	0.41	53.694	22	33.3	42.36	21	33.3	F2	C7	5243	C -33 7207
92		8.4T	41 59.287	0.0007	17	-36 33 51.30	-0.015	14	0.75	59.254	21	04.3	50.60	21	03.5	A0	GC	14767	C -36 6640
93	9.1	8.3W	42 2.034	-0.0084	21	-33 18 42.90	-0.141	21	0.41	2.173	22	33.3	40.56	21	33.3	K2	C7	5244	C -32 7598
94	9.7	9.6W	42 3.504	-0.0014	15	-38 13 41.08	-0.022	15	0.29	3.525	15	35.4	40.76	21	35.4	A	C8	4981	C -37 6767
95	10.6	9.9W	42 4.299	-0.0059	23	-37 17 53.08	-0.070	23	0.38	4.385	15	35.4	52.06	21	35.4	G5 L	C8	4982	C -36 6641
96	10.5	9.7W	42 10.744	-0.0028	23	-37 12 3.66	-0.041	23	0.38	10.785	15	35.4	3.06	21	35.4	G8 L	C8	4983	C -36 6642
97	10.6	9.7W	42 12.745	0.0001	23	-36 15 58.83	-0.025	23	0.38	12.744	15	35.4	58.46	21	35.4	G8 L	C8	4984	C -35 6693
98		6.8T	42 21.652	0.0065	09	-36 40 2.01	-0.024	07	0.35	21.399	12	11.2	1.02	12	09.1	F8	GC	14780	C*-36 6644
99		7.7T	42 22.565	-0.0030	12	-37 52 46.33	-0.020	10	0.64	22.717	22	99.5	45.22	19	94.7	F8	GC	14781K	C*-37 6769
00	10.2	9.7W	42 23.763	-0.0072	21	-33 15 37.68	-0.044	21	0.41	23.883	22	33.3	36.95	21	33.3	G5 L	C7	5245	C -32 7603

201700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 10H DM NUMBER
1	10.0	9.3W	10 42 24.477	-0.0074	23	-36 34 31.35	-0.020	23	0.38	24.585	15	35.4	31.06	21	35.4	G5	L	C8	4987	C -36 6648
2	10.1	9.3W	42 25.970	-0.0016	13	-35 24 14.95	-0.013	13	0.26	25.994	15	35.4	14.76	21	35.4	K0	L	C8	4988	C -35 6697
3	9.4	8.8W	42 26.195	-0.0048	09	-36 36 48.78	-0.015	09	0.22	26.265	15	35.4	48.56	21	35.4	G5	L	C8	4989	C -36 6649
4	10.1		42 28.643	0.0013	11	-36 0 3.56	-0.041	11	0.24	26.624	15	35.4	2.96	21	35.4	A5	L	C8	4990	C -35 6698
5	7.9	8.0W	42 32.451	-0.0013	21	-35 4 52.61	-0.039	21	0.41	32.473	22	33.3	51.85	21	33.3	A5		C7	5246	C -34 6949
6	9.5	8.5W	42 35.664	-0.0055	23	-37 0 26.93	0.023	23	0.38	35.745	15	35.4	27.26	21	35.4	K0		C8	4991	C -36 6651
7		10.1W	42 37.771	0.0011	18	-38 27 32.77	-0.028	18	0.32	37.755	15	35.4	32.36	21	35.4	F0	L	C8	4992	C -38 6711
8	10.9	9.8W	42 44.648	-0.0004	23	-35 42 50.44	-0.019	23	0.38	44.654	15	35.4	50.16	21	35.4	K0	L	C8	4993	C -35 6700
9	9.4	8.1W	42 46.582	0.0001	21	-31 4 26.76	0.010	21	0.41	46.581	22	33.3	26.93	21	33.3	K5		C7	5247	C -30 8694
10	10.6	9.9W	42 48.519	-0.0120	23	-36 8 14.77	-0.062	23	0.38	48.694	15	35.4	13.86	21	35.4	K0	L	C8	4994	C -35 6703
11	8.8	9.0W	42 53.284	0.0005	13	-39 59 49.44	-0.033	13	0.26	53.257	15	35.4	48.96	21	35.4	A0		C8	4995	C*-39 6638
12	10.8	10.0W	42 55.789	-0.0058	23	-36 13 37.83	0.002	23	0.38	55.874	15	35.4	37.86	21	35.4	K0	L	C8	4996	C -35 6705
13	10.7	9.7W	43 0.138	0.0004	21	-31 32 16.75	-0.000	21	0.41	0.131	22	33.3	16.74	21	33.3	G5	L	C7	5248	C -31 8495
14	10.2	10.0W	43 4.891	-0.0044	21	-34 26 49.34	-0.017	21	0.41	4.964	22	33.3	49.06	21	33.3	F0	L	C7	5249	C -34 6954
15		9.3R	43 5.337	-0.0014	12	-30 13 40.51	0.019	12	0.25	5.361	16	33.3	40.83	16	33.3	K0	M	13B	7091	J -29 8576
16	7.3	7.8W	43 9.463	-0.0015	06	-37 7 44.45	-0.006	05	0.20	9.485	15	35.4	44.36	21	35.4	B9		C8	4997	C -36 6655
17	10.6	9.2W	43 19.521	-0.0016	18	-37 18 54.09	-0.005	18	0.32	19.545	15	35.4	54.16	21	35.4	K2	L	C8	4998	C -36 6657
18	10.2	9.0W	43 19.777	-0.0004	21	-32 49 20.11	-0.004	21	0.41	19.783	22	33.3	20.06	21	33.3			C7	5250	C -32 7617
19	10.7	9.7W	43 27.596	-0.0026	13	-36 7 30.75	-0.013	13	0.26	27.634	15	35.4	30.56	21	35.4	K2	L	C8	4999	C -35 6715
20		7.7T	43 32.111	-0.0032	15	-36 40 49.98	-0.032	13	0.73	32.265	18	01.7	48.35	21	99.3	K0		GC	14808	C*-36 6659
21	9.1	8.1W	43 33.402	0.0019	21	-30 35 31.19	0.014	21	0.41	33.371	22	33.3	31.43	21	33.3	K2		C7	5251	C -30 8705
22		9.7W	43 40.327	-0.0011	21	-34 59 16.97	-0.060	21	0.41	40.345	22	33.3	15.97	21	33.3			C7	5252	C -34 6961
23	9.0	9.3W	43 40.359	-0.0026	10	-39 32 13.65	-0.027	10	0.23	40.397	15	35.4	13.26	21	35.4	A0		C8	5001	C -39 6649
24	10.2	9.2W	43 43.263	-0.0001	09	-37 2 44.03	-0.018	09	0.22	43.265	15	35.4	43.76	21	35.4	K0		C8	5002	C -36 6662
25	10.8	9.8W	43 43.834	-0.0041	13	-35 48 38.10	-0.030	13	0.26	43.894	15	35.4	37.66	21	35.4	K1	L	C8	5003	C -35 6718
26	9.9	8.8W	43 47.697	-0.0081	09	-36 36 30.53	0.009	09	0.22	47.815	15	35.4	30.66	21	35.4	K0		C8	5004	C -36 6663
27	10.1	9.4W	43 53.414	-0.0030	21	-33 28 39.89	-0.032	21	0.41	53.463	22	33.3	39.36	21	33.3	G5	L	C7	5253	C -33 7238
28	10.1	9.0W	43 54.826	-0.0017	21	-34 31 49.69	-0.001	21	0.41	54.855	22	33.3	49.68	21	33.3	K5		C7	5254	C -34 6963
29	8.6	8.5W	44 5.462	-0.0025	21	-33 3 41.03	-0.017	21	0.41	5.503	22	33.3	40.76	21	33.3	A0		C7	5255	C -32 7625
30	9.4	9.2W	44 8.427	-0.0020	21	-31 11 39.36	0.010	21	0.41	8.461	22	33.3	39.52	21	33.3	A3		C7	5256	C -30 8709
31	8.4	8.5W	44 16.152	-0.0008	06	-36 0 51.97	-0.014	06	0.20	16.164	15	35.4	51.76	21	35.4	A5		C8	5007	C -35 6722
32	9.9	10.0W	44 20.725	-0.0028	21	-31 41 28.71	-0.016	21	0.41	20.771	22	33.3	28.44	21	33.3	B8	L	C7	5257	C -31 8511
33	10.7	10.2W	44 24.688	-0.0013	21	-30 10 22.18	-0.005	21	0.41	24.709	22	33.3	22.10	21	33.3			C7	5258	C -29 8597
34	10.1	9.9W	44 25.255	-0.0001	13	-39 33 33.90	-0.023	13	0.26	25.257	15	35.4	33.56	21	35.4	F8	L	C8	5008	C -39 6659
35		9.0R	44 25.663	0.0004	12	-30 5 5.93	-0.005	12	0.25	25.656	16	33.3	5.85	16	33.3	M0	M	13B	7104	J -29 8598
36	10.0	9.9W	44 28.101	-0.0119	13	-37 22 50.19	-0.050	13	0.26	28.275	15	35.4	49.46	21	35.4	F5		C8	5009	C -36 6676
37	10.0		44 28.484	-0.0008	18	-38 11 33.94	-0.005	18	0.32	28.496	15	35.4	33.86	21	35.4	A8	L	C8	5010	C -38 6736
38	10.6	10.1W	44 31.365	-0.0070	21	-32 15 15.61	0.056	21	0.41	31.481	22	33.3	16.54	21	33.3	G5	L	C7	5259	C -31 8514
39	8.1	8.4W	44 37.274	-0.0042	21	-33 9 3.30	0.003	21	0.41	37.343	22	33.3	3.36	21	33.3	B9		C7	5260	C -32 7635
40	8.8	8.9W	44 41.418	-0.0022	21	-34 23 35.09	-0.044	21	0.41	41.454	22	33.3	34.36	21	33.3	A0		C7	5261	C -34 6975
41	9.8	8.1W	44 41.424	-0.0000	06	-35 49 58.00	-0.023	06	0.20	41.424	15	35.4	57.66	21	35.4	K5		C8	5011	C -35 6729
42	10.0	9.2W	44 41.509	0.0003	21	-32 38 36.58	-0.036	21	0.41	41.503	22	33.3	35.96	21	33.3	K0	L	C7	5262	C -32 7637
43	10.1	9.9W	44 43.852	-0.0132	18	-37 59 5.16	0.089	18	0.32	44.045	15	35.4	6.46	21	35.4	F5	L	C8	5012	C -37 6802
44	9.5	9.5W	44 46.844	-0.0036	21	-32 51 30.00	-0.045	21	0.41	46.903	22	33.3	29.26	21	33.3	A0		C7	5263	C -32 7639
45	8.6	8.5W	44 48.481	-0.0016	23	-37 4 47.61	-0.058	23	0.38	48.505	15	35.4	46.76	21	35.4	F0		C8	5013	C -36 6682
46	9.5	9.2W	45 2.023	-0.0079	21	-33 45 40.73	-0.010	21	0.41	2.154	22	33.3	40.56	21	33.3	F8		C7	5264	C -33 7251
47	10.0	9.2W	45 5.713	-0.0004	21	-30 22 20.18	0.049	21	0.41	5.719	22	33.3	21.00	21	33.3	K0	L	C7	5265	C -29 8610
48	7.6	7.9W	45 8.953	-0.0022	06	-37 15 35.09	-0.002	06	0.20	8.985	15	35.4	35.06	21	35.4	B9		C8	5014	C -36 6685
49	9.7	9.6W	45 10.722	-0.0038	10	-39 32 57.65	-0.054	10	0.23	10.777	15	35.4	56.86	21	35.4	G0		C8	5015	C -39 6668
50		7.2T	45 12.603	-0.0026	13	-31 20 20.97	-0.012	12	0.70	12.738	19	97.8	20.34	18	96.5	M0		GC	14859	C*-30 8723
51	9.5	9.1W	10 45 14.105	0.0033	21	-30 56 27.98	0.051	21	0.41	14.051	22	33.3	28.82	21	33.3	F5	L	C7	5267	C -30 8724
52	8.8	7.9W	45 17.066	-0.0019	06	-35 51 44.08	-0.015	06	0.20	17.094	15	35.4	43.86	21	35.4	K0		C8	5016	C -35 6736
53	10.1	9.2W	45 19.166	0.0008	07	-35 32 0.40	-0.016	07	0.21	19.154	15	35.4	0.16	21	35.4	K0	L	C8	5017	C -35 6737
54	9.1	8.9W	45 24.805	-0.0018	21	-33 57 45.56	-0.012	21	0.41	24.834	22	33.3	45.36	21	33.3	F0		C7	5268	C -33 7256
55	9.2	8.9W	45 29.055	-0.0006	21	-34 45 3.51	-0.098	21	0.41	29.065	22	33.3	1.87	21	33.3	F2		C7	5269	C -34 6987
56	9.5	8.6W	45 29.261	-0.0003	13	-39 28 33.73	0.002	13	0.26	29.266	15	35.4	33.76	21	35.4	K0		C8	5018	C -39 6674
57	10.2	9.8W	45 29.770	0.0000	21	-30 19 17.45	0.063	21	0.41	29.769	22	33.3	18.50	21	33.3	F8	L	C7	5270	C -29 8616
58	9.6	9.3W	45 30.151	-0.0032	21	-33 43 40.14	-0.029	21	0.41	30.204	22	33.3	39.66	21	33.3	F2		C7	5271	C -33 7257
59	9.8	8.7W	45 36.996	-0.0025	21	-34 20 3.68	-0.055	21	0.41	37.034	22	33.3	2.76	21	33.3	K5		C7	5272	C -33 7260
60	10.2	9.5W	45 38.770	-0.0051	23	-36 32 6.88	-0.063	23	0.38	38.845	15	35.4	5.96	21	35.4	K0	L	C8	5019	C -36 6688
61	10.0	9.8W	45 39.494	-0.0034	11	-36 27 27.64	-0.053	11	0.24	39.544	15	35.4	26.86	21	35.4	F8	L	C8	5020	C -36 6689
62	9.4	9.0W	45 45.306	-0.0081	21	-31 46 0.61	0.026	21	0.41	45.441	22	33.3	1.04	21	33.3	F5		C7	5273	C -31 8532
63	11.4	10.1W	45 45.331	-0.0064	23	-37 9 5.03	0.023	23	0.38	45.425	15	35.4	5.36	21	35.4	G5	L	C8	5022	C -36 6692
64	9.7	9.3W	45 48.835	0.0014	21	-31 45 14.77	-0.001	21	0.41	48.811	22	33.3	14.74	21	33.3	F8	L	C7	5274	C -31 8535
65	9.8	8.2W	45 52.666	-0.0013	18	-38 22 10.68	-0.022	18	0.32	52.685	15	35.4	10.36	21	35.4	K5		C8	5023	C -37 6815
66		5.9T	45 53.371	-0.0018	12	-31 25 24.86	-0.017	11	0.59	53.460	14	00.1	24.02	14	00.0	A0		GC	14873	C -31 8536
67	10.6	9.9W	45 55.211	-0.0023	09	-37 8 43.16	-0.000	09	0.22	55.245	15	35.4	43.16	21	35.4	K0	L	C8	5024	C -36 6696
68	10.1	9.9W	46 7.531	0.0004	21	-34 11 37.41	-0.015	21	0.41	7.524	22	33.3	37.16	21	33.3	F5	L	C7	5276	C -33 7265
69	10.9	10.1W	46 10.180	-0.0001	21	-31 35 4.33	-0.035	21	0.41	10.181	22	33.3	3.74	21	33.3			C7	5277	C -31 8541
70	10.7	9.2W	46 11.926	-0.0047	23	-36 50 25.53	-0.039	23	0.38	11.995	15	35.4	24.96	21	35.4	K5	L	C8	5025	C -36 6700
71	9.8	8.8W	46 13.089	0.0005	21	-30 59 58.61	-0.041	21	0.41	13.081	22	33.3	57.93	21	33.3	K0	L	C7	5278	C -30 8732
72	10.7	9.7W	46 17.000	0.0018	21	-30 39 41.23	0.024	21	0.41	16.971	22	33.3	41.63	21	33.3			C7	5279	C -30 8733
73	8.9	8.9W	46 21.523	0.0005	13	-38 33 14.39	0.032	13	0.26	21.516	15	35.4	14.86	21	35.4	A2		C8	5026	C -38 6754
74	9.8	9.5W	46 22.734	-0.0058	21	-31 11 36.05	0.077	21	0.41	22.831	22	33.3	37.33	21	33.3	G0	L	C7	5280	C -30 8736
75	10.2	9.8W	46 22.739	-0.0031	11	-35 36 13.27	-0.042	11	0.24	22.784	15	35.4	12.66	21	35.4	G0	L	C8	5027	C -35 6751
76	9.7	9.9W	46 24.642	-0.0009	13	-37 27 24.45	-0.040	13	0.26	24.655	15	35.4	23.86	21	35.4	A		C8	5028	C -37 6824
77	9.3	9.0W	46 30.577	-0.0019	13	-37 47 11.00	-0.003	13	0.26	30.605	15	35.4	10.96	21	35.4	F8		C8	5029	C -37 6826
78	10.4	9.1W	46 34.226	0.0013	21	-32 49 11.15	-0.054	21	0.41	34.203	22	33.3	10.26	21	33.3	K2	L	C7	5281	C -32 7657
79	9.2	9.0W	46 37.096	-0.0026	09	-35 40 35.82	-0.045	09	0.22	37.134	15	35.4	35.16	21	35.4	A5		C8	5031	C -35 6757
80	10.0	9.8W	46 37.210	-0.0036	21	-31 23 58.06	0.004	21	0.41	37.271	22	33.3	58.13	21	33.3	F2	L	C7	5282	C -30 8739
81	9.7	9.6W	46 37.754	-0.0103	11	-36 53 3.60	0.052	11	0.24	37.905	15	35.4	4.36	21	35.4	F2		C8	5033	C -36 6706
82	7.8	7.5W	46 38.429	0.0125	21	-30 47 35.90	-0.088	21	0.41	38.221	22	33.3	34.43	21	33.3	F8		C7	5283	C -30 8738
83	8.8	8.7W	46 41.727	0.0010	21	-30 12 40.30	0.030	21	0.41	41.709	22	33.3	40.80	21	33.3	A5		C7	5284	C -29 8629
84	10.8	9.5W	46 44.988	-0.0018	23	-35 33 8.00	-0.078	23	0.38	45.014	15	35.4	6.86	21	35.4	K2	L	C8	5034	C -35 6758
85	10.0	9.8W	46 45.497	-0.0005	15	-37 39 11.03	-0.018	15	0.29	45.505	15	35.4	10.76	21	35.4	F8	L	C8	5035	C -37 6830
86	9.2	8.7W	46 50.802	-0.0001	21	-34 41 47.77	-0.126	21	0.41	50.805	22	33.3	45.67	21	33.3	G5		C7	5285	C -34 7002
87	8.4	8.0W	46 50.880	-0.0030	21	-30 22 32.05	0.057	21	0.41	50.929	22	33.3	33.00	21	33.3	G5		C7	5286	C -29 8631
88	10.6	9.1W	46 51.205	-0.0027	13	-35 40 47.95	-0.020	13	0.26	51.244	15	35.4	47.66	21	35.4	K5	L	C8	5036	C -35 6761
89	8.6	7.9W	46 56.687	0.0016	21	-31 14 23.90	0.036	21	0.41	56.661	22	33.3	24.53	21	33.3	G5		C7	5287	C -30 8745
90	10.5	9.7W	47 1.297	-0.0046	23	-36 50 25.63	-0.039	23	0.38	1.365	15	35.4	25.06	21	35.4	G5	L	C8	5038	C -36 6716
91	10.7	9.9W	47 1.577	0.0008	21	-32 35 47.13	-0.047	21	0.41	1.563	22	33.3	46.36	21	33.3	G2	L	C7	5288	C -32 7666
92	8.2	8.2W	47 1.975	-0.0003	21	-30 17 14.13	-0.032	21	0.41	1.979	22	33.3	13.60	21	33.3	A3		C7	5289	C -29 8634
93	9.3	8.4W	47 3.101	-0.0054	21	-32 2 34.93	-0.053	21	0.41	3.191	22	33.3	34.04	21	33.3	K2		C7	5290	C -31 8554
94		7.1T	47 4.197	-0.0030	13	-38 54 20.79	0.004	10	0.62	4.338	21	02.6	20.99	19	98.0	A0		GC	14896	C -38 6761
95	10.4	9.8W	47 4.682	0.0013	23	-35 18 26.81	-0.072	23	0.38	4.663	15	35.4	25.76	21	35.4	K0	L	C8	5040	C -34 7004
96	9.9	9.5W	47 9.880	-0.0020	21	-33 25 7.63	-0.047	21	0.41	9.913	22	33.3	6.86	21	33.3	F8	L	C7	5291	C -33 7286
97	9.8	9.8W	47 17.543	-0.0014	09	-35 36 44.38	-0.022	09	0.22	17.564	15	35.4	44.06	21	35.4	A5	L	C8	5043	C -35 6767
98	9.3	9.3W	47 19.405	-0.0020	07	-35 36 26.46	-0.020	07	0.21	19.434	15	35.4	26.16	21	35.4	F0		C8	5044	C -35 6768
99	8.7	9.0W	47 24.339	0.0002	21	-34 40 54.89	-0.031	21	0.41	24.335	22	33.3	54.38	21	33.3	A0		C7	5292	C -34 7007
00	10.1	9.8W	47 24.831	0.0006	21	-32 21 2.65	-0.000	21	0.41	24.821	22	33.3	2.64	21	33.3	B9	L	C7	5293	C -31 8565

201800 — -30° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.0	8.1W	10 47 25.437	-0.0014	21	-31 8 59.01	0.025	21	0.41	25.461	22	33.3	59.42	21	33.3	K0	C7	5294	C -30 8752
2	9.4	9.3W	47 31.162	-0.0025	21	-34 46 6.19	-0.031	21	0.41	31.205	22	33.3	5.67	21	33.3	A0	C7	5295	C -34 7009
3	10.0	9.8W	47 32.005	-0.0012	21	-34 18 44.69	-0.086	21	0.41	32.024	22	33.3	43.26	21	33.3	F8 L	C7	5296	C -33 7286
4	7.1	7.4W	47 36.251	-0.0002	05	-35 32 21.96	-0.020	05	0.20	36.254	15	35.4	21.66	21	35.4	A0	C8	5045	C -35 6771
5		5.7T	47 37.149	-0.0038	07	-33 47 35.26	0.011	05	0.30	37.318	12	06.1	35.79	12	00.2	A0	GC	14904	C -33 7288
6	10.0	9.1W	47 42.907	-0.0004	21	-33 0 32.00	0.015	21	0.41	42.913	22	33.3	32.26	21	33.3	K0 L	C7	5298	C -32 7674
7	10.3	9.5W	47 48.782	-0.0009	23	-36 43 53.31	-0.058	23	0.38	48.795	15	35.4	52.46	21	35.4	G8 L	C8	5046	C -36 6721
8	9.4	9.2W	47 51.320	-0.0140	23	-36 30 10.09	0.019	23	0.38	51.525	15	35.4	10.36	21	35.4	F8	C8	5047	C -36 6722
9	10.0	9.0W	47 56.773	0.0014	21	-30 16 21.28	0.019	21	0.41	56.749	22	33.3	21.60	21	33.3	K2	C7	5299	C -29 8647
10	9.8	9.0W	47 59.297	-0.0039	13	-36 14 32.05	-0.006	13	0.26	59.354	15	35.4	31.96	21	35.4	K0	C8	5048	C -35 6778
11	10.0	9.2W	48 0.227	-0.0026	18	-37 24 25.65	0.001	18	0.32	0.265	15	35.4	25.66	21	35.4	G5	C8	5049	C -37 6849
12	10.0	9.9W	48 2.248	-0.0039	13	-36 40 6.97	-0.028	13	0.26	2.305	15	35.4	6.56	21	35.4	B9	C8	5050	C -36 6725
13		7.6T	48 6.342	-0.0070	11	-33 34 27.47	-0.016	09	0.53	6.705	17	98.5	26.58	17	95.5	K0	GC	14909	C*-33 7293
14		9.1R	48 11.689	-0.0019	12	-30 6 28.81	0.019	12	0.25	11.720	16	33.3	29.13	16	33.3	A2 J	13B	7145	J -29 8650
15	10.1	8.9W	48 14.043	-0.0022	23	-38 7 57.26	-0.000	23	0.38	14.075	15	35.4	57.26	21	35.4	K2	C8	5052	C -37 6851
16	9.7	9.5W	48 16.565	-0.0022	21	-31 55 33.78	0.022	21	0.41	16.602	22	33.3	34.14	21	33.3	A2	C7	5301	C -31 8575
17	9.6	9.1W	48 18.408	-0.0226	21	-33 44 24.79	-0.020	21	0.41	18.784	22	33.3	24.46	21	33.3	G5	C7	5302	C -33 7296
18	8.1	8.0W	48 24.250	-0.0009	21	-34 13 15.02	-0.082	21	0.41	24.264	22	33.3	13.66	21	33.3	F0	C7	5303	C -33 7297
19	9.3	9.1W	48 29.655	0.0002	21	-32 28 33.97	-0.043	21	0.41	29.652	22	33.3	33.24	21	33.3	A5	C7	5304	C -32 7687
20	9.1	9.0W	48 29.826	-0.0045	21	-31 40 28.75	-0.024	21	0.41	29.902	22	33.3	28.34	21	33.3	A0	C7	5305	C -31 8578
21	10.0	9.3W	48 33.248	-0.0010	21	-33 55 2.91	-0.033	21	0.41	33.264	22	33.3	2.36	21	33.3	K0 L	C7	5306	C -33 7300
22	9.1	8.0W	48 33.703	-0.0014	13	-35 30 47.49	-0.036	13	0.26	33.724	15	35.4	46.96	21	35.4	K2	C8	5053	C -35 6783
23	9.8	9.9W	48 35.491	0.0018	13	-37 9 9.91	-0.058	13	0.26	35.465	15	35.4	9.06	21	35.4	A0	C8	5054	C -36 6736
24	10.3		48 47.274	-0.0034	13	-36 14 52.77	-0.021	13	0.26	47.324	15	35.4	52.46	21	35.4	F5 L	C8	5055	C -35 6787
25	9.3	8.8W	48 51.908	0.0070	21	-32 9 52.41	-0.004	21	0.41	51.791	22	33.3	52.34	21	33.3	G0	C7	5307	C -31 8584
26	10.8	10.0W	48 52.797	-0.0156	23	-37 12 29.79	-0.077	23	0.38	53.025	15	35.4	28.66	21	35.4	G5 L	C8	5056	C -36 6742
27	8.6	7.6W	48 53.349	-0.0052	05	-36 41 29.55	-0.013	05	0.20	53.425	15	35.4	29.36	21	35.4	K0	C8	5057	C -36 6741
28	9.0	8.8W	48 54.907	-0.0010	21	-33 18 51.08	0.046	21	0.41	54.923	22	33.3	51.86	21	33.3	F2	C7	5308	C -32 7691
29	10.7	9.5W	48 56.905	-0.0023	21	-32 44 46.28	0.022	21	0.41	56.943	22	33.3	46.66	21	33.3	K0 L	C7	5309	C -32 7690
30	10.3	9.0W	49 5.846	-0.0027	21	-32 22 32.15	0.018	21	0.41	5.891	22	33.3	32.44	21	33.3	K2 L	C7	5310	C -31 8585
31	10.1	9.8W	49 8.482	-0.0014	08	-35 29 4.62	-0.086	08	0.22	8.504	15	35.4	3.36	21	35.4	G2 L	C8	5058	C -35 6793
32	10.2	9.8W	49 11.027	-0.0002	21	-31 25 41.03	-0.036	21	0.41	11.031	22	33.3	40.43	21	33.3	F0 L	C7	5311	C -31 8586
33	9.4	8.1W	49 12.985	0.0006	21	-34 16 19.21	-0.003	21	0.41	12.974	22	33.3	19.16	21	33.3	MA	C7	5312	C -33 7305
34	9.2	9.1W	49 13.569	-0.0098	21	-35 7 57.42	-0.016	21	0.41	13.734	22	33.3	57.15	21	33.3	F0	C7	5313	C -34 7029
35	10.5	9.5W	49 20.547	0.0004	21	-31 4 29.09	-0.046	21	0.41	20.541	22	33.3	28.33	21	33.3	G5 L	C7	5314	C -30 8774
36	10.5	10.1W	49 23.534	0.0056	21	-31 24 39.17	0.129	21	0.41	23.441	22	33.3	41.32	21	33.3	A8 L	C7	5315	C -31 8588
37	11.0	9.8W	49 23.613	-0.0017	21	-31 40 26.08	0.004	21	0.41	23.642	22	33.3	26.14	21	33.3		C7	5316	C -31 8589
38	9.9	9.5W	49 26.677	-0.0026	13	-37 2 59.70	-0.037	13	0.26	26.715	15	35.4	59.16	21	35.4	G0	C8	5059	C -36 6750
39	10.1	9.8W	49 27.226	-0.0020	23	-38 8 32.68	-0.015	23	0.38	27.255	15	35.4	32.46	21	35.4	F5 L	C8	5060	C -37 6868
40	9.7	9.2W	49 28.950	0.0126	10	-38 31 53.52	-0.127	10	0.23	28.766	15	35.4	51.66	21	35.4	G0	C8	5061	C -38 6788
41	9.6	8.9W	49 31.245	0.0027	21	-30 57 18.04	0.017	21	0.41	31.201	22	33.3	18.32	21	33.3	K0	C7	5317	C -30 8777
42		9.0R	49 47.272	-0.0060	20	-30 2 31.79	-0.000	20	0.36	47.372	16	33.3	31.78	16	33.3	F2 M	13B	7164	J -29 8673
43	9.5	8.0W	49 48.381	-0.0010	18	-38 57 50.56	-0.000	18	0.32	48.396	15	35.4	50.56	21	35.4	K2	C8	5062	C -38 6791
44	10.2	9.9W	49 54.997	-0.0135	13	-35 33 39.64	0.022	13	0.26	55.194	15	35.4	39.96	21	35.4	F0 L	C8	5063	C -35 6802
45	10.3	10.1W	49 55.778	-0.0066	13	-36 35 57.30	0.011	13	0.26	55.875	15	35.4	57.46	21	35.4	F0 L	C8	5064	C -36 6755
46	10.5	9.6W	49 57.629	-0.0001	21	-30 46 39.39	0.008	21	0.41	57.631	22	33.3	39.53	21	33.3	G5 L	C7	5318	C -30 8785
47	10.5	10.0W	50 1.348	0.0004	21	-32 17 24.83	-0.023	21	0.41	1.342	22	33.3	24.44	21	33.3		C7	5319	C -31 8596
48	10.5	10.1W	50 2.174	-0.0000	13	-36 2 14.90	-0.085	13	0.26	2.174	15	35.4	13.66	21	35.4	G2 L	C8	5065	C -35 6804
49	9.2	8.0W	50 7.925	0.0001	21	-33 23 21.22	-0.028	21	0.41	7.923	22	33.3	20.76	21	33.3	K5	C7	5320	C -32 7710
50	10.0	8.6W	50 9.903	-0.0133	13	-39 36 20.91	-0.017	13	0.26	10.097	15	35.4	20.66	21	35.4	K5	C8	5066	C -39 6742
51	10.3		10 50 11.660	-0.0044	18	-37 4 33.88	-0.022	18	0.32	11.725	15	35.4	33.56	21	35.4	F5 L	C8	5067	C -36 6757
52	11.2	10.1W	50 21.337	0.0014	21	-32 32 3.18	-0.056	21	0.41	21.313	22	33.3	2.26	21	33.3		C7	5321	C -32 7711
53		8.5R	50 33.849	-0.0015	20	-30 4 44.06	-0.019	20	0.36	33.875	16	33.3	43.75	16	33.3	A5 J	13B	7170	J -29 8683
54	9.6	8.7W	50 33.932	-0.0056	13	-36 27 9.47	-0.083	13	0.26	34.014	15	35.4	8.26	21	35.4	G5	C8	5068	C -36 6762
55	9.4	8.2W	50 38.340	-0.0001	21	-31 43 53.81	-0.016	21	0.41	38.342	22	33.3	53.54	21	33.3	K2	C7	5322	C -31 8607
56		6.8T	50 41.372	-0.0031	12	-35 13 22.00	0.004	10	0.59	41.528	18	00.0	22.20	18	97.4	B8	GC	14965	C*-34 7042
57	9.5	8.2W	50 53.810	-0.0020	21	-32 43 21.82	-0.034	21	0.41	53.843	22	33.3	21.26	21	33.3	K2	C7	5323	C -32 7720
58	9.4	9.1W	50 54.284	-0.0055	09	-37 21 20.25	-0.020	09	0.22	54.365	15	35.4	19.96	21	35.4	F8	C8	5070	C -36 6770
59	10.6	9.4W	50 55.980	-0.0055	21	-32 7 16.58	-0.044	21	0.41	56.071	22	33.3	15.84	21	33.3	G5 L	C7	5324	C -31 8608
60	9.8	9.4W	51 0.648	-0.0032	13	-36 52 57.10	-0.037	13	0.26	0.695	15	35.4	56.56	21	35.4	G2 L	C8	5071	C -36 6771
61		9.2R	51 1.191	0.0052	20	-30 2 4.62	0.002	20	0.36	1.104	16	33.3	4.66	16	33.3	G0 M	13B	7178	J -29 8687
62	10.0	8.7W	51 3.803	0.0012	23	-38 36 14.87	-0.042	23	0.38	3.786	15	35.4	14.26	21	35.4	K2 L	C8	5072	C -38 6804
63	10.2	9.2W	51 5.171	-0.0020	21	-33 43 42.41	-0.039	21	0.41	5.204	22	33.3	41.76	21	33.3	K0 L	C7	5325	C -33 7320
64	8.9	7.4W	51 17.751	0.0024	08	-38 51 23.98	-0.056	08	0.22	17.716	15	35.4	23.16	21	35.4	K0	C8	5073	C -38 6806
65	9.9	9.7W	51 19.138	-0.0045	13	-35 53 17.39	-0.036	13	0.26	19.204	15	35.4	16.86	21	35.4	F5 L	C8	5074	C -35 6815
66	10.7	9.8W	51 24.689	0.0027	21	-32 40 44.38	0.076	21	0.41	24.643	22	33.3	45.66	21	33.3	K0 L	C7	5326	C -32 7724
67		7.7T	51 26.410	0.0009	12	-32 3 36.74	-0.014	10	0.60	26.363	17	98.3	35.97	15	95.2	F2	GC	14979	C -31 8614
68	10.5	10.1W	51 28.278	-0.0043	21	-31 26 9.95	0.011	21	0.41	28.351	22	33.3	10.13	21	33.3	F5 L	C7	5328	C -31 8613
69	10.1	9.8W	51 32.146	0.0019	21	-34 25 11.34	-0.137	21	0.41	32.114	22	33.3	9.06	21	33.3	G2 L	C7	5329	C -34 7058
70	9.6	9.2W	51 34.402	0.0016	21	-34 58 16.17	-0.120	21	0.41	34.375	22	33.3	14.18	21	33.3	G	C7	5330	C -34 7059
71	10.5	9.5W	51 36.192	0.0001	21	-30 22 4.05	0.021	21	0.41	36.189	22	33.3	4.40	21	33.3	K0 L	C7	5331	C -29 8697
72	8.2	8.0W	51 36.353	0.0017	21	-34 14 57.38	-0.061	21	0.41	36.324	22	33.3	56.36	21	33.3	F2	C7	5332	C -33 7330
73		6.8T	51 37.539	-0.0127	12	-36 11 26.24	-0.011	10	0.59	38.185	19	99.3	25.64	18	96.5	F5	GC	14987	C -35 6821
74	9.6	8.7W	51 45.402	-0.0013	21	-32 31 31.45	-0.030	21	0.41	45.423	22	33.3	30.96	21	33.3	K0	C7	5333	C -32 7730
75	9.6	8.8W	51 46.814	-0.0035	18	-37 54 50.16	0.014	18	0.32	46.865	15	35.4	50.36	21	35.4	G5	C8	5076	C -37 6901
76	8.7	8.3W	51 50.445	-0.0099	21	-30 53 18.20	-0.334	21	0.41	50.611	22	33.3	12.63	21	33.3	G0	C7	5334	C -30 8807
77	9.0	8.3W	51 51.591	0.0052	06	-36 39 43.96	-0.123	06	0.20	51.515	15	35.4	42.16	21	35.4	G5	C8	5077	C -36 6781
78	9.7	8.8W	51 54.267	-0.0027	13	-39 56 35.86	-0.007	13	0.26	54.307	15	35.4	35.76	21	35.4	K0	C8	5078	C -39 6761
79	8.9	8.6W	51 56.875	-0.0090	21	-34 41 49.09	-0.049	21	0.41	57.025	22	33.3	48.27	21	33.3	G0	C7	5335	C -34 7065
80	11.1	10.0W	51 59.296	-0.0039	21	-32 14 48.35	0.030	21	0.41	59.361	22	33.3	48.84	21	33.3	G5 L	C7	5336	C -31 8621
81	10.4	8.9W	52 5.035	0.0013	21	-33 14 9.86	-0.043	21	0.41	5.013	22	33.3	9.15	21	33.3	K5 L	C7	5337	C -32 7736
82	10.3	9.4W	52 8.868	-0.0013	21	-30 12 36.86	-0.010	21	0.41	8.889	22	33.3	36.70	21	33.3	K0	C7	5338	C -29 8704
83	8.9	8.7W	52 9.844	-0.0010	21	-31 8 7.19	0.008	21	0.41	9.861	22	33.3	7.32	21	33.3	F2	C7	5339	C -30 8809
84	8.9	9.0W	52 16.009	-0.0005	13	-39 49 19.17	-0.021	13	0.26	16.017	15	35.4	18.86	21	35.4	A5	C8	5079	C -39 6766
85	10.7	9.7W	52 16.479	-0.0072	13	-35 43 23.44	-0.012	13	0.26	16.584	15	35.4	23.26	21	35.4	K2 L	C8	5080	C -35 6825
86		7.0T	52 17.138	-0.0019	11	-38 29 16.20	-0.004	09	0.60	17.238	21	96.8	15.96	19	91.2	B9	GC	15008K	C*-38 6818
87		9.2T	52 18.481	-0.0048	14	-38 28 56.58	0.003	10	0.63	18.703	21	03.5	56.73	19	99.4	A	GC	15009K	C -38 6819
88	10.3	9.3W	52 19.936	0.0009	21	-31 49 0.35	-0.024	21	0.41	19.921	22	33.3	-59.94	21	33.3	G5 L	C7	5340	C -31 8624
89	10.2	9.4W	52 23.252	-0.0029	13	-37 18 4.65	-0.040	13	0.26	23.295	15	35.4	4.06	21	35.4	K0 L	C8	5083	C -36 6788
90		7.5R	52 28.021	-0.0046	12	-30 4 7.34	0.023	12	0.25	28.098	16	33.3	7.73	16	33.3	A2 J	13B	7193	J -29 8709
91	9.2	8.8W	52 29.995	-0.0041	21	-32 56 11.67	-0.037	21	0.41	30.063	22	33.3	11.06	21	33.3	F8	C7	5341	C -32 7740
92	10.7	9.9W	52 30.490	-0.0066	21	-31 20 25.73	-0.066	21	0.41	30.601	22	33.3	24.62	21	33.3	K0 L	C7	5342	C -30 8815
93	9.5	9.4W	52 38.320	-0.0033	21	-33 36 40.66	-0.030	21	0.41	38.374	22	33.3	40.16	21	33.3	A0	C7	5343	C -33 7348
94	9.6	9.4W	52 43.054	-0.0004	21	-30 43 34.71	0.001	21	0.41	43.061	22	33.3	34.73	21	33.3	A2	C7	5344	C*-30 8818
95	9.6	8.6W	52 48.418	-0.0044	21	-31 32 7.35	-0.084	21	0.41	48.491	22	33.3	5.94	21	33.3	K0	C7	5345	C -31 8632
96	10.2	8.9W	52 55.808	-0.0013	21	-30 21 7.65	0.003	21	0.41	55.829	22	33.3	7.70	21	33.3	K2	C7	5346	C -29 8713
97	10.4	9.4W	52 58.269	-0.0015	21	-33 19 47.10	-0.027	21	0.41	58.293	22	33.3	46.66	21	33.3	G5 L	C7	5347	C -32 7746
98	9.1	8.7W	52 59.040	-0.0024	21	-31 1 7.94	0.005	21	0.41	59.081	22	33.3	8.03	21	33.3	F5	C7	5348	C -30 8823
99	7.9	8.1W	52 59.540	0.0005	13	-35 13 49.27	-0.021	13	0.26	59.533	15	35.4	48.96	21	35.4	A0	C8	5084	C -34 7078
00	10.1	9.9W	53 0.668	-0.0004	21	-33 53 36.84	-0.029	21	0.41	0.674	22	33.3	36.36	21	33.3	A2 L	C7	5349	C -33 7355

201900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 10H DM NUMBER
1	8.5	8.3W	10 53 2.724	0.0027	07	-36 34 7.39	-0.132	07	0.21	2.685	15	35.4	5.46	21	35.4	F5		C8	5085	C -36 6790
2	10.2	8.8W	53 5.726	-0.0035	21	-34 10 49.16	-0.006	21	0.41	5.784	22	33.3	49.06	21	33.3	K2	L	C7	5350	C -33 7358
3	10.9	9.4W	53 12.402	-0.0023	21	-31 29 28.33	0.012	21	0.41	12.441	22	33.3	28.53	21	33.3	K0	L	C7	5351	C -31 8634
4	11.0	9.9W	53 17.639	0.0011	21	-31 19 43.80	0.002	21	0.41	17.621	22	33.3	43.83	21	33.3	K0	L	C7	5352	C -30 8826
5	10.8		53 20.803	-0.0056	18	-38 7 16.75	0.008	18	0.32	20.885	15	35.4	16.86	21	35.4	G2	L	C8	5086	C -37 6913
6	10.0	9.4W	53 23.509	-0.0026	21	-35 9 17.79	-0.134	21	0.41	23.553	22	33.3	15.55	21	33.3	G5	L	C7	5353	C -34 7084
7	10.4	8.8W	53 25.635	-0.0013	13	-36 24 42.02	-0.059	13	0.26	25.654	15	35.4	41.16	21	35.4	K5	L	C8	5087	C -36 6796
8		7.2T	53 29.043	-0.0036	11	-31 31 8.62	0.004	11	0.59	29.225	18	99.1	8.82	18	97.9	A0		GC	15033	C#-31 8637
9	10.3	9.4W	53 30.484	-0.0022	21	-30 33 46.44	0.029	21	0.41	30.521	22	33.3	46.92	21	33.3	K2		C7	5355	C -30 8828
10	11.1	9.9W	53 31.354	0.0012	21	-32 31 39.18	-0.074	21	0.41	31.533	22	33.3	37.96	21	33.3			C7	5356	C -32 7750
11	7.8	7.3W	53 33.430	-0.0033	21	-34 50 48.46	-0.083	21	0.41	33.485	22	33.3	47.07	21	33.3	G0		C7	5357	C -34 7085
12	9.1	8.9W	53 34.137	-0.0032	21	-31 13 10.88	0.009	21	0.41	34.191	22	33.3	11.03	21	33.3	F0		C7	5358	C -30 8830
13	9.0	8.6W	53 34.247	0.0026	21	-32 47 39.03	-0.005	21	0.41	34.203	22	33.3	38.96	21	33.3	F5		C7	5359	C -32 7751
14	11.0	10.3W	53 37.468	-0.0004	21	-33 38 45.98	-0.013	21	0.41	37.474	22	33.3	45.76	21	33.3	G5	L	C7	5360	C -33 7363
15	11.2		53 40.293	-0.0042	13	-35 45 17.12	-0.059	13	0.26	40.354	15	35.4	16.26	21	35.4	G5	L	C8	5088	C -35 6842
16	10.0	10.0W	53 43.123	-0.0035	09	-36 15 38.16	-0.048	09	0.22	43.174	15	35.4	37.46	21	35.4	F5	L	C8	5089	C -35 6844
17	9.7	8.5W	53 50.553	-0.0037	13	-39 48 54.15	-0.013	13	0.26	50.607	15	35.4	53.96	21	35.4	K5		C8	5090	C -39 6789
18	10.8		53 51.998	-0.0053	18	-38 41 17.59	-0.029	18	0.32	52.076	15	35.4	17.16	21	35.4	G5	L	C8	5091	C -38 6837
19	10.1	9.6W	53 55.729	-0.0011	23	-37 2 33.83	-0.046	23	0.38	55.745	15	35.4	33.16	21	35.4	F5	L	C8	5092	C -36 6800
20	9.7	9.5W	54 3.672	-0.0035	21	-30 41 23.74	-0.013	21	0.41	3.731	22	33.3	23.52	21	33.3	F5		C7	5361	C -30 8833
21	10.8	10.1W	54 7.775	-0.0004	21	-32 5 25.52	-0.070	21	0.41	7.782	22	33.3	24.34	21	33.3	G5	L	C7	5362	C -31 8643
22	8.9	8.4W	54 10.601	-0.0056	21	-34 17 49.29	0.052	21	0.41	10.694	22	33.3	50.16	21	33.3	G5		C7	5363	C -33 7370
23	9.2	8.8W	54 18.964	-0.0123	06	-36 18 51.04	0.070	06	0.20	19.144	15	35.4	52.06	21	35.4	G0		C8	5093	C -35 6849
24	9.4	9.2W	54 19.455	-0.0076	21	-32 21 31.08	-0.002	21	0.41	19.581	22	33.3	31.04	21	33.3	A0		C7	5364	C -31 8649
25	10.1	9.8W	54 20.867	-0.0067	18	-38 0 17.39	0.060	18	0.32	20.965	15	35.4	18.26	21	35.4	F8	L	C8	5094	C -37 6930
26	9.0	9.1W	54 20.874	-0.0012	21	-33 16 4.45	-0.012	21	0.41	20.893	22	33.3	4.26	21	33.3	A0		C7	5365	C -32 7765
27		4.7H	54 22.976	0.0064	03	-36 52 6.90	-0.133	02	0.10	22.752	04	14.9	1.82	04	11.8	K0		F4	414	C -36 6808
28	9.9	8.8W	54 25.802	0.0029	21	-33 4 8.70	-0.015	21	0.41	25.753	22	33.3	8.46	21	33.3	K5		C7	5366	C -32 7766
29		7.3T	54 29.634	-0.0060	12	-30 56 11.59	-0.058	13	0.68	29.934	18	99.9	8.57	19	97.7	F0		GC	15052	C -30 8839
30	9.4	9.1W	54 30.635	-0.0058	21	-32 17 20.35	0.006	21	0.41	30.731	22	33.3	20.44	21	33.3	A0		C7	5368	C -31 8651
31	10.7	10.0W	54 33.210	0.0005	21	-32 13 17.47	-0.073	21	0.41	33.201	22	33.3	16.24	21	33.3			C7	5369	C -31 8654
32	8.8	8.6W	54 37.217	-0.0053	13	-38 29 12.43	0.009	13	0.26	37.295	15	35.4	12.56	21	35.4	F0		C8	5096	C -38 6842
33	10.7	9.7W	54 40.840	-0.0016	13	-35 30 15.55	-0.006	13	0.26	40.864	15	35.4	15.46	21	35.4	K0	L	C8	5097	C -35 6852
34	8.3	8.2W	54 49.310	-0.0031	21	-31 45 58.00	-0.075	21	0.41	49.361	22	33.3	56.74	21	33.3	A3		C7	5370	C -31 8660
35	9.9	9.6W	54 50.103	-0.0096	21	-33 1 29.93	0.079	21	0.41	50.263	22	33.3	31.25	21	33.3	G0	L	C7	5371	C -32 7771
36	11.0	9.8W	54 50.615	-0.0040	13	-36 17 34.10	-0.037	13	0.26	50.674	15	35.4	33.56	21	35.4	K2	L	C8	5098	C -35 6853
37	9.8	8.3W	54 52.494	-0.0055	13	-35 56 54.44	-0.053	13	0.26	52.574	15	35.4	53.66	21	35.4	K5		C8	5099	C -35 6855
38	10.4	9.3W	54 54.652	-0.0023	21	-30 17 39.16	0.038	21	0.41	54.689	22	33.3	39.80	21	33.3			C7	5372	C -29 8737
39	10.6	10.2W	54 57.283	-0.0174	21	-33 14 15.10	-0.009	21	0.41	57.573	22	33.3	14.95	21	33.3	F8	L	C7	5373	C -32 7773
40	10.1	9.2W	55 0.891	0.0148	21	-33 12 55.57	-0.115	21	0.41	0.643	22	33.3	53.66	21	33.3	K0	L	C7	5374	C -32 7774
41	9.4	9.0W	55 0.915	-0.0000	09	-37 27 21.95	-0.013	09	0.22	0.915	15	35.4	21.76	21	35.4	G5		C8	5100	C -37 6936
42	10.2	9.3W	55 1.847	-0.0026	18	-37 28 7.97	-0.014	18	0.32	1.885	15	35.4	7.76	21	35.4			C8	5101	C -37 6937
43		8.1T	55 9.994	-0.0031	11	-37 34 29.15	0.004	09	0.58	10.159	19	96.7	29.38	18	92.0	A2		GC	15060	C -37 6938
44	9.8	8.8W	55 17.770	-0.0037	21	-31 38 55.33	-0.017	21	0.41	17.831	22	33.3	55.04	21	33.3	K2		C7	5375	C -31 8664
45	8.3	8.3W	55 29.639	-0.0030	13	-35 22 24.64	-0.005	13	0.26	29.684	15	35.4	24.56	21	35.4	A5		C8	5104	C#-34 7104
46	9.8	9.4W	55 44.517	-0.0044	21	-30 52 53.39	-0.034	21	0.41	44.591	22	33.3	52.82	21	33.3	F5	L	C7	5376	C -30 8854
47	8.5	8.8W	55 45.697	0.0010	13	-35 17 47.85	-0.040	13	0.26	45.683	15	35.4	47.26	21	35.4	A0		C8	5105	C -34 7109
48	11.1	10.2W	55 47.517	0.0009	21	-31 54 42.48	0.004	21	0.41	47.502	22	33.3	42.54	21	33.3			C7	5377	C -31 8670
49	8.2	8.3W	55 48.076	-0.0054	18	-38 26 43.93	-0.032	18	0.32	48.155	15	35.4	43.46	21	35.4	A2		C8	5106	C -38 6857
50	9.7	9.4W	55 49.713	-0.0089	21	-31 31 27.80	0.015	21	0.41	49.861	22	33.3	28.04	21	33.3	F5		C7	5378	C -31 8671
51	8.3	7.9W	10 55 50.660	-0.0084	06	-35 23 56.75	0.076	06	0.20	50.784	15	35.4	57.86	21	35.4	G0		C8	5107	C -35 6865
52	8.1	8.0W	55 51.352	-0.0041	21	-31 17 34.16	-0.020	21	0.41	51.421	22	33.3	33.83	21	33.3	F0		C7	5379	C -30 8855
53	8.1	8.0W	55 51.639	-0.0049	21	-31 17 43.88	-0.021	21	0.41	51.721	22	33.3	43.53	21	33.3	F0		C7	5380	C -30 8855
54	9.4	8.8W	55 54.613	0.0001	21	-32 19 55.83	-0.017	21	0.41	54.611	22	33.3	55.54	21	33.3	G5		C7	5381	C -31 8673
55	9.9	9.0W	55 57.542	-0.0009	13	-36 52 58.25	-0.020	13	0.26	57.555	15	35.4	57.96	21	35.4	K0		C8	5108	C -36 6833
56	11.2	9.7W	56 6.414	-0.0024	21	-32 30 43.43	-0.023	21	0.41	6.453	22	33.3	43.06	21	33.3			C7	5382	C -32 7790
57	10.1	9.6W	56 6.718	-0.0026	21	-31 50 33.10	0.027	21	0.41	6.761	22	33.3	33.54	21	33.3	G5	L	C7	5383	C -31 8675
58	10.6	9.6W	56 8.245	0.0001	13	-36 24 58.20	-0.057	13	0.26	8.244	15	35.4	57.36	21	35.4	K0	L	C8	5109	C -36 6836
59	9.3	9.2W	56 12.560	-0.0006	21	-30 46 9.74	0.017	21	0.41	12.571	22	33.3	10.03	21	33.3	F0		C7	5384	C -30 8857
60	9.1	8.6W	56 14.403	-0.0030	08	-39 39 37.85	-0.088	08	0.22	14.447	15	35.4	36.56	21	35.4	G5		C8	5110	C -39 6817
61	11.0	10.0W	56 16.987	-0.0012	13	-37 8 25.63	-0.032	13	0.26	17.005	15	35.4	25.16	21	35.4	K0	L	C8	5111	C -36 6838
62		7.5T	56 17.645	0.0034	16	-37 56 12.23	-0.077	11	0.71	17.485	22	02.9	8.14	21	97.0	K0		GC	15081	C#-37 6947
63	10.5	10.1W	56 21.271	-0.0036	13	-35 56 37.60	-0.009	13	0.26	21.324	15	35.4	37.46	21	35.4	K0	L	C8	5113	C -35 6874
64	10.5	9.6W	56 22.694	-0.0028	13	-37 15 47.66	-0.000	13	0.26	22.735	15	35.4	47.66	21	35.4	K0	L	C8	5114	C -36 6839
65	10.1	9.6W	56 23.104	-0.0061	13	-35 19 4.38	-0.056	13	0.26	23.193	15	35.4	3.56	21	35.4	G0	L	C8	5115	C -34 7116
66	10.5	9.5W	56 23.608	-0.0114	23	-37 12 15.71	-0.017	23	0.38	23.775	15	35.4	15.46	21	35.4	K2	L	C8	5116	C -36 6840
67		8.6T	56 29.816	-0.0003	18	-37 1 27.39	-0.020	20	0.89	29.829	24	05.0	26.48	22	04.6	K2		GC	15086	C -36 6841
68	10.2	9.2W	56 35.770	-0.0003	21	-34 13 18.98	-0.007	21	0.41	35.774	22	33.3	18.86	21	33.3	G5	L	C7	5385	C -33 7395
69	10.1	9.8W	56 36.689	-0.0058	09	-36 13 55.87	-0.014	09	0.22	36.774	15	35.4	55.66	21	35.4	F2	L	C8	5118	C -35 6877
70	10.3	9.9W	56 39.231	-0.0002	23	-35 50 44.18	-0.118	23	0.38	39.234	15	35.4	42.46	21	35.4	G0	L	C8	5119	C -35 6878
71	10.3		56 41.307	-0.0005	23	-35 50 46.28	-0.111	23	0.38	41.314	15	35.4	44.66	21	35.4	G0	L	C8	5120	C -35 6878
72		8.1T	56 42.926	-0.0026	13	-34 36 28.16	0.001	11	0.64	43.052	17	01.3	28.19	18	97.8	B9		GC	15088K	C -34 7121
73	8.7	7.7W	56 44.878	-0.0016	21	-34 5 58.26	0.042	21	0.41	44.904	22	33.3	58.96	21	33.3	K0		C7	5387	C -33 7398
74	9.3	9.1W	56 46.391	-0.0008	21	-34 2 15.38	-0.019	21	0.41	46.404	22	33.3	15.06	21	33.3	F0	L	C7	5388	C -33 7399
75	8.0	8.1W	56 49.204	-0.0055	13	-36 14 6.60	-0.003	13	0.26	49.284	15	35.4	6.56	21	35.4	A3		C8	5121	C -35 6879
76		5.8T	56 51.925	0.0010	07	-33 28 6.07	-0.047	05	0.30	51.878	10	03.9	3.65	12	98.8	F0		GC	15094K	C#-33 7401
77	10.0	9.6W	56 59.836	-0.0041	21	-34 42 5.22	-0.027	21	0.41	59.905	22	33.3	4.77	21	33.3	G0	L	C7	5390	C -34 7124
78	10.5	9.4W	57 4.509	0.0031	13	-36 1 29.56	-0.075	13	0.26	4.464	15	35.4	28.46	21	35.4	K2	L	C8	5122	C -35 6862
79	11.1	10.2W	57 5.998	-0.0016	21	-34 11 37.91	-0.021	21	0.41	6.024	22	33.3	37.56	21	33.3			C7	5391	C -33 7403
80	10.4	10.2W	57 7.616	-0.0029	21	-33 58 9.24	0.007	21	0.41	7.664	22	33.3	9.36	21	33.3	A8	L	C7	5392	C -33 7404
81	10.9	9.3W	57 7.806	-0.0014	13	-39 33 9.93	-0.018	13	0.26	7.827	15	35.4	9.66	21	35.4	K5	L	C8	5123	C -39 6827
82	10.9		57 9.118	0.0003	13	-36 8 17.56	-0.034	13	0.26	9.114	15	35.4	17.06	21	35.4	K0	L	C8	5124	C -35 6863
83	8.5	7.7W	57 11.432	-0.0013	21	-32 48 24.45	0.030	21	0.41	11.453	22	33.3	24.96	21	33.3	K0		C7	5393	C -32 7803
84	9.9	9.5W	57 13.084	-0.0048	21	-32 46 32.50	-0.039	21	0.41	13.163	22	33.3	31.86	21	33.3			C7	5394	C -32 7804
85	10.1	9.8W	57 13.474	-0.0028	21	-30 41 55.68	0.027	21	0.41	13.521	22	33.3	56.13	21	33.3	F5	L	C7	5395	C -30 8873
86	11.2	10.0W	57 13.684	0.0006	21	-33 16 24.03	0.073	21	0.41	13.673	22	33.3	25.26	21	33.3	G5	L	C7	5396	C -32 7805
87	10.0	9.5W	57 13.817	0.0040	21	-31 5 28.93	0.006	21	0.41	13.751	22	33.3	29.03	21	33.3	G0	L	C7	5397	C -30 8874
88	8.5	8.6W	57 18.301	-0.0023	18	-38 11 23.56	-0.041	18	0.32	18.335	15	35.4	22.96	21	35.4	A0		C8	5125	C -37 6962
89	9.2	8.3W	57 19.858	-0.0002	21	-31 58 18.58	0.016	21	0.41	19.862	22	33.3	18.84	21	33.3	K0		C7	5398	C -31 8689
90	10.1	10.0W	57 25.409	-0.0046	18	-39 5 35.36	-0.034	18	0.32	25.476	15	35.4	34.86	21	35.4	A8	L	C8	5126	C -38 6870
91		7.4T	57 25.801	-0.0049	13	-34 52 28.94	0.003	10	0.61	26.043	18	00.4	29.08	18	96.0	F0		GC	15110	C#-34 7131
92	10.4	8.9W	57 27.485	0.0009	21	-30 38 28.39	-0.040	21	0.41	27.471	22	33.3	27.72	21	33.3	K2	L	C7	5400	C -30 8877
93	9.6	8.7W	57 35.688	0.0009	09	-37 39 2.81	-0.003	09	0.22	35.675	15	35.4	2.76	21	35.4	K0		C8	5127	C -37 6967
94	9.5	9.0W	57 36.275	-0.0022	21	-32 3 34.89	-0.015	21	0.41	36.311	22	33.3	34.64	21	33.3	G5		C7	5401	C -31 8692
95	10.9		57 41.253	-0.0001	18	-37 1 4.85	-0.020	18	0.32	41.255	15	35.4	4.56	21	35.4	G0	L	C8	5128	C -36 6858
96	10.1	9.3W	57 59.455	-0.0143	21	-32 30 *9.54	-0.107	21	0.41	59.693	22	33.3	37.76	21	33.3	K0		C7	5402	C -32 7815
97	10.7	10.0W	58 17.198	-0.0011	13	-36 29 43.27	0.013	13	0.26	17.214	15	35.4	43.46	21	35.4	G5	L	C8	5131	C -36 6865
98		6.2T	58 18.109	-0.0085	11	-31 34 19.27	0.101	07	0.50	18.439	15	99.1	24.82	14	95.0	G0		GC	15131	C -31 8696
99	10.7	10.2W	58 21.767	-0.0020	21	-30 26 55.23	-0.014	21	0.41	21.799	22	33.3	55.00	21	33.3	G0	L	C7	5414	C -30 8887
00	9.8	9.4W	58 25.664	-0.0089	13	-36 25 44.23	0.009	13	0.26	25.794	15	35.4	44.36	21	35.4	F8	L	C8	5132	C -36 6867

202000 - EPOCH 1950 — ORIGINAL EPOCH — -30° 10H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.0	8.7W	10 58 26.556	-0.0017	21	-34 33 53.65	-0.017	21	0.41	26.585	22	33.3	53.37	21	33.3	K0		C7	5405	C -34 7143
2	8.7	8.4W	58 29.886	0.0009	13	-35 17 28.91	-0.010	13	0.26	29.874	15	35.4	28.76	21	35.4	F8		C8	5133	C -34 7144
3	9.2	8.4W	58 32.204	-0.0030	21	-34 41 30.92	-0.009	21	0.41	32.255	22	33.3	30.77	21	33.3	K0		C7	5406	C -34 7145
4	10.1	9.7W	58 32.246	-0.0027	21	-32 19 25.77	-0.001	21	0.41	32.291	22	33.3	25.74	21	33.3	F2	L	C7	5407	C -31 8698
5	10.1	9.0W	58 35.354	-0.0012	21	-34 31 55.66	-0.023	21	0.41	35.375	22	33.3	55.28	21	33.3	K0	L	C7	5408	C -34 7146
6	10.6	9.4W	58 37.460	-0.0025	21	-31 31 57.33	-0.029	21	0.41	37.502	22	33.3	56.84	21	33.3	K2	L	C7	5409	C -31 8699
7	10.2	9.5W	58 46.485	-0.0113	21	-32 49 42.70	-0.027	21	0.41	46.673	22	33.3	42.26	21	33.3	G2	L	C7	5410	C -32 7830
8	10.2	9.0W	58 54.450	-0.0002	21	-33 16 8.95	-0.018	21	0.41	54.453	22	33.3	8.66	21	33.3	K2		C7	5411	C -32 7833
9	10.8	9.7W	58 57.175	-0.0033	21	-31 26 15.84	-0.043	21	0.41	57.231	22	33.3	15.12	21	33.3	K0	L	C7	5412	C -31 8703
10	9.6	9.5W	59 3.328	-0.0002	21	-32 7 40.51	-0.010	21	0.41	3.331	22	33.3	40.34	21	33.3	A0		C7	5413	C -31 8704
11	9.3	9.1W	59 5.398	-0.0002	21	-31 47 24.78	-0.008	21	0.41	5.402	22	33.3	24.64	21	33.3	A0		C7	5414	C -31 8705
12	9.7	9.5W	59 7.730	-0.0024	13	-36 45 14.78	-0.015	13	0.26	7.765	15	35.4	14.56	21	35.4	F5	L	C8	5135	C -36 6881
13	10.1	9.9W	59 7.965	-0.0034	13	-36 37 54.03	-0.039	13	0.26	8.015	15	35.4	53.46	21	35.4	A3	L	C8	5136	C -36 6880
14	10.4	9.9W	59 9.950	-0.0102	21	-31 27 48.56	0.028	21	0.41	10.121	22	33.3	49.03	21	33.3	G0	L	C7	5415	C -31 8708
15	9.0	8.9W	59 19.688	0.0030	09	-37 26 34.80	-0.057	09	0.22	19.645	15	35.4	33.96	21	35.4	F5		C8	5137	C -37 6988
16	9.9	9.7W	59 20.437	-0.0060	18	-37 38 52.36	-0.000	18	0.32	20.525	15	35.4	52.36	21	35.4	F2	L	C8	5138	C -37 6989
17	8.6	8.2W	59 21.603	-0.0151	21	-33 38 16.17	-0.107	21	0.41	21.854	22	33.3	17.96	21	33.3	G0		C7	5416	C -33 7435
18	10.5		59 22.426	-0.0040	13	-37 9 11.21	-0.024	13	0.26	22.485	15	35.4	10.86	21	35.4	F5	L	C8	5139	C -36 6885
19	10.4		59 24.245	-0.0027	18	-38 25 39.21	-0.017	18	0.32	24.285	15	35.4	38.96	21	35.4	F0	L	C8	5140	C -38 6885
20	10.0	9.9W	59 39.379	-0.0004	13	-37 2 36.19	-0.043	13	0.26	39.385	15	35.4	35.56	21	35.4	A2	L	C8	5141	C -36 6889
21		7.8T	59 40.336	-0.0006	12	-37 33 51.28	0.001	12	0.64	40.305	18	99.9	51.33	19	96.7	K5		GC	15163	C*-37 6993
22	10.5	9.9W	59 41.852	-0.0029	13	-36 35 45.38	-0.166	13	0.26	41.895	15	35.4	42.96	21	35.4	G8	L	C8	5143	C -36 6888
23	10.1		59 44.187	-0.0073	13	-35 50 5.26	0.082	13	0.26	44.294	15	35.4	6.46	21	35.4	F5	L	C8	5144	C -35 6913
24	10.3	9.8W	59 58.772	-0.0063	13	-36 11 16.47	-0.028	13	0.26	58.864	15	35.4	16.06	21	35.4	K1	L	C8	5145	C -35 6916
25	9.1	9.2W	11 0 2.279	-0.0025	18	-38 56 2.03	-0.025	18	0.32	2.316	15	35.4	1.66	21	35.4	A0		C8	5146	C -38 6894
26	10.2	9.9W	0 2.931	-0.0063	13	-35 24 44.57	-0.192	13	0.26	3.023	15	35.4	41.76	21	35.4	K0	L	C8	5147	C -35 6917
27	9.8	8.8W	0 4.372	-0.0022	13	-35 58 18.85	-0.013	13	0.26	4.404	15	35.4	18.66	21	35.4	K0	L	C8	5148	C -35 6921
28	10.5	9.6W	0 10.606	-0.0010	21	-31 55 14.56	-0.007	21	0.41	10.622	22	33.3	14.44	21	33.3	G5	L	C7	5417	C -31 8718
29	9.7	9.6W	0 12.647	-0.0026	13	-37 55 31.74	-0.019	13	0.26	12.685	15	35.4	31.46	21	35.4	F8		C8	5149	C -37 6996
30	8.8	8.6W	0 15.313	-0.0064	13	-39 49 59.64	0.036	13	0.26	15.407	15	35.4	+ 0.16	21	35.4	F5		C8	5150	C -39 6867
31	9.2	9.1W	0 16.295	-0.0014	07	-38 57 4.72	-0.011	07	0.21	16.316	15	35.4	4.56	21	35.4	A5		C8	5151	C -38 6896
32	10.7	9.2W	0 16.540	-0.0009	21	-34 47 40.94	-0.022	21	0.41	16.525	22	33.3	40.57	21	33.3	K5	L	C7	5418	C -34 7160
33	9.6	9.2W	0 20.692	-0.0132	08	-37 16 40.07	-0.021	08	0.22	20.885	15	35.4	39.76	21	35.4	G5	L	C8	5152	C -36 6898
34	10.7		0 26.469	-0.0038	13	-37 2 42.15	-0.040	13	0.26	26.525	15	35.4	41.56	21	35.4	F5	L	C8	5153	C -36 6902
35	10.6	9.9W	0 27.657	-0.0053	21	-34 48 13.89	-0.043	21	0.41	27.745	22	33.3	13.18	21	33.3	K0	L	C7	5419	C -34 7161
36	11.1	10.0W	0 42.259	-0.0007	21	-31 13 30.66	0.016	21	0.41	42.271	22	33.3	30.93	21	33.3			C7	5420	C -30 8916
37	10.1	9.0W	0 49.345	-0.0027	13	-35 33 6.13	-0.046	13	0.26	49.384	15	35.4	5.46	21	35.4	K0	L	C8	5154	C -35 6935
38	9.5	9.3W	0 51.802	-0.0013	21	-30 26 58.28	0.013	21	0.41	51.779	22	33.3	58.50	21	33.3	F5		C7	5421	C -30 8920
39		6.5T	0 52.864	-0.0026	06	-31 41 27.16	-0.030	06	0.30	52.987	12	02.3	25.61	12	98.3	M0		GC	15192	C -31 8726
40	10.9	9.6W	0 57.731	-0.0016	13	-36 32 11.65	-0.020	13	0.26	57.755	15	35.4	11.36	21	35.4			C8	5155	C -36 6907
41	11.4		1 6.883	-0.0083	13	-36 3 53.67	0.061	13	0.26	7.004	15	35.4	54.56	21	35.4			C8	5156	C -35 6937
42	10.2	9.9W	1 10.584	-0.0046	21	-30 53 37.04	0.006	21	0.41	10.661	22	33.3	37.12	21	33.3	F8	L	C7	5423	C -30 8925
43	10.1	9.1W	1 10.885	0.0006	13	-38 45 11.25	-0.006	13	0.26	10.876	15	35.4	11.16	21	35.4	K1	L	C8	5157	C -38 6904
44	9.4	8.8W	1 11.213	-0.0056	18	-38 7 52.50	0.025	18	0.32	11.295	15	35.4	52.86	21	35.4	G5		C8	5158	C -37 7006
45	10.0	9.5W	1 12.831	-0.0069	21	-34 39 55.41	-0.014	21	0.41	12.945	22	33.4	55.18	21	33.4	G5	L	C7	5424	C -34 7171
46	9.5	8.7W	1 12.915	0.0001	13	-36 23 37.76	-0.034	13	0.26	12.914	15	35.4	37.26	21	35.4	K0		C8	5159	C -35 6938
47	8.9	9.0W	1 24.312	-0.0067	21	-33 26 39.47	-0.019	21	0.41	24.423	22	33.4	39.16	21	33.4	A0		C7	5425	C -33 7463
48		7.3T	1 30.332	-0.0019	15	-33 10 27.93	-0.033	10	0.65	30.421	17	02.0	26.21	18	98.1	K0		GC	15211	C -32 7860
49	10.1	8.6W	1 32.129	-0.0013	21	-31 17 14.90	-0.080	21	0.41	32.151	22	33.4	16.23	21	33.4	K5		C7	5427	C -30 8928
50	11.2	9.9W	1 38.515	-0.0003	21	-30 52 44.41	-0.011	21	0.41	38.521	22	33.4	44.23	21	33.4	G5	L	C7	5428	C -30 8930
51	9.9	9.0W	11 1 43.123	-0.0011	21	-32 19 7.74	-0.054	21	0.41	43.141	22	33.4	6.84	21	33.4	K0		C7	5429	C -31 8735
52	10.9	10.3W	1 49.360	-0.0060	21	-30 14 12.05	0.075	21	0.41	49.459	22	33.4	13.30	21	33.4			C7	5430	C -29 8830
53	8.8	8.6W	1 53.659	0.0010	13	-36 34 11.70	-0.064	13	0.26	53.645	15	35.4	10.76	21	35.4	A2		C8	5162	C -36 6923
54	10.9	10.1W	1 53.821	-0.0032	21	-32 47 15.13	0.001	21	0.41	53.873	22	33.4	15.16	21	33.4			C7	5431	C -32 7866
55		7.1T	1 55.023	-0.0071	15	-36 27 6.99	-0.000	08	0.64	55.375	19	00.2	6.98	18	97.0	A2		GC	15222	C -36 6924
56	9.2	9.1W	1 56.855	-0.0004	21	-31 42 31.85	-0.000	21	0.41	56.861	22	33.4	31.84	21	33.4	A0		C7	5432	C -31 8740
57	9.2	7.7W	2 5.884	-0.0036	09	-39 33 2.87	0.027	09	0.22	5.937	15	35.4	3.26	21	35.4	K5		C8	5164	C -39 6886
58	8.8	7.7W	2 8.795	0.0003	21	-30 34 18.96	0.010	21	0.41	8.791	22	33.4	19.13	21	33.4	K2		C7	5433	C -30 8936
59	10.6	9.8W	2 12.680	-0.0065	18	-38 19 9.77	0.013	18	0.32	12.775	15	35.4	9.96	21	35.4	K0	L	C8	5165	C -37 7016
60	10.8	9.5W	2 13.929	-0.0033	21	-33 5 27.56	-0.037	21	0.41	13.983	22	33.4	26.96	21	33.4	K0	L	C7	5434	C -32 7869
61	9.5	9.1W	2 18.707	-0.0045	21	-31 48 23.36	-0.007	21	0.41	18.781	22	33.4	23.24	21	33.4	F5		C7	5435	C -31 8743
62	9.6	9.5W	2 21.305	-0.0020	05	-35 32 21.02	-0.059	05	0.20	21.334	15	35.4	20.16	21	35.4	F5	L	C8	5166	C -35 6953
63	10.4	10.0W	2 21.819	-0.0052	08	-36 41 39.26	-0.055	08	0.22	21.895	15	35.4	38.46	21	35.4	G2	L	C8	5167	C -36 6928
64	9.2	8.9W	2 23.486	0.0001	21	-33 37 52.24	-0.005	21	0.41	23.484	22	33.4	52.17	21	33.4	F5		C7	5436	C -33 7478
65	10.7	9.6W	2 27.402	-0.0078	21	-31 56 18.19	-0.099	21	0.41	27.532	22	33.4	16.54	21	33.4	G5	L	C7	5437	C -31 8746
66	8.2	8.5W	2 31.283	-0.0049	18	-37 26 1.00	-0.016	18	0.32	31.355	15	35.4	0.76	21	35.4	A0		C8	5168	C -37 7019
67		5.5T	2 32.153	-0.0025	07	-35 32 4.92	0.002	07	0.31	32.257	12	07.4	5.00	14	05.7	A0		GC	15238	C -35 6954
68	10.9		2 34.827	-0.0183	23	-36 17 3.86	-0.048	23	0.38	35.094	15	35.4	3.16	21	35.4	G8	L	C8	5170	C -35 6955
69	10.0	9.4W	2 38.163	-0.0048	13	-35 20 7.08	-0.008	13	0.26	38.234	15	35.4	6.96	21	35.4	K0	L	C8	5171	C -34 7189
70	9.4	9.3W	2 39.526	-0.0033	08	-35 36 32.16	-0.007	08	0.22	39.574	15	35.4	32.06	21	35.4	A3		C8	5172	C -35 6956
71	9.4	9.2W	2 44.931	-0.0000	21	-31 54 20.71	-0.040	21	0.41	44.932	22	33.4	20.04	21	33.4	A2		C7	5438	C -31 8747
72	10.6	8.9W	2 45.661	0.0009	21	-34 59 47.81	0.028	21	0.41	45.645	22	33.4	48.27	21	33.4	K5	L	C7	5439	C -34 7191
73		7.4T	2 48.127	-0.0028	11	-30 9 56.23	0.000	10	0.61	48.275	18	97.3	56.26	18	95.1	K2		GC	15242	C*-29 8840
74	9.5	9.5W	2 54.113	0.0002	21	-30 15 48.07	0.026	21	0.41	54.109	22	33.4	48.50	21	33.4	F5	L	C7	5441	C -29 8841
75	10.2	10.0W	2 54.191	-0.0044	21	-33 28 34.70	-0.027	21	0.41	54.263	22	33.4	34.26	21	33.4	F2	L	C7	5442	C -33 7485
76	9.5	9.3W	2 54.429	-0.0015	21	-32 48 42.67	0.023	21	0.41	54.453	22	33.4	43.06	21	33.4	F8		C7	5443	C -32 7874
77	11.2	9.9W	2 56.399	-0.0007	21	-30 33 29.68	0.009	21	0.41	56.411	22	33.4	29.83	21	33.4			C7	5444	C -30 8944
78	10.0	9.7W	3 8.988	-0.0046	21	-34 22 3.21	-0.033	21	0.41	9.064	22	33.4	2.67	21	33.4	F8	L	C7	5445	C -33 7487
79	9.1	7.8W	3 21.192	-0.0042	13	-35 12 7.50	-0.023	13	0.26	21.254	15	35.4	7.16	21	35.4	K2		C8	5174	C -34 7198
80	8.9	9.0W	3 27.898	-0.0060	18	-39 16 53.42	-0.038	18	0.32	27.986	15	35.4	52.86	21	35.4	A0		C8	5175	C -38 6926
81	9.6	9.3W	3 29.606	-0.0023	21	-33 58 43.26	0.018	21	0.41	29.644	22	33.4	43.56	21	33.4	G0		C7	5446	C -33 7492
82	9.5	8.0W	3 30.716	-0.0047	06	-37 39 32.15	-0.006	06	0.20	30.785	15	35.4	32.06	21	35.4	K5		C8	5177	C -37 7027
83	9.9	8.6W	3 34.148	-0.0038	13	-35 16 52.48	-0.008	13	0.26	34.204	15	35.4	52.36	21	35.4	K2		C8	5178	C -34 7202
84	9.9	9.7W	3 37.603	-0.0042	13	-35 50 17.47	-0.021	13	0.26	37.664	15	35.4	17.16	21	35.4	F2	L	C8	5179	C -35 6966
85	9.6	9.3W	3 39.542	-0.0038	10	-39 33 20.07	0.006	10	0.23	39.597	15	35.4	20.16	21	35.4	F8		C8	5180	C -39 6900
86	10.4	9.8W	3 41.836	-0.0059	21	-33 3 56.33	-0.095	21	0.41	41.933	22	33.4	54.76	21	33.4	G5	L	C7	5447	C -32 7885
87		9.0R	3 44.495	-0.0020	20	-30 1 1.51	0.002	20	0.35	44.527	16	33.8	1.55	16	33.8	K0	M	138	7312	J -29 8854
88	9.7	9.0W	3 51.391	0.0009	21	-34 36 24.16	-0.066	21	0.41	51.375	22	33.4	23.07	21	33.4	K0		C7	5448	C -34 7207
89	10.5	9.7W	3 56.536	-0.0040	13	-36 52 46.06	-0.007	13	0.26	56.595	15	35.4	45.96	21	35.4	K0	L	C8	5181	C -36 6950
90	10.0	8.8W	3 56.549	-0.0007	21	-30 49 42.46	0.016	21	0.41	56.561	22	33.4	42.73	21	33.4	K0	L	C7	5449	C -30 8955
91	10.2	9.8W	3 56.935	-0.0144	08	-36 46 39.11	-0.085	08	0.22	57.145	15	35.4	37.86	21	35.4	G5	L	C8	5182	C -36 6951
92	10.6	9.5W	3 59.874	0.0110	13	-35 28 38.08	-0.056	13	0.26	59.713	15	35.4	37.26	21	35.4	K5	L	C8	5183	C -35 6972
93	10.9	10.1W	4 1.158	-0.0014	21	-32 22 31.56	-0.061	21	0.41	1.181	22	33.4	30.54	21	33.4	G5	L	C7	5450	C -31 8764
94	8.8	8.5W	4 2.937	-0.0016	21	-33 28 38.00	-0.009	21	0.41	2.963	22	33.4	37.86	21	33.4	F8		C7	5451	C -33 7499
95	11.1	9.7W	4 19.217	0.0010	21	-30 58 1.46	0.016	21	0.41	19.201	22	33.4	1.73	21	33.4			C7	5452	C -30 8962
96		6.6T	4 27.808	-0.0026	11	-30 16 59.22	-0.039	10	0.59	27.945	18	97.5	57.10	18	95.0	K0		GC	15286	C -29 8865
97	10.5	10.1W	4 34.729	-0.0094	21	-34 14 53.36	-0.018	21	0.41	34.884	22	33.4	53.07	21	33.4	G5	L	C7	5454	C -33 7504
98	9.3	9.1W	4 36.294	-0.0041	13	-35 36 31.23	-0.046	13	0.26	36.354	15	35.4	30.56	21	35.4	F0		C8	5185	C -35 6978
99	11.0	9.5W	4 43.291	-0.0029	13	-35 14 43.55	-0.054	13	0.26	43.333	15	35.4	42.76	21	35.4	K0	L	C8	5186	C -34 7215
00		6.6T	4 44.888	-0.0066	12	-32 18 56.72	-0.056	11	0.62	45.218	19	99.9	53.82	18	98.2	F5		GC	15296	C -31 8776

202100

NUMBER	MAGNITUDES m_{pg}	m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	STAR NUMBER
1	9.6	9.5W	11 4 45.011	-0.0072	13	-39 19 21.40	-0.003	13	0.26	45.116	15	35.4	21.36	21	35.4	F5		C8	5187
2	9.1	7.5W	4 49.272	-0.0025	21	-33 17 2.07	0.011	21	0.41	49.313	22	33.4	2.26	21	33.4	K5		C7	5456
3	11.1	9.8W	4 52.311	-0.0027	21	-34 50 8.17	0.006	21	0.41	52.355	22	33.4	8.28	21	33.4			C7	5457
4	9.6	9.4W	4 53.797	-0.0050	21	-30 13 46.80	0.060	21	0.41	53.879	22	33.4	49.80	21	33.4	F5	L	C7	5458
5	10.4	10.0W	4 56.549	-0.0052	13	-37 0 24.21	-0.024	13	0.26	56.625	15	35.4	25.86	21	35.4	F8	L	C8	5188
6	10.0	9.3W	4 58.787	-0.0115	08	-37 6 24.41	-0.058	08	0.22	58.955	15	35.4	23.56	21	35.4	G5	L	C8	5189
7	10.6		5 2.954	-0.0089	13	-36 7 39.55	0.049	13	0.26	3.084	15	35.4	40.26	21	35.4	F5	L	C8	5190
8	9.7	8.9W	5 6.218	-0.0046	21	-33 52 32.43	0.020	21	0.41	6.294	22	33.4	32.77	21	33.4	K0		C7	5459
9	9.3	9.2W	5 12.624	-0.0084	13	-39 56 11.13	-0.018	13	0.26	12.747	15	35.4	10.86	21	35.4	A0		C8	5191
10	10.4	9.2W	5 13.639	-0.0021	21	-33 17 27.73	0.031	21	0.41	13.673	22	33.4	28.26	21	33.4	K0	L	C7	5460
11	10.7		5 20.162	-0.0064	18	-38 47 11.05	0.001	18	0.32	20.256	15	35.4	11.06	21	35.4	F8	L	C8	5192
12	10.0	10.2W	5 24.317	-0.0008	21	-30 26 22.45	0.033	21	0.41	24.329	22	33.4	23.00	21	33.4	F0	L	C7	5461
13	10.4		5 26.519	-0.0067	13	-39 56 48.46	-0.007	13	0.26	26.617	15	35.4	48.36	21	35.4	F0	L	C8	5193
14	10.5		5 29.394	-0.0041	18	-36 8 58.56	-0.034	18	0.32	29.454	15	35.4	58.06	21	35.4	F0	L	C8	5194
15		7.4T	5 30.302	0.0002	10	-38 8 11.20	-0.003	11	0.58	30.292	19	98.3	11.04	19	97.8	K2		GC	15310
16	11.2		5 31.290	-0.0037	30	-36 19 13.67	-0.028	30	0.47	31.344	15	35.4	13.26	21	35.4			C8	5196
17	10.3	8.8W	5 44.737	-0.0040	13	-39 24 59.66	-0.034	13	0.26	44.796	15	35.4	59.16	21	35.4	K1	L	C8	5197
18	10.3	9.1W	5 47.411	-0.0030	13	-38 12 35.93	-0.046	13	0.26	47.455	15	35.4	35.26	21	35.4	K2	L	C8	5198
19	8.0	8.2W	5 50.477	-0.0021	21	-32 23 3.85	-0.012	21	0.41	50.512	22	33.4	3.64	21	33.4	A0		C7	5462
20	9.4	8.4W	5 51.353	-0.0011	21	-31 48 55.82	0.008	21	0.41	51.372	22	33.4	55.94	21	33.4	G5		C7	5463
21	8.3	8.5W	5 53.658	-0.0010	21	-34 2 16.89	-0.044	21	0.41	53.674	22	33.4	16.16	21	33.4	A0		C7	5464
22	9.0	8.2W	5 3.584	-0.0018	21	-33 29 16.65	-0.024	21	0.41	3.613	22	33.4	16.26	21	33.4	K0		C7	5465
23	11.0	9.6W	6 8.679	-0.0017	13	-36 15 9.96	-0.041	13	0.26	8.704	15	35.4	9.36	21	35.4	K0	L	C8	5199
24	8.7	8.9W	6 17.283	-0.0009	13	-39 13 43.14	-0.005	13	0.26	17.296	15	35.4	43.06	21	35.4			C8	5200
25		7.1T	6 18.296	-0.0022	09	-39 12 3.94	0.012	09	0.39	18.388	14	07.9	4.44	14	07.5	A0		GC	15324
26	10.1	8.7W	6 19.105	-0.0009	21	-30 29 54.82	0.065	21	0.41	19.119	22	33.4	55.90	21	33.4	K5	L	C7	5466
27	10.9		6 19.380	-0.0023	23	-36 9 19.84	-0.026	23	0.38	19.414	15	35.4	19.46	21	35.4	G0	L	C8	5202
28	10.0	9.0W	6 22.146	-0.0024	21	-34 36 38.09	-0.013	21	0.41	22.185	22	33.4	37.88	21	33.4	K0	L	C7	5467
29	8.8	8.3W	6 23.398	-0.0010	21	-34 8 1.18	0.005	21	0.41	23.414	22	33.4	1.27	21	33.4	G0		C7	5468
30	9.6	9.3W	6 26.105	-0.0022	21	-31 46 58.85	-0.006	21	0.41	26.142	22	33.4	58.74	21	33.4	A0		C7	5469
31	10.6	9.9W	6 27.210	0.0006	21	-30 46 28.43	0.042	21	0.41	27.201	22	33.4	29.12	21	33.4	K0	L	C7	5470
32	9.5	9.1W	6 29.127	-0.0026	21	-30 37 22.79	0.002	21	0.41	29.171	22	33.4	22.83	21	33.4	F8	L	C7	5471
33	10.7		6 29.404	-0.0082	08	-35 32 17.96	-0.034	08	0.22	29.524	15	35.4	17.46	21	35.4	G2	L	C8	5203
34	10.6		6 30.181	-0.0043	30	-36 8 24.26	-0.048	30	0.47	30.244	15	35.4	25.56	21	35.4	G0	L	C8	5204
35	9.8	9.7W	6 30.912	0.0001	21	-30 39 43.13	-0.000	21	0.41	30.911	22	33.4	43.13	21	33.4			C7	5472
36	9.3	8.8W	6 33.067	0.0004	21	-31 3 21.89	-0.070	21	0.41	33.061	22	33.4	20.72	21	33.4	G0		C7	5473
37	10.7	10.2W	6 33.947	0.0004	21	-30 52 29.93	0.060	21	0.41	33.941	22	33.4	30.93	21	33.4	G0	L	C7	5474
38	10.5	9.2W	6 42.475	-0.0024	21	-34 16 49.58	0.035	21	0.41	42.514	22	33.4	50.17	21	33.4			C7	5475
39		8.9R	6 44.659	-0.0033	20	-30 4 29.98	-0.005	20	0.35	44.712	16	33.8	29.91	16	33.8	F8	M	13B	7348
40	10.5	9.3W	6 51.917	-0.0003	21	-31 58 28.70	-0.039	21	0.41	51.962	22	33.4	28.04	21	33.4	G5	L	C7	5476
41	10.0	9.8W	6 54.150	-0.0006	21	-31 20 53.51	0.007	21	0.41	54.161	22	33.4	53.62	21	33.4	A8	L	C7	5477
42	10.6	9.8W	6 58.184	-0.0068	13	-35 12 44.18	-0.008	13	0.26	58.283	15	35.4	44.06	21	35.4	K0	L	C8	5205
43	9.6	9.5W	7 9.055	-0.0034	21	-32 14 22.88	-0.008	21	0.41	9.111	22	33.4	22.74	21	33.4	F2	L	C7	5478
44	10.2	9.3W	7 14.007	0.0044	21	-32 46 33.76	-0.061	21	0.41	13.933	22	33.4	32.76	21	33.4	K0	L	C7	5479
45	10.6	9.4W	7 18.177	-0.0015	21	-32 22 21.57	-0.001	21	0.41	18.202	22	33.4	21.54	21	33.4	K0	L	C7	5480
46	9.2	8.3W	7 19.826	0.0051	21	-32 3 17.39	-0.045	21	0.41	19.741	22	33.4	16.64	21	33.4	K0		C7	5481
47	9.8	9.5W	7 21.476	-0.0060	13	-35 36 34.21	-0.031	13	0.26	21.564	15	35.4	33.76	21	35.4	F5	L	C8	5206
48	8.6	8.9W	7 24.116	-0.0028	21	-35 7 59.32	-0.014	21	0.41	24.163	22	33.4	59.55	21	33.4	A0		C7	5482
49		5.8T	7 28.923	0.0016	06	-32 5 44.39	-0.033	05	0.26	28.854	09	07.4	42.87	09	04.0	A2		GC	15350
50	10.7	9.7W	7 29.707	-0.0025	13	-35 57 40.53	-0.025	13	0.26	29.744	15	35.4	40.16	21	35.4	K0	L	C8	5208
51	9.9	9.0W	11 7 31.193	-0.0043	18	-38 55 20.73	0.016	18	0.32	31.256	15	35.4	20.96	21	35.4	K0	L	C8	5209
52	10.2	8.8W	7 42.532	0.0012	09	-37 49 58.52	-0.045	09	0.22	42.515	15	35.4	57.86	21	35.4	K0	L	C8	5210
53	9.5	8.6W	7 44.902	0.0108	07	-38 5 22.24	-0.170	07	0.21	44.745	15	35.4	19.76	21	35.4	K0	L	C8	5211
54	10.7	9.7W	7 46.793	-0.0042	13	-37 6 37.14	-0.060	13	0.26	46.855	15	35.4	36.26	21	35.4	K0	L	C8	5212
55	9.7	9.8W	7 47.724	-0.0035	18	-37 27 5.23	0.002	18	0.32	47.775	15	35.4	5.26	21	35.4	A5	L	C8	5213
56	9.2	8.7W	7 49.185	-0.0006	13	-35 43 39.23	-0.025	13	0.26	49.194	15	35.4	38.86	21	35.4	F8		C8	5214
57	10.2	9.2W	7 51.252	-0.0030	21	-32 8 56.48	0.004	21	0.41	51.302	22	33.4	56.54	21	33.4	K0	L	C7	5484
58	10.9	9.7W	7 53.180	-0.0017	13	-36 48 6.38	0.006	13	0.26	53.205	15	35.4	6.46	21	35.4	K0	L	C8	5215
59	9.1	8.2W	7 54.658	-0.0039	21	-35 7 32.76	-0.036	21	0.41	54.723	22	33.4	32.15	21	33.4	K0		C7	5485
60	10.9	10.0W	7 57.055	0.0012	21	-33 32 15.69	-0.026	21	0.41	57.034	22	33.4	15.26	21	33.4	K0	L	C7	5486
61		7.4T	7 58.359	-0.0044	14	-35 49 26.82	-0.010	10	0.66	58.571	19	01.2	26.28	19	96.6	M0		GC	15360
62	9.5	9.3W	8 0.635	-0.0068	13	-37 8 43.18	-0.042	13	0.26	0.735	15	35.4	42.56	21	35.4	F5	L	C8	5218
63	9.9	8.2W	8 7.273	-0.0008	09	-36 9 7.23	0.002	09	0.22	7.295	15	35.4	7.26	21	35.4	K2		C8	5219
64	9.0	8.6W	8 9.159	-0.0019	21	-30 10 58.56	0.014	21	0.41	9.189	22	33.4	58.80	21	33.4	F2		C7	5487
65		7.3T	8 10.386	-0.0047	10	-32 17 33.05	-0.019	08	0.51	10.623	17	99.3	32.02	17	96.2	F5		GC	15363K
66	10.4	9.4W	8 22.302	-0.0016	21	-31 56 37.17	0.023	21	0.41	22.331	22	33.4	37.54	21	33.4	K0	L	C7	5489
67	9.7	9.6W	8 26.530	-0.0002	21	-32 44 9.60	0.033	21	0.41	26.533	22	33.4	10.15	21	33.4	F2	L	C7	5490
68	9.9	9.5W	8 28.926	0.0009	21	-32 26 2.51	-0.004	21	0.41	28.911	22	33.4	2.44	21	33.4	F8	L	C7	5491
69	9.7	8.5W	8 30.130	0.0004	08	-36 27 7.25	0.001	08	0.22	30.124	15	35.4	7.26	21	35.4	K5		C8	5220
70	10.1	9.1W	8 30.169	-0.0019	21	-31 22 27.84	-0.007	21	0.41	30.201	22	33.4	27.73	21	33.4	K0	L	C7	5492
71	10.2	10.1W	8 38.428	-0.0113	21	-34 38 51.89	0.059	21	0.41	38.615	22	33.4	52.87	21	33.4	F5	L	C7	5493
72		7.8T	8 38.725	-0.0033	18	-35 57 13.69	-0.032	12	0.77	38.880	21	03.6	12.12	21	01.4	F5		GC	15373
73	10.1	9.5W	8 39.040	-0.0045	21	-33 50 10.92	-0.076	21	0.41	39.114	22	33.4	9.67	21	33.4			C7	5494
74	10.8	9.7W	8 39.835	-0.0022	21	-32 4 23.13	-0.011	21	0.41	39.871	22	33.4	22.94	21	33.4	K0	L	C7	5495
75	10.2	10.1W	8 46.735	0.0007	21	-32 52 30.32	-0.022	21	0.41	46.723	22	33.4	29.96	21	33.4	F8	L	C7	5496
76	9.0	9.3W	8 50.310	-0.0081	21	-34 11 38.39	-0.032	21	0.41	50.444	22	33.4	37.86	21	33.4	A0		C7	5497
77	10.5	9.1W	8 51.113	-0.0014	13	-36 16 32.21	-0.051	13	0.26	51.134	15	35.4	31.46	21	35.4	K2	L	C8	5223
78	9.3	9.0W	8 53.728	-0.0018	13	-37 8 21.52	-0.052	13	0.26	53.755	15	35.4	20.76	21	35.4	F2	L	C8	5224
79	10.7	9.8W	8 55.528	-0.0046	13	-37 3 27.02	-0.086	13	0.26	55.595	15	35.4	25.76	21	35.4	G5	L	C8	5225
80	10.7	9.3W	9 1.300	-0.0000	21	-31 7 0.95	0.035	21	0.41	1.301	22	33.4	1.52	21	33.4	K0	L	C7	5498
81	10.1	8.9W	9 1.899	0.0002	13	-38 56 42.97	-0.014	13	0.26	1.896	15	35.4	42.76	21	35.4	K0	L	C8	5226
82	9.7	9.6W	9 4.571	0.0006	21	-32 11 22.11	-0.064	21	0.41	4.561	22	33.4	21.04	21	33.4	F5	L	C7	5499
83	9.1	9.1W	9 7.581	-0.0002	21	-33 44 24.70	-0.087	21	0.41	7.584	22	33.4	23.26	21	33.4	A2		C7	5500
84	10.3	10.1W	9 8.000	-0.0049	21	-32 18 1.08	-0.038	21	0.41	8.081	22	33.4	0.44	21	33.4	F0	L	C7	5501
85		10.1W	9 9.037	-0.0039	21	-31 52 30.54	0.103	21	0.41	9.101	22	33.4	32.24	21	33.4	G5	L	C7	5502
86	9.8	8.2W	9 11.938	-0.0038	13	-35 13 19.01	-0.044	13	0.26	11.994	15	35.4	18.36	21	35.4	K5		C8	5227
87	11.0	10.2W	9 13.703	0.0002	21	-30 23 44.70	-0.012	21	0.41	13.699	22	33.4	44.50	21	33.4	K	L	C7	5503
88	10.4	10.1W	9 20.332	-0.0035	21	-30 28 36.95	-0.015	21	0.41	20.389	22	33.4	36.70	21	33.4	K	L	C7	5504
89	8.5	8.3W	9 25.266	-0.0036	21	-34 32 46.02	-0.033	21	0.41	25.325	22	33.4	45.48	21	33.4	F5		C7	5505
90			9 26.902	-0.0078	09	-39 8 52.99	-0.009	09	0.22	27.016	15	35.4	52.86	21	35.4	G0		C8	5229X
91	9.3	9.0W	9 27.005	-0.0063	13	-39 49 48.80	-0.003	13	0.26	27.097	15	35.4	48.76	21	35.4	F8		C8	5230
92	10.0	10.1W	9 32.517	-0.0047	21	-34 10 47.97	-0.031	21	0.41	32.594	22	33.4	47.46	21	33.4	F0	L	C7	5506
93	10.8	9.9W	9 38.585	0.0031	21	-32 42 30.08	-0.020	21	0.41	38.533	22	33.4	29.76	21	33.4	G5	L	C7	5507
94	10.6	8.9W	9 40.276	-0.0060	13	-35 53 28.91	-0.044	13	0.26	40.364	15	35.4	28.26	21	35.4	K5	L	C8	5231
95	10.0	9.8W	9 44.714	-0.0007	18	-37 18 17.41	-0.003	18	0.32	44.725	15	35.4	17.36	21	35.4	A5	L	C8	5232
96	10.3	9.6W	9 45.884	-0.0260	09	-35 31 53.61	-0.010	09	0.22	46.264	15	35.4	53.46	21	35.4	G8	L	C8	5233
97		6.5H	9 49.955	0.0016	04	-32 9 42.91	0.004	03	0.13	49.905	08	18.8	43.02	06	21.2	M0		F4	1290
98	10.2	9.5W	9 51.121	-0.0311	23	-37 18 22.42	-0.367	23	0.38	51.575	15	35.4	17.06	21	35.4	K0	L	C8	5234
99	11.3		9 56.519	-0.0031	23	-36 43 33.35	-0.013	23	0.38	56.565	15	35.4	33.16	21	35.4			C8	5235
00	10.5	9.7W	9 58.792	0.0013	21	-31 3 57.73	0.048	21	0.41	58.771	22	33.4	58.53	21	33.4	G2	L	C7	5509

-30° 11H

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202200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1	10.0W	11 10 0.118	-0.0014	21	-31 44 54.58	-0.020	21	0.41	0.142	22	33.4	54.24	21	33.4	A2 L	C7	5510	C -31 8849
2	9.9	9.5W	10 5.514	-0.0016	21	-31 1 54.63	-0.018	21	0.41	5.541	22	33.4	54.33	21	33.4	G0 L	C7	5511	C -30 9026
3	8.7	8.4W	10 5.625	0.0027	21	-30 51 45.82	-0.072	21	0.41	5.581	22	33.4	44.63	21	33.4	F5	C7	5512	C -30 9025
4		7.8T	10 12.456	0.0009	13	-35 7 48.72	-0.001	12	0.65	12.412	17	00.6	48.66	18	98.8	A2	GC	15408	C -34 7286
5	9.9	9.5W	10 20.189	0.0003	10	-38 14 43.15	-0.013	10	0.23	20.185	15	35.4	42.96	21	35.4	F5 L	C8	5236	C -37 7097
6	10.4	9.2W	10 20.458	-0.0032	13	-37 6 34.73	-0.039	13	0.26	20.505	15	35.4	34.16	21	35.4	K0 L	C8	5237	C -36 7038
7	10.8	9.6W	10 26.967	0.0016	21	-31 11 15.22	-0.048	21	0.41	26.941	22	33.4	14.43	21	33.4		C7	5514	C -30 9031
8	10.9	9.4W	10 28.085	-0.0015	21	-30 25 32.75	0.033	21	0.41	28.109	22	33.4	33.30	21	33.4		C7	5515	C -30 9030
9	8.9	8.5W	10 28.673	0.0234	21	-34 8 2.61	-0.081	21	0.41	28.284	22	33.4	1.27	21	33.4	G0	C7	5516	C -33 7566
10	10.3	8.9W	10 36.402	0.0011	21	-34 46 36.63	-0.046	21	0.41	36.385	22	33.4	35.88	21	33.4	K2 L	C7	5517	C -34 7292
11	9.6	8.7W	10 46.310	-0.0010	13	-38 14 48.94	0.043	13	0.26	46.325	15	35.4	49.56	21	35.4	G5	C8	5239	C -37 7103
12	9.6	9.0W	10 46.836	-0.0179	21	-33 0 13.18	-0.032	21	0.41	47.133	22	33.4	12.66	21	33.4	G5	C7	5518	C -32 7942
13	10.4	9.5W	10 51.149	-0.0013	21	-30 19 32.15	0.057	21	0.41	51.169	22	33.4	33.10	21	33.4	K0 L	C7	5519	C -29 8920
14	9.1	8.2W	10 59.116	-0.0005	21	-33 40 39.12	-0.034	21	0.41	59.124	22	33.4	38.56	21	33.4	K0	C7	5520	C -33 7572
15	9.8	9.8W	11 0.184	-0.0035	13	-37 10 40.15	-0.047	13	0.26	0.235	15	35.4	39.46	21	35.4	A2 L	C8	5240	C -36 7044
16	10.1	9.1W	11 4.240	-0.0053	13	-39 39 10.68	-0.022	13	0.26	4.317	15	35.4	10.36	21	35.4	K0 L	C8	5241	C -39 6979
17	9.1	8.9W	11 13.131	-0.0009	18	-38 29 20.65	-0.006	18	0.32	13.145	15	35.4	20.56	21	35.4	F8	C8	5242	C -38 7004
18	10.8	9.8W	11 17.124	-0.0022	21	-31 11 16.16	-0.002	21	0.41	17.161	22	33.4	16.13	21	33.4		C7	5521	C -30 9037
19	9.7	9.2W	11 19.369	-0.0065	13	-36 22 47.64	-0.019	13	0.26	19.464	15	35.4	47.36	21	35.4	F8 L	C8	5243	C -35 7068
20	9.8	9.1W	11 26.971	-0.0092	21	-32 59 9.63	-0.035	21	0.41	27.123	22	33.4	9.06	21	33.4	G5	C7	5522	C -32 7949
21	10.0	9.5W	11 31.739	-0.0013	21	-30 32 36.33	0.066	21	0.41	31.761	22	33.4	37.43	21	33.4	G0 L	C7	5523	C -30 9040
22	10.0	8.7W	11 34.962	0.0006	21	-32 30 42.46	-0.031	21	0.41	34.953	22	33.4	41.96	21	33.4	K5	C7	5524	C -32 7950
23	10.0	8.4W	11 42.797	0.0010	21	-31 6 1.76	-0.026	21	0.41	42.781	22	33.4	1.33	21	33.4	K5	C7	5525	C -30 9042
24	9.6	8.6W	11 46.217	-0.0016	21	-32 42 28.85	-0.006	21	0.41	46.243	22	33.4	28.76	21	33.4	K2	C7	5526	C -32 7954
25	9.3	8.0W	11 50.133	-0.0019	21	-34 21 35.17	-0.037	21	0.41	50.164	22	33.4	34.56	21	33.4	K5	C7	5527	C -33 7584
26	10.1	9.8W	11 50.355	0.0015	13	-35 22 37.50	-0.064	13	0.26	50.333	15	35.4	36.56	21	35.4	G2 L	C8	5246	C -34 7301
27	9.5	9.2W	11 53.694	-0.0103	09	-35 58 48.30	0.066	09	0.22	53.844	15	35.4	49.26	21	35.4	G5	C8	5247	C -35 7075
28	9.2	7.5W	11 59.166	-0.0012	21	-34 42 30.28	-0.043	21	0.41	59.185	22	33.4	29.57	21	33.4	K5	C7	5528	C -34 7305
29	9.1	8.9W	12 1.172	-0.0053	21	-30 19 21.25	0.015	21	0.41	1.259	22	33.4	21.50	21	33.4	F0	C7	5529	C -29 8939
30	10.0	9.3W	12 3.766	0.0025	21	-33 33 7.91	-0.063	21	0.41	3.724	22	33.4	6.86	21	33.4	K0 L	C7	5530	C -33 7586
31	8.8	8.6W	12 4.128	-0.0052	13	-36 0 46.07	-0.028	13	0.26	4.204	15	35.4	45.66	21	35.4	A3	C8	5248	C -35 7078
32	10.6	9.0W	12 8.932	-0.0029	13	-36 43 51.21	-0.065	13	0.26	8.975	15	35.4	50.26	21	35.4	K5 L	C8	5249	C -36 7062
33	9.9	8.5W	12 11.053	-0.0013	21	-33 57 54.36	-0.018	21	0.41	11.074	22	33.4	54.06	21	33.4	K5	C7	5531	C -33 7588
34	10.0	9.9W	12 16.798	-0.0038	13	-35 49 8.51	-0.058	13	0.26	16.854	15	35.4	7.66	21	35.4	A5	C8	5251	C -35 7081
35	9.9	8.7W	12 18.133	0.0020	13	-35 50 26.40	-0.051	13	0.26	18.104	15	35.4	25.66	21	35.4	K2	C8	5252	C -35 7082
36		8.9R	12 22.811	-0.0024	17	-30 2 16.97	0.010	17	0.31	22.849	16	33.8	17.14	16	33.8	A7 M	133B	7417	J -29 8944
37	11.0	9.7W	12 23.495	-0.0000	13	-36 46 59.06	-0.041	13	0.26	23.495	15	35.4	58.46	21	35.4	K0 L	C8	5253	C -36 7065
38	10.5	9.2W	12 30.779	-0.0067	13	-39 34 55.55	0.008	13	0.26	30.877	15	35.4	55.66	21	35.4	K0 L	C8	5254	C -39 6991
39	10.1	8.8W	12 37.285	0.0015	21	-30 45 57.55	0.017	21	0.41	37.261	22	33.4	57.83	21	33.4	K5	C7	5532	C -30 9056
40		7.0T	12 37.942	-0.0122	12	-33 2 44.80	0.047	11	0.61	38.566	18	98.7	47.33	18	96.0	F2	GC	15462	C*-32 7964
41	9.0	8.7W	12 39.173	-0.0050	18	-39 3 31.41	-0.024	18	0.32	39.246	15	35.4	31.06	21	35.4	A0	C8	5255	C -38 7019
42	10.5	9.0W	12 45.829	-0.0017	13	-36 29 34.62	0.003	13	0.26	45.854	15	35.4	34.66	21	35.4	K0 L	C8	5257	C -36 7070
43		6.7T	12 45.835	0.0011	13	-39 12 14.14	-0.000	12	0.69	45.780	22	00.2	14.13	21	98.0	A0	GC	15468K	C*-38 7022
44	10.8	9.9W	12 48.636	-0.0053	21	-33 3 32.48	-0.050	21	0.41	48.723	22	33.4	31.66	21	33.4		C7	5534	C -32 7965
45	9.5	9.3W	12 49.742	-0.0050	18	-38 10 52.69	-0.009	18	0.32	49.815	15	35.4	52.56	21	35.4	F5 L	C8	5258	C -37 7120
46		7.8T	12 52.323	0.0011	15	-38 10 8.55	-0.037	12	0.73	52.268	22	01.2	6.58	19	96.8	F5	GC	15470	C -37 7121
47	9.4	9.3W	13 2.233	0.0018	21	-35 2 38.13	-0.107	21	0.41	2.204	22	33.4	36.35	21	33.4	F8 L	C7	5535	C -34 7321
48	9.5	9.4W	13 6.277	-0.0027	21	-31 33 43.03	-0.017	21	0.41	8.321	22	33.4	42.74	21	33.4	F	C7	5536	C -31 8876
49	9.7	9.4W	13 9.606	-0.0011	21	-33 15 26.50	-0.027	21	0.41	9.623	22	33.4	26.06	21	33.4	G0 L	C7	5537	C -32 7970
50		7.5T	13 10.597	-0.0027	14	-37 59 7.65	-0.026	12	0.73	10.741	26	96.7	6.24	19	96.0	K0	GC	15482	C -37 7126
51	8.6	8.2W	11 13 11.022	-0.0076	06	-35 14 22.97	-0.035	06	0.20	11.134	15	35.4	22.46	21	35.4	F5	C8	5261	C -34 7324
52	10.2	9.9W	13 17.441	-0.0048	21	-31 1 0.88	-0.033	21	0.41	17.521	22	33.4	0.33	21	33.4	G0 L	C7	5538	C -30 9064
53	10.1	9.1W	13 21.939	-0.0017	13	-35 57 26.12	-0.059	13	0.26	21.964	15	35.4	25.26	21	35.4	G5 L	C8	5262	C -35 7091
54		7.2T	13 26.796	-0.0142	13	-39 3 11.14	0.185	12	0.69	27.504	22	00.1	20.80	21	97.7	G5	GC	15493	C -38 7027
55	8.5	8.3W	13 27.004	0.0002	21	-30 34 29.81	0.025	21	0.41	27.001	22	33.4	30.23	21	33.4	F0	C7	5539	C -30 9065
56	9.8	9.7W	13 27.637	-0.0039	13	-35 58 14.48	-0.008	13	0.26	27.694	15	35.4	14.36	21	35.4		C8	5264	C -35 7092
57	9.6	8.5W	13 30.200	0.0011	21	-32 25 36.18	-0.002	21	0.41	30.182	22	33.4	36.14	21	33.4	K5	C7	5540	C -32 7976
58	9.7	8.0W	13 32.471	-0.0002	13	-36 2 27.18	-0.015	13	0.26	32.474	15	35.4	26.96	21	35.4	MA	C8	5265	C -35 7093
59	8.6	8.7W	13 33.962	-0.0030	21	-32 5 50.16	-0.019	21	0.41	34.011	22	33.4	49.84	21	33.4	A3	C7	5541	C -31 8883
60	9.8	10.0W	13 34.899	-0.0001	21	-31 1 3.69	0.008	21	0.41	34.901	22	33.4	3.83	21	33.4	A0	C7	5542	C -30 9067
61	10.3	9.5W	13 43.559	-0.0031	21	-30 31 22.36	0.046	21	0.41	43.611	22	33.4	23.13	21	33.4	G5 L	C7	5543	C -30 9068
62	9.5	9.4W	13 44.520	-0.0015	21	-33 52 55.98	-0.031	21	0.41	44.544	22	33.4	55.47	21	33.4	F2 L	C7	5544	C -33 7604
63		8.6T	13 49.003	-0.0055	20	-37 33 12.24	-0.003	12	0.79	49.252	22	04.8	12.08	21	99.0	A5	GC	15504	C -37 7130
64	10.4	9.4W	13 51.973	-0.0035	21	-32 17 17.78	-0.008	21	0.41	52.031	22	33.4	17.64	21	33.4	K0 L	C7	5545	C -31 8886
65	10.2	8.6W	13 53.223	-0.0008	09	-37 56 40.58	-0.022	09	0.22	53.235	15	35.4	40.26	21	35.4	K2	C8	5267	C -37 7131
66		6.8T	13 55.096	-0.0046	15	-34 23 41.68	-0.002	12	0.68	55.318	19	02.3	41.56	18	99.5	A2	GC	15507	C*-33 7605
67	10.5	9.8W	13 55.556	-0.0065	21	-33 27 52.28	0.016	21	0.41	55.663	22	33.4	52.56	21	33.4	G5 L	C7	5547	C -33 7606
68	9.9	9.4W	14 4.033	-0.0062	13	-35 35 15.93	-0.135	13	0.26	4.124	15	35.4	13.96	21	35.4	G5 L	C8	5268	C -35 7097
69	10.0	9.8W	14 5.714	-0.0059	21	-31 53 36.71	-0.094	21	0.41	5.812	22	33.4	35.14	21	33.4	F5 L	C7	5548	C -31 8890
70	10.6	9.9W	14 6.393	-0.0022	21	-30 18 31.81	-0.007	21	0.41	6.429	22	33.4	31.70	21	33.4	K0 L	C7	5549	C -29 8965
71	10.3	10.0W	14 10.157	-0.0061	18	-38 36 42.51	-0.017	18	0.32	10.246	15	35.4	42.26	21	35.4	F2 L	C8	5269	C -38 7034
72	9.2	9.1W	14 15.189	-0.0031	18	-37 24 16.76	-0.000	18	0.32	15.235	15	35.4	16.76	21	35.4	A0	C8	5270	C -36 7088
73	9.0	7.9W	14 21.249	0.0014	21	-34 49 37.84	-0.046	21	0.41	21.225	22	33.4	37.08	21	33.4	K0	C7	5550	C -34 7337
74	10.3	9.4W	14 22.935	-0.0015	21	-31 1 1.01	-0.011	21	0.41	22.961	22	33.4	0.82	21	33.4	K0 L	C7	5551	C -30 9074
75	10.7	9.7W	14 29.040	-0.0015	21	-33 34 39.36	0.024	21	0.41	29.064	22	33.4	39.77	21	33.4	K0 L	C7	5552	C -33 7611
76		6.9T	14 29.551	-0.0017	11	-38 7 34.26	-0.002	10	0.60	29.638	18	98.5	34.14	19	94.0	K0	GC	15515	C -37 7142
77	9.7	9.3W	14 30.676	-0.0053	13	-35 16 2.98	-0.008	13	0.26	30.754	15	35.4	2.86	21	35.4	F5 L	C8	5272	C -34 7338
78		7.0T	14 32.788	-0.0016	17	-34 39 15.30	-0.019	13	0.77	32.864	19	02.1	14.32	19	99.1	K0	GC	15518	C -34 7339
79	9.9	9.8W	14 39.593	-0.0062	21	-34 52 40.37	-0.006	21	0.41	39.695	22	33.4	40.27	21	33.4	F5 L	C7	5554	C -34 7340
80	10.8	9.2W	14 39.744	-0.0028	13	-36 33 59.50	0.011	13	0.26	39.785	15	35.4	59.66	21	35.4	K5 L	C8	5273	C -36 7092
81	10.0	8.6W	14 39.838	-0.0016	21	-34 5 8.58	-0.007	21	0.41	39.864	22	33.4	8.47	21	33.4	K5	C7	5555	C -33 7616
82	10.7	9.8W	14 44.569	-0.0019	21	-31 4 51.56	-0.002	21	0.41	44.601	22	33.4	51.52	21	33.4	K0 L	C7	5556	C -30 9079
83		6.2T	14 48.384	-0.0078	13	-37 44 28.51	0.006	11	0.67	48.770	21	00.4	28.82	21	97.2	A0	GC	15523	C -37 7146
84	9.7	9.7W	14 54.005	-0.0020	13	-36 32 4.79	-0.009	13	0.26	54.035	15	35.4	4.66	21	35.4	A0 L	C8	5275	C -36 7094
85	10.6	9.0W	14 54.408	0.0008	13	-39 49 42.80	-0.009	13	0.26	54.397	15	35.4	42.66	21	35.4	K2 L	C8	5276	C -39 7017
86	10.8	10.0W	15 7.002	-0.0041	21	-31 9 14.28	0.057	21	0.41	7.071	22	33.4	15.23	21	33.4	G5 L	C7	5557	C -30 9084
87	8.7	8.2W	15 12.398	-0.0210	06	-38 6 27.47	0.027	06	0.20	12.705	15	35.4	27.86	21	35.4	G5	C8	5277	C -37 7152
88		6.9T	15 13.504	0.0066	10	-33 16 8.30	-0.325	08	0.41	13.228	15	08.3	53.76	15	05.3	F8	GC	15529	C*-32 7996
89		6.5T	15 14.149	-0.0008	12	-34 27 50.03	-0.002	08	0.56	14.191	18	99.8	49.90	15	96.8	F2	GC	15530	C -34 7345
90	10.4	10.3W	15 18.783	-0.0031	21	-33 54 22.88	-0.019	21	0.41	18.834	22	33.4	22.56	21	33.4	F2 L	C7	5560	C -33 7624
91		6.6T	15 18.869	-0.0067	12	-36 15 40.85	0.022	12	0.66	19.209	19	99.0	42.02	18	96.1	K0	GC	15534	C*-35 7111
92	10.2	9.5W	15 21.448	-0.0020	21	-32 19 28.71	-0.022	21	0.41	21.481	22	33.4	28.34	21	33.4		C7	5561	C -31 8901
93	9.0	8.8W	15 28.552	-0.0029	13	-37 6 31.40	-0.064	13	0.26	28.595	15	35.4	30.46	21	35.4	A5	C8	5279	C -36 7101
94	8.4	8.1W	15 31.411	-0.0037	13	-36 55 23.68	-0.026	13	0.26	31.465	15	35.4	24.06	21	35.4	F8	C8	5280	C -36 7102
95	10.4	8.6W	15 33.614	-0.0014	13	-37 30 31.14	-0.005	13	0.26	33.635	15	35.4	31.06	21	35.4	K5 L	C8	5281	C -37 7155
96	8.6	8.3W	15 34.484	-0.0185	06	-36 19 15.91	-0.154	06	0.20	34.754	15	35.4	13.66	21	35.4	G0	C8	5282	C -35 7113
97	10.4	10.2W	15 40.563	-0.0055	21	-34 17 2.77	0.084	21	0.41	40.654	22	33.4	4.17	21	33.4	F8 L	C7	5562	C -33 7629
98	8.7	8.4W	15 42.708	-0.0044	21	-31 2 15.50	0.020	21	0.41	42.781	22	33.4	15.83	21	33.4	G0	C7	5563	C -30 9091
99	8.4	7.4W	15 43.029	-0.0025	21	-31 28 41.68	-0.033	21	0.41	43.071	22	33.4	41.13	21	33.4	K0	C7	5564	C -31 8908
00		10.1W	15 44.989	-0.0021	21	-32 34 45.82	0.014	21	0.41	45.023	22	33.4	46.06	21	33.4		C7	5565	C -32 8000

202300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 11H DM NUMBER
1	8.9	8.8W	11 15 45.905	-0.0013	13	-36 9 35.55	-0.047	13	0.26	45.924	15	35.4	34.86	21	35.4	A5	C8	5283	C -35 7114
2	10.0	8.7W	15 47.216	-0.0102	07	-37 56 29.27	0.013	07	0.21	47.365	15	35.4	29.46	21	35.4	K5	C8	5284	C -37 7159
3	10.5	9.9W	15 48.418	-0.0011	13	-36 28 45.70	0.052	13	0.26	48.434	15	35.4	46.46	21	35.4	F5 L	C8	5285	C -36 7104
4	9.5	8.1W	15 50.296	0.0008	13	-37 22 52.80	-0.030	13	0.26	50.285	15	35.4	52.36	21	35.4	K2	C8	5286	C -36 7105
5	10.4	9.5W	15 51.187	0.0004	21	-35 19 36.10	0.012	21	0.41	51.179	22	33.4	36.30	21	33.4	K0 L	C7	5566	C -29 8985
6	10.5	10.2W	16 2.220	-0.0055	21	-31 57 17.51	-0.004	21	0.41	2.312	22	33.4	17.44	21	33.4	G5 L	C7	5567	C -31 8911
7	9.3	9.1W	16 2.472	-0.0001	21	-32 52 0.76	-0.055	21	0.41	2.473	22	33.4	59.86	21	33.4	F5	C7	5568	C -32 8006
8	10.9	9.2W	16 3.175	-0.0000	13	-37 15 58.83	0.002	13	0.26	3.175	15	35.4	58.86	21	35.4	K2 L	C8	5287	C -36 7106
9	10.8	9.6W	16 7.526	0.0008	13	-36 28 22.71	-0.017	13	0.26	7.514	15	35.4	22.46	21	35.4	K0 L	C8	5288	C -36 7107
10	8.1	8.4W	16 12.047	-0.0046	21	-33 28 49.26	-0.043	21	0.41	12.125	22	33.4	48.56	21	33.4	A0	C7	5569	C -33 7636
11	8.2	8.4W	16 19.796	-0.0039	21	-31 4 59.89	0.014	21	0.41	19.861	22	33.4	0.12	21	33.4	A2	C7	5570	C -30 9101
12	10.9	10.1W	16 23.769	-0.0055	21	-30 11 58.62	0.047	21	0.41	23.859	22	33.4	59.40	21	33.4	M8 L	C7	5571	C -29 8996
13	10.5	9.9W	16 25.466	-0.0041	18	-38 47 19.38	-0.022	18	0.32	25.526	15	35.4	19.06	21	35.4	F0 L	C8	5290	C -38 7056
14	9.9	9.2W	16 32.014	-0.0012	21	-33 23 44.47	-0.013	21	0.41	32.033	22	33.4	44.26	21	33.4	K0	C7	5572	C -32 8014
15	9.0	8.8W	16 32.159	-0.0027	21	-34 55 42.04	-0.052	21	0.41	32.235	22	33.4	41.18	21	33.4	F0	C7	5573	C -34 7364
16	8.3	7.9W	16 38.410	-0.0091	21	-30 44 0.52	0.079	21	0.41	38.561	22	33.4	1.83	21	33.4	G0	C7	5574	C -30 9107
17	8.7	7.9W	16 51.662	0.0005	06	-37 27 2.28	-0.015	06	0.20	51.655	15	35.4	2.06	21	35.4	K0	C8	5292	C -37 7169
18	10.5	10.2W	16 54.940	-0.0026	18	-36 31 6.51	0.024	18	0.32	54.975	15	35.4	6.86	21	35.4	F5 L	C8	5294	C -36 7113
19	8.8	8.6W	16 57.988	-0.0018	18	-37 34 57.10	0.004	18	0.32	58.015	15	35.4	57.16	21	35.4	F2	C8	5295	C -37 7171
20		7.7R	16 59.264	-0.0007	12	-30 2 55.70	-0.000	12	0.25	59.275	16	33.8	55.69	16	33.8	A0 J	13B	7465	J -29 9003
21	8.3	8.1W	16 59.567	-0.0021	21	-32 13 59.18	-0.008	21	0.41	59.601	22	33.4	59.04	21	33.4	F2	C7	5575	C -31 8922
22		10.3W	17 0.186	-0.0017	21	-34 34 34.30	-0.075	21	0.41	0.214	22	33.4	33.06	21	33.4		C7	5576	C -33 7639
23	11.0	9.7W	17 5.065	0.0014	21	-32 28 38.35	-0.006	21	0.41	5.042	22	33.4	38.24	21	33.4	K5 L	C7	5577	C -32 8018
24	10.7	10.0W	17 7.966	-0.0026	13	-36 27 27.76	-0.000	13	0.26	8.004	15	35.4	27.76	21	35.4	K0 L	C8	5296	C -36 7117
25	10.7	10.1W	17 14.210	-0.0027	21	-33 30 16.71	0.015	21	0.41	14.254	22	33.4	16.97	21	33.4		C7	5578	C -33 7641
26	10.5	10.1W	17 20.720	-0.0009	18	-35 26 51.50	-0.037	18	0.32	20.733	15	35.4	50.96	21	35.4	F2 L	C8	5297	C -35 7130
27	10.3	10.0W	17 22.617	0.0002	21	-32 49 59.98	-0.026	21	0.41	22.613	22	33.4	59.56	21	33.4	F8 L	C7	5579	C -32 8021
28	9.1	8.0W	17 30.080	-0.0012	21	-30 10 20.77	0.044	21	0.41	30.099	22	33.4	21.50	21	33.4	K2	C7	5580	C -29 9009
29	11.0	9.2W	17 37.727	-0.0017	21	-34 58 56.74	0.008	21	0.41	37.755	22	33.4	56.87	21	33.4	K5 L	C7	5581	C -34 7376
30	9.1	8.7W	17 38.528	-0.0066	13	-37 8 22.35	0.001	13	0.26	38.625	15	35.4	22.36	21	35.4	G0	C8	5299	C -36 7118
31	10.0	10.0W	17 40.029	-0.0025	21	-30 51 45.26	-0.044	21	0.41	40.071	22	33.4	44.53	21	33.4	A2 L	C7	5582	C -30 9117
32	10.0	9.1W	17 40.947	-0.0074	09	-37 5 1.06	-0.021	09	0.22	41.055	15	35.4	1.36	21	35.4	G8 L	C8	5300	C -36 7119
33	10.0	9.0W	17 44.460	-0.0010	13	-37 58 47.81	-0.031	13	0.26	44.475	15	35.4	47.36	21	35.4	K0	C8	5301	C -37 7178
34	10.5	10.0W	17 47.892	-0.0044	18	-39 8 20.37	-0.076	18	0.32	47.956	15	35.4	19.26	21	35.4	G0 L	C8	5302	C -38 7067
35	10.7	9.9W	17 51.374	-0.0055	13	-35 51 7.11	-0.017	13	0.26	51.454	15	35.4	6.86	21	35.4	G5 L	C8	5303	C -35 7140
36	10.3	9.2W	17 59.382	-0.0002	13	-37 22 8.90	-0.037	13	0.26	59.385	15	35.4	8.36	21	35.4	G5 L	C8	5305	C -36 7125
37	8.1	8.2W	18 0.798	-0.0046	18	-37 17 17.31	-0.010	18	0.32	0.865	15	35.4	17.16	21	35.4	A0	C8	5306	C -36 7124
38	10.7	10.2W	18 1.676	-0.0216	21	-34 33 50.46	0.037	21	0.41	2.035	22	33.4	51.08	21	33.4	G0 L	C7	5583	C -34 7381
39		7.6T	18 4.892	-0.0018	09	-31 49 40.89	0.010	07	0.38	4.968	15	07.0	41.34	14	04.8	A2	GC	15590	C -31 8932
40	10.1	9.7W	18 8.675	0.0001	21	-32 40 7.86	-0.061	21	0.41	8.673	22	33.4	6.86	21	33.4	G5 L	C7	5585	C -32 8031
41	10.2	8.4W	18 9.201	-0.0002	13	-35 42 35.26	-0.068	13	0.26	9.204	15	35.4	34.26	21	35.4	K5	C8	5307	C -35 7143
42	10.4	10.0W	18 10.850	-0.0049	21	-32 3 39.91	-0.016	21	0.41	10.931	22	33.4	39.64	21	33.4	G2 L	C7	5586	C -31 8933
43		7.5T	18 17.105	0.0030	12	-35 26 42.48	-0.074	12	0.66	16.954	19	99.4	38.60	19	97.7	F2	GC	15597	C#-35 7145
44	9.8	9.4W	18 18.732	0.0054	13	-35 22 56.87	-0.042	13	0.26	18.653	15	35.4	56.26	21	35.4	G2 L	C8	5310	C -34 7384
45	9.9	10.1W	18 18.875	-0.0107	21	-35 0 19.91	0.021	21	0.41	19.053	22	33.4	20.25	21	33.4	F5 L	C7	5587	C -34 7385
46	10.6	9.4W	18 21.669	-0.0019	21	-31 2 2.00	0.044	21	0.41	21.701	22	33.4	2.73	21	33.4	K5	C7	5588	C -30 9125
47	10.3	10.1W	18 28.994	-0.0070	21	-31 22 8.13	0.036	21	0.41	29.111	22	33.4	8.72	21	33.4	F2 L	C7	5589	C -30 9127
48	10.0	9.9W	18 30.555	-0.0004	21	-31 51 58.31	-0.022	21	0.41	30.562	22	33.4	57.94	21	33.4	A8 L	C7	5590	C -31 8936
49	9.9	9.7W	18 30.615	0.0008	21	-32 17 32.96	-0.031	21	0.41	30.602	22	33.4	32.44	21	33.4	A3 L	C7	5591	C -31 8935
50		7.4T	18 43.508	-0.0072	12	-35 15 1.03	0.011	10	0.61	43.875	18	99.2	1.61	18	96.6	A3	GC	15602K	C#-34 7389
51	9.7	8.1W	11 19 2.488	-0.0025	18	-38 2 4.09	0.005	18	0.32	2.525	15	35.4	4.16	21	35.4	K5	C8	5313	C -37 7188
52	10.7	9.6W	19 4.342	-0.0043	18	-38 22 39.02	-0.011	18	0.32	4.405	15	35.4	38.86	21	35.4	G8 L	C8	5314	C -37 7191
53	9.2	8.3W	19 5.177	-0.0002	21	-31 2 13.60	-0.032	21	0.41	5.181	22	33.4	14.13	21	33.4	K0	C7	5592	C -30 9136
54		9.8W	19 6.057	-0.0046	13	-36 28 0.24	-0.053	13	0.26	6.124	15	35.4	59.46	21	35.4		C8	5315	C -36 7134
55	9.7	9.7W	19 8.610	0.0010	21	-33 20 37.21	-0.028	21	0.41	8.593	22	33.4	36.76	21	33.4	A8 L	C7	5593	C -32 8036
56	8.1	7.7W	19 8.707	0.0040	21	-31 14 52.08	-0.015	21	0.41	8.641	22	33.4	51.83	21	33.4	F5	C7	5594	C -30 9137
57	10.2	9.6W	19 15.080	-0.0024	13	-36 47 58.56	-0.034	13	0.26	15.095	15	35.4	58.06	21	35.4	F8 L	C8	5316	C -36 7136
58	10.6	9.7W	19 19.147	0.0010	21	-30 50 54.21	0.013	21	0.41	19.131	22	33.4	54.42	21	33.4	K5	C7	5595	C -30 9141
59	10.2	9.8W	19 21.758	-0.0002	21	-31 49 12.01	-0.070	21	0.41	21.761	22	33.4	10.84	21	33.4	K0 L	C7	5596	C -31 8944
60	9.8	9.9W	19 23.351	-0.0026	21	-33 21 18.72	0.014	21	0.41	23.393	22	33.4	18.96	21	33.4	A8 L	C7	5597	C -32 8040
61	9.7	9.5W	19 23.549	-0.0001	21	-31 24 27.71	0.007	21	0.41	23.551	22	33.4	27.83	21	33.4	F0	C7	5598	C -30 9143
62	9.5	7.6W	19 25.342	-0.0001	21	-33 1 37.81	0.008	21	0.41	25.343	22	33.4	37.96	21	33.4	K2	C7	5599	C -32 8041
63	9.9	9.4W	19 26.779	-0.0087	21	-33 58 59.49	-0.146	21	0.41	26.634	22	33.4	57.07	21	33.4	K0 L	C7	5600	C -33 7668
64	10.5	10.3W	19 30.774	-0.0036	13	-35 25 20.93	-0.039	13	0.26	30.784	15	35.4	20.36	21	35.4	F5 L	C8	5317	C -35 7150
65	9.6	8.4W	19 37.595	-0.0013	13	-35 58 12.50	-0.044	13	0.26	37.614	15	35.4	11.86	21	35.4	K5	C8	5318	C -35 7151
66	9.8	8.9W	19 40.463	-0.0031	21	-33 47 25.14	-0.035	21	0.41	40.514	22	33.4	24.57	21	33.4	K0	C7	5601	C -33 7671
67	9.8	10.0W	19 41.752	-0.0025	21	-35 5 43.59	-0.026	21	0.41	41.794	22	33.4	43.15	21	33.4	A2	C7	5602	C -34 7400
68	9.1	7.8W	19 43.187	-0.0023	21	-33 30 23.09	-0.044	21	0.41	43.224	22	33.4	22.37	21	33.4	K2	C7	5603	C -33 7674
69	10.2	9.3W	19 43.942	-0.0125	13	-36 37 31.93	0.030	13	0.26	44.125	15	35.4	32.36	21	35.4	K0 L	C8	5319	C -36 7140
70	10.7	10.0W	19 44.893	-0.0029	21	-32 7 10.80	0.033	21	0.41	44.942	22	33.4	11.34	21	33.4	G5 L	C7	5604	C -31 8951
71	8.2	8.0W	19 51.018	-0.0059	13	-36 12 41.00	-0.030	13	0.26	51.104	15	35.4	40.56	21	35.4	F5	C8	5320	C -35 7155
72	10.0	9.7W	19 51.421	0.0028	21	-33 36 28.19	-0.026	21	0.41	51.374	22	33.4	27.77	21	33.4	F5 L	C7	5605	C -33 7677
73	7.1	7.5W	19 56.977	-0.0040	18	-38 49 50.62	-0.011	18	0.32	57.036	15	35.4	50.46	21	35.4	B9	C8	5321	C -38 7092
74	8.5	8.2W	20 4.206	-0.0075	21	-30 37 41.54	-0.031	21	0.41	4.331	22	33.4	41.02	21	33.4	F8	C7	5606	C -30 9150
75	9.9	8.9W	20 6.463	-0.0037	21	-34 10 49.43	0.008	21	0.41	6.524	22	33.4	49.57	21	33.4	K0	C7	5607	C -33 7678
76	10.1	8.5W	20 12.163	-0.0024	21	-35 7 33.12	-0.016	21	0.41	12.203	22	33.4	32.85	21	33.4	K5	C7	5608	C -34 7407
77	9.4	8.9W	20 14.891	0.0070	21	-33 47 30.64	-0.059	21	0.41	14.774	22	33.4	29.67	21	33.4	G0	C7	5609	C -33 7680
78		7.6T	20 22.934	-0.0059	14	-35 58 5.44	-0.025	10	0.64	23.216	19	02.5	4.15	19	99.0	A5	GC	15631	C -35 7159
79	9.1	8.6W	20 23.144	-0.0007	13	-35 35 42.22	0.044	13	0.26	23.154	15	35.4	42.86	21	35.4	G0	C8	5323	C -35 7158
80	9.8	9.6W	20 25.183	-0.0001	21	-33 57 49.63	-0.010	21	0.41	25.184	22	33.4	49.47	21	33.4	G5 L	C7	5610	C -33 7684
81	10.8	9.4W	20 27.726	-0.0006	21	-34 59 58.94	-0.016	21	0.41	27.735	22	33.4	58.67	21	33.4	K2 L	C7	5611	C -34 7410
82	8.8	8.5W	20 29.133	-0.0025	21	-34 23 25.31	-0.021	21	0.41	29.174	22	33.4	22.97	21	33.4	F5	C7	5612	C -33 7685
83	9.7	9.3W	20 29.413	-0.0055	21	-32 30 7.61	-0.022	21	0.41	29.503	22	33.4	7.25	21	33.4	G5	C7	5613	C -32 8050
84	10.4	9.5W	20 30.610	-0.0019	21	-31 35 27.25	0.036	21	0.41	30.641	22	33.4	27.84	21	33.4	K2	C7	5614	C -31 8956
85	9.4	8.5W	20 32.786	-0.0021	21	-30 37 10.36	0.016	21	0.41	32.821	22	33.4	10.63	21	33.4	K0	C7	5615	C -30 9154
86	9.7	9.0W	20 35.165	0.0020	21	-32 9 26.01	0.014	21	0.41	35.132	22	33.4	26.24	21	33.4	K0	C7	5616	C -31 8958
87	10.0	8.7W	20 35.852	-0.0029	13	-36 7 16.73	-0.039	13	0.26	35.894	15	35.4	16.16	21	35.4	K5	C8	5324	C -35 7162
88	9.7	10.1W	20 36.668	-0.0010	21	-34 3 46.51	0.021	21	0.41	36.684	22	33.4	46.87	21	33.4	A5 L	C7	5617	C -33 7688
89	10.4	9.4W	20 43.656	-0.0015	21	-31 46 12.63	-0.023	21	0.41	43.681	22	33.4	12.24	21	33.4	K2	C7	5618	C -31 8962
90	9.7	8.6W	20 43.824	-0.0007	21	-34 42 26.07	0.006	21	0.41	43.835	22	33.4	26.17	21	33.4	K5	C7	5619	C -34 7411
91		5.1T	20 47.003	-0.0032	07	-35 53 25.17	-0.016	05	0.28	47.132	10	08.8	24.40	12	02.1	K5	GC	15641	C#-35 7163
92	10.4	9.7W	20 50.185	0.0000	21	-34 10 19.04	-0.053	21	0.41	50.184	22	33.4	18.17	21	33.4		C7	5620	C -33 7692
93	10.0	10.0W	20 59.636	-0.0018	18	-37 37 23.79	-0.029	18	0.32	59.665	15	35.4	23.36	21	35.4	A	C8	5327	C -37 7213
94	10.2	9.6W	21 8.414	-0.0036	21	-33 13 41.45	0.000	21	0.41	8.473	22	33.4	41.46	21	33.4	K0 L	C7	5621	C -32 8056
95	9.9	9.0W	21 11.394	-0.0058	21	-30 12 54.85	0.003	21	0.41	11.489	22	33.4	54.90	21	33.4	K0	C7	5622	C -29 9060
96	9.1	9.0W	21 14.132	-0.0050	13	-37 10 15.35	-0.033	13	0.26	14.205	15	35.4	14.86	21	35.4	F0	C8	5328	C -36 7151
97	10.3	9.0W	21 15.960	-0.0000	21	-30 42 36.21	0.055	21	0.41	15.961	22	33.4	37.12	21	33.4	K5	C7	5623	C -30 9163
98	10.0	9.4W	21 17.090	0.0085	13	-38 31 7.95	0.001	13	0.26	16.966	15	35.4	7.96	21	35.4	G5	C8	5329	C -38 7114
99		6.8T	21 21.713	-0.0030	12	-35 48 53.24	-0.027	11	0.60	21.857	18	01.2	51.88	19	00.2	A0	GC	15653	C -35 7172
00	9.1	8.6W	21 21.813	-0.0056	09	-38 12 45.60	-0.167	09	0.22	21.895	15	35.4	43.16	21	35.4	G5	C8	5332	C -37 7219

202400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.3R	11 21 23.254	-0.0002	17	-30 6 14.33	-0.031	17	0.31	23.257	16	33.8	13.83	16	33.8	K0 M	13B	7512	J -29 9061
2	9.6	9.2W	21 24.431	-0.0018	21	-31 22 23.99	-0.058	21	0.41	24.461	22	33.4	23.03	21	33.4	G0	C7	5624	C -30 9166
3	10.0	8.9W	21 45.587	-0.0014	21	-31 29 46.28	0.015	21	0.41	45.611	22	33.4	46.53	21	33.4	K5	C7	5625	C -31 8967
4	9.2	8.4W	21 47.275	-0.0072	21	-34 23 35.63	0.008	21	0.41	47.394	22	33.4	35.77	21	33.4	K2	C7	5626	C -33 7703
5	10.1	9.3W	21 49.193	-0.0023	21	-32 15 57.91	-0.052	21	0.41	49.232	22	33.4	57.04	21	33.4	K0 L	C7	5627	C -31 8970
6	8.8	9.0W	22 0.616	-0.0013	13	-36 48 26.45	-0.006	13	0.26	0.635	15	35.4	26.36	21	35.4	A0	C8	5333	C -36 7160
7		7.5T	22 4.625	-0.0015	12	-34 0 41.20	-0.034	10	0.61	4.704	17	98.7	39.35	17	96.0	A0	GC	15664	C -33 7708
8	10.3	10.1W	22 6.236	-0.0041	21	-34 42 10.67	-0.072	21	0.41	6.305	22	33.4	9.48	21	33.4	G2 L	C7	5629	C -34 7424
9	8.6	8.7W	22 6.984	0.0027	06	-36 54 50.09	-0.029	06	0.20	6.945	15	35.4	49.66	21	35.4	A0	C8	5334	C -36 7161
10	10.0	9.0W	22 8.774	-0.0007	13	-36 7 21.48	-0.001	13	0.26	8.784	15	35.4	21.46	21	35.4	K0 L	C8	5335	C -35 7180
11	10.5	9.6W	22 8.810	-0.0008	21	-33 7 59.83	-0.011	21	0.41	8.823	22	33.4	59.66	21	33.4	K5 L	C7	5630	C -32 8067
12	9.1	9.3W	22 8.997	-0.0067	13	-36 42 21.41	-0.003	13	0.26	9.095	15	35.4	21.36	21	35.4	A0	C8	5336	C -36 7162
13	9.6	9.4W	22 12.005	-0.0003	21	-31 14 56.68	-0.033	21	0.41	12.011	22	33.4	56.13	21	33.4	F5	C7	5631	C -30 9179
14	10.4	9.3W	22 12.984	0.0014	21	-31 2 29.74	-0.079	21	0.41	12.961	22	33.4	28.42	21	33.4	K5	C7	5632	C -30 9180
15	10.0	8.9W	22 18.186	-0.0007	09	-38 43 55.31	-0.017	09	0.22	18.196	15	35.4	55.06	21	35.4	K2	C8	5337	C -38 7121
16	9.8	9.7W	22 19.836	-0.0035	21	-34 5 54.93	-0.004	21	0.41	19.894	22	33.4	54.87	21	33.4	F5 L	C7	5633	C -33 7716
17	11.0	10.0W	22 21.101	-0.0032	21	-33 40 23.28	0.011	21	0.41	21.154	22	33.4	23.47	21	33.4		C7	5634	C -33 7715
18	9.4	9.2W	22 21.323	-0.0072	21	-35 1 8.69	-0.026	21	0.41	21.444	22	33.4	8.25	21	33.4	A3	C7	5635	C -34 7427
19	10.7	10.2W	22 22.424	-0.0000	18	-38 17 7.00	-0.023	18	0.32	22.425	15	35.4	6.66	21	35.4	F8 L	C8	5338	C -37 7225
20	9.9	9.1W	22 27.766	-0.0088	13	-36 28 0.38	-0.063	13	0.26	27.894	15	35.4	-59.46	21	35.4	K0	C8	5339	C -36 7166
21	10.3	9.4W	22 29.619	-0.0069	21	-34 52 6.52	0.003	21	0.41	29.735	22	33.4	6.58	21	33.4	K0 L	C7	5636	C -34 7430
22	9.9	8.9W	22 30.800	0.0025	23	-35 37 56.38	-0.049	23	0.38	30.764	15	35.4	55.66	21	35.4	K0 L	C8	5340	C -35 7184
23	10.1	9.8W	22 31.032	-0.0042	21	-31 44 24.66	0.029	21	0.41	31.101	22	33.4	25.14	21	33.4		C7	5637	C -31 8978
24	9.1	7.9W	22 31.748	-0.0011	09	-35 38 45.50	0.004	09	0.22	31.764	15	35.4	45.56	21	35.4	K0	C8	5341	C -35 7185
25	8.6	8.0W	22 31.943	-0.0047	21	-31 43 27.73	0.013	21	0.41	32.021	22	33.4	27.94	21	33.4	G5	C7	5638	C -31 8979
26	9.5	9.4W	22 46.431	-0.0010	10	-39 27 22.83	-0.025	10	0.23	46.446	15	35.4	22.46	21	35.4	F0	C8	5343	C*-39 7096
27	10.5	9.7W	22 52.161	-0.0255	23	-35 18 12.51	-0.099	23	0.38	52.533	15	35.4	11.06	21	35.4	K0 L	C8	5344	C -34 7435
28		5.3T	23 3.632	-0.0096	05	-35 47 17.90	0.016	04	0.19	4.022	06	09.2	18.57	06	07.3	K0	GC	15680K	C*-35 7189
29		9.1R	23 5.542	-0.0019	20	-30 3 55.05	-0.068	20	0.35	5.573	16	33.8	53.95	16	33.8	G0 M	13B	7525	J -29 9090
30		6.0T	23 7.481	-0.0039	10	-37 28 20.77	-0.018	08	0.53	7.699	18	93.8	19.77	15	95.0	M0	GC	15684K	C -37 7235
31	10.5	10.2W	23 8.967	-0.0026	23	-38 10 49.80	0.011	23	0.38	9.005	15	35.4	49.96	21	35.4	F8 L	C8	5348	C -37 7236
32	10.8	10.1W	23 23.171	-0.0008	21	-34 17 10.72	-0.039	21	0.42	23.184	22	32.9	10.06	21	32.9	G5 L	C7	5639	C -33 7725
33	9.2	9.3W	23 24.809	-0.0134	08	-36 37 43.06	0.048	08	0.22	25.005	15	35.4	43.76	21	35.4	F8	C8	5349	C -36 7173
34	9.3	9.1W	23 24.874	-0.0104	07	-38 35 55.43	0.167	07	0.21	25.026	15	35.4	57.86	21	35.4	F5	C8	5350	C -38 7127
35	9.5	9.5W	23 25.265	-0.0042	18	-38 46 12.95	-0.020	18	0.32	25.326	15	35.4	12.66	21	35.4	A0	C8	5351	C -38 7126
36	10.3	10.2W	23 26.544	-0.0024	21	-34 2 59.54	-0.022	21	0.42	26.584	22	32.9	59.16	21	32.9	B9 L	C7	5640	C -33 7727
37	11.0	10.6W	23 30.740	-0.0012	21	-30 44 3.27	0.003	21	0.42	30.761	22	32.9	3.32	21	32.9	G0 L	C7	5641	C -30 9195
38	10.3	9.6W	23 34.363	-0.0059	21	-33 28 12.31	-0.033	21	0.42	34.463	22	32.9	11.76	21	32.9	K0 L	C7	5642	C -33 7730
39	9.2	8.8W	23 42.450	-0.0037	13	-36 1 0.22	-0.052	13	0.26	42.504	15	35.4	-59.46	21	35.4	F8	C8	5356	C -35 7197
40	10.0	9.6W	23 43.578	0.0057	13	-37 11 13.97	-0.165	13	0.26	43.495	15	35.4	11.56	21	35.4	G0 L	C8	5357	C -36 7175
41	10.9	9.9W	23 46.936	-0.0046	21	-33 45 46.65	-0.029	21	0.42	47.014	22	32.9	46.16	21	32.9	K0 L	C7	5643	C -33 7733
42	10.1	9.0W	23 48.145	0.0002	21	-32 20 26.95	-0.006	21	0.42	48.142	22	32.9	26.84	21	32.9	K0 L	C7	5644	C -31 8992
43	9.1	9.0W	23 51.902	-0.0016	09	-39 9 27.25	0.001	09	0.22	51.926	15	35.4	27.26	21	35.4	F0	C8	5359	C -38 7135
44	11.0	10.5W	23 55.754	-0.0051	21	-32 6 36.29	-0.021	21	0.42	55.842	22	32.9	36.64	21	32.9	G0 L	C7	5645	C -31 8993
45	9.6	8.3W	23 57.818	-0.0027	21	-34 44 19.00	-0.066	21	0.42	57.865	22	32.9	17.87	21	32.9	K5	C7	5646	C -34 7447
46	10.5	9.7W	23 59.818	-0.0049	21	-31 52 17.64	0.059	21	0.42	59.902	22	32.9	18.64	21	32.9	K0 L	C7	5647	C -31 8994
47	11.2	10.1W	24 0.195	-0.0040	21	-33 5 28.56	0.052	21	0.42	0.263	22	32.9	29.46	21	32.9		C7	5648	C -32 8088
48	8.8	8.5W	24 0.738	0.0037	21	-33 53 51.55	-0.023	21	0.42	0.674	22	32.9	51.16	21	32.9	F5	C7	5649	C -33 7736
49	9.9	9.8W	24 2.575	-0.0035	13	-39 9 56.17	0.006	13	0.26	2.626	15	35.4	56.26	21	35.4	A3	C8	5360	C -38 7137
50	10.1	8.7W	24 3.804	-0.0012	21	-33 51 53.42	-0.021	21	0.42	3.824	22	32.9	53.06	21	32.9	K5 L	C7	5650	C -33 7737
51	10.4	9.6W	11 24 5.059	-0.0032	13	-38 38 23.24	-0.012	13	0.26	5.106	15	35.4	23.06	21	35.4	K	C8	5361	C -38 7138
52	9.3	7.7W	24 6.215	0.0007	13	-36 36 28.78	-0.015	13	0.26	6.205	15	35.4	28.56	21	35.4	MA	C8	5362	C -36 7180
53		8.0T	24 16.532	-0.0005	12	-37 52 58.26	0.003	12	0.65	16.558	21	98.9	58.41	21	97.4	B9	GC	15707	C -37 7243
54	11.5	10.0W	24 18.191	0.0022	21	-32 42 23.36	0.011	21	0.42	18.153	22	32.9	23.56	21	32.9		C7	5651	C -32 8095
55	10.0	9.9W	24 28.374	-0.0068	13	-35 19 48.48	-0.001	13	0.26	28.474	15	35.4	48.46	21	35.4	F8 L	C8	5365	C -34 7455
56	10.6	10.2W	24 48.958	0.0004	21	-32 25 13.05	-0.000	21	0.42	48.952	22	32.9	13.04	21	32.9	G0 L	C7	5652	C -32 8100
57	8.4	8.5W	24 51.476	-0.0061	18	-37 15 31.97	-0.021	18	0.32	51.565	15	35.4	31.66	21	35.4	A0	C8	5366	C -36 7188
58	9.1	8.9W	24 54.706	-0.0016	21	-33 24 41.90	-0.038	21	0.42	54.733	22	32.9	41.26	21	32.9	F0	C7	5653	C -33 7743
59	10.6	9.8W	24 54.863	-0.0007	13	-35 20 12.43	-0.046	13	0.26	54.873	15	35.4	11.76	21	35.4	G8 L	C8	5367	C -34 7460
60	9.4	9.7W	24 57.945	-0.0034	18	-37 31 29.47	0.013	18	0.32	57.995	15	35.4	29.66	21	35.4	A0	C8	5368	C -37 7257
61	10.6	9.6W	25 3.396	0.0015	21	-30 58 44.50	0.007	21	0.42	3.371	22	32.9	44.62	21	32.9	K0 L	C7	5654	C -30 9214
62		7.3T	25 3.898	-0.0030	13	-39 36 3.34	-0.009	12	0.66	4.045	21	00.9	2.86	19	98.4	A0	GC	15722K	C -39 7118
63	10.0	9.3W	25 6.842	-0.0072	21	-34 58 39.18	0.052	21	0.42	6.965	22	32.9	40.07	21	32.9	G5 L	C7	5656	C -34 7462
64	8.0	7.9W	25 13.072	-0.0029	21	-31 52 26.97	-0.007	21	0.42	13.122	22	32.9	26.84	21	32.9	F5	C7	5657	C -31 9014
65	9.4	9.3W	25 15.422	-0.0111	08	-35 46 22.65	0.049	08	0.22	15.584	15	35.4	23.36	21	35.4	G5	C8	5370	C -35 7211
66		9.2R	25 15.791	-0.0054	17	-30 5 16.16	0.002	17	0.31	15.879	16	33.8	16.20	16	33.8	F2 J	13B	7539	J -29 9111
67	8.8	9.0W	25 18.408	-0.0026	13	-38 34 37.84	-0.019	13	0.26	18.446	15	35.4	37.56	21	35.4	B9	C8	5371	C -38 7151
68	9.1	8.6W	25 20.604	-0.0137	08	-35 47 54.64	-0.060	08	0.22	20.804	15	35.4	53.76	21	35.4	G5	C8	5372	C -35 7213
69	9.7	9.4W	25 21.555	-0.0010	21	-32 22 5.14	-0.017	21	0.42	21.572	22	32.9	4.84	21	32.9	F5	C7	5658	C -31 9015
70	9.1	8.9W	25 22.329	-0.0030	21	-30 13 14.66	0.043	21	0.42	22.379	22	32.9	15.40	21	32.9	A2	C7	5659	C -29 9112
71	9.9	8.9W	25 24.164	-0.0008	09	-39 28 48.25	-0.006	09	0.22	24.176	15	35.4	48.16	21	35.4	K5	C8	5373	C -39 7122
72	10.9	9.9W	25 24.355	-0.0033	21	-32 14 56.76	-0.024	21	0.42	24.412	22	32.9	56.34	21	32.9	G5 L	C7	5660	C -31 9017
73	9.6	9.4W	25 24.871	-0.0012	21	-31 37 48.62	-0.004	21	0.42	24.892	22	32.9	48.54	21	32.9	A2	C7	5661	C -31 9016
74	9.4	8.3W	25 26.828	0.0030	13	-37 0 47.92	-0.031	13	0.26	26.785	15	35.4	47.46	21	35.4	K2	C8	5374	C -36 7195
75	10.6	9.6W	25 27.379	-0.0020	21	-32 34 41.51	-0.021	21	0.42	27.413	22	32.9	41.16	21	32.9	K0 L	C7	5662	C -32 8109
76	10.5	9.6W	25 27.994	-0.0033	21	-31 7 29.62	0.041	21	0.42	28.051	22	32.9	30.32	21	32.9	K0 L	C7	5663	C -30 9221
77	8.9	7.9W	25 29.405	-0.0019	13	-35 16 26.29	-0.002	13	0.26	29.433	15	35.4	26.26	21	35.4	K0	C8	5375	C -34 7469
78		6.5T	25 31.622	-0.0008	12	-35 3 11.69	0.008	12	0.62	31.663	18	00.0	12.09	18	99.0	K2	GC	15735	C -34 7471
79	10.1	9.2W	25 35.673	-0.0049	23	-36 44 41.89	0.005	23	0.38	35.745	15	35.4	41.96	21	35.4	K0	C8	5376	C -36 7196
80	10.4	10.1W	25 36.754	0.0006	21	-33 27 39.26	-0.071	21	0.42	36.743	22	32.9	38.05	21	32.9	A5 L	C7	5665	C -33 7755
81	10.9	10.6W	25 36.880	-0.0044	21	-33 40 20.56	0.035	21	0.42	36.954	22	32.9	21.16	21	32.9	F8 L	C7	5666	C -33 7753
82	9.2	9.0W	25 39.046	-0.0035	21	-34 55 23.96	-0.005	21	0.42	39.105	22	32.9	23.87	21	32.9	F5	C7	5667	C -34 7472
83	11.1	9.5W	25 39.691	-0.0029	13	-35 42 33.64	0.043	13	0.26	39.734	15	35.4	34.26	21	35.4	K5 L	C8	5377	C -35 7215
84	10.4		25 41.533	-0.0024	21	-32 41 26.41	0.020	21	0.42	41.573	22	32.9	26.76	21	32.9	A8 L	C7	5668	C -32 8113
85	8.4	8.6W	25 41.536	-0.0038	21	-30 57 40.32	-0.023	21	0.42	41.601	22	32.9	39.92	21	32.9	A2	C7	5669	C*-30 9227
86		7.5T	25 41.910	-0.0029	17	-36 48 36.21	-0.000	13	0.70	42.040	17	05.0	36.21	17	04.0	B9	GC	15737	C -36 7197
87	9.8	8.9W	25 42.007	-0.0010	21	-33 12 48.69	-0.002	21	0.42	42.023	22	32.9	48.66	21	32.9	G5	C7	5670	C -32 8114
88	7.6	7.6W	26 1.967	-0.0038	21	-31 34 52.83	0.001	21	0.42	2.032	22	32.9	52.84	21	32.9	A2	C7	5671	C -31 9023
89	10.0	9.7W	26 2.093	-0.0024	21	-33 18 24.35	-0.029	21	0.42	2.133	22	32.9	23.86	21	32.9	G0 L	C7	5672	C -32 8116
90	10.7	10.3W	26 3.854	-0.0016	21	-31 44 29.77	-0.007	21	0.42	3.882	22	32.9	29.64	21	32.9	G0 L	C7	5673	C -31 9024
91	8.5	8.9W	26 5.184	-0.0022	18	-38 32 39.80	-0.030	18	0.32	5.216	15	35.4	39.36	21	35.4	A0	C8	5379	C -38 7158
92	8.2	7.6W	26 16.804	-0.0029	13	-39 32 41.11	-0.024	13	0.26	16.847	15	35.4	40.76	21	35.4	G5	C8	5380	C -39 7127
93	10.7	10.1W	26 19.714	0.0041	18	-36 16 31.84	-0.067	18	0.32	19.654	15	35.4	30.86	21	35.4	G0 L	C8	5381	C -35 7226
94	10.4	9.3W	26 21.890	0.0005	21	-32 19 52.34	-0.011	21	0.42	21.882	22	32.9	52.14	21	32.9	K5	C7	5674	C -31 9028
95		9.2R	26 25.229	0.0016	13	-30 10 11.94	-0.051	13	0.27	25.202	16	33.8	11.11	16	33.8	F0 J	13B	7555	J -29 9127
96	10.0	9.6W	26 27.407	0.0027	21	-31 23 23.69	0.014	21	0.42	27.361	22	32.9	23.92	21	32.9	G5	C7	5675	C -30 9242
97	9.4	9.5W	26 33.064	-0.0020	13	-35 23 32.26	-0.007	13	0.26	33.094	15	35.4	32.16	21	35.4	A0	C8	5383	C -34 7480
98	9.8	9.8W	26 37.734	-0.0039	21	-30 43 4.41	0.024	21	0.42	37.801	22	32.9	4.82	21	32.9	A5	C7	5676	C -30 9244
99	9.6	9.3W	26 48.865	-0.0017	21	-33 9 8.46	0.005	21	0.42	48.893	22	32.9	8.56	21	32.9	G0	C7	5677	C -32 8125
00	11.3	10.3W	26 54.575	-0.0004	21	-32 2 38.48	-0.008	21	0.42	54.582	22	32.9	38.34	21	32.9		C7	5678	C -31 9034

202500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 11H DM NUMBER
1	9.0	8.6W	11 26 59.149	-0.0003	21	-32 54 4.74	-0.017	21	0.42	59.153	22	32.9	4.46	21	32.9	F5	C7	5679	C -32 8126
2	10.1	9.8W	26 59.683	-0.0159	08	-37 11 46.93	-0.016	08	0.22	59.915	15	35.4	47.16	21	35.4	G0 L	C8	5386	C -36 7209
3	10.5	10.1W	27 3.269	0.0064	21	-30 14 9.48	-0.040	21	0.42	3.159	22	32.9	8.80	21	32.9	L	C7	5680	C -29 9133
4	10.8	9.8W	27 6.208	-0.0010	21	-33 39 27.57	-0.001	21	0.42	6.224	22	32.9	27.56	21	32.9	K0 L	C7	5681	C -33 7770
5	10.1	9.9W	27 6.349	-0.0026	13	-39 44 1.52	-0.052	13	0.26	6.387	15	35.4	0.76	21	35.4	A5 L	C8	5387	C -39 7135
6	10.3	10.1W	27 10.898	-0.0053	18	-39 8 56.74	-0.012	18	0.32	10.976	15	35.4	56.56	21	35.4	A5 L	C8	5388	C -38 7166
7	11.0	10.2W	27 13.134	0.0006	21	-32 47 28.75	0.006	21	0.42	13.123	22	32.9	28.86	21	32.9	G5 L	C7	5682	C -32 8130
8		6.8T	27 15.693	0.0004	12	-34 10 52.08	-0.010	10	0.63	15.670	19	96.1	51.53	18	95.1	G0	GC	15770	C -37 7284
9	9.7	9.1W	27 24.166	-0.0033	18	-37 48 34.72	0.044	18	0.32	24.215	15	35.4	55.36	21	35.4	G5	C8	5390	C -37 7288
10	9.5	9.3W	27 25.939	0.0015	07	-39 44 37.36	-0.103	07	0.21	25.917	15	35.4	35.86	21	35.4	F8	C8	5391	C -39 7138
11	10.5	10.1W	27 27.935	0.0014	21	-31 18 0.74	-0.042	21	0.42	27.911	22	32.9	0.02	21	32.9	F5 L	C7	5683	C -30 9253
12	10.8	9.8W	27 32.655	0.0007	13	-36 33 17.84	-0.005	13	0.26	32.645	15	35.4	17.76	21	35.4	K0 L	C8	5392	C -36 7216
13	9.6	8.7W	27 40.855	0.0000	21	-33 46 2.87	-0.001	21	0.42	40.854	22	32.9	2.86	21	32.9	K0	C7	5684	C -33 7775
14	9.4	9.1W	27 42.590	-0.0054	21	-32 8 25.23	0.001	21	0.42	42.682	22	32.9	25.24	21	32.9	F8	C7	5685	C -31 9051
15	10.4	9.8W	28 2.541	-0.0002	21	-33 44 25.16	-0.047	21	0.42	2.544	22	32.9	24.36	21	32.9	G5 L	C7	5686	C -33 7781
16	8.9	8.7W	28 3.121	-0.0029	21	-30 9 40.59	0.041	21	0.42	3.169	22	32.9	41.30	21	32.9	F8	C7	5687	C -29 9146
17	10.3	9.8W	28 5.726	-0.0046	13	-35 9 42.20	-0.044	13	0.26	5.793	15	35.4	41.56	21	35.4	G8 L	C8	5393	C -34 7496
18	9.9	9.1W	28 7.263	0.0027	13	-36 29 36.65	-0.013	13	0.26	7.224	15	35.4	36.46	21	35.4	K0	C8	5394	C -36 7222
19	9.8	9.3W	28 7.698	-0.0021	21	-33 7 22.52	-0.004	21	0.42	7.733	22	32.9	22.46	21	32.9	F0	C7	5688	C -32 8142
20	10.6	10.1W	28 11.597	-0.0053	18	-38 19 26.14	-0.005	18	0.32	11.675	15	35.4	26.06	21	35.4	G0 L	C8	5395	C -37 7295
21		7.1T	28 17.404	0.0008	10	-38 57 33.83	0.013	10	0.58	17.359	21	95.1	34.53	21	94.8	G5	GC	15792	C* -38 7176
22	9.9	9.1W	28 24.892	-0.0005	21	-30 14 25.23	0.004	21	0.42	24.899	22	32.9	25.30	21	32.9	K0	C7	5689	C -29 9151
23	8.7	8.0W	28 25.463	-0.0022	13	-37 22 5.74	-0.019	13	0.26	25.495	15	35.4	5.46	21	35.4	G5	C8	5398	C -36 7227
24	8.9	7.5W	28 35.764	-0.0014	18	-37 28 23.35	-0.033	18	0.32	35.785	15	35.4	22.86	21	35.4	K2	C8	5399	C -37 7302
25	9.0	8.2W	28 45.956	0.0002	13	-35 22 20.49	-0.029	13	0.26	45.954	15	35.4	20.06	21	35.4	K0	C8	5400	C -34 7507
26	10.5	10.0W	28 50.218	-0.0018	13	-36 16 36.79	0.012	13	0.26	50.244	15	35.4	36.96	21	35.4	F0 L	C8	5401	C -35 7255
27	9.8	8.3W	28 54.197	-0.0010	21	-33 26 31.60	0.032	21	0.42	54.213	22	32.9	32.16	21	32.9	K5	C7	5690	C -33 7789
28	11.2	10.3W	28 55.143	-0.0048	21	-34 26 48.92	0.002	21	0.42	55.224	22	32.9	48.96	21	32.9		C7	5691	C -34 7509
29	9.4	8.5W	28 56.539	-0.0025	21	-32 21 4.91	0.002	21	0.42	56.582	22	32.9	4.94	21	32.9	K0	C7	5692	C -31 9064
30	10.5	9.4W	28 56.999	-0.0009	21	-34 3 39.52	-0.021	21	0.42	57.014	22	32.9	39.16	21	32.9	K0 L	C7	5693	C -33 7791
31	10.2	9.9W	29 1.428	0.0010	13	-35 45 31.93	-0.032	13	0.26	1.414	15	35.4	31.46	21	35.4	F8 L	C8	5402	C -35 7256
32	10.0	9.1W	29 3.105	-0.0009	21	-30 16 59.79	0.012	21	0.42	3.119	22	32.9	+00.00	21	32.9	K0	C7	5694	C -29 9158
33	10.2	10.0W	29 3.245	-0.0035	21	-33 53 18.33	0.031	21	0.42	3.304	22	32.9	18.86	21	32.9	F0 L	C7	5695	C -33 7792
34	10.2	8.8W	29 6.257	-0.0014	21	-30 50 0.24	0.005	21	0.42	6.281	22	32.9	0.32	21	32.9	K5	C7	5696	C -30 9278
35	9.5	9.4W	29 7.677	-0.0010	21	-33 21 15.29	-0.008	21	0.42	7.693	22	32.9	15.16	21	32.9	A2	C7	5697	C -32 8148
36	8.1	8.4W	29 14.904	-0.0029	13	-39 54 16.34	-0.019	13	0.26	14.947	15	35.4	16.06	21	35.4	A2	C8	5403	C -39 7153
37	10.4	9.1W	29 17.769	-0.0033	21	-34 52 17.67	-0.029	21	0.42	17.825	22	32.9	17.18	21	32.9	K5	C7	5698	C -34 7516
38	10.5	10.2W	29 22.671	-0.0018	21	-32 25 4.00	0.003	21	0.42	22.702	22	32.9	4.04	21	32.9	F8 L	C7	5699	C -32 8150
39	10.7	9.4W	29 30.705	0.0006	13	-39 27 39.41	0.010	13	0.26	30.696	15	35.4	39.56	21	35.4	K5 L	C8	5404	C -39 7154
40	9.3	9.2W	29 31.935	0.0020	18	-38 55 13.91	0.017	18	0.32	31.906	15	35.4	14.16	21	35.4	A2	C8	5405	C -38 7188
41	10.7	10.4W	29 33.499	0.0025	21	-30 12 11.29	0.316	21	0.42	33.459	22	32.9	16.70	21	32.9	F8 L	C7	5700	C -29 9162
42	9.2	9.3W	29 40.167	-0.0014	21	-31 7 38.76	-0.049	21	0.42	40.191	22	32.9	37.92	21	32.9	F0	C7	5701	C* -30 9288
43	9.8	8.6W	29 45.470	-0.0003	13	-36 41 36.14	-0.005	13	0.26	45.475	15	35.4	36.06	21	35.4	K2	C8	5406	C -36 7242
44	9.6	9.0W	29 46.188	-0.0031	21	-31 6 20.91	-0.093	21	0.42	46.241	22	32.9	19.32	21	32.9	G5	C7	5702	C -30 9292
45	9.5	9.3W	29 48.201	-0.0023	21	-30 9 3.40	0.099	21	0.42	48.239	22	32.9	5.10	21	32.9	F2	C7	5703	C -29 9164
46	10.7	9.8W	29 49.795	-0.0027	18	-36 57 58.10	-0.023	18	0.32	49.835	15	35.4	57.76	21	35.4	K1 L	C8	5407	C -36 7243
47	8.0	8.3W	29 55.586	-0.0019	13	-36 2 48.76	0.014	13	0.26	55.614	15	35.4	48.96	21	35.4	A0	C8	5408	C -35 7273
48	9.6	9.5W	29 58.775	-0.0036	13	-38 51 12.55	-0.040	13	0.26	58.826	15	35.4	11.96	21	35.4	F0	C8	5409	C -38 7191
49		8.8T	29 59.187	-0.0071	12	-30 41 42.90	-0.004	09	0.58	59.534	18	01.1	42.71	18	99.1	K2	GC	15833	C -30 9295
50	8.1	8.4W	30 8.384	0.0009	21	-32 40 13.02	-0.035	21	0.42	8.368	22	32.9	12.42	21	32.9	A0	C7	5705	C -32 8159
51	10.2	9.3W	11 30 18.274	-0.0067	08	-37 13 49.02	-0.032	08	0.22	18.371	15	35.4	48.55	21	35.4	K5	C8	5410	C -36 7248
52	11.0	10.2W	30 19.229	-0.0033	21	-31 22 6.70	0.011	21	0.42	19.286	22	32.9	6.89	21	32.9	K0 L	C7	5706	C -30 9301
53		6.8T	30 24.320	-0.0171	10	-35 55 57.12	-0.036	11	0.62	25.248	19	95.9	55.15	19	96.0	G0	GC	15843K	C* -35 7280
54		5.2T	30 25.423	-0.0025	05	-30 48 39.64	0.002	04	0.26	25.539	12	03.6	39.75	10	97.6	M0	GC	15844	C* -30 9303
55	9.5	9.1W	30 27.279	-0.0104	21	-31 47 50.68	0.060	21	0.42	27.456	22	32.9	51.71	21	32.9	G0	C7	5708	C -31 9081
56	10.3	10.0W	30 27.503	0.0023	21	-30 11 49.40	0.022	21	0.42	27.464	22	32.9	49.77	21	32.9	F8	C7	5709	C -29 9173
57	10.6	10.1W	30 29.847	-0.0035	21	-31 45 5.90	0.012	21	0.42	29.906	22	32.9	6.11	21	32.9	F8 L	C7	5710	C -31 9082
58		3.7H	30 32.264	-0.0162	02	-31 34 50.66	-0.042	02	0.07	32.908	04	10.3	49.12	04	13.3	G5	F4	434	C -31 9083
59	10.2	9.3W	30 39.254	-0.0079	21	-34 34 14.84	-0.017	21	0.42	39.390	22	32.9	14.54	21	32.9	K0 L	C7	5712	C -34 7531
60	10.4	9.3W	30 45.147	-0.0025	21	-34 30 29.25	-0.063	21	0.42	45.190	22	32.9	28.34	21	32.9	K2 L	C7	5713	C -34 7533
61	10.6	9.8W	30 49.837	-0.0041	21	-32 13 12.95	0.103	21	0.42	49.906	22	32.9	14.71	21	32.9	K2 L	C7	5714	C -31 9086
62	10.7	9.7W	30 51.963	0.0001	13	-37 35 7.92	-0.039	13	0.26	51.961	15	35.4	7.36	21	35.4	K0 L	C8	5413	C -37 7323
63	9.8	9.6W	30 53.766	-0.0005	21	-30 24 12.35	0.007	21	0.42	53.775	22	32.9	12.47	21	32.9	F5	C7	5715	C -29 9176
64	11.1	9.7W	30 54.601	-0.0051	21	-34 13 29.25	0.017	21	0.42	54.689	22	32.9	29.53	21	32.9		C7	5716	C -33 7808
65	10.8	9.3W	30 56.293	-0.0046	13	-35 40 9.42	0.009	13	0.26	56.360	15	35.4	9.55	21	35.4	K5 L	C8	5414	C -35 7282
66	10.4	9.9W	31 4.258	-0.0057	18	-38 9 40.35	0.041	18	0.32	4.341	15	35.4	40.95	21	35.4	F8 L	C8	5415	C -37 7326
67	10.8	9.8W	31 15.201	-0.0086	21	-34 20 12.42	0.042	21	0.42	15.349	22	32.9	13.13	21	32.9		C7	5717	C -33 7811
68	8.5	8.2W	31 17.479	-0.0010	21	-30 22 39.74	0.049	21	0.42	17.664	22	32.9	40.57	21	32.9	F8	C7	5718	C -29 9179
69	10.2	8.7W	31 18.307	-0.0005	21	-30 48 42.25	-0.033	21	0.42	18.316	22	32.9	41.69	21	32.9	K5	C7	5719	C -30 9311
70	10.0	9.1W	31 19.654	-0.0005	13	-38 37 18.94	-0.006	13	0.26	19.662	15	35.4	18.85	21	35.4	K0	C8	5416	C -38 7200
71	9.2	9.4W	31 25.364	0.0015	21	-32 31 13.81	-0.046	21	0.42	25.338	22	32.9	13.02	21	32.9	A0	C7	5720	C -32 8174
72	10.3	9.1W	31 28.301	-0.0021	21	-31 38 10.07	0.031	21	0.42	28.336	22	32.9	10.61	21	32.9	K2	C7	5721	C -31 9092
73	10.6	9.6W	31 28.957	0.0011	13	-37 21 40.48	-0.009	13	0.26	28.941	15	35.4	40.35	21	35.4	K0 L	C8	5417	C -36 7261
74	9.8	8.9W	31 40.555	-0.0066	21	-33 36 35.82	-0.005	21	0.42	40.669	22	32.9	35.73	21	32.9	K0	C7	5722	C -33 7814
75	10.6	9.8W	31 41.717	0.0004	13	-37 36 29.57	-0.022	13	0.26	41.710	15	35.4	29.25	21	35.4	G5 L	C8	5419	C -37 7332
76		10.2W	31 42.975	-0.0025	18	-36 42 4.02	-0.046	18	0.32	43.011	15	35.4	3.35	21	35.4	G2 L	C8	5420	C -36 7264
77	9.6	9.4W	31 45.100	0.0132	21	-30 14 33.19	0.040	21	0.42	44.875	22	32.9	33.87	21	32.9	F8	C7	5723	C -29 9184
78	9.4	8.0W	31 46.179	-0.0002	13	-39 39 47.90	0.017	13	0.26	46.182	15	35.4	48.15	21	35.4	K5	C8	5421	C -39 7183
79	10.0	9.7W	31 53.050	0.0021	21	-30 19 54.03	-0.021	21	0.42	53.014	22	32.9	53.67	21	32.9	G0	C7	5724	C -29 9186
80		7.6T	31 53.440	0.0003	14	-35 55 41.01	-0.032	13	0.69	53.424	19	01.9	39.38	18	99.9	K2	GC	15870	C -35 7293
81	9.6	8.3W	31 57.802	0.0020	21	-33 56 19.59	-0.021	21	0.42	57.769	22	32.9	19.23	21	32.9	K2	C7	5725	C -33 7820
82	10.3	10.2W	32 0.111	-0.0003	21	-31 17 19.95	0.037	21	0.42	0.116	22	32.9	20.59	21	32.9	F0	C7	5726	C -30 9319
83		6.1T	32 3.373	-0.0536	06	-32 33 58.68	0.821	05	0.29	5.907	12	02.7	+39.56	12	00.2	G5	GC	15873	C* -32 8179
84	9.8	8.8W	32 4.300	-0.0028	18	-38 31 8.45	-0.048	18	0.32	4.341	15	35.4	7.75	21	35.4	K5	C8	5423	C -38 7209
85	9.4	9.1W	32 4.864	-0.0015	21	-34 53 36.23	-0.081	21	0.42	4.890	22	32.9	34.84	21	32.9	G5	C7	5728	C* -34 7543
86	10.5	9.8W	32 5.272	-0.0022	21	-34 58 9.50	-0.050	21	0.42	5.310	22	32.9	8.64	21	32.9		C7	5729	C -34 7544
87	10.7	9.6W	32 18.545	-0.0038	13	-35 34 59.35	-0.000	13	0.26	18.600	15	35.4	59.35	21	35.4	K2 L	C8	5424	C -35 7302
88	9.3	8.8W	32 19.608	-0.0052	21	-32 10 3.33	0.010	21	0.42	19.696	22	32.9	3.51	21	32.9	F5	C7	5730	C -31 9105
89	10.1	9.2W	32 21.363	-0.0008	21	-31 39 25.90	0.006	21	0.42	21.376	22	32.9	26.01	21	32.9	K0	C7	5731	C -31 9106
90	11.4		32 23.985	-0.0077	21	-31 44 31.62	0.011	21	0.42	24.116	22	32.9	31.81	21	32.9		C7	5732	C -31 9107
91	10.0	9.7W	32 30.095	0.0004	21	-34 14 0.25	0.011	21	0.42	30.089	22	32.9	0.43	21	32.9	G0 L	C7	5733	C -33 7827
92	10.2	9.4W	32 30.149	-0.0006	21	-33 13 44.35	-0.019	21	0.42	30.158	22	32.9	44.02	21	32.9	G5 L	C7	5734	C -32 8182
93	10.7	9.7W	32 30.849	-0.0036	18	-38 14 23.06	0.013	18	0.32	30.900	15	35.4	23.25	21	35.4	G8 L	C8	5425	C -37 7339
94	9.9	9.5W	32 32.008	-0.0023	13	-38 48 36.79	-0.016	13	0.26	32.042	15	35.4	36.55	21	35.4	G0	C8	5426	C -38 7212
95		7.3T	32 33.991	-0.0065	15	-30 26 52.92	0.001	11	0.70	34.316	18	00.2	52.99	18	97.0	F0	GC	15882	C* -30 9322
96	10.7	10.3W	32 34.653	-0.0088	13	-36 48 32.43	-0.047	13	0.26	34.781	15	35.4	31.75	21	35.4	G5 L	C8	5427	C -36 7271
97	10.1	9.7W	32 35.120	-0.0008	13	-37 23 54.52	-0.032	13	0.26	35.131	15	35.4	54.05	21	35.4	G	C8	5428	C -36 7270
98	10.6	9.6W	32 37.997	-0.0064	13	-36 6 30.05	0.034	13	0.26	38.090	15	35.4	30.55	21	35.4	G8 L	C8	5429	C -35 7304
99		7.0T	32 45.880	-0.0034	11	-35 20 7.96	-0.014	11	0.58	46.054	18	99.1	7.27	15	98.5	A2	GC	15865	C -34 7555
00	9.9	8.7W	32 55.263	0.0022	09	-38 31 34.83	0.022	09	0.22	55.232	15	35.4	35.15	21	35.4	K2	C8	5432	C -38 7218

202600			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-30° 11H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″/001	° ′ ″	″	″/001	″	s	″/01		″	″/01							
1	9.5	9.6W	11 32 58.168	0.0006	21	-33 58 58.50	0.008	21	0.42	58.159	22	32.9	58.63	21	32.9	A2	L	C7	5736	C -33 7831	
2	11.2	9.6W	32 58.258	-0.0058	21	-32 15 4.76	-0.828	21	0.42	58.356	22	32.9	58.61	21	32.9	K5	L	C7	5737	C -31 9113	
3	10.8	9.8W	33 1.604	-0.0019	18	-37 23 54.20	0.017	18	0.32	1.631	15	35.4	54.45	21	35.4	K0	L	C8	5433	C -36 7272	
4	11.3	10.8W	33 2.405	-0.0058	21	-30 23 12.79	0.005	21	0.42	2.504	22	32.9	12.87	21	32.9	G5	L	C7	5738	C -29 9201	
5	10.0	10.0W	33 10.645	0.0111	21	-31 14 46.08	0.059	21	0.42	10.456	22	32.9	47.09	21	32.9	A3		C7	5739	C -30 9328	
6	10.0	9.6W	33 11.328	-0.0015	13	-37 53 46.12	0.009	13	0.26	11.350	15	35.4	46.25	21	35.4	F0		C8	5434	C -37 7350	
7	9.7	8.3W	33 17.394	-0.0015	21	-35 7 57.17	-0.054	21	0.42	17.419	22	32.9	56.25	21	32.9	K5		C7	5740	C -34 7562	
8	10.5	9.3W	33 19.041	-0.0041	18	-37 11 30.17	-0.001	18	0.32	19.101	15	35.4	30.15	21	35.4	K0	L	C8	5435	C -36 7278	
9		8.5T	33 19.767	-0.0020	15	-34 30 34.96	0.005	11	0.65	19.861	18	02.7	35.18	18	01.9	K2		GC	15896	C -34 7563	
10	9.7	9.3W	33 24.298	-0.0012	21	-34 24 29.90	-0.127	21	0.42	24.319	22	32.9	27.73	21	32.9	G0		C7	5742	C -34 7564	
11	9.8	9.5W	33 25.369	-0.0039	21	-30 45 9.37	0.001	21	0.42	25.436	22	32.9	9.39	21	32.9	G0		C7	5743	C -30 9330	
12	10.4	9.5W	33 28.717	-0.0003	13	-36 44 44.71	-0.004	13	0.26	28.721	15	35.4	44.65	21	35.4	G5	L	C8	5436	C -36 7280	
13	10.7	9.0W	33 29.903	-0.0012	13	-35 41 27.37	-0.001	13	0.26	29.920	15	35.4	27.35	21	35.4	K2	L	C8	5437	C -35 7315	
14	10.1	9.9W	33 32.727	-0.0037	08	-36 52 24.73	-0.060	08	0.22	32.781	15	35.4	23.85	21	35.4	F8	L	C8	5438	C -36 7281	
15	8.5	8.0W	33 43.246	-0.0038	06	-36 47 8.16	-0.165	06	0.20	43.301	15	35.4	5.75	21	35.4	G0		C8	5439	C -36 7285	
16	10.6	9.3W	33 43.805	-0.0002	21	-33 38 3.34	-0.047	21	0.42	43.809	22	32.9	2.53	21	32.9	K5	L	C7	5744	C -33 7839	
17	11.2	10.2W	33 44.841	-0.0015	21	-32 24 30.54	-0.008	21	0.42	44.866	22	32.9	30.41	21	32.9	G2	L	C7	5745	C -31 9119	
18	11.3	10.3W	33 48.240	-0.0069	18	-37 45 33.32	-0.005	18	0.32	48.340	15	35.4	33.25	21	35.4			C8	5442	C -37 7355	
19	9.8	9.7W	33 48.959	-0.0022	13	-36 54 8.71	0.003	13	0.26	48.991	15	35.4	8.75	21	35.4	A0		C8	5443	C -36 7288	
20	10.0	8.8W	34 1.410	-0.0021	13	-39 16 4.54	-0.006	13	0.26	1.442	15	35.4	4.45	21	35.4	K5		C8	5444	C -38 7228	
21	10.3	8.9W	34 4.341	0.0014	21	-31 44 11.95	0.038	21	0.42	4.316	22	32.9	12.61	21	32.9	K5		C7	5746	C -31 9125	
22		5.9T	34 5.867	0.0030	06	-33 17 33.99	-0.041	05	0.27	5.738	10	07.3	32.03	10	02.5	K0		GC	15917K	C*-32 8199	
23		6.9T	34 6.854	0.0016	12	-35 50 40.67	-0.017	10	0.61	6.773	18	00.3	39.78	18	96.0	F0		GC	15918	C*-35 7324	
24	10.9	9.9W	34 7.483	-0.0014	21	-32 13 6.83	0.016	21	0.42	7.506	22	32.9	7.11	21	32.9	G5	L	C7	5748	C -31 9126	
25		7.5T	34 9.331	-0.0206	11	-34 22 17.33	0.109	09	0.53	10.386	17	98.7	23.20	17	96.0	F5		GC	15922	C -33 7845	
26	8.5	8.5W	34 10.828	-0.0024	21	-32 38 58.21	-0.040	21	0.42	10.868	22	32.9	57.52	21	32.9	A2		C7	5750	C -32 8200	
27		6.5T	34 12.515	-0.0014	13	-36 57 38.61	-0.023	12	0.66	12.584	17	00.0	37.36	18	96.4	A0		GC	15923	C -36 7291	
28	8.7	7.8W	34 19.648	-0.0005	13	-36 45 43.29	-0.023	13	0.26	19.641	15	35.4	42.95	21	35.4	K0		C8	5447	C -36 7293	
29	11.3	10.1W	34 21.741	-0.0049	21	-31 52 56.07	-0.049	21	0.43	21.826	22	32.4	55.21	21	32.4			C7	5751	C -31 9130	
30	9.9	9.1W	34 25.031	-0.0031	21	-31 28 37.84	0.048	21	0.43	25.086	22	32.4	38.69	21	32.4	K0		C7	5752	C -31 9131	
31	10.5	9.6W	34 27.202	-0.0066	21	-34 14 27.70	-0.021	21	0.43	27.319	22	32.4	27.33	21	32.4	G5	L	C7	5753	C -33 7847	
32	9.2	8.3W	34 27.754	0.0004	21	-32 12 15.22	-0.103	21	0.43	27.746	22	32.4	13.41	21	32.4	K0		C7	5754	C -31 9132	
33		7.0T	34 29.996	-0.0032	10	-38 40 57.38	-0.010	07	0.38	30.125	14	09.5	56.92	14	06.1	A0		GC	15929	C -38 7230	
34		6.4T	34 32.069	-0.0011	07	-32 42 36.65	-0.083	05	0.32	32.117	14	05.4	32.53	14	00.6	F5		GC	15930	C -32 8202	
35		7.4T	34 36.195	0.0040	14	-38 43 4.88	-0.016	11	0.68	35.998	22	01.0	4.03	19	95.5	K2		GC	15931	C -38 7231	
36	9.7	8.2W	34 36.726	-0.0002	13	-35 18 32.31	-0.052	13	0.26	36.729	15	35.4	31.55	21	35.4	K5		C8	5450	C -34 7579	
37	9.4	9.5W	34 38.660	-0.0041	13	-36 16 1.66	-0.035	13	0.26	38.720	15	35.4	1.15	21	35.4	A2		C8	5451	C -35 7328	
38		8.9T	34 39.963	0.0028	18	-39 11 30.53	-0.126	18	0.86	39.837	24	05.1	24.81	24	04.8	F8		GC	15934	C -38 7232	
39	9.4	8.4W	34 48.187	-0.0018	21	-34 47 39.28	-0.019	21	0.43	48.219	22	32.4	38.94	21	32.4	K5		C7	5756	C -34 7580	
40	10.4		34 49.263	-0.0046	30	-37 46 14.63	0.015	30	0.47	49.330	15	35.4	14.85	21	35.4	F5	L	C8	5454	C -37 7368	
41	7.8	7.6W	35 0.559	-0.0008	13	-36 27 2.43	-0.012	13	0.26	0.570	15	35.4	2.25	21	35.4	F8		C8	5455	C -36 7297	
42		6.9T	35 4.447	0.0008	11	-39 4 54.61	-0.021	11	0.61	4.405	21	98.2	53.54	19	97.7	M0		GC	15943	C -38 7237	
43	10.9	9.9W	35 7.833	-0.0095	13	-37 22 4.66	-0.014	13	0.26	7.971	15	35.4	4.45	21	35.4	K0	L	C8	5458	C -36 7298	
44	11.1	10.0W	35 8.437	-0.0058	13	-36 35 35.70	-0.003	13	0.26	8.521	15	35.4	35.65	21	35.4	K0	L	C8	5459	C -36 7299	
45		9.1R	35 14.050	-0.0005	17	-30 1 49.14	-0.065	17	0.31	14.058	13	83.8	48.09	16	33.8	K0	J	13B	7636	J -29 9229	
46		7.1T	35 17.298	-0.0061	12	-30 56 26.33	-0.054	09	0.56	17.606	18	99.5	23.50	15	97.6	G5		GC	15952	C -30 9349	
47	9.3	8.4W	35 23.273	-0.0039	13	-36 17 10.40	-0.003	13	0.26	23.330	15	35.4	10.35	21	35.4	K0		C8	5460	C -35 7340	
48	9.8	9.9W	35 25.408	-0.0033	21	-30 55 54.83	-0.037	21	0.43	25.466	22	32.4	54.19	21	32.4	A8	L	C7	5758	C -30 9350	
49	9.7	9.4W	35 32.876	-0.0038	13	-36 57 50.84	-0.054	13	0.26	32.931	15	35.4	50.05	21	35.4	F8		C8	5461	C -36 7301	
50	9.4	9.2W	35 33.287	0.0004	13	-37 23 58.50	-0.010	13	0.26	33.281	15	35.4	58.35	21	35.4	G0		C8	5462	C -36 7302	
51	9.4	9.3W	11 35 37.591	-0.0021	21	-34 16 4.16	-0.030	21	0.43	37.629	22	32.4	3.63	21	32.4	A3		C7	5759	C -33 7862	
52	10.3	9.8W	35 37.898	0.0005	13	-36 32 7.63	-0.060	13	0.26	37.891	15	35.4	6.75	21	35.4	G0	L	C8	5463	C -36 7303	
53	10.3	9.5W	35 42.857	-0.0012	21	-34 5 40.35	-0.001	21	0.43	42.879	22	32.4	40.33	21	32.4	K0	L	C7	5760	C -33 7863	
54	10.5		35 43.849	-0.0096	13	-35 8 26.64	0.008	13	0.26	43.989	15	35.4	26.75	21	35.4	K0		C8	5464	C -34 7591	
55	10.1		35 50.467	-0.0002	13	-36 23 13.00	-0.017	13	0.26	50.470	15	35.4	12.75	21	35.4	A8	L	C8	5465	C -35 7343	
56		7.5T	35 51.782	-0.0027	12	-33 19 43.77	-0.014	08	0.56	51.913	18	01.0	43.03	15	98.1	A0		GC	15969	C -32 8212	
57	9.9	9.0W	35 54.645	-0.0004	18	-38 12 3.32	-0.025	18	0.32	54.650	15	35.4	2.95	21	35.4	K2		C8	5466	C -37 7379	
58		9.2R	35 58.489	-0.0020	12	-30 0 52.59	-0.020	12	0.25	58.521	16	33.8	52.27	16	33.8	F5	J	13B	7641	J -29 9236	
59	8.8	8.6W	36 1.367	-0.0029	21	-33 56 55.92	-0.022	21	0.43	1.419	22	32.4	55.53	21	32.4	F0		C7	5762	C -33 7865	
60		7.8T	36 12.129	0.0000	12	-38 58 13.78	0.001	11	0.64	12.128	22	99.3	13.86	17	98.8	A0		GC	15980	C -38 7247	
61	10.8	9.5W	36 26.083	-0.0014	21	-33 58 35.80	0.002	21	0.43	26.109	22	32.4	35.83	21	32.4			C7	5763	C -33 7869	
62	10.1	9.9W	36 26.623	0.0005	21	-30 14 19.46	-0.022	21	0.43	26.615	22	32.4	19.07	21	32.4	F8	L	C7	5764	C -29 9239	
63	9.4	9.3W	36 27.084	-0.0005	13	-39 2 57.31	-0.004	13	0.26	27.092	15	35.4	57.25	21	35.4	F0		C8	5471	C -38 7253	
64	8.7	7.6W	36 28.286	-0.0059	13	-39 35 0.53	0.015	13	0.26	28.373	15	35.4	0.75	21	35.4	K2		C8	5472	C -39 7229	
65	10.8	9.6W	36 29.685	-0.0019	21	-34 15 7.82	-0.011	21	0.43	29.719	22	32.4	7.63	21	32.4	K0	L	C7	5765	C -33 7873	
66	10.3	9.4W	36 32.568	-0.0022	13	-35 57 55.30	-0.017	13	0.26	32.600	15	35.4	55.05	21	35.4	K0	L	C8	5473	C -35 7351	
67	8.6	8.6W	36 34.539	-0.0015	21	-30 36 3.38	0.029	21	0.43	34.566	22	32.4	3.89	21	32.4	A5		C7	5766	C -30 9366	
68	9.0	9.3W	36 37.032	-0.0041	13	-37 28 36.11	-0.004	13	0.26	37.091	15	35.4	36.05	21	35.4	A0		C8	5474	C -37 7386	
69	9.2	9.1W	36 42.904	-0.0041	21	-30 46 1.59	-0.029	21	0.43	42.976	22	32.4	1.09	21	32.4	F2		C7	5767	C -30 9369	
70		8.3R	36 46.656	0.0041	17	-30 4 16.49	-0.024	17	0.31	46.589	16	33.8	16.11	16	33.8	G5	J	13B	7650	J -29 9247	
71		8.1T	36 53.754	0.0015	11	-39 6 26.41	-0.036	11	0.65	53.673	21	96.5	24.46	19	95.1	G5		GC	15994	C -38 7259	
72	9.6	8.5W	36 53.842	-0.0042	21	-30 55 49.05	0.019	21	0.43	53.916	22	32.4	49.39	21	32.4	K2		C7	5768	C -30 9370	
73	10.0	9.3W	36 54.788	-0.0023	21	-34 29 1.33	-0.000	21	0.43	54.829	22	32.4	1.33	21	32.4	K0	L	C7	5769	C -34 7604	
74	11.2	10.0W	36 58.354	0.0043	23	-36 40 36.59	0.045	23	0.38	58.291	15	35.4	37.25	21	35.4	G8	L	C8	5476	C -36 7314	
75	7.6	7.4W	37 0.902	-0.0006	13	-37 9 15.57	-0.015	13	0.26	0.911	15	35.4	15.35	21	35.4	F8		C8	5477	C -36 7316	
76	9.7	9.3W	37 3.990	-0.0133	21	-30 12 22.28	-0.006	21	0.43	4.225	22	32.4	22.17	21	32.4	G5		C7	5770	C -29 9251	
77	8.2	7.7W	37 8.137	-0.0200	21	-34 57 22.03	0.001	21	0.43	8.489	22	32.4	22.04	21	32.4	G5		C7	5772	C -34 7607	
78	9.8	8.9W	37 8.312	-0.0037	21	-32 19 18.19	0.012	21	0.43	8.376	22	32.4	18.41	21	32.4	K0		C7	5771	C -31 9157	
79	10.3	9.9W	37 11.270	-0.0044	21	-32 12 41.38	0.024	21	0.43	11.346	22	32.4	41.81	21	32.4	G5		C7	5773	C -31 9158	
80	10.9	10.0W	37 15.250	-0.0033	21	-34 17 25.18	-0.014	21	0.43	15.309	22	32.4	24.93	21	32.4	G5	L	C7	5774	C -33 7878	
81		7.4T	37 16.011	-0.0002	11	-34 42 17.29	-0.015	09	0.55	16.021	17	98.8	16.50	15	95.1	K5		GC	16006	C -34 7608	
82	10.7	9.7W	37 18.442	-0.0032	21	-33 40 33.24	-0.012	21	0.43	18.499	22	32.4	33.03	21	32.4	K0	L	C7	5776	C -33 7879	
83	10.3	9.5W	37 21.203	-0.0012	13	-36 23 40.84	-0.061	13	0.26	21.220	15	35.4	39.95	21	35.4	K1	L	C8	5479	C -35 7358	
84	10.3	9.3W	37 22.964	-0.0019	09	-37 12 56.09	-0.030	09	0.22	22.991	15	35.4	55.65	21	35.4			C8	5480	C -36 7322	
85	11.6		37 25.046	-0.0038	18	-38 13 33.54	0.008	18	0.32	25.101	15	35.4	33.65	21	35.4	K0	L	C8	5481	C -37 7395	
86		7.1T	37 27.593	-0.0030	16	-33 10 21.30	-0.047	13	0.73	27.735	18	02.4	18.91	18	99.5	K0		GC	16012K	C*-32 8226	
87	10.0	9.9W	37 27.765	-0.0012	21	-31 9 1.23	-0.031	21	0.43	27.786	22	32.4	0.69	21	32.4	F8		C7	5778	C -30 9382	
88	10.4	10.0W	37 29.565	-0.0012	21	-31 25 42.78	0.023	21	0.43	29.586	22	32.4	43.19	21	32.4	K0	L	C7	5779	C -31 9159	
89		6.6T	37 29.770	-0.0047	13	-37 49 51.30	-0.021	12	0.69	30.007	22	99.3	50.19	21	98.0	G5		GC	16014K	C -37 7399	
90	8.6	7.8W	37 31.166	0.0001	21	-30 12 9.20	-0.013	21	0.43	31.165	22	32.4	8.97	21	32.4	K0		C7	5780	C -29 9256	
91		9.5T	37 31.226	-0.0037	16	-37 49 54.42	-0.063	17	0.77	31.393	22	04.9	51.58	21	05.2	G5		GC	16015K	C -37 7399	
92	10.1	8.6W	37 31.742	-0.0013	09	-36 37 15.94	0.001	09	0.22	31.761	15	35.4	15.95	21	35.4	K2		C8	5484	C -36 7323	
93	9.2	9.1W	37 31.829	-0.0022	13	-39 10 3.78	-0.002	13	0.26	31.861	15	35.4	3.75	21	35.4	F0		C8	5485	C -38 7263	
94	10.1	10.0W	37 40.618	-0.0028	21	-31 30 27.35	-0.031	21	0.43	40.666	22	32.4	26.81	21	32.4	G0		C7	5781	C -31 9162	
95		4.9H	37 43.438	-0.0036	02	-34 28 2.58	-0.003	02	0.09	43.552	04	18.5	2.48	04	16.2	B8		F4	439	C -34 2610	
96		7.6T	37 45.051	-0.0014	12	-38 52 8.75	-0.034	11	0.65	45.119	18	00.5	6.92	19	95.4	A2		GC	16021	C -38 7264	
97	9.9	8.6W	37 45.184	-0.0060	21	-34 57 41.54	-0.045	21	0.43	45.289	22	32.4	40.74	21	32.4	K5		C7	5783	C -34 7611	
98	9.4	9.2W	37 49.975	-0.0036	21	-34 10 24.07	-0.008	21	0.43	50.039	22	32.4	23.93	21	32.4	F5		C7	5784	C -33 7885	
99	9.4	9.6W	37 52.670	-0.0069	13	-35 34 3.32	0.043	13	0.26	52.770	15	35.4	3.95	21	35.4	A0		C8	5487	C -35 7365	
00	10.2	10.0W	38 11.197	-0.0080	21	-34 12 14.04	0.005	21	0.43	11.339	22	32.4	14.13	21	32.4	F5	L	C7	5785	C -33 7888	

202700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 11H DM NUMBER
1	9.8	9.0W	11 38 13.107	-0.0069	21	-33 58 47.33	-0.091	21	0.43	13.229	22	32.4	45.73	21	32.4	G5	C7	5786	C -33 7689
2	8.9	8.6W	38 15.263	-0.0059	21	-33 10 26.58	-0.003	21	0.43	15.368	22	32.4	26.52	21	32.4	F8	C7	5787	C -32 8238
3	10.2	10.0W	38 20.176	-0.0017	21	-30 46 28.37	0.035	21	0.43	20.206	22	32.4	28.99	21	32.4	F8 L	C7	5788	C -30 9390
4	10.7	9.9W	38 22.504	-0.0048	21	-34 15 45.90	0.013	21	0.43	22.589	22	32.4	46.13	21	32.4	F8 L	C7	5789	C -33 7892
5	10.5		38 23.982	0.0015	21	-31 19 10.54	-0.009	21	0.43	23.956	22	32.4	10.39	21	32.4	F8 L	C7	5790	C -30 9392
6	9.0	9.0W	38 30.661	-0.0021	21	-33 38 58.43	-0.011	21	0.43	30.699	22	32.4	58.23	21	32.4	A0	C7	5791	C -33 7895
7		8.7R	38 37.492	-0.0012	21	-30 0 19.88	-0.001	21	0.37	37.512	16	33.8	19.86	16	33.8	F8 J	13B	7670	J -29 9274
8	10.7	9.3W	38 37.993	0.0037	21	-34 17 15.29	0.014	21	0.43	37.926	22	32.4	15.53	21	32.4	K2 L	C7	5792	C -33 7896
9	10.4		38 39.293	-0.0025	13	-35 27 13.58	-0.043	13	0.26	39.329	15	35.4	12.95	21	35.4	G2 L	C8	5489	C -35 7372
10	10.3	9.7W	38 40.637	0.0006	21	-31 51 59.05	0.003	21	0.43	40.626	22	32.4	59.11	21	32.4	K0	C7	5793	C -31 9173
11	9.8	9.5W	38 43.147	-0.0085	15	-37 30 50.65	-0.027	15	0.29	43.270	15	35.4	50.25	21	35.4	G5	C8	5490	C -37 7414
12	10.6	9.8W	38 48.855	-0.0041	21	-31 51 44.55	0.020	21	0.43	48.926	22	32.4	44.91	21	32.4	K0	C7	5794	C -31 9174
13	9.1	8.3W	38 49.094	-0.0008	21	-34 13 20.38	-0.014	21	0.43	49.109	22	32.4	20.13	21	32.4	K0	C7	5795	C -33 7899
14		7.1T	38 53.044	-0.0058	12	-35 19 35.21	-0.022	10	0.39	53.335	18	99.9	34.01	18	96.8	A3	GC	16049	C -34 7619
15	9.4	9.7W	39 3.399	-0.0063	13	-36 30 58.21	-0.038	13	0.26	3.491	15	35.4	57.65	21	35.4	A0	C8	5492	C -36 7339
16	10.4	9.3W	39 4.932	-0.0009	21	-34 16 33.27	-0.025	21	0.43	4.949	22	32.4	32.83	21	32.4	K0	C7	5796	C -33 7902
17		8.3T	39 13.858	0.0001	05	-32 13 17.96	-0.046	04	0.25	13.853	09	02.8	15.60	09	99.0	K5	GC	16055K	C*-31 9101
18		8.4T	39 17.405	-0.0020	12	-32 12 29.99	-0.043	08	0.53	17.504	17	00.5	27.65	17	95.9	G0	GC	16058	C -31 9182
19	10.6	9.6W	39 19.014	-0.0012	13	-36 41 2.02	-0.025	13	0.26	19.031	15	35.4	1.65	21	35.4	G8 L	C8	5494	C -36 7345
20	9.9	8.7W	39 21.373	-0.0065	21	-32 16 39.66	-0.009	21	0.43	21.486	22	32.4	39.51	21	32.4	K2	C7	5799	C -31 9183
21	8.9	8.0W	39 27.333	0.0008	18	-39 0 22.01	-0.038	18	0.32	27.321	15	35.4	21.45	21	35.4	K0	C8	5496	C -38 7276
22	11.0	10.1W	39 40.834	0.0004	21	-33 8 43.78	-0.009	21	0.43	40.828	22	32.4	43.62	21	32.4		C7	5800	C -32 8254
23	9.8	9.9W	39 42.303	-0.0026	21	-33 48 55.94	-0.063	21	0.43	42.349	22	32.4	54.83	21	32.4	A2	C7	5801	C -33 7906
24	10.0	8.8W	39 42.483	0.0008	13	-38 3 52.22	-0.039	13	0.26	42.471	15	35.4	51.65	21	35.4	K5	C8	5497	C -37 7425
25	8.8	8.1W	40 2.986	-0.0140	06	-35 42 58.21	-0.052	06	0.20	3.190	15	35.4	57.45	21	35.4	K0	C8	5499	C -35 7390
26	10.0	9.6W	40 7.407	-0.0099	13	-37 19 47.93	-0.019	13	0.26	7.551	15	35.4	47.65	21	35.4	G0 L	C8	5500	C -36 7357
27	10.4	9.7W	40 10.099	0.0007	21	-32 51 31.21	0.012	21	0.43	10.088	22	32.4	31.42	21	32.4	K0	C7	5802	C -32 8263
28	10.1	9.4W	40 16.365	0.0030	13	-37 7 14.55	0.007	13	0.26	16.321	15	35.4	14.65	21	35.4	K2 L	C8	5501	C -36 7360
29	9.7	9.4W	40 18.375	-0.0065	13	-35 32 17.06	-0.014	13	0.26	18.470	15	35.4	16.85	21	35.4	G0	C8	5502	C -35 7392
30	9.5	9.4W	40 22.280	-0.0076	13	-37 19 27.77	0.040	13	0.26	22.391	15	35.4	28.35	21	35.4	F8	C8	5503	C -36 7364
31	8.6	8.8W	40 22.842	-0.0013	14	-38 0 44.22	0.023	14	0.27	22.861	15	35.4	44.55	21	35.4	A0	C8	5504	C -37 7429
32	9.9	8.8W	40 27.221	-0.0016	21	-35 1 43.92	-0.010	21	0.43	27.269	22	32.4	43.75	21	32.4	K0	C7	5803	C -34 7637
33		9.5R	40 31.361	0.0017	20	-30 0 57.92	0.075	20	0.35	31.334	16	33.8	59.14	16	33.8	K0 M	13B	7681	J -29 9294
34	8.6	8.5W	40 32.620	0.0006	18	-39 16 3.15	-0.007	18	0.32	32.612	15	35.4	3.05	21	35.4	F2	C8	5505	C -38 7286
35	9.2	9.1W	40 33.965	-0.0045	13	-35 44 40.00	-0.005	13	0.26	34.030	15	35.4	39.95	21	35.4	G0	C8	5506	C -35 7393
36	9.6	9.9W	40 36.950	-0.0026	21	-31 21 57.09	-0.006	21	0.43	36.996	22	32.4	56.99	21	32.4	A0	C7	5804	C -30 9410
37	10.7		40 39.696	-0.0046	21	-32 6 20.02	0.005	21	0.43	39.776	22	32.4	20.11	21	32.4	F5 L	C7	5805	C -31 9196
38	10.6	10.0W	40 43.371	-0.0044	21	-34 15 21.68	-0.020	21	0.43	43.449	22	32.4	21.33	21	32.4	G5 L	C7	5806	C -33 7915
39	8.6	8.4W	40 44.275	-0.0134	09	-39 9 43.27	0.081	09	0.22	44.472	15	35.4	44.45	21	35.4	G0	C8	5507	C -38 7289
40	9.6	8.8W	40 47.304	-0.0004	13	-35 27 37.29	0.025	13	0.26	47.309	15	35.4	37.65	21	35.4	G5	C8	5508	C -35 7397
41	9.0	9.0W	40 53.488	-0.0043	13	-36 2 3.28	-0.002	13	0.26	53.550	15	35.4	3.25	21	35.4	A5	C8	5509	C -35 7400
42	10.8	9.9W	40 54.230	-0.0021	13	-36 6 26.39	-0.044	13	0.26	54.260	15	35.4	25.75	21	35.4		C8	5510	C -35 7401
43	9.8	9.9W	40 57.088	-0.0010	21	-31 26 22.99	0.000	21	0.43	57.106	22	32.4	22.99	21	32.4	F0	C7	5807	C -31 9199
44		6.1T	40 57.463	-0.0004	06	-36 54 44.25	-0.030	07	0.29	57.480	09	06.6	42.93	10	06.5	K2	GC	16046	C -36 7371
45	9.2	8.4W	40 59.304	-0.0001	21	-30 44 43.16	-0.010	21	0.43	59.306	22	32.4	42.99	21	32.4	K0	C7	5808	C -30 9413
46	9.2	8.3W	40 59.426	-0.0001	21	-33 36 29.31	-0.050	21	0.43	59.429	22	32.4	28.43	21	32.4	K2	C7	5809	C -33 7916
47	10.0	9.7W	41 0.959	-0.0050	21	-32 39 28.47	0.026	21	0.43	1.048	22	32.4	28.92	21	32.4	G0	C7	5810	C -32 8275
48	9.6	9.7W	41 13.299	-0.0050	21	-31 50 59.92	-0.001	21	0.43	13.386	22	32.4	59.91	21	32.4	A2	C7	5811	C -31 9201
49	7.9	7.6W	41 17.253	0.0104	05	-38 38 28.28	-0.057	05	0.20	17.102	15	35.4	27.45	21	35.4	F8	C8	5513	C -38 7297
50	10.1	9.8W	41 17.343	-0.0014	21	-32 57 4.29	-0.015	21	0.43	17.368	22	32.4	4.02	21	32.4	G5	C7	5812	C -32 8279
51	10.0	9.7W	11 41 18.121	-0.0032	21	-33 28 15.36	-0.042	21	0.43	18.178	22	32.4	14.62	21	32.4	F8	C7	5813	C -33 7919
52	9.4	9.1W	41 19.858	-0.0080	21	-34 58 14.87	-0.041	21	0.43	19.999	22	32.4	14.14	21	32.4	G0	C7	5814	C -34 7647
53	11.1	9.8W	41 20.401	-0.0015	21	-32 40 35.60	-0.004	21	0.43	20.428	22	32.4	35.52	21	32.4	K5 L	C7	5815	C -32 8280
54	10.5	9.8W	41 21.252	-0.0014	21	-31 40 55.67	0.002	21	0.43	21.276	22	32.4	55.71	21	32.4	K5	C7	5816	C -31 9206
55	8.9	8.9W	41 30.025	0.0016	21	-31 43 35.08	-0.044	21	0.43	29.996	22	32.4	34.31	21	32.4	F0	C7	5817	C -31 9208
56	8.2	7.9W	41 31.552	0.0008	13	-36 1 20.07	-0.056	13	0.26	31.540	15	35.4	19.25	21	35.4	F8	C8	5514	C -35 7404
57	9.2	9.2W	41 38.743	0.0002	13	-36 29 48.30	-0.003	13	0.26	38.740	15	35.4	48.25	21	35.4	A3	C8	5515	C -36 7376
58	9.4	9.1W	41 45.875	-0.0019	21	-34 11 23.47	-0.036	21	0.43	45.909	22	32.4	22.83	21	32.4	F5	C7	5818	C -33 7927
59	8.3	8.3W	41 48.567	-0.0045	21	-31 20 53.28	-0.034	21	0.43	48.646	22	32.4	52.69	21	32.4	A3	C7	5819	C -30 9420
60	8.7	8.4W	41 50.766	-0.0059	13	-39 33 44.37	0.026	13	0.26	50.853	15	35.4	44.75	21	35.4	G0	C8	5516	C -39 7279
61	10.4		41 54.597	-0.0024	21	-33 17 51.13	-0.040	21	0.43	54.638	22	32.4	50.42	21	32.4	F5	C7	5820	C -32 8286
62	10.3	10.1W	41 58.884	0.0015	21	-32 43 56.66	-0.025	21	0.43	58.858	22	32.4	56.22	21	32.4	G0	C7	5821	C -32 8287
63	9.8	9.9W	42 1.136	-0.0038	15	-38 12 7.90	0.010	15	0.29	1.190	15	35.4	8.05	21	35.4	A0	C8	5517	C -37 7444
64	10.5	10.1W	42 18.330	-0.0095	21	-32 58 59.21	-0.005	21	0.43	18.498	22	32.4	59.12	21	32.4	G5	C7	5822	C -32 8293
65	8.0	7.5W	42 22.800	-0.0041	13	-36 7 56.56	-0.028	13	0.26	22.860	15	35.4	56.15	21	35.4	G0	C8	5519	C -35 7414
66	8.7	8.5W	42 32.405	-0.0018	12	-38 4 2.45	-0.027	12	0.25	32.431	15	35.4	2.05	21	35.4	F8	C8	5520	C -37 7447
67	8.8	8.0W	42 32.818	-0.0010	21	-31 29 56.68	-0.062	21	0.43	32.836	22	32.4	55.59	21	32.4	K2	C7	5823	C -31 9217
68	10.2	9.9W	42 38.019	0.0024	21	-33 21 41.49	-0.055	21	0.43	37.978	22	32.4	40.52	21	32.4	F8	C7	5824	C -32 8294
69	10.2	9.6W	42 40.324	-0.0039	13	-37 14 20.00	-0.010	13	0.26	40.381	15	35.4	19.85	21	35.4		C8	5521	C -36 7389
70	9.7	8.8W	42 47.994	-0.0020	21	-34 31 56.87	0.010	21	0.43	48.029	22	32.4	57.04	21	32.4	K5	C7	5825	C -34 7658
71	8.8	7.9W	42 48.736	0.0031	06	-36 7 32.06	-0.076	06	0.20	48.690	15	35.4	30.95	21	35.4	K0	C8	5522	C -35 7416
72	10.2		42 53.597	-0.0009	13	-36 7 50.86	-0.028	13	0.26	53.610	15	35.4	50.45	21	35.4	K2 L	C8	5523	C -35 7417
73	10.0	9.5W	42 54.409	0.0002	21	-31 26 1.05	-0.015	21	0.43	54.406	22	32.4	0.79	21	32.4	K0	C7	5826	C -31 9223
74	8.3	8.4W	42 56.513	-0.0046	13	-36 4 26.90	-0.010	13	0.26	56.580	15	35.4	26.75	21	35.4	A5	C8	5524	C -35 7419
75	8.1	7.9W	42 58.015	-0.0169	07	-37 20 40.05	-0.014	07	0.21	58.261	15	35.4	39.85	21	35.4	F2	C8	5527	C -36 7394
76	8.8	8.7W	43 0.013	0.0005	21	-30 13 11.43	0.025	21	0.43	0.005	22	32.4	11.87	21	32.4	F5	C7	5827	C*-29 9318
77	10.8		43 1.458	-0.0148	21	-33 32 32.46	-0.024	21	0.43	1.719	22	32.4	32.03	21	32.4	G5 L	C7	5828	C -33 7942
78	10.4		43 2.852	-0.0037	21	-32 5 54.06	0.014	21	0.43	2.916	22	32.4	54.31	21	32.4	F2 L	C7	5829	C -31 9226
79	8.7	7.7W	43 6.854	-0.0031	13	-35 19 38.35	0.007	13	0.26	6.899	15	35.4	38.45	21	35.4	K0	C8	5528	C -34 7661
80	9.0	7.9W	43 8.645	-0.0023	21	-30 40 39.15	-0.015	21	0.43	8.686	22	32.4	38.89	21	32.4	K2	C7	5830	C -30 9432
81	9.2	8.6W	43 12.191	0.0008	21	-31 59 8.63	-0.047	21	0.43	12.176	22	32.4	7.81	21	32.4	G5	C7	5831	C -31 9227
82	10.1	9.6W	43 15.578	-0.0011	21	-31 42 4.42	0.005	21	0.43	15.596	22	32.4	4.51	21	32.4	K0	C7	5832	C -31 9228
83	11.1		43 17.260	-0.0076	18	-39 2 54.95	-0.041	18	0.32	17.372	15	35.4	54.35	21	35.4	G5 L	C8	5529	C -38 7319
84	9.9	9.6W	43 18.511	-0.0048	13	-37 12 14.27	-0.090	13	0.26	18.581	15	35.4	12.95	21	35.4	G0 L	C8	5530	C -36 7398
85	10.5	10.0W	43 23.030	-0.0008	21	-30 6 48.03	-0.009	21	0.43	23.045	22	32.4	47.87	21	32.4	G5 L	C7	5833	C -29 9321
86	10.3	10.0W	43 26.846	-0.0024	21	-33 56 12.32	0.018	21	0.43	26.889	22	32.4	12.63	21	32.4	F8	C7	5834	C -33 7948
87	9.7	9.6W	43 27.280	-0.0067	21	-33 33 30.37	-0.002	21	0.43	27.399	22	32.4	30.33	21	32.4	G0	C7	5835	C -33 7949
88	8.8	8.5W	43 35.652	0.0131	09	-37 52 3.73	-0.163	09	0.22	35.460	15	35.4	1.35	21	35.4	G5	C8	5531	C -37 7455
89	10.3	9.0W	43 47.788	0.0019	13	-36 21 33.81	-0.004	13	0.26	47.760	15	35.4	33.75	21	35.4	K5 L	C8	5532	C -35 7428
90		7.5T	43 51.151	0.0044	12	-34 28 30.61	-0.039	12	0.62	50.930	17	00.2	28.59	18	98.7	A0	GC	16142	C*-34 7672
91	10.8	9.9W	43 56.096	-0.0058	13	-36 23 5.31	0.010	13	0.26	56.180	15	35.4	5.45	21	35.4	K0 L	C8	5533	C -35 7431
92	10.3		43 58.491	-0.0049	21	-31 53 19.10	-0.011	21	0.43	58.576	22	32.4	18.91	21	32.4	F5	C7	5837	C -31 9238
93	9.3	9.1W	44 2.223	-0.0025	21	-32 3 6.05	-0.008	21	0.43	2.266	22	32.4	5.91	21	32.4	F5	C7	5838	C -31 9239
94	9.0	7.8W	44 2.608	-0.0016	21	-30 39 3.26	-0.044	21	0.43	2.636	22	32.4	2.49	21	32.4	K2	C7	5839	C -30 9445
95	9.3	9.2W	44 5.101	0.0007	18	-37 52 19.34	0.008	18	0.32	5.091	15	35.4	19.45	21	35.4	A5	C8	5534	C -37 7461
96	10.4	9.2W	44 9.843	-0.0020	10	-39 34 4.61	-0.018	10	0.23	9.872	15	35.4	4.35	21	35.4	K2 L	C8	5535	C -39 7299
97	10.6	9.5W	44 10.528	-0.0017	21	-34 4 15.45	-0.007	21	0.43	10.559	22	32.4	15.33	21	32.4	K5	C7	5840	C -33 7954
98	9.8	9.8W	44 29.318	-0.0057	21	-33 53 55.69	-0.009	21	0.43	29.419	22	32.4	55.53	21	32.4	A5	C7	5841	C -33 7955
99	9.5	9.6W	44 29.487	-0.0002	13	-36 7 59.65	-0.000	13	0.26	29.490	15	35.4	59.65	21	35.4	F2	C8	5536	C -35 7435
00	8.7	8.3W	44 30.414	-0.0040	21	-30 13 25.33	-0.037	21	0.43	30.485	22	32.4	24.67	21	32.4	F8	C7	5842	C -29 9332

202800			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-30° 11H	
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ'	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	10.9		11 44 30.835	0.0045	21	-31 12 17.77	-0.033	21	0.43	30.756	22	32.4	17.19	21	32.4	K0 L	C7	5843	C -30 9450	
2	10.0	9.7W	44 32.249	-0.0063	13	-36 15 48.28	0.005	13	0.26	32.340	15	35.4	48.35	21	35.4	F8 L	C8	5537	C -35 7437	
3	7.8	8.1W	44 34.940	-0.0027	21	-33 18 54.74	-0.018	21	0.43	34.988	22	32.4	54.42	21	32.4	A2	C7	5844	C -32 8310	
4	9.5	9.7W	44 35.957	-0.0000	21	-32 51 53.37	0.020	21	0.43	35.958	22	32.4	53.72	21	32.4	A2	C7	5845	C -32 8309	
5		6.3T	44 36.037	0.0025	12	-35 37 43.08	-0.041	12	0.64	35.909	17	00.0	40.95	18	98.6	K0	GC	16160	C*-35 7438	
6		9.7T	44 39.617	-0.0044	18	-36 35 14.98	-0.037	18	0.86	39.816	22	04.6	13.27	22	04.3	K5	GC	16161	C -36 7412	
7	7.6	7.7W	44 40.016	-0.0030	21	-35 7 8.09	0.020	21	0.43	40.069	22	32.4	8.44	21	32.4	F0	C7	5846	C -34 7681	
8	10.2	9.4W	44 41.175	0.0023	13	-36 51 11.83	0.015	13	0.26	41.141	15	35.4	12.05	21	35.4	K0 L	C8	5540	C -36 7415	
9	9.7	9.6W	44 42.872	0.0014	21	-32 32 27.58	-0.020	21	0.43	42.848	22	32.4	27.22	21	32.4	F8	C7	5847	C -32 8311	
10	9.4	8.6W	44 44.459	0.0001	21	-33 7 48.68	0.014	21	0.43	44.458	22	32.4	48.92	21	32.4	K2	C7	5848	C -32 8312	
11		6.6T	44 45.402	-0.0214	12	-30 0 20.31	-0.245	12	0.63	46.479	17	99.7	7.73	18	98.6	G0	GC	16162	C -29 9337	
12	9.4	9.6W	44 46.948	-0.0002	18	-38 25 27.43	-0.026	18	0.32	46.951	15	35.4	27.05	21	35.4	A0	C8	5541	C -38 7333	
13	10.0	9.9W	44 50.106	-0.0029	21	-32 6 51.64	0.015	21	0.43	50.156	22	32.4	51.91	21	32.4	F5	C7	5849	C -31 9250	
14		7.6T	44 54.916	-0.0013	13	-30 58 36.52	-0.019	10	0.65	54.983	18	98.3	35.46	18	94.3	B9	GC	16166	C -30 9454	
15	10.2	9.1W	44 57.014	-0.0024	21	-30 54 20.97	0.012	21	0.43	57.056	22	32.4	21.19	21	32.4	K	C7	5851	C -30 9456	
16	8.9	7.8W	44 58.647	0.0005	21	-33 37 17.43	-0.068	21	0.43	58.639	22	32.4	16.23	21	32.4	K2	C7	5852	C -33 7958	
17	10.1	9.9W	45 5.726	-0.0029	21	-32 53 33.76	-0.025	21	0.43	5.778	22	32.4	33.32	21	32.4	F8	C7	5853	C -32 8313	
18	9.3	9.3W	45 6.311	-0.0007	13	-37 6 28.64	-0.020	13	0.26	6.321	15	35.4	28.35	21	35.4	A3	C8	5542	C -36 7420	
19	9.1	8.8W	45 7.966	0.0010	21	-34 10 24.11	-0.027	21	0.43	7.949	22	32.4	23.63	21	32.4	F5	C7	5854	C -33 7959	
20			45 8.204	-0.0014	21	-32 59 54.41	0.001	21	0.43	8.228	22	32.4	54.42	21	32.4		C7	5855V	C*-32 8314	
21	9.8	9.1W	45 24.692	0.0009	21	-32 6 39.11	-0.012	21	0.42	24.676	22	32.9	38.91	21	32.9	K0	C7	5856	C -31 9256	
22	10.0	9.4W	45 25.892	0.0008	21	-33 48 13.36	-0.013	21	0.42	25.879	22	32.9	13.13	21	32.9	K0	C7	5857	C -33 7963	
23	9.0	8.9W	45 26.227	-0.0078	13	-36 59 2.44	-0.013	13	0.26	26.341	15	35.4	2.25	21	35.4	F0	C8	5544	C -36 7423	
24		7.2T	45 33.352	-0.0131	14	-34 56 46.82	-0.068	10	0.61	33.966	15	03.1	43.54	17	01.3	G5	GC	16174	C*-34 7692	
25	10.2	9.7W	45 38.639	-0.0049	18	-38 56 4.34	-0.006	18	0.32	38.712	15	35.4	4.25	21	35.4	G5 L	C8	5546	C -38 7339	
26	8.7	9.1W	45 39.942	-0.0009	21	-33 4 0.35	-0.031	21	0.42	39.958	22	32.9	59.82	21	32.9	A0	C7	5859	C -32 8323	
27	9.6	8.0W	46 5.531	0.0001	09	-38 27 45.98	0.012	09	0.22	5.530	15	35.4	46.15	21	35.4	K5	C8	5548	C -38 7343	
28	9.7	9.4W	46 6.734	-0.0039	18	-37 39 57.23	0.015	18	0.32	6.790	15	35.4	57.45	21	35.4	F5	C8	5549	C -37 7480	
29	10.4		46 7.969	-0.0074	21	-30 49 42.22	0.045	21	0.42	8.096	22	32.9	42.99	21	32.9	G2 L	C7	5860	C -30 9471	
30	10.4	9.6W	46 8.116	-0.0007	21	-34 6 0.75	-0.042	21	0.42	8.129	22	32.9	0.03	21	32.9	K5	C7	5861	C -33 7969	
31	8.0	6.4W	46 8.147	-0.0002	13	-35 42 31.65	-0.000	13	0.26	8.150	15	35.4	31.65	21	35.4	M8	C8	5550	C -35 7454	
32	9.9	9.1W	46 20.895	-0.0011	13	-38 3 21.88	-0.057	13	0.26	20.910	15	35.4	21.05	21	35.4	K0	C8	5551	C -37 7483	
33	10.2		46 24.713	-0.0094	08	-35 39 21.24	-0.013	08	0.22	24.850	15	35.4	21.05	21	35.4	F5 L	C8	5552	C -35 7459	
34	10.5	9.8W	46 28.358	-0.0024	21	-32 34 21.36	-0.008	21	0.42	28.398	22	32.9	21.22	21	32.9	K2	C7	5862	C -32 8332	
35	10.5	9.6W	46 36.840	-0.0008	13	-37 17 18.16	-0.014	13	0.26	36.851	15	35.4	17.95	21	35.4	K0 L	C8	5553	C -36 7438	
36	10.2	10.0W	46 40.919	-0.0006	21	-33 19 21.66	-0.037	21	0.42	40.928	22	32.9	21.02	21	32.9	G5	C7	5863	C -32 8335	
37	9.3	8.4W	46 43.209	-0.0038	21	-30 23 20.46	0.065	21	0.42	43.274	22	32.9	21.57	21	32.9	K0	C7	5864	C -29 9359	
38	10.4	9.7W	46 44.039	-0.0004	21	-30 49 25.48	0.006	21	0.42	44.046	22	32.9	25.59	21	32.9	K2	C7	5865	C -30 9476	
39	9.1	8.9W	46 55.970	-0.0041	13	-37 52 57.42	0.009	13	0.26	56.030	15	35.4	57.55	21	35.4	F2	C8	5554	C -37 7489	
40	10.2	9.5W	46 56.556	-0.0024	21	-32 30 30.51	-0.005	21	0.42	56.598	22	32.9	30.42	21	32.9	K5	C7	5866	C -32 8340	
41	9.8	9.6W	47 1.216	-0.0031	21	-34 41 35.76	-0.024	21	0.42	1.270	22	32.9	35.34	21	32.9	G5	C7	5867	C -34 7718	
42	9.8	9.8W	47 8.670	-0.0010	21	-32 25 49.26	-0.044	21	0.42	8.686	22	32.9	48.51	21	32.9	G0	C7	5868	C -32 8343	
43	8.1	8.0W	47 11.761	-0.0056	21	-32 9 58.86	0.020	21	0.42	11.856	22	32.9	59.21	21	32.9	F8	C7	5869	C -31 9279	
44	10.4	9.7W	47 12.418	-0.0022	13	-36 21 17.73	-0.060	13	0.26	12.450	15	35.4	16.85	21	35.4	G5 L	C8	5555	C -35 7470	
45	10.5	9.0W	47 13.570	-0.0011	21	-33 0 8.57	-0.014	21	0.42	13.588	22	32.9	8.32	21	32.9	K5	C7	5870	C -32 8345	
46	10.6	9.5W	47 20.766	-0.0017	21	-32 46 2.61	-0.011	21	0.42	20.738	22	32.9	2.42	21	32.9	K	C7	5871	C -32 8347	
47	9.8	9.1W	47 21.044	-0.0013	21	-31 12 1.24	0.038	21	0.42	21.066	22	32.9	1.89	21	32.9	K0	C7	5872	C -30 9483	
48	10.6	10.1W	47 21.154	-0.0037	21	-33 16 24.95	0.010	21	0.42	21.218	22	32.9	25.12	21	32.9	K0	C7	5873	C -32 8348	
49	11.3		47 21.554	-0.0073	23	-38 46 31.85	-0.000	23	0.38	21.661	15	35.4	31.85	21	35.4	F5 L	C8	5557	C -38 7355	
50	10.2	9.2W	47 22.409	0.0001	21	-32 13 40.08	-0.016	21	0.42	22.406	22	32.9	39.81	21	32.9	K2	C7	5874	C -31 9282	
51		7.3T	11 47 28.754	-0.0032	13	-39 59 52.82	0.020	10	0.65	28.913	22	00.4	53.95	19	95.0	K0	GC	16205	C -39 7328	
52	10.8	9.6W	47 30.776	-0.0018	21	-32 8 16.94	0.010	21	0.42	30.806	22	32.9	17.11	21	32.9	K5 L	C7	5875	C -31 9285	
53	9.5	9.5W	47 34.315	-0.0026	21	-34 40 13.65	-0.018	21	0.42	34.360	22	32.9	13.34	21	32.9	F0 L	C7	5876	C -34 7723	
54	10.4	9.5W	47 36.230	-0.0008	21	-30 15 14.15	-0.010	21	0.42	36.245	22	32.9	13.97	21	32.9	K0 L	C7	5877	C -29 9370	
55	10.0	9.6W	47 37.745	-0.0066	18	-38 14 5.49	-0.016	18	0.32	37.840	15	35.4	5.25	21	35.4	G5 L	C8	5559	C -37 7495	
56	9.6	9.7W	47 41.059	0.0000	21	-35 2 4.89	-0.055	21	0.42	41.059	22	32.9	3.94	21	32.9	F5	C7	5878	C -34 7725	
57	10.4		47 43.054	-0.0020	21	-33 32 29.34	0.064	21	0.42	43.089	22	32.9	30.43	21	32.9	F8	C7	5879	C -33 7988	
58	9.2	9.1W	47 44.234	-0.0006	21	-30 15 44.56	-0.011	21	0.42	44.224	22	32.9	44.37	21	32.9	G0	C7	5880	C -29 9373	
59	9.1	9.2W	47 48.463	-0.0006	13	-36 35 26.97	0.012	13	0.26	48.471	15	35.4	27.15	21	35.4	A2	C8	5560	C -36 7450	
60	11.3	9.9W	47 51.708	-0.0097	13	-35 29 3.70	0.175	13	0.26	51.849	15	35.4	6.25	21	35.4		C8	5561	C -35 7477	
61	10.5	9.6W	47 57.061	-0.0014	13	-36 35 23.88	0.012	13	0.26	57.081	15	35.4	24.05	21	35.4	K0 L	C8	5562	C -36 7451	
62	10.7		48 3.959	0.0024	21	-34 20 42.79	-0.056	21	0.42	3.919	22	32.9	41.83	21	32.9	F8 L	C7	5881	C -33 7991	
63	8.5	7.7W	48 4.331	-0.0014	05	-37 24 10.18	0.005	05	0.20	4.351	15	35.4	10.25	21	35.4	K0	C8	5564	C -36 7452	
64	10.0	9.7W	48 9.509	-0.0006	13	-36 10 59.71	-0.072	13	0.26	9.500	15	35.4	58.65	21	35.4	F5 L	C8	5565	C -35 7481	
65		7.2T	48 10.855	-0.0121	12	-32 51 47.85	0.003	12	0.62	11.441	17	01.5	47.98	17	99.7	G5	GC	16216	C -32 8354	
66	10.7	9.7W	48 13.286	-0.0085	13	-35 53 10.45	0.014	13	0.26	13.410	15	35.4	10.65	21	35.4	K0 L	C8	5566	C -35 7482	
67	10.6		48 20.975	-0.0084	21	-33 35 15.51	-0.086	21	0.42	21.119	22	32.9	14.03	21	32.9	G2 L	C7	5883	C -33 7993	
68	9.5	9.4W	48 22.948	-0.0022	13	-36 5 12.00	-0.017	13	0.26	22.980	15	35.4	11.75	21	35.4	F2	C8	5568	C -35 7484	
69	10.3	9.6W	48 26.338	-0.0012	21	-34 0 27.46	-0.019	21	0.42	26.359	22	32.9	27.13	21	32.9	K5	C7	5884	C -33 7996	
70	10.7	9.8W	48 26.935	-0.0044	13	-35 25 47.74	-0.054	13	0.26	26.999	15	35.4	46.65	21	35.4	K0	C8	5570	C -35 7487	
71	9.7	8.9W	48 27.833	-0.0014	21	-32 56 36.13	-0.006	21	0.42	27.858	22	32.9	36.02	21	32.9	K0	C7	5885	C -32 8355	
72	9.9	9.1W	48 29.620	-0.0008	10	-37 21 8.97	-0.015	10	0.23	29.631	15	35.4	8.75	21	35.4	K0	C8	5571	C -36 7455	
73	7.5	7.9W	48 39.737	-0.0010	13	-36 39 27.72	-0.005	13	0.26	39.751	15	35.4	27.65	21	35.4	A0	C8	5572	C -36 7460	
74	10.5		48 43.070	0.0024	21	-34 38 33.20	-0.009	21	0.42	43.030	22	32.9	33.04	21	32.9	F5 L	C7	5886	C -34 7733	
75	9.0	9.1W	48 48.327	-0.0012	21	-33 0 57.97	-0.003	21	0.42	48.348	22	32.9	57.92	21	32.9	A2	C7	5887	C -32 8358	
76	10.1		48 50.971	-0.0122	13	-35 14 37.72	-0.025	13	0.26	51.149	15	35.4	37.35	21	35.4	G0	C8	5574	C -34 7737	
77	8.9	9.0W	48 55.801	-0.0032	21	-31 20 56.38	0.012	21	0.42	55.856	22	32.9	56.59	21	32.9	F0	C7	5888	C -30 9502	
78	9.8	8.8W	48 59.596	-0.0003	13	-36 12 17.33	-0.026	13	0.26	59.600	15	35.4	16.95	21	35.4	K0	C8	5575	C -35 7497	
79	9.7	8.2W	49 2.821	-0.0028	13	-39 31 20.25	0.014	13	0.26	2.863	15	35.4	20.45	21	35.4	K2	C8	5576	C -39 7340	
80	8.8	9.1W	49 2.909	-0.0001	13	-39 23 17.45	-0.027	13	0.26	2.912	15	35.4	17.05	21	35.4	A0	C8	5577	C -38 7370	
81	9.6	9.6W	49 5.662	-0.0015	21	-32 33 44.27	-0.026	21	0.42	5.688	22	32.9	43.82	21	32.9	A	C7	5889	C -32 8360	
82	10.2	9.5W	49 6.318	-0.0029	13	-35 33 51.32	-0.025	13	0.26	6.360	15	35.4	50.95	21	35.4	K0	C8	5578	C -35 7498	
83		6.0T	49 9.542	-0.0010	05	-30 33 9.09	-0.292	05	0.23	9.582	07	09.8	-57.18	07	09.2	G0	GC	16236	C*-30 9506	
84	9.1	9.1W	49 10.064	-0.0032	21	-32 32 40.03	-0.006	21	0.42	10.118	22	32.9	39.92	21	32.9	F0	C7	5891	C -32 8362	
85	10.1	9.4W	49 19.266	-0.0024	21	-33 10 47.05	-0.025	21	0.42	19.308	22	32.9	46.62	21	32.9	K2	C7	5892	C -32 8364	
86	9.6	8.5W	49 22.147	-0.0023	18	-39 14 47.26	-0.007	18	0.32	22.181	15	35.4	47.15	21	35.4	K0	C8	5580	C -38 7376	
87	10.8	9.7W	49 24.709	-0.0035	21	-32 39 5.13	-0.012	21	0.42	24.768	22	32.9	4.92	21	32.9	K5	C7	5893	C -32 8366	
88	10.0	9.4W	49 25.614	-0.0037	21	-31 39 39.65	0.009	21	0.42	25.676	22	32.9	39.81	21	32.9	K0	C7	5894	C -31 9310	
89	10.4	9.3W	49 36.670	-0.0042	13	-36 41 20.12	0.002	13	0.26	36.731	15	35.4	20.15	21	35.4	G8 L	C8	5581	C -36 7475	
90	10.6	9.8W	49 37.968	-0.0002	13	-36 58 24.03	-0.012	13	0.26	37.971	15	35.4	23.85	21	35.4	G5 L	C8	5582	C -36 7476	
91	10.2	9.9W	49 39.159	-0.0163	21	-32 44 7.08	-0.009	21	0.42	39.438	22	32.9	6.92	21	32.9	K0	C7	5895	C -32 8370	
92	8.4	8.2W	49 43.893	-0.0040	06	-37 28 27.00	-0.024	06	0.20	43.951	15	35.4	26.65	21	35.4	F5	C8	5583	C -37 7513	
93		9.3Y	49 44.245	-0.0025	21	-34 4 19.51	0.019	21	0.42	44.289	22	32.9	19.83	21	32.9		C7	5896	C -33 8009	
94	9.8	9.7W	49 49.858	-0.0022	21	-31 9 28.88	0.006	21	0.42	49.896	22	32.9	28.99	21	32.9	F5	C7	5897	C -30 9515	
95	10.2	9.5W	49 54.397	0.0005	13	-35 31 51.95	-0.000	13	0.26	54.390	15	35.4	51.95	21	35.4	K0	C8	5584	C -35 7511	
96	9.1	9.1W	49 55.709	-0.0053	21	-34 42 43.01	-0.039	21	0.42	55.800	22	32.9	42.34	21	32.9	F5	C7	5898	C -34 7744	
97	8.2	8.5W	49 57.058	-0.0043	18	-37 49 5.83	0.022	18	0.32	57.121	15	35.4	6.15	21	35.4	A0	C8	5585	C -37 7514	
98	8.9	9.3W	50 8.010	-0.0028	21	-33 47 26.59	0.003	21	0.42	8.059	22	32.9	26.63	21	32.9	A0	C7	5899	C -33 8015	
99	8.0	7.8W	50 10.595	-0.0025	06	-37 42 31.18	-0.009	06	0.20	10.630	15	35.4	31.05	21	35.4	F2	C8	5586	C -37 7517	
00		9.2Y	50 21.169	-0.0017	21	-34 25 48.88	-0.073	21	0.42	21.199	22	32.9	47.63	21	32.9		C7	5900	C -34 7749	

202900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		4.4T	11 50 22.635	-0.0042	03	-33 37 47.13	0.001	03	0.15	22.617	06	06.3	47.16	06	03.4	B9		GC	16258K	C*-33 8018
2	9.2	9.1W	50 39.540	-0.0028	13	-36 5 15.02	-0.018	15	0.26	39.580	15	35.4	14.75	21	35.4	F8		C8	5590	C -35 7519
3		6.7T	50 44.688	0.0011	12	-36 17 34.67	-0.041	11	0.60	44.635	17	00.1	52.48	18	97.1	F0		GC	16260	C*-35 7521
4	10.7		50 48.321	-0.0037	21	-35 10 33.53	0.067	21	0.42	48.384	22	32.9	34.67	21	32.9			C7	5902	C -29 9406
5	9.6	9.5W	50 49.072	-0.0040	13	-35 46 6.54	-0.061	13	0.26	49.130	15	35.4	5.65	21	35.4	F5		C8	5592	C -35 7523
6	10.9	9.3W	50 51.158	-0.0023	13	-37 26 16.84	-0.020	13	0.26	51.191	15	35.4	16.55	21	35.4	K2	L	C8	5593	C -37 7524
7	8.6	8.5W	50 51.920	-0.0087	21	-33 22 57.53	-0.024	21	0.42	52.068	22	32.9	57.12	21	32.9	F2		C7	5904	C -32 8381
8	10.4		50 51.988	-0.0005	21	-32 25 48.12	-0.024	21	0.42	51.996	22	32.9	47.71	21	32.9	F8		C7	5903	C -31 9324
9	10.7		50 52.406	-0.0072	18	-38 55 43.97	0.012	18	0.32	52.511	15	35.4	44.15	21	35.4	F8	L	C8	5594	C -38 7387
10		6.3T	50 54.934	-0.0074	07	-34 47 16.78	-0.031	05	0.28	55.252	10	06.9	15.36	10	03.3	A2		GC	16265	C -34 7760
11	10.6	9.6W	51 4.458	-0.0024	21	-33 11 23.12	0.018	21	0.42	4.498	22	32.9	23.42	21	32.9	K5		C7	5906	C -32 8384
12	8.9	8.7W	51 4.634	-0.0049	21	-34 16 20.83	0.006	21	0.42	4.719	22	32.9	20.93	21	32.9	G5		C7	5907	C -33 8028
13	9.6	9.8W	51 5.735	-0.0038	13	-36 10 7.21	-0.011	13	0.26	5.790	15	35.4	7.05	21	35.4	A2		C8	5597	C -35 7528
14	9.5	8.9W	51 7.985	-0.0024	21	-31 21 14.48	0.012	21	0.42	8.026	22	32.9	14.69	21	32.9	K0		C7	5908	C -30 9525
15	9.1	9.2W	51 8.670	-0.0056	13	-37 1 22.90	-0.003	13	0.26	8.751	15	35.4	22.85	21	35.4	A3		C8	5598	C -36 7500
16	10.0	9.7W	51 9.987	0.0019	13	-35 21 47.87	-0.008	13	0.26	9.959	15	35.4	47.75	21	35.4	G5		C8	5599	C -34 7761
17	9.6	8.3W	51 17.281	-0.0004	21	-34 8 28.34	-0.006	21	0.42	17.289	22	32.9	28.23	21	32.9	K2		C7	5909	C -33 8031
18	10.5	9.5W	51 27.430	-0.0034	21	-34 13 59.55	-0.001	21	0.42	27.489	22	32.9	59.53	21	32.9	K0		C7	5910	C -33 8034
19	9.0	8.4W	51 32.892	-0.0073	21	-33 24 43.15	-0.007	21	0.42	33.018	22	32.9	43.02	21	32.9	K0		C7	5911	C -32 8387
20	10.0	8.8W	51 34.968	0.0041	21	-34 22 36.39	-0.050	21	0.42	34.899	22	32.9	35.53	21	32.9	K5		C7	5912	C -33 8037
21		7.7T	51 37.922	0.0007	11	-35 42 49.60	-0.024	11	0.62	37.884	17	98.9	48.34	19	96.2	A0		GC	16277	C -35 7531
22		7.4T	51 38.682	-0.0011	14	-30 37 43.58	0.016	12	0.66	38.936	18	01.4	44.38	15	00.3	M0		GC	16278	C*-30 9530
23	9.5	8.6W	51 41.728	0.0025	13	-37 19 18.56	-0.055	13	0.26	41.691	15	35.4	17.75	21	35.4	K2		C8	5604	C -36 7507
24	9.2	9.4W	51 44.694	-0.0003	21	-34 36 3.08	-0.043	21	0.42	44.700	22	32.9	2.34	21	32.9	F0		C7	5914	C -34 7767
25	10.5	9.8W	51 45.484	-0.0025	21	-31 45 13.65	0.003	21	0.42	45.526	22	32.9	13.71	21	32.9	K2		C7	5915	C -31 9331
26		6.5T	51 54.923	-0.0263	10	-37 28 17.07	0.056	09	0.56	56.340	19	96.1	20.19	19	93.8	F8		GC	16280K	C*-37 7536
27	11.0	10.0W	51 56.911	-0.0039	21	-33 47 37.39	0.032	21	0.42	56.979	22	32.9	37.93	21	32.9			C7	5916	C -33 8039
28	10.3	9.9W	52 1.528	-0.0105	13	-36 44 32.34	-0.006	13	0.26	1.681	15	35.4	32.25	21	35.4	G8	L	C8	5606	C -36 7512
29	10.7		52 2.252	-0.0044	21	-31 55 55.37	0.008	21	0.42	2.326	22	32.9	55.51	21	32.9	G5	L	C7	5917	C -31 9334
30	9.1	8.8W	52 5.401	-0.0033	21	-31 50 56.98	-0.016	21	0.42	5.456	22	32.9	56.71	21	32.9	G5		C7	5918	C -31 9335
31	10.0	9.7W	52 7.383	-0.0074	18	-38 18 39.91	0.051	18	0.32	7.491	15	35.4	40.65	21	35.4	G0	L	C8	5607	C -37 7538
32		8.4T	52 14.913	0.0029	17	-31 23 21.50	-0.004	13	0.77	14.776	21	02.5	21.30	19	00.1	K0		GC	16287	C -30 9537
33	9.7	9.6W	52 18.676	-0.0049	21	-34 59 43.03	-0.046	21	0.42	18.760	22	32.9	42.24	21	32.9	G5		C7	5920	C -34 7775
34	10.7	9.9W	52 20.111	-0.0027	13	-36 15 25.96	0.013	13	0.26	20.150	15	35.4	26.15	21	35.4	G8	L	C8	5610	C -35 7540
35	9.3	8.7W	52 25.076	-0.0024	21	-32 46 54.88	-0.009	21	0.42	25.118	22	32.9	54.72	21	32.9	G5		C7	5921	C -32 8393
36	10.4	9.6W	52 26.194	-0.0002	21	-33 26 1.77	-0.014	21	0.42	26.198	22	32.9	1.52	21	32.9	K2		C7	5922	C -33 8044
37	10.3	9.4W	52 28.249	-0.0041	21	-34 31 26.85	-0.035	21	0.42	28.320	22	32.9	26.24	21	32.9	K5		C7	5923	C -34 7777
38	10.5		52 30.498	-0.0070	21	-33 32 46.45	0.005	21	0.42	30.609	22	32.9	46.53	21	32.9	G0	L	C7	5924	C -33 8047
39	9.7	9.7W	52 31.219	-0.0043	13	-39 34 49.36	0.020	13	0.26	31.283	15	35.4	49.65	21	35.4	G5		C8	5611	C -39 7356
40	9.5	9.6W	52 35.731	-0.0033	21	-32 11 41.62	-0.001	21	0.42	35.786	22	32.9	41.61	21	32.9	F0		C7	5925	C -31 9339
41	10.5	9.6W	52 39.382	-0.0027	21	-34 7 29.13	0.006	21	0.42	39.429	22	32.9	29.23	21	32.9	K5		C7	5926	C -33 8049
42	9.4	9.1W	52 45.851	0.0001	13	-35 23 29.02	-0.039	13	0.26	45.849	15	35.4	28.45	21	35.4	F5		C8	5612	C -34 7779
43	10.2	10.1W	52 49.985	-0.0066	21	-33 45 14.05	-0.024	21	0.42	50.099	22	32.9	13.63	21	32.9	F5		C7	5927	C -33 8052
44	9.1	8.9W	52 54.692	-0.0027	10	-39 19 38.63	-0.060	10	0.23	54.732	15	35.4	37.75	21	35.4	F5		C8	5614	C -38 7407
45	9.7	8.6W	52 55.402	0.0021	13	-37 0 34.37	-0.029	13	0.26	55.371	15	35.4	33.95	21	35.4	K2		C8	5615	C -36 7523
46	9.2	7.7W	52 55.525	-0.0014	21	-33 10 21.53	-0.012	21	0.42	55.548	22	32.9	21.32	21	32.9	K2		C7	5928	C -32 8400
47	9.1	9.0W	52 55.710	-0.0008	10	-39 33 27.87	-0.022	10	0.23	55.722	15	35.4	27.55	21	35.4	A0		C8	5616	C -39 7364
48	10.7	9.1W	53 4.886	-0.0038	18	-37 55 14.29	0.032	18	0.32	4.941	15	35.4	14.75	21	35.4	K2	L	C8	5617	C -37 7547
49	10.0	9.3W	53 13.878	-0.0023	21	-32 10 28.82	0.034	21	0.42	13.916	22	32.9	29.41	21	32.9	K0		C7	5929	C -31 9353
50		6.3T	53 22.023	0.0038	11	-39 24 38.46	-0.012	09	0.56	21.822	21	97.2	37.80	17	97.0	K0		GC	16314	C -38 7410
51	9.6	9.5W	11 53 25.331	-0.0022	21	-33 57 35.85	-0.030	21	0.42	25.369	22	32.9	35.33	21	32.9	F2		C7	5930	C -33 8060
52	9.6	8.8W	53 34.200	-0.0010	21	-31 56 53.69	-0.011	21	0.42	34.216	22	32.9	53.51	21	32.9	K0		C7	5931	C -31 9356
53	9.7		53 46.777	-0.0030	18	-38 48 57.90	0.010	18	0.32	46.821	15	35.4	58.05	21	35.4	A0		C8	5619	C -38 7415
54	9.5	8.4W	53 49.877	-0.0017	21	-30 54 35.71	0.022	21	0.42	49.906	22	32.9	36.09	21	32.9	K2		C7	5932	C -30 9551
55		10.0W	53 51.670	-0.0005	21	-33 59 46.29	-0.050	21	0.42	51.679	22	32.9	45.43	21	32.9	MA		C7	5933	C -33 8068
56	10.8	9.9W	53 52.540	0.0000	13	-36 27 47.48	0.005	13	0.26	52.540	15	35.4	47.55	21	35.4	K0	L	C8	5620	C -36 7538
57	10.4	9.5W	53 53.520	0.0019	21	-32 52 56.36	0.004	21	0.42	53.488	22	32.9	56.42	21	32.9	K2		C7	5934	C -32 8406
58	10.5		53 55.983	-0.0012	18	-35 30 7.29	-0.037	18	0.32	56.000	15	35.4	6.75	21	35.4	F5		C8	5621	C -35 7560
59		9.5Y	53 56.607	-0.0024	21	-34 22 7.18	-0.014	21	0.42	56.649	22	32.9	6.93	21	32.9			C7	5935	C -33 8069
60	9.1	9.3W	53 56.638	-0.0005	21	-31 55 4.16	-0.015	21	0.42	56.646	22	32.9	3.91	21	32.9	F0		C7	5936	C -31 9360
61	9.6	9.5W	53 59.061	-0.0026	21	-30 46 51.71	-0.007	21	0.42	59.106	22	32.9	51.59	21	32.9	F8		C7	5937	C -30 9553
62	9.5	9.5W	54 5.019	-0.0011	21	-34 19 21.18	-0.032	21	0.42	5.039	22	32.9	20.63	21	32.9	F0		C7	5938	C -33 8071
63	10.3	9.9W	54 5.283	-0.0047	13	-37 0 37.27	-0.022	13	0.26	5.351	15	35.4	36.95	21	35.4	F8		C8	5623	C -36 7541
64	10.2	9.1W	54 8.553	-0.0012	13	-36 13 5.03	-0.026	13	0.26	8.570	15	35.4	4.65	21	35.4	K0		C8	5624	C -35 7563
65		8.3T	54 9.970	-0.0153	11	-31 59 22.77	-0.017	09	0.56	10.770	18	97.7	21.79	18	93.2	G0		GC	16333K	C*-31 9364
66		8.2T	54 11.492	-0.0156	12	-31 59 19.49	0.001	13	0.66	12.253	19	01.2	19.53	21	01.7	G0		GC	16334K	C -31 9365
67	8.8	8.9W	54 15.369	-0.0015	10	-38 3 1.76	-0.028	10	0.23	15.390	15	35.4	1.35	21	35.4	A2		C8	5625	C -37 7562
68		7.8T	54 18.328	0.0031	18	-38 34 13.50	-0.016	13	0.79	18.184	19	03.8	12.72	22	99.6	G5		GC	16337	C*-38 7418
69	10.3	9.7W	54 29.584	0.0021	21	-34 23 39.56	0.110	21	0.42	29.549	22	32.9	41.43	21	32.9	G5	L	C7	5941	C -33 8075
70	10.6		54 29.934	-0.0039	13	-36 34 13.63	-0.026	13	0.26	29.991	15	35.4	13.25	21	35.4	F8	L	C8	5627	C -36 7545
71		6.3T	54 30.984	-0.0046	09	-33 2 12.95	-0.001	08	0.46	31.220	14	98.4	12.88	14	97.5	A0		GC	16344	C -32 8413
72	8.9	8.0W	54 33.046	0.0010	21	-34 37 16.42	0.031	21	0.42	33.030	22	32.9	16.94	21	32.9	K0		C7	5943	C -34 7802
73	10.5		54 35.666	-0.0045	13	-36 58 18.26	-0.084	13	0.26	35.731	15	35.4	17.05	21	35.4	F5	L	C8	5629	C -36 7548
74	9.8	9.8W	54 37.340	-0.0028	21	-34 0 31.02	-0.034	21	0.42	37.389	22	32.9	30.43	21	32.9	F8		C7	5944	C -33 8078
75	9.9	9.5W	54 39.642	-0.0047	13	-35 48 14.40	-0.017	13	0.26	39.710	15	35.4	14.15	21	35.4	G5		C8	5630	C -35 7566
76	10.2	9.7W	54 39.672	-0.0047	18	-38 36 23.99	-0.085	18	0.32	39.741	15	35.4	22.75	21	35.4	G0	L	C8	5631	C -38 7423
77		7.6T	54 42.313	-0.0041	11	-34 54 52.96	0.000	11	0.60	42.522	18	99.0	52.99	18	98.1	K5		GC	16348	C -34 7803
78	10.4		54 48.224	-0.0025	13	-36 21 57.60	0.017	13	0.26	48.260	15	35.4	57.85	21	35.4	F8	L	C8	5632	C -35 7568
79	10.4	9.7W	54 49.662	0.0002	21	-32 43 58.97	0.009	21	0.42	49.658	22	32.9	59.12	21	32.9	K0		C7	5946	C -32 8416
80	9.8	9.7W	54 52.309	0.0019	21	-32 16 7.53	0.022	21	0.42	52.276	22	32.9	7.91	21	32.9	G0		C7	5947	C -31 9374
81	9.8	9.2W	54 55.049	0.0002	21	-31 14 1.28	0.006	21	0.42	55.046	22	32.9	1.39	21	32.9	G5		C7	5948	C -30 9560
82	9.7	9.0W	54 56.704	0.0091	13	-38 56 17.55	-0.123	13	0.26	56.572	15	35.4	15.75	21	35.4	G5		C8	5633	C -38 7424
83	10.9	9.9W	54 57.231	-0.0061	13	-36 8 19.06	0.006	13	0.26	57.320	15	35.4	19.15	21	35.4	K0	L	C8	5634	C -35 7570
84		7.1T	54 57.789	-0.0015	15	-38 13 4.99	0.011	11	0.69	57.860	22	02.4	5.55	21	96.8	A0		GC	16354	C -37 7567
85	9.1	7.5W	55 2.568	-0.0058	21	-32 40 47.22	0.012	21	0.42	2.668	22	32.9	47.42	21	32.9	K2		C7	5949	C -32 8419
86	10.2	8.7W	55 10.213	0.0008	18	-37 22 19.56	-0.014	18	0.32	10.201	15	35.4	19.35	21	35.4	MB		C8	5636	C -36 7556
87	9.7	9.6W	55 11.595	-0.0045	13	-39 2 32.51	-0.004	13	0.26	11.661	15	35.4	32.45	21	35.4	A		C8	5637	C -38 7425
88	10.6	9.8W	55 20.858	-0.0015	21	-30 23 20.87	-0.000	21	0.42	20.884	22	32.9	20.87	21	32.9	K2		C7	5950	C -29 9453
89	10.2	9.5W	55 22.621	-0.0038	21	-31 5 31.43	0.027	21	0.42	22.686	22	32.9	31.89	21	32.9	K0		C7	5951	C -30 9565
90	10.5	8.9W	55 28.502	-0.0027	13	-37 11 10.55	-0.034	13	0.26	28.541	15	35.4	10.05	21	35.4	K5		C8	5639	C -36 7557
91		7.2T	55 30.782	-0.0083	15	-31 22 19.38	-0.043	11	0.69	31.189	18	01.0	17.15	17	98.1	F5		GC	16367	C -30 9568
92	10.2	9.7W	55 41.354	-0.0037	21	-33 10 27.91	-0.011	21	0.42	41.418	22	32.9	27.72	21	32.9	G5		C7	5953	C -32 8425
93	10.5		55 41.670	-0.0048	13	-35 55 1.97	-0.029	13	0.26	41.740	15	35.4	1.55	21	35.4	F5	L	C8	5640	C -35 7576
94	10.2	9.9W	55 45.946	-0.0054	21	-33 49 4.67	-0.049	21	0.42	46.039	22	32.9	3.83	21	32.9	G5		C7	5954	C -33 8089
95	10.4	9.5W	55 49.187	-0.0023	13	-35 42 56.45	-0.048	13	0.26	49.220	15	35.4	55.75	21	35.4	K0		C8	5642	C -35 7578
96	9.5	9.1W	55 53.011	-0.0027	21	-32 51 53.41	-0.046	21	0.42	53.058	22	32.9	52.62	21	32.9	G5		C7	5955	C -32 8427
97		10.0W	55 56.748	-0.0042	21	-34 33 17.19	0.009	21	0.42	56.820	22	32.9	17.34	21	32.9			C7	5956	C -34 7816
98	10.4		55 57.950	-0.0174	21	-33 24 43.15	0.028	21	0.42	58.248	22	32.9	43.62	21	32.9	G0		C7	5957	C -32 8429
99	10.1	10.1W	56 1.217	-0.0024	21	-34 12 29.97	-0.031	21	0.42	1.259	22	32.9	29.43	21	32.9			C7	5958	C -33 8091
00	10.2	9.4W	56 4.512	-0.0015	21	-33 2 46.54	0.011	21	0.42	4.538	22	32.9	46.72	21	32.9	K0		C7	5959	C -32 8430

203000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 11H DM NUMBER
1	10.0	10.1W	11 56 12.898	-0.0017	21	-31 43 43.85	0.015	21	0.42	12.926	22	32.9	44.11	21	32.9	A0		C7	5960	C -31 9385
2	9.9	9.1W	56 17.597	0.0018	13	-36 8 4.91	-0.052	13	0.26	17.570	15	35.4	4.15	21	35.4	G		C8	5643	C -35 7584
3		10.1W	56 17.888	-0.0064	13	-36 [illegible] 7.71	-0.018	13	0.26	17.981	15	35.4	7.45	21	35.4	K1	L	C8	5644	C -36 7568
4	10.3	9.3W	56 20.282	-0.0026	21	-30 [illegible] 36.27	0.013	21	0.41	20.326	22	33.4	36.49	21	33.4	K5		C7	5961	C -30 9582
5	10.5		56 26.132	-0.0034	18	-36 31 11.05	-0.027	18	0.32	26.181	15	35.4	10.65	21	35.4	F2	L	C8	5646	C -36 7572
6	9.5	9.4W	56 47.659	-0.0047	21	-32 7 11.43	0.035	21	0.41	47.736	22	33.4	12.01	21	33.4	F5		C7	5963	C -31 9387
7	9.9	9.3W	56 47.676	-0.0008	21	-34 52 17.24	-0.042	21	0.41	47.690	22	33.4	16.54	21	33.4	K0		C7	5962	C -34 [illegible]824
8	9.7	9.7W	56 55.352	-0.0021	21	-32 56 40.98	-0.021	21	0.41	55.388	22	33.4	40.63	21	33.4	F0		C7	5964	C -32 8436
9		9.1R	56 56.320	-0.0008	17	-30 4 5.94	-0.029	17	0.32	56.333	16	33.3	5.47	16	33.3	F5	J	13B	7801	J -29 9471
10		10.2W	56 56.591	-0.0040	21	-32 12 45.74	0.010	21	0.41	56.656	22	33.4	45.91	21	33.4			C7	5965	C -31 9390
11		7.3T	56 58.509	-0.0027	08	-35 1 47.96	0.010	07	0.45	58.661	15	94.1	48.58	15	90.7	K0		GC	16399	C -34 7826
12	10.6	9.3W	57 0.687	0.0012	21	-32 40 6.54	-0.019	21	0.41	0.668	22	33.4	6.23	21	33.4	K0		C7	5967	C -32 8438
13	10.2	10.3W	57 5.702	-0.0015	21	-33 21 50.59	-0.016	21	0.41	5.728	22	33.4	50.32	21	33.4	G0		C7	5968	C -32 8439
14	9.7	8.4W	57 7.089	-0.0001	09	-39 13 51.29	0.004	09	0.22	7.092	15	35.4	51.35	21	35.4	K2		C8	5647	C -38 7435
15	10.5	9.4W	57 8.522	-0.0033	13	-36 12 28.24	-0.061	13	0.26	8.570	15	35.4	27.35	21	35.4	K0		C8	5648	C -35 7595
16	8.8	8.5W	57 11.528	0.0005	18	-38 55 7.30	-0.024	18	0.32	11.521	15	35.4	6.95	21	35.4	F8		C8	5649	C -38 7436
17	9.5	9.2W	57 12.261	-0.0044	21	-30 19 8.40	0.083	21	0.41	12.334	22	33.4	9.77	21	33.4	G0		C7	5969	C -29 9476
18	9.9	9.7W	57 13.116	-0.0016	13	-35 17 57.49	-0.037	13	0.26	13.139	15	35.4	56.95	21	35.4	F8		C8	5650	C -34 7830
19		9.6W	57 14.554	-0.0012	18	-38 3 29.44	0.008	18	0.32	14.570	15	35.4	29.55	21	35.4	K2	L	C8	5651	C -37 7586
20	9.6	9.5W	57 17.918	0.0019	13	-35 52 11.26	-0.021	13	0.26	17.890	15	35.4	10.95	21	35.4	A		C8	5652	C -35 7600
21	10.8	10.1W	57 20.165	-0.0032	21	-33 46 10.74	-0.024	21	0.41	20.219	22	33.4	10.33	21	33.4			C7	5970	C -33 8102
22	9.5	9.5W	57 21.230	-0.0041	21	-33 34 55.55	-0.049	21	0.41	21.299	22	33.4	54.73	21	33.4	F0		C7	5971	C -33 8103
23	10.3	10.1W	57 22.279	0.0031	21	-34 23 8.63	-0.120	21	0.41	22.229	22	33.4	6.63	21	33.4	G5		C7	5972	C -33 8105
24	10.0	9.6W	57 24.346	-0.0038	13	-37 8 44.41	-0.038	13	0.26	24.401	15	35.4	43.85	21	35.4	G0		C8	5653	C -36 7583
25		10.7W	57 36.104	-0.0056	21	-32 19 15.39	-0.065	21	0.41	36.196	22	33.4	14.31	21	33.4			C7	5973	C -31 9396
26	10.3	10.3W	57 39.720	-0.0041	21	-33 51 9.33	-0.054	21	0.41	39.789	22	33.4	8.43	21	33.4	F2		C7	5974	C -33 8108
27	10.5	9.8W	57 42.862	-0.0022	21	-34 18 6.09	-0.009	21	0.41	42.899	22	33.4	5.93	21	33.4	K0		C7	5975	C -33 8109
28	8.4	7.3W	57 43.815	0.0024	13	-36 0 23.77	-0.063	13	0.26	43.780	15	35.4	22.85	21	35.4	K2		C8	5654	C -35 7606
29	7.4	7.5W	57 47.148	-0.0043	13	-36 17 3.64	-0.020	13	0.26	47.210	15	35.4	3.35	21	35.4	A3		C8	5655	C -35 7607
30	8.7	7.9W	57 50.136	-0.0053	21	-30 19 21.07	0.024	21	0.41	50.225	22	33.4	21.47	21	33.4	G5		C7	5976	C -29 9486
31		8.0R	57 50.776	-0.0036	12	-30 3 29.62	-0.041	12	0.25	50.837	16	33.3	28.95	16	33.3	A5	J	13B	7808	J -29 9487
32	9.5	9.2W	57 51.068	-0.0024	21	-34 29 45.50	-0.052	21	0.41	51.109	22	33.4	44.63	21	33.4	F5		C7	5977	C -34 7839
33	9.4	9.1W	58 9.337	0.0004	18	-38 46 1.54	-0.020	18	0.32	9.331	15	35.4	1.25	21	35.4	F0		C8	5656	C -38 7447
34	8.5	8.3W	58 14.731	-0.0062	13	-37 12 4.27	0.019	13	0.26	14.821	15	35.4	4.55	21	35.4	F8		C8	5658	C -36 7590
35	9.1	8.1W	58 23.904	-0.0002	21	-31 44 40.63	0.011	21	0.41	23.906	22	33.4	40.81	21	33.4	K0		C7	5978	C -31 9408
36	9.2	8.9W	58 32.727	-0.0037	09	-38 45 18.46	0.013	09	0.22	32.781	15	35.4	18.65	21	35.4	F8		C8	5659	C -38 7455
37		7.1T	58 51.193	-0.0008	11	-33 46 18.93	-0.025	11	0.57	51.231	15	99.3	17.62	17	98.7	K0		GC	16430	C*-33 8124
38	10.7	10.0W	58 57.442	0.0004	21	-31 15 6.59	0.012	21	0.41	57.436	22	33.4	6.79	21	33.4	K2		C7	5980	C -30 9610
39	10.0	9.8W	58 58.263	-0.0016	21	-34 54 46.32	-0.095	21	0.41	58.290	22	33.4	44.74	21	33.4	G5	L	C7	5981	C -34 7850
40	9.8	9.1W	59 1.948	-0.0006	21	-33 51 47.70	-0.082	21	0.41	1.959	22	33.4	46.33	21	33.4	K0		C7	5982	C -33 8127
41	10.8	9.8W	59 3.928	-0.0015	13	-35 34 35.74	0.001	13	0.26	3.950	15	35.4	35.75	21	35.4	K0	L	C8	5660	C -35 7623
42	9.9	8.8W	59 5.976	-0.0064	13	-35 18 17.14	-0.020	13	0.26	6.069	15	35.4	16.85	21	35.4	K5		C8	5661	C -34 7851
43	9.9	9.0W	59 9.179	-0.0053	21	-32 20 51.76	-0.027	21	0.41	9.266	22	33.4	51.31	21	33.4	K0		C7	5983	C -31 9419
44	10.5	10.1W	59 10.056	-0.0038	18	-37 41 1.92	0.016	18	0.32	10.111	15	35.4	2.15	21	35.4	F5	L	C8	5662	C -37 7609
45	9.5	8.8W	59 11.557	-0.0018	21	-31 55 42.72	-0.037	21	0.41	11.586	22	33.4	42.11	21	33.4	K0		C7	5984	C -31 9420
46		6.9T	59 12.984	-0.0160	12	-34 22 19.45	0.012	09	0.59	13.790	18	99.5	20.06	15	98.3	G0		GC	16443K	C*-33 8130
47	8.7	8.6W	59 13.127	-0.0060	21	-31 57 4.91	-0.012	21	0.41	13.226	22	33.4	4.71	21	33.4	F0		C7	5985	C -31 9422
48	10.4	9.9W	59 23.946	0.0018	13	-36 25 58.63	-0.067	13	0.26	23.920	15	35.4	57.65	21	35.4	G0	L	C8	5663	C -36 7599
49	9.7	9.6W	59 27.236	-0.0035	21	-30 12 31.87	0.006	21	0.41	27.295	22	33.4	31.97	21	33.4	G0		C7	5987	C -29 9500
50	9.7	9.7W	59 29.616	-0.0001	21	-33 19 7.14	-0.025	21	0.41	29.618	22	33.4	6.72	21	33.4	F5		C7	5988	C -32 8463
51	9.7	9.7W	11 59 35.225	-0.0038	13	-36 24 54.43	-0.012	13	0.26	35.280	15	35.4	54.25	21	35.4	A2		C8	5664	C -35 7633
52	9.7	9.6W	59 35.987	-0.0058	13	-35 32 55.83	0.015	13	0.26	36.073	15	35.4	56.05	21	35.4	A2		C8	5665	C -35 7628
53	9.1	7.9W	59 39.311	-0.0002	21	-30 19 39.76	-0.011	21	0.41	39.315	22	33.4	39.57	21	33.4	K5		C7	5989	C -29 9504
54	10.6	10.0W	59 43.158	0.0037	21	-31 56 26.79	-0.011	21	0.41	43.096	22	33.4	26.61	21	33.4			C7	5990	C -31 9425
55	9.6	9.6W	59 48.156	-0.0055	21	-32 13 30.84	-0.002	21	0.41	48.246	22	33.4	30.81	21	33.4	F2		C7	5991	C -31 9426
56	9.4	8.9W	59 48.420	-0.0084	21	-34 40 19.78	-0.008	21	0.41	48.560	22	33.4	19.64	21	33.4	K0		C7	5992	C -34 7858
57		9.2R	59 53.539	-0.0008	12	-30 4 58.68	-0.020	12	0.25	53.552	16	33.3	58.35	16	33.3	K0	J	13B	7823	J -29 9509
58	9.9	9.7W	59 58.352	0.0001	13	-35 37 11.23	-0.012	13	0.26	58.350	15	35.4	11.05	21	35.4	F5	L	C8	5666	C -35 7640
59		7.9T	59 58.556	-0.0017	16	-38 45 1.58	0.001	13	0.72	58.633	21	04.3	1.65	19	01.4	K2		GC	16454	C -38 7466
60	10.5		12 0 8.580	-0.0056	13	-37 19 29.78	0.039	13	0.26	8.661	15	35.4	30.35	21	35.4	A5	L	C8	5668	C -36 7609
61	9.3	8.3W	0 11.451	0.0027	13	-36 42 45.51	0.044	13	0.26	11.411	15	35.4	46.15	21	35.4	K0		C8	5669	C -36 7610
62	9.6	9.0W	0 11.875	0.0040	21	-34 16 11.12	-0.017	21	0.41	11.809	22	33.4	10.83	21	33.4	K0		C7	5993	C -33 8135
63	10.4	9.4W	0 12.380	0.0002	21	-32 29 29.44	-0.038	21	0.41	12.376	22	33.4	28.81	21	33.4	K0		C7	5994	C -32 8471
64	9.9	8.2W	0 13.936	0.0004	13	-35 37 53.09	-0.037	13	0.26	13.930	15	35.4	52.55	21	35.4	MA		C8	5670	C -35 7643
65	9.9	9.2W	0 19.963	-0.0021	21	-33 41 24.60	-0.016	21	0.41	19.999	22	33.4	24.33	21	33.4	K2		C7	5995	C -33 8137
66		7.5T	0 27.441	-0.0030	16	-31 24 46.94	-0.025	11	0.68	27.584	18	02.3	45.70	15	00.4	K0		GC	16462	C -30 9629
67	9.4	9.2W	0 30.386	-0.0010	13	-38 30 36.46	-0.035	13	0.26	30.401	15	35.4	35.95	21	35.4	F0		C8	5671	C -38 7469
68	10.5	10.0W	0 30.544	-0.0080	13	-37 20 52.59	-0.071	13	0.26	30.661	15	35.4	51.55	21	35.4	F5	L	C8	5672	C -36 7613
69	8.9	8.7W	0 32.924	0.0016	18	-38 20 31.70	-0.017	18	0.32	32.900	15	35.4	31.45	21	35.4	F5		C8	5674	C -37 7624
70	9.0	8.0W	0 33.423	-0.0026	10	-38 33 54.79	-0.016	10	0.23	33.461	15	35.4	54.55	21	35.4	K0		C8	5675	C -38 7470
71	10.2	10.2W	0 37.881	-0.0035	21	-33 23 25.88	-0.033	21	0.41	37.938	22	33.4	25.33	21	33.4	F		C7	5997	C -32 8479
72	10.4	9.8W	0 38.926	-0.0050	21	-34 41 8.18	0.004	21	0.41	39.010	22	33.4	8.24	21	33.4	G5	L	C7	5998	C -34 7869
73	10.1	9.2W	0 41.164	-0.0011	13	-36 15 21.10	-0.024	13	0.26	41.180	15	35.4	20.75	21	35.4	K0	L	C8	5677	C -35 7650
74	10.0	9.3W	0 44.576	0.0000	21	-30 59 23.98	-0.018	21	0.41	44.576	22	33.4	23.69	21	33.4	K2		C7	5999	C -30 9632
75	10.3	9.8W	0 44.693	-0.0051	21	-32 43 35.66	-0.008	21	0.41	44.778	22	33.4	35.52	21	33.4	K0		C7	6000	C -32 8480
76	10.5	9.9W	0 45.308	0.0006	21	-34 2 12.18	-0.009	21	0.41	45.299	22	33.4	12.03	21	33.4	G2	L	C7	6001	C -33 8141
77	10.1	10.0W	0 47.444	-0.0026	21	-33 16 44.33	0.036	21	0.41	47.488	22	33.4	44.92	21	33.4	F5		C7	6002	C -32 8481
78	8.9	8.0W	0 51.379	-0.0010	21	-31 13 53.30	0.017	21	0.41	51.396	22	33.4	53.59	21	33.4	K0		C7	6003	C -30 9633
79		9.9W	0 52.609	0.0013	13	-36 21 40.53	-0.019	13	0.26	52.590	15	35.4	40.25	21	35.4	K2	L	C8	5679	C -35 7655
80	9.4	9.5W	0 54.883	-0.0009	21	-34 19 31.17	0.010	21	0.41	54.899	22	33.4	31.33	21	33.4	A2		C7	6004	C -33 8143
81	9.9	8.6W	0 55.168	-0.0023	13	-37 4 0.97	-0.056	13	0.26	55.201	15	35.4	0.15	21	35.4	K0		C8	5680	C -36 7618
82	10.9	9.5W	0 55.423	-0.0015	21	-33 45 33.90	-0.022	21	0.41	55.449	22	33.4	33.53	21	33.4			C7	6005	C -33 8142
83	8.6	7.7W	0 58.577	-0.0042	21	-31 58 47.24	-0.020	21	0.41	58.646	22	33.4	46.91	21	33.4	K0		C7	6006	C -31 9438
84		6.6T	1 3.699	-0.0318	11	-38 43 47.78	-0.039	11	0.62	5.394	21	96.7	45.72	19	96.6	F5		GC	16471K	C*-38 7479
85	10.6	9.2W	1 4.585	-0.0013	21	-32 7 57.01	-0.006	21	0.41	4.606	22	33.4	56.91	21	33.4	MB		C7	6007	C -31 9440
86	10.2	9.5W	1 5.674	-0.0001	21	-30 35 5.22	0.028	21	0.41	5.676	22	33.4	5.69	21	33.4	K2		C7	6008	C -30 9637
87	8.3	8.6W	1 16.101	-0.0034	21	-32 10 30.06	-0.009	21	0.41	16.156	22	33.4	29.91	21	33.4	A2		C7	6009	C -31 9442
88	10.9	9.3W	1 18.305	-0.0004	13	-37 21 29.22	-0.025	13	0.26	18.311	15	35.4	28.85	21	35.4	K2	L	C8	5684	C -36 7624
89	9.2	7.8W	1 18.356	-0.0028	21	-34 31 48.30	-0.009	21	0.41	18.310	22	33.4	48.44	21	33.4	K5		C7	6010	C -34 7877
90	10.2	9.7W	1 18.795	-0.0017	13	-35 48 41.68	-0.043	13	0.26	18.820	15	35.4	41.05	21	35.4	G5		C8	5685	C -35 7659
91	10.4	10.4W	1 20.812	-0.0033	21	-32 2 39.12	-0.007	21	0.41	20.866	22	33.4	39.01	21	33.4			C7	6011	C -31 9444
92	10.6	9.9W	1 21.186	-0.0029	21	-30 8 56.76	0.007	21	0.41	21.235	22	33.4	56.87	21	33.4	K0		C7	6012	C*-29 9526
93	9.7	9.1W	1 24.321	-0.0002	21	-30 20 45.99	0.017	21	0.41	24.325	22	33.4	46.27	21	33.4	K0		C7	6013	C -29 9528
94	9.9	9.9W	1 30.141	-0.0004	21	-32 57 57.29	-0.052	21	0.41	30.148	22	33.4	56.43	21	33.4	F8		C7	6014	C -32 8484
95	10.0	9.7W	1 32.277	-0.0030	13	-36 54 35.75	-0.034	13	0.26	32.321	15	35.4	35.25	21	35.4	G0	L	C8	5686	C -36 7626
96	9.1	9.0W	1 33.462	0.0008	21	-35 3 53.96	-0.025	21	0.41	33.449	22	33.4	53.55	21	33.4	F5		C7	6015	C -34 7880
97	8.1	8.1W	1 41.887	-0.0036	21	-31 49 39.96	-0.033	21	0.41	41.946	22	33.4	39.41	21	33.4	F0		C7	6016	C -31 9447
98	9.9	9.9W	1 44.002	-0.0028	21	-34 2 44.40	-0.046	21	0.41	44.049	22	33.4	43.63	21	33.4	A0		C7	6017	C -33 8151
99	10.3	10.0W	1 51.491	0.0006	13	-39 32 18.82	-0.005	13	0.26	51.483	15	35.4	18.75	21	35.4	F5	L	C8	5687	C -39 7441
00	10.7	9.1W	1 58.456	-0.0024	18	-38 1 35.59	0.018	18	0.32	58.491	15	35.4	35.85	21	35.4	K1	L	C8	5688	C -37 7640

203100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 12H DM NUMBER
1	7.7	7.5W	12 1 59.842	0.0034	21	-30 54 32.50	-0.007	21	0.41	59.786	22	33.4	32.39	21	33.4	F2	C7	6018	C -30 9648
2	9.8	9.8W	2 4.795	-0.0099	21	-34 51 9.10	0.051	21	0.41	4.960	22	33.4	9.94	21	33.4	G2 L	C7	6019	C -34 7888
3	10.4	10.3W	2 5.330	-0.0017	21	-33 38 57.87	-0.008	21	0.41	5.359	22	33.4	57.73	21	33.4	A2 L	C7	6020	C -33 8154
4	10.3	9.2W	2 7.126	-0.0045	13	-36 47 25.74	-0.061	13	0.26	7.191	15	35.4	24.85	21	35.4	K0	C8	5689	C -36 7635
5	10.6	9.0W	2 13.721	0.0007	18	-38 57 7.46	-0.007	18	0.32	13.711	15	35.4	7.35	21	35.4		C8	5690	C -38 7491
6		7.6T	2 15.782	-0.0045	16	-32 31 27.17	-0.022	12	0.73	16.000	18	01.3	26.02	18	98.7	G5	GC	16501	C -32 8493
7	8.6	8.5W	2 17.009	0.0078	21	-34 30 4.80	-0.063	21	0.41	16.880	22	33.4	3.74	21	33.4	F2	C7	6022	C -34 7892
8	9.6	8.7W	2 26.034	-0.0004	13	-35 22 9.11	0.037	13	0.26	26.039	15	35.4	9.65	21	35.4	K0	C8	5691	C -34 7897
9	10.8	9.3W	2 28.470	0.0000	13	-36 1 49.37	-0.008	13	0.26	28.470	15	35.4	49.25	21	35.4	K2 L	C8	5692	C -35 7681
10	10.2	10.0W	2 31.481	-0.0029	21	-34 45 5.46	-0.025	21	0.41	31.530	22	33.4	5.05	21	33.4	G0 L	C7	6023	C -34 7899
11	9.8	9.7W	2 35.563	0.0023	13	-35 25 49.98	-0.043	13	0.26	35.529	15	35.4	49.35	21	35.4	F8	C8	5693	C -35 7682
12		7.5T	2 37.324	-0.0039	18	-33 55 50.45	-0.012	26	1.01	37.504	19	03.2	49.91	21	06.6	M0	GC	16511	C#-33 8159
13	10.2	9.9W	2 52.929	-0.0021	13	-35 26 38.41	-0.038	13	0.26	52.959	15	35.4	37.85	21	35.4	G	C8	5695	C -35 7686
14	9.6	8.0W	2 53.426	-0.0024	18	-37 16 25.95	-0.027	18	0.32	53.461	15	35.4	25.55	21	35.4	K5	C8	5696	C -36 7636
15	10.0	9.3W	2 56.156	-0.0042	21	-31 24 25.52	0.010	21	0.41	56.226	22	33.4	25.69	21	33.4	K0	C7	6025	C -30 9657
16	10.6	8.9W	3 3.287	0.0005	13	-36 5 48.87	-0.070	13	0.26	3.280	15	35.4	47.85	21	35.4	K2	C8	5697	C -35 7690
17	10.5	10.1W	3 9.734	-0.0003	21	-34 54 24.55	-0.030	21	0.41	9.740	22	33.4	24.04	21	33.4	K0 L	C7	6027	C -34 7904
18	10.6	9.7W	3 11.039	-0.0049	13	-36 14 4.95	0.007	13	0.26	11.110	15	35.4	5.05	21	35.4	K0 L	C8	5698	C -35 7692
19		6.3H	3 22.083	-0.0026	04	-35 24 55.88	-0.002	04	0.14	22.164	08	18.6	55.82	07	20.2	B9	F4	1312	C -35 7694
20	10.5	9.1W	3 22.976	0.0010	13	-37 18 26.77	-0.015	13	0.26	22.961	15	35.4	26.55	21	35.4	K2	C8	5700	C -36 7640
21	7.6	7.5W	3 25.688	-0.0057	09	-38 56 30.19	-0.030	09	0.22	25.771	15	35.4	29.75	21	35.4	A2	C8	5701	C -38 7501
22	9.5	8.8W	3 27.726	-0.0072	13	-36 48 29.91	-0.004	13	0.26	27.831	15	35.4	29.85	21	35.4	G5	C8	5702	C -36 7641
23		6.6T	3 30.846	-0.0084	10	-32 40 48.87	-0.204	09	0.53	31.189	18	96.3	38.10	17	97.3	G0	GC	16533K	C#-32 8503
24	9.6	9.0W	3 33.271	-0.0053	21	-34 37 36.55	-0.006	21	0.41	33.360	22	33.4	36.44	21	33.4	K0	C7	6029	C -34 7908
25	9.1	9.1W	3 36.219	-0.0016	21	-30 44 55.93	-0.003	21	0.41	36.246	22	33.4	55.89	21	33.4	F2	C7	6030	C -30 9666
26		7.0T	3 38.126	-0.0034	12	-38 23 49.72	-0.016	11	0.65	38.302	22	98.3	48.84	21	96.4	K2	GC	16539	C -37 7658
27	9.4	9.2W	3 42.186	0.0053	21	-34 11 39.62	-0.005	21	0.41	42.099	22	33.4	39.53	21	33.4	G5	C7	6031	C -33 8167
28	10.5	9.6W	3 42.439	-0.0058	21	-31 8 28.95	-0.022	21	0.41	42.536	22	33.4	28.59	21	33.4		C7	6032	C -30 9669
29	8.8	8.7W	3 45.481	-0.0055	13	-37 3 50.05	0.007	13	0.26	45.561	15	35.4	50.15	21	35.4	A0	C8	5704	C -36 7644
30	10.2	9.4W	3 46.048	-0.0005	21	-30 43 50.47	0.025	21	0.41	46.056	22	33.4	50.89	21	33.4	K0	C7	6033	C -30 9670
31	10.1	9.6W	3 46.105	-0.0038	15	-38 33 35.16	-0.028	15	0.29	46.162	15	35.4	34.75	21	35.4	F8 L	C8	5705	C -38 7505
32	9.0	9.0W	3 46.712	-0.0027	21	-32 18 27.56	-0.057	21	0.41	46.756	22	33.4	26.61	21	33.4	F2	C7	6034	C -31 9472
33	9.0	9.0W	3 48.374	-0.0019	21	-31 17 3.67	0.001	21	0.41	48.406	22	33.4	3.69	21	33.4	F2	C7	6035	C -30 9671
34	10.0	9.8W	3 55.639	-0.0066	21	-34 14 27.78	-0.057	21	0.41	55.749	22	33.4	26.83	21	33.4	G0	C7	6036	C -33 8171
35	9.1	9.2W	3 58.604	-0.0050	21	-33 7 27.69	-0.034	21	0.41	58.688	22	33.4	27.13	21	33.4	A3	C7	6037	C -32 8510
36	10.5	10.0W	3 59.002	-0.0057	21	-32 19 30.95	0.046	21	0.41	59.096	22	33.4	31.71	21	33.4		C7	6038	C -31 9475
37		6.7T	4 2.969	-0.0037	07	-37 34 54.09	0.002	07	0.31	3.121	10	08.6	54.16	10	07.9	K0	GC	16547K	C -37 7663
38	9.9	9.0W	4 5.179	-0.0028	13	-35 38 32.46	-0.035	13	0.26	5.220	15	35.4	31.95	21	35.4	K2	C8	5707	C -35 7704
39		9.8W	4 18.207	0.0044	13	-36 56 12.27	-0.070	13	0.26	18.201	15	35.4	11.25	21	35.4	K1 L	C8	5708	C -36 7651
40	10.4	10.0W	4 24.327	0.0000	21	-32 18 20.12	-0.025	21	0.41	24.326	22	33.4	19.71	21	33.4	G2 L	C7	6039	C -31 9481
41	9.6	9.5W	4 24.328	-0.0018	21	-34 0 43.37	-0.008	21	0.41	24.359	22	33.4	43.23	21	33.4	G0	C7	6040	C -33 8175
42	9.2	9.1W	4 31.258	-0.0051	13	-39 57 49.83	-0.019	13	0.26	31.333	15	35.4	49.55	21	35.4	A0	C8	5710	C -39 7463
43	10.3	9.7W	4 33.878	-0.0000	21	-34 15 42.22	-0.035	21	0.41	33.879	22	33.4	41.63	21	33.4	K0	C7	6041	C -33 8177
44	9.4	9.5W	4 36.950	-0.0011	21	-32 36 40.13	-0.006	21	0.41	36.968	22	33.4	40.03	21	33.4	B9 L	C7	6042	C -32 8514
45	8.6	8.7W	4 39.618	-0.0022	21	-30 25 51.62	-0.009	21	0.41	39.654	22	33.4	51.47	21	33.4	A5	C7	6043	C -30 9682
46	9.8	9.1W	4 47.973	-0.0046	21	-34 40 26.78	-0.032	21	0.41	48.050	22	33.4	26.24	21	33.4	K0	C7	6044	C -34 7923
47		7.4T	4 48.029	-0.0020	22	-32 23 0.95	-0.032	20	0.97	48.119	19	04.6	59.50	19	05.0	A0	GC	16561	C -31 9491
48	9.9	8.9W	4 54.784	0.0008	13	-38 44 32.88	-0.036	13	0.26	54.772	15	35.4	32.35	21	35.4	K0	C8	5711	C -38 7517
49	11.0	9.6W	4 59.477	-0.0022	13	-35 16 46.37	-0.008	13	0.26	59.509	15	35.4	46.25	21	35.4	K0	C8	5712	C -34 7924
50		6.8T	5 0.880	-0.0075	14	-31 7 50.94	-0.122	13	0.73	1.263	17	99.0	44.57	17	97.8	F8	GC	16567	C -30 9687
51	10.3	9.9W	12 5 2.579	-0.0077	09	-36 54 24.51	-0.011	09	0.22	2.691	15	35.4	24.35	21	35.4	F8	C8	5713	C -36 7656
52	10.1	9.4W	5 5.832	-0.0040	21	-33 37 47.80	-0.046	21	0.41	5.899	22	33.4	47.03	21	33.4	K0	C7	6047	C -33 8184
53	10.6	9.5W	5 9.778	-0.0018	21	-34 10 32.10	0.002	21	0.41	9.809	22	33.4	32.13	21	33.4		C7	6048	C -33 8185
54	10.7	10.2W	5 11.908	-0.0009	18	-36 15 28.60	-0.065	18	0.32	11.921	15	35.4	27.65	21	35.4	G5 L	C8	5714	C -37 7675
55	9.6	9.5W	5 14.499	-0.0024	21	-33 26 29.21	-0.005	21	0.41	14.538	22	33.4	29.13	21	33.4	G0	C7	6049	C -33 8186
56	10.6		5 22.121	-0.0191	23	-35 14 34.64	0.083	23	0.38	22.399	15	35.4	35.85	21	35.4	F8 L	C8	5715	C -34 7927
57	10.7	9.3W	5 26.110	-0.0014	18	-39 0 40.74	0.035	18	0.32	26.132	15	35.4	41.25	21	35.4	K5	C8	5716	C -38 7526
58	7.8	8.1W	5 26.514	-0.0019	21	-30 51 45.07	0.013	21	0.41	26.546	22	33.4	45.29	21	33.4	A0	C7	6050	C -30 9691
59	10.4	9.7W	5 27.147	-0.0025	21	-33 57 13.30	-0.004	21	0.41	27.189	22	33.4	13.23	21	33.4	G5 L	C7	6051	C -33 8187
60		10.1W	5 31.876	-0.0058	13	-36 29 45.19	0.025	13	0.26	31.960	15	35.4	45.55	21	35.4	G5 L	C8	5717	C -36 7659
61		10.2W	5 37.094	-0.0084	23	-35 12 40.49	0.011	23	0.38	37.129	15	35.4	40.65	21	35.4	K0 L	C8	5718	C -34 7930
62		6.8T	5 44.507	-0.0052	06	-34 23 48.89	-0.012	05	0.25	44.733	09	06.1	48.30	10	02.9	K0	GC	16583	C#-33 8191
63	9.4	9.1W	5 46.520	0.0039	21	-30 41 3.72	-0.056	21	0.41	46.456	22	33.4	2.79	21	33.4	G0	C7	6053	C -30 9698
64	10.1	9.5W	5 50.479	-0.0008	13	-39 26 20.80	-0.010	13	0.26	50.492	15	35.4	20.65	21	35.4	K5	C8	5719	C -39 7480
65	10.4	9.9W	5 56.902	-0.0039	13	-35 13 0.77	-0.022	13	0.26	56.959	15	35.4	0.45	21	35.4	G5	C8	5720	C -34 7935
66	9.2	9.4W	5 59.900	0.0001	21	-33 32 33.30	-0.034	21	0.41	59.899	22	33.4	32.73	21	33.4	A2	C7	6054	C -33 8194
67	9.9	8.9W	6 3.505	-0.0004	13	-37 27 40.96	-0.035	13	0.26	3.511	15	35.4	40.45	21	35.4	K0	C8	5721	C -37 7681
68	10.6		6 9.559	-0.0028	13	-35 46 55.35	-0.027	13	0.26	9.600	15	35.4	54.95	21	35.4	F8 L	C8	5722	C -35 7729
69	10.5	9.8W	6 9.933	0.0022	21	-31 44 6.63	-0.007	21	0.41	9.896	22	33.4	6.51	21	33.4		C7	6055	C -31 9507
70	10.4	9.1W	6 17.413	-0.0040	21	-34 35 9.53	-0.005	21	0.41	17.480	22	33.4	9.44	21	33.4	K L	C7	6056	C -34 7941
71	10.6	10.6W	6 28.098	0.0001	21	-32 16 33.39	-0.017	21	0.41	28.096	22	33.4	33.11	21	33.4		C7	6057	C -31 9509
72	9.7	8.3W	6 30.114	-0.0020	21	-32 48 25.49	-0.040	21	0.41	30.148	22	33.4	24.83	21	33.4	K5	C7	6058	C -32 8529
73		9.2W	6 32.272	-0.0040	21	-33 20 40.04	-0.013	21	0.41	32.338	22	33.4	39.83	21	33.4	A0 L	C7	6059	C -32 8530
74	9.1	8.9W	6 36.654	-0.0066	13	-36 24 55.67	-0.036	13	0.26	36.750	15	35.4	55.35	21	35.4	G0	C8	5723	C -35 7741
75	10.1	9.3W	6 42.287	0.0032	13	-35 37 48.43	-0.053	13	0.26	42.240	15	35.4	47.65	21	35.4	K2	C8	5724	C -35 7742
76	10.0	9.8W	6 42.466	-0.0006	21	-31 15 11.20	0.005	21	0.41	42.476	22	33.4	11.29	21	33.4	G5	C7	6060	C -30 9708
77	9.8	9.3W	6 46.655	-0.0008	21	-33 52 13.92	0.013	21	0.41	46.669	22	33.4	14.13	21	33.4	G5	C7	6061	C -33 8208
78	9.8	8.7W	6 49.121	-0.0007	15	-38 27 5.65	-0.034	15	0.29	49.130	15	35.4	5.15	21	35.4	K2	C8	5725	C -38 7540
79	10.6	10.1W	7 8.947	-0.0012	21	-31 56 28.93	0.029	21	0.41	8.966	22	33.4	29.41	21	33.4		C7	6062	C -31 9519
80		7.6T	7 12.584	-0.0020	12	-33 12 33.11	-0.006	12	0.63	12.684	18	99.6	32.78	18	97.8	A0	GC	16610	C -32 8538
81	10.5	10.5W	7 17.046	-0.0043	21	-32 15 53.54	-0.032	21	0.41	17.116	22	33.4	53.01	21	33.4		C7	6064	C -31 9520
82	9.0	9.0W	7 23.734	0.0004	21	-32 57 23.45	-0.019	21	0.42	23.728	22	32.9	21.12	21	32.9	F5	C7	6065	C -32 8540
83		6.1T	7 27.164	-0.0044	09	-34 25 35.57	-0.022	06	0.42	27.391	14	97.9	34.26	14	91.3	A0	GC	16613K	C#-34 7956
84	10.4	9.4W	7 29.771	-0.0021	13	-36 32 51.97	-0.015	13	0.26	29.801	15	35.4	51.75	21	35.4	K5	C8	5726	C -36 7675
85	9.7	9.8W	7 32.547	-0.0030	21	-34 24 51.98	-0.026	21	0.42	32.599	22	32.9	51.53	21	32.9	F0 L	C7	6067	C -33 8218
86	10.1	10.2W	7 36.322	0.0027	21	-30 47 20.59	-0.035	21	0.42	36.276	22	32.9	19.99	21	32.9	F8	C7	6068	C -30 9720
87	10.4	9.7W	7 37.523	-0.0044	21	-33 36 4.43	-0.058	21	0.42	37.599	22	32.9	3.43	21	32.9	G5 L	C7	6069	C -33 8220
88	9.5	8.6W	7 40.412	-0.0034	13	-36 54 58.70	-0.010	13	0.26	40.461	15	35.4	58.55	21	35.4	K0	C8	5728	C -36 7677
89	8.2	8.0W	7 41.229	-0.0012	21	-34 46 40.03	-0.034	21	0.42	41.250	22	32.9	39.44	21	32.9	F2	C7	6070	C -34 7957
90	9.3	9.2W	7 42.664	-0.0007	21	-31 0 57.30	0.005	21	0.42	42.676	22	32.9	57.39	21	32.9	F0	C7	6071	C -30 9722
91	8.5	8.3W	7 45.453	-0.0000	21	-34 57 25.23	-0.005	21	0.42	45.590	22	32.9	25.14	21	32.9	F8	C7	6072	C -34 7958
92	9.1	8.8W	7 46.321	-0.0048	18	-37 53 56.31	0.023	18	0.32	46.390	15	35.4	56.65	21	35.4	F8	C8	5729	C -37 7710
93	10.8	10.2W	7 48.820	-0.0022	21	-32 36 4.25	0.010	21	0.42	48.858	22	32.9	4.42	21	32.9		C7	6073	C -32 8541
94	9.4	9.3W	7 51.668	-0.0041	21	-34 19 32.80	0.031	21	0.42	51.739	22	32.9	33.33	21	32.9	A0	C7	6074	C -33 8225
95		6.1T	7 57.734	0.0032	11	-37 35 29.79	-0.030	10	0.58	57.565	19	97.1	28.07	18	93.5	A2	GC	16624	C -37 7714
96	10.6	10.4W	7 58.586	-0.0065	21	-32 11 27.51	0.017	21	0.42	58.696	22	32.9	27.81	21	32.9		C7	6075	C -31 9527
97		7.7T	8 0.436	-0.0043	15	-36 33 22.83	0.009	11	0.69	0.644	19	01.4	23.29	19	96.6	A2	GC	16627K	C#-36 7679
98	10.2	10.4W	8 3.067	-0.0006	21	-32 37 14.87	0.015	21	0.42	3.078	22	32.9	15.12	21	32.9		C7	6076	C -32 8543
99	10.2	10.0W	8 5.462	0.0033	21	-31 24 4.21	0.057	21	0.42	5.406	22	32.9	5.19	21	32.9		C7	6077	C -30 9727
00	10.5	10.0W	8 7.898	-0.0023	21	-32 4 10.60	0.000	21	0.42	7.936	22	32.9	10.61	21	32.9		C7	6078	C -31 9530

203200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 12H DM NUMBER
1	10.6	10.1W	12 8 12.697	-0.0036	13	-35 24 0.57	-0.008	13	0.26	12.749	15	35.4	0.45	21	35.4	G8 L	C8	5733	C -34 7962
2	8.5	7.7W	8 16.908	0.0030	21	-33 11 22.49	-0.074	21	0.42	16.858	22	32.9	21.22	21	32.9	K0	C7	6079	C -32 8545
3	9.5	9.3W	8 18.531	0.0000	13	-36 34 4.27	-0.049	13	0.26	18.531	15	35.4	3.55	21	35.4	F8	C8	5734	C -36 7683
4	10.1	9.6W	8 21.154	-0.0066	13	-36 12 42.59	-0.078	13	0.26	21.250	15	35.4	41.45	21	35.4	G0	C8	5735	C -35 7762
5	10.5	9.6W	8 22.898	-0.0023	13	-37 16 14.10	0.017	13	0.26	22.931	15	35.4	14.35	21	35.4	K2	C8	5737	C -36 7685
6	10.3	10.0W	8 30.407	0.0004	18	-38 46 7.18	0.039	18	0.32	30.402	15	35.4	7.75	21	35.4	G	C8	5739	C -38 7557
7	9.9	9.5W	8 34.208	-0.0050	06	-39 26 47.19	-0.016	06	0.20	34.281	15	35.4	46.95	21	35.4	G0	C8	5740	C -39 7501
8	9.3	8.0W	8 35.964	-0.0025	21	-32 55 24.28	-0.009	21	0.42	36.008	22	32.9	24.12	21	32.9	K2	C7	6080	C -32 8547
9	9.7	9.6W	8 39.384	-0.0032	21	-33 26 22.29	0.031	21	0.42	39.438	22	32.9	22.82	21	32.9	G0	C7	6081	C -33 8231
10	10.5	9.4W	8 41.849	-0.0029	21	-34 28 52.86	-0.054	21	0.42	41.899	22	32.9	51.93	21	32.9	K2 L	C7	6082	C -34 7969
11	10.0	9.3W	8 42.404	-0.0019	21	-31 36 57.93	-0.025	21	0.42	42.436	22	32.9	57.51	21	32.9	K0	C7	6083	C -31 9533
12	10.5	9.5W	8 45.100	-0.0056	13	-39 55 56.43	-0.019	13	0.26	45.182	15	35.4	56.15	21	35.4	K0 L	C8	5741	C -39 7503
13	9.0	8.5W	8 45.881	0.0020	21	-32 21 17.62	0.011	21	0.42	45.846	22	32.9	17.81	21	32.9	G5	C7	6084	C -31 9534
14	10.4	10.0W	8 49.253	-0.0003	21	-34 11 15.05	0.052	21	0.42	49.259	22	32.9	15.93	21	32.9		C7	6085	C -33 8233
15	9.4	7.9W	8 53.994	0.0004	21	-33 20 30.91	-0.005	21	0.42	53.988	22	32.9	30.82	21	32.9	K2	C7	6086	C -32 8551
16	9.6	9.2W	8 54.919	0.0066	21	-31 16 42.23	-0.020	21	0.42	54.806	22	32.9	41.89	21	32.9	G0	C7	6087	C -30 9740
17	10.7	10.2W	9 5.583	-0.0026	21	-33 6 7.57	-0.020	21	0.42	5.628	22	32.9	7.22	21	32.9	G0 L	C7	6088	C -32 8553
18	9.3	9.7W	9 5.760	-0.0017	21	-34 33 31.21	-0.033	21	0.42	5.790	22	32.9	30.64	21	32.9	A0	C7	6089	C -34 7975
19		7.7T	9 6.340	-0.0050	13	-30 19 31.15	-0.004	09	0.60	6.586	18	01.0	30.96	18	97.4	K0	GC	16654K	C*-29 9603
20	10.0	8.6W	9 9.163	-0.0006	13	-37 58 51.07	-0.015	13	0.26	9.171	15	35.4	50.85	21	35.4	K0	C8	5745	C -37 7725
21	10.8	9.4W	9 11.588	-0.0083	13	-35 22 39.96	0.034	13	0.26	11.709	15	35.4	40.45	21	35.4	K2 L	C8	5746	C -34 7978
22	10.2	9.9W	9 14.974	-0.0071	21	-30 40 51.63	0.003	21	0.42	15.096	22	32.9	51.69	21	32.9	K0	C7	6091	C -30 9745
23	9.0	9.0W	9 19.751	-0.0013	18	-35 59 52.70	-0.051	18	0.32	19.770	15	35.4	51.95	21	35.4	F0	C8	5747	C -35 7774
24	10.9	10.2W	9 25.019	-0.0104	18	-38 13 34.43	-0.019	18	0.32	25.170	15	35.4	34.15	21	35.4	G5 L	C8	5748	C -37 7727
25	10.4	9.7W	9 25.980	-0.0016	21	-32 51 12.01	0.001	21	0.42	26.008	22	32.9	12.02	21	32.9	K0	C7	6092	C -32 8555
26	9.0	8.6W	9 36.964	0.0043	06	-37 18 10.27	-0.008	06	0.20	36.901	15	35.4	10.15	21	35.4	F5	C8	5749	C -36 7699
27	10.7	10.0W	9 38.163	-0.0020	21	-32 5 44.77	0.008	21	0.42	38.196	22	32.9	44.91	21	32.9	K0 L	C7	6093	C -31 9545
28	9.9	9.5W	9 47.372	-0.0075	10	-39 17 44.40	-0.003	10	0.23	47.482	15	35.4	44.35	21	35.4	F8	C8	5751	C -38 7571
29	10.0	8.8W	9 47.546	-0.0019	21	-34 0 12.13	-0.011	21	0.42	47.579	22	32.9	11.93	21	32.9	K5	C7	6094	C -33 8243
30	10.1	9.0W	9 48.201	-0.0021	21	-31 48 1.85	-0.020	21	0.42	48.236	22	32.9	1.51	21	32.9	K0	C7	6095	C -31 9548
31	10.5	9.7W	9 48.708	-0.0022	13	-36 1 49.31	-0.031	13	0.26	48.740	15	35.4	48.85	21	35.4	G5 L	C8	5752	C -35 7779
32	10.3	9.5W	9 52.824	-0.0008	21	-32 32 36.05	-0.066	21	0.42	52.838	22	32.9	34.92	21	32.9	K0	C7	6096	C -32 8560
33		7.0T	9 53.181	-0.0022	17	-33 7 37.76	-0.015	13	0.76	53.285	17	02.1	37.02	18	00.2	A2	GC	16673	C -32 8561
34	10.6	9.8W	9 54.184	-0.0019	21	-31 34 35.94	-0.002	21	0.42	54.216	22	32.9	35.91	21	32.9	G2 L	C7	6098	C -31 9549
35		9.9W	10 0.229	-0.0069	13	-35 16 26.50	-0.017	13	0.26	0.329	15	35.4	26.25	21	35.4	K1 L	C8	5754	C -34 7988
36	7.9	8.0W	10 3.146	0.0004	21	-34 49 12.79	-0.055	21	0.42	3.140	22	32.9	11.84	21	32.9	A0	C7	6099	C -34 7989
37	10.6	9.7W	10 11.310	-0.0069	10	-39 29 34.75	-0.048	10	0.23	11.411	15	35.4	34.05	21	35.4		C8	5755	C -39 7513
38		7.6T	10 11.632	0.0008	11	-37 14 56.54	-0.011	08	0.43	11.599	14	09.1	56.05	12	06.8	K2	GC	16681	C -36 7706
39	10.6	9.6W	10 15.854	-0.0067	08	-37 6 38.62	-0.142	08	0.22	15.951	15	35.4	36.55	21	35.4	K5	C8	5757	C -36 7707
40	8.2	8.3W	10 17.992	-0.0008	21	-31 1 36.57	0.036	21	0.42	18.006	22	32.9	37.19	21	32.9	A2	C7	6100	C -30 9760
41	10.4	9.4W	10 22.697	-0.0000	21	-33 7 33.35	0.016	21	0.42	22.698	22	32.9	33.62	21	32.9	K2 L	C7	6101	C -32 8565
42	9.7	9.7W	10 28.213	0.0027	21	-32 29 29.29	-0.034	21	0.42	28.166	22	32.9	28.71	21	32.9	F8	C7	6102	C -32 8566
43	8.5	7.5W	10 28.742	-0.0008	21	-31 14 27.09	-0.059	21	0.42	28.756	22	32.9	26.09	21	32.9	K0	C7	6103	C -30 9762
44	9.5	9.7W	10 32.486	-0.0003	13	-35 40 32.15	-0.007	13	0.26	32.490	15	35.4	32.05	21	35.4	A2	C8	5759	C -35 7787
45		6.6T	10 36.996	-0.0026	13	-33 50 50.82	-0.010	12	0.65	37.122	15	00.6	50.28	18	98.2	M8	GC	16687	C*-33 8252
46	8.5	7.5W	10 37.024	-0.0037	21	-33 3 18.90	-0.016	21	0.42	37.088	22	32.9	18.62	21	32.9	K0	C7	6105	C -32 8571
47	9.1	9.4W	10 37.190	-0.0029	21	-35 5 20.09	0.015	21	0.42	37.239	22	32.9	20.34	21	32.9	A0	C7	6106	C -34 7995
48	9.5	8.7W	10 41.468	-0.0017	21	-33 1 41.60	-0.022	21	0.42	41.498	22	32.9	41.22	21	32.9	K0	C7	6107	C -32 8573
49	9.7	9.2W	10 47.654	-0.0074	13	-39 48 2.15	0.007	13	0.26	47.763	15	35.4	2.25	21	35.4	G5	C8	5760	C -39 7520
50		5.9T	10 48.676	-0.0006	10	-38 39 3.40	-0.010	08	0.56	48.709	18	93.5	2.75	17	88.2	B3	GC	16692	C*-38 7581
51	10.1	10.2W	12 10 53.849	0.0012	21	-33 59 58.59	-0.038	21	0.42	53.829	22	32.9	57.93	21	32.9	G0	C7	6108	C -33 8255
52		6.4T	11 0.539	-0.0007	10	-33 30 52.59	-0.015	12	0.60	0.574	17	96.5	51.80	17	98.3	B9	GC	16696K	C*-33 8257
53	10.2	9.0W	11 1.721	-0.0000	13	-38 31 14.95	-0.055	13	0.26	1.722	15	35.4	14.15	21	35.4	K0	C8	5762	C -38 7586
54	10.5	9.5W	11 4.508	-0.0015	13	-36 1 49.72	-0.012	13	0.26	4.530	15	35.4	49.55	21	35.4	G8 L	C8	5763	C -35 7796
55	10.6	9.5W	11 5.285	-0.0018	18	-39 18 45.07	-0.001	18	0.32	5.311	15	35.4	45.05	21	35.4	K1 L	C8	5764	C -38 7587
56	10.2	9.2W	11 16.176	-0.0007	21	-33 52 22.06	-0.007	21	0.42	16.189	22	32.9	21.93	21	32.9	K2	C7	6110	C -33 8260
57	9.7	9.6W	11 23.084	-0.0007	21	-30 43 35.95	-0.043	21	0.42	23.096	22	32.9	36.69	21	32.9	F5	C7	6111	C -30 9769
58	9.6	8.6W	11 24.015	-0.0004	13	-36 38 9.52	-0.025	13	0.26	24.021	15	35.4	9.15	21	35.4	K2	C8	5765	C -36 7721
59		7.5T	11 25.535	-0.0139	14	-32 6 32.12	-0.017	12	0.68	26.217	18	00.9	31.24	18	98.7	G5	GC	16704	C*-31 9562
60	10.7	10.0W	11 28.487	-0.0070	13	-35 16 0.82	-0.039	13	0.26	28.589	15	35.4	0.25	21	35.4	G5 L	C8	5766	C -34 8003
61	7.1	7.2W	11 29.833	-0.0046	13	-36 27 3.94	-0.040	13	0.26	29.900	15	35.4	3.35	21	35.4	A2	C8	5767	C -36 7723
62	7.4	8.0W	11 30.481	-0.0006	13	-36 16 42.54	-0.013	13	0.26	30.490	15	35.4	42.35	21	35.4	B8	C8	5768	C -35 7804
63		7.3T	11 42.066	-0.0031	13	-33 30 3.58	0.011	12	0.66	42.220	18	99.7	4.12	18	99.8	A2	GC	16713	C -33 8266
64	10.1	9.0W	11 48.776	-0.0031	13	-39 26 46.75	0.021	13	0.26	48.822	15	35.4	47.05	21	35.4	K0	C8	5769	C -39 7533
65	10.1	9.9W	11 51.192	0.0039	21	-30 38 12.80	0.011	21	0.42	51.126	22	32.9	12.99	21	32.9	G0	C7	6114	C -30 9775
66	9.2	8.5W	11 53.446	-0.0024	21	-33 24 9.03	-0.018	21	0.42	53.488	22	32.9	8.72	21	32.9	K0	C7	6115	C -32 8586
67		10.3W	12 1.899	0.0001	21	-32 25 14.48	-0.010	21	0.42	1.896	22	32.9	14.31	21	32.9		C7	6116	C -31 9568
68		8.5R	12 4.609	0.0001	20	-30 0 42.11	-0.044	20	0.36	4.608	16	33.4	41.39	16	33.4	K5 J	13B	7922	J -29 9628
69	10.5	9.3W	12 6.176	-0.0048	21	-33 44 56.98	-0.014	21	0.42	6.259	22	32.9	56.73	21	32.9	K2	C7	6117	C -33 8274
70	9.2	9.2W	12 8.057	-0.0087	21	-31 27 15.05	0.037	21	0.42	8.206	22	32.9	15.69	21	32.9	A5	C7	6118	C*-31 9569
71	9.6	9.4W	12 8.874	-0.0046	15	-37 29 50.52	-0.066	15	0.29	8.941	15	35.4	49.55	21	35.4	F0	C8	5770	C -37 7757
72	10.2	9.4W	12 16.020	0.0006	21	-34 37 51.86	-0.001	21	0.42	16.010	22	32.9	51.84	21	32.9	K0	C7	6119	C -34 8014
73	9.7	10.1W	12 16.568	-0.0022	21	-30 56 20.19	-0.018	21	0.42	16.606	22	32.9	19.89	21	32.9	A0	C7	6120	C -30 9781
74	9.9	9.0W	12 20.925	-0.0001	21	-31 33 40.12	0.005	21	0.42	20.926	22	32.9	40.21	21	32.9	K2	C7	6121	C -31 9574
75	7.5	7.7W	12 23.050	-0.0055	13	-35 56 34.36	-0.014	13	0.26	23.130	15	35.4	34.15	21	35.4	A2	C8	5771	C -35 7813
76	9.7	9.7W	12 26.745	-0.0090	21	-35 5 21.54	-0.017	21	0.42	26.899	22	32.9	21.24	21	32.9	F0	C7	6122	C -34 8017
77	10.6	10.1W	12 29.888	-0.0064	18	-38 21 35.34	-0.040	18	0.32	29.981	15	35.4	34.75	21	35.4	F5 L	C8	5772	C -37 7764
78	9.5	9.3W	12 32.885	-0.0043	21	-33 44 30.65	-0.001	21	0.42	32.959	22	32.9	30.63	21	32.9	F5	C7	6123	C -33 8281
79	10.3	9.7W	12 34.351	-0.0004	21	-33 35 43.91	-0.016	21	0.42	34.359	22	32.9	43.63	21	32.9	K0 L	C7	6124	C -33 8282
80		10.1W	12 35.869	-0.0049	13	-35 33 36.60	-0.017	13	0.26	35.940	15	35.4	36.35	21	35.4	K0 L	C8	5774	C -35 7815
81	9.5	9.6W	12 41.910	-0.0023	21	-34 47 15.90	-0.044	21	0.42	41.950	22	32.9	15.14	21	32.9	A5	C7	6125	C -34 8022
82	10.7	9.8W	12 44.559	-0.0023	21	-33 33 51.76	-0.013	21	0.42	44.599	22	32.9	51.53	21	32.9		C7	6126	C -33 8285
83	9.1	9.1W	12 48.003	0.0002	21	-34 44 6.89	-0.020	21	0.42	48.000	22	32.9	6.54	21	32.9	A0	C7	6127	C -34 8025
84	10.7	9.6W	12 50.218	0.0130	21	-30 48 55.41	-0.095	21	0.42	49.996	22	32.9	53.79	21	32.9	K5	C7	6128	C -30 9789
85	9.0	7.5W	12 58.000	-0.0015	21	-31 24 45.19	-0.041	21	0.42	58.026	22	32.9	44.49	21	32.9	MA	C7	6129	C -30 9791
86	10.9	10.0W	13 1.022	0.0001	13	-36 8 30.22	0.009	13	0.26	1.020	15	35.4	30.35	21	35.4	K0 L	C8	5777	C -35 7817
87	9.3	9.2W	13 15.817	-0.0016	13	-36 28 47.31	-0.031	13	0.26	15.840	15	35.4	46.85	21	35.4	F0	C8	5778	C -36 7736
88	9.2	8.9W	13 18.922	0.0015	21	-31 30 48.11	-0.041	21	0.42	18.896	22	32.9	47.41	21	32.9	G0	C7	6130	C -31 9585
89	9.7	8.8W	13 21.419	-0.0004	21	-31 29 31.70	0.005	21	0.42	21.426	22	32.9	31.79	21	32.9	K0	C7	6131	C -31 9587
90	9.2	9.0W	13 21.576	-0.0041	21	-30 43 30.94	-0.015	21	0.42	21.646	22	32.9	30.69	21	32.9	F5	C7	6132	C -30 9797
91	9.5	8.6W	13 22.514	0.0005	21	-30 49 58.14	-0.009	21	0.42	22.506	22	32.9	57.99	21	32.9	K0	C7	6133	C -30 9796
92	9.9	9.2W	13 23.329	0.0042	21	-32 6 29.51	-0.024	21	0.42	23.256	22	32.9	29.11	21	32.9	K0	C7	6134	C -31 9586
93	9.1	8.9W	13 24.761	0.0014	21	-32 56 44.62	-0.146	21	0.42	24.738	22	32.9	42.12	21	32.9	F8	C7	6135	C -32 8603
94	9.9	10.1W	13 31.371	-0.0056	21	-31 33 36.20	0.012	21	0.42	31.466	22	32.9	36.41	21	32.9	F5	C7	6136	C -31 9588
95	9.5	9.5W	13 31.979	-0.0068	21	-30 49 34.25	0.037	21	0.42	32.096	22	32.9	34.89	21	32.9	F5	C7	6137	C -30 9800
96	10.7	9.7W	13 40.099	-0.0056	13	-36 55 54.99	-0.044	13	0.26	40.181	15	35.4	54.35	21	35.4	K5	C8	5779	C -36 7743
97	9.8	8.7W	13 41.472	-0.0027	21	-33 58 15.91	-0.004	21	0.42	41.519	22	32.9	15.83	21	32.9	K2	C7	6138	C -33 8295
98	10.1	10.1W	13 46.558	-0.0041	21	-34 27 24.94	-0.047	21	0.42	46.629	22	32.9	24.13	21	32.9	G5	C7	6139	C -34 8036
99	9.4	8.7W	13 46.772	-0.0033	21	-33 31 31.46	-0.013	21	0.42	46.829	22	32.9	31.23	21	32.9	K0	C7	6140	C -33 8296
00	10.4	9.9W	13 52.956	-0.0024	18	-38 11 33.67	-0.022	18	0.32	52.991	15	35.4	33.35	21	35.4	F8 L	C8	5780	C -37 7777

203300 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -30° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.6	9.7W	12 13 53.548	0.0026	21	-30 28 32.62	-0.038	21	0.42	53.505	22	32.9	31.97	21	32.9	K2		C7	6141	C -30 9856
2	10.0	10.1W	13 55.571	-0.0010	21	-34 10 15.26	-0.013	21	0.42	55.589	22	32.9	15.03	21	32.9	G5		C7	6142	C -33 8297
3	10.5	10.0W	13 55.831	0.0000	18	-37 23 7.04	0.008	18	0.32	55.831	15	35.4	7.15	21	35.4	G5		C8	5761	C -36 7745
4		9.3R	13 57.540	-0.0028	21	-30 2 35.06	-0.024	21	0.38	57.587	16	33.4	34.67	16	33.4	F8	M	13B	7945	J -29 9643
5	9.8	9.7W	14 1.475	-0.0089	21	-32 10 10.58	-0.004	21	0.42	1.626	22	32.9	10.51	21	32.9	F8		C7	6143	C -31 9592
6	10.4	10.3W	14 4.838	-0.0011	21	-31 32 36.03	0.092	21	0.42	4.856	22	32.9	37.61	21	32.9	G0	L	C7	6144	C -31 9594
7	10.0	9.6W	14 7.461	0.0000	13	-36 38 53.03	-0.033	13	0.26	7.461	15	35.4	52.55	21	35.4	G5		C8	5782	C -36 7747
8	9.7	8.3W	14 10.872	0.0009	21	-32 4 25.93	-0.025	21	0.42	10.856	22	32.9	25.51	21	32.9	K5		C7	6145	C -31 9596
9	10.4	8.9W	14 25.961	-0.0028	13	-39 37 40.44	-0.020	13	0.26	26.002	15	35.4	40.15	21	35.4	K5	L	C8	5784	C -39 7549
10	9.7	9.6W	14 33.599	-0.0056	15	-39 7 55.00	0.010	15	0.29	33.681	15	35.4	55.15	21	35.4	F5		C8	5785	C -38 7614
11	9.7	8.5W	14 52.672	-0.0021	21	-34 13 37.97	0.010	21	0.42	52.709	22	32.9	38.13	21	32.9	MA		C7	6146	C -33 8315
12	8.6	7.1W	14 57.015	-0.0012	13	-39 43 35.00	0.017	13	0.26	57.033	15	35.4	35.25	21	35.4	K2		C8	5788	C -39 7553
13	10.3	9.6W	14 57.187	0.0022	21	-34 59 22.02	-0.004	21	0.42	57.150	22	32.9	21.94	21	32.9	G5	L	C7	6147	C -34 8046
14			15 2.141	0.0007	30	-36 33 56.70	-0.051	30	0.47	2.131	15	35.4	55.95	21	35.4	G5	L	C8	5789	C -36 7756
15	9.9	9.5W	15 2.630	-0.0058	21	-32 57 36.09	0.002	21	0.42	2.728	22	32.9	36.12	21	32.9	K0		C7	6148	C -32 8613
16	9.9	9.5W	15 7.349	0.0019	18	-38 16 53.51	-0.011	18	0.32	7.320	15	35.4	53.35	21	35.4	F8		C8	5791	C*-37 7788
17	9.2	7.9W	15 9.138	-0.0070	06	-36 3 23.65	-0.000	06	0.20	9.240	15	35.4	23.65	21	35.4	K2		C8	5792	C -35 7843
18	8.4	8.2W	15 9.625	-0.0030	21	-30 55 29.09	0.035	21	0.42	9.676	22	32.9	29.69	21	32.9	F0		C7	6149	C -30 9813
19		6.3T	15 10.207	-0.0033	11	-35 48 58.05	-0.010	10	0.60	10.385	18	96.8	57.53	18	95.0	A0		GC	16770K	C*-35 7842
20			15 10.572	0.0035	23	-36 33 12.30	-0.024	23	0.38	10.521	15	35.4	11.95	21	35.4	F0	L	C8	5794	C -36 7758
21	9.5	9.3W	15 11.694	-0.0040	13	-39 35 31.02	-0.046	13	0.26	11.753	15	35.4	30.35	21	35.4	F5		C8	5796	C -39 7555
22	9.2	9.3W	15 16.452	0.0001	13	-35 44 37.71	-0.004	13	0.26	16.450	15	35.4	37.65	21	35.4	A3		C8	5797	C -35 7845
23	9.1	8.5W	15 19.224	0.0085	05	-35 33 10.91	-0.100	05	0.20	19.100	15	35.4	9.45	21	35.4	G5		C8	5798	C -35 7846
24	10.0	9.8W	15 19.475	-0.0024	13	-35 35 40.38	-0.050	13	0.26	19.510	15	35.4	39.65	21	35.4			C8	5799	C -35 7847
25	10.7	10.1W	15 23.635	-0.0001	21	-32 53 47.01	-0.005	21	0.42	23.638	22	32.9	46.92	21	32.9	K0	L	C7	6150	C -32 8618
26	10.4	10.4W	15 34.428	-0.0059	21	-34 35 26.38	-0.072	21	0.42	34.530	22	32.9	25.14	21	32.9			C7	6151	C -34 8054
27	10.7	9.8W	15 39.160	-0.0014	21	-30 15 5.99	-0.013	21	0.42	39.185	22	32.9	5.77	21	32.9	K0		C7	6152	C -29 9656
28	10.6	9.8W	15 39.915	-0.0045	18	-38 43 43.83	-0.019	18	0.32	39.981	15	35.4	43.55	21	35.4	G8	L	C8	5801	C -38 7628
29	8.7	7.9W	15 44.725	-0.0018	09	-38 59 37.07	0.012	09	0.22	44.752	15	35.4	37.25	21	35.4	K0		C8	5802	C -38 7629
30	10.4	10.0W	15 45.321	-0.0027	21	-32 17 54.74	0.004	21	0.42	45.366	22	32.9	54.81	21	32.9	K0		C7	6153	C -31 9611
31	7.8	7.5W	15 48.532	-0.0166	21	-31 13 0.98	-0.099	21	0.42	48.816	22	32.9	59.29	21	32.9	F8		C7	6154	C -30 9819
32	8.1	7.6W	15 59.268	-0.0023	09	-39 8 27.50	0.038	09	0.22	59.302	15	35.4	28.05	21	35.4	G5		C8	5803	C -38 7635
33	9.5	9.2W	16 4.626	-0.0030	21	-31 44 51.52	-0.083	21	0.42	4.676	22	32.9	50.11	21	32.9	G5		C7	6155	C -31 9615
34	10.3	10.0W	16 12.763	-0.0039	13	-35 32 12.04	-0.020	13	0.26	12.820	15	35.4	11.75	21	35.4	F5	L	C8	5805	C -35 7853
35	9.9	9.1W	16 13.828	-0.0011	21	-31 50 14.57	0.008	21	0.42	13.846	22	32.9	14.71	21	32.9	K2		C7	6156	C -31 9618
36	8.3	7.9W	16 15.563	0.0083	08	-39 50 57.62	-0.073	08	0.22	15.443	15	35.4	56.55	21	35.4	G0		C8	5806	C -39 7565
37	10.1	9.5W	16 20.604	-0.0020	21	-34 26 17.30	0.043	21	0.42	20.639	22	32.9	18.03	21	32.9	K0	L	C7	6157	C -34 8064
38	8.5	7.7W	16 22.527	-0.0041	21	-33 0 53.07	-0.014	21	0.42	22.598	22	32.9	52.82	21	32.9	K0		C7	6158	C -32 8626
39	9.2	9.1W	16 24.754	-0.0007	21	-31 13 13.96	0.060	21	0.42	24.766	22	32.9	14.99	21	32.9	A5		C7	6159	C -30 9825
40	10.4	9.7W	16 25.362	0.0002	21	-32 39 40.73	-0.012	21	0.42	25.358	22	32.9	40.52	21	32.9			C7	6160	C -32 8627
41	8.6	8.7W	16 26.802	-0.0048	13	-39 53 8.05	0.014	13	0.26	26.873	15	35.4	8.25	21	35.4	A2		C8	5807	C -39 7568
42		9.6W	16 26.889	-0.0056	13	-37 24 30.78	0.046	13	0.26	26.971	15	35.4	31.45	21	35.4	K2	L	C8	5808	C -36 7769
43		9.4R	16 27.154	-0.0036	21	-30 5 43.64	-0.072	21	0.38	27.213	16	33.4	42.45	16	33.4	F8	M	13B	7962	J -29 9661
44	8.2	8.0W	16 28.473	-0.0032	21	-33 28 2.94	-0.001	21	0.42	28.528	22	32.9	2.92	21	32.9	F0		C7	6161	C -33 8335
45	10.5	10.1W	16 32.004	-0.0025	21	-31 48 29.02	0.011	21	0.42	32.046	22	32.9	29.21	21	32.9	G2	L	C7	6162	C -31 9621
46	10.0	10.1W	16 34.068	0.0059	21	-32 20 18.26	-0.079	21	0.42	33.966	22	32.9	16.91	21	32.9	G0		C7	6163	C -31 9622
47	9.3	9.3W	16 44.529	-0.0017	21	-33 31 9.30	-0.033	21	0.42	44.559	22	32.9	8.73	21	32.9	F0		C7	6164	C -33 8339
48	10.9	9.9W	16 48.993	-0.0060	13	-36 13 42.00	-0.004	13	0.26	49.080	15	35.4	41.65	21	35.4	K0	L	C8	5809	C -35 7859
49	10.2	10.3W	16 51.136	0.0006	21	-31 23 26.05	-0.039	21	0.42	51.126	22	32.9	25.39	21	32.9	F8	L	C7	6165	C -30 9831
50	9.4	8.4W	16 53.551	-0.0033	13	-35 25 57.75	-0.041	13	0.26	53.599	15	35.4	57.15	21	35.4	K2		C8	5810	C -35 7860
51		7.3T	12 16 55.086	-0.0007	13	-32 18 40.42	0.008	10	0.62	55.120	15	00.6	40.83	18	97.7	A2		GC	16803	C -31 9625
52	9.0	8.9W	17 0.628	-0.0028	21	-30 38 13.67	-0.005	21	0.42	0.676	22	32.9	13.59	21	32.9	A5		C7	6167	C -30 9834
53	8.1	8.0W	17 2.713	-0.0019	18	-39 5 57.40	-0.017	18	0.32	2.742	15	35.4	57.15	21	35.4	A2		C8	5811	C -38 7645
54	9.6	9.5W	17 18.240	-0.0051	21	-31 32 25.86	0.020	21	0.42	18.326	22	32.9	26.21	21	32.9	F5		C7	6168	C -31 9632
55	10.4	9.2W	17 18.899	-0.0006	21	-33 8 11.77	-0.020	21	0.42	18.908	22	32.9	11.42	21	32.9			C7	6169	C -32 8635
56		7.6T	17 27.343	-0.0143	13	-37 31 28.59	-0.146	10	0.57	28.006	17	03.6	21.34	17	00.5	F8		GC	16818	C -37 7809
57	10.7	9.5W	17 37.272	0.0009	13	-35 24 17.41	-0.004	13	0.26	37.259	15	35.4	17.35	21	35.4	K2	L	C8	5817	C -34 8085
58	9.7	8.1W	17 38.657	-0.0016	09	-36 21 16.96	-0.035	09	0.22	38.680	15	35.4	16.45	21	35.4	K5		C8	5818	C -35 7870
59	10.7	10.1W	17 43.207	-0.0005	21	-30 36 20.89	0.023	21	0.42	43.216	22	32.9	21.29	21	32.9	G0	L	C7	6170	C -30 9841
60	9.5	9.5W	17 53.783	-0.0033	21	-34 30 52.55	-0.041	21	0.42	53.840	22	32.9	51.84	21	32.9	F8		C7	6171	C -34 8086
61	8.7	8.5W	17 56.674	-0.0053	21	-30 9 42.79	0.040	21	0.42	56.765	22	32.9	43.47	21	32.9	F8		C7	6172	C -29 9677
62	9.9	8.9W	17 56.781	0.0007	13	-35 45 7.05	0.014	13	0.26	56.770	15	35.4	7.25	21	35.4	K0		C8	5819	C -35 7875
63	9.9	9.3W	17 58.351	0.0013	21	-34 57 15.64	-0.070	21	0.42	58.330	22	32.9	14.44	21	32.9	G5		C7	6173	C -34 8087
64		10.2W	17 58.722	-0.0032	21	-33 18 41.19	-0.010	21	0.42	58.778	22	32.9	41.02	21	32.9			C7	6174	C -32 8639
65	9.8	9.4W	18 0.555	-0.0031	13	-35 31 38.34	-0.013	13	0.26	0.600	15	35.4	38.15	21	35.4	F5		C8	5820	C -35 7878
66	8.0	8.2W	18 6.223	-0.0019	13	-35 55 36.25	-0.082	13	0.26	6.250	15	35.4	35.05	21	35.4	A0		C8	5821	C -35 7879
67	9.4	9.5W	18 7.683	-0.0008	21	-32 16 47.53	-0.019	21	0.42	7.696	22	32.9	47.21	21	32.9	A0		C7	6175	C -31 9638
68	8.5	8.4W	18 11.377	0.0002	21	-30 18 0.79	-0.007	21	0.42	11.373	22	32.9	0.67	21	32.9	A2		C7	6176	C -29 9679
69		9.6W	18 11.479	0.0006	13	-36 2 53.51	-0.052	13	0.26	11.470	15	35.4	52.75	21	35.4	K5	L	C8	5822	C -35 7880
70	9.9	8.5W	18 18.489	-0.0056	18	-39 2 38.41	-0.011	18	0.32	18.571	15	35.4	38.25	21	35.4	K5		C8	5823	C -38 7662
71	10.9	9.4W	18 22.429	-0.0021	21	-30 52 40.06	-0.010	21	0.43	22.466	22	32.4	39.89	21	32.4			C7	6177	C -30 9846
72	10.4	10.1W	18 23.734	-0.0071	21	-33 28 45.54	-0.041	21	0.43	23.858	22	32.4	44.82	21	32.4	G0	L	C7	6178	C -33 8360
73	10.0	9.9W	18 25.394	0.0004	21	-32 16 8.46	-0.043	21	0.43	25.386	22	32.4	7.71	21	32.4	F8		C7	6179	C -31 9642
74	8.4	8.1W	18 31.541	-0.0048	09	-38 1 30.09	-0.023	09	0.22	31.610	15	35.4	29.75	21	35.4	F8		C8	5824	C -37 7827
75	10.1	9.6W	18 38.414	-0.0000	21	-30 16 39.28	0.079	21	0.43	38.414	22	32.4	40.67	21	32.4	K0		C7	6180	C -29 9681
76	8.7	8.7W	18 39.207	-0.0041	21	-34 42 5.16	-0.029	21	0.43	39.279	22	32.4	4.64	21	32.4	A2		C7	6181	C -34 8094
77		9.4R	18 39.873	-0.0020	21	-30 3 46.32	-0.135	21	0.38	39.907	16	33.4	44.09	16	33.4	K	M	13B	7983	J -29 9682
78	9.9	9.2W	18 46.789	-0.0028	13	-37 52 52.13	-0.026	13	0.26	46.830	15	35.4	51.75	21	35.4	K0		C8	5827	C -37 7830
79	10.2	10.0W	18 50.233	-0.0019	13	-35 50 11.51	-0.038	13	0.26	50.260	15	35.4	10.95	21	35.4	F2	L	C8	5828	C -35 7885
80	8.9	8.0W	18 52.017	-0.0080	21	-34 4 25.45	0.005	21	0.43	52.159	22	32.4	25.53	21	32.4	K0		C7	6182	C -33 8366
81	9.9	8.5W	18 52.737	0.0002	21	-30 12 27.37	0.023	21	0.43	52.735	22	32.4	27.77	21	32.4	MA		C7	6183	C -29 9686
82	10.0	9.6W	18 56.775	-0.0001	21	-32 0 39.33	-0.007	21	0.43	56.776	22	32.4	39.21	21	32.4	G5		C7	6184	C -31 9647
83	10.4	10.3W	19 0.436	-0.0041	21	-33 53 35.11	0.013	21	0.43	0.509	22	32.4	35.33	21	32.4	F8	L	C7	6185	C -33 8368
84	10.2	9.9W	19 3.402	0.0014	21	-32 52 51.24	0.033	21	0.43	3.378	22	32.4	51.82	21	32.4	G0		C7	6186	C -32 8652
85	10.3	10.1W	19 8.216	-0.0109	21	-33 36 19.18	-0.014	21	0.43	8.409	22	32.4	18.93	21	32.4	F8	L	C7	6187	C -33 8371
86	10.9	9.9W	19 10.033	-0.0005	13	-35 33 6.37	-0.036	13	0.26	10.040	15	35.4	5.85	21	35.4	K0	L	C8	5829	C -35 7891
87	10.1	9.3W	19 10.322	-0.0038	21	-34 30 9.43	-0.050	21	0.43	10.389	22	32.4	8.54	21	32.4	K2		C7	6188	C -34 8098
88	8.8	8.6W	19 11.272	-0.0047	13	-38 51 29.24	-0.040	13	0.26	11.341	15	35.4	28.65	21	35.4	F2		C8	5830	C -38 7673
89	10.6	9.3W	19 15.921	-0.0019	13	-35 21 12.70	-0.010	13	0.26	15.949	15	35.4	12.55	21	35.4	K5	L	C8	5831	C -34 8099
90	10.5	9.1W	19 19.634	-0.0011	13	-36 21 19.64	-0.020	13	0.26	19.650	15	35.4	19.35	21	35.4	G5		C8	5832	C -35 7893
91	10.2	10.0W	19 20.838	-0.0023	13	-36 51 55.07	-0.015	13	0.26	20.871	15	35.4	54.85	21	35.4	F8	L	C8	5833	C -36 7799
92	10.1	9.4W	19 21.181	-0.0044	21	-33 30 50.21	0.007	21	0.43	21.259	22	32.4	50.33	21	32.4	G5		C7	6189	C -33 8373
93	10.5	10.1W	19 23.592	-0.0042	21	-31 19 45.50	-0.035	21	0.43	23.666	22	32.4	44.89	21	32.4	G5	L	C7	6190	C -30 9858
94	9.3	8.4W	19 24.331	0.0007	13	-39 26 47.94	-0.020	13	0.26	24.322	15	35.4	47.65	21	35.4	K0		C8	5834	C -39 7601
95	10.7		19 24.441	-0.0015	21	-31 55 41.44	0.038	21	0.43	24.466	22	32.4	42.11	21	32.4			C7	6191	C -31 9651
96	10.3	8.9W	19 25.435	-0.0029	21	-30 38 28.31	0.044	21	0.43	25.486	22	32.4	29.09	21	32.4	MA		C7	6192	C -30 9859
97	8.6	8.3W	19 27.274	-0.0053	21	-31 40 2.06	-0.128	21	0.43	27.366	22	32.4	59.81	21	32.4	F8		C7	6193	C -31 9653
98		7.0T	19 30.774	-0.0011	17	-35 14 6.02	-0.010	13	0.77	30.828	17	01.8	5.50	18	00.3	K0		GC	16864	C -34 8100
99	8.9	8.0W	19 35.354	0.0009	07	-39 14 30.90	-0.003	07	0.21	35.341	15	35.4	30.85	21	35.4	K0		C8	5836	C -38 7680
00	8.7	8.8W	19 35.575	0.0011	21	-30 53 59.21	-0.007	21	0.43	35.556	22	32.4	59.09	21	32.4	A2		C7	6194	C -30 9861

203400 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −30° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ' ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.0	8.8W	12 19 35.737	-0.0035	21	-33 2 40.95	-0.001	21	0.43	35.798	22	32.4	40.92	21	32.4	F0		C7	6195	C -32 8657
2		7.4T	19 36.197	0.0006	15	-38 10 26.36	-0.030	12	0.69	36.168	21	03.2	24.85	19	00.2	K0		GC	16865	C -37 7842
3	10.5	9.2W	19 38.972	0.0019	21	-34 0 49.07	0.049	21	0.43	38.939	22	32.4	49.93	21	32.4	K5	L	C7	6196	C -33 8377
4	9.4	8.6W	19 44.704	0.0002	13	-39 21 1.04	-0.006	13	0.26	44.701	15	35.4	0.95	21	35.4	K0		C8	5838	C -38 7684
5	10.0	9.8W	19 54.406	-0.0044	13	-36 14 28.57	-0.029	13	0.26	54.470	15	35.4	28.15	21	35.4	A5		C8	5840	C -35 7899
6	10.0	8.4W	19 56.061	0.0007	07	-38 53 34.60	-0.010	07	0.21	56.051	15	35.4	34.45	21	35.4	K2		C8	5841	C -38 7687
7	8.3	8.2W	19 59.624	-0.0053	21	-33 17 0.48	-0.003	21	0.43	59.718	22	32.4	0.42	21	32.4	F2		C7	6197	C -32 8661
8		6.7T	20 5.252	0.0145	16	-38 53 54.58	-0.153	12	0.68	4.593	17	04.6	47.26	17	02.3	G0		GC	16876	C*-38 7689
9	10.6		20 5.390	-0.0001	23	-36 39 49.31	-0.093	23	0.38	5.391	15	35.4	47.95	21	35.4	F5	L	C8	5843	C -36 7810
10	9.8	9.6W	20 7.330	-0.0007	13	-36 1 55.29	0.004	13	0.26	7.340	15	35.4	55.35	21	35.4	F8		C8	5845	C -35 7902
11	9.0	8.2W	20 13.713	-0.0014	21	-33 43 2.52	0.012	21	0.43	13.739	22	32.4	2.73	21	32.4	G5		C7	6198	C -33 8380
12	10.2	9.9W	20 13.820	-0.0038	21	-31 59 38.43	-0.007	21	0.43	13.886	22	32.4	38.31	21	32.4	K0	L	C7	6199	C -31 9658
13	10.1	10.0W	20 18.403	-0.0014	21	-32 42 19.98	0.014	21	0.43	18.428	22	32.4	20.22	21	32.4	G0	L	C7	6200	C -32 8665
14		9.1R	20 19.142	-0.0044	12	-30 3 41.69	-0.035	12	0.25	19.215	16	33.4	41.12	16	33.4	F8	J	13B	7998	J -29 9698
15	10.3	9.4W	20 19.211	-0.0006	13	-36 24 56.12	-0.053	13	0.26	19.220	15	35.4	55.35	21	35.4	K0	L	C8	5847	C -35 7905
16	9.7	9.6W	20 32.917	-0.0050	13	-35 33 17.32	-0.005	13	0.26	32.990	15	35.4	17.25	21	35.4	F5		C8	5848	C -35 7907
17	9.0	9.1W	20 33.008	-0.0033	21	-31 15 45.32	0.015	21	0.43	33.066	22	32.4	45.59	21	32.4	A2		C7	6201	C -30 9875
18		7.1T	20 35.896	-0.0046	14	-37 12 44.72	0.032	12	0.68	36.116	17	01.9	46.31	18	99.8	F0		GC	16884	C -36 7814
19	9.4	8.7W	20 39.560	-0.0010	21	-34 7 55.16	-0.030	21	0.43	39.578	22	32.4	54.63	21	32.4	K0		C7	6202	C -33 8383
20		5.4T	20 57.237	-0.0029	07	-35 8 8.01	-0.015	05	0.29	57.363	12	06.7	7.30	12	01.1	B9		GC	16892	C -34 8117
21		6.4T	20 57.848	-0.0011	15	-39 1 32.19	-0.021	11	0.69	57.900	22	02.2	31.10	21	96.7	A5		GC	16893	C -38 7700
22	8.9	8.8W	21 3.566	0.0017	30	-37 50 34.46	-0.014	30	0.47	3.540	15	35.4	34.25	21	35.4	F8		C8	5854	C -37 7852
23	9.9	9.4W	21 5.973	-0.0240	21	-30 30 5.33	0.225	21	0.43	6.396	22	32.4	9.29	21	32.4	K0		C7	6204	C -30 9882
24		5.9T	21 6.096	-0.0034	11	-38 38 2.04	-0.005	08	0.56	6.278	21	96.2	1.73	15	94.2	B9		GC	16896	C*-38 7701
25	10.8	9.1W	21 6.861	0.0007	13	-36 35 51.36	-0.028	13	0.26	6.851	15	35.4	50.95	21	35.4	K2	L	C8	5856	C -36 7822
26	9.9	9.1W	21 8.492	-0.0018	21	-30 24 38.86	0.029	21	0.43	8.524	22	32.4	39.37	21	32.4	K0		C7	6205	C -29 9708
27		6.6T	21 10.210	0.0007	05	-30 3 29.08	-0.010	07	0.29	10.180	10	06.3	28.67	12	07.2	K2		GC	16897K	C*-29 9709
28	9.3	8.5W	21 24.532	0.0033	21	-30 13 41.34	-0.049	21	0.43	24.475	22	32.4	40.47	21	32.4	K2		C7	6206	C -29 9712
29	10.9	10.0W	21 29.956	-0.0017	13	-37 14 49.40	0.010	13	0.26	29.981	15	35.4	49.55	21	35.4	K0	L	C8	5857	C -36 7827
30			21 33.478	-0.0008	13	-35 21 23.46	-0.035	13	0.26	33.489	15	35.4	22.95	21	35.4	MC		C8	5858X	C -34 8125
31		6.9T	21 33.924	0.0023	12	-38 38 13.57	-0.017	12	0.67	33.806	21	99.0	12.62	19	95.6	A5		GC	16905K	C*-38 7710
32	10.5	10.2W	21 35.801	-0.0020	21	-31 19 43.84	0.025	21	0.43	35.836	22	32.4	44.29	21	32.4	F8	L	C7	6207	C -30 9885
33	10.0	8.8W	21 37.392	-0.0054	21	-32 3 8.91	-0.006	21	0.43	37.486	22	32.4	8.81	21	32.4	K5		C7	6208	C -31 9672
34	10.0	9.8W	21 39.034	-0.0002	21	-32 51 2.14	-0.046	21	0.43	39.038	22	32.4	1.32	21	32.4	F8		C7	6209	C -32 8677
35	10.3	10.0W	21 46.557	-0.0006	21	-32 38 29.24	0.016	21	0.43	46.568	22	32.4	29.52	21	32.4	G0	L	C7	6210	C -32 8679
36	10.9	10.4W	21 47.771	-0.0032	21	-32 12 48.72	-0.029	21	0.43	47.826	22	32.4	48.21	21	32.4	K0	L	C7	6211	C -31 9675
37	9.6	8.8W	21 53.856	-0.0036	21	-35 4 9.68	-0.004	21	0.43	53.919	22	32.4	9.74	21	32.4	K2		C7	6212	C -34 8133
38	9.9	8.3W	21 57.713	-0.0025	18	-38 26 37.97	-0.001	18	0.32	57.750	15	35.4	37.95	21	35.4	K5		C8	5860	C -38 7715
39	9.5	8.5W	21 57.744	-0.0001	21	-30 57 35.62	-0.076	21	0.43	57.746	22	32.4	34.29	21	32.4	K2		C7	6213	C -30 9889
40	8.7	8.7W	21 58.590	-0.0008	13	-39 57 15.04	-0.047	13	0.26	58.602	15	35.4	14.35	21	35.4	F0		C8	5861	C -39 7620
41	10.8	10.0W	22 11.044	-0.0030	21	-33 24 56.64	-0.018	21	0.43	11.098	22	32.4	56.32	21	32.4			C7	6214	C -32 8685
42	10.9	9.6W	22 11.788	-0.0015	13	-35 59 54.63	-0.019	13	0.26	11.810	15	35.4	54.35	21	35.4	K5	L	C8	5862	C -35 7931
43	9.9	9.7W	22 11.977	-0.0074	21	-32 19 44.07	0.008	21	0.43	12.106	22	32.4	44.21	21	32.4	F8		C7	6215	C -31 7679
44	9.8	8.7W	22 20.058	-0.0057	21	-34 3 27.34	-0.006	21	0.43	20.159	22	32.4	27.23	21	32.4	K0		C7	6216	C -33 8401
45	10.5		22 22.263	-0.0033	23	-37 51 34.72	0.002	23	0.38	22.310	15	35.4	34.75	21	35.4	F5	L	C8	5863	C -37 7859
46	9.4	8.9W	22 23.208	-0.0023	13	-37 4 42.04	-0.068	13	0.26	23.241	15	35.4	41.05	21	35.4	K0		C8	5864	C -36 7837
47	10.5	10.2W	22 30.358	-0.0096	21	-33 28 24.17	0.060	21	0.43	30.528	22	32.4	25.22	21	32.4	G0	L	C7	6217	C -33 8406
48	8.7	8.5W	22 33.439	-0.0040	21	-32 48 56.03	-0.006	21	0.43	33.508	22	32.4	55.92	21	32.4	F0		C7	6218	C -32 8689
49	10.8	9.6W	22 35.015	-0.0058	13	-35 19 47.78	0.039	13	0.26	35.099	15	35.4	48.35	21	35.4	K1	L	C8	5865	C -34 8144
50		5.8T	22 43.246	-0.0030	06	-34 54 34.09	-0.010	04	0.24	43.377	07	06.3	33.62	07	05.2	B9		GC	16938	C*-34 8146
51	9.5	9.4W	12 22 44.642	-0.0008	21	-30 50 24.72	0.015	21	0.43	44.656	22	32.4	24.99	21	32.4			C7	6220	C -30 9898
52	9.3	8.3W	22 45.394	-0.0011	13	-36 26 21.47	-0.056	13	0.26	45.410	15	35.4	20.65	21	35.4	K2		C8	5866	C -36 7840
53	9.0	8.3W	22 45.972	0.0015	21	-30 51 12.82	-0.019	21	0.43	45.946	22	32.4	12.49	21	32.4	G5		C7	6221	C -30 9899
54	10.2	9.5W	22 46.075	-0.0012	21	-31 22 0.73	-0.037	21	0.43	46.096	22	32.4	0.09	21	32.4	K2		C7	6222	C -30 9900
55	9.7	9.5W	22 46.974	-0.0025	21	-33 59 49.62	0.001	21	0.43	47.019	22	32.4	49.63	21	32.4	F8		C7	6223	C -33 8409
56	10.0	9.6W	22 49.402	-0.0143	21	-30 23 27.17	0.006	21	0.43	49.654	22	32.4	27.27	21	32.4	K0		C7	6224	C -29 9731
57	9.9	9.7W	22 50.846	0.0017	18	-39 15 22.91	-0.004	18	0.32	50.822	15	35.4	22.85	21	35.4	F5	L	C8	5867	C -38 7727
58	10.9		22 56.858	-0.0023	13	-36 36 58.22	0.023	13	0.26	56.891	15	35.4	58.55	21	35.4	F8	L	C8	5868	C -36 7842
59	10.2	9.2W	23 15.787	-0.0002	13	-35 52 38.25	-0.034	13	0.26	15.790	15	35.4	37.75	21	35.4	K1	L	C8	5870	C -35 7945
60	10.3	9.6W	23 21.901	-0.0016	21	-34 31 46.27	-0.024	21	0.43	21.929	22	32.4	45.84	21	32.4	K2	L	C7	6225	C -34 8153
61	8.7	8.0W	23 22.816	-0.0091	21	-31 29 39.84	-0.043	21	0.43	22.976	22	32.4	39.09	21	32.4	K0		C7	6226	C -31 9691
62	9.7	8.9W	23 22.950	-0.0063	13	-39 40 32.87	-0.056	13	0.26	23.042	15	35.4	32.05	21	35.4	K0		C8	5871	C -39 7629
63	10.4	10.0W	23 24.300	-0.0067	21	-34 27 18.51	-0.007	21	0.43	24.419	22	32.4	18.63	21	32.4	G0	L	C7	6227	C -34 8154
64	10.6	9.9W	23 27.844	0.0016	21	-30 54 6.32	-0.019	21	0.43	27.816	22	32.4	5.99	21	32.4	K0	L	C7	6228	C -30 9909
65	9.2	9.0W	23 32.330	-0.0152	05	-37 24 49.77	-0.036	05	0.20	32.551	15	35.4	49.25	21	35.4	F8		C8	5872	C -36 7844
66	9.0	9.3W	23 33.382	-0.0037	21	-32 2 40.56	-0.037	21	0.43	33.446	22	32.4	39.91	21	32.4	B8		C7	6229	C -31 9692
67	8.1	8.3W	23 37.998	-0.0039	21	-31 52 28.17	-0.015	21	0.43	38.066	22	32.4	27.91	21	32.4	A0		C7	6230	C -31 9693
68	8.7	8.5W	23 51.029	0.0013	21	-31 21 7.16	0.007	21	0.43	51.006	22	32.4	7.29	21	32.4	F2		C7	6231	C -30 9913
69	10.5	10.2W	23 53.461	-0.0043	21	-32 59 29.66	-0.002	21	0.43	53.538	22	32.4	29.62	21	32.4	F5	L	C7	6232	C -32 8706
70	10.4	10.0W	23 54.992	-0.0020	21	-32 27 30.37	-0.049	21	0.43	55.026	22	32.4	29.51	21	32.4	G5	L	C7	6233	C -32 8709
71	9.8	9.7W	23 55.605	-0.0001	21	-32 48 41.75	0.010	21	0.43	55.608	22	32.4	41.92	21	32.4	A5		C7	6234	C -32 8708
72	10.6	10.1W	24 5.630	-0.0056	21	-33 24 3.23	0.028	21	0.43	5.728	22	32.4	3.72	21	32.4	G0	L	C7	6235	C -32 8712
73	10.2	9.8W	24 7.112	-0.0009	21	-33 44 23.89	-0.032	21	0.43	7.129	22	32.4	23.33	21	32.4	F8		C7	6236	C -33 8417
74	8.4	8.4W	24 7.415	-0.0011	18	-38 20 51.64	0.008	18	0.32	7.431	15	35.4	51.75	21	35.4	A5		C8	5874	C -37 7882
75	11.0	9.7W	24 10.031	0.0027	13	-36 35 11.68	-0.043	13	0.26	9.991	15	35.4	11.05	21	35.4	K1	L	C8	5875	C -36 7847
76	10.7		24 10.472	-0.0006	18	-36 25 36.47	-0.022	18	0.32	10.480	15	35.4	36.15	21	35.4	F5	L	C8	5876	C -36 7848
77		5.7H	24 13.188	-0.0006	04	-32 33 10.86	-0.030	03	0.12	13.209	06	16.1	9.91	05	18.6	A0		F4	463	C -32 8713
78	9.0	8.9W	24 15.544	-0.0030	21	-32 42 12.15	-0.030	21	0.43	15.598	22	32.4	11.62	21	32.4	A3		C7	6238	C -32 8714
79	10.0	9.7W	24 15.774	-0.0039	13	-37 11 47.29	0.018	13	0.26	15.831	15	35.4	47.55	21	35.4	K0		C8	5877	C -36 7849
80			24 16.851	0.0007	13	-37 11 34.51	-0.072	13	0.26	16.841	15	35.4	33.45	21	35.4	F8		C8	5878	C -36 7850
81	9.9	9.1W	24 17.654	-0.0041	21	-30 56 17.46	0.013	21	0.43	17.726	22	32.4	17.69	21	32.4	K2		C7	6239	C -30 9922
82	10.3	9.4W	24 21.517	0.0011	21	-32 47 6.98	-0.020	21	0.43	21.498	22	32.4	6.62	21	32.4	G5		C7	6240	C -32 8715
83	9.8	8.9W	24 24.638	-0.0029	21	-34 41 45.28	-0.002	21	0.43	24.690	22	32.4	45.24	21	32.4	K2		C7	6241	C -34 8169
84	9.8	9.4W	24 29.330	-0.0167	21	-30 23 15.48	-0.057	21	0.43	29.624	22	32.4	14.47	21	32.4	K0		C7	6242	C -29 9743
85	9.7	9.6W	24 31.522	-0.0048	21	-31 40 14.51	-0.017	21	0.43	31.606	22	32.4	14.21	21	32.4	A2		C7	6243	C -31 9710
86	8.5	8.4W	24 34.928	-0.0040	21	-33 51 18.56	-0.036	21	0.43	34.999	22	32.4	17.93	21	32.4	A2		C7	6244	C -33 8421
87	9.9	8.7W	24 35.971	0.0009	21	-31 2 29.77	-0.022	21	0.43	35.956	22	32.4	29.39	21	32.4	K5		C7	6245	C -30 9924
88	9.9	9.0W	24 42.507	-0.0016	13	-39 5 7.64	-0.040	13	0.26	42.531	15	35.4	7.05	21	35.4	K2		C8	5879	C -38 7740
89		8.3T	24 43.909	-0.0003	13	-32 30 1.60	-0.003	11	0.61	43.923	18	01.6	1.43	19	00.0	K2		GC	16972	C -32 8720
90		10.3W	24 43.979	-0.0050	21	-32 17 31.60	-0.017	21	0.43	44.066	22	32.4	31.31	21	32.4			C7	6247	C -31 9711
91	10.7	9.3W	24 49.015	-0.0010	13	-35 15 54.43	-0.026	13	0.26	49.029	15	35.4	54.05	21	35.4	K5	L	C8	5880	C -34 8174
92	10.2	10.0W	24 54.723	-0.0030	21	-31 22 56.57	-0.022	21	0.43	54.776	22	32.4	56.19	21	32.4	F2	L	C7	6248	C -30 9927
93	9.8	9.8W	24 55.073	-0.0040	18	-38 9 37.16	0.020	18	0.32	55.130	15	35.4	37.45	21	35.4	A3		C8	5881	C -37 7891
94	9.0	9.0W	25 1.161	-0.0015	21	-32 3 13.78	-0.027	21	0.43	1.186	22	32.4	13.31	21	32.4	A2		C7	6249	C -31 9714
95	10.9	10.2W	25 8.000	-0.0034	18	-35 28 14.43	-0.081	18	0.32	8.049	15	35.4	13.25	21	35.4	G8	L	C8	5882	C -35 7964
96	10.7	9.6W	25 12.353	-0.0080	09	-36 14 59.99	0.025	09	0.22	12.470	15	35.4	0.35	21	35.4	K1	L	C8	5883	C -35 7965
97	7.5	7.8W	25 17.662	-0.0006	13	-36 25 49.71	-0.025	13	0.26	17.670	15	35.4	49.35	21	35.4	B9		C8	5884	C -36 7858
98	9.2	7.8W	25 22.875	-0.0059	18	-39 12 23.69	-0.030	18	0.32	22.961	15	35.4	23.25	21	35.4	K5		C8	5885	C -38 7747
99	9.2	9.1W	25 23.150	-0.0020	13	-35 9 19.83	-0.005	13	0.26	23.179	15	35.4	19.75	21	35.4	F2		C8	5886	C -34 8178
00	10.6	9.3W	25 23.213	0.0008	13	-37 9 45.56	-0.069	13	0.26	23.201	15	35.4	44.55	21	35.4	K2	L	C8	5887	C -36 7860

203500			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 12H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1	10.3		12 25 24.050	-0.0001	13	-37 4 22.54	-0.040	13	0.26	24.051	15	35.4	21.95	21	35.4	A3 L	C8	5868	C -36 7859		
2	10.3	9.6W	25 26.895	-0.0008	21	-34 39 47.84	-0.028	21	0.43	26.910	22	32.4	47.34	21	32.4	K L	C7	6251	C -32 8725		
3	10.6	9.4W	25 31.044	-0.0014	21	-32 57 53.49	-0.013	21	0.43	31.068	22	32.4	53.72	21	32.4	K1 L	C8	5889	C -35 7969		
4		10.1W	25 31.135	-0.0044	18	-35 28 0.56	-0.035	18	0.32	31.199	15	35.4	0.05	21	35.4	B9	C8	5890	C -35 7970		
5	8.6	9.2W	25 32.309	-0.0042	13	-36 2 27.05	-0.027	13	0.26	32.370	15	35.4	26.65	21	35.4						
6			25 37.093	-0.0074	13	-37 16 35.19	-0.092	13	0.26	37.201	15	35.4	33.85	21	35.4	G8 L	C8	5891	C -36 7864		
7	8.7	8.4W	25 39.110	0.0109	07	-37 49 30.14	-0.047	07	0.21	38.950	15	35.4	29.45	21	35.4	F5	C8	5892	C -37 7897		
8		5.6H	25 42.451	-0.0025	03	-38 45 52.42	-0.023	03	0.12	42.538	06	14.5	51.66	05	16.5	B8	F4	1320	C -38 7753		
9	10.1	9.8W	25 49.227	-0.0051	21	-33 16 55.55	0.010	21	0.43	49.318	22	32.4	55.72	21	32.4	F2 L	C7	6252	C -32 8729		
10	9.5	9.2W	25 51.788	-0.0006	21	-33 42 30.05	-0.075	21	0.43	51.799	22	32.4	28.73	21	32.4	G0	C7	6253	C -33 8431		
11	10.0	9.3W	25 56.795	0.0016	13	-39 41 31.04	0.001	13	0.26	56.772	15	35.4	31.05	21	35.4	G5	C8	5894	C -39 7645		
12	9.6	8.7W	25 58.860	-0.0048	13	-35 39 15.86	-0.035	13	0.26	58.930	15	35.4	15.35	21	35.4	K0	C8	5895	C -35 7974		
13	9.7	9.5W	26 0.632	-0.0006	08	-37 51 39.55	-0.027	08	0.22	0.640	15	35.4	39.15	21	35.4	G0	C8	5896	C -37 7901		
14	10.1	10.2W	26 3.931	-0.0006	13	-35 23 28.33	-0.026	13	0.26	3.939	15	35.4	27.95	21	35.4	A8 L	C8	5897	C -34 8185		
15	8.5	7.7W	26 13.462	-0.0006	06	-37 41 25.47	-0.022	06	0.20	13.470	15	35.4	25.15	21	35.4	K0	C8	5898	C -37 7902		
16	9.0	9.3W	26 16.272	0.0014	18	-37 44 33.74	-0.006	18	0.32	16.250	15	35.4	33.65	21	35.4	A2	C8	5901	C -37 7903		
17		7.2T	26 28.870	0.0041	14	-34 33 27.35	-0.029	10	0.64	28.669	15	01.0	25.77	18	96.4	K2	GC	17013	C* -34 8188		
18	9.2	9.2W	26 32.653	0.0004	21	-31 15 39.83	0.003	21	0.43	32.646	22	32.4	39.89	21	32.4	A3	C7	6255	C -30 9940		
19	9.9	8.3W	26 35.450	-0.0014	13	-35 43 12.73	-0.019	13	0.26	35.470	15	35.4	12.45	21	35.4	K5	C8	5903	C -35 7980		
20	9.0	8.9W	26 36.248	-0.0009	13	-36 40 17.46	-0.035	13	0.26	36.261	15	35.4	16.95	21	35.4	A2	C8	5904	C -36 7879		
21		9.5T	26 39.331	0.0174	18	-30 33 33.15	-0.307	15	0.84	38.498	19	02.1	17.68	19	99.6	K2	GC	17015	C* -30 9942		
22	7.9	7.8W	26 41.153	-0.0081	06	-39 22 42.87	-0.015	06	0.20	41.271	15	35.4	42.65	21	35.4	F2	C8	5906	C -38 7763		
23	10.7	9.9W	26 48.764	-0.0032	13	-36 3 58.61	0.003	13	0.26	48.810	15	35.4	58.65	21	35.4	K0 L	C8	5907	C -35 7985		
24	10.4	9.5W	26 57.159	0.0000	13	-35 9 50.12	0.002	13	0.26	57.139	15	35.4	50.15	21	35.4	K0 L	C8	5908	C -34 8194		
25	9.8	9.5W	26 58.882	-0.0042	21	-31 25 29.86	0.047	21	0.43	58.956	22	32.4	30.69	21	32.4	G5	C7	6257	C -30 9945		
26	8.8	8.5W	27 5.528	-0.0033	21	-30 52 21.07	0.018	21	0.43	5.586	22	32.4	21.39	21	32.4	F8	C7	6258	C -30 9947		
27	8.4	8.7W	27 13.433	-0.0019	13	-35 33 14.41	-0.018	13	0.26	13.460	15	35.4	14.15	21	35.4	A5	C8	5909	C -35 7988		
28	8.9	8.8W	27 18.178	-0.0009	18	-38 57 4.06	-0.035	18	0.32	18.192	15	35.4	3.55	21	35.4	F0	C8	5910	C -38 7770		
29	10.5	9.5W	27 19.635	-0.0070	21	-34 17 58.29	0.048	21	0.43	19.759	22	32.4	59.13	21	32.4	K5 L	C7	6259	C -33 8445		
30	8.0	8.4W	27 20.433	0.0001	18	-38 3 46.47	-0.008	18	0.32	20.431	15	35.4	46.35	21	35.4	A0	C8	5911	C -37 7910		
31	8.6	9.0W	27 24.001	-0.0044	21	-34 13 22.47	-0.019	21	0.43	24.079	22	32.4	22.13	21	32.4	B3	C7	6260	C -33 8447		
32	10.2	9.9W	27 24.106	-0.0030	13	-35 23 12.87	-0.036	13	0.26	24.149	15	35.4	12.35	21	35.4	F8 L	C8	5912	C -34 8202		
33	10.5	9.5W	27 24.454	-0.0036	21	-31 34 3.68	0.013	21	0.43	24.516	22	32.4	3.91	21	32.4	K2 L	C7	6261	C -31 9726		
34		7.8T	27 24.472	-0.0034	13	-31 47 0.48	-0.024	12	0.65	24.640	18	00.6	-59.24	18	99.0	K0	GC	17034	C -31 9727		
35	10.0	8.7W	27 25.637	-0.0001	21	-34 31 29.34	-0.062	21	0.43	25.639	22	32.4	28.24	21	32.4	K5	C7	6263	C -34 8203		
36	9.4	9.3W	27 25.721	-0.0036	21	-30 15 23.62	0.054	21	0.43	25.785	22	32.4	24.57	21	32.4	A5	C7	6264	C -29 9772		
37	9.1	7.7W	27 27.083	-0.0008	21	-33 3 6.81	-0.016	21	0.43	27.098	22	32.4	6.52	21	32.4	K2	C7	6265	C -32 8743		
38	10.0	9.3W	27 31.192	-0.0018	21	-30 22 35.45	0.041	21	0.43	31.225	22	32.4	36.17	21	32.4	K0	C7	6266	C -29 9773		
39	9.6	9.4W	27 32.055	-0.0005	21	-30 16 34.57	-0.011	21	0.43	32.064	22	32.4	34.37	21	32.4	K5	C7	6267	C -29 9774		
40	10.0	9.9W	27 38.554	-0.0002	21	-33 28 45.73	0.011	21	0.43	38.558	22	32.4	45.92	21	32.4	A0 L	C7	6268	C -33 8450		
41	8.9	8.7W	27 47.084	-0.0026	13	-39 59 30.60	-0.017	13	0.26	47.123	15	35.4	30.35	21	35.4	A2	C8	5913	C -39 7658		
42	10.0	8.5W	27 57.911	0.0014	13	-35 57 49.29	-0.023	13	0.26	57.890	15	35.4	48.95	21	35.4	K5	C8	5915	C -35 7998		
43	9.2	9.0W	27 59.715	-0.0037	10	-39 23 58.47	-0.056	10	0.23	59.661	15	35.4	57.65	21	35.4	F5	C8	5916	C -38 7778		
44	10.3		28 0.394	-0.0162	21	-34 51 20.67	-0.135	21	0.43	0.679	22	32.4	23.04	21	32.4	A8 L	C7	6269	C -34 8216		
45	10.2	9.9W	28 4.066	-0.0127	13	-37 19 7.29	-0.037	13	0.26	4.251	15	35.4	6.75	21	35.4	G0 L	C8	5917	C -36 7896		
46	10.3	10.0W	28 8.186	0.0017	21	-31 24 4.61	-0.041	21	0.43	8.156	22	32.4	3.89	21	32.4	G0 L	C7	6270	C -30 9953		
47	9.3	8.9W	28 9.587	0.0022	21	-34 15 30.62	-0.130	21	0.43	9.549	22	32.4	28.33	21	32.4	G5	C7	6271	C -33 8456		
48		7.5T	28 16.451	-0.0013	15	-30 24 3.86	0.004	12	0.71	16.515	17	01.4	4.08	18	98.1	A3	GC	17051K	C* -29 9782		
49	9.6	9.4W	28 25.137	-0.0003	13	-36 30 25.26	-0.021	13	0.26	25.145	15	35.4	24.95	21	35.4	F8	C8	5918	C -36 7902		
50			28 27.495	-0.0024	18	-35 37 30.49	-0.037	18	0.32	27.530	15	35.4	29.95	21	35.4	K0 L	C8	5919	C -35 8000		
51		7.8T	12 28 29.329	-0.0039	14	-31 21 34.31	-0.018	12	0.71	29.523	21	00.3	33.37	19	97.4	A3	GC	17054	C -30 9957		
52	10.4	10.2W	28 30.589	0.0035	21	-31 41 6.54	0.015	21	0.43	30.526	22	32.4	6.81	21	32.4	F8 L	C7	6274	C -31 9738		
53	9.8	9.5W	28 41.835	-0.0046	21	-30 42 39.94	0.031	21	0.43	41.916	22	32.4	40.49	21	32.4		C7	6275	C -30 9959		
54	8.4	8.6W	28 48.250	-0.0029	13	-39 59 54.33	-0.005	13	0.26	48.292	15	35.4	54.25	21	35.4	A5	C8	5920	C -39 7667		
55	10.1	8.8W	28 48.548	-0.0023	13	-37 2 48.84	-0.047	13	0.26	48.581	15	35.4	48.15	21	35.4	K5	C8	5921	C -36 7907		
56	8.3	8.2W	28 55.647	-0.0017	21	-33 23 38.46	-0.008	21	0.43	55.678	22	32.4	38.32	21	32.4	A2	C7	6276	C -32 8761		
57		6.9T	28 59.198	0.0068	12	-30 42 21.08	-0.008	12	0.65	58.855	15	99.5	20.66	18	97.6	K0	GC	17067	C* -30 9961		
58	10.4		29 1.190	-0.0041	13	-35 36 57.13	-0.026	13	0.26	1.250	15	35.4	56.75	21	35.4	F2 L	C8	5922	C -35 8008		
59	9.5	8.7W	29 8.948	-0.0039	05	-37 2 23.55	-0.027	05	0.20	8.891	15	35.4	23.15	21	35.4	K2	C8	5923	C -36 7910		
60	8.9	8.2W	29 9.685	-0.0024	21	-31 36 29.14	0.021	21	0.43	9.726	22	32.4	29.51	21	32.4	K0	C7	6278	C -31 9743		
61	10.5	9.8W	29 10.835	-0.0025	13	-37 13 58.50	-0.010	13	0.26	10.871	15	35.4	58.35	21	35.4	G8 L	C8	5924	C -36 7911		
62	9.4	9.6W	29 11.847	-0.0003	18	-38 57 22.32	-0.032	18	0.32	11.851	15	35.4	21.85	21	35.4	A0	C8	5925	C -38 7793		
63	9.6	8.2W	29 17.030	-0.0004	21	-32 23 48.42	-0.012	21	0.43	17.036	22	32.4	48.21	21	32.4	K5	C7	6279	C -31 9744		
64	9.3	9.5W	29 17.153	-0.0011	13	-35 22 28.30	-0.051	13	0.26	17.169	15	35.4	27.55	21	35.4	A0	C8	5927	C -34 8235		
65	10.2	9.8W	29 18.334	0.0003	08	-35 16 49.12	0.112	08	0.22	18.329	15	35.4	50.75	21	35.4	K1 L	C8	5928	C -34 8236		
66	9.3	9.2W	29 24.292	-0.0002	21	-30 39 2.98	0.000	21	0.42	24.296	22	32.9	2.99	21	32.9	A5	C7	6280	C -30 9965		
67		6.6T	29 25.083	-0.0013	13	-32 15 27.36	-0.012	12	0.69	25.149	18	99.1	26.72	18	97.4	A3	GC	17085	C -31 9746		
68		9.8Y	29 26.957	-0.0071	21	-34 0 57.84	-0.006	21	0.42	27.079	22	32.9	57.73	21	32.9		C7	6282	C -33 8469		
69	9.8	9.4W	29 45.065	-0.0032	13	-37 0 5.22	-0.032	13	0.26	45.111	15	35.4	4.75	21	35.4	G5	C8	5929	C -36 7918		
70	10.1	9.7W	29 45.787	-0.0118	21	-33 18 12.22	-0.076	21	0.42	45.988	22	32.9	10.92	21	32.9	G5	C7	6283	C -32 8773		
71	9.1	9.0W	29 53.103	-0.0014	21	-32 54 42.98	-0.015	21	0.42	53.128	22	32.9	42.72	21	32.9	A3	C7	6284	C -32 8775		
72	10.7	9.6W	29 53.152	0.0008	13	-35 59 33.36	-0.021	13	0.26	53.140	15	35.4	33.05	21	35.4	K0 L	C8	5932	C -35 8019		
73	9.7	8.9W	29 54.303	0.0010	21	-31 0 51.17	-0.011	21	0.42	54.286	22	32.9	50.99	21	32.9	K2	C7	6285	C -30 9973		
74		7.4T	29 55.668	-0.0022	12	-32 11 18.53	-0.010	12	0.61	55.776	15	00.8	18.04	15	01.8	A0	GC	17092	C -31 9757		
75	9.3	7.7W	30 5.476	0.0004	18	-37 48 2.06	-0.002	18	0.32	5.470	15	35.4	2.02	21	35.4	K5	C8	5934	C -37 7939		
76	9.7	8.9W	30 7.814	-0.0017	13	-35 12 21.48	0.002	13	0.26	7.839	15	35.4	21.52	21	35.4	K0	C8	5935	C -34 8243		
77	9.4	9.2W	30 14.476	-0.0002	21	-32 54 2.61	-0.024	21	0.42	14.478	22	32.9	2.19	21	32.9	A3	C7	6287	C -32 8776		
78	10.4	10.0W	30 22.850	-0.0007	13	-37 11 44.21	-0.027	13	0.26	22.860	15	35.4	43.82	21	35.4		C8	5936	C -36 7924		
79	9.2	8.5W	30 24.319	-0.0045	21	-31 22 10.35	-0.058	21	0.42	24.396	22	32.9	9.36	21	32.9	K0	C7	6288	C -30 9980		
80	10.5	8.8W	30 24.992	0.0015	13	-37 22 17.04	-0.050	13	0.26	24.970	15	35.4	16.32	21	35.4	K2 L	C8	5937	C -36 7925		
81	9.9	8.3W	30 41.836	-0.0007	21	-34 23 15.01	-0.007	21	0.42	41.849	22	32.9	14.90	21	32.9	M8	C7	6289	C -33 8483		
82	9.9	9.4W	30 43.556	0.0011	21	-32 28 26.14	-0.027	21	0.42	43.537	22	32.9	25.68	21	32.9	G0 L	C7	6290	C -32 8779		
83	9.5	8.6W	30 49.848	0.0018	21	-32 10 40.05	0.002	21	0.42	49.817	22	32.9	40.08	21	32.9	K0	C7	6291	C -31 9766		
84		10.1W	30 53.301	-0.0040	21	-34 57 4.96	-0.050	21	0.42	53.370	22	32.9	4.11	21	32.9		C7	6292	C -34 8252		
85	10.5	9.3W	30 55.793	0.0023	13	-35 47 39.67	-0.031	13	0.26	55.759	15	35.4	39.22	21	35.4	K2 L	C8	5939	C -35 8036		
86	9.3	8.3W	30 57.195	0.0038	13	-36 6 18.17	-0.079	13	0.26	57.139	15	35.4	17.02	21	35.4	K2	C8	5940	C -35 8037		
87	8.8	8.6W	30 59.357	-0.0005	21	-31 24 38.77	-0.024	21	0.42	59.366	22	32.9	38.36	21	32.9	F2	C7	6293	C -30 9987		
88	10.0	8.5W	31 3.454	-0.0009	21	-32 59 38.60	0.006	21	0.42	3.468	22	32.9	38.69	21	32.9	K5	C7	6294	C -32 8781		
89	10.7	9.5W	31 19.480	0.0014	13	-36 4 49.86	0.038	13	0.26	19.459	15	35.4	50.42	21	35.4	K2 L	C8	5943	C -35 8039		
90	8.7	8.1W	31 25.765	0.0005	21	-32 12 46.45	-0.039	21	0.42	25.757	22	32.9	45.78	21	32.9	G5	C7	6295	C -31 9772		
91	9.8	8.5W	31 26.003	-0.0005	18	-38 22 51.01	-0.034	18	0.32	26.010	15	35.4	50.52	21	35.4	K5	C8	5944	C -37 7958		
92	10.2	8.9W	31 26.965	-0.0037	13	-36 5 5.93	0.047	13	0.26	27.019	15	35.4	6.62	21	35.4	K2 L	C8	5945	C -35 8042		
93	9.9	9.6W	31 28.910	-0.0049	21	-30 28 50.02	-0.046	21	0.42	28.995	22	32.9	49.24	21	32.9	F8	C7	6296	C -30 9990		
94	9.9	9.0W	31 29.148	0.0006	21	-34 27 34.15	0.015	21	0.42	29.139	22	32.9	34.40	21	32.9	K2	C7	6297	C -34 8259		
95	10.2	9.9W	31 29.344	0.0003	21	-32 45 18.63	-0.031	21	0.42	29.338	22	32.9	18.09	21	32.9	A2 L	C7	6298	C -32 8784		
96		7.0T	31 32.397	-0.0060	15	-31 49 2.80	0.002	13	0.71	32.687	15	01.8	2.92	18	99.6	A5	GC	17130K	C -31 9775		
97			31 33.425	-0.0079	18	-36 36 10.61	-0.019	18	0.32	33.540	15	35.4	10.32	21	35.4	F2 L	C8	5946	C -36 7932		
98	10.5	9.4W	31 40.110	-0.0049	10	-38 35 35.24	-0.002	10	0.23	40.181	15	35.4	35.22	21	35.4	K1 L	C8	5947	C -38 7818		
99	10.4	10.0W	31 46.835	-0.0043	21	-34 2 32.17	-0.069	21	0.42	46.909	22	32.9	31.00	21	32.9	G2 L	C7	6300	C -33 8495		
00	10.4	9.9W	31 48.388	-0.0118	18	-38 11 10.29	-0.012	18	0.32	48.560	15	35.4	10.12	21	35.4	F8 L	C8	5949	C -37 7964		

203600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.4	8.8W	12 32 4.012	-0.0114	21	-31 35 53.09	-0.182	21	0.42	4.206	22	32.9	49.98	21	32.9	G5		C7	6301	C -31 9777
2	10.9	9.6W	32 4.606	-0.0016	13	-35 46 6.22	-0.028	13	0.26	4.629	15	35.4	5.82	21	35.4			C8	5951	C -35 8055
3	10.2	9.4W	32 5.375	-0.0008	21	-34 30 2.32	-0.065	21	0.42	5.390	22	32.9	1.21	21	32.9	K0	L	C7	6302	C -34 8268
4	9.9	8.3W	32 9.945	0.0031	13	-36 14 14.50	0.001	13	0.26	9.899	15	35.4	14.52	21	35.4	K5		C8	5952	C -35 8057
5	9.5	8.3W	32 12.394	0.0009	21	-33 35 18.41	-0.030	21	0.42	12.379	22	32.9	17.90	21	32.9	K2		C7	6303	C -33 8498
6	9.9	9.0W	32 13.391	-0.0044	21	-31 8 24.22	-0.015	21	0.42	13.466	22	32.9	23.96	21	32.9	K0		C7	6304	C -30 9995
7	10.0	9.5W	32 13.618	-0.0082	21	-35 0 24.55	-0.010	21	0.42	13.758	22	32.9	24.71	21	32.9	K0	L	C7	6305	C -34 8271
8	9.8	9.5W	32 14.030	-0.0017	21	-33 27 37.54	-0.043	21	0.42	14.058	22	32.9	36.79	21	32.9	G5		C7	6306	C -33 8499
9	9.0	9.0W	32 14.100	-0.0056	08	-38 33 22.21	-0.034	08	0.22	14.181	15	35.4	21.72	21	35.4	A0		C8	5953	C -38 7825
10		10.0W	32 16.401	-0.0021	21	-32 14 18.70	0.005	21	0.42	16.437	22	32.9	18.78	21	32.9			C7	6307	C -31 9778
11	10.4	9.4W	32 23.267	0.0004	21	-34 2 43.27	-0.016	21	0.42	23.259	22	32.9	43.00	21	32.9	K2	L	C7	6308	C -33 8500
12	10.5	9.3W	32 24.950	-0.0046	21	-32 59 26.50	-0.029	21	0.42	25.028	22	32.9	25.99	21	32.9	K2	L	C7	6309	C -32 8793
13		8.7R	32 48.574	-0.0014	20	-30 1 59.42	0.008	20	0.36	48.598	16	33.4	59.55	16	33.4	K2	J	13B	8103	J -29 9817
14	8.7	7.8W	32 53.862	-0.0174	21	-34 36 15.70	-0.076	21	0.42	54.160	22	32.9	14.41	21	32.9	K0		C7	6311	C -34 8280
15	9.0	8.6W	32 57.073	0.0023	08	-35 33 0.59	-0.074	08	0.22	57.039	15	35.4	59.52	21	35.4	F5		C8	5955	C -35 8066
16	10.5	9.7W	33 1.640	-0.0103	07	-38 25 55.73	0.019	07	0.21	1.790	15	35.4	56.02	21	35.4	K0	L	C8	5956	C -38 7840
17	9.9	10.0W	33 4.679	0.0013	13	-36 31 31.41	-0.041	13	0.26	4.660	15	35.4	30.82	21	35.4	F8		C8	5958	C -36 7948
18	10.2	9.3W	33 12.966	-0.0051	09	-37 3 51.03	-0.159	09	0.22	13.040	15	35.4	48.72	21	35.4	K2	L	C8	5959	C -36 7949
19	9.2	8.9W	33 13.329	0.0006	21	-34 56 20.83	-0.095	21	0.42	13.320	22	32.9	19.21	21	32.9	G5		C7	6312	C -34 8284
20	10.7	9.3W	33 16.547	-0.0013	21	-32 53 2.72	0.028	21	0.42	16.568	22	32.9	3.19	21	32.9	K0	L	C7	6313	C -32 8802
21		5.9T	33 19.217	-0.0032	12	-39 35 38.87	-0.041	12	0.64	19.381	17	98.9	36.69	18	96.9	A0		GC	17164K	C -39 7717
22	8.9	8.9W	33 25.614	0.0010	13	-35 32 58.44	-0.063	13	0.26	25.600	15	35.4	57.52	21	35.4	A5		C8	5961	C -35 8072
23	9.7	9.6W	33 27.686	-0.0002	21	-33 2 53.66	-0.015	21	0.42	27.689	22	32.9	53.39	21	32.9	F8		C7	6315	C -32 8805
24	9.5	7.9W	33 27.874	-0.0032	21	-33 28 15.21	-0.036	21	0.42	27.928	22	32.9	14.59	21	32.9	K5		C7	6316	C -33 8511
25	10.3	8.7W	33 28.013	-0.0002	21	-31 41 19.10	0.005	21	0.42	28.017	22	32.9	19.18	21	32.9	MB		C7	6317	C -31 9787
26	8.9	8.5W	33 29.540	-0.0216	21	-32 39 42.07	-0.127	21	0.42	29.908	22	32.9	39.89	21	32.9	G0		C7	6318	C -32 8806
27	9.9	9.7W	33 34.112	0.0007	21	-33 54 6.67	-0.034	21	0.42	34.099	22	32.9	6.10	21	32.9	A3		C7	6319	C -33 8513
28	9.8	9.3W	33 42.179	0.0029	21	-33 24 16.02	-0.077	21	0.42	42.128	22	32.9	14.69	21	32.9	G5		C7	6320	C -33 8516
29		6.8T	33 56.072	-0.0028	14	-39 3 3.63	-0.001	10	0.63	56.203	18	03.1	3.58	19	98.2	K0		GC	17175	C*-38 7854
30	10.0	9.7W	34 8.396	-0.0003	18	-37 21 51.53	-0.007	18	0.32	8.400	15	35.4	51.42	21	35.4	F8	L	C8	5964	C -36 7960
31	9.5	9.8W	34 9.489	0.0006	21	-33 7 48.71	-0.012	21	0.42	9.478	22	32.9	48.49	21	32.9	B8		C7	6321	C -32 8814
32	8.7	7.5W	34 11.444	0.0031	06	-35 9 16.88	-0.005	06	0.20	11.399	15	35.4	16.82	21	35.4	K2		C8	5965	C -34 8291
33		7.9T	34 13.235	0.0019	12	-31 54 1.89	-0.015	11	0.61	13.138	17	98.4	1.10	17	96.4	K2		GC	17181	C -31 9797
34	11.0		34 16.911	-0.0028	21	-32 42 17.05	-0.038	21	0.42	16.958	22	32.9	16.40	21	32.9			C7	6324	C -32 8815
35	9.5	9.2W	34 28.213	-0.0062	21	-34 46 28.59	-0.011	21	0.42	28.320	22	32.9	28.41	21	32.9	F5	L	C7	6325	C -34 8296
36	10.7	9.6W	34 31.343	-0.0025	21	-30 14 35.55	0.040	21	0.42	31.385	22	32.9	36.24	21	32.9	K5		C7	6326	C -29 9833
37	10.2	9.8W	34 32.198	-0.0050	08	-37 22 55.93	-0.097	08	0.22	32.270	15	35.4	54.52	21	35.4	G0	L	C8	5967	C -36 7964
38	9.5	9.2W	34 32.389	0.0076	21	-34 42 19.18	0.019	21	0.42	32.260	22	32.9	19.51	21	32.9	F5		C7	6327	C -34 8297
39		7.9T	34 33.902	0.0033	20	-34 49 34.14	-0.007	16	0.86	33.751	19	03.8	33.81	19	02.2	A2		GC	17186	C -34 8298
40	11.0	10.2W	34 33.988	0.0054	21	-30 28 26.55	0.005	21	0.42	33.895	22	32.9	26.64	21	32.9	G0	L	C7	6329	C -3010012
41	9.2	8.2W	34 44.960	-0.0009	21	-31 15 44.90	0.033	21	0.42	44.976	22	32.9	45.46	21	32.9	K2		C7	6330	C -3010016
42	11.1		34 49.287	-0.0001	21	-32 47 18.38	0.013	21	0.42	49.288	22	32.9	18.60	21	32.9			C7	6331	C -32 8819
43	9.5	9.2W	34 53.378	-0.0062	21	-30 17 38.65	0.028	21	0.42	53.485	22	32.9	39.14	21	32.9	F8		C7	6332	C -29 9834
44	10.2	10.0W	34 59.218	-0.0017	21	-32 29 31.16	-0.040	21	0.42	59.247	22	32.9	30.48	21	32.9	A		C7	6333	C -32 8821
45	10.3	9.2W	35 5.524	-0.0046	10	-38 36 13.25	-0.016	10	0.23	5.591	15	35.4	13.02	21	35.4	K0	L	C8	5970	C -38 7866
46	10.5	10.0W	35 10.414	-0.0037	13	-35 24 24.75	-0.057	13	0.26	10.469	15	35.4	23.92	21	35.4	G5	L	C8	5971	C -34 8305
47	8.9	8.5W	35 11.047	-0.0023	21	-32 10 35.83	-0.061	21	0.42	11.087	22	32.9	34.78	21	32.9	G0		C7	6334	C -31 9802
48	10.7	10.0W	35 16.042	-0.0012	13	-35 33 7.08	0.010	13	0.26	16.059	15	35.4	7.22	21	35.4	K0		C8	5972	C -35 8088
49	9.8	8.7W	35 23.233	-0.0005	18	-37 56 15.54	-0.009	18	0.32	23.240	15	35.4	15.42	21	35.4	K0		C8	5973	C -37 8011
50	10.7	9.5W	35 24.229	-0.0000	13	-35 20 50.51	-0.027	13	0.26	24.229	15	35.4	50.12	21	35.4	K5	L	C8	5974	C -34 8309
51	10.9	10.2W	12 35 32.302	-0.0092	21	-34 33 38.31	-0.035	21	0.42	32.460	22	32.9	37.71	21	32.9	G2	L	C7	6335	C -34 8311
52	10.9	9.3W	35 37.720	-0.0006	21	-33 48 17.73	-0.007	21	0.42	37.729	22	32.9	17.60	21	32.9	K	L	C7	6336	C -33 8529
53	10.0	8.7W	35 37.775	-0.0006	21	-30 28 56.75	0.046	21	0.42	37.785	22	32.9	57.54	21	32.9	K5		C7	6337	C -3010027
54	9.6	9.6W	35 37.967	-0.0029	21	-32 13 21.97	-0.017	21	0.42	38.017	22	32.9	21.68	21	32.9	F2		C7	6338	C -31 9806
55			35 38.462	-0.0032	13	-35 29 59.41	0.007	13	0.26	38.509	15	35.4	59.52	21	35.4	G8	L	C8	5975X	C -35 8092
56		7.4T	35 43.422	0.0007	12	-38 31 21.44	-0.028	12	0.63	43.388	18	01.1	20.03	19	99.7	K0		GC	17206	C -38 7876
57	8.6	7.7W	35 58.236	-0.0107	21	-34 53 20.77	-0.020	21	0.42	58.420	22	32.9	21.11	21	32.9	K2		C7	6340	C -34 8318
58		7.5T	35 58.698	-0.0072	18	-39 7 3.54	-0.005	13	0.77	59.020	24	05.3	3.30	24	02.7	K0		GC	17213	C -38 7879
59	8.5	7.6W	35 59.817	-0.0002	13	-36 27 21.42	-0.035	13	0.26	59.820	15	35.4	20.92	21	35.4	K0		C8	5978	C -36 7981
60	9.6	9.4W	36 6.763	-0.0074	13	-37 54 8.34	-0.043	13	0.26	6.870	15	35.4	7.72	21	35.4	F5		C8	5979	C -37 8023
61	9.9	8.7W	36 10.430	-0.0043	13	-39 58 53.05	-0.016	13	0.26	10.492	15	35.4	52.82	21	35.4	K0		C8	5980	C -39 7738
62	9.6	8.5W	36 11.419	-0.0036	13	-39 22 53.61	0.041	13	0.26	11.471	15	35.4	54.22	21	35.4	K2		C8	5981	C -38 7884
63	9.6	8.5W	36 12.612	-0.0027	10	-39 13 54.19	-0.019	10	0.23	12.651	15	35.4	53.92	21	35.4	K2		C8	5982	C -38 7885
64	10.8	9.6W	36 13.810	-0.0052	21	-34 35 14.50	-0.023	21	0.42	13.900	22	32.9	14.11	21	32.9	K5	L	C7	6341	C -34 8320
65	10.1	9.2W	36 14.239	0.0017	21	-33 52 36.93	-0.014	21	0.42	14.209	22	32.9	36.70	21	32.9	K0		C7	6342	C -33 8540
66		6.0T	36 23.448	-0.0025	05	-30 8 51.45	-0.016	06	0.27	23.559	10	04.7	50.70	10	03.5	K0		GC	17223	C -29 9845
67	9.4	9.1W	36 28.453	-0.0003	21	-33 59 49.24	-0.044	21	0.42	28.459	22	32.9	48.50	21	32.9	G5		C7	6344	C -33 8542
68	10.6	9.5W	36 34.864	-0.0032	21	-32 45 27.11	-0.000	21	0.42	34.918	22	32.9	27.10	21	32.9	K	L	C7	6345	C -32 8839
69	9.6	8.9W	36 35.145	-0.0048	21	-32 27 2.24	-0.091	21	0.42	35.227	22	32.9	0.68	21	32.9	K0		C7	6346	C -32 8840
70	9.8	9.6W	36 39.673	0.0004	21	-30 30 58.12	0.014	21	0.42	39.666	22	32.9	58.36	21	32.9	F8		C7	6347	C*-3010041
71	9.9	9.1W	36 44.557	-0.0036	21	-33 32 23.44	-0.002	21	0.42	44.619	22	32.9	23.40	21	32.9	K2		C7	6348	C -33 8543
72	10.5	10.0W	36 45.569	-0.0063	21	-32 12 1.78	0.006	21	0.42	45.677	22	32.9	1.88	21	32.9	K0	L	C7	6349	C -31 9820
73	10.4		36 46.161	-0.0040	13	-35 44 41.19	-0.053	13	0.26	46.219	15	35.4	40.42	21	35.4	F5	L	C8	5986	C -35 8106
74	10.3	10.0W	36 50.192	0.0002	13	-36 15 4.54	-0.029	13	0.26	50.189	15	35.4	4.12	21	35.4	F8	L	C8	5987	C -35 8107
75	9.8	8.9W	36 57.911	-0.0198	13	-37 0 31.16	-0.277	13	0.26	58.200	15	35.4	27.12	21	35.4	K5		C8	5989	C -36 7990
76	10.3	8.7W	36 58.252	-0.0013	10	-38 58 29.81	-0.027	10	0.23	58.271	15	35.4	29.42	21	35.4	K5		C8	5990	C -38 7894
77	10.1	10.1W	36 58.963	-0.0025	21	-30 26 35.09	0.061	21	0.42	59.005	22	32.9	36.14	21	32.9	A3		C7	6350	C -3010045
78	10.2		37 0.337	-0.0030	18	-36 41 19.73	-0.007	18	0.32	0.380	15	35.4	19.62	21	35.4	F5	L	C8	5991	C -36 7991
79	10.8		37 2.840	-0.0093	21	-33 5 48.46	0.026	21	0.42	2.998	22	32.9	48.90	21	32.9	G5	L	C7	6351	C -32 8843
80	10.1	9.9W	37 8.942	0.0001	21	-34 6 1.65	-0.062	21	0.42	8.939	22	32.9	0.60	21	32.9	K0		C7	6352	C -33 8549
81		4.8T	37 9.597	-0.0044	06	-39 42 44.92	-0.035	04	0.27	9.791	10	06.0	43.15	10	99.4	B8P		GC	17236	C*-39 7748
82	10.6	9.8W	37 10.715	0.0004	21	-34 23 2.00	-0.058	21	0.42	10.709	22	32.9	1.00	21	32.9	K0	L	C7	6353	C -33 8550
83	10.4	9.4W	37 17.679	-0.0001	13	-37 0 54.20	-0.061	13	0.26	17.680	15	35.4	53.32	21	35.4	G8	L	C8	5993	C -36 7995
84		9.8W	37 23.273	0.0010	13	-35 18 25.11	-0.048	13	0.26	23.259	15	35.4	24.42	21	35.4	G0	L	C8	5995	C -34 8333
85	9.5	7.8W	37 25.157	-0.0030	09	-39 11 15.21	-0.019	09	0.22	25.201	15	35.4	14.92	21	35.4	K5		C8	5997	C -38 7903
86	9.5	9.2W	37 30.084	-0.0009	21	-33 0 1.88	-0.034	21	0.42	30.098	22	32.9	1.29	21	32.9	A3		C7	6354	C -32 8848
87	10.7		37 30.650	-0.0064	21	-32 53 51.36	-0.108	21	0.42	30.758	22	32.9	53.20	21	32.9			C7	6355	C -32 8849
88		7.5T	37 33.700	-0.0016	11	-37 34 57.31	-0.018	11	0.57	33.781	15	99.0	56.37	18	97.7	A2		GC	17241	C*-37 8042
89	10.8		37 37.983	0.0011	21	-30 21 32.52	0.036	21	0.42	37.965	22	32.9	33.14	21	32.9	G2	L	C7	6356	C -29 9854
90	10.0	9.8W	37 39.061	-0.0021	18	-38 45 41.59	-0.019	18	0.32	39.091	15	35.4	41.32	21	35.4	F2	L	C8	5999	C -38 7906
91		9.4Y	37 40.635	-0.0061	21	-32 30 55.14	-0.002	21	0.42	40.738	22	32.9	55.10	21	32.9	G0	L	C7	6357	C -32 8854
92	10.5		37 42.984	-0.0161	13	-36 13 1.67	-0.011	13	0.26	43.219	15	35.4	1.52	21	35.4	F5	L	C8	6000	C*-35 8116
93	8.7	8.9W	37 45.929	-0.0011	21	-33 48 12.87	0.007	21	0.42	45.949	22	32.9	13.00	21	32.9	A0		C7	6358	C -33 8553
94	9.8	9.4W	37 49.102	0.0036	13	-36 13 52.04	-0.002	13	0.26	49.049	15	35.4	52.02	21	35.4	F5		C8	6001	C -35 8117
			37 55.707	-0.0022	13	-36 16 46.55	-0.023	13	0.26	55.739	15	35.4	46.22	21	35.4	G0	L	C8	6002	C -35 5454
96	10.9	10.1W	37 57.226	-0.0017	13	-37 17 1.10	0.008	13	0.26	57.250	15	35.4	1.22	21	35.4	K0	L	C8	6003	C -36 8002
97	10.1	8.7W	37 58.200	-0.0001	09	-38 30 20.86	-0.002	09	0.22	58.201	15	35.4	20.82	21	35.4	K5		C8	6004	C -38 7908
98	9.9	9.3W	38 0.892	0.0060	21	-32 35 24.87	-0.127	21	0.42	0.788	22	32.9	22.69	21	32.9	K0		C7	6359	C -32 8857
99	9.7	9.7W	38 1.032	0.0015	21	-32 23 33.89	0.011	21	0.42	1.007	22	32.9	34.08	21	32.9	A0		C7	6360	C -31 9827
00	10.4	10.1W	38 2.186	-0.0018	21	-32 1 58.86	0.007	21	0.42	2.217	22	32.9	58.98	21	32.9	G0	L	C7	6361	C -31 9828

203700

-30° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	$\sigma_{\delta 1950}$ ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		10.2W	12 38 5.286	-0.0119	21	-33 5 52.68	0.001	21	0.42	5.488	22	32.9	52.69	21	32.9	G0 L	C7	6362	C -32 8858
2	10.2	9.9W	38 11.226	-0.0030	13	-36 23 43.43	-0.022	13	0.26	11.269	15	35.4	43.12	21	35.4	G8 L	C8	6005	C -35 8121
3	10.7		38 13.903	-0.0045	21	-34 17 25.01	-0.007	21	0.42	13.979	22	32.9	24.90	21	32.9	A0 L	C7	6363	C -33 8559
4	9.8	9.4W	38 16.715	-0.0031	13	-36 36 27.40	-0.053	13	0.26	16.760	15	35.4	26.62	21	35.4	F2	C8	6006	C -36 8006
5	8.7	7.8W	38 19.433	-0.0113	21	-31 27 46.41	-0.032	21	0.42	19.626	22	32.9	45.86	21	32.9	K2	C7	6364	C -31 9830
6	11.0	9.4W	38 20.309	-0.0042	13	-37 15 45.04	-0.043	13	0.26	20.370	15	35.4	44.42	21	35.4	K2 L	C8	6007	C -36 8007
7	10.2	9.3W	38 20.824	-0.0044	21	-34 41 23.18	-0.022	21	0.42	20.900	22	32.9	22.81	21	32.9	K5	C7	6365	C -34 8343
8	9.2	8.9W	38 27.129	0.0019	09	-38 44 2.04	0.005	09	0.22	27.101	15	35.4	2.12	21	35.4	F5	C8	6008	C -38 7912
9	10.0	9.7W	38 31.362	-0.0047	13	-37 8 42.65	-0.016	13	0.26	31.430	15	35.4	42.42	21	35.4	F0	C8	6009	C -36 8009
10	10.4	10.2W	38 34.317	0.0019	13	-35 56 18.65	-0.016	13	0.26	34.289	15	35.4	18.42	21	35.4	F0 L	C8	6010	C -35 8126
11	8.8	8.6W	38 36.751	0.0013	21	-33 10 12.57	-0.027	21	0.42	36.728	22	32.9	12.10	21	32.9	F5	C7	6366	C -32 8862
12	9.9	9.9W	38 50.996	-0.0084	13	-35 14 49.46	0.017	13	0.26	51.119	15	35.4	49.72	21	35.4	F0	C8	6011	C -34 8349
13		9.5Y	38 52.174	-0.0054	21	-32 13 53.81	0.016	21	0.42	52.266	22	32.9	54.08	21	32.9		C7	6367	C -31 9834
14	10.5	10.2W	38 57.045	-0.0003	18	-36 14 10.92	-0.028	18	0.32	57.049	15	35.4	10.52	21	35.4	F5 L	C8	6012	C -35 8127
15	9.7	8.0W	38 57.830	0.0020	13	-39 27 29.27	0.003	13	0.26	57.801	15	35.4	29.32	21	35.4	K5	C8	6013	C -39 7767
16	10.3	9.7W	39 3.222	0.0014	30	-39 12 44.58	-0.032	30	0.47	3.201	15	35.4	44.12	21	35.4	K0 L	C8	6014	C -38 7918
17	10.7	10.0W	39 3.611	-0.0003	21	-31 19 14.10	0.039	21	0.42	3.616	22	32.9	14.77	21	32.9	K0 L	C7	6368	C -3010061
18	9.3	9.3W	39 4.180	-0.0014	08	-37 36 46.42	0.013	08	0.22	4.200	15	35.4	46.62	21	35.4	A0	C8	6015	C -37 8055
19	10.0	8.9W	39 8.793	0.0002	13	-37 24 33.36	-0.044	13	0.26	8.790	15	35.4	32.72	21	35.4	K2	C8	6016	C -36 8016
20	10.2	9.0W	39 13.959	0.0013	21	-32 10 45.56	-0.022	21	0.42	13.936	22	32.9	45.18	21	32.9	K5	C7	6369	C -31 9840
21	9.2	9.1W	39 16.811	-0.0028	21	-33 13 54.27	0.002	21	0.42	16.858	22	32.9	54.29	21	32.9	A2	C7	6370	C -32 8872
22		8.7Y	39 19.422	0.0023	20	-37 40 9.54	0.025	20	0.92	19.316	19	04.2	10.67	24	04.9	K5	GC	17275	C -37 8057
23	10.9	9.9W	39 22.701	-0.0009	21	-31 34 57.58	-0.064	21	0.42	22.716	22	32.9	56.48	21	32.9	K0 L	C7	6371	C -31 9844
24	11.0	10.2W	39 27.707	0.0004	21	-34 26 19.53	-0.055	21	0.42	27.699	22	32.9	18.60	21	32.9	G5 L	C7	6372	C -34 8357
25	9.5	8.7W	39 28.208	-0.0052	21	-31 32 41.38	-0.023	21	0.42	28.296	22	32.9	40.98	21	32.9	F8	C7	6373	C -31 9846
26	9.0	8.4W	39 36.151	-0.0035	10	-39 39 41.18	-0.094	10	0.23	36.202	15	35.4	39.82	21	35.4	G5	C8	6019	C -39 7777
27	9.9	8.9W	39 37.174	-0.0060	09	-39 14 59.75	-0.009	09	0.22	37.261	15	35.4	59.62	21	35.4	K0	C8	6020	C -38 7926
28	10.5		39 37.412	-0.0045	21	-32 48 38.35	0.003	21	0.42	37.488	22	32.9	38.40	21	32.9	A L	C7	6374	C -32 8874
29	10.3	9.3W	39 38.669	0.0006	21	-34 49 15.67	-0.027	21	0.42	38.660	22	32.9	15.21	21	32.9	K5	C7	6375	C -34 8359
30	10.4	10.1W	39 42.768	-0.0024	21	-32 39 51.76	-0.015	21	0.42	42.828	22	32.9	51.49	21	32.9	G0 L	C7	6376	C#-32 8875
31		7.9T	39 49.310	-0.0077	09	-37 37 43.97	-0.005	08	0.39	49.639	14	07.2	43.76	14	07.1	F0	GC	17284	C -37 8063
32	10.2	9.1W	39 50.715	-0.0006	21	-31 26 7.50	0.021	21	0.42	50.726	22	32.9	7.86	21	32.9	K5	C7	6377	C -31 9849
33	10.1	9.9W	39 51.217	-0.0030	21	-33 44 51.66	0.002	21	0.42	51.269	22	32.9	51.70	21	32.9	F8	C7	6378	C -33 8574
34	10.4	9.9W	39 54.010	-0.0014	13	-36 36 5.79	-0.012	13	0.26	54.030	15	35.4	5.62	21	35.4	F8 L	C8	6022	C -36 8027
35	10.6	9.4W	39 57.486	-0.0024	21	-31 45 31.90	-0.013	21	0.42	57.526	22	32.9	31.68	21	32.9	K2 L	C7	6379	C -31 9853
36	10.8	10.2W	40 4.767	-0.0077	21	-34 27 11.92	0.174	21	0.42	4.899	22	32.9	14.90	21	32.9	G0 L	C7	6380	C -34 8363
37	10.9	9.4W	40 5.732	0.0001	21	-34 18 4.04	0.044	21	0.42	5.729	22	32.9	4.80	21	32.9	K5	C7	6381	C -33 8580
38	9.2	8.1W	40 6.695	-0.0018	21	-30 40 20.71	0.032	21	0.42	6.726	22	32.9	21.26	21	32.9	K2	C7	6382	C -3010070
39	9.6	9.5W	40 9.640	-0.0023	21	-34 34 52.17	-0.021	21	0.42	9.680	22	32.9	51.81	21	32.9	A5	C7	6383	C -34 8364
40	10.7		40 12.812	-0.0032	18	-35 25 49.20	0.001	18	0.32	12.859	15	35.4	49.22	21	35.4	F8 L	C8	6024	C -35 8140
41	9.6	8.5W	40 15.624	0.0009	21	-34 1 17.96	-0.039	21	0.42	15.609	22	32.9	17.30	21	32.9	K2	C7	6384	C -33 8581
42	9.7	8.3W	40 23.316	-0.0016	13	-36 11 16.67	-0.038	13	0.26	23.339	15	35.4	16.12	21	35.4	K5	C8	6025	C -35 8144
43	10.7	9.7W	40 28.423	-0.0002	21	-30 36 16.46	0.012	21	0.42	28.426	22	32.9	16.66	21	32.9	K2	C7	6385	C -3010071
44	10.0	8.2W	40 30.844	-0.0011	13	-35 44 14.63	-0.029	13	0.26	30.860	15	35.4	14.22	21	35.4	K5	C8	6026	C -35 8146
45	10.0	9.1W	40 32.792	-0.0004	21	-34 42 2.51	-0.047	21	0.42	32.800	22	32.9	1.71	21	32.9	K0	C7	6386	C -34 8372
46		6.5T	40 42.123	0.0021	08	-39 54 14.15	-0.019	07	0.34	42.038	14	09.4	13.31	14	05.7	A5	GC	17301	C -39 7785
47	9.8	9.6W	40 42.613	0.0050	13	-36 33 34.78	-0.018	13	0.26	42.540	15	35.4	34.52	21	35.4	A5	C8	6030	C -36 8037
48	9.6	9.2W	40 51.738	-0.0192	21	-31 6 41.50	-0.014	21	0.42	52.066	22	32.9	41.26	21	32.9	K0	C7	6387	C -3010073
49	7.9	7.8W	40 57.875	-0.0031	21	-35 8 25.34	-0.072	21	0.42	57.928	22	32.9	24.11	21	32.9	F0	C7	6388	C -34 8377
50		7.5T	41 2.149	-0.0528	08	-37 25 53.32	-0.209	07	0.34	4.376	12	07.8	44.27	10	06.7	G0	GC	17308	C#-37 8082
51	10.2	10.0W	12 41 4.731	-0.0004	21	-33 45 7.88	-0.046	21	0.42	4.739	22	32.9	7.10	21	32.9	F5	C7	6389	C -33 8592
52	9.0	8.6W	41 8.616	0.0030	13	-39 57 54.67	-0.011	13	0.26	8.572	15	35.4	54.52	21	35.4	F5	C8	6033	C -39 7794
53	10.8	10.5W	41 9.391	-0.0040	21	-34 33 51.84	-0.084	21	0.42	9.460	22	32.9	50.41	21	32.9		C7	6390	C -34 8379
54	10.2	9.5W	41 11.162	-0.0044	21	-31 46 30.11	-0.212	21	0.42	11.237	22	32.9	26.48	21	32.9	K0	C7	6391	C -31 9860
55		10.9W	41 11.657	-0.0013	21	-32 30 9.27	-0.033	21	0.42	11.678	22	32.9	8.70	21	32.9	G0 L	C7	6392	C -32 8888
56		6.4T	41 15.764	-0.0006	14	-36 4 31.20	0.001	11	0.66	15.791	17	01.6	31.25	19	96.7	A0	GC	17311	C -35 8155
57		8.3T	41 16.195	-0.0080	13	-34 50 51.44	-0.125	12	0.66	16.589	18	00.9	45.09	18	99.2	G5	GC	17313	C -34 8382
58	11.1	10.0W	41 28.460	-0.0040	13	-35 22 53.16	0.017	13	0.26	28.519	15	35.4	53.42	21	35.4	K0 L	C8	6036	C -34 8384
59	9.4	8.6W	41 31.562	-0.0074	09	-36 57 47.35	-0.085	09	0.22	31.670	15	35.4	46.12	21	35.4	K0	C8	6037	C -36 8050
60	9.6	9.2W	41 34.761	-0.0015	21	-32 7 54.41	-0.031	21	0.42	34.767	22	32.9	53.88	21	32.9	F8	C7	6394	C -31 9863
61	9.9	8.7W	41 41.718	0.0012	09	-38 22 53.27	-0.072	09	0.22	41.700	15	35.4	52.22	21	35.4	K5	C8	6038	C -37 8095
62	11.1	10.2W	41 43.332	-0.0027	21	-33 58 5.93	0.039	21	0.42	43.379	22	32.9	6.60	21	32.9	K0 L	C7	6395	C -33 8597
63	8.4	8.5W	41 47.529	-0.0007	13	-35 56 49.42	-0.055	13	0.26	47.540	15	35.4	48.62	21	35.4	A5	C8	6039	C -35 8161
64	9.5	9.2W	41 48.472	-0.0021	13	-39 51 17.34	-0.002	13	0.26	48.502	15	35.4	17.32	21	35.4	F5	C8	6040	C -39 7802
65	9.3	9.1W	41 49.087	-0.0016	13	-37 30 22.44	-0.036	13	0.26	49.110	15	35.4	21.92	21	35.4	F0	C8	6041	C -37 8096
66	10.7	9.6W	41 54.894	-0.0004	13	-35 58 27.58	-0.039	13	0.26	54.899	15	35.4	27.02	21	35.4	K1 L	C8	6042	C -35 8163
67	10.9	10.7W	41 55.341	0.0007	21	-32 32 15.69	-0.023	21	0.42	55.328	22	32.9	15.29	21	32.9	G0 L	C7	6396	C -32 8893
68	9.5	9.5W	41 58.422	-0.0043	21	-31 20 9.34	0.007	21	0.42	58.496	22	32.9	9.46	21	32.9	A2	C7	6397	C -3010091
69	10.1	9.6W	42 0.504	-0.0128	18	-37 51 14.09	0.015	18	0.32	0.690	15	35.4	14.32	21	35.4	F8 L	C8	6044	C -37 8099
70	10.7		42 29.060	-0.0028	21	-34 23 55.98	-0.011	21	0.42	29.129	22	32.9	55.80	21	32.9	G5 L	C7	6398	C -33 8603
71	10.8	9.4W	42 33.090	-0.0048	10	-37 36 44.31	-0.075	10	0.23	33.160	15	35.4	43.22	21	35.4	K1 L	C8	6046	C -37 8105
72	10.7	9.9W	42 35.158	-0.0024	21	-32 48 35.57	-0.033	21	0.42	35.198	22	32.9	34.99	21	32.9	K0 L	C7	6399	C -32 8902
73	10.9	10.3W	42 38.134	-0.0013	21	-30 40 30.30	0.021	21	0.42	38.156	22	32.9	30.66	21	32.9	G5 L	C7	6400	C -3010095
74	10.5	10.0W	42 41.914	-0.0018	13	-36 36 28.42	-0.021	13	0.26	41.940	15	35.4	28.12	21	35.4	G0	C8	6047	C -36 8067
75		10.4W	42 43.850	0.0001	21	-34 2 29.87	-0.016	21	0.42	43.849	22	32.9	29.60	21	32.9	G5 L	C7	6401	C -33 8605
76	10.8	9.7W	42 43.913	0.0009	13	-35 38 43.38	-0.032	13	0.26	43.899	15	35.4	42.92	21	35.4	K0 L	C8	6048	C -35 8170
77	8.1	7.6W	42 44.603	-0.0060	18	-37 10 33.72	-0.021	18	0.32	44.690	15	35.4	33.42	21	35.4	G0	C8	6049	C -36 8069
78	9.7	9.3W	42 50.512	-0.0026	13	-36 10 44.30	-0.013	13	0.26	50.549	15	35.4	44.12	21	35.4	G0	C8	6050	C -35 8171
79	9.4	8.1W	42 55.494	-0.0018	13	-37 32 51.21	-0.014	13	0.26	55.520	15	35.4	51.02	21	35.4	K5	C8	6051	C -37 8109
80	9.7	9.0W	42 56.966	-0.0002	13	-36 5 29.29	-0.019	13	0.26	56.969	15	35.4	25.02	21	35.4	G0	C8	6052	C -35 8173
81	10.3	10.1W	43 0.454	0.0004	21	-31 31 46.14	-0.009	21	0.42	0.447	22	32.9	45.98	21	32.9	G0 L	C7	6402	C -31 9873
82	10.8		43 2.487	-0.0035	21	-31 41 9.56	0.007	21	0.42	2.546	22	32.9	9.68	21	32.9	G0 L	C7	6403	C -31 9874
83	10.3	9.3W	43 8.789	-0.0033	21	-30 32 13.61	0.032	21	0.42	8.846	22	32.9	14.16	21	32.9	K0	C7	6404	C -3010104
84		10.3W	43 9.129	0.0000	21	-33 24 5.06	0.014	21	0.42	9.128	22	32.9	5.30	21	32.9	K0 L	C7	6405	C -32 8904
85	9.5	9.6W	43 11.442	-0.0033	21	-35 5 30.00	0.000	21	0.42	11.498	22	32.9	30.01	21	32.9	A3	C7	6406	C -34 8406
86	10.1	9.3W	43 15.047	-0.0006	21	-31 36 50.52	-0.008	21	0.42	15.057	22	32.9	50.38	21	32.9	K0	C7	6407	C -31 9878
87	9.1	9.0W	43 15.414	-0.0031	21	-32 7 44.59	-0.053	21	0.42	15.467	22	32.9	43.68	21	32.9	A5	C7	6408	C -31 9879
88	10.1	8.9W	43 15.791	0.0013	13	-39 46 3.73	-0.015	13	0.26	15.772	15	35.4	3.52	21	35.4	K2	C8	6056	C -39 7817
89	9.1	8.2W	43 22.819	0.0002	21	-31 29 23.66	0.006	21	0.42	22.816	22	32.9	23.77	21	32.9	K0	C7	6409	C -31 9880
90	10.0	9.6W	43 23.437	0.0039	08	-37 22 56.96	-0.031	08	0.22	23.380	15	35.4	56.52	21	35.4	F8 L	C8	6057	C -36 8076
91	10.7	9.6W	43 30.855	0.0033	21	-33 32 56.20	-0.024	21	0.42	30.799	22	32.9	55.80	21	32.9	K0 L	C7	6410	C -33 8613
92	10.6	9.0W	43 37.669	-0.0064	13	-39 44 5.22	-0.021	13	0.26	37.762	15	35.4	4.92	21	35.4	K2	C8	6059	C -39 7820
93	10.2	9.7W	43 38.813	-0.0103	21	-32 50 49.33	-0.054	21	0.42	38.988	22	32.9	48.40	21	32.9	G5	C7	6411	C -32 8908
94	9.8	9.0W	43 44.359	0.0007	21	-31 31 34.33	-0.032	21	0.42	44.347	22	32.9	33.78	21	32.9	K0	C7	6412	C -31 9882
95	10.5	9.6W	43 52.577	-0.0009	13	-36 35 58.62	-0.035	13	0.26	52.590	15	35.4	58.12	21	35.4	K0 L	C8	6061	C -36 8080
96	11.0	10.4W	43 56.348	-0.0058	21	-31 48 4.63	-0.061	21	0.42	56.446	22	32.9	3.58	21	32.9	G0 L	C7	6413	C -31 9885
97		6.0T	44 3.715	-0.0007	11	-33 2 31.88	-0.034	11	0.60	3.753	17	96.4	30.06	17	96.2	K0	GC	17360K	C -32 8912
98	9.9	9.8W	44 14.450	-0.0045	21	-32 4 8.34	0.008	21	0.42	14.527	22	32.9	8.48	21	32.9	F0	C7	6415	C -31 9886
99	10.4		44 17.287	-0.0023	21	-30 40 59.81	0.009	21	0.42	17.326	22	32.9	59.92	21	32.9	G0 L	C7	6416	C -3010110
00	10.7	10.6W	44 17.577	-0.0011	21	-30 44 26.49	0.004	21	0.42	17.596	22	32.9	26.57	21	32.9		C7	6417	C -3010109

203800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.7	9.1W	12 44 18.340	-0.0083	13	-38 32 6.14	-0.063	13	0.26	18.461	15	35.4	5.22	21	35.4	G5		C8	6063	C -38 7987
2	9.6	9.4W	44 23.213	0.0002	21	-34 26 19.69	-0.023	21	0.42	23.209	22	32.9	19.30	21	32.9	F2		C7	6418	C -34 8424
3	10.7	9.4W	44 24.410	-0.0028	13	-38 44 3.50	-0.046	13	0.26	24.451	15	35.4	2.82	21	35.4	K0	L	C8	6064	C -38 7988
4		10.5W	44 28.368	-0.0058	21	-31 43 4.39	-0.018	21	0.42	28.466	22	32.9	4.08	21	32.9			C7	6419	C -31 9890
5	9.9	9.6W	44 31.566	-0.0002	21	-34 54 1.67	-0.021	21	0.42	31.570	22	32.9	1.31	21	32.9	F5		C7	6420	C -34 8425
6	10.0	8.4W	44 34.465	-0.0012	13	-39 51 15.37	0.003	13	0.26	34.482	15	35.4	15.42	21	35.4	MA		C8	6065	C -39 7829
7	9.3	8.8W	44 38.808	-0.0105	09	-39 12 27.66	-0.099	09	0.22	38.961	15	35.4	26.22	21	35.4	G5		C8	6066	C -38 7989
8	10.9	10.1W	44 41.250	0.0018	21	-32 34 47.11	-0.024	21	0.42	41.218	22	32.9	46.70	21	32.9	G5	L	C7	6422	C -32 8918
9	10.1	10.0W	44 41.763	-0.0025	21	-30 41 28.12	-0.009	21	0.42	41.806	22	32.9	27.97	21	32.9	F5		C7	6423	C -3010114
10	7.9	7.8W	44 42.689	0.0012	13	-38 32 55.86	-0.044	13	0.26	42.671	15	35.4	55.22	21	35.4	F2		C8	6067	C -38 7990
11	10.5	10.0W	44 45.053	-0.0072	21	-30 37 32.22	-0.044	21	0.42	45.176	22	32.9	31.47	21	32.9	G0	L	C7	6424	C -3010115
12	10.3	9.4W	44 51.670	-0.0009	21	-30 27 2.66	-0.060	21	0.42	51.685	22	32.9	1.64	21	32.9	K5		C7	6425	C -3010120
13	10.4	9.4W	44 52.665	-0.0012	21	-30 40 49.44	-0.016	21	0.42	52.686	22	32.9	49.16	21	32.9	K5		C7	6426	C -3010119
14	9.9	9.6W	45 0.289	0.0000	13	-35 58 24.00	-0.040	13	0.26	0.289	15	35.4	23.42	21	35.4	A0		C8	6068	C -35 8190
15	10.4	9.6W	45 2.663	-0.0037	21	-32 6 25.70	-0.001	21	0.42	2.727	22	32.9	25.68	21	32.9	K2		C7	6427	C -31 9894
16	8.8	8.9W	45 3.875	-0.0025	13	-38 35 21.54	-0.036	13	0.26	3.911	15	35.4	21.02	21	35.4	A3		C8	6070	C -38 7995
17	10.6	10.6W	45 4.602	0.0015	21	-31 50 56.44	-0.020	21	0.42	4.577	22	32.9	56.78	21	32.9	G0	L	C7	6428	C -31 9895
18	8.2	8.1W	45 12.394	-0.0049	21	-33 47 16.50	-0.006	21	0.42	12.479	22	32.9	16.40	21	32.9	F0		C7	6429	C -33 8624
19	8.6	8.2W	45 22.981	-0.0019	05	-35 25 54.08	-0.071	05	0.20	23.009	15	35.4	55.12	21	35.4	G5		C8	6071	C -35 8195
20	9.6	9.2W	45 27.729	-0.0042	18	-38 25 46.15	-0.044	18	0.32	27.790	15	35.4	45.52	21	35.4	G5		C8	6072	C -38 8001
21	10.0	9.7W	45 33.343	-0.0097	21	-32 52 37.52	0.034	21	0.42	33.508	22	32.9	38.10	21	32.9	F8		C7	6430	C -32 8934
22	9.2	9.2W	45 34.136	-0.0044	18	-38 5 43.82	-0.013	18	0.32	34.200	15	35.4	44.02	21	35.4	A3		C8	6073	C -37 8142
23		7.5T	45 35.678	-0.0035	11	-32 3 7.41	-0.013	11	0.62	35.868	17	96.1	6.73	15	96.2	K2		GC	17389	C -31 9900
24	10.2	9.5W	45 40.478	-0.0018	21	-35 7 36.46	-0.027	21	0.42	40.508	22	32.9	36.01	21	32.9	K2		C7	6432	C -34 8433
25		10.5W	45 41.700	-0.0046	21	-33 34 3.44	0.010	21	0.42	41.779	22	32.9	3.60	21	32.9			C7	6433	C -33 8630
26	9.0	8.6W	45 57.111	-0.0003	21	-31 8 8.44	-0.069	21	0.42	57.116	22	32.9	7.26	21	32.9	G0		C7	6434	C -3010133
27	10.7	9.8W	45 58.063	-0.0037	21	-30 41 57.86	0.006	21	0.42	58.126	22	32.9	57.96	21	32.9	K0	L	C7	6435	C -3010132
28	9.2	8.1W	46 4.706	-0.0030	13	-36 18 34.39	-0.026	13	0.26	4.749	15	35.4	34.02	21	35.4	K2		C8	6074	C -35 8201
29	10.4	9.2W	46 6.670	0.0000	13	-37 4 3.59	-0.060	13	0.26	6.670	15	35.4	2.72	21	35.4	G5		C8	6075	C -36 8107
30	8.2	7.9W	46 8.226	-0.0058	13	-36 46 9.78	-0.053	13	0.26	8.310	15	35.4	9.02	21	35.4	F5		C8	6076	C -36 8109
31	9.5	9.5W	46 11.345	-0.0018	21	-30 53 3.05	-0.017	21	0.42	11.376	22	32.9	2.76	21	32.9	F2		C7	6437	C -3010137
32	9.2	8.9W	46 13.642	0.0033	21	-30 55 52.92	-0.050	21	0.42	13.586	22	32.9	52.06	21	32.9	G0		C7	6438	C -3010139
33	10.4	9.4W	46 18.861	0.0014	13	-37 8 39.93	-0.041	13	0.26	18.840	15	35.4	39.32	21	35.4	G5		C8	6078	C -36 8112
34	10.6	9.7W	46 19.914	0.0033	21	-34 16 38.20	-0.018	21	0.42	19.859	22	32.9	37.90	21	32.9	K5		C7	6439	C -33 8637
35	7.7	8.2W	46 24.836	-0.0004	13	-39 26 41.66	-0.017	13	0.26	24.841	15	35.4	41.42	21	35.4	B9		C8	6079	C -39 7849
36	9.0	9.1W	46 25.189	-0.0028	21	-32 29 28.97	-0.011	21	0.42	25.237	22	32.9	28.78	21	32.9	A2		C7	6440	C -32 8947
37	9.7	9.4W	46 29.365	-0.0059	21	-30 29 40.14	0.017	21	0.42	29.465	22	32.9	40.44	21	32.9	G5		C7	6441	C -3010142
38	9.9	9.5W	46 31.655	-0.0055	21	-32 46 30.65	-0.061	21	0.42	31.748	22	32.9	29.59	21	32.9	G0		C7	6442	C -32 8948
39	9.3	8.9W	46 39.584	-0.0004	13	-36 32 13.96	-0.010	13	0.26	39.590	15	35.4	13.82	21	35.4	F2		C8	6080	C -36 8114
40		10.3W	46 40.837	0.0000	21	-32 19 16.48	-0.029	21	0.42	40.837	22	32.9	15.98	21	32.9	K	L	C7	6443	C -31 9908
41	10.0	9.5W	46 41.294	-0.0011	08	-36 46 12.49	0.015	08	0.22	41.310	15	35.4	12.72	21	35.4	F8		C8	6081	C -36 8115
42		7.5T	46 49.074	-0.0007	11	-34 31 7.97	0.000	11	0.59	49.111	18	98.6	7.97	18	97.2	F5		GC	17409	C*-34 8442
43	8.9	8.6W	46 51.774	0.0104	21	-30 32 32.18	0.028	21	0.42	51.596	22	32.9	32.66	21	32.9	G0		C7	6445	C -3010147
44	9.2	8.4W	46 51.786	-0.0044	18	-37 35 53.18	-0.039	18	0.32	51.850	15	35.4	52.62	21	35.4	K0		C8	6082	C -37 8157
45	10.6	9.4W	46 55.505	-0.0006	21	-30 22 7.96	0.022	21	0.42	55.515	22	32.9	8.34	21	32.9	MA		C7	6446	C -29 9938
46	10.6	10.0W	46 59.605	-0.0096	21	-32 47 9.90	-0.070	21	0.42	59.768	22	32.9	8.70	21	32.9	G		C7	6447	C -32 8956
47	8.7	8.4W	47 0.645	-0.0066	21	-33 49 44.73	-0.007	21	0.42	0.759	22	32.9	44.60	21	32.9	F5		C7	6448	C -33 8644
48	10.7	10.1W	47 5.266	-0.0012	21	-32 29 30.56	-0.028	21	0.42	5.287	22	32.9	30.08	21	32.9	G0	L	C7	6449	C -32 8957
49	10.5	8.8W	47 11.359	0.0006	21	-34 2 4.55	-0.044	21	0.42	11.349	22	32.9	3.80	21	32.9	K5		C7	6450	C -33 8646
50	8.8	8.6W	47 11.811	-0.0022	21	-33 14 3.60	-0.041	21	0.42	11.848	22	32.9	2.89	21	32.9	F0		C7	6451	C -32 8959
51	10.5	10.1W	12 47 14.914	0.0010	13	-36 10 12.91	-0.034	13	0.26	14.899	15	35.4	12.42	21	35.4	G		C8	6083	C -35 8215
52	8.9	7.5W	47 26.114	-0.0059	18	-37 12 33.00	-0.053	18	0.32	26.200	15	35.4	32.22	21	35.4	K5		C8	6084	C -36 8122
53		10.1W	47 31.188	0.0006	21	-34 27 58.48	-0.052	21	0.42	31.179	22	32.9	57.60	21	32.9			C7	6452	C -34 8449
54	9.4	9.2W	47 33.062	-0.0020	21	-30 57 7.82	-0.015	21	0.42	33.096	22	32.9	7.56	21	32.9	F0		C7	6453	C -3010156
55	9.1	7.9W	47 36.489	0.0000	21	-33 20 15.69	0.018	21	0.42	36.488	22	32.9	15.99	21	32.9	K2		C7	6454	C -32 8965
56		7.7T	47 39.735	-0.0328	13	-30 18 20.03	0.009	12	0.70	41.422	17	98.5	20.50	18	96.8	G0		GC	17425	C*-29 9950
57	10.4	9.2W	47 47.610	-0.0035	13	-38 50 53.58	-0.066	13	0.26	47.661	15	35.4	52.62	21	35.4	K2		C8	6085	C -38 8027
58	9.9	9.3W	47 48.072	-0.0012	13	-35 56 46.80	-0.019	13	0.26	48.089	15	35.4	46.52	21	35.4	G0		C8	6086	C -35 8222
59	11.0	10.1W	47 50.010	-0.0046	21	-34 44 36.54	-0.008	21	0.42	50.090	22	32.9	36.41	21	32.9	G5	L	C7	6456	C -34 8452
60	9.3	7.8W	47 51.591	0.0007	06	-37 39 54.06	-0.044	06	0.20	51.580	15	35.4	53.42	21	35.4	K5		C8	6087	C -37 8169
61	10.9	10.5W	47 51.736	-0.0047	21	-31 45 39.89	-0.012	21	0.42	51.817	22	32.9	39.68	21	32.9	F8	L	C7	6457	C -31 9920
62	9.1	8.9W	47 51.796	-0.0044	13	-37 57 15.57	-0.079	13	0.26	51.860	15	35.4	14.42	21	35.4	F5		C8	6088	C -37 8170
63		5.0H	47 57.957	-0.0022	02	-33 43 37.32	-0.023	02	0.10	58.033	04	15.8	36.49	04	14.5	A0		F4	1331	C -33 8653
64	9.1	9.2W	48 2.969	-0.0034	13	-35 21 45.00	-0.013	13	0.26	3.019	15	35.4	44.82	21	35.4	A0		C8	6090	C -34 8456
65	10.1	8.7W	48 3.850	0.0014	23	-35 50 11.92	-0.007	23	0.38	3.829	15	35.4	11.82	21	35.4	K0		C8	6091	C -35 8224
66	9.6	8.5W	48 27.205	0.0003	13	-37 14 26.41	-0.019	13	0.26	27.200	15	35.4	26.12	21	35.4	K2		C8	6094	C -36 8135
67	10.1	8.9W	48 28.241	-0.0033	13	-35 37 43.06	-0.051	13	0.26	28.289	15	35.4	42.32	21	35.4	K2		C8	6095	C -35 8227
68	10.0	9.1W	48 34.980	0.0032	21	-30 12 6.02	0.036	21	0.42	34.925	22	32.9	6.64	21	32.9	K0		C7	6461	C -29 9962
69	10.0	9.2W	48 39.557	-0.0007	21	-32 55 59.24	-0.014	21	0.42	39.568	22	32.9	58.99	21	32.9	G5		C7	6462	C -32 8976
70		9.3Y	48 41.895	-0.0036	21	-32 26 34.99	0.023	21	0.42	41.957	22	32.9	35.38	21	32.9			C7	6463	C -32 8979
71	10.7	10.5W	48 44.694	-0.0014	21	-34 9 23.44	-0.044	21	0.42	44.719	22	32.9	22.70	21	32.9	B9	L	C7	6464	C -33 8658
72	9.9	9.1W	48 46.477	-0.0001	21	-33 44 3.65	-0.044	21	0.42	46.479	22	32.9	2.90	21	32.9	K0		C7	6465	C -33 8660
73	10.5	10.0W	48 50.407	0.0019	13	-36 27 10.28	-0.024	13	0.26	50.379	15	35.4	9.92	21	35.4	F8	L	C8	6096	C -36 8140
74	9.1	8.9W	49 0.165	-0.0013	21	-31 46 24.23	-0.026	21	0.42	0.187	22	32.9	23.78	21	32.9	F2		C7	6466	C -31 9929
75	9.1	9.1W	49 1.132	-0.0004	21	-33 11 21.68	-0.016	21	0.42	1.138	22	32.9	21.40	21	32.9	A3		C7	6467	C -32 8982
76	9.1	8.6W	49 1.155	-0.0008	21	-33 4 25.83	-0.019	21	0.42	1.168	22	32.9	25.49	21	32.9	G5		C7	6468	C -32 8983
77		7.4T	49 2.367	-0.0015	13	-30 48 42.13	0.008	11	0.67	2.445	19	98.9	42.54	18	95.6	M0		GC	17448K	C -3010168
78	10.3	10.0W	49 3.782	0.0022	13	-35 47 39.18	-0.114	13	0.26	3.749	15	35.4	37.52	21	35.4	F8	L	C8	6097	C -35 8233
79		7.0T	49 8.146	-0.0018	11	-30 55 48.86	-0.016	07	0.52	8.242	18	97.7	47.92	17	92.1	B9		GC	17451	C -3010169
80	10.8	9.2W	49 10.739	-0.0001	13	-37 9 5.58	-0.032	13	0.26	10.740	15	35.4	5.12	21	35.4	K5		C8	6098	C -36 8142
81		6.1T	49 11.155	-0.0033	06	-39 24 31.01	-0.033	05	0.25	11.287	10	10.0	29.61	09	07.6	B8		GC	17452	C*-39 7879
82	9.8	9.1W	49 11.663	0.0001	13	-38 58 26.53	-0.063	13	0.26	11.661	15	35.4	25.62	21	35.4	G5		C8	6100	C -38 8043
83	10.5	9.7W	49 12.535	0.0017	21	-31 21 0.81	-0.079	21	0.42	12.506	22	32.9	59.46	21	32.9	K5		C7	6471	C -3010170
84		7.1T	49 12.890	-0.0008	11	-34 48 38.95	-0.005	09	0.53	12.930	15	00.4	38.69	15	98.2	K0		GC	17453	C*-34 8468
85	10.5	10.1W	49 17.905	0.0017	21	-31 15 58.90	-0.008	21	0.42	17.876	22	32.9	58.76	21	32.9	G5		C7	6473	C -3010171
86	9.6	8.6W	49 22.653	-0.0033	13	-38 45 51.17	-0.018	13	0.26	22.701	15	35.4	50.92	21	35.4	G5		C8	6101	C -38 8044
87	8.5	8.6W	49 25.010	-0.0015	21	-30 22 22.43	0.006	21	0.42	25.035	22	32.9	22.54	21	32.9	A0		C7	6474	C -29 9972
88	9.9	9.2W	49 25.874	-0.0039	13	-38 43 21.98	-0.080	13	0.26	25.931	15	35.4	20.82	21	35.4	G5		C8	6102	C -38 8047
89	9.8	9.5W	49 26.594	0.0003	21	-33 2 45.97	-0.033	21	0.42	26.588	22	32.9	45.40	21	32.9	F8		C7	6475	C -32 8991
90	9.9	8.9W	49 31.983	0.0009	13	-35 39 51.43	-0.022	13	0.26	31.970	15	35.4	51.12	21	35.4	K0		C8	6103	C -35 8243
91	10.5	9.6W	49 32.751	-0.0016	21	-33 43 39.24	0.021	21	0.42	32.779	22	32.9	39.60	21	32.9	K2		C7	6476	C -33 8667
92	10.5		49 37.712	-0.0016	21	-32 50 53.35	0.009	21	0.42	37.738	22	32.9	53.50	21	32.9	G5	L	C7	6477	C -32 8993
93	10.5	10.0W	49 41.436	-0.0010	18	-38 28 8.55	-0.023	18	0.32	41.450	15	35.4	8.22	21	35.4	F5	L	C8	6104	C -38 8053
94	10.8	10.3W	49 57.538	-0.0040	21	-31 38 20.43	-0.061	21	0.42	57.606	22	32.9	19.38	21	32.9	G0	L	C7	6478	C -31 9932
95	11.1	10.0W	49 58.789	-0.0028	18	-37 12 45.15	-0.036	18	0.32	58.830	15	35.4	44.62	21	35.4	K0	L	C8	6105	C -36 8150
96		8.0T	50 1.146	0.0020	18	-39 2 24.66	-0.003	13	0.80	1.053	24	03.8	24.50	21	99.1	K2		GC	17470	C -38 8056
97	10.0	9.8W	50 3.005	-0.0008	21	-34 2 30.61	-0.030	21	0.42	3.019	22	32.9	30.10	21	32.9	A3		C7	6479	C -33 8674
98	10.0	9.5W	50 6.847	0.0025	18	-38 13 53.67	0.003	18	0.32	6.810	15	35.4	53.72	21	35.4	G5		C8	6107	C -37 8251
99	9.1	8.3W	50 9.786	-0.0036	13	-35 28 36.84	0.005	13	0.26	9.839	15	35.4	36.92	21	35.4	K0		C8	6108	C -35 8254
00	10.4	9.3W	50 15.930	0.0041	21	-33 51 11.03	-0.043	21	0.42	15.859	22	32.9	10.30	21	32.9	K2		C7	6481	C -33 8677

203900			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 12H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	9.8	8.6W	12 50 16.585	-0.0036	21	-31 35 9.42	-0.014	21	0.42		16.647	22	32.9	9.18	21	32.9	K5	C7	6462	C -31 9935
2		10.2W	50 22.072	-0.0026	21	-32 24 57.60	0.028	21	0.42		22.116	22	32.9	58.08	21	32.9	F5 L	C7	6463	C -32 8996
3	10.3	10.0W	50 22.650	-0.0040	21	-33 38 14.27	0.013	21	0.42		22.719	22	32.9	14.50	21	32.9	G0	C7	6464	C -33 8680
4		6.9T	50 27.316	0.0010	12	-39 7 8.09	-0.010	12	0.66		27.265	21	99.5	7.55	19	96.5	K2	GC	17478K	C*-38 8062
5	10.6	10.4W	50 35.566	0.0004	21	-32 34 50.95	-0.026	21	0.42		35.558	22	32.9	50.49	21	32.9	G	C7	6465	C -32 9001
6	9.4	8.4W	50 37.062	-0.0008	21	-31 4 38.53	0.037	21	0.42		37.076	22	32.9	39.17	21	32.9	K2	C7	6466	C -3010188
7		4.3M	50 39.510	0.0055	02	-39 54 26.31	-0.027	02	0.10		39.315	05	14.8	25.30	05	11.8	A5	F4	482	C -39 7893
8	9.8	9.7W	50 40.317	-0.0025	18	-37 47 14.96	-0.002	18	0.32		40.350	15	35.4	14.92	21	35.4	A	C8	6111	C -37 8210
9	10.0	9.4W	50 41.673	0.0022	13	-38 42 7.29	-0.019	13	0.26		41.641	15	35.4	7.02	21	35.4	G5	C8	6113	C -38 8065
10		9.3Y	50 46.141	-0.0021	21	-31 45 11.71	0.010	21	0.42		46.177	22	32.9	11.88	21	32.9		C7	6467	C -31 9940
11	10.1	9.1W	50 52.245	-0.0016	21	-33 5 58.20	-0.082	21	0.42		52.268	22	32.9	56.79	21	32.9	K0	C7	6468	C -32 9005
12	10.0	9.2W	50 59.560	-0.0056	13	-39 10 36.40	-0.061	13	0.26		59.641	15	35.4	35.52	21	35.4	G0	C8	6114	C -38 8069
13	10.9	9.6W	51 0.214	-0.0084	13	-39 39 39.73	-0.015	13	0.26		0.249	15	35.4	39.52	21	35.4	K1 L	C8	6115	C -39 8253
14	9.8	9.7W	51 4.664	-0.0003	21	-32 30 42.04	-0.043	21	0.42		4.668	22	32.9	41.29	21	32.9	F0	C7	6469	C -32 9006
15	11.2		51 5.755	0.0004	18	-36 9 25.61	-0.007	18	0.32		5.750	15	35.4	25.52	21	35.4	A5 L	C8	6116	C -35 8265
16	8.8	8.6W	51 7.958	-0.0053	21	-32 53 56.81	-0.059	21	0.42		8.046	22	32.9	55.80	21	32.9	F2	C7	6490	C -32 9007
17	11.1	10.2W	51 9.193	-0.0032	13	-35 31 32.35	-0.071	13	0.26		9.239	15	35.4	31.32	21	35.4	K1 L	C8	6117	C -35 8267
18	10.8	10.0W	51 10.796	-0.0051	13	-36 39 1.71	-0.034	13	0.26		10.870	15	35.4	1.22	21	35.4	K0 L	C8	6118	C -36 8165
19	10.4	9.8W	51 23.365	-0.0038	18	-37 59 24.59	0.022	18	0.32		23.420	15	35.4	24.92	21	35.4	K0 L	C8	6119	C -37 8221
20	9.5	8.7W	51 36.159	-0.0036	13	-38 49 24.80	-0.053	13	0.26		36.211	15	35.4	24.02	21	35.4	K0	C8	6121	C -38 8078
21	9.5	9.5W	51 36.421	0.0007	21	-34 49 44.25	-0.044	21	0.41		36.410	22	33.0	43.51	21	33.0	A2	C7	6491	C -34 8500
22	8.7	8.4W	51 38.477	0.0011	08	-39 12 23.76	-0.024	08	0.22		38.461	15	35.4	24.12	21	35.4	F8	C8	6122	C -38 8079
23		9.9W	51 42.216	0.0033	21	-34 19 39.13	-0.007	21	0.41		42.159	22	33.0	39.00	21	33.0	K	C7	6492	C -33 8689
24	9.7	8.7W	51 46.937	-0.0016	13	-36 32 25.42	0.006	13	0.26		46.960	15	35.4	25.52	21	35.4	K2	C8	6123	C -36 8173
25	9.3	8.3W	51 48.250	-0.0063	13	-39 53 55.47	0.003	13	0.26		48.342	15	35.4	55.52	21	35.4	K0	C8	6124	C -39 7905
26	8.4	8.1W	51 57.167	0.0011	18	-39 14 4.35	0.032	18	0.32		57.151	15	35.4	4.82	21	35.4	F8	C8	6125	C -38 8084
27	10.9	10.2W	52 1.784	-0.0026	21	-33 48 53.12	-0.019	21	0.41		1.829	22	33.0	52.80	21	33.0	G5 L	C7	6493	C -33 8693
28	10.9	10.8W	52 2.693	-0.0008	21	-32 0 20.00	-0.001	21	0.41		2.707	22	33.0	19.98	21	33.0	G0 L	C7	6494	C*-31 9948
29	10.4	10.1W	52 5.451	-0.0009	21	-31 26 16.76	-0.029	21	0.41		5.466	22	33.0	16.26	21	33.0	G0 L	C7	6495	C -31 9950
30	10.6	9.1W	52 7.020	-0.0021	13	-37 7 47.96	-0.058	13	0.26		7.050	15	35.4	47.12	21	35.4	K5 L	C8	6126	C -36 8176
31	10.8	9.2W	52 7.924	0.0010	13	-36 22 44.60	-0.006	13	0.26		7.909	15	35.4	44.52	21	35.4	M0 L	C8	6127	C -35 8279
32	9.9	9.6W	52 12.587	-0.0013	21	-34 53 19.18	-0.057	21	0.41		12.610	22	33.0	18.21	21	33.0	F8	C7	6496	C -34 8503
33	10.4	10.1W	52 15.119	-0.0061	09	-35 16 15.43	-0.049	09	0.22		15.209	15	35.4	14.72	21	35.4	G0	C8	6128	C -34 8504
34	10.2	10.3W	52 18.110	0.0014	21	-31 23 39.51	0.038	21	0.41		18.086	22	33.0	40.16	21	33.0	A0	C7	6497	C -3010207
35	10.5	10.0W	52 18.456	0.0045	13	-37 11 5.40	-0.046	13	0.26		18.390	15	35.4	4.72	21	35.4	F8 L	C8	6129	C -36 8182
36	10.0	9.4W	52 26.473	-0.0033	21	-34 56 29.98	-0.004	21	0.41		26.530	22	33.0	29.91	21	33.0	G5	C7	6498	C -34 8506
37	10.5	9.2W	52 30.847	-0.0017	13	-39 39 59.83	-0.049	13	0.26		30.872	15	35.4	59.12	21	35.4	K2 L	C8	6131	C -39 7917
38	9.8	9.6W	52 39.223	-0.0059	13	-36 11 6.42	-0.014	13	0.26		39.309	15	35.4	6.22	21	35.4	F0	C8	6132	C -35 8283
39	10.9	10.0W	52 50.725	0.0015	21	-33 47 42.28	0.001	21	0.41		50.699	22	33.0	42.30	21	33.0		C7	6499	C -33 8699
40	10.8	10.1W	52 52.070	0.0030	21	-34 34 8.42	0.017	21	0.41		52.020	22	33.0	8.71	21	33.0	G5 L	C7	6500	C -34 8513
41	9.6	8.2M	52 56.244	-0.0001	21	-31 11 31.89	-0.031	21	0.41		56.246	22	33.0	31.36	21	33.0	K5	C7	6501	C -3010213
42	9.5	8.7W	52 58.097	-0.0019	21	-33 24 46.47	-0.010	21	0.41		58.128	22	33.0	46.29	21	33.0	K0	C7	6502	C -33 8702
43	10.8	10.1W	53 5.308	-0.0005	21	-31 48 31.16	-0.075	21	0.41		5.317	22	33.0	29.88	21	33.0		C7	6503	C -31 9956
44	9.0	9.0W	53 11.001	-0.0033	13	-35 53 20.46	-0.010	13	0.26		11.050	15	35.4	20.32	21	35.4	A2	C8	6133	C -35 8288
45	10.4	9.9W	53 14.502	0.0009	13	-35 27 32.13	-0.056	13	0.26		14.489	15	35.4	31.32	21	35.4	G	C8	6134	C -35 8290
46	10.6	10.3W	53 16.606	-0.0037	13	-36 6 48.27	-0.038	13	0.26		16.659	15	35.4	47.72	21	35.4	F8 L	C8	6135	C -35 8291
47		7.0T	53 18.317	-0.0031	17	-31 12 40.08	0.007	13	0.78		18.468	19	01.9	40.43	19	98.2	A0	GC	17549	C -3010217
48	8.9	8.8W	53 21.153	0.0002	13	-36 36 45.57	-0.038	13	0.26		21.150	15	35.4	45.02	21	35.4	F0	C8	6136	C -36 8198
49	9.6	9.4W	53 26.765	-0.0112	21	-31 9 42.08	0.052	21	0.41		26.956	22	33.0	42.96	21	33.0	F5	C7	6505	C -3010221
50	10.4	10.2W	53 36.647	0.0018	13	-37 7 3.71	-0.075	13	0.26		36.620	15	35.4	2.62	21	35.4	F5	C8	6138	C -36 8200
51	10.3	9.4W	12 53 39.818	0.0018	09	-34 51 55.20	-0.046	09	0.22		39.792	15	35.4	54.52	21	35.4	K0	C8	6139	C -39 7929
52	10.7	10.4W	53 40.852	-0.0019	18	-36 7 28.86	-0.058	18	0.32		40.879	15	35.4	28.02	21	35.4	F8 L	C8	6140	C -35 8296
53	9.5	8.7W	53 47.320	-0.0017	21	-34 50 57.00	-0.023	21	0.41		47.355	22	33.0	56.61	21	33.0	K2	C7	6506	C -34 8527
54	10.0	8.9W	53 49.293	-0.0031	13	-35 21 46.93	-0.007	13	0.26		49.339	15	35.4	46.82	21	35.4	K5	C8	6142	C -34 8528
55	10.6	9.5W	53 49.539	-0.0053	21	-34 34 19.66	-0.050	21	0.41		49.630	22	33.0	18.81	21	33.0		C7	6507	C -34 8529
56	10.6	10.3W	53 49.578	-0.0066	21	-33 44 30.70	-0.012	21	0.41		49.689	22	33.0	30.50	21	33.0	G0 L	C7	6508	C -33 8708
57	8.9	8.1W	53 54.217	0.0028	21	-34 34 10.40	-0.023	21	0.41		54.170	22	33.0	10.01	21	33.0	K0	C7	6509	C -34 8530
58		10.4W	53 54.587	-0.0017	21	-31 5 17.54	0.072	21	0.41		54.616	22	33.0	18.77	21	33.0	F5 L	C7	6510	C -3010226
59	11.0	9.3W	53 55.647	-0.0003	09	-38 32 26.71	-0.041	09	0.22		55.651	15	35.4	26.12	21	35.4	K8 L	C8	6143	C -38 8111
60	9.2	8.0W	53 55.899	-0.0009	13	-39 59 16.65	-0.023	13	0.26		55.912	15	35.4	16.32	21	35.4	K0	C8	6144	C -39 7931
61	9.9	8.6W	54 4.629	0.0002	21	-30 48 43.63	-0.004	21	0.41		4.626	22	33.0	43.56	21	33.0	K5	C7	6511	C -3010231
62	9.4	9.1W	54 7.586	-0.0065	10	-38 30 35.20	-0.061	10	0.23		7.681	15	35.4	34.32	21	35.4	F8	C8	6145	C -38 8117
63	9.9	9.5W	54 12.136	-0.0009	13	-36 22 9.21	-0.027	13	0.26		12.149	15	35.4	8.82	21	35.4	F8	C8	6147	C -35 8302
64	9.4	8.7W	54 13.022	0.0014	21	-34 0 45.50	-0.006	21	0.41		12.999	22	33.0	45.40	21	33.0	K0	C7	6512	C -33 8709
65	10.3	9.5W	54 14.561	-0.0004	21	-34 25 27.43	0.035	21	0.41		14.569	22	33.0	28.00	21	33.0	K0	C7	6513	C -34 8539
66	10.8	9.6W	54 16.050	-0.0017	21	-33 13 53.92	-0.007	21	0.41		16.078	22	33.0	53.80	21	33.0	K5 L	C7	6514	C -32 9039
67	8.6	7.7W	54 21.405	-0.0019	13	-39 30 55.79	0.029	13	0.26		21.432	15	35.4	56.22	21	35.4	K0	C8	6148	C -39 7937
68	10.8	9.7W	54 36.618	-0.0022	21	-30 8 29.35	-0.036	21	0.41		36.655	22	33.0	28.74	21	33.0	K2 L	C7	6515	C -2910027
69	9.0	8.2W	54 44.072	-0.0045	21	-32 53 4.72	0.017	21	0.41		44.148	22	33.0	5.00	21	33.0	K0	C7	6516	C -32 9042
70	10.2	9.9W	54 45.257	0.0004	21	-34 22 31.49	-0.023	21	0.41		45.249	22	33.0	31.10	21	33.0	G5	C7	6517	C -33 8714
71	8.9	8.8W	54 50.676	-0.0025	21	-33 36 8.09	-0.035	21	0.41		50.719	22	33.0	7.50	21	33.0	F0	C7	6518	C -33 8715
72	10.1	9.8W	54 50.683	-0.0039	18	-37 19 54.33	-0.007	18	0.32		50.740	15	35.4	54.22	21	35.4	F5	C8	6150	C -36 8219
73		8.2T	54 52.788	-0.0039	10	-32 1 47.92	-0.026	09	0.42		52.955	15	07.5	46.78	15	05.5	G5	GC	17584	C -31 9978
74		9.0R	54 54.201	-0.0015	20	-30 0 45.47	-0.014	20	0.36		54.226	16	33.4	45.23	16	33.4	F0 M	138	8287	J -2910029
75	9.8	9.6W	54 59.419	-0.0016	21	-30 49 49.58	0.058	21	0.41		59.446	22	33.0	50.56	21	33.0	F2	C7	6520	C -3010238
76	10.1	9.9W	55 2.369	-0.0035	21	-32 54 7.09	-0.023	21	0.41		2.448	22	33.0	6.69	21	33.0	F5	C7	6521	C -32 9047
77	8.3	8.7W	55 10.544	-0.0011	13	-36 31 42.09	0.015	13	0.26		10.560	15	35.4	42.32	21	35.4	A0	C8	6152	C -36 8224
78	10.4	9.6W	55 12.528	-0.0042	13	-35 46 20.26	-0.072	13	0.26		12.589	15	35.4	19.22	21	35.4	K0 L	C8	6153	C -35 8319
79		6.7T	55 14.206	-0.0018	10	-38 38 50.34	-0.002	10	0.57		14.303	21	96.0	50.23	19	96.2	A0	GC	17592K	C -38 8129
80	10.7	10.3W	55 15.667	-0.0002	18	-35 34 6.45	-0.016	18	0.32		15.669	15	35.4	6.22	21	35.4	F5 L	C8	6155	C -35 8321
81	7.6	7.5W	55 16.410	-0.0063	09	-38 59 49.98	-0.005	09	0.22		16.501	15	35.4	49.92	21	35.4	A5	C8	6156	C -38 8130
82	9.4	9.1W	55 16.926	0.0016	21	-33 6 12.71	-0.012	21	0.41		16.898	22	33.0	12.49	21	33.0	F5	C7	6522	C -32 9049
83	10.8	9.9W	55 18.907	-0.0013	21	-34 49 21.70	-0.076	21	0.41		18.930	22	33.0	20.41	21	33.0	G5 L	C7	6523	C -34 8545
84	9.2	9.2W	55 26.922	-0.0026	13	-36 32 6.98	-0.018	13	0.26		26.960	15	35.4	6.72	21	35.4	F0	C8	6157	C -36 8226
85	10.0	10.0W	55 28.368	-0.0023	23	-39 6 48.03	0.006	23	0.38		28.401	15	35.4	48.12	21	35.4	A0	C8	6158	C -38 8133
86	9.5	8.6W	55 33.035	-0.0004	21	-31 0 37.74	0.007	21	0.41		33.076	22	33.0	37.86	21	33.0	K2	C7	6524	C -3010245
87	10.9	9.7W	55 34.409	-0.0022	21	-31 25 6.14	0.013	21	0.41		34.446	22	33.0	6.37	21	33.0		C7	6525	C -31 9985
88	8.2	8.1W	55 35.298	-0.0071	21	-32 33 15.32	0.005	21	0.41		35.418	22	33.0	15.40	21	33.0	F0	C7	6526	C -32 9052
89	9.7	8.8W	55 41.270	0.0008	21	-30 43 46.91	0.015	21	0.41		41.256	22	33.0	47.17	21	33.0	K2	C7	6527	C -3010246
90	10.6	9.7W	55 43.667	0.0006	21	-31 33 21.37	-0.011	21	0.41		43.657	22	33.0	21.18	21	33.0	G5	C7	6528	C -31 9987
91	11.0	9.9W	55 44.090	-0.0014	13	-37 22 46.74	-0.036	13	0.26		44.110	15	35.4	46.22	21	35.4	K0 L	C8	6159	C -36 8228
92	10.8	10.7W	55 45.447	-0.0036	21	-35 9 44.89	-0.040	21	0.41		45.508	22	33.0	44.22	21	33.0	G0 L	C7	6529	C -34 8548
93	10.5	9.3W	55 46.796	-0.0078	18	-37 55 50.26	0.010	18	0.32		46.910	15	35.4	50.42	21	35.4	K0	C8	6160	C -37 8266
94	10.5	9.5W	55 53.549	0.0002	21	-31 5 12.23	-0.057	21	0.41		53.546	22	33.0	11.26	21	33.0		C7	6530	C -3010249
95	9.7	9.1W	55 54.450	0.0000	09	-37 33 1.91	-0.027	09	0.22		54.450	15	35.4	1.52	21	35.4	F8	C8	6161	C -37 8267
96		7.0T	55 55.079	-0.0022	14	-36 0 18.88	-0.006	10	0.65		55.186	19	00.4	18.57	17	98.2	A2	GC	17598	C -35 8329
97	10.0	9.9W	55 57.461	0.0007	21	-32 52 59.18	-0.028	21	0.41		57.448	22	33.0	58.69	21	33.0	F0	C7	6531	C -32 9059
98	10.4	10.3W	55 58.237	-0.0048	21	-35 4 6.77	0.002	21	0.41		58.318	22	33.0	6.82	21	33.0	F8 L	C7	6532	C -34 8552
99	10.3	9.0W	55 59.130	-0.0082	13	-35 44 10.25	0.004	13	0.26		59.249	15	35.4	10.32	21	35.4	K2	C8	6163	C -35 8331
00	10.3	9.8W	56 3.953	-0.0019	13	-36 42 19.24	-0.084	13	0.26		3.980	15	35.4	18.02	21	35.4	G0	C8	6164	C -36 8231

204000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 12H DM NUMBER
1		6.6T	12 56 5.661	-0.0054	13	-38 50 9.24	-0.031	11	0.62	5.920	21	02.0	7.64	19	98.5	B9	GC	17601	C -38 8138
2		8.0T	56 7.923	-0.0034	14	-33 7 15.60	-0.040	10	0.63	8.087	17	01.8	13.55	18	98.6	K5	GC	17602	C -32 9063
3	9.3	8.3W	56 9.770	0.0026	13	-39 49 25.90	-0.013	13	0.26	9.732	15	35.4	25.72	21	35.4	G5	C8	6166	C -39 7960
4	10.6	9.6W	56 16.759	0.0017	21	-34 6 11.74	-0.019	21	0.41	16.729	22	33.0	11.40	21	33.0	K2	C7	6534	C -33 8730
5	9.8	9.6W	56 17.255	-0.0037	21	-34 27 26.84	-0.019	21	0.41	17.319	22	33.0	26.51	21	33.0	F2	C7	6535	C -34 8554
6	10.7	10.3W	56 17.442	-0.0010	21	-34 52 47.88	-0.028	21	0.41	17.460	22	33.0	47.41	21	33.0	G0 L	C7	6536	C -34 8555
7		8.3R	56 27.931	-0.0053	20	-30 0 27.26	-0.029	20	0.36	28.019	16	33.4	26.77	16	33.4	A2 J	13B	8302	J -2910045
8	9.8	9.8W	56 41.294	-0.0038	21	-33 12 40.39	-0.005	21	0.41	41.358	22	33.0	40.29	21	33.0	F8	C7	6537	C -32 9065
9	10.2	9.2W	56 46.338	-0.0063	13	-37 56 59.61	-0.082	13	0.26	46.430	15	35.4	58.42	21	35.4	K0	C8	6169	C -37 8280
10	9.8	8.2W	56 48.751	0.0002	13	-35 22 51.70	-0.061	13	0.26	48.749	15	35.4	50.82	21	35.4	K5	C8	6170	C -34 8560
11	10.1	9.7W	56 51.805	0.0004	21	-33 38 58.07	-0.022	21	0.41	51.799	22	33.0	57.70	21	33.0	G0	C7	6538	C -33 8737
12	10.6	9.6W	57 10.338	-0.0028	13	-35 21 50.32	0.020	13	0.26	10.379	15	35.4	50.62	21	35.4	K1 L	C8	6171	C -34 8567
13	10.3	10.1W	57 13.925	-0.0007	21	-31 32 10.92	0.004	21	0.41	13.937	22	33.0	10.98	21	33.0	F8 L	C7	6539	C -3110003
14	9.5	8.6W	57 16.433	0.0016	13	-35 59 0.32	-0.014	13	0.26	16.409	15	35.4	0.12	21	35.4	K0	C8	6173	C -35 8347
15	10.8	10.0W	57 16.921	-0.0016	21	-33 36 9.95	-0.002	21	0.41	16.949	22	33.0	9.91	21	33.0	K2 L	C7	6540	C -33 8740
16		6.9T	57 16.957	0.0011	13	-35 54 44.68	-0.029	10	0.61	16.900	18	00.0	43.12	18	96.4	K2	GC	17636	C -35 8348
17	10.3	9.8W	57 22.430	-0.0021	18	-37 27 46.95	-0.036	18	0.32	22.460	15	35.4	46.42	21	35.4	G5	C8	6175	C -37 8289
18	9.6	8.8W	57 22.896	0.0016	21	-32 42 18.21	-0.059	21	0.41	22.868	22	33.0	17.19	21	33.0	K0	C7	6541	C -32 9076
19	10.3	9.4W	57 24.058	-0.0063	13	-37 42 51.07	-0.058	13	0.26	24.150	15	35.4	50.22	21	35.4	K0	C8	6176	C -37 8291
20	10.2	9.0W	57 26.221	0.0003	21	-30 19 59.72	-0.029	21	0.41	26.215	22	33.0	59.24	21	33.0	K5	C7	6542	C -2910060
21		8.0T	57 26.494	-0.0042	12	-31 46 24.80	-0.005	10	0.58	26.705	18	00.0	24.56	18	97.2	F2	GC	17640	C -3110010
22	11.2	10.2W	57 33.284	-0.0032	18	-36 51 45.91	-0.015	18	0.32	33.350	15	35.4	46.12	21	35.4	K2 L	C8	6177	C -36 8249
23			57 36.798	-0.0023	23	-39 1 10.07	-0.011	23	0.38	36.831	15	35.4	9.92	21	35.4	A8 L	C8	6178	C -38 8154
24		10.6W	57 40.703	-0.0021	21	-34 20 19.16	0.067	21	0.41	40.739	22	33.0	20.30	21	33.0		C7	6544	C -33 8748
25	10.7	10.4W	57 44.592	0.0025	21	-34 7 0.02	-0.078	21	0.41	44.549	22	33.0	58.70	21	33.0	G2 L	C7	6545	C -33 8749
26	8.3	8.3W	57 44.752	-0.0026	21	-31 39 33.83	-0.044	21	0.41	44.797	22	33.0	33.08	21	33.0	A0	C7	6546	C -3110012
27	10.4	10.1W	57 46.453	-0.0015	21	-33 2 51.31	-0.006	21	0.41	46.478	22	33.0	51.20	21	33.0	G0 L	C7	6547	C -32 9082
28	9.0	9.0W	57 46.579	-0.0014	13	-35 36 1.88	-0.046	13	0.26	46.600	15	35.4	1.22	21	35.4	A2	C8	6182	C -35 8355
29		6.1T	57 47.968	-0.0057	06	-33 14 6.00	-0.080	05	0.26	48.220	09	05.9	2.14	09	01.7	F2	GC	17645	C -32 9083
30		6.6T	57 49.190	-0.0097	16	-32 46 52.25	-0.053	13	0.76	49.664	19	01.2	49.53	19	98.6	F0	GC	17646	C -32 9085
31	8.6	8.4W	57 53.035	0.0015	21	-33 54 12.58	0.007	21	0.41	53.009	22	33.0	12.70	21	33.0	F5	C7	6550	C -33 8753
32	10.7	10.3W	57 53.803	0.0027	21	-32 6 3.36	0.054	21	0.41	53.757	22	33.0	4.28	21	33.0	G5 L	C7	6551	C -3110015
33	9.3	9.4W	57 56.723	-0.0018	13	-35 52 57.30	-0.040	13	0.26	56.750	15	35.4	56.72	21	35.4	A0	C8	6183	C -35 8359
34	8.4	8.2W	57 57.037	-0.0092	08	-39 1 32.81	-0.041	08	0.22	57.171	15	35.4	32.22	21	35.4	F2 L	C8	6184	C -38 8158
35	10.2	9.9W	58 0.652	0.0016	13	-35 12 39.08	-0.039	13	0.26	0.629	15	35.4	38.52	21	35.4	A5	C8	6185	C -34 8576
36	9.2	8.2W	58 11.283	-0.0011	13	-36 17 53.16	-0.044	13	0.26	11.299	15	35.4	52.52	21	35.4	K0	C8	6186	C -35 8363
37	8.7	8.9W	58 14.966	-0.0029	21	-31 7 23.68	0.046	21	0.41	15.016	22	33.0	24.46	21	33.0	A0	C7	6552	C -3010271
38	10.7	9.9W	58 15.610	-0.0006	21	-34 8 1.10	-0.018	21	0.41	15.619	22	33.0	0.81	21	33.0		C7	6553	C -33 8758
39		8.3Q	58 17.675	0.0014	16	-33 21 17.86	0.004	16	0.81	17.607	19	00.9	18.06	21	01.2		GC	17657K	C -32 9088
40		7.0Q	58 18.174	0.0012	09	-33 21 13.97	0.000	07	0.51	18.107	15	93.9	13.98	15	89.7	G5	GC	17658K	C*-32 9088
41		7.9T	58 21.304	0.0100	14	-33 12 37.54	-0.042	11	0.64	20.820	18	01.5	35.40	17	99.0	F8	GC	17659	C -32 9089
42	10.5	9.9W	58 25.313	-0.0005	13	-36 36 49.17	-0.038	13	0.26	25.320	15	35.4	48.62	21	35.4	G5	C8	6188	C -36 8255
43	9.9	9.6W	58 27.223	0.0043	21	-33 36 18.43	-0.055	21	0.41	27.149	22	33.0	17.50	21	33.0	G0	C7	6556	C -33 8761
44	10.5	9.2W	58 30.118	-0.0008	13	-36 54 54.86	-0.024	13	0.26	30.129	15	35.4	54.52	21	35.4	K2	C8	6189	C -35 8369
45	10.6	9.3W	58 36.060	-0.0035	10	-39 0 6.41	-0.027	10	0.23	36.111	15	35.4	6.02	21	35.4	K2	C8	6190	C -38 8169
46	10.1	9.4W	58 46.151	-0.0004	21	-34 13 7.64	-0.019	21	0.41	46.159	22	33.0	7.30	21	33.0	K0	C7	6557	C -33 8762
47		7.8T	58 48.869	-0.0087	17	-32 17 25.92	0.001	13	0.75	49.282	18	02.6	25.98	18	00.0	F0	GC	17674	C -3110027
48	10.3	9.2W	58 49.727	-0.0016	13	-37 0 3.13	-0.022	13	0.26	49.750	15	35.4	2.82	21	35.4	K2	C8	6191	C -36 8257
49		6.7T	58 58.818	-0.0160	13	-39 20 52.79	0.005	12	0.65	59.605	18	00.8	53.05	19	97.7	K0	GC	17677	C -38 8177
50		7.5T	59 3.990	-0.0023	07	-30 33 49.80	-0.010	07	0.36	4.095	15	04.9	49.31	15	03.3	K0	GC	17679K	C -3010278
51	8.5	8.3W	12 59 5.414	-0.0004	13	-35 50 45.90	-0.053	13	0.26	5.419	15	35.4	45.12	21	35.4	F0	C8	6194	C -35 8377
52	10.2	9.9W	59 8.570	-0.0039	21	-30 38 43.30	0.039	21	0.41	8.636	22	33.0	43.97	21	33.0	F8 L	C7	6560	C -3010279
53	9.1	8.5W	59 10.517	-0.0002	09	-38 2 12.47	-0.018	09	0.22	10.520	15	35.4	12.22	21	35.4	G5	C8	6195	C -37 8308
54	9.7	9.7W	59 17.275	0.0009	21	-34 12 39.43	-0.036	21	0.41	17.259	22	33.0	38.80	21	33.0	A3	C7	6561	C -33 8769
55		10.9W	59 20.064	0.0010	21	-32 24 20.32	0.045	21	0.41	20.047	22	33.0	21.08	21	33.0	K0 L	C7	6562	C -32 9098
56	9.7	9.4W	59 29.678	0.0005	21	-32 55 2.89	-0.052	21	0.41	29.668	22	33.0	1.99	21	33.0	F8	C7	6563	C -32 9101
57	9.8	9.0W	59 33.717	-0.0007	21	-33 29 58.22	-0.001	21	0.41	33.728	22	33.0	58.20	21	33.0	K0	C7	6564	C -33 8773
58	10.3	10.2W	59 37.489	0.0012	21	-33 49 46.08	-0.040	21	0.41	37.469	22	33.0	45.40	21	33.0	A3 L	C7	6565	C -33 8776
59	9.8	9.6W	59 37.984	-0.0048	21	-30 45 41.88	-0.013	21	0.41	38.066	22	33.0	41.67	21	33.0	F5	C7	6566	C -3010286
60	10.1	9.8W	59 39.124	-0.0007	21	-30 47 11.18	-0.013	21	0.41	39.136	22	33.0	10.97	21	33.0	F8 L	C7	6567	C -3010287
61	10.5	10.4W	59 41.132	-0.0014	21	-31 8 43.18	0.034	21	0.41	41.156	22	33.0	43.76	21	33.0	G0 L	C7	6568	C -3010288
62	9.4	8.5W	59 42.379	-0.0035	13	-37 10 47.06	-0.061	13	0.26	42.430	15	35.4	46.32	21	35.4	K0	C8	6198	C -36 8272
63	9.9	9.0W	59 46.357	-0.0060	21	-34 50 49.45	0.027	21	0.41	46.460	22	33.0	49.91	21	33.0	K2	C7	6569	C -34 8597
64	9.8	9.2W	59 46.408	-0.0118	21	-34 26 45.21	0.017	21	0.41	46.609	22	33.0	45.50	21	33.0	K0	C7	6570	C -34 8599
65	9.2	9.0W	59 49.038	-0.0042	21	-34 35 22.16	-0.062	21	0.41	49.110	22	33.0	21.11	21	33.0	F8	C7	6571	C -34 8600
66	9.6	8.6W	59 52.179	-0.0028	21	-31 30 36.18	-0.000	21	0.41	52.227	22	33.0	36.18	21	33.0	K2	C7	6572	C -3110033
67	10.1	8.7W	59 54.440	-0.0001	18	-39 14 56.43	-0.015	18	0.32	54.441	15	35.4	56.22	21	35.4	K5	C8	6199	C -38 8191
68	10.3	9.6W	59 54.731	-0.0002	21	-30 22 15.80	0.031	21	0.41	54.735	22	33.0	16.34	21	33.0	K2	C7	6573	C -2910081
69	10.6	9.6W	59 56.075	-0.0017	13	-35 37 16.49	0.022	13	0.26	56.099	15	35.4	16.82	21	35.4	G5	C8	6200	C -35 8388
70		8.0R	13 0 3.310	-0.0033	17	-30 4 12.80	0.015	17	0.32	3.364	16	33.4	13.05	16	33.4	K1 J	13B	8331	J -2910085
71	10.4	9.5W	0 5.604	-0.0018	18	-38 15 6.22	-0.028	18	0.32	5.630	15	35.4	5.82	21	35.4	K0	C8	6202	C -37 8317
72	10.8	10.4W	0 7.969	-0.0053	21	-32 30 27.07	-0.016	21	0.41	8.058	22	33.0	26.79	21	33.0		C7	6574	C -32 9107
73	9.5	9.3W	0 10.468	-0.0041	21	-34 17 17.27	-0.028	21	0.41	10.539	22	33.0	16.80	21	33.0	F8	C7	6575	C*-33 8782
74	10.0	8.7W	0 11.186	-0.0002	13	-35 57 42.98	-0.046	13	0.26	11.189	15	35.4	42.32	21	35.4	K2	C8	6204	C -35 8391
75		7.6T	0 16.345	0.0012	09	-34 1 27.59	-0.039	08	0.49	16.281	17	97.3	25.49	17	96.0	A2	GC	17695	C -33 8783
76		10.3W	0 19.555	-0.0001	21	-32 2 31.30	-0.007	21	0.41	19.556	22	33.0	31.18	21	33.0	K L	C7	6577	C -3110039
77		9.6T	0 41.518	-0.0031	13	-30 53 40.33	-0.017	10	0.63	41.677	26	99.4	39.45	21	99.0	F5	GC	17705	C -3010299
78	9.6	9.3W	0 43.964	-0.0025	13	-38 0 7.48	-0.053	13	0.26	44.000	15	35.4	6.72	21	35.4	F5	C8	6206	C -37 8327
79	11.0	9.9W	0 45.414	-0.0018	13	-36 59 30.18	-0.046	13	0.26	45.440	15	35.4	29.52	21	35.4	K0	C8	6207	C -36 8282
80	8.0	7.9W	0 48.653	-0.0074	18	-38 42 0.80	-0.046	18	0.32	48.761	15	35.4	0.12	21	35.4	F0	C8	6209	C -38 8203
81	9.9	9.6W	0 49.344	-0.0038	21	-33 25 24.25	-0.003	21	0.41	49.408	22	33.0	24.19	21	33.0	G0	C7	6579	C -33 8788
82	10.3	9.9W	0 51.975	-0.0031	13	-37 30 48.06	-0.065	13	0.26	52.020	15	35.4	47.12	21	35.4	F8	C8	6210	C -37 8328
83	9.0	9.1W	0 57.806	0.0019	21	-30 18 47.47	0.051	21	0.41	57.775	22	33.0	48.34	21	33.0	A2	C7	6580	C -2910097
84	11.0	10.3W	0 58.828	-0.0018	21	-34 40 6.45	-0.026	21	0.41	58.860	22	33.0	6.01	21	33.0	K0 L	C7	6581	C -34 8614
85	10.7	9.8W	0 59.218	-0.0001	13	-35 31 33.82	-0.055	13	0.26	59.219	15	35.4	33.02	21	35.4	K0	C8	6211	C -35 8402
86		7.1T	0 59.994	-0.0011	05	-33 58 55.59	-0.007	05	0.25	+ 0.042	09	05.5	55.27	10	03.0	G5	GC	17708K	C -33 8790
87	10.6	10.1W	1 3.469	-0.0110	09	-36 4 23.32	0.054	09	0.22	3.629	15	35.4	24.12	21	35.4	G0 L	C8	6212	C -35 8403
88	10.4	10.0W	1 9.620	-0.0014	23	-36 47 24.24	-0.063	23	0.38	9.640	15	35.4	23.32	21	35.4	G0	C8	6213	C -36 8288
89	11.0	10.4W	1 14.689	-0.0049	18	-37 21 20.05	-0.030	18	0.32	14.760	15	35.4	19.62	21	35.4	G0 L	C8	6214	C -36 8289
90	10.7	9.9W	1 16.434	0.0009	21	-33 50 57.91	0.017	21	0.41	16.419	22	33.0	58.21	21	33.0	K2 L	C7	6583	C -33 8793
91	10.4	10.2W	1 20.236	-0.0019	21	-33 37 26.16	0.008	21	0.41	20.269	22	33.0	26.31	21	33.0	F8	C7	6584	C -33 8796
92	9.9	9.1W	1 25.332	0.0021	21	-31 15 41.64	0.025	21	0.41	25.296	22	33.0	42.06	21	33.0	K0	C7	6585	C -3010308
93	9.3	8.9W	1 33.328	-0.0009	30	-38 43 18.00	-0.046	30	0.47	33.341	15	35.4	17.32	21	35.4	G0	C8	6217	C -38 8211
94	10.1	9.5W	1 38.298	0.0033	23	-35 52 0.87	-0.107	23	0.38	38.249	15	35.4	59.32	21	35.4	G5	C8	6218	C -35 8412
95	11.2	10.1W	1 39.176	-0.0002	13	-35 16 48.61	-0.007	13	0.26	39.179	15	35.4	48.52	21	35.4	G8 L	C8	6219	C -34 8622
96	10.4	9.6W	1 41.169	-0.0063	18	-36 33 57.82	-0.048	18	0.32	41.260	15	35.4	57.12	21	35.4	G0	C8	6221	C -36 8294
97	9.2	9.0W	1 42.733	-0.0050	21	-33 52 56.33	0.004	21	0.41	42.819	22	33.0	56.40	21	33.0	G0	C7	6586	C -33 8800
98	9.6	8.6W	1 45.777	-0.0002	09	-37 31 29.56	-0.024	09	0.22	45.780	15	35.4	29.22	21	35.4	K0	C8	6222	C -37 8338
99	9.0	9.0W	1 50.601	-0.0041	09	-38 7 34.86	-0.024	09	0.22	50.660	15	35.4	34.52	21	35.4	A0	C8	6223	C -37 8340
00		9.2T	1 58.554	-0.0012	12	-32 48 16.95	0.014	10	0.61	58.615	21	99.5	17.72	21	95.8	G0	GC	17728	C -32 9126

204100 -30° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.8	9.8W	13 2 1.246	-0.0064	13	-35 39 3.38	0.050	13	0.26	1.339	15	35.4	4.12	21	35.4	K5	C8	6224	C -35 8414
2	10.1	9.0W	2 1.838	-0.0002	13	-39 29 49.26	-0.002	13	0.26	1.841	15	35.4	49.22	21	35.4	K0	C8	6225	C -39 8028
3			2 3.694	-0.0003	23	-35 19 22.42	-0.014	23	0.38	3.699	15	35.4	22.22	21	35.4	K0 L	C8	6226	C -34 8628
4		10.4W	2 5.389	-0.0016	21	-31 33 32.90	-0.013	21	0.41	5.416	22	33.0	32.68	21	33.0	K L	C7	6588	C -3110057
5	8.3	8.3W	2 5.475	-0.0014	21	-32 52 10.41	-0.018	21	0.41	5.498	22	33.0	10.10	21	33.0	A2	C7	6589	C -32 9129
6	10.5	10.4W	2 9.028	-0.0027	21	-30 27 51.82	0.001	21	0.41	9.075	22	33.0	51.84	21	33.0	G0 L	C7	6590	C -3010312
7		10.7W	2 10.762	-0.0026	21	-31 46 38.31	-0.037	21	0.41	10.807	22	33.0	37.68	21	33.0		C7	6591	C -3110058
8	9.9	9.7W	2 12.362	-0.0022	21	-34 33 21.72	-0.023	21	0.41	12.400	22	33.0	22.11	21	33.0	F5	C7	6592	C -34 8629
9	9.0	8.7W	2 12.876	-0.0058	18	-37 15 24.85	-0.030	18	0.32	12.960	15	35.4	24.42	21	35.4	G0	C8	6229	C -36 8297
10	10.7	9.8W	2 21.029	-0.0020	13	-35 14 40.52	0.006	13	0.26	21.059	15	35.4	40.62	21	35.4		C8	6232	C -34 8631
11	9.9	9.4W	2 28.703	0.0091	06	-37 23 2.45	-0.133	06	0.20	28.570	15	35.4	0.52	21	35.4	G5	C8	6234	C -36 8303
12	10.6	10.2W	2 32.178	-0.0011	21	-32 20 37.45	-0.039	21	0.42	32.197	22	32.9	36.78	21	32.9	F5 L	C7	6593	C -3110063
13		10.2W	2 39.820	-0.0043	21	-30 21 33.69	-0.056	21	0.42	39.895	22	32.9	32.74	21	32.9	G2 L	C7	6594	C -2910119
14	9.6	9.2W	2 50.402	-0.0092	21	-34 56 31.39	-0.081	21	0.42	50.560	22	32.9	30.01	21	32.9	G5	C7	6595	C -34 8637
15	10.6	9.7W	2 55.091	-0.0225	21	-30 30 15.16	0.075	21	0.42	55.476	22	32.9	16.46	21	32.9	K2	C7	6596	C -3010319
16	10.0	10.0W	2 57.779	0.0007	21	-32 24 10.61	-0.037	21	0.42	57.767	22	32.9	9.98	21	32.9	F5	C7	6597	C -3110067
17	8.6	7.9W	3 0.488	0.0011	21	-34 50 39.53	-0.013	21	0.42	0.470	22	32.9	39.31	21	32.9	K0	C7	6598	C -34 8638
18	10.9		3 3.562	-0.0094	13	-36 26 24.36	-0.072	13	0.26	3.699	15	35.4	23.32	21	35.4	G5 L	C8	6238	C -36 8308
19	9.8	8.9W	3 4.748	-0.0112	13	-39 12 13.52	-0.035	13	0.26	4.911	15	35.4	13.02	21	35.4	G5	C8	6239	C -38 8227
20	10.1	9.7W	3 6.013	-0.0341	18	-38 14 49.53	-0.131	18	0.32	6.510	15	35.4	47.62	21	35.4	F8	C8	6240	C -37 8363
21	9.8	9.5W	3 8.257	-0.0087	21	-30 29 58.18	-0.038	21	0.42	8.405	22	32.9	57.54	21	32.9	K0	C7	6599	C -3010325
22	10.2	9.0W	3 13.197	-0.0017	21	-31 17 33.64	0.001	21	0.42	13.226	22	32.9	33.66	21	32.9	K5	C7	6600	C -3010328
23	9.3	8.6W	3 20.654	-0.0046	09	-39 11 51.75	-0.030	09	0.22	20.721	15	35.4	51.32	21	35.4	K0	C8	6242	C -38 8232
24	10.7	9.9W	3 22.396	-0.0037	21	-34 31 52.18	-0.051	21	0.42	22.460	22	32.9	51.31	21	32.9	K0	C7	6601	C -34 8643
25	10.4		3 37.901	-0.0061	30	-38 7 14.12	-0.035	30	0.47	37.990	15	35.4	13.62	21	35.4	A2	C8	6244	C -37 8365
26	10.0	9.0W	3 44.822	0.0003	21	-32 16 57.18	-0.029	21	0.42	44.817	22	32.9	56.68	21	32.9	K2	C7	6602	C -3110075
27	9.7	9.3W	3 49.006	-0.0058	13	-37 40 19.71	0.015	13	0.26	49.090	15	35.4	19.92	21	35.4	F8	C8	6247	C -37 8367
28		6.9T	3 52.679	-0.0018	15	-31 20 38.67	-0.033	12	0.71	52.768	17	01.8	36.98	18	99.2	K0	GC	17766	C -3010336
29	10.1	9.9W	4 2.865	-0.0009	13	-35 12 52.76	-0.017	13	0.26	2.879	15	35.4	52.52	21	35.4	F8	C8	6248	C -34 8651
30	10.0	9.8W	4 4.313	-0.0055	21	-31 52 51.81	-0.025	21	0.42	4.407	22	32.9	51.38	21	32.9	F8	C7	6604	C -3110082
31	9.4	8.0W	4 6.704	-0.0011	13	-37 16 58.08	-0.032	13	0.26	6.720	15	35.4	57.62	21	35.4	MB	C8	6250	C -36 8319
32		5.6T	4 6.778	0.0032	06	-35 35 37.24	-0.083	05	0.23	6.653	09	11.4	33.87	09	09.4	A0	GC	17774	C -35 8441
33	10.4		4 7.373	-0.0032	21	-34 5 16.31	-0.030	21	0.42	7.429	22	32.9	15.80	21	32.9	F5	C7	6606	C -33 8821
34		7.2T	4 10.755	-0.0167	10	-33 51 12.69	-0.092	08	0.51	11.603	18	99.2	7.71	17	95.8	F5	GC	17775	C -33 8823
35	8.9	8.4W	4 11.208	-0.0084	07	-37 28 34.60	-0.095	07	0.21	11.330	15	35.4	33.22	21	35.4	G0	C8	6251	C -37 8372
36		8.2T	4 13.216	0.0015	20	-35 59 47.34	-0.012	16	0.86	13.146	22	04.7	46.76	21	01.6	K2	GC	17776	C -35 8442
37	9.8	9.5W	4 26.372	-0.0019	13	-36 17 31.04	-0.043	13	0.26	26.399	15	35.4	30.42	21	35.4	F5	C8	6253	C -35 8447
38	9.9	9.8W	4 27.333	-0.0015	21	-33 23 24.72	0.005	21	0.42	27.358	22	32.9	24.79	21	32.9	F2	C7	6607	C -32 9149
39	9.6	8.9W	4 30.583	-0.0025	21	-31 16 2.04	0.019	21	0.42	30.626	22	32.9	2.37	21	32.9	K0	C7	6608	C -3010343
40		9.9W	4 31.315	-0.0014	21	-34 36 36.63	0.010	21	0.42	31.340	22	32.9	36.81	21	32.9	G5 L	C7	6609	C -34 8654
41	9.8	9.6W	4 33.895	-0.0066	21	-33 55 18.30	-0.018	21	0.42	34.009	22	32.9	18.00	21	32.9	G0	C7	6610	C -33 8830
42	9.9	9.7W	4 41.178	-0.0063	21	-31 25 5.77	-0.024	21	0.42	41.286	22	32.9	5.36	21	32.9	F5	C7	6611	C -3110090
43	10.0	9.2W	4 49.058	-0.0017	21	-32 9 40.27	-0.046	21	0.42	49.087	22	32.9	39.48	21	32.9	K2	C7	6612	C -3110093
44	10.0	9.5W	4 51.166	-0.0160	21	-32 52 58.17	-0.033	21	0.42	51.438	22	32.9	57.59	21	32.9	K0	C7	6613	C -32 9154
45		7.7T	4 54.005	0.0018	12	-30 10 4.34	-0.013	13	0.68	53.908	10	97.4	3.65	18	97.6	A0	GC	17789	C -2910143
46	10.8		4 57.056	0.0043	13	-36 54 42.87	-0.052	13	0.26	56.990	15	35.4	42.12	21	35.4	F5	C8	6258	C -36 8329
47	9.3	8.1W	5 0.147	0.0003	09	-39 46 36.21	-0.034	09	0.22	0.142	15	35.4	37.72	21	35.4	K2	C8	6259	C -39 8062
48	9.7	9.1W	5 2.490	0.0157	13	-39 22 42.68	-0.073	13	0.26	2.261	15	35.4	41.62	21	35.4	G5	C8	6260	C -38 8251
49	10.4	9.6W	5 4.886	-0.0018	21	-31 42 16.48	-0.023	21	0.42	4.917	22	32.9	16.08	21	32.9	K0	C7	6615	C -3110096
50	10.1	9.0W	5 5.158	-0.0035	13	-36 8 2.32	0.006	13	0.26	5.209	15	35.4	2.42	21	35.4	K2	C8	6262	C -35 8456
51	9.4	8.6W	13 5 7.140	0.0012	21	-34 54 28.77	-0.033	21	0.42	7.120	22	32.9	28.21	21	32.9	K0	C7	6616	C -34 8664
52		9.4Y	5 12.963	-0.0113	21	-30 44 45.32	-0.056	21	0.42	13.156	22	32.9	44.36	21	32.9	G0 L	C7	6617	C -3010350
53	10.7		5 14.490	-0.0021	18	-38 25 34.82	-0.062	18	0.32	14.520	15	35.4	33.92	21	35.4	F8 L	C8	6263	C -38 8254
54	8.9	8.1W	5 23.263	0.0010	06	-35 14 4.49	0.015	06	0.20	23.249	15	35.4	4.72	21	35.4	G5	C8	6265	C -34 8668
55		9.5T	5 25.890	0.0006	13	-33 42 33.30	-0.028	12	0.65	25.860	22	01.2	31.88	21	99.3	F2	GC	17795	C -33 8837
56		6.8T	5 34.426	-0.0120	11	-35 57 26.97	0.025	10	0.59	35.046	17	98.1	28.39	17	93.1	A5	GC	17797	C -35 8459
57	8.3	8.4W	5 36.751	-0.0045	21	-33 51 7.69	-0.029	21	0.42	36.829	22	32.9	7.20	21	32.9	A3	C7	6619	C -33 8841
58		9.6Q	5 38.704	0.0053	14	-33 24 41.23	-0.024	13	0.75	38.418	03	96.0	39.97	27	97.3		GC	17800	C -33 8842
59	8.8	8.7W	5 39.407	-0.0031	13	-39 38 55.67	-0.011	13	0.26	39.452	15	35.4	55.52	21	35.4	F8	C8	6267	C -39 8066
60	9.0	8.2W	5 44.056	-0.0032	13	-39 53 55.20	-0.013	13	0.26	44.102	15	35.4	55.02	21	35.4	K0	C8	6268	C -39 8067
61	10.7	9.9W	5 45.078	-0.0030	21	-32 36 32.02	-0.007	21	0.42	45.128	22	32.9	31.90	21	32.9	K0	C7	6620	C -32 9163
62	8.9	7.8W	5 48.192	-0.0040	07	-37 49 37.36	0.010	07	0.21	48.250	15	35.4	37.52	21	35.4	K0	C8	6269	C -37 8397
63	9.6	9.4W	5 52.424	-0.0001	21	-30 59 27.84	0.054	21	0.42	52.426	22	32.9	28.76	21	32.9	F8	C7	6621	C -3010355
64	9.5	9.2W	5 52.433	-0.0053	13	-36 41 24.80	0.001	13	0.26	52.510	15	35.4	24.82	21	35.4	F8	C8	6270	C -36 8343
65	10.2	8.8W	5 56.696	0.0005	13	-35 16 31.77	-0.052	13	0.26	56.689	15	35.4	31.02	21	35.4	K5	C8	6271	C -34 8676
66	10.6	9.9W	6 4.221	0.0007	21	-32 40 43.77	-0.004	21	0.42	4.208	22	32.9	43.70	21	32.9	K0	C7	6622	C -32 9168
67	8.0	8.1W	6 13.211	0.0001	21	-34 4 53.57	-0.016	21	0.42	13.209	22	32.9	53.30	21	32.9	A2	C7	6623	C -33 8846
68		7.2T	6 14.283	-0.0003	09	-33 14 6.79	-0.022	08	0.41	14.297	14	05.0	5.80	14	04.9	K0	GC	17809	C -32 9170
69	10.5	9.6W	6 15.396	-0.0037	13	-37 26 50.96	-0.022	13	0.26	15.450	15	35.4	50.62	21	35.4	K0	C8	6272	C -37 8401
70	10.1	10.0W	6 17.672	0.0056	21	-31 7 11.66	0.012	21	0.42	17.576	22	32.9	11.86	21	32.9	K0	C7	6625	C -3010364
71	8.2	8.1W	6 20.225	0.0091	08	-39 36 21.42	-0.103	08	0.22	20.092	15	35.4	19.92	21	35.4	F5	C8	6273	C -39 8076
72	10.3		6 21.818	-0.0036	13	-37 1 17.52	-0.041	13	0.26	21.870	15	35.4	16.92	21	35.4	A2	C8	6274	C -36 8349
73	10.2	9.5W	6 28.054	-0.0007	21	-31 17 52.79	-0.019	21	0.42	28.066	22	32.9	52.46	21	32.9	K2	C7	6626	C -3010365
74	9.4	8.4W	6 33.715	-0.0036	21	-31 45 13.08	-0.023	21	0.42	33.777	22	32.9	12.68	21	32.9	K2	C7	6627	C -3110110
75	10.4	10.2W	6 35.144	-0.0090	21	-34 13 1.90	-0.024	21	0.42	35.299	22	32.9	1.50	21	32.9	F8 L	C7	6628	C -33 8852
76	10.4	9.7W	6 35.352	-0.0014	21	-30 35 44.54	0.007	21	0.42	35.376	22	32.9	44.66	21	32.9	K0	C7	6629	C -3010370
77	9.9	9.3W	6 38.879	-0.0045	21	-30 20 31.17	-0.002	21	0.42	38.955	22	32.9	31.14	21	32.9	K0	C7	6630	C -2910159
78	9.2	9.6W	6 48.872	-0.0025	08	-35 28 40.40	0.001	08	0.22	48.909	15	35.4	40.42	21	35.4	A0	C8	6276	C -35 8470
79	10.4		6 50.778	0.0035	21	-34 18 1.40	-0.012	21	0.42	50.719	22	32.9	1.20	21	32.9	F8 L	C7	6631	C -33 8856
80	9.5	9.3W	6 51.587	0.0011	13	-37 18 49.74	-0.036	13	0.26	51.570	15	35.4	49.22	21	35.4	F2	C8	6277	C -36 8353
81	8.8	7.7W	6 55.709	-0.0048	13	-35 53 39.06	0.017	13	0.26	55.780	15	35.4	39.32	21	35.4	K0	C8	6279	C -35 8472
82	8.4	7.5W	7 0.641	-0.0033	06	-36 15 58.73	-0.022	06	0.20	0.689	15	35.4	58.42	21	35.4	G5	C8	6281	C -35 8473
83	9.6	9.5W	7 6.375	-0.0024	18	-38 4 53.86	-0.010	18	0.32	6.410	15	35.4	53.72	21	35.4	F0	C8	6282	C -37 8413
84	10.6	9.6W	7 15.986	-0.0048	21	-35 2 43.49	-0.034	21	0.42	16.068	22	32.9	42.91	21	32.9	K0	C7	6632	C -34 8691
85		7.5T	7 28.760	-0.0016	17	-31 49 43.00	0.000	13	0.75	28.836	19	03.2	43.02	18	00.1	K0	GC	17830	C -3110121
86	10.5	9.7W	7 33.208	-0.0015	13	-35 51 49.47	-0.038	13	0.26	33.229	15	35.4	48.92	21	35.4	K0	C8	6285	C -35 8479
87	8.9	8.6W	7 33.214	-0.0032	21	-32 32 21.08	-0.034	21	0.42	33.268	22	32.9	20.49	21	32.9	F8	C7	6634	C -32 9184
88	8.3	8.2W	7 33.601	-0.0028	21	-34 30 48.31	-0.047	21	0.42	33.650	22	32.9	47.51	21	32.9	F0	C7	6635	C -34 8695
89			7 39.749	-0.0056	23	-38 46 49.57	-0.045	23	0.38	39.831	15	35.4	48.92	21	35.4	A0 L	C8	6286	C -38 8296
90	8.8	7.9W	7 40.635	0.0005	21	-32 17 27.16	-0.034	21	0.42	40.627	22	32.9	26.58	21	32.9	K0	C7	6636	C -3110124
91		9.8W	7 46.068	-0.0033	21	-30 24 10.99	0.014	21	0.42	46.125	22	32.9	11.24	21	32.9	K5 L	C7	6637	C -3010381
92	9.8	9.2W	7 50.768	-0.0063	21	-31 12 15.81	-0.020	21	0.42	50.876	22	32.9	15.46	21	32.9	G5	C7	6638	C -3010384
93	9.5	8.8W	7 52.741	-0.0116	21	-34 47 3.46	-0.284	21	0.42	52.940	22	32.9	-58.61	21	32.9	K2	C7	6639	C -34 8698
94	10.5	9.8W	7 54.010	-0.0185	18	-37 48 28.47	-0.038	18	0.32	54.280	15	35.4	27.92	21	35.4	G5	C8	6287	C -37 8422
95	8.7	8.4W	7 55.738	0.0061	05	-35 22 29.06	-0.058	05	0.20	55.649	15	35.4	28.22	21	35.4	F8	C8	6288	C -34 8699
96		10.1W	7 55.987	-0.0036	21	-33 34 54.72	-0.013	21	0.42	56.049	22	32.9	54.50	21	32.9	G0 L	C7	6640	C -33 8871
97	10.3		7 56.054	-0.0038	13	-36 2 35.53	-0.015	13	0.26	56.109	15	35.4	35.32	21	35.4	A3	C8	6289	C -35 8485
98	10.4		7 56.988	0.0006	13	-36 19 41.73	-0.022	13	0.26	56.979	15	35.4	41.42	21	35.4	F8	C8	6290	C -35 8486
99	9.3	8.9W	7 59.070	0.0068	10	-39 18 57.67	-0.052	10	0.23	58.971	15	35.4	56.92	21	35.4	F8	C8	6291	C -38 8300
00	10.1	9.4W	8 0.362	0.0002	21	-34 43 28.47	-0.068	21	0.42	0.360	22	32.9	27.31	21	32.9	K2	C7	6641	C -34 8700

204200			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 13H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	6.1	8.0W	13 8 2.032	-0.0068	09	-39 13 35.31	-0.068	09	0.22	2.131	15	35.4	34.32	21	35.4	F2	C8	6293	C -38 8301	
2	10.7	10.1W	8 3.159	-0.0029	21	-34 16 35.28	-0.011	21	0.42	3.209	22	32.9	35.10	21	32.9	K0 L	C7	6642	C -33 8872	
3	10.1	9.9W	8 6.744	0.0003	13	-36 11 26.15	-0.016	13	0.26	6.739	15	35.4	25.92	21	35.4	F2	C8	6294	C -35 8490	
4	10.0	9.9W	8 8.201	-0.0040	21	-33 27 24.20	0.012	21	0.42	8.268	22	32.9	24.40	21	32.9	F8	C7	6643	C -33 8873	
5	9.7	9.4W	8 9.741	-0.0032	21	-30 16 44.88	0.050	21	0.42	9.795	22	32.9	45.74	21	32.9	F8	C7	6644	C -2910173	
6	10.2		8 15.413	-0.0155	23	-35 30 58.72	-0.021	23	0.38	15.639	15	35.4	58.42	21	35.4	F5	C8	6295	C -35 8492	
7	10.1	8.5W	8 24.431	-0.0076	13	-38 44 11.77	-0.031	13	0.26	24.541	15	35.4	11.32	21	35.4	MA	C8	6298	C -38 8311	
8	10.8	9.4W	8 27.354	-0.0011	09	-37 22 14.49	-0.012	09	0.22	27.370	15	35.4	14.32	21	35.4	K5	C8	6299	C -36 8374	
9	10.1		8 27.791	-0.0006	13	-35 55 2.41	-0.019	13	0.26	27.799	15	35.4	2.12	21	35.4	A0	C8	6300	C -35 8494	
10	10.0	9.9W	8 30.495	-0.0024	21	-30 31 15.62	0.026	21	0.42	30.536	22	32.9	16.06	21	32.9	A5 L	C7	6645	C -3010390	
11	10.1	8.7W	8 31.568	0.0013	21	-30 51 15.92	0.020	21	0.42	31.546	22	32.9	16.27	21	32.9	K5	C7	6646	C -3010391	
12		6.6T	8 42.513	-0.0045	12	-34 51 52.42	-0.002	10	0.56	42.733	14	01.3	52.32	15	99.1	K0	GC	17854K	C -34 8709	
13	10.5	9.8W	8 49.878	-0.0000	21	-34 23 7.29	-0.041	21	0.42	49.879	22	32.9	6.60	21	32.9	K0	C7	6649	C -33 8876	
14	10.7	10.3W	8 52.638	-0.0058	21	-31 59 48.82	0.015	21	0.42	52.737	22	32.9	49.08	21	32.9	F8	C7	6650	C#-3110142	
15	10.0	9.8W	8 54.416	-0.0012	21	-32 0 4.56	-0.057	21	0.42	54.436	22	32.9	3.58	21	32.9		C7	6651	C#-3110142	
16	8.1	8.5W	8 54.503	0.0009	06	-37 7 55.29	-0.033	06	0.20	54.490	15	35.4	54.82	21	35.4	A0	C8	6302	C -36 8379	
17	8.9	8.4W	8 57.287	-0.0063	08	-35 21 9.59	-0.060	08	0.22	57.379	15	35.4	8.72	21	35.4	G0	C8	6303	C -34 8711	
18	9.7	9.7W	8 58.290	-0.0014	10	-37 47 44.06	-0.031	10	0.23	58.310	15	35.4	43.62	21	35.4	A2	C8	6304	C -37 8433	
19	10.6	9.3W	9 1.623	-0.0015	21	-32 43 47.71	-0.030	21	0.42	1.648	22	32.9	47.20	21	32.9	MA	C7	6652	C -32 9193	
20	10.5		9 2.700	-0.0021	21	-30 48 25.48	0.098	21	0.42	2.736	22	32.9	27.16	21	32.9	A0 L	C7	6653	C -3010397	
21	9.6	9.5W	9 2.883	-0.0019	21	-31 4 10.49	-0.025	21	0.42	2.916	22	32.9	10.06	21	32.9	G0	C7	6654	C -3010396	
22	10.2	9.6W	9 4.491	-0.0040	21	-32 36 50.19	-0.011	21	0.42	4.558	22	32.9	50.00	21	32.9	K0	C7	6655	C -32 9194	
23	10.5	10.1W	9 5.347	-0.0036	21	-33 48 26.50	-0.018	21	0.42	5.409	22	32.9	26.20	21	32.9	G5	C7	6656	C -33 8878	
24	10.2		9 8.158	0.0018	30	-39 14 49.30	-0.040	30	0.47	8.131	15	35.4	48.72	21	35.4	A2	C8	6305	C -38 8321	
25	9.2	8.2W	9 8.330	-0.0086	21	-32 16 31.71	-0.025	21	0.42	8.477	22	32.9	31.28	21	32.9	K0	C7	6657	C -3110144	
26	10.2	10.0W	9 13.502	-0.0048	21	-30 27 34.73	0.012	21	0.42	13.585	22	32.9	34.94	21	32.9	F8 L	C7	6658	C -3010398	
27		4.9T	9 15.365	-0.0324	05	-37 32 18.41	0.039	05	0.25	16.868	10	03.6	20.30	10	01.7	G5	GC	17869	C#-37 8437	
28	9.8	9.6W	9 16.324	0.0004	13	-35 23 27.73	-0.007	13	0.26	16.319	15	35.4	27.62	21	35.4	F0	C8	6308	C -34 8715	
29	9.9	9.8W	9 18.941	-0.0056	21	-31 50 16.18	-0.029	21	0.42	19.037	22	32.9	15.68	21	32.9	F5	C7	6659	C -3110145	
30	9.7	8.9W	9 26.406	-0.0024	21	-32 11 17.92	-0.043	21	0.42	26.446	22	32.9	17.18	21	32.9	K0	C7	6660	C -3110146	
31	9.8	9.7W	9 39.435	-0.0052	09	-39 12 50.98	-0.080	09	0.22	39.511	15	35.4	49.82	21	35.4	F0	C8	6312	C -38 8329	
32	9.3	8.2W	9 40.187	-0.0011	21	-30 47 55.39	-0.060	21	0.42	40.206	22	32.9	54.36	21	32.9	K0	C7	6661	C -3010403	
33	10.3	9.6W	9 41.735	-0.0020	21	-32 52 33.03	-0.025	21	0.42	41.768	22	32.9	32.59	21	32.9	K0	C7	6662	C -32 9199	
34		8.4R	9 41.985	-0.0004	17	-30 2 17.85	0.046	17	0.32	41.992	16	33.4	18.62	16	33.4	A2 J	13B	8405	J -2910191	
35	8.1	7.8W	9 45.062	-0.0186	21	-34 28 45.01	-0.282	21	0.42	45.379	22	32.9	40.20	21	32.9	F5	C7	6663	C -34 8720	
36	8.7	7.7W	9 45.122	-0.0013	06	-39 25 39.66	-0.010	06	0.20	45.141	15	35.4	39.52	21	35.4	K0	C8	6313	C -39 8105	
37		6.7T	9 58.619	-0.0154	07	-31 36 14.74	-0.317	06	0.30	59.253	12	08.9	0.27	12	04.3	G5	GC	17883	C#-3110156	
38	10.2	9.0W	10 3.472	-0.0043	21	-30 40 7.21	0.009	21	0.42	3.546	22	32.9	7.36	21	32.9	K5 L	C7	6665	C -3010409	
39	10.1	9.6W	10 7.445	-0.0026	21	-34 57 28.44	0.004	21	0.42	7.490	22	32.9	28.51	21	32.9	K0	C7	6666	C -34 8727	
40	10.2	9.6W	10 9.166	-0.0006	21	-31 16 43.46	0.000	21	0.42	9.176	22	32.9	43.47	21	32.9	K2	C7	6667	C#-3010410	
41	8.8	8.1W	10 9.209	-0.0150	21	-30 26 56.57	0.115	21	0.42	9.465	22	32.9	58.54	21	32.9	K0	C7	6668	C -3010411	
42	9.9	9.5W	10 12.801	-0.0068	21	-31 42 8.74	-0.027	21	0.42	12.917	22	32.9	8.28	21	32.9	G0	C7	6669	C -3110158	
43	10.6	9.6W	10 13.575	0.0011	13	-36 22 19.21	-0.034	13	0.26	13.559	15	35.4	18.72	21	35.4	K0	C8	6316	C -35 8518	
44	10.9		10 19.315	-0.0003	13	-36 17 19.54	-0.097	13	0.26	19.319	15	35.4	18.12	21	35.4	G5	C8	6317	C -35 8520	
45	9.7	8.5W	10 23.040	-0.0034	21	-35 4 19.06	-0.002	21	0.42	23.098	22	32.9	19.01	21	32.9	K2	C7	6670	C#-34 8731	
46	9.4	9.3W	10 24.683	0.0020	21	-34 44 1.65	-0.055	21	0.42	24.650	22	32.9	0.71	21	32.9	F2	C7	6671	C -34 8730	
47	9.1	9.4W	10 25.046	-0.0019	21	-33 21 2.26	-0.021	21	0.42	25.078	22	32.9	1.89	21	32.9	A0	C7	6672	C -32 9204	
48		10.2W	10 31.069	-0.0035	13	-36 56 19.09	-0.026	13	0.26	31.120	15	35.4	18.72	21	35.4	F8 L	C8	6318	C -36 8400	
49	10.5	9.3W	10 43.115	-0.0008	21	-32 32 16.00	-0.023	21	0.42	43.128	22	32.9	15.60	21	32.9	K2	C7	6673	C -32 9208	
50	10.2	9.7W	10 44.415	0.0010	21	-35 5 48.54	-0.036	21	0.42	44.398	22	32.9	47.91	21	32.9	K0	C7	6674	C -34 8737	
51	10.7		13 10 48.247	0.0059	18	-38 42 46.85	-0.071	18	0.32	48.161	15	35.4	45.82	21	35.4	F8	C8	6319	C -38 8345	
52	10.6	9.6W	10 51.672	0.0008	13	-36 46 52.73	-0.001	13	0.26	51.660	15	35.4	52.72	21	35.4	K0	C8	6321	C -36 8402	
53	8.6	8.7W	10 54.805	-0.0010	13	-35 40 52.74	-0.050	13	0.26	54.819	15	35.4	52.02	21	35.4	F2	C8	6322	C -35 8529	
54	10.5	9.5W	10 54.835	-0.0032	13	-39 8 53.44	-0.050	13	0.26	54.881	15	35.4	52.72	21	35.4	K0	C8	6323	C -38 8348	
55	9.8	9.5W	10 56.296	-0.0016	13	-36 27 42.28	0.002	13	0.26	56.320	15	35.4	42.32	21	35.4	F8	C8	6324	C -36 8405	
56	10.1	9.9W	10 56.522	0.0050	21	-31 38 55.37	-0.040	21	0.42	56.437	22	32.9	54.68	21	32.9	G5	C7	6675	C -3110169	
57	7.5	7.6W	11 1.208	0.0006	21	-34 24 35.72	-0.024	21	0.42	1.199	22	32.9	35.30	21	32.9	F0	C7	6676	C -34 8742	
58		10.0W	11 2.280	0.0048	23	-37 22 47.17	-0.011	23	0.38	2.210	15	35.4	47.02	21	35.4	A8 L	C8	6325	C -36 8408	
59	9.4	8.7W	11 3.255	-0.0018	13	-39 29 53.37	-0.038	13	0.26	3.281	15	35.4	52.82	21	35.4	G5	C8	6326	C -39 8118	
60	8.7	8.8W	11 9.994	0.0009	21	-34 53 15.72	0.011	21	0.42	9.980	22	32.9	15.91	21	32.9	A3	C7	6677	C -34 8745	
61		9.0R	11 16.317	-0.0026	17	-30 4 6.63	0.034	17	0.32	16.361	16	33.4	7.19	16	33.4	K0 M	13B	8419	J -2910202	
62	8.7	8.8W	11 16.379	-0.0035	21	-33 7 24.41	-0.030	21	0.42	16.438	22	32.9	23.89	21	32.9	A3	C7	6678	C -32 9215	
63	9.4	9.2W	11 18.256	-0.0018	21	-31 59 22.43	-0.038	21	0.42	18.287	22	32.9	21.78	21	32.9	G0	C7	6679	C -3110175	
64	11.0	9.4W	11 20.765	-0.0079	13	-36 44 36.28	-0.018	13	0.26	20.880	15	35.4	36.02	21	35.4	K5	C8	6327	C -36 8412	
65	10.2	9.1W	11 22.788	0.0022	21	-34 25 14.50	0.017	21	0.42	22.749	22	32.9	14.80	21	32.9	K2	C7	6680	C -34 8747	
66	9.8	9.0W	11 25.168	-0.0028	21	-31 20 41.15	-0.017	21	0.42	25.216	22	32.9	40.86	21	32.9	K0	C7	6681	C -3010424	
67			11 33.152	-0.0033	18	-37 56 44.27	-0.004	18	0.32	33.200	15	35.4	44.22	21	35.4	A5 L	C8	6328	C -37 8458	
68	10.5	9.7W	11 35.246	-0.0035	21	-31 21 21.37	0.017	21	0.42	35.306	22	32.9	21.66	21	32.9	K2	C7	6682	C -3010426	
69	8.0	7.9W	11 36.756	-0.0070	13	-35 10 30.35	-0.044	13	0.26	36.859	15	35.4	29.72	21	35.4	F5	C8	6329	C -34 8752	
70	9.5	8.6W	11 39.609	-0.0029	21	-33 39 56.35	-0.021	21	0.42	39.669	22	32.9	56.00	21	32.9	K0	C7	6683	C -33 8904	
71	8.7	8.8W	11 42.836	-0.0019	21	-33 47 12.17	-0.022	21	0.42	42.869	22	32.9	11.80	21	32.9	F0	C7	6684	C -33 8905	
72	10.3		11 44.226	-0.0024	21	-32 28 15.99	-0.018	21	0.42	44.267	22	32.9	15.68	21	32.9	A2	C7	6685	C -32 9227	
73		7.1T	11 50.289	-0.0003	14	-38 23 14.98	-0.004	11	0.66	50.303	21	02.4	14.78	18	99.2	B8	GC	17928	C#-37 8461	
74	9.7	9.7W	11 51.426	-0.0019	21	-34 12 28.92	-0.013	21	0.42	51.459	22	32.9	28.70	21	32.9	F0	C7	6686	C -33 8908	
75		9.8W	11 51.587	-0.0023	21	-31 27 32.27	-0.012	21	0.42	51.626	22	32.9	32.07	21	32.9	K L	C7	6687	C -3110186	
76	9.7	9.0W	11 56.640	-0.0051	21	-32 20 47.64	-0.062	21	0.42	56.727	22	32.9	46.58	21	32.9	G5	C7	6688	C -3110187	
77	10.0	9.6W	12 1.133	-0.0067	13	-38 24 7.41	-0.075	13	0.26	1.230	15	35.4	6.32	21	35.4	G0	C8	6334	C -38 8367	
78	9.1	8.9W	12 1.274	-0.0036	21	-31 16 58.27	0.023	21	0.42	1.336	22	32.9	58.66	21	32.9	F8	C7	6689	C -3010431	
79	8.4	7.1W	12 6.227	0.0004	21	-34 22 1.52	-0.019	21	0.42	6.219	22	32.9	1.20	21	32.9	K0	C7	6690	C -33 8911	
80	10.3	10.3W	12 6.286	0.0004	13	-36 35 21.18	-0.024	13	0.26	6.280	15	35.4	20.82	21	35.4	F5	C8	6336	C -36 8420	
81	10.0	9.6W	12 18.366	-0.0181	13	-37 38 57.20	-0.046	13	0.26	18.630	15	35.4	56.52	21	35.4	G0	C8	6338	C -37 8465	
82		6.3T	12 20.517	-0.0012	11	-36 6 24.69	-0.020	11	0.60	20.576	18	99.0	23.63	17	97.2	K0	GC	17938	C -35 8547	
83	10.1	9.0W	12 21.376	-0.0024	13	-39 22 37.85	-0.030	13	0.26	21.411	15	35.4	37.42	21	35.4	K0	C8	6340	C#-38 8373	
84	10.7	10.0W	12 22.706	0.0012	21	-30 32 32.53	0.066	21	0.42	22.686	22	32.9	33.66	21	32.9	K0 L	C7	6691	C -3010436	
85	7.7	8.1W	12 24.521	-0.0013	06	-37 9 39.16	-0.017	06	0.20	24.540	15	35.4	38.92	21	35.4	B8	C8	6342	C -36 8422	
86			12 25.649	0.0006	13	-37 1 0.49	-0.012	13	0.26	25.640	15	35.4	0.32	21	35.4	K0 L	C8	6343	C -36 8425	
87	7.3	7.5W	12 27.422	-0.0021	21	-33 53 20.60	-0.018	21	0.42	27.459	22	32.9	20.30	21	32.9	A0	C7	6692	C -33 8914	
88	9.3	9.3W	12 35.971	-0.0028	13	-39 49 4.44	0.012	13	0.26	36.012	15	35.4	4.62	21	35.4	A3	C8	6344	C -39 8129	
89	10.5	9.7W	12 37.104	0.0011	21	-30 28 17.34	-0.012	21	0.42	37.085	22	32.9	17.14	21	32.9	K0 L	C7	6693	C -3010440	
90	9.1	8.7W	12 37.141	0.0000	13	-39 25 42.73	-0.083	13	0.26	37.141	15	35.4	41.52	21	35.4	G0	C8	6345	C -39 8130	
91	9.5	9.4W	12 37.907	-0.0051	21	-30 17 36.11	-0.057	21	0.42	37.995	22	32.9	35.14	21	32.9	G0	C7	6694	C -2910216	
92	10.4		12 39.609	-0.0012	21	-33 15 20.21	0.011	21	0.42	39.628	22	32.9	20.39	21	32.9	F8 L	C7	6695	C -32 9238	
93	10.7	10.2W	12 46.472	-0.0033	21	-34 29 37.25	-0.027	21	0.42	46.529	22	32.9	36.80	21	32.9	G5 L	C7	6696	C -34 8763	
94	9.5	9.2W	12 48.177	-0.0024	21	-33 51 35.45	-0.021	21	0.42	48.219	22	32.9	35.10	21	32.9	F8	C7	6697	C -33 8917	
95	9.8	9.4W	12 48.404	-0.0108	21	-34 15 9.19	-0.117	21	0.42	48.589	22	32.9	7.20	21	32.9	G0	C7	6698	C -33 8918	
96	10.2	9.7W	12 53.356	-0.0019	21	-34 20 50.79	-0.023	21	0.42	53.389	22	32.9	50.40	21	32.9	G5	C7	6699	C -33 8919	
97	10.1	9.1W	12 54.187	-0.0016	13	-38 2 19.79	-0.026	13	0.26	54.210	15	35.4	19.42	21	35.4	K0	C8	6346	C -37 8469	
98	10.1	9.8W	12 56.233	0.0020	21	-32 35 20.51	-0.024	21	0.42	56.198	22	32.9	20.09	21	32.9	G0	C7	6700	C -32 9241	
99	8.7	7.7W	12 57.948	-0.0010	13	-39 47 26.32	-0.007	13	0.26	57.962	15	35.4	26.22	21	35.4	K0	C8	6347	C -39 8138	
00	8.1	8.3W	13 5.900	0.0000	18	-38 13 35.17	0.003	18	0.32	5.900	15	35.4	35.22	21	35.4	A3	C8	6348	C -37 8473	

204300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 13H DM NUMBER
1	10.5	9.9W	13 13 6.704	-0.0031	13	-36 24 37.99	-0.026	13	0.26	6.749	15	35.4	37.62	21	35.4	K5	C8	6349	C -36 8434
2	10.2	9.1W	13 16.267	-0.0042	21	-34 50 37.08	0.037	21	0.42	16.340	22	32.9	37.71	21	32.9	K5	C7	6701	C -34 8773
3	10.1		13 20.940	-0.0041	13	-34 50 45.53	-0.041	13	0.26	21.000	15	35.4	44.92	21	35.4	A5	C8	6350	C -35 8557
4	10.6	10.3W	13 27.844	0.0004	21	-32 9 8.43	-0.008	21	0.43	27.837	22	32.4	8.28	21	32.4	F5 L	C7	6702	C -3110205
5	9.6	8.8W	13 37.580	-0.0022	21	-33 1 17.06	0.014	21	0.43	37.618	22	32.4	17.29	21	32.4	K0	C7	6703	C -32 9246
6	9.7	8.8W	13 41.882	0.0019	21	-34 0 19.11	-0.018	21	0.43	41.849	22	32.4	18.80	21	32.4	K0	C7	6704	C -33 8829
7	9.9	9.4W	13 51.186	-0.0091	21	-31 3 28.24	-0.016	21	0.43	51.346	22	32.4	27.96	21	32.4	K0	C7	6705	C -3010453
8	9.1	9.0W	13 53.428	-0.0022	13	-35 10 28.01	-0.027	13	0.26	53.459	15	35.4	27.82	21	35.4	B8	C8	6344	C -34 8777
9	10.1	8.8W	13 56.534	-0.0060	13	-38 49 44.52	-0.035	13	0.26	56.621	15	35.4	44.02	21	35.4	K5	C8	6345	C -38 8395
10	10.6	10.2W	13 58.961	-0.0041	18	-37 58 25.95	0.052	18	0.32	59.020	15	35.4	26.72	21	35.4	F8 L	C8	6357	C -37 8488
11	8.5	8.0W	14 5.438	-0.0058	21	-34 20 4.44	0.003	21	0.43	5.539	22	32.4	4.50	21	32.4	G5	C7	6706	C -33 8934
12		5.4H	14 6.074	0.0028	03	-31 14 31.61	-0.055	02	0.10	5.970	04	12.9	29.59	04	13.6	K0	F4	1342	C -3010457
13		7.6T	14 6.449	-0.0030	12	-30 19 41.86	0.008	10	0.61	6.610	18	97.3	42.30	18	93.9	F5	GC	17969	C+-2910233
14	10.5	9.5W	14 8.795	0.0020	21	-33 52 5.15	-0.026	21	0.43	8.759	22	32.4	4.70	21	32.4	K2 L	C7	6709	C -33 8935
15	10.5	9.8W	14 10.719	-0.0015	21	-31 0 56.10	-0.008	21	0.43	10.746	22	32.4	57.96	21	32.4	K0 L	C7	6710	C -3010459
16	9.9	9.6W	14 11.569	-0.0043	18	-38 58 6.91	-0.034	18	0.32	11.631	15	35.4	6.42	21	35.4	F8	C8	6358	C -38 8397
17	10.3	9.8W	14 13.950	-0.0010	21	-35 0 44.42	-0.041	21	0.43	13.988	22	32.4	43.71	21	32.4	K0	C7	6711	C -34 8781
18	9.3	8.9W	14 15.230	-0.0103	09	-36 54 32.54	-0.084	09	0.22	15.380	15	35.4	31.32	21	35.4	F8	C8	6359	C -36 8446
19	10.3	10.2W	14 18.063	-0.0025	21	-31 54 6.59	-0.057	21	0.43	18.107	22	32.4	5.58	21	32.4	G0 L	C7	6712	C -3110213
20	10.1	8.8W	14 28.044	0.0003	21	-33 7 48.69	-0.022	21	0.43	28.038	22	32.4	48.29	21	32.4	K5	C7	6713	C -32 9257
22	9.4	8.6W	14 31.475	-0.0007	21	-32 20 11.46	-0.061	21	0.43	31.487	22	32.4	10.38	21	32.4	K0	C7	6714	C -3110215
22	9.4	8.6W	14 34.640	-0.0076	13	-36 33 35.20	0.015	13	0.26	34.750	15	35.4	16.42	21	35.4	G0	C8	6363	C -36 8455
23	10.6	9.5W	14 41.167	-0.0035	21	-35 3 19.26	0.025	21	0.43	41.228	22	32.4	19.71	21	32.4	K2	C7	6715	C -34 8787
24			14 44.865	-0.0017	18	-35 41 51.11	-0.027	18	0.32	44.889	15	35.4	50.72	21	35.4	K0 L	C8	6367	C -35 8575
25	7.4	7.5W	14 48.281	-0.0013	13	-36 45 14.05	-0.036	13	0.26	48.300	15	35.4	13.52	21	35.4	A3	C8	6368	C+-36 8459
26	9.2	9.4W	14 51.363	-0.0032	21	-32 56 40.97	0.036	21	0.43	51.418	22	32.4	41.59	21	32.4	A0	C7	6716	C -32 9263
27	10.0	9.3W	14 52.617	-0.0029	21	-34 28 51.20	0.005	21	0.43	52.669	22	32.4	51.30	21	32.4	K0	C7	6717	C -34 8788
28	10.2		14 54.134	-0.0032	18	-38 31 38.21	-0.027	18	0.32	54.181	15	35.4	37.82	21	35.4	A2	C8	6369	C -38 8405
29	8.7	8.6W	14 54.438	-0.0067	21	-30 8 14.73	0.034	21	0.43	54.555	22	32.4	15.34	21	32.4	F2	C7	6718	C -2910842
30	10.0	9.1W	15 0.130	-0.0026	21	-30 36 40.37	-0.023	21	0.43	0.176	22	32.4	39.96	21	32.4	K5	C7	6719	C -3010468
31	10.5	9.5W	15 2.265	0.0015	21	-34 15 33.43	0.055	21	0.43	2.239	22	32.4	34.40	21	32.4	K2 L	C7	6720	C -33 8946
32	9.9	8.5W	15 8.321	0.0007	21	-33 9 30.74	0.009	21	0.43	8.308	22	32.4	30.89	21	32.4	K5	C7	6721	C -32 9266
33	9.1	9.0W	15 11.876	-0.0024	21	-33 51 35.89	0.000	21	0.43	11.919	22	32.4	35.90	21	32.4	F0	C7	6722	C -33 8949
34	9.6	8.4W	15 18.535	-0.0022	21	-30 28 8.55	0.039	21	0.43	18.575	22	32.4	9.24	21	32.4	K5	C7	6723	C -3010472
35	9.1	8.6W	15 18.889	-0.0045	21	-34 24 0.44	-0.053	21	0.43	18.969	22	32.4	59.50	21	32.4	K0	C7	6724	C -34 8792
36	10.3	10.3W	15 27.580	-0.0038	21	-32 24 40.37	-0.039	21	0.43	27.647	22	32.4	39.68	21	32.4	F5 L	C7	6725	C -32 9271
37	9.4	9.6W	15 32.892	-0.0009	21	-34 9 7.41	-0.035	21	0.43	32.909	22	32.4	6.80	21	32.4	A2	C7	6726	C -33 8950
38	10.2	8.9W	15 34.842	0.0019	21	-34 20 8.37	-0.010	21	0.43	34.809	22	32.4	8.20	21	32.4	M L	C7	6727	C -33 8951
39	9.4	9.1W	15 35.366	-0.0009	13	-36 2 17.50	-0.040	13	0.26	35.380	15	35.4	16.92	21	35.4	G0	C8	6372	C -35 8582
40	9.8	9.6W	15 37.324	-0.0018	13	-37 2 9.66	-0.024	13	0.26	37.350	15	35.4	9.32	21	35.4	F5	C8	6373	C -36 8468
41	9.0	9.0W	15 42.181	-0.0006	13	-36 6 58.96	-0.010	13	0.26	42.189	15	35.4	58.82	21	35.4	A3	C8	6374	C -35 8584
42	10.1	8.9W	15 43.756	-0.0029	21	-31 50 33.27	-0.056	21	0.43	43.806	22	32.4	32.28	21	32.4	K5	C7	6728	C -3110233
43	10.5	9.4W	15 44.044	0.0001	13	-39 52 26.14	-0.050	13	0.26	44.042	15	35.4	25.42	21	35.4	K2	C8	6375	C -39 8168
44	10.1	9.5W	15 45.540	-0.0021	21	-31 52 1.66	-0.027	21	0.43	45.576	22	32.4	1.18	21	32.4	K0	C7	6729	C -3110234
45	9.7	9.0W	15 49.863	-0.0032	21	-32 49 39.54	-0.053	21	0.43	49.918	22	32.4	38.60	21	32.4	G5	C7	6730	C -32 9275
46	10.4	8.9W	15 51.722	-0.0026	13	-36 23 9.17	-0.004	13	0.26	51.759	15	35.4	9.12	21	35.4	K2	C8	6376	C -35 8586
47	10.7	9.6W	16 0.637	-0.0062	21	-34 13 6.97	-0.021	21	0.43	0.929	22	32.4	6.60	21	32.4		C7	6731	C -33 8959
48	10.3	9.6W	16 2.524	-0.0007	21	-31 45 48.67	-0.005	21	0.43	2.536	22	32.4	48.58	21	32.4	K0	C7	6732	C -3110236
49	9.9	9.9W	16 11.215	-0.0013	21	-35 1 3.01	-0.029	21	0.43	11.258	22	32.4	2.51	21	32.4	A5	C7	6733	C -34 8802
50	10.6		16 14.442	-0.0156	13	-35 50 22.15	0.093	13	0.26	14.669	15	35.4	23.52	21	35.4	F8	C8	6377	C -35 8592
51	8.6	8.6W	13 16 15.748	-0.0010	13	-39 53 58.89	-0.026	13	0.26	15.762	15	35.4	58.52	21	35.4	A2	C8	6378	C -39 8177
52	8.9	8.7W	16 17.561	0.0021	09	-37 24 17.79	-0.012	09	0.22	17.530	15	35.4	17.62	21	35.4	F5	C8	6379	C -37 8520
53	9.9	9.1W	16 18.748	0.0033	21	-34 19 21.27	-0.044	21	0.43	18.689	22	32.4	20.50	21	32.4	K0	C7	6734	C -33 8963
54	10.2	10.0W	16 21.175	-0.0024	21	-31 45 23.88	-0.011	21	0.43	21.217	22	32.4	23.68	21	32.4	F2 L	C7	6735	C -3110239
55	8.8	8.0W	16 29.353	-0.0013	21	-30 37 25.73	0.047	21	0.43	29.376	22	32.4	26.56	21	32.4	K0	C7	6736	C -3010485
56	9.8	8.9W	16 40.313	-0.0005	13	-36 44 23.16	-0.002	13	0.26	40.320	15	35.4	23.12	21	35.4	K0	C8	6380	C -36 8481
57	10.9		16 47.560	-0.0013	18	-35 35 53.87	-0.031	18	0.32	47.579	15	35.4	53.42	21	35.4	F2 L	C8	6381	C -35 8599
58	9.8	9.6W	16 50.156	0.0004	21	-33 14 32.37	0.002	21	0.43	50.148	22	32.4	32.39	21	32.4	F2	C7	6737	C -32 9283
59		7.9R	16 56.209	0.0008	20	-30 4 12.77	-0.024	20	0.36	56.196	16	33.4	12.38	16	33.4	B8 J	13B	8467	J -2910263
60	9.2	9.1W	16 58.798	0.0005	21	-34 35 4.16	-0.009	21	0.43	58.790	22	32.4	4.01	21	32.4	F2	C7	6738	C -34 8804
61	10.0	9.0W	17 10.490	-0.0034	13	-36 2 53.89	0.015	13	0.26	10.539	15	35.4	54.12	21	35.4	K0	C8	6383	C -35 8608
62	10.4	9.6W	17 13.255	-0.0017	23	-36 14 11.52	-0.055	23	0.38	13.279	15	35.4	10.72	21	35.4	K0	C8	6384	C -35 8609
63	9.6	8.5W	17 15.947	-0.0012	21	-34 19 1.97	-0.016	21	0.43	15.969	22	32.4	1.70	21	32.4	K2	C7	6739	C -33 8976
64			17 18.295	0.0024	13	-36 31 52.49	-0.012	13	0.26	18.260	15	35.4	52.32	21	35.4	K0 L	C8	6385	C -36 8492
65	10.0	9.7W	17 22.696	-0.0016	13	-35 57 27.93	-0.001	13	0.26	22.719	15	35.4	27.92	21	35.4	F5	C8	6386	C -35 8610
66	9.7	9.4W	17 23.446	-0.0017	18	-39 14 44.22	-0.007	18	0.32	23.471	15	35.4	44.12	21	35.4	F8	C8	6387	C -38 8431
67		9.8W	17 37.173	-0.0020	21	-34 20 49.36	-0.021	21	0.43	37.209	22	32.4	49.00	21	32.4	K	C7	6740	C -33 8981
68	10.6	9.5W	17 37.986	-0.0013	21	-32 45 17.25	-0.020	21	0.43	37.988	22	32.4	16.89	21	32.4	K5 L	C7	6741	C -32 9295
69	9.1	7.7W	17 41.356	-0.0013	21	-33 23 45.37	-0.004	21	0.43	41.378	22	32.4	45.30	21	32.4	K5	C7	6742	C -33 8983
70	10.3	9.2W	17 41.693	-0.0009	21	-33 9 47.11	-0.023	21	0.43	41.708	22	32.4	46.70	21	32.4	K5	C7	6743	C -32 9296
71		2.9H	17 46.683	-0.0282	02	-36 26 56.87	-0.089	02	0.09	47.781	05	11.0	53.55	04	12.6	A2	F4	496	C -36 8497
72	9.5	9.4W	17 51.821	-0.0040	13	-35 35 27.77	-0.011	13	0.26	51.879	15	35.4	27.62	21	35.4	F0	C8	6389	C -35 8614
73			17 56.112	-0.0054	18	-37 44 57.83	0.027	18	0.32	56.190	15	35.4	58.22	21	35.4	G2 L	C8	6390	C -37 8547
74		8.8T	18 17.159	0.0009	20	-39 42 50.97	-0.031	17	0.87	17.119	24	05.4	49.51	22	02.8	K5	GC	18054	C -39 8199
75	10.1	8.9W	18 20.074	-0.0053	13	-39 29 2.82	-0.055	13	0.26	20.151	15	35.4	2.02	21	35.4	K0	C8	6395	C -39 8201
76		9.5Y	18 21.668	0.0029	21	-31 47 32.54	0.099	21	0.43	21.617	22	32.4	34.28	21	32.4	G0 L	C7	6744	C -3110271
77	9.9	9.5W	18 24.593	-0.0059	21	-31 58 49.04	-0.100	21	0.43	24.697	22	32.4	47.28	21	32.4	G0	C7	6745	C -3110272
78		7.4T	18 30.030	-0.0002	14	-39 43 42.42	-0.027	12	0.69	30.040	21	01.8	41.03	19	98.7	B9	GC	18059	C -39 8202
79	10.0	9.6W	18 34.117	-0.0017	21	-31 57 14.04	-0.066	21	0.43	34.147	22	32.4	12.88	21	32.4	G0	C7	6746	C -3110275
80	9.2	9.0W	18 35.526	-0.0041	21	-33 42 37.77	-0.027	21	0.43	35.599	22	32.4	37.30	21	32.4	F8	C7	6747	C -33 8995
81	10.2	9.1W	18 36.623	0.0015	21	-31 58 57.58	0.017	21	0.43	36.596	22	32.4	57.88	21	32.4	K5	C7	6748	C -3110276
82	10.5	9.6W	18 37.339	0.0013	13	-36 55 8.26	-0.002	13	0.26	37.320	15	35.4	8.22	21	35.4	K0	C8	6398	C -36 8507
83	10.6	9.5W	18 38.145	0.0011	21	-30 15 30.58	0.026	21	0.43	38.125	22	32.4	51.04	21	32.4	K5 L	C7	6749	C -2910277
84		9.9W	18 39.301	-0.0046	13	-35 14 35.28	0.010	13	0.26	39.369	15	35.4	35.42	21	35.4	K0 L	C8	6400	C -34 8823
85	9.5	8.0W	18 48.327	0.0012	13	-36 17 14.59	0.015	13	0.26	48.309	15	35.4	14.82	21	35.4	K2	C8	6404	C -35 8631
86	10.4	9.6W	18 49.098	-0.0010	21	-30 56 2.50	-0.127	21	0.43	49.116	22	32.4	0.26	21	32.4	K5	C7	6750	C -3011516
87	8.8	8.2W	18 51.479	-0.0006	21	-34 38 7.91	0.000	21	0.43	51.490	22	32.4	7.91	21	32.4	K0	C7	6751	C -34 8828
88		9.6W	18 52.721	-0.0010	21	-33 12 24.29	-0.005	21	0.43	52.738	22	32.4	24.20	21	32.4	G5 L	C7	6752	C -32 9308
89	9.1	8.8W	18 54.574	-0.0642	18	-39 3 3.84	-0.094	18	0.32	55.511	15	35.4	5.22	21	35.4	F5	C8	6405	C -38 8457
90		7.4T	18 59.563	-0.0061	12	-35 51 1.42	-0.015	10	0.58	59.866	17	99.9	0.64	15	97.8	F0	GC	18074	C -35 8636
91	10.4	9.5W	19 1.439	-0.0056	13	-36 51 22.06	-0.044	13	0.26	1.520	15	35.4	21.42	21	35.4	G5	C8	6407	C -36 8511
92		9.4W	19 2.511	-0.0026	13	-35 44 51.06	-0.044	13	0.26	2.549	15	35.4	50.42	21	35.4		C8	6408	C -35 8637
93		7.1T	19 5.141	-0.0064	12	-38 35 33.70	-0.086	10	0.61	5.472	21	98.2	28.92	19	94.5	G0	GC	18076	C -38 8461
94	9.5	9.4W	19 6.690	-0.0015	21	-32 8 15.87	-0.062	21	0.43	6.717	22	32.4	14.78	21	32.4	F5	C7	6753	C -3110284
95	10.3	10.2W	19 7.492	-0.0007	21	-30 11 44.24	0.028	21	0.43	7.505	22	32.4	44.74	21	32.4	G0 L	C7	6754	C -2910287
96	10.4	9.5W	19 11.113	0.0002	13	-37 57 16.52	-0.069	13	0.26	11.110	15	35.4	15.52	21	35.4	K2	C8	6410	C+-37 8561
97	9.6	9.4W	19 22.425	-0.0029	21	-31 24 28.88	-0.041	21	0.43	22.476	22	32.4	28.16	21	32.4	G0	C7	6755	C -3110287
98	9.4	8.6W	19 23.871	-0.0012	13	-35 26 10.72	-0.007	13	0.26	23.888	15	35.4	10.62	21	35.4	G5	C8	6413	C -35 8645
99	9.9	9.0W	19 24.568	-0.0063	18	-37 36 6.17	-0.031	18	0.32	24.660	15	35.4	5.72	21	35.4	G5	C8	6414	C -37 8566
00	9.4	9.2W	19 29.595	-0.0052	13	-38 13 47.21	-0.068	13	0.26	29.670	15	35.4	46.22	21	35.4	F2	C8	6416	C -37 8567

204400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.3	10.2W	13 19 30.574	-0.0053	21	-32 7 25.07	-0.113	21	0.43	30.667	22	32.4	23.08	21	32.4		C7	6756	C -3110288
2	9.8	9.1W	19 32.134	-0.0003	21	-33 23 10.20	-0.011	21	0.43	32.138	22	32.4	10.00	21	32.4	K0	C7	6757	C -32 9315
3	9.6	8.3W	19 32.261	0.0008	21	-32 6 11.62	-0.025	21	0.43	32.247	22	32.4	11.18	21	32.4	K5	C7	6758	C -3110290
4	9.5	8.7W	19 34.771	-0.0038	21	-33 41 24.96	-0.021	21	0.43	34.839	22	32.4	24.60	21	32.4	K0	C7	6759	C -33 9002
5	9.5	8.7W	19 39.945	-0.0006	21	-30 32 45.44	0.007	21	0.43	39.956	22	32.4	45.56	21	32.4	K2	C7	6760	C -3010521
6	9.8	9.9W	19 40.235	-0.0039	13	-39 42 10.80	-0.033	13	0.26	40.292	15	35.4	10.32	21	35.4	A3	C8	6417	C -39 8211
7		10.0W	19 51.602	0.0001	21	-33 41 55.53	-0.002	21	0.43	51.599	22	32.4	55.50	21	32.4	K0 L	C7	6761	C -33 9003
8	10.2	10.0W	19 51.793	-0.0009	21	-34 56 40.35	-0.037	21	0.43	51.810	22	32.4	39.71	21	32.4	F8 L	C7	6762	C -34 8836
9	9.7	8.9W	19 52.085	-0.0031	21	-32 35 6.59	-0.045	21	0.43	52.138	22	32.4	5.80	21	32.4	K2	C7	6763	C -32 9320
10	10.5	9.8W	19 52.271	-0.0021	21	-34 3 27.86	0.002	21	0.43	52.309	22	32.4	27.90	21	32.4	K0 L	C7	6764	C -33 9004
11	9.4	9.3W	19 54.319	-0.0011	21	-33 25 5.29	-0.073	21	0.43	54.338	22	32.4	3.99	21	32.4	F2	C7	6765	C -33 9005
12	10.0	8.7W	19 55.471	-0.0010	21	-34 30 48.68	-0.010	21	0.43	55.490	22	32.4	48.51	21	32.4	K5	C7	6766	C -34 8837
13	10.3	10.1W	20 0.632	0.0001	21	-34 19 45.98	-0.079	21	0.43	0.629	22	32.4	44.60	21	32.4	G2 L	C7	6767	C -33 9006
14	10.7		20 1.111	-0.0046	13	-35 21 28.96	0.072	13	0.26	1.179	15	35.4	30.02	21	35.4	F5 L	C8	6419	C -34 8839
15	10.3	9.1W	20 5.457	-0.0018	21	-34 40 8.15	0.032	21	0.43	5.490	22	32.4	8.71	21	32.4	K5	C7	6768	C -34 8840
16	9.7	9.6W	20 9.361	-0.0048	21	-30 17 52.24	0.005	21	0.43	9.445	22	32.4	52.34	21	32.4	A5	C7	6769	C -2910296
17	9.7	8.4W	20 10.701	-0.0040	13	-36 9 10.15	-0.023	13	0.26	10.759	15	35.4	9.82	21	35.4	K2	C8	6420	C -35 8658
18	9.7		20 14.883	-0.0038	13	-35 24 15.56	-0.002	13	0.26	14.939	15	35.4	15.52	21	35.4	A0	C8	6421	C -35 8659
19	9.6	9.1W	20 18.854	-0.0107	09	-38 18 38.05	0.018	09	0.22	19.010	15	35.4	38.32	21	35.4	G5	C8	6422	C -37 8580
20		6.3T	20 19.786	-0.0005	12	-32 55 44.80	-0.009	12	0.63	19.812	18	98.7	44.34	18	98.0	M0	GC	18103	C -32 9322
21	10.1	9.9W	20 22.280	0.0024	21	-34 9 59.95	-0.043	21	0.43	22.239	22	32.4	59.20	21	32.4	G2 L	C7	6771	C -33 9011
22	10.5	9.6W	20 28.388	-0.0004	21	-30 6 2.22	0.012	21	0.43	28.395	22	32.4	2.44	21	32.4	K0 L	C7	6772	C -2910302
23		7.4T	20 30.250	-0.0025	13	-39 21 59.73	0.019	11	0.64	30.375	21	00.1	0.76	18	95.9	A2	GC	18105	C*-38 8474
24	9.9	9.3W	20 42.026	-0.0017	09	-37 18 9.84	-0.084	09	0.22	42.050	15	35.4	8.62	21	35.4	G5	C8	6424	C -36 8529
25	10.3		20 51.501	-0.0020	13	-36 36 35.78	-0.039	13	0.26	51.530	15	35.4	35.22	21	35.4	F8	C8	6425	C -36 8530
26	10.1	8.8W	20 57.590	0.0000	13	-38 6 57.06	-0.031	13	0.26	57.590	15	35.4	56.62	21	35.4	K2	C8	6426	C -37 8588
27	10.2	9.1W	21 1.217	-0.0002	13	-36 45 46.19	-0.026	13	0.26	1.220	15	35.4	45.82	21	35.4	K0	C8	6427	C*-36 8532
28	8.8	9.2W	21 12.921	-0.0005	13	-35 17 42.73	-0.007	13	0.26	12.929	15	35.4	42.62	21	35.4	A0	C8	6430	C -34 8851
29	9.9	8.4W	21 22.536	-0.0016	13	-35 58 58.00	-0.013	13	0.26	22.559	15	35.4	57.82	21	35.4	MA	C8	6432	C -35 8672
30	9.8	9.1W	21 26.681	-0.0027	13	-37 1 23.38	-0.018	13	0.26	26.720	15	35.4	23.12	21	35.4	G5	C8	6433	C -36 8539
31		7.3T	21 30.849	-0.0003	13	-37 46 21.85	-0.001	12	0.68	30.863	19	01.8	21.80	22	95.4	K5	GC	18125	C -37 8596
32		10.2W	21 32.666	-0.0017	21	-31 19 7.59	-0.002	21	0.43	32.696	22	32.4	7.56	21	32.4		C7	6773	C -3010544
33	10.5	10.1W	21 37.224	-0.0024	21	-32 14 18.46	-0.027	21	0.43	37.267	22	32.4	17.98	21	32.4	G5 L	C7	6774	C -3110316
34	10.3	10.1W	21 41.588	0.0007	21	-30 10 23.25	-0.007	21	0.43	41.575	22	32.4	23.14	21	32.4	G2 L	C7	6775	C -2910315
35	10.5	10.2W	21 49.279	-0.0084	21	-32 15 45.35	-0.038	21	0.43	49.427	22	32.4	44.68	21	32.4	G0 L	C7	6776	C -3110320
36	9.5	8.7W	21 50.530	-0.0016	21	-34 10 32.73	-0.019	21	0.43	50.559	22	32.4	32.40	21	32.4	K0	C7	6777	C -33 9018
37	8.9	8.0W	21 53.426	-0.0012	21	-32 24 32.73	-0.014	21	0.43	53.446	22	32.4	32.48	21	32.4	K0	C7	6778	C -32 9336
38		7.9T	21 57.972	-0.0007	15	-34 22 33.69	-0.043	12	0.73	58.006	18	00.0	31.42	17	97.1	G5	GC	18137K	C*-33 9020
39		7.5T	21 58.394	-0.0013	12	-34 1 47.52	-0.014	10	0.61	58.458	17	00.5	46.79	18	97.4	A3	GC	18138	C -33 9021
40		10.2W	21 59.021	0.0064	21	-33 36 23.05	-0.066	21	0.43	58.909	22	32.4	21.90	21	32.4	K0 L	C7	6781	C -33 9022
41	9.8	8.5W	22 0.086	0.0004	21	-33 11 20.13	-0.047	21	0.43	0.078	22	32.4	19.30	21	32.4	K5	C7	6782	C -32 9339
42	10.0	8.9W	2.074	0.0003	13	-35 31 43.10	-0.013	13	0.26	2.070	15	35.4	42.92	21	35.4	K2	C8	6437	C -35 8677
43	9.7	9.4W	2.193	0.0049	18	-38 36 24.25	0.011	18	0.32	2.121	15	35.4	24.42	21	35.4	G0	C8	6438	C -38 8495
44	10.2	9.9W	3.260	-0.0192	13	-37 43 17.13	-0.083	13	0.26	3.540	15	35.4	15.92	21	35.4	G5	C8	6439	C -37 8604
45	7.8	7.8W	7.974	-0.0032	13	-36 46 32.58	-0.032	13	0.26	8.020	15	35.4	32.12	21	35.4	F0	C8	6440	C -36 8548
46	9.9	9.3W	22 8.055	0.0015	21	-33 51 15.95	-0.019	21	0.43	8.029	22	32.4	15.60	21	32.4	K0	C7	6783	C -33 9024
47	10.1	9.2W	16.854	0.0030	18	-38 12 16.98	-0.005	18	0.32	16.810	15	35.4	16.92	21	35.4	G	C8	6442	C -37 8607
48	9.5	9.6W	19.549	-0.0015	21	-30 7 17.55	-0.007	21	0.43	19.575	22	32.4	17.44	21	32.4	A3	C7	6784	C -2910318
49	9.6	8.2W	20.578	-0.0015	13	-37 39 59.28	-0.066	13	0.26	20.600	15	35.4	58.32	21	35.4	K5	C8	6443	C -37 8608
50	10.3	9.4W	21.059	-0.0227	13	-37 31 46.33	-0.015	13	0.26	21.390	15	35.4	46.12	21	35.4	K5	C8	6444	C -37 8609
51	8.7	8.3W	13 22 22.328	0.0041	21	-30 56 16.69	-0.064	21	0.43	22.256	22	32.4	15.56	21	32.4	G5	C7	6785	C -3010556
52	8.1	8.3W	22.257	0.0001	21	-30 7 1.04	-0.029	21	0.43	25.225	22	32.4	0.54	21	32.4	A0	C7	6786	C -2910319
53		9.3R	34.852	0.0002	20	-30 5 37.14	-0.015	20	0.36	34.849	16	33.4	36.88	16	33.4	K2 M	138	8510	J -2910323
54	9.5	9.0W	36.348	-0.0008	13	-36 0 19.91	0.000	13	0.26	38.359	15	35.4	19.92	21	35.4	G5	C8	6445	C -35 8686
55	10.0	9.6W	41.676	-0.0016	13	-36 19 50.62	0.013	13	0.26	41.699	15	35.4	50.82	21	35.4	F2	C8	6446	C -35 8687
56		10.3W	22 42.911	-0.0026	21	-32 12 45.80	-0.143	21	0.43	42.957	22	32.4	43.28	21	32.4	G5 L	C7	6787	C -3110333
57	10.2	9.5W	43.820	-0.0076	13	-37 23 39.77	-0.086	13	0.26	43.930	15	35.4	38.52	21	35.4	G5	C8	6447	C -37 8616
58	10.9		49.638	0.0012	13	-37 8 26.53	-0.029	13	0.26	49.620	15	35.4	26.12	21	35.4	F8 L	C8	6448	C -36 8558
59		9.8W	51.751	-0.0031	21	-31 29 24.69	-0.002	21	0.43	51.806	22	32.4	24.66	21	32.4		C7	6788	C -3110336
60	10.3	9.1W	52.350	-0.0005	21	-32 56 4.74	-0.048	21	0.43	52.358	22	32.4	3.89	21	32.4	K5	C7	6789	C -32 9347
61	10.3	9.2W	23 2.478	-0.0006	21	-33 47 9.52	-0.036	21	0.43	2.489	22	32.4	8.90	21	32.4	K5	C7	6790	C -33 9031
62		7.1T	7.474	-0.0003	15	-34 48 57.74	-0.010	11	0.67	7.489	18	01.5	57.21	18	96.8	K5	GC	18152	C -34 8869
63	10.2	9.4W	7.974	-0.0011	18	-36 17 15.65	-0.036	18	0.32	7.990	15	35.4	15.12	21	35.4	K5	C8	6449	C -35 8694
64	9.8	9.6W	9.215	-0.0071	21	-34 12 24.84	-0.053	21	0.43	9.339	22	32.4	23.90	21	32.4	F8	C7	6792	C -33 9033
65		5.2T	23 13.233	0.0159	06	-39 29 41.23	-0.062	04	0.23	12.621	09	11.5	38.53	09	06.5	K0	GC	18153	C*-39 8246
66	9.8	9.6W	23 15.317	-0.0041	21	-32 51 5.49	-0.005	21	0.43	15.388	22	32.4	5.40	21	32.4	G0	C7	6793	C -32 9352
67	9.0	9.0W	17.932	-0.0006	13	-36 58 12.17	-0.038	13	0.26	17.940	15	35.4	11.62	21	35.4	A5	C8	6451	C -36 8565
68	10.6	9.6W	19.093	-0.0011	13	-35 50 37.25	-0.071	13	0.26	19.109	15	35.4	36.22	21	35.4	K2 L	C8	6452	C -35 8695
69		6.9T	19.127	-0.0049	15	-32 17 14.71	-0.021	12	0.69	19.364	17	01.8	13.64	18	98.3	F0	GC	18159K	C*-3110339
70	10.0	9.7W	21.618	-0.0023	21	-35 2 53.01	-0.080	21	0.43	21.658	22	32.4	51.61	21	32.4	F8 L	C7	6795	C -34 8873
71		9.6W	23 21.731	-0.0054	21	-31 10 14.84	-0.027	21	0.43	21.826	22	32.4	14.36	21	32.4		C7	6796	C -3010565
72	10.6	9.6W	29.300	-0.0028	18	-38 24 37.00	-0.006	18	0.32	29.340	15	35.4	36.92	21	35.4	K0 L	C8	6454	C -38 8515
73	10.1	9.8W	30.655	-0.0059	21	-32 38 5.60	-0.091	21	0.43	30.758	22	32.4	4.00	21	32.4	F8 L	C7	6797	C -32 9354
74	10.3	9.7W	30.714	-0.0035	21	-31 15 26.12	-0.009	21	0.43	30.776	22	32.4	25.96	21	32.4	K0 L	C7	6798	C -3010568
75		7.0T	23 36.538	-0.0021	15	-33 44 54.34	-0.204	11	0.69	36.640	18	01.0	43.73	18	98.0	G5	GC	18162	C -33 9040
76	9.7	9.0W	23 38.349	-0.0038	21	-30 56 3.30	-0.042	21	0.43	38.416	22	32.4	2.56	21	32.4	K5	C7	6800	C -3010569
77		10.0W	23 46.752	-0.0040	18	-37 57 58.12	0.027	18	0.32	46.810	15	35.4	58.52	21	35.4	K0 L	C8	6455	C -37 8628
78	9.1	8.3W	23 47.161	-0.0003	21	-31 11 27.03	-0.021	21	0.43	47.166	22	32.4	26.66	21	32.4	K2	C7	6801	C -3010571
79	9.6	9.4W	23 50.467	0.0010	21	-34 39 18.04	-0.059	21	0.43	50.450	22	32.4	17.01	21	32.4	F8	C7	6802	C -34 8875
80	10.5	9.7W	23 52.910	0.0032	21	-30 23 20.58	0.020	21	0.43	52.855	22	32.4	20.94	21	32.4	K2	C7	6803	C -2910335
81	10.5	10.2W	23 58.607	-0.0015	21	-30 9 40.54	0.017	21	0.43	58.635	22	32.4	40.84	21	32.4	G5 L	C7	6804	C -2910337
82	8.2	8.6W	24 10.578	-0.0007	13	-35 21 34.73	-0.007	13	0.26	10.589	15	35.4	34.62	21	35.4	B9	C8	6456	C -34 8881
83		6.5T	20.481	-0.0008	17	-39 54 14.01	-0.007	13	0.77	20.519	18	02.4	13.65	21	97.9	K0	GC	18176K	C -39 8260
84	8.5	8.7W	24 23.034	-0.0004	06	-36 22 8.76	-0.010	06	0.20	23.039	15	35.4	8.62	21	35.4	A2	C8	6458	C -35 8710
85	9.0	8.9W	24 27.384	-0.0018	21	-32 28 27.51	-0.018	21	0.44	27.416	22	31.9	27.18	21	31.9	F0	C7	6805	C -32 9363
86	9.8	9.6W	24 35.928	-0.0115	21	-30 46 46.96	0.000	21	0.44	36.136	22	31.9	46.96	21	31.9	F5	C7	6806	C -3010578
87	10.1	9.7W	24 36.739	-0.0059	21	-30 28 48.17	0.009	21	0.44	36.845	22	31.9	48.34	21	31.9	K0	C7	6807	C -3010579
88	10.5	10.0W	24 41.214	-0.0011	13	-37 17 17.43	-0.015	13	0.26	41.230	15	35.4	17.22	21	35.4	A5 L	C8	6460	C -36 8580
89	10.2	9.2W	24 41.597	-0.0044	18	-39 14 18.49	-0.026	18	0.32	41.661	15	35.4	18.12	21	35.4	K0	C8	6461	C -38 8532
90	10.7	9.9W	24 42.792	-0.0040	13	-36 38 43.23	-0.063	13	0.26	42.850	15	35.4	42.32	21	35.4	K1 L	C8	6462	C -36 8581
91	9.3	9.1W	24 50.160	0.0001	21	-35 4 30.23	-0.029	21	0.44	50.158	22	31.9	29.71	21	31.9	F2	C7	6808	C -34 8892
92	9.9	9.1W	24 51.684	-0.0003	21	-34 51 53.96	-0.020	21	0.44	51.690	22	31.9	53.61	21	31.9	K0	C7	6809	C -34 8893
93	8.5	8.4W	24 57.072	-0.0096	21	-30 31 33.67	0.049	21	0.44	57.246	22	31.9	34.56	21	31.9	F8	C7	6810	C -3010583
94	9.8	9.0W	25 3.787	0.0012	13	-35 39 50.30	-0.088	13	0.26	3.769	15	35.4	49.02	21	35.4	G5	C8	6465	C -35 8717
95	8.8	8.6W	25 5.311	-0.0046	13	-35 24 36.72	-0.014	13	0.26	5.379	15	35.4	36.52	21	35.4	F2	C8	6466	C -35 8718
96	10.7	9.3W	25 6.074	-0.0046	13	-39 1 56.92	-0.035	13	0.26	6.141	15	35.4	56.42	21	35.4	K5	C8	6467	C -38 8536
97	10.5	9.1W	25 10.653	0.0009	18	-37 38 17.78	-0.005	18	0.32	10.640	15	35.4	17.72	21	35.4	K2 L	C8	6468	C -37 8646
98	8.0	8.5W	25 14.977	-0.0029	21	-33 1 2.29	0.001	21	0.44	15.028	22	31.9	2.30	21	31.9	A0	C7	6811	C -32 9376
99	10.9	9.8W	25 21.390	-0.0025	21	-30 27 40.60	-0.037	21	0.44	21.435	22	31.9	39.94	21	31.9		C7	6812	C -3010590
00	8.4	8.1W	25 24.387	-0.0071	21	-31 17 36.96	-0.028	21	0.44	24.516	22	31.9	36.46	21	31.9	F5	C7	6813	C -3010591

204500			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 13H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	8.5	8.2W	13 25 24.625	0.0053	21	-33 26 47.51	-0.100	21	0.44	24.528	22	31.9	45.69	21	31.9	GO	C7	6814	C -33 9064		
2	10.6	9.5W	25 32.062	-0.0008	21	-32 10 56.14	-0.042	21	0.44	32.077	22	31.9	55.38	21	31.9		C7	6815	C -3110378		
3	9.9	9.6W	25 35.450	-0.0042	13	-38 52 0.81	-0.041	13	0.26	35.511	15	35.4	0.22	21	35.4	A0	C8	6469	C -38 8546		
4	10.0	8.9W	25 40.659	-0.0020	13	-35 27 22.91	-0.041	13	0.26	40.689	15	35.4	22.32	21	35.4	K5	C8	6470	C -35 8726		
5	8.8	8.6W	25 45.013	-0.0042	21	-33 13 23.64	-0.057	21	0.44	45.088	22	31.9	22.60	21	31.9	F8	C7	6816	C -32 9382		
6	10.8	10.0W	25 49.638	-0.0139	18	-36 44 37.74	-0.091	18	0.32	49.840	15	35.4	36.42	21	35.4	K0 L	C8	6471	C -36 8596		
7	9.8	9.0W	25 50.550	-0.0044	21	-34 56 3.72	-0.045	21	0.44	50.630	22	31.9	2.91	21	31.9	A2	C7	6817	C -34 8905		
8	10.0	9.9W	25 58.494	-0.0051	21	-31 14 12.88	0.076	21	0.44	58.586	22	31.9	14.26	21	31.9	F8	C7	6818	C -3010598		
9	10.4	9.6W	26 3.344	-0.0018	21	-32 7 1.41	-0.051	21	0.44	3.376	22	31.9	0.48	21	31.9	K2 L	C7	6819	C -3110385		
10	10.5	9.8W	26 8.140	-0.0034	13	-36 19 23.95	0.004	13	0.26	8.190	15	35.4	24.02	21	35.4	G8 L	C8	6472	C -35 8732		
11	9.5	8.0W	26 9.623	0.0004	21	-30 47 7.70	-0.008	21	0.44	9.616	22	31.9	7.56	21	31.9	K5	C7	6820	C -3010601		
12	8.5	7.7W	26 14.911	-0.0040	13	-35 30 59.47	-0.004	13	0.26	14.969	15	35.4	59.42	21	35.4	K0	C8	6473	C -35 8733		
13	10.7	9.9W	26 17.127	-0.0044	21	-32 2 31.62	-0.024	21	0.44	17.207	22	31.9	31.18	21	31.9	K0 L	C7	6821	C -3110390		
14	9.2	9.1W	26 19.971	0.0007	21	-34 2 16.16	-0.058	21	0.44	19.959	22	31.9	17.10	21	31.9	F0	C7	6822	C -33 9080		
15	10.5	9.7W	26 23.030	-0.0014	21	-31 22 37.78	-0.034	21	0.44	23.036	22	31.9	37.16	21	31.9	G2 L	C7	6823	C -3010603		
16	9.8	9.0W	26 29.997	-0.0001	21	-34 35 47.18	-0.032	21	0.44	30.000	22	31.9	46.61	21	31.9	K0	C7	6824	C -34 8911		
17	7.7	7.4W	26 30.362	-0.0169	05	-35 18 42.05	-0.071	05	0.20	30.609	15	35.4	41.02	21	35.4	G5	C8	6475	C -34 8913		
18	9.5	8.7W	26 35.317	-0.0044	13	-39 24 44.98	-0.032	13	0.26	35.381	15	35.4	44.52	21	35.4	K0	C8	6476	C -39 8281		
19		9.2T	26 43.101	0.0007	12	-37 18 6.07	-0.029	10	0.62	43.067	22	00.9	4.54	21	97.1	G5	GC	18231	C -36 8607		
20	10.5	8.9W	26 45.097	0.0011	16	-39 20 48.86	-0.002	16	0.30	45.081	15	35.4	48.82	21	35.4	K5	C8	6478	C -38 8564		
21	9.5	9.4W	26 45.392	0.0001	18	-38 27 49.16	-0.024	18	0.32	45.390	15	35.4	48.82	21	35.4	A0	C8	6479	C -38 8566		
22	9.6	9.1W	26 47.594	-0.0032	18	-38 15 11.02	-0.014	18	0.32	47.640	15	35.4	10.82	21	35.4	F8	C8	6480	C -37 8661		
23	9.6	8.6W	26 52.691	-0.0036	21	-31 7 48.45	-0.049	21	0.44	52.756	22	31.9	47.56	21	31.9	K2	C7	6825	C -3010611		
24	10.4	9.9W	26 57.519	-0.0126	21	-32 4 32.88	-0.063	21	0.44	57.747	22	31.9	31.38	21	31.9	K0 L	C7	6826	C -3110403		
25	10.0	10.0W	27 5.213	-0.0030	21	-31 33 40.04	0.030	21	0.44	5.267	22	31.9	40.58	21	31.9	G0	C7	6827	C -3110407		
26	9.6	8.6W	27 5.996	-0.0046	21	-32 35 52.86	-0.031	21	0.44	6.078	22	31.9	52.30	21	31.9	K2	C7	6828	C -32 9404		
27	10.5	9.6W	27 9.607	0.0006	21	-31 17 12.33	-0.037	21	0.44	9.596	22	31.9	11.66	21	31.9	K2	C7	6829	C -3010615		
28	9.0	8.2W	27 10.907	-0.0171	21	-31 55 52.27	-0.016	21	0.44	11.216	22	31.9	51.98	21	31.9	F8	C7	6830	C -3110408		
29		10.5W	27 13.017	0.0021	21	-33 24 48.38	-0.032	21	0.44	12.978	22	31.9	47.79	21	31.9		C7	6831	C -33 9092		
30	10.6	9.3W	27 15.719	-0.0022	21	-32 45 24.79	-0.038	21	0.44	15.758	22	31.9	24.10	21	31.9	K L	C7	6832	C -32 9406		
31	10.1	10.0W	27 16.896	-0.0101	21	-32 42 36.52	-0.056	21	0.44	17.078	22	31.9	35.49	21	31.9		C7	6833	C -32 9408		
32	10.6	10.4W	27 18.582	0.0036	21	-32 3 55.76	0.018	21	0.44	18.517	22	31.9	56.08	21	31.9		C7	6834	C -3110410		
33	9.9	9.7W	27 21.268	-0.0048	13	-36 8 59.48	0.002	13	0.26	21.339	15	35.4	59.52	21	35.4	F0	C8	6481	C -35 8746		
34	10.5	9.9W	27 22.362	-0.0024	21	-31 29 12.43	-0.059	21	0.44	22.426	22	31.9	11.36	21	31.9	G5 L	C7	6835	C -3110413		
35	10.1	9.5W	27 24.129	-0.0014	13	-35 56 15.18	-0.046	13	0.26	24.149	15	35.4	14.52	21	35.4	G5	C8	6482	C -35 8747		
36	10.0	9.3W	27 25.646	-0.0007	21	-34 54 4.71	-0.006	21	0.44	25.660	22	31.9	4.61	21	31.9	K0	C7	6836	C -34 8930		
37	9.2	8.3W	27 28.069	-0.0008	13	-36 39 30.00	-0.033	13	0.26	28.080	15	35.4	29.52	21	35.4	K2	C8	6483	C -36 8617		
38	9.0	8.9W	27 34.304	-0.0036	21	-33 4 22.76	-0.020	21	0.44	34.368	22	31.9	22.40	21	31.9	A2	C7	6837	C -32 9410		
39	10.4	9.3W	27 35.956	-0.0009	13	-36 24 7.81	-0.034	13	0.26	35.969	15	35.4	7.32	21	35.4	K0 L	C8	6484	C -36 8623		
40	7.7	8.0W	27 44.276	-0.0045	13	-36 37 28.55	-0.063	13	0.26	44.341	15	35.4	27.62	21	35.4	A0	C8	6485	C -38 8579		
41	9.8	8.1W	28 0.236	-0.0031	08	-39 18 25.65	-0.023	08	0.22	0.281	15	35.4	25.32	21	35.4	K5	C8	6486	C -38 8587		
42	9.4	8.2W	28 1.464	-0.0019	21	-33 49 54.03	-0.024	21	0.44	1.499	22	31.9	53.60	21	31.9	K5	C7	6838	C -33 9104		
43	9.1	8.8W	28 2.304	-0.0024	13	-35 54 41.75	-0.057	13	0.26	2.339	15	35.4	41.92	21	35.4	F0	C8	6487	C -35 8755		
44	10.0	9.9W	28 5.517	-0.0029	13	-35 41 31.07	0.003	13	0.26	5.559	15	35.4	31.12	21	35.4	A0	C8	6488	C -35 8756		
45		4.0T	28 8.129	-0.0012	03	-39 8 59.17	-0.019	03	0.16	8.181	06	07.2	58.30	06	04.2	K0	GC	18254K	C* -38 8592		
46	10.0	8.8W	28 21.904	-0.0031	13	-36 25 46.08	-0.005	13	0.26	21.949	15	35.4	46.02	21	35.4	K5	C8	6490	C -36 8634		
47	10.8	10.0W	28 29.603	-0.0031	21	-32 43 0.19	-0.027	21	0.44	29.658	22	31.9	59.70	21	31.9	K0 L	C7	6839	C -32 9423		
48	9.4	9.4W	28 32.069	-0.0048	21	-31 4 15.25	0.017	21	0.44	32.156	22	31.9	15.56	21	31.9	F5	C7	6840	C -3010637		
49	10.5	9.9W	28 35.209	-0.0022	21	-32 34 54.47	-0.048	21	0.44	35.248	22	31.9	53.60	21	31.9	F2 L	C7	6841	C -32 9426		
50	10.8	10.1W	28 39.912	-0.0026	21	-32 55 23.28	-0.021	21	0.44	39.958	22	31.9	22.90	21	31.9	K0 L	C7	6842	C -32 9427		
51	9.0	8.8W	13 28 40.717	0.0012	13	-36 21 0.97	-0.045	13	0.26	40.699	15	35.4	0.32	21	35.4	F2	C8	6491	C -35 8766		
52		7.5T	28 44.716	-0.0065	10	-31 53 0.38	-0.036	08	0.51	45.046	18	99.4	-58.39	17	94.0	F0	GC	18276	C* -3110430		
53	10.5	9.1W	28 45.426	-0.0011	13	-37 20 9.32	-0.035	13	0.26	45.410	15	35.4	8.82	21	35.4	K2 L	C8	6492	C -36 8641		
54	9.7	9.5W	28 51.578	0.0083	21	-33 2 14.22	-0.106	21	0.44	51.428	22	31.9	12.31	21	31.9	F5	C7	6844	C -34 8948		
55	10.6	9.9W	28 55.519	-0.0049	21	-33 31 20.03	0.010	21	0.44	55.609	22	31.9	20.20	21	31.9	G5 L	C7	6845	C -33 9118		
56	9.3	8.9W	28 55.692	-0.0006	18	-37 13 27.18	-0.005	18	0.32	55.700	15	35.4	27.12	21	35.4	F8	C8	6493	C -36 8642		
57	11.1	9.9W	28 56.343	-0.0007	21	-31 17 34.78	0.010	21	0.44	56.356	22	31.9	34.96	21	31.9		C7	6846	C -3010644		
58	8.5	7.5W	28 58.834	0.0054	21	-30 47 54.92	-0.070	21	0.44	58.736	22	31.9	53.66	21	31.9	K0	C7	6847	C -3010645		
59	9.6	9.3W	29 6.456	0.0011	21	-31 20 19.06	0.083	21	0.44	6.436	22	31.9	20.56	21	31.9	G5	C7	6848	C -3010648		
60	10.2	9.6W	29 7.817	-0.0040	21	-33 53 54.31	-0.051	21	0.44	7.889	22	31.9	53.40	21	31.9	G5 L	C7	6849	C -33 9120		
61		6.3T	29 11.108	0.0028	14	-38 8 29.75	-0.048	10	0.66	10.972	22	01.6	27.15	21	95.7	K0	GC	18286	C -37 8695		
62	9.2	9.1W	29 13.177	-0.0044	21	-31 57 19.46	-0.010	21	0.44	13.257	22	31.9	19.28	21	31.9	F0	C7	6850	C -3110436		
63	10.7	9.5W	29 16.699	-0.0009	21	-30 12 41.89	-0.064	21	0.44	16.715	22	31.9	40.74	21	31.9	MA	C7	6851	C -2910411		
64	10.7	9.7W	29 18.737	-0.0023	13	-36 33 31.45	-0.009	13	0.26	18.770	15	35.4	31.32	21	35.4	G8 L	C8	6495	C -36 8647		
65	9.2	8.1W	29 24.201	-0.0043	21	-32 59 32.51	-0.039	21	0.44	24.278	22	31.9	31.79	21	31.9	K2	C7	6852	C -32 9432		
66	9.8	8.9W	29 27.943	-0.0064	21	-32 42 20.79	0.056	21	0.44	28.058	22	31.9	21.80	21	31.9	K2	C7	6853	C -32 9433		
67	10.4	9.9W	29 32.036	-0.0017	18	-38 58 35.71	0.007	18	0.32	32.061	15	35.4	35.82	21	35.4	F5 L	C8	6496	C -38 8612		
68	10.2	10.1W	29 34.103	-0.0080	21	-33 50 5.50	0.033	21	0.44	34.249	22	31.9	6.10	21	31.9	G0 L	C7	6854	C -33 9130		
69	9.1	7.7W	29 34.906	0.0005	21	-31 48 3.73	-0.030	21	0.44	34.897	22	31.9	3.18	21	31.9	K2	C7	6855	C -3110440		
70	10.5	10.1W	29 41.626	-0.0039	21	-32 7 58.68	-0.055	21	0.44	41.697	22	31.9	57.68	21	31.9	G2 L	C7	6856	C -3110441		
71	9.8	9.1W	29 42.911	-0.0010	21	-34 35 49.05	-0.058	21	0.44	42.930	22	31.9	48.01	21	31.9	K0	C7	6857	C -34 8956		
72	9.7	9.5W	29 42.971	0.0001	13	-36 29 17.45	-0.044	13	0.26	42.969	15	35.4	16.82	21	35.4	F5	C8	6497	C -36 8651		
73	10.3	10.0W	29 51.633	-0.0026	18	-37 34 47.88	-0.018	18	0.32	51.670	15	35.4	47.62	21	35.4	A0	C8	6499	C -37 8708		
74	8.2	7.1W	29 57.055	0.0010	05	-36 35 51.90	0.028	05	0.20	57.040	15	35.4	52.32	21	35.4	K2	C8	6500	C -36 8655		
75	10.2	9.6W	30 4.029	0.0019	21	-31 20 11.05	0.028	21	0.44	3.995	22	31.9	11.56	21	31.9	K5	C7	6858	C -3010662		
76		7.8T	30 5.547	-0.0056	09	-39 42 55.76	-0.030	08	0.54	5.862	15	93.9	53.92	17	89.0	F0	GC	18301	C -39 8316		
77	10.6	9.9W	30 7.002	-0.0013	21	-31 54 48.17	0.011	21	0.44	7.025	22	31.9	48.37	21	31.9	K0 L	C7	6859	C -3110449		
78	10.1	9.9W	30 14.284	0.0018	18	-38 17 40.93	-0.022	18	0.32	14.257	15	35.4	40.60	21	35.4	G0	C8	6502	C -37 8714		
79		9.2T	30 16.731	0.0048	14	-37 44 7.38	-0.025	12	0.66	18.505	24	03.0	6.17	22	01.8	A2	GC	18307	C -37 8715		
80	9.7	9.0W	30 23.543	0.0072	13	-38 28 20.42	-0.186	13	0.26	23.437	15	35.4	17.70	21	35.4	G0	C8	6504	C -38 8624		
81		10.4W	30 25.927	-0.0054	21	-30 35 5.36	0.005	21	0.44	26.025	22	31.9	5.46	21	31.9		C7	6860	C -3010667		
82		9.0T	30 28.267	-0.0058	12	-31 37 40.44	-0.057	10	0.57	28.538	21	02.9	37.63	19	00.7	F0	GC	18315	C -3110454		
83	7.6	7.6W	30 29.595	-0.0023	07	-38 36 55.15	0.004	07	0.21	29.628	15	35.4	55.20	21	35.4	A0	C8	6505	C -38 8626		
84	9.8	10.2W	30 30.011	-0.0024	21	-31 23 48.49	-0.041	21	0.44	30.054	22	31.9	47.76	21	31.9	A0	C7	6862	C -3110455		
85	10.1	9.1W	30 32.773	-0.0057	21	-31 48 9.03	-0.003	21	0.44	32.875	22	31.9	8.97	21	31.9	K5	C7	6863	C -3110456		
86	9.9	9.5W	30 35.848	-0.0013	13	-35 47 58.02	-0.015	13	0.26	35.867	15	35.4	57.80	21	35.4	G0	C8	6506	C -35 8796		
87	10.8	9.9W	30 36.320	0.0023	13	-36 26 58.82	0.006	13	0.26	36.286	15	35.4	58.90	21	35.4	K0 L	C8	6507	C -36 8660		
88		10.1W	30 36.749	-0.0026	21	-32 35 38.44	0.003	21	0.44	36.796	22	31.9	38.49	21	31.9		C7	6864	C -32 9443		
89	10.6	9.7W	30 41.851	0.0003	13	-36 28 30.54	-0.057	13	0.26	41.847	15	35.4	29.70	21	35.4	K0 L	C8	6508	C -36 8663		
90	10.1	9.1W	30 44.837	-0.0007	13	-36 20 50.93	-0.043	13	0.26	44.847	15	35.4	50.30	21	35.4	K0	C8	6509	C -35 8799		
91	9.8	9.5W	30 45.101	-0.0168	21	-31 8 7.35	-0.050	21	0.44	45.405	22	31.9	6.46	21	31.9	G5	C7	6865	C -3010671		
92	10.4	9.3W	30 46.645	-0.0051	21	-34 27 27.56	-0.031	21	0.44	46.737	22	31.9	26.99	21	31.9	K5	C7	6866	C -34 8966		
93		9.9T	30 48.710	0.0091	13	-37 45 53.58	-0.069	11	0.64	48.271	24	01.8	49.98	22	97.8	K2	GC	18325	C -37 8719		
94	10.4	9.1W	30 49.807	-0.0031	21	-30 22 31.33	0.045	21	0.44	49.863	22	31.9	32.13	21	31.9	MA	C7	6867	C -2910428		
95	9.4	9.4W	30 50.386	-0.0022	21	-33 15 24.89	-0.022	21	0.44	50.427	22	31.9	24.49	21	31.9	F0	C7	6868	C -32 9445		
96	8.1	8.2W	30 50.711	-0.0005	15	-38 0 7.16	0.010	15	0.29	50.717	15	35.4	7.30	21	35.4	A0	C8	6511	C -37 8725		
97		6.7T	30 52.355	-0.0046	10	-39 41 23.20	-0.006	09	0.56	52.601	17	96.5	22.84	17	90.9	A0	GC	18327	C -39 8321		
98	10.7	9.4W	30 54.577	-0.0039	21	-34 48 19.65	-0.024	21	0.44	54.648	22	31.9	19.20	21	31.9	K0 L	C7	6869	C -34 8967		
99	10.5	10.4W	31 10.385	-0.0006	21	-32 27 3.28	0.005	21	0.44	10.439	22	31.9	3.37	21	31.9	F8 L	C7	6870	C -32 9451		
00	10.0	9.2W	31 18.214	-0.0012	21	-35 5 31.44	-0.002	21	0.44	18.236	22	31.9	31.39	21	31.9	K2	C7	6871	C -34 8976		

204600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 13H DM NUMBER
1	9.5	8.2W	13 31 19.100	-0.0026	21	-33 48 47.22	-0.056	21	0.44	19.147	22	31.9	46.19	21	31.9	K5	C7	6872	C -33 9159
2	10.2		31 20.904	0.0025	23	-37 3 5.06	-0.093	23	0.38	20.868	15	35.4	3.70	21	35.4	A5	C8	6513	C -36 8672
3	8.5	7.6W	31 23.756	0.0038	21	-34 7 53.88	-0.021	21	0.44	23.687	22	31.9	53.49	21	31.9	K0	C7	6873	C -33 9161
4	10.3	9.2W	31 26.514	-0.0194	08	-36 16 4.44	-0.009	08	0.22	26.797	15	35.4	4.30	21	35.4	K5	C8	6514	C -35 8810
5	10.5	9.7W	31 30.946	-0.0051	21	-34 32 2.33	0.010	21	0.44	31.038	22	31.9	2.50	21	31.9	K0 L	C7	6874	C -34 8979
6	7.8	7.4W	31 35.776	0.0375	06	-38 38 45.29	-0.396	06	0.20	35.228	15	35.4	39.50	21	35.4	G0	C8	6515	C -38 8635
7	11.1	9.8W	31 39.996	-0.0028	13	-36 11 2.20	-0.013	13	0.26	40.037	15	35.4	2.00	21	35.4	K2 L	C8	6516	C -35 8816
8	9.8	8.5W	31 40.235	-0.0004	08	-38 31 2.79	-0.033	08	0.22	40.238	15	35.4	2.30	21	35.4	K5	C8	6517	C -38 8636
9	10.9	9.9W	31 46.538	-0.0010	21	-32 39 55.14	-0.008	21	0.44	46.557	22	31.9	54.99	21	31.9		C7	6875	C -32 9456
10	8.1	8.1W	31 47.725	-0.0031	13	-39 59 14.52	-0.035	13	0.26	47.769	15	35.4	14.00	21	35.4	A2	C8	6518	C -39 8331
11	9.8	9.2W	31 50.182	0.0014	21	-33 53 57.19	-0.049	21	0.44	50.157	22	31.9	56.29	21	31.9	K0	C7	6876	C -33 9166
12		6.5T	31 52.586	-0.0071	16	-33 3 17.53	-0.008	13	0.73	52.928	17	02.1	17.12	18	99.3	K2	GC	18343	C -32 9459
13	9.7	9.7W	31 52.793	-0.0012	21	-30 56 54.59	0.042	21	0.44	52.815	22	31.9	55.36	21	31.9	F2	C7	6878	C -3010688
14	9.9	9.6W	32 4.823	0.0010	13	-36 53 39.93	-0.022	13	0.26	4.808	15	35.4	39.60	21	35.4	F8	C8	6520	C -36 8680
15	9.4	8.5W	32 5.472	0.0023	18	-38 45 3.40	-0.027	18	0.32	5.438	15	35.4	3.00	21	35.4	K0	C8	6521	C -38 8643
16	10.2	9.9W	32 9.235	-0.0035	21	-34 36 42.82	-0.089	21	0.44	9.298	22	31.9	41.20	21	31.9	G0 L	C7	6879	C -34 8984
17	9.0	8.1W	32 11.076	0.0026	18	-37 18 0.09	0.001	18	0.32	11.038	15	35.4	0.10	21	35.4	K0	C8	6522	C -36 8686
18	10.3	9.5W	32 17.876	-0.0035	13	-36 0 26.10	-0.096	13	0.26	17.927	15	35.4	24.70	21	35.4	G5	C8	6523	C -35 8825
19	9.9	9.5W	32 20.991	-0.0036	21	-31 54 14.20	0.004	21	0.44	21.055	22	31.9	14.27	21	31.9		C7	6880	C -3110478
20	8.5	8.5W	32 21.232	-0.0023	09	-35 23 35.56	-0.017	09	0.22	21.266	15	35.4	35.30	21	35.4	A5	C8	6524	C -35 8828
21	10.5	9.2W	32 21.474	0.0019	13	-36 13 32.79	-0.006	13	0.26	21.447	15	35.4	32.70	21	35.4	K1 L	C8	6526	C -35 8826
22	8.5	8.5W	32 22.003	-0.0002	09	-35 23 37.16	-0.024	09	0.22	22.006	15	35.4	36.80	21	35.4	A8 L	C8	6525	C -35 8828
23		6.8T	32 22.180	-0.0042	15	-31 57 23.16	-0.029	12	0.72	22.387	18	00.3	21.64	17	97.8	F0	GC	18355	C*-3110479
24		9.0R	32 22.300	0.0013	20	-30 1 37.55	-0.050	20	0.36	22.278	16	33.4	36.71	16	33.4	F8 M	13B	8604	J -2910449
25	9.1	9.0W	32 26.047	-0.0032	21	-31 9 10.81	0.041	21	0.44	26.104	22	31.9	11.56	21	31.9	F5	C7	6882	C -3010699
26	9.2	9.0W	32 28.098	0.0045	21	-34 23 8.13	-0.029	21	0.44	28.017	22	31.9	7.60	21	31.9	G0	C7	6883	C -34 8989
27	10.0	9.7W	32 29.172	-0.0025	21	-34 52 38.42	-0.017	21	0.44	29.218	22	31.9	38.10	21	31.9	G5 L	C7	6884	C -34 8990
28	10.8	9.9W	32 29.527	-0.0144	13	-36 11 37.26	0.003	13	0.26	29.737	15	35.4	37.30	21	35.4	K0 L	C8	6527	C -35 8834
29	9.8	9.2W	32 34.844	-0.0013	21	-34 47 10.32	-0.045	21	0.44	34.868	22	31.9	9.50	21	31.9	K0	C7	6885	C -34 8992
30	8.8	7.8W	32 37.365	-0.0056	21	-33 45 44.29	-0.049	21	0.44	37.467	22	31.9	43.40	21	31.9	K0	C7	6886	C -33 9171
31	10.2	9.4W	32 38.967	0.0020	13	-37 5 44.28	-0.039	13	0.26	38.938	15	35.4	43.70	21	35.4	F8	C8	6528	C -36 8691
32	9.8	8.6W	32 47.422	-0.0002	21	-32 32 42.70	0.016	21	0.44	47.426	22	31.9	42.99	21	31.9	K5	C7	6887	C -32 9468
33		7.6T	32 55.710	0.0008	10	-32 7 5.73	-0.024	09	0.53	55.666	18	97.7	4.48	18	97.7	K2	GC	18367	C -3110485
34	10.2	9.2W	32 57.950	-0.0039	13	-36 1 4.24	-0.016	13	0.26	58.007	15	35.4	4.00	21	35.4	K0	C8	6529	C -35 8837
35	10.5		33 1.651	-0.0011	18	-36 15 58.13	0.005	18	0.32	1.667	15	35.4	58.20	21	35.4	F0 L	C8	6530	C -35 8838
36	10.8	9.6W	33 2.549	0.0023	21	-34 57 53.10	-0.060	21	0.44	2.508	22	31.9	52.00	21	31.9	K L	C7	6890	C -34 9000
37	10.1	9.2W	33 12.567	0.0018	21	-30 46 23.64	0.012	21	0.44	12.534	22	31.9	23.86	21	31.9	K2	C7	6891	C -3010710
38	9.1	9.0W	33 13.711	-0.0053	21	-34 7 8.34	-0.063	21	0.44	13.807	22	31.9	7.20	21	31.9	F5	C7	6892	C -33 9179
39	10.6	10.0W	33 14.004	0.0006	21	-30 8 18.50	-0.003	21	0.44	13.993	22	31.9	18.43	21	31.9	K2 L	C7	6893	C -2910456
40	10.0	9.1W	33 16.917	-0.0005	21	-33 13 26.74	-0.014	21	0.44	16.927	22	31.9	26.49	21	31.9	K5	C7	6894	C -32 9477
41	10.5	10.3W	33 17.987	-0.0015	21	-31 19 47.26	-0.017	21	0.44	18.014	22	31.9	46.96	21	31.9	F8 L	C7	6895	C -3010714
42	10.2	8.7W	33 18.559	-0.0019	13	-36 25 26.81	0.007	13	0.26	18.587	15	35.4	26.90	21	35.4	K5	C8	6532	C -36 8701
43	9.6	9.0W	33 25.860	0.0035	18	-38 51 21.91	-0.055	18	0.32	25.808	15	35.4	21.10	21	35.4	G5	C8	6533	C -38 8668
44	10.7	9.7W	33 26.881	-0.0002	21	-30 52 46.83	0.029	21	0.44	26.885	22	31.9	47.36	21	31.9	K5	C7	6896	C -3010716
45	9.6	9.2W	33 31.704	0.0004	13	-37 15 58.27	-0.059	13	0.26	31.698	15	35.4	57.40	21	35.4	F8	C8	6534	C -36 8704
46	10.1	10.0W	33 32.172	0.0037	21	-30 58 31.11	0.008	21	0.44	32.105	22	31.9	31.26	21	31.9	G5	C7	6897	C -3010718
47	10.8	10.4W	33 41.460	-0.0009	21	-32 33 6.21	-0.023	21	0.44	41.477	22	31.9	5.79	21	31.9	G2 L	C7	6898	C -32 9483
48		9.5R	33 42.658	0.0054	20	-30 15 6.97	-0.039	20	0.36	42.568	16	33.4	6.31	16	33.4	G5 M	13B	8620	J -2910461
49	10.8		33 42.668	0.0007	18	-37 51 32.52	-0.008	18	0.32	42.657	15	35.4	32.40	21	35.4	A8 L	C8	6535	C -37 8753
50	10.8	9.6W	33 44.797	-0.0021	21	-30 40 38.23	-0.004	21	0.44	44.835	22	31.9	38.16	21	31.9	K5	C7	6899	C -3010723
51		7.5T	13 33 55.798	-0.0005	12	-32 8 55.93	-0.031	10	0.58	55.821	18	00.4	54.35	17	99.0	F2	GC	18386K	C*-3110498
52	10.7	10.0W	33 57.896	0.0023	21	-31 20 52.18	-0.007	21	0.44	57.854	22	31.9	52.06	21	31.9	K0 L	C7	6901	C -3010725
53		6.6T	33 58.347	-0.0010	12	-34 12 45.42	-0.032	12	0.64	58.398	15	00.7	43.74	18	97.9	G5	GC	18387	C*-33 9189
54	10.5	10.0W	33 59.339	-0.0046	13	-35 6 2.06	0.037	13	0.26	59.406	15	35.4	2.60	21	35.4	G0 L	C8	6536	C -34 9008
55	9.8	9.8W	34 1.992	0.0014	21	-34 20 48.83	-0.057	21	0.44	1.967	22	31.9	47.79	21	31.9	A2	C7	6903	C -33 9191
56	7.4	7.8W	34 6.194	0.0004	05	-36 50 43.04	-0.037	05	0.20	6.188	15	35.4	42.50	21	35.4	A0	C8	6537	C -36 8713
57	9.5	8.6W	34 8.754	-0.0003	13	-39 28 58.48	0.002	13	0.26	8.758	15	35.4	58.50	21	35.4	G5	C8	6538	C -39 8354
58	10.6	9.0W	34 9.824	0.0004	13	-37 15 6.71	-0.069	13	0.26	9.818	15	35.4	5.70	21	35.4	K5	C8	6539	C -36 8714
59	9.5	8.8W	34 12.015	-0.0001	13	-36 15 29.30	-0.041	13	0.26	12.016	15	35.4	28.70	21	35.4	G5	C8	6541	C -35 8853
60	10.2	9.9W	34 14.478	0.0023	21	-32 30 58.81	-0.045	21	0.44	14.437	22	31.9	57.99	21	31.9	G0 L	C7	6904	C -32 9487
61	10.4	9.6W	34 17.041	0.0014	21	-31 46 37.91	-0.030	21	0.44	17.015	22	31.9	37.37	21	31.9	K2 L	C7	6905	C -3110504
62		8.9R	34 19.659	-0.0062	20	-30 1 22.88	0.015	20	0.36	19.762	16	33.4	23.12	16	33.4	G5 J	13B	8628	J -2910467
63	10.1	9.4W	34 29.293	0.0005	13	-35 27 0.26	0.017	13	0.26	29.286	15	35.4	0.50	21	35.4	K0	C8	6543	C -35 8856
64	10.2	9.5W	34 33.100	-0.0004	13	-35 27 30.87	-0.011	13	0.26	33.106	15	35.4	30.70	21	35.4	G5	C8	6545	C -35 8859
65	7.3	7.6W	34 38.189	0.0015	06	-36 19 4.67	-0.018	06	0.20	38.167	15	35.4	4.40	21	35.4	A0	C8	6546	C -35 8861
66		9.9T	34 41.373	0.0035	13	-38 17 1.55	-0.021	10	0.63	41.202	26	01.2	0.47	22	98.7	G0	GC	18402	C -37 8769
67		7.3T	34 41.705	-0.0055	13	-34 47 40.50	-0.017	10	0.63	41.974	18	00.7	39.58	18	97.2	A0	GC	18403	C -34 9016
68	9.1	9.1W	34 42.783	-0.0035	21	-31 53 7.39	-0.034	21	0.44	42.845	22	31.9	6.77	21	31.9	A3	C7	6907	C -3110511
69	9.1	9.0W	34 46.884	-0.0018	21	-34 3 7.23	-0.029	21	0.44	46.917	22	31.9	6.69	21	31.9	F8	C7	6908	C -33 9199
70	8.4	8.2W	34 47.795	-0.0039	21	-32 6 19.46	-0.027	21	0.44	47.865	22	31.9	18.97	21	31.9	F0	C7	6909	C -3110512
71	9.0	8.0W	34 50.523	-0.0058	13	-37 50 29.03	-0.070	13	0.26	50.607	15	35.4	28.00	21	35.4	K0	C8	6548	C -37 8773
72	10.9	9.9W	34 52.049	0.0030	21	-30 53 0.22	-0.026	21	0.44	51.995	22	31.9	59.76	21	31.9	F8 L	C7	6910	C -3010744
73		7.2T	34 55.470	-0.0062	13	-34 48 36.05	-0.014	11	0.65	55.781	19	99.4	35.28	19	96.4	G0	GC	18409K	C*-34 9020
74	10.1	9.2W	34 56.175	-0.0028	13	-35 11 43.57	0.078	13	0.26	56.216	15	35.4	44.70	21	35.4	K0	C8	6549	C -34 9019
75		7.5T	34 56.715	-0.0018	15	-38 38 33.32	-0.021	12	0.68	56.799	21	03.3	32.25	19	99.2	F0	GC	18412	C -38 8687
76	10.8	10.2W	35 2.031	0.0019	21	-33 33 47.87	0.007	21	0.44	1.997	22	31.9	47.99	21	31.9	K0 L	C7	6912	C -33 9202
77	9.3	8.7W	35 2.208	0.0028	21	-34 35 32.11	-0.000	21	0.44	2.158	22	31.9	32.10	21	31.9	K0	C7	6913	C -34 9022
78	10.1	9.8W	35 8.010	0.0029	13	-36 35 37.39	-0.074	13	0.26	7.968	15	35.4	36.30	21	35.4	F8 L	C8	6551	C -36 8723
79	8.7	8.7W	35 14.468	-0.0048	08	-37 13 48.60	-0.075	08	0.22	14.558	15	35.4	47.50	21	35.4	A0	C8	6552	C -36 8726
80	9.6	8.7W	35 20.025	-0.0028	21	-31 59 4.50	-0.035	21	0.44	20.075	22	31.9	3.87	21	31.9	K0	C7	6914	C -3110520
81	9.9	9.4W	35 22.937	-0.0014	13	-36 43 50.76	-0.045	13	0.26	22.957	15	35.4	50.10	21	35.4	F8	C8	6553	C -36 8728
82	9.7	8.5W	35 23.081	0.0002	13	-37 5 20.99	-0.026	13	0.26	23.078	15	35.4	20.60	21	35.4	K5	C8	6554	C -36 8727
83		9.9W	35 26.879	-0.0015	21	-30 56 5.38	-0.013	21	0.42	26.905	22	32.5	5.16	21	32.5		C7	6915	C -3010759
84	10.1	8.9W	35 32.673	-0.0044	13	-35 34 11.33	-0.029	13	0.26	32.737	15	35.5	10.90	21	35.5	K0	C8	6556	C -35 8872
85	9.8	9.1W	35 33.218	-0.0048	13	-38 4 0.28	-0.081	13	0.26	33.287	15	35.5	59.10	21	35.5	G5	C8	6557	C -37 8784
86	10.6	8.9W	35 33.456	-0.0034	13	-35 15 9.79	0.001	13	0.26	33.506	15	35.5	9.80	21	35.5	K5	C8	6558	C -34 9027
87	9.7	9.3W	35 39.930	0.0029	13	-36 48 1.01	-0.035	13	0.26	39.888	15	35.5	0.50	21	35.5	F5	C8	6559	C -36 8734
88	10.6	9.5W	35 44.702	-0.0065	13	-35 36 5.34	-0.009	13	0.26	44.797	15	35.5	5.20	21	35.5	K1 L	C8	6560	C -35 8873
89	10.0	10.2W	35 52.240	-0.0032	21	-31 35 26.16	-0.045	21	0.42	52.295	22	32.5	25.37	21	32.5	A0	C7	6916	C -3110524
90	10.0	9.5W	35 54.050	-0.0005	13	-35 38 49.03	0.026	13	0.26	54.057	15	35.5	49.40	21	35.5	K0 L	C8	6562	C -35 8874
91	10.6	9.5W	35 55.968	-0.0004	21	-31 8 27.08	-0.076	21	0.42	55.975	22	32.5	25.76	21	32.5	K2	C7	6917	C -3010769
92		7.0T	35 58.718	-0.0022	12	-32 51 27.57	-0.018	10	0.60	58.834	18	98.4	26.61	18	96.5	B9	GC	18446	C -32 9509
93	10.0	9.5W	36 10.969	-0.0145	10	-39 24 40.90	-0.034	10	0.23	11.178	15	35.5	40.40	21	35.5	G	C8	6564	C*-35 8862
94		7.7R	36 13.392	-0.0054	20	-30 1 14.67	0.014	20	0.36	13.481	16	33.4	14.90	16	33.4	K0 J	13B	8648	J -2910489
95	9.2	9.2W	36 13.783	-0.0011	21	-30 29 40.62	0.030	21	0.42	13.803	22	32.5	41.13	21	32.5	F5	C7	6919	C -3010775
96		9.2R	36 17.447	0.0000	17	-30 0 16.03	0.046	17	0.32	17.446	16	33.4	16.79	16	33.4	A3 J	13B	8649	J -2910490
97	10.7	9.8W	36 20.602	-0.0003	21	-33 34 48.54	-0.048	21	0.42	20.607	22	32.5	47.70	21	32.5	G5 L	C7	6925	C -33 9222
98	10.5		36 21.644	-0.0002	13	-36 8 53.18	-0.040	13	0.26	21.647	15	35.5	52.60	21	35.5	F8 L	C8	6565	C -35 8880
99	10.9		36 22.873	-0.0142	18	-39 6 23.57	-0.032	18	0.32	23.078	15	35.5	23.10	21	35.5	G5 L	C8	6566	C -38 8704
00	10.9	10.3W	36 27.337	-0.0039	21	-31 44 25.09	-0.024	21	0.42	27.405	22	32.5	24.67	21	32.5	K0 L	C7	6921	C -3110529

204700			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-30° 13H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ'	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	9.2	8.2W	13 36 28.448	-0.0033	21	-35 3 57.10	-0.040	21	0.42	28.506	22	32.5	56.39	21	32.5	KO	C7	6922	C -34 9047		
2	10.1	9.5W	36 28.890	-0.0039	13	-36 1 8.48	-0.033	13	0.26	28.947	15	35.5	8.00	21	35.5	F8 L	C8	6567	C -35 8882		
3	7.3	7.6W	36 31.790	0.0002	13	-35 59 15.60	-0.034	13	0.26	31.787	15	35.5	15.10	21	35.5	A0	C8	6568	C -35 8884		
4	9.5	8.5W	36 34.127	-0.0027	21	-30 37 56.60	-0.020	21	0.42	34.175	22	32.5	56.26	21	32.5	K0	C7	6923	C -3010781		
5	9.8	9.6W	36 39.314	-0.0045	21	-30 6 4.99	0.026	21	0.42	39.393	22	32.5	5.43	21	32.5	G5	C7	6924	C -2910495		
6	10.7		36 39.356	-0.0051	21	-31 41 31.22	0.014	21	0.42	39.445	22	32.5	31.47	21	32.5	F8 L	C7	6925	C -3110532		
7	10.7	9.9W	36 39.998	-0.0050	21	-32 58 52.92	-0.030	21	0.42	40.086	22	32.5	52.39	21	32.5	G0 L	C7	6926	C -32 9522		
8		6.4T	36 44.100	-0.0019	14	-39 29 40.07	-0.029	10	0.64	44.191	21	02.0	38.51	19	96.1	PB	GC	18459	C -39 8390		
9	9.1	8.4W	36 48.899	0.0077	09	-36 56 12.01	-0.104	09	0.22	48.788	15	35.5	10.50	21	35.5	K0	C8	6571	C -36 8755		
10	9.5	7.9W	36 49.857	-0.0035	18	-37 30 48.41	-0.021	18	0.32	49.907	15	35.5	48.10	21	35.5	K2	C8	6572	C -37 8802		
11	9.7	9.8W	36 50.462	-0.0002	21	-32 14 9.10	-0.002	21	0.42	50.465	22	32.5	9.07	21	32.5	A0	C7	6927	C -3110533		
12		5.7T	36 51.745	-0.0040	10	-39 47 52.29	-0.065	09	0.39	51.900	12	11.2	49.58	12	08.4	K0	GC	18461	C -39 8392		
13	10.1	9.4W	36 58.773	-0.0018	21	-31 1 33.54	0.012	21	0.42	58.805	22	32.5	33.76	21	32.5	K0	C7	6928	C -3010789		
14	10.7	9.6W	36 59.990	0.0002	13	-35 53 39.72	-0.042	13	0.26	59.986	15	35.5	39.10	21	35.5	K0 L	C8	6574	C -35 8892		
15	10.6	10.2W	37 4.538	-0.0073	21	-33 5 23.38	-0.022	21	0.42	4.667	22	32.5	22.99	21	32.5	G2 L	C7	6929	C -32 9529		
16	10.9	10.4W	37 6.627	-0.0033	21	-31 13 33.44	-0.005	21	0.42	6.684	22	32.5	33.36	21	32.5	K0 L	C7	6930	C -3010795		
17	9.6	9.5W	37 8.285	-0.0042	13	-35 10 31.50	0.007	13	0.26	8.346	15	35.5	31.60	21	35.5	A5	C8	6575	C -34 9052		
18	10.1	9.9W	37 17.827	-0.0034	13	-36 15 44.94	-0.009	13	0.26	17.877	15	35.5	44.80	21	35.5	F8 L	C8	6576	C -35 8896		
19	10.2	9.9W	37 29.463	-0.0042	21	-33 56 34.94	-0.088	21	0.42	29.537	22	32.5	33.39	21	32.5	F5 L	C7	6931	C -33 9232		
20		7.3T	37 37.992	0.0004	11	-34 6 19.46	-0.009	11	0.58	37.974	14	00.5	18.99	14	99.3	G0	GC	18475	C -33 9233		
21	10.4	10.3W	37 39.659	0.0002	21	-32 52 42.73	-0.025	21	0.42	39.657	22	32.5	42.29	21	32.5	A0 L	C7	6933	C -32 9533		
22	9.3	9.0W	37 51.411	0.0030	18	-38 5 23.17	0.008	18	0.32	51.367	15	35.5	23.30	21	35.5	F5	C8	6578	C -37 8818		
23	11.0		37 51.990	-0.0053	16	-35 58 53.37	-0.025	16	0.32	52.067	15	35.5	53.00	21	35.5	F8 L	C8	6579	C -35 8905		
24	9.0	7.7W	38 0.189	0.0000	13	-39 27 53.53	-0.002	13	0.26	0.188	15	35.5	53.50	21	35.5	K5	C8	6580	C -39 8401		
25		7.1T	38 10.344	0.0162	12	-34 12 33.31	-0.167	12	0.67	9.514	19	98.7	24.38	19	96.6	G5	GC	18481	C -33 9242		
26	10.3	9.1W	38 17.187	-0.0028	21	-33 24 10.30	-0.035	21	0.42	17.237	22	32.5	9.69	21	32.5	K5	C7	6935	C -33 9245		
27	9.7	10.0W	38 23.918	-0.0027	21	-32 45 49.94	-0.083	21	0.42	23.966	22	32.5	48.49	21	32.5	A0	C7	6936	C -32 9543		
28	10.0	9.8W	38 25.022	-0.0052	21	-30 17 25.46	0.010	21	0.42	25.113	22	32.5	25.63	21	32.5	F8	C7	6937	C -2910518		
29			38 25.092	-0.0087	18	-36 38 55.44	-0.023	18	0.32	25.218	15	35.5	55.10	21	35.5	G5 L	C8	6581	C -36 8771		
30	10.2	9.7W	38 27.623	-0.0001	21	-30 32 34.11	-0.038	21	0.42	27.624	22	32.5	33.46	21	32.5	K0	C7	6938	C -3010813		
31	9.5	9.3W	38 31.390	-0.0037	21	-30 39 47.37	0.033	21	0.42	31.455	22	32.5	47.96	21	32.5	F5	C7	6939	C -3010816		
32	10.1	9.6W	38 35.635	-0.0046	21	-32 23 54.26	-0.074	21	0.42	35.715	22	32.5	52.97	21	32.5	G5	C7	6940	C -32 9546		
33	10.7	10.3W	38 37.738	0.0007	21	-32 11 34.37	-0.034	21	0.42	37.725	22	32.5	33.77	21	32.5	F8 L	C7	6941	C -3110559		
34	10.5		38 38.329	-0.0044	21	-33 4 25.23	-0.031	21	0.42	38.407	22	32.5	24.69	21	32.5	A0 L	C7	6942	C -32 9547		
35	10.6	9.5W	38 43.404	0.0001	21	-30 20 12.54	-0.000	21	0.42	43.403	22	32.5	12.53	21	32.5	K2	C7	6943	C -2910523		
36	9.3	7.9W	38 47.408	-0.0014	18	-38 45 45.41	-0.021	18	0.32	47.428	15	35.5	45.10	21	35.5	K2	C8	6582	C -38 8730		
37	10.0	9.9W	38 48.563	-0.0024	21	-31 28 8.86	-0.043	21	0.42	48.605	22	32.5	8.06	21	32.5	F5	C7	6944	C -3110563		
38	9.7	9.0W	38 52.654	-0.0013	21	-33 30 49.45	-0.054	21	0.42	52.677	22	32.5	48.49	21	32.5	G5	C7	6945	C -33 9252		
39		5.6I	38 53.233	-0.0012	11	-33 20 41.93	0.022	11	0.60	53.297	17	98.6	43.06	18	98.3	MOE	GC	18505V	C#-32 9549		
40	10.7	9.9W	38 54.398	0.0013	21	-32 15 26.41	-0.008	21	0.42	54.375	22	32.5	26.27	21	32.5	K0 L	C7	6947	C -3110567		
41	10.5	9.1W	38 56.544	-0.0018	21	-32 59 9.20	0.011	21	0.42	56.577	22	32.5	9.39	21	32.5	K5 L	C7	6948	C -32 9550		
42	9.6	8.8W	38 58.411	-0.0027	21	-34 31 38.65	-0.042	21	0.42	58.458	22	32.5	37.90	21	32.5	K0	C7	6949	C -34 9078		
43	10.5	10.1W	39 5.237	-0.0062	18	-35 36 20.09	-0.013	18	0.32	5.326	15	35.5	19.90	21	35.5	F5 L	C8	6584	C -35 8920		
44	8.6	8.6W	39 5.763	-0.0025	13	-39 7 9.48	-0.019	13	0.26	5.818	15	35.5	9.20	21	35.5	A3	C8	6586	C -39 8736		
45	10.2	10.0W	39 15.047	-0.0045	21	-32 53 28.30	-0.006	21	0.42	15.126	22	32.5	28.19	21	32.5	F0 L	C7	6950	C -32 9556		
46	9.8	9.5W	39 16.324	-0.0029	13	-35 19 19.13	0.012	13	0.26	16.366	15	35.5	19.30	21	35.5	F5	C8	6588	C -34 9081		
47	9.7	9.3W	39 24.027	-0.0005	21	-33 1 35.20	-0.058	21	0.42	24.037	22	32.5	34.19	21	32.5	G0	C7	6951	C -32 9557		
48	10.2	9.3W	39 26.668	-0.0033	21	-33 10 2.64	-0.077	21	0.42	26.727	22	32.5	1.29	21	32.5	K5	C7	6952	C -32 9559		
49		7.4G	39 27.943	-0.0014	12	-33 43 39.68	0.008	11	0.65	28.020	18	96.2	40.11	17	94.3	F5	GC	18515K	C#-33 9259		
50		7.7G	39 27.971	-0.0015	11	-33 43 42.05	0.062	12	0.65	28.052	17	97.0	45.23	17	98.5		GC	18516K	C -33 9259		
51	9.8	8.7W	13 39 31.622	-0.0018	13	-37 7 27.64	-0.016	13	0.26	31.648	15	35.5	27.40	21	35.5	K2	C8	6589	C -36 8766		
52	9.6	9.3W	39 34.851	-0.0075	21	-30 24 40.64	-0.223	21	0.42	34.983	22	32.5	36.73	21	32.5	G5	C7	6954	C -3010825		
53	9.8	9.5W	39 37.299	-0.0009	21	-31 16 35.45	-0.057	21	0.42	37.314	22	32.5	34.46	21	32.5	F8	C7	6955	C -3010826		
54	9.1	8.2W	39 40.588	0.0014	18	-37 16 2.69	-0.006	18	0.32	40.568	15	35.5	2.60	21	35.5	K0	C8	6590	C -36 8789		
55	10.2	9.1W	39 41.632	-0.0003	13	-35 46 57.23	-0.029	13	0.26	41.637	15	35.5	56.80	21	35.5	K0 L	C8	6591	C -35 8925		
56	10.6	9.2W	39 49.643	0.0015	21	-33 48 1.56	-0.032	21	0.42	49.617	22	32.5	0.99	21	32.5	K5 L	C7	6956	C -33 9264		
57	10.6	9.7W	39 53.459	-0.0055	21	-31 53 30.59	-0.041	21	0.42	53.555	22	32.5	29.87	21	32.5	K	C7	6957	C -3110580		
58	10.0	9.1W	39 53.888	-0.0017	21	-34 40 35.82	-0.012	21	0.42	53.918	22	32.5	35.61	21	32.5	K2	C7	6958	C -34 9088		
59		8.2T	39 57.963	-0.0025	12	-32 25 6.88	-0.034	09	0.57	58.081	19	02.2	5.12	19	98.5	K0	GC	18528	C#-32 9566		
60	8.5	8.9W	40 4.473	0.0004	07	-38 5 3.38	-0.026	07	0.21	4.467	15	35.5	3.00	21	35.5	B9	C8	6592	C -37 8842		
61	9.3	8.2W	40 10.111	-0.0033	18	-39 19 47.99	0.008	18	0.32	10.158	15	35.5	48.10	21	35.5	K0	C8	6593	C -38 8752		
62	10.6	9.7W	40 13.065	-0.0022	13	-35 38 30.47	-0.063	13	0.26	13.097	15	35.5	29.70	21	35.5	K2 L	C8	6594	C -35 8936		
63	9.9	9.6W	40 15.385	-0.0053	21	-34 58 4.56	-0.071	21	0.42	15.478	22	32.5	3.30	21	32.5	G0 L	C7	6960	C -34 9093		
64	10.1	10.0W	40 18.095	-0.0007	21	-30 20 19.37	-0.053	21	0.42	18.083	22	32.5	18.43	21	32.5	F8	C7	6961	C -2910544		
65	7.6	7.9W	40 18.944	-0.0018	21	-35 2 19.59	-0.005	21	0.42	18.976	22	32.5	19.49	21	32.5	B9	C7	6962	C -34 9094		
66	10.1	9.4W	40 21.335	-0.0016	13	-37 9 22.15	-0.003	13	0.26	21.358	15	35.5	22.10	21	35.5	G0	C8	6596	C -36 8798		
67	10.5	10.0W	40 21.786	0.0000	21	-31 36 3.63	-0.055	21	0.42	21.785	22	32.5	2.67	21	32.5	F2	C7	6963	C -3110587		
68	8.7	9.1W	40 28.994	-0.0010	10	-38 0 19.09	-0.006	10	0.23	29.007	15	35.5	19.00	21	35.5	B8 L	C8	6597	C -37 8847		
69	10.1	9.6W	40 29.641	-0.0004	13	-36 18 44.80	-0.117	13	0.26	29.647	15	35.5	43.10	21	35.5	G5 L	C8	6598	C -35 8938		
70	10.2	10.0W	40 34.592	0.0015	21	-32 41 17.68	-0.005	21	0.42	34.567	22	32.5	17.59	21	32.5	F	C7	6964	C -32 9572		
71	9.0	9.0W	40 35.867	-0.0033	21	-31 11 33.97	0.033	21	0.42	35.924	22	32.5	34.56	21	32.5	F0	C7	6965	C -3010841		
72	9.8	9.1W	40 37.194	-0.0024	21	-35 5 20.21	-0.006	21	0.42	37.236	22	32.5	20.09	21	32.5	G2 L	C7	6966	C -34 9097		
73	9.5	9.2W	40 38.369	0.0013	21	-33 59 11.06	0.008	21	0.42	38.347	22	32.5	11.20	21	32.5	G0	C7	6967	C -33 9275		
74	10.0	8.9W	40 38.477	-0.0027	21	-31 14 1.38	-0.013	21	0.42	38.525	22	32.5	1.16	21	32.5	K2	C7	6968	C -3010842		
75	10.3	10.1W	40 43.595	-0.0007	21	-33 42 7.08	0.007	21	0.42	43.607	22	32.5	7.19	21	32.5	G0 L	C7	6969	C -33 9277		
76	9.3	8.5W	40 44.956	-0.0008	09	-38 29 37.08	-0.019	09	0.22	44.967	15	35.5	36.80	21	35.5	K0	C8	6599	C -38 8759		
77		7.0T	40 51.639	-0.0070	14	-39 55 36.41	-0.008	11	0.66	51.983	21	00.9	35.93	19	97.2	A5	GC	18551K	C#-39 8429		
78	10.1	9.3W	40 54.648	0.0024	21	-32 54 55.99	0.023	21	0.42	54.607	22	32.5	56.39	21	32.5	K0	C7	6970	C -32 9576		
79	10.8		40 58.559	0.0019	21	-32 14 1.17	-0.023	21	0.42	58.525	22	32.5	0.77	21	32.5	G0 L	C7	6971	C -3110601		
80	9.7	9.5W	40 58.658	-0.0022	21	-33 53 59.35	0.020	21	0.42	58.697	22	32.5	59.69	21	32.5	G0	C7	6972	C -33 9280		
81	10.2	9.7W	41 4.796	-0.0050	18	-38 57 48.91	-0.014	18	0.32	4.868	15	35.5	48.70	21	35.5	A5	C8	6601	C -38 8763		
82	7.9	8.2W	41 6.762	-0.0008	21	-35 3 59.71	-0.012	21	0.42	6.776	22	32.5	59.50	21	32.5	B9	C7	6973	C -34 9102		
83		10.0T	41 7.587	0.0007	14	-39 20 32.35	-0.026	12	0.67	7.554	24	03.0	31.06	24	00.7	G0	GC	18556	C -38 8764		
84	10.5	9.5W	41 9.944	0.0039	21	-32 39 14.38	-0.028	21	0.42	9.877	22	32.5	13.89	21	32.5	K5	C7	6974	C -32 9578		
85	10.1	9.6W	41 14.827	-0.0034	13	-36 29 9.40	-0.034	13	0.26	14.877	15	35.5	8.90	21	35.5	F5 L	C8	6603	C -36 8808		
86	9.2	9.3W	41 16.593	-0.0018	18	-38 31 26.56	-0.004	18	0.32	16.618	15	35.5	26.50	21	35.5	B9	C8	6604	C -38 8766		
87	8.6	8.5W	41 18.598	-0.0027	21	-31 33 56.15	-0.039	21	0.42	18.645	22	32.5	55.47	21	32.5	F0	C7	6975	C -3110607		
88	9.1	8.1W	41 19.858	-0.0013	13	-36 18 30.67	-0.053	13	0.26	19.877	15	35.5	29.90	21	35.5	K0	C8	6605	C -35 8951		
89	9.5	9.0W	41 23.517	-0.0062	21	-32 56 56.82	-0.030	21	0.42	23.627	22	32.5	56.29	21	32.5	G5	C7	6976	C -32 9580		
90	11.0	10.2W	41 27.459	-0.0016	21	-33 43 51.21	0.028	21	0.42	27.487	22	32.5	51.70	21	32.5	K2 L	C7	6977	C -33 9290		
91	10.7	9.7W	41 28.749	-0.0039	13	-35 29 4.89	-0.040	13	0.26	28.806	15	35.5	4.30	21	35.5	G8 L	C8	6606	C -35 8953		
92	10.0	9.9W	41 30.489	-0.0049	21	-30 55 13.49	0.009	21	0.42	30.574	22	32.5	13.66	21	32.5	F5	C7	6978	C -3010851		
93	10.1	9.8W	41 37.235	-0.0001	21	-34 9 42.50	-0.034	21	0.42	37.237	22	32.5	41.90	21	32.5	G0 L	C7	6979	C -33 9291		
94	10.5	10.4W	41 41.231	0.0003	21	-33 25 44.49	-0.017	21	0.42	41.226	22	32.5	44.19	21	32.5	F5 L	C7	6980	C -33 9292		
95	9.2	9.3W	41 51.344	-0.0022	13	-35 21 36.41	-0.000	13	0.26	51.376	15	35.5	36.40	21	35.5	A0	C8	6608	C -34 9109		
96		9.4T	41 59.025	0.0026	14	-39 14 12.29	-0.081	12	0.67	58.903	24	03.0	8.29	24	00.7	G5	GC	18573	C -38 8772		
97	8.7	9.1W	42 3.835	-0.0057	18	-38 13 50.39	0.015	18	0.32	3.917	15	35.5	50.60	21	35.5	B9	C8	6610	C -37 8864		
98		9.2R	42 6.847	-0.0059	17	-30 4 13.10	-0.075	17	0.32	8.945	16	33.4	11.85	16	33.4	G5 J	13B	8711	J -2910564		
99		10.4W	42 18.173	-0.0030	21	-31 59 51.49	-0.018	21	0.42	18.225	22	32.5	51.17	21	32.5		C7	6981	C -3110616		
00	9.7	8.1W	42 23.845	0.0005	21	-33 1 23.98	-0.028	21	0.42	23.837	22	32.5	23.49	21	32.5	K5	C7	6982	C -32 9594		

204800	EPOCH 1950										ORIGINAL EPOCH						SP.		SOURCE		-30° 13H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1		10.3W	13 42 26.208	-0.0016	21	-31 34 38.08	-0.035	21	0.42		26.235	22	32.5	37.47	21	32.5			C7	6983	C -3110619
2	9.6	9.7W	42 27.125	-0.0007	21	-34 14 5.62	-0.018	21	0.42		27.137	22	32.5	5.30	21	32.5	F0	L	C7	6984	C -33 9302
3	10.4	9.2W	42 27.188	0.0013	21	-32 4 28.38	-0.029	21	0.42		27.165	22	32.5	27.87	21	32.5	K5		C7	6985	C -3110618
4	9.1	9.1W	42 29.338	-0.0013	13	-36 7 59.62	-0.042	13	0.26		29.357	15	35.5	59.00	21	35.5	A2		C8	6611	C -35 8970
5	8.7	7.5W	42 33.586	-0.0029	10	-38 15 39.04	-0.051	10	0.23		33.627	15	35.5	38.30	21	35.5	K0		C8	6612	C -37 8868
6		7.2T	42 33.908	-0.0079	11	-35 40 28.16	-0.060	12	0.62		34.310	18	98.8	25.00	19	97.4	G5		GC	18585	C#-35 8973
7	8.6	7.8W	42 34.409	-0.0048	18	-39 6 19.58	-0.005	18	0.32		34.478	15	35.5	19.50	21	35.5	F0		C8	6614	C -38 8781
8	10.0	9.7W	42 38.110	-0.0013	21	-34 8 12.90	0.006	21	0.42		38.087	22	32.5	13.00	21	32.5	G5	L	C7	6986	C -33 9308
9	9.5	9.4W	42 38.300	-0.0038	21	-33 43 22.09	-0.028	21	0.42		38.367	22	32.5	21.59	21	32.5	F5		C7	6987	C -33 9309
10	8.9	8.7W	42 38.790	-0.0030	21	-30 11 19.90	0.054	21	0.42		38.843	22	32.5	20.83	21	32.5	F8		C7	6988	C -2910573
11	9.4	9.2W	42 39.050	0.0047	21	-34 42 45.41	-0.114	21	0.42		38.968	22	32.5	43.41	21	32.5	G0		C7	6989	C -34 9117
12		4.4H	42 50.314	-0.0365	02	-32 47 29.86	-0.150	02	0.08		51.662	04	13.1	24.32	05	13.0	F5		F4	506	C -32 2603
13	10.2	9.2W	42 50.835	-0.0030	13	-39 14 46.44	-0.016	13	0.26		50.878	15	35.5	46.20	21	35.5	K0		C8	6615	C -38 8784
14	8.5	8.5W	42 52.064	-0.0013	21	-34 29 42.30	-0.080	21	0.42		52.087	22	32.5	40.89	21	32.5	A3		C7	6991	C -34 9120
15	9.9	9.4W	42 54.023	-0.0030	13	-35 35 51.48	-0.040	13	0.26		54.067	15	35.5	50.90	21	35.5	F5	L	C8	6616	C -35 8978
16	10.4	10.1W	42 54.609	-0.0090	21	-33 37 18.10	-0.074	21	0.42		54.767	22	32.5	16.80	21	32.5	F5	L	C7	6992	C -33 9310
17	10.3	9.3W	43 5.831	-0.0021	21	-34 54 8.92	0.028	21	0.42		5.868	22	32.5	9.40	21	32.5	K0	L	C7	6993	C -34 9124
18	9.5	9.2W	43 7.000	0.0008	21	-33 8 48.21	-0.058	21	0.42		6.986	22	32.5	47.19	21	32.5	F2		C7	6994	C -32 9608
19		9.2R	43 9.500	-0.0003	17	-30 0 47.41	-0.054	17	0.32		9.505	16	33.4	46.51	16	33.4	F8	J	138	8723	J -2910576
20	10.2	8.8W	43 9.791	-0.0003	21	-33 13 3.45	-0.009	21	0.42		9.797	22	32.5	3.29	21	32.5	K		C7	6995	C -32 9609
21	8.4	8.3W	43 16.615	-0.0076	21	-34 55 22.27	-0.032	21	0.42		16.748	22	32.5	21.70	21	32.5	F2		C7	6996	C -34 9125
22	10.2	9.8W	43 17.284	0.0019	13	-36 0 1.56	-0.052	13	0.26		17.257	15	35.5	0.80	21	35.5	G0	L	C8	6617	C -35 8983
23	10.5	8.7W	43 24.084	0.0018	13	-36 40 1.14	-0.051	13	0.26		24.058	15	35.5	0.40	21	35.5	K5	L	C8	6618	C -36 8828
24	10.7		43 26.413	-0.0045	18	-38 22 21.71	-0.042	18	0.32		26.477	15	35.5	21.10	21	35.5	G0	L	C8	6619	C -37 8879
25	8.6	8.3W	43 26.448	0.0009	21	-30 13 28.57	-0.036	21	0.42		26.433	22	32.5	27.93	21	32.5	G0		C7	6997	C -2910579
26	8.1	8.0W	43 35.492	-0.0043	21	-33 31 27.63	-0.019	21	0.42		35.567	22	32.5	27.30	21	32.5	A5		C7	6998	C -33 9320
27	10.7	9.9W	43 36.770	0.0008	21	-33 2 44.12	-0.013	21	0.42		36.757	22	32.5	43.89	21	32.5	K5	L	C7	6999	C -32 9615
28	9.7	8.9W	43 38.240	-0.0003	21	-32 29 11.25	-0.016	21	0.42		38.245	22	32.5	10.97	21	32.5	K0		C7	7000	C -32 9616
29	9.6	9.6W	43 42.736	-0.0057	21	-31 49 9.51	-0.065	21	0.42		42.835	22	32.5	8.37	21	32.5	A5		C7	7001	C -3110633
30	10.3	10.2W	43 49.911	-0.0059	21	-31 16 22.06	0.028	21	0.42		50.014	22	32.5	22.56	21	32.5	A5		C7	7002	C -3010880
31	9.0	8.1W	43 50.546	-0.0028	13	-36 9 18.66	-0.031	13	0.26		50.587	15	35.5	18.20	21	35.5	K2		C8	6622	C -35 8992
32		10.1W	43 52.561	0.0014	21	-32 48 17.48	-0.022	21	0.42		52.537	22	32.5	17.09	21	32.5			C7	7003	C -32 9619
33	10.4	9.7W	43 55.568	-0.0088	13	-35 11 41.67	-0.046	13	0.26		55.696	15	35.5	41.00	21	35.5	K0	L	C8	6623	C -34 9136
34	10.3	9.3W	43 59.747	-0.0014	18	-37 36 15.16	-0.031	18	0.32		59.767	15	35.5	14.70	21	35.5	K1	L	C8	6624	C -37 8890
35		5.2T	44 0.957	-0.0010	06	-36 0 8.70	-0.023	05	0.24		0.994	09	10.7	7.72	10	07.8	A0		GC	18618K	C#-35 8995
36	10.5	9.8W	44 1.806	0.0006	21	-31 50 55.52	-0.043	21	0.42		1.795	22	32.5	54.77	21	32.5	G5		C7	7004	C -3110638
37	9.1	8.8W	44 16.509	-0.0027	09	-37 57 3.58	-0.067	09	0.22		16.547	15	35.5	2.60	21	35.5	F8		C8	6627	C -37 8893
38	10.1	10.1W	44 25.443	-0.0011	18	-38 48 50.04	-0.009	18	0.32		25.458	15	35.5	49.90	21	35.5	A0	L	C8	6628	C -38 8803
39	10.4	9.2W	44 28.052	-0.0002	13	-39 27 0.49	-0.015	13	0.26		28.048	15	35.5	0.70	21	35.5	K2		C8	6629	C -39 8471
40	11.0	10.4W	44 34.015	-0.0001	21	-34 14 44.43	-0.030	21	0.42		34.017	22	32.5	43.89	21	32.5	K0	L	C7	7005	C -33 9330
41	10.7	9.9W	44 39.125	-0.0001	21	-34 29 58.33	-0.013	21	0.42		39.127	22	32.5	58.09	21	32.5	K0	L	C7	7006	C -34 9143
42	8.3	8.2W	44 47.732	0.0004	13	-36 21 22.31	-0.028	13	0.26		47.726	15	35.5	21.90	21	35.5	F0		C8	6631	C -35 9003
43		9.4R	44 51.382	-0.0015	17	-30 4 30.51	0.010	17	0.32		51.407	16	33.4	30.67	16	33.4	F8	J	138	8731	J -2910599
44	9.8	8.6W	44 54.616	-0.0001	21	-34 51 53.07	-0.049	21	0.42		54.618	22	32.5	52.20	21	32.5	K5		C7	7007	C -34 9145
45	9.4	8.5W	44 55.661	-0.0005	13	-36 43 58.83	-0.050	13	0.26		55.668	15	35.5	58.10	21	35.5	K0		C8	6632	C -36 8848
46	9.4	9.2W	44 55.944	-0.0024	21	-33 10 24.21	-0.041	21	0.42		55.987	22	32.5	23.49	21	32.5	A2		C7	7008	C -32 9630
47	10.6	10.0W	44 57.598	-0.0054	18	-35 46 39.60	-0.013	18	0.32		57.677	15	35.5	39.40	21	35.5	F5	L	C8	6633	C -35 9006
48		10.3W	45 0.572	0.0072	21	-32 53 40.05	-0.026	21	0.42		0.446	22	32.5	39.59	21	32.5			C7	7009	C -32 9632
49	10.8	10.2W	45 7.972	-0.0019	21	-30 51 3.66	-0.012	21	0.42		8.005	22	32.5	3.46	21	32.5	K0		C7	7010	C -3010899
50		9.7T	45 10.145	0.0043	14	-39 44 17.60	-0.033	12	0.67		9.943	24	03.0	15.96	24	00.7	F5		GC	18638	C -39 8477
51	9.9	9.4W	13 45 15.344	-0.0093	13	-39 8 44.80	-0.027	13	0.26		15.478	15	35.5	44.40	21	35.5	G5		C8	6635	C -38 8815
52	8.9	9.2W	45 17.573	-0.0024	18	-38 19 17.06	-0.004	18	0.32		17.607	15	35.5	17.00	21	35.5	B9		C8	6636	C -37 8907
53	9.2	9.1W	45 17.671	0.0009	21	-31 59 21.60	-0.036	21	0.42		17.655	22	32.5	20.97	21	32.5	A2		C7	7011	C -3110655
54	9.2	7.6W	45 17.722	-0.0018	18	-38 0 48.68	-0.005	18	0.32		17.747	15	35.5	48.60	21	35.5	K2		C8	6637	C -37 8906
55	10.3	10.2W	45 20.566	-0.0000	21	-33 23 22.92	-0.030	21	0.42		20.567	22	32.5	22.39	21	32.5	B8	L	C7	7012	C -33 9342
56	9.9	9.5W	45 24.552	0.0044	13	-36 37 38.02	-0.042	13	0.26		24.488	15	35.5	37.40	21	35.5	A8	L	C8	6639	C -36 8853
57			45 24.857	0.0020	13	-36 36 50.02	-0.049	13	0.26		24.828	15	35.5	49.30	21	35.5			C8	6640X	C#-36 8854
58	10.6	9.0W	45 28.087	0.0001	21	-31 49 45.39	-0.024	21	0.42		28.085	22	32.5	44.97	21	32.5	MB		C7	7013	C -3110658
59	9.1	8.1W	45 32.384	0.0011	21	-30 30 1.85	-0.000	21	0.42		32.365	22	32.5	1.86	21	32.5	K2		C7	7014	C -3010904
60	10.4	10.2W	45 34.700	-0.0015	21	-33 19 3.05	-0.015	21	0.42		34.727	22	32.5	2.79	21	32.5	F5	L	C7	7015	C -32 9636
61		8.5T	45 36.039	-0.0049	12	-39 49 53.37	-0.007	10	0.61		35.796	22	00.3	52.98	22	95.9	K0		GC	18644	C -39 8482
62	10.8	9.6W	45 40.829	-0.0046	13	-35 27 47.33	-0.022	13	0.26		40.896	15	35.5	47.00	21	35.5	K1	L	C8	6642	C -35 9017
63	10.5	9.9W	45 41.783	0.0015	21	-33 46 7.43	-0.093	21	0.42		41.757	22	32.5	5.79	21	32.5	G2	L	C7	7016	C -33 9343
64		6.8T	45 45.222	0.0029	07	-36 52 43.70	-0.006	07	0.31		45.103	10	09.0	43.45	12	08.2	F0		GC	18648	C#-36 8859
65	9.9	9.2W	45 53.155	0.0011	21	-31 57 40.13	-0.026	21	0.42		53.135	22	32.5	39.67	21	32.5	K0		C7	7017	C -3110665
66	7.0	6.5W	46 1.761	-0.0424	13	-35 26 59.94	-0.195	13	0.26		2.376	15	35.5	57.10	21	35.5	G0		C8	6645	C -35 9019
67		6.5T	46 1.887	-0.0424	11	-35 27 11.42	-0.177	09	0.51		3.962	14	01.1	2.65	14	00.5	G0		GC	18652K	C#-35 9019
68	10.4	9.0W	46 5.503	0.0021	21	-33 6 32.00	-0.006	21	0.42		5.466	22	32.5	31.89	21	32.5	K5	L	C7	7018	C -32 9643
69	9.3	8.8W	46 7.867	-0.0056	21	-31 7 50.23	-0.147	21	0.42		7.964	22	32.5	47.66	21	32.5	G5		C7	7019	C -3010910
70	8.8	7.7W	46 8.604	0.0012	21	-30 27 46.08	-0.025	21	0.42		8.583	22	32.5	45.63	21	32.5	K2		C7	7020	C -3010912
71	10.4	9.7W	46 16.676	-0.0052	21	-33 31 39.81	-0.109	21	0.42		16.767	22	32.5	37.90	21	32.5			C7	7021	C -33 9353
72	10.8		46 27.004	-0.0044	13	-36 51 58.93	-0.029	13	0.26		27.068	15	35.5	58.50	21	35.5	F8	L	C8	6647	C -36 8870
73	7.5	7.7W	46 28.895	-0.0007	21	-33 34 30.04	-0.008	21	0.42		28.907	22	32.5	29.89	21	32.5	A0		C7	7022	C -33 9355
74	9.8	9.5W	46 28.997	-0.0035	21	-34 32 39.87	-0.072	21	0.42		29.058	22	32.5	38.60	21	32.5	F8		C7	7023	C -34 9165
75		4.4T	46 32.422	-0.0035	05	-34 12 6.71	-0.061	04	0.23		32.579	09	05.5	3.70	09	00.8	MB		GC	18666	C#-33 9358
76	10.6	9.1W	46 32.924	0.0010	21	-33 45 57.58	0.001	21	0.42		32.907	22	32.5	57.60	21	32.5	K5	L	C7	7025	C -33 9357
77	8.8	9.1W	46 35.073	-0.0017	13	-38 24 38.62	-0.042	13	0.26		35.097	15	35.5	38.00	21	35.5	A0		C8	6648	C -38 8828
78	9.2	9.1W	46 39.443	0.0019	13	-35 24 21.53	-0.029	13	0.26		39.416	15	35.5	21.10	21	35.5	A2		C8	6649	C -35 9029
79	10.0	9.0W	46 42.615	-0.0017	21	-31 14 44.30	-0.014	21	0.42		42.645	22	32.5	44.06	21	32.5	K2		C7	7026	C -3010919
80	9.8	9.6W	46 44.350	-0.0046	13	-35 55 53.74	-0.037	13	0.26		44.417	15	35.5	53.20	21	35.5	F0	L	C8	6650	C -35 9030
81	8.9	7.3W	46 45.796	-0.0035	13	-36 21 31.43	-0.050	13	0.26		45.847	15	35.5	30.70	21	35.5	MA		C8	6651	C -35 9031
82	9.5	9.4W	46 48.782	0.0017	18	-38 8 57.44	0.025	18	0.32		48.757	15	35.5	57.80	21	35.5	F2		C8	6652	C -37 8930
83	10.1	9.9W	46 50.489	-0.0083	21	-31 6 14.14	-0.005	21	0.42		50.634	22	32.5	14.06	21	32.5	F5		C7	7027	C -3010922
84	8.4	7.2W	47 6.502	-0.0048	21	-32 25 3.40	-0.030	21	0.42		6.585	22	32.5	2.87	21	32.5	K0		C7	7028	C -32 9650
85	10.3	10.0W	47 7.555	-0.0022	13	-36 7 3.82	-0.042	13	0.26		7.587	15	35.5	3.20	21	35.5	F5	L	C8	6653	C -35 9035
86	9.5	9.3W	47 9.846	-0.0078	18	-39 0 41.11	-0.028	18	0.32		9.958	15	35.5	40.70	21	35.5	F8		C8	6654	C -38 8836
87		9.7W	47 13.640	-0.0047	08	-36 30 35.03	0.033	08	0.22		13.707	15	35.5	35.50	21	35.5	G8	L	C8	6655	C -36 8883
88		6.5T	47 20.163	0.0004	14	-39 39 11.39	-0.016	12	0.71		20.144	19	00.2	10.54	18	97.6	K0		GC	18682	C -39 8501
89	10.1	9.6W	47 22.399	-0.0046	13	-35 14 8.93	0.019	13	0.26		22.466	15	35.5	9.20	21	35.5	G		C8	6657	C -34 9175
90	10.4	9.2W	47 24.876	0.0040	21	-35 6 44.00	-0.017	21	0.42		24.806	22	32.5	43.69	21	32.5	K2		C7	7029	C -34 9177
91	10.4	10.0W	47 25.018	-0.0057	21	-34 36 37.58	-0.101	21	0.42		25.118	22	32.5	35.80	21	32.5	G0	L	C7	7030	C -34 9176
92		7.2T	47 29.288	-0.0030	14	-30 49 11.56	-0.045	12	0.70		29.438	18	99.7	9.16	18	96.4	F0		GC	18689	C -3010935
93	7.5	7.9W	47 29.718	-0.0049	13	-38 50 59.29	-0.075	13	0.26		29.788	15	35.5	58.20	21	35.5	A0		C8	6658	C -38 8840
94	9.4	8.4W	47 33.644	-0.0024	21	-32 55 49.42	-0.013	21	0.42		33.687	22	32.5	49.19	21	32.5	K0		C7	7032	C -32 9654
95	10.5	10.1W	47 36.757	-0.0001	13	-36 33 28.03	0.005	13	0.26		36.758	15	35.5	28.10	21	35.5	K5	L	C8	6659	C -36 8890
96		9.1R	47 37.521	-0.0024	21	-30 4 48.29	-0.105	21	0.38		37.560	16	33.4	46.54	16	33.4	G5	J	138	8760	J -2910619
97	9.4	9.0W	47 43.534	-0.0148	13	-39 10 22.21	-0.014	13	0.26		43.748	15	35.5	22.00	21	35.5	F5		C8	6660	C -38 8842
98	10.9	9.4W	47 45.373	-0.0065	21	-34 26 1.92	0.062	21	0.42		45.487	22	32.5	3.00	21	32.5	K5	L	C7	7033	C -34 9183
99		8.6R	47 47.489	-0.0015	20	-30 0 49.98	-0.040	20	0.36		47.514	16	33.4	49.31	16	33.4	F0	J	138	8761	J -2910620
00		7.1T	47 48.193	-0.0021	13	-30 57 29.86	-0.041	11	0.66		48.297	19	00.0	27.72	18	97.3	A5		GC	18694	C#-3010945

204900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	8.1	8.0W	13 47 51.964	0.0011	18	-37 53 20.32	-0.001	18	0.32	51.947	15	35.5	20.30	21	35.5	F2		C8	6661	C -37 8939
2	10.1	9.3W	47 52.631	-0.0026	21	-33 3 46.34	-0.014	21	0.42	52.677	22	32.5	46.09	21	32.5	G5	L	C7	7035	C -32 9657
3	9.3	8.3W	47 59.802	-0.0047	21	-30 58 57.28	-0.047	21	0.42	59.884	22	32.5	56.46	21	32.5	K0		C7	7036	C -3010946
4	9.6	8.7W	48 12.181	0.0008	21	-33 32 14.86	-0.009	21	0.42	12.167	22	32.5	14.70	21	32.5	K0		C7	7037	C -33 9372
5	9.6	8.3W	48 17.192	0.0011	21	-30 19 8.87	-0.013	21	0.42	17.173	22	32.5	8.63	21	32.5	MA		C7	7038	C -2910630
6	9.2	8.8W	48 21.298	-0.0102	21	-33 38 47.25	-0.037	21	0.42	21.477	22	32.5	46.59	21	32.5	G0		C7	7039	C -33 9375
7	10.0	9.1W	48 23.966	-0.0023	21	-32 59 50.75	-0.015	21	0.42	24.006	22	32.5	50.49	21	32.5	K5		C7	7040	C -32 9665
8	9.7	8.5W	48 25.516	-0.0008	13	-37 39 54.12	-0.035	13	0.26	25.527	15	35.5	53.60	21	35.5	K2		C8	6663	C -37 8952
9	8.5	7.5W	48 29.304	-0.0003	13	-37 8 43.74	-0.044	13	0.26	29.308	15	35.5	43.10	21	35.5	K0		C8	6664	C -36 8898
10	10.1	9.2W	48 31.071	-0.0018	13	-35 44 31.56	-0.038	13	0.26	31.097	15	35.5	31.00	21	35.5	G5		C8	6665	C -35 9051
11		6.5T	48 40.546	-0.0084	10	-36 11 5.42	-0.121	09	0.56	40.989	17	97.0	58.64	17	94.0	G0		GC	18714	C -35 9084
12	9.5	9.3W	48 41.554	0.0018	21	-30 10 50.97	0.004	21	0.42	41.523	22	32.5	51.03	21	32.5	F8		C7	7041	C -2910636
13		7.1T	48 47.348	-0.0251	10	-31 4 17.35	-0.058	09	0.43	48.374	15	09.1	14.64	15	06.6	F5		GC	18717	C#-3010965
14	9.8	9.5W	48 50.260	0.0002	21	-34 25 15.93	-0.036	21	0.42	50.257	22	32.5	15.29	21	32.5	F5		C7	7043	C -34 9197
15	10.3	10.1W	48 53.829	-0.0032	21	-31 51 43.90	-0.019	21	0.42	53.885	22	32.5	43.57	21	32.5	F5		C7	7044	C -3110703
16		4.7T	48 55.945	-0.0027	04	-32 44 49.54	-0.042	04	0.23	56.089	10	97.5	47.18	10	94.0	B5		GC	18724K	C#-32 9676
17		6.2T	48 56.526	-0.0045	07	-32 44 51.73	-0.031	06	0.42	56.788	17	91.2	49.83	17	88.8	B5		GC	18725K	C#-32 9676
18		7.6R	48 57.164	-0.0048	12	-30 5 14.10	-0.016	12	0.25	57.244	16	33.4	13.83	16	33.4	K2	J 138	J	8774	J -2910639
19	9.0	8.5W	48 59.555	-0.0098	08	-36 22 33.15	-0.072	08	0.22	59.697	15	35.5	32.10	21	35.5	G5		C8	6668	C -36 8903
20	9.7	9.4W	49 4.280	-0.0032	21	-32 52 41.92	0.021	21	0.42	4.336	22	32.5	42.29	21	32.5	F8		C7	7046	C#-32 9678
21	10.4	9.5W	49 6.385	-0.0001	21	-33 40 44.72	-0.024	21	0.42	6.387	22	32.5	44.29	21	32.5	G5	L	C7	7047	C -33 9380
22		6.2T	49 8.318	-0.0042	09	-31 22 19.40	-0.056	07	0.47	8.545	17	95.7	16.06	15	89.9	F8		GC	18733K	C#-3110706
23	10.6	9.6W	49 14.784	-0.0047	21	-33 5 19.72	0.027	21	0.42	14.867	22	32.5	20.19	21	32.5	K0	L	C7	7049	C -32 9679
24	10.0	9.2W	49 15.625	0.0000	21	-31 22 28.16	0.034	21	0.42	15.624	22	32.5	28.76	21	32.5	G5		C7	7050	C -3110708
25	8.7	8.5W	49 19.372	-0.0052	08	-38 22 27.11	-0.062	08	0.22	19.447	15	35.5	26.20	21	35.5	F5		C8	6669	C -37 8966
26	10.0	10.0W	49 22.040	0.0036	21	-33 36 50.97	-0.004	21	0.42	21.977	22	32.5	50.89	21	32.5	A3		C7	7051	C -33 9383
27		7.9T	49 25.853	-0.0007	17	-30 32 19.16	-0.014	12	0.77	25.886	18	01.1	18.44	17	96.7	A3		GC	18736K	C -3010966
28	11.5	10.1W	49 26.569	0.0001	21	-33 57 30.05	-0.003	21	0.42	26.567	22	32.5	30.00	21	32.5			C7	7053	C -33 9387
29	9.3	7.7W	49 31.885	-0.0009	13	-36 35 21.48	-0.026	13	0.26	31.897	15	35.5	21.10	21	35.5	K5		C8	6671	C -36 8911
30	9.9	9.7W	49 31.972	-0.0008	21	-33 16 32.95	-0.015	21	0.42	31.987	22	32.5	32.69	21	32.5	A2		C7	7054	C -32 9682
31		9.8W	49 32.195	-0.0023	13	-37 16 18.72	0.013	13	0.26	32.228	15	35.5	18.90	21	35.5	K2	L	C8	6672	C -36 8909
32	10.5	9.2W	49 34.883	-0.0059	21	-32 11 29.05	-0.039	21	0.42	34.985	22	32.5	28.37	21	32.5	K5		C7	7055	C -3110713
33	8.8	8.8W	49 37.843	-0.0043	21	-34 49 26.93	-0.047	21	0.42	37.918	22	32.5	26.10	21	32.5	F0		C7	7056	C -34 9207
34	9.2	8.6W	49 38.258	-0.0012	21	-34 4 22.07	-0.044	21	0.42	38.237	22	32.5	21.30	21	32.5	G0		C7	7057	C -33 9389
35	10.1	8.7W	49 45.900	-0.0007	21	-30 13 45.36	-0.001	21	0.42	45.913	22	32.5	45.33	21	32.5	K2		C7	7058	C -2910648
36	10.7	10.0W	49 57.888	-0.0007	21	-32 56 56.77	-0.016	21	0.42	57.877	22	32.5	56.49	21	32.5	G5	L	C7	7059	C -32 9688
37	10.0	9.7W	50 4.341	-0.0009	21	-33 33 20.82	-0.007	21	0.42	4.357	22	32.5	20.70	21	32.5	G0	L	C7	7060	C -33 9396
38	9.0	9.0W	50 5.591	-0.0054	21	-31 33 13.35	0.007	21	0.42	5.685	22	32.5	13.47	21	32.5	A2		C7	7061	C -3110722
39	10.0	9.2W	50 15.677	-0.0005	21	-35 6 19.30	-0.017	21	0.42	15.686	22	32.5	18.99	21	32.5	G5	L	C7	7062	C -34 9219
40	7.8	8.1W	50 16.137	-0.0016	21	-31 28 30.06	-0.006	21	0.42	16.164	22	32.5	29.96	21	32.5	B9		C7	7063	C -3110726
41	10.0	9.6W	50 16.699	0.0014	21	-30 57 0.43	-0.033	21	0.42	16.674	22	32.5	59.86	21	32.5	G0		C7	7064	C -3010980
42	8.7	8.7W	50 18.911	0.0025	21	-34 21 37.15	-0.014	21	0.42	18.867	22	32.5	36.89	21	32.5	A3		C7	7065	C -33 9399
43		9.2T	50 19.324	0.0001	16	-31 41 7.91	-0.003	08	0.67	19.317	21	01.0	7.73	19	92.4			GC	18754K	C -3110729
44		4.8T	50 19.377	-0.0012	05	-31 40 53.46	-0.016	04	0.21	19.429	07	05.1	52.69	07	01.7	B5		GC	18755K	C#-3110729
45	10.5	9.6W	50 21.150	-0.0015	21	-33 12 1.93	-0.025	21	0.42	21.176	22	32.5	1.49	21	32.5	G5	L	C7	7067	C -32 9693
46	9.4	9.3W	50 22.199	-0.0013	18	-37 13 30.32	-0.015	18	0.32	22.218	15	35.5	30.10	21	35.5	A3		C8	6674	C -36 8918
47	9.1	8.1W	50 25.587	-0.0042	13	-38 3 36.99	-0.040	13	0.26	25.647	15	35.5	36.40	21	35.5	K0		C8	6675	C -37 8975
48		8.9R	50 26.749	-0.0017	17	-30 0 16.20	-0.016	17	0.32	26.777	16	33.4	15.93	16	33.4	G5	J 138	J	8794	J -2910659
49	7.2	7.6W	50 29.203	0.0003	09	-38 48 40.52	-0.008	09	0.22	29.198	15	35.5	40.40	21	35.5	B5		C8	6676	C -38 8883
50	8.6	8.9W	50 29.405	0.0032	18	-39 7 9.29	-0.013	18	0.32	29.358	15	35.5	9.10	21	35.5	A2		C8	6677	C -38 8882
51	10.5	9.4W	13 50 30.853	-0.0007	21	-32 18 29.19	-0.070	21	0.42	30.865	22	32.5	27.97	21	32.5	K2		C7	7068	C -3110730
52	9.5	8.6W	50 32.715	-0.0029	13	-36 6 34.75	0.004	13	0.26	32.757	15	35.5	34.80	21	35.5	K0		C8	6678	C -35 9088
53	9.3	8.2W	50 33.021	-0.0048	21	-34 22 25.61	-0.029	21	0.42	32.937	22	32.5	23.09	21	32.5	K0		C7	7069	C -33 9401
54		7.6T	50 34.695	0.0008	15	-38 1 13.06	-0.065	13	0.73	34.656	22	01.8	9.69	21	98.2	A0		GC	18759	C#-37 8978
55		5.6T	50 36.899	-0.0065	09	-35 25 5.26	-0.023	06	0.39	37.204	14	03.3	4.05	14	97.8	F2		GC	18761K	C#-35 9090
56	9.8	8.5W	50 37.167	0.0001	13	-35 23 58.16	-0.011	13	0.26	37.166	15	35.5	58.00	21	35.5			C8	6681	C -35 9089
57	9.6	8.3W	50 40.761	0.0026	21	-33 20 4.67	0.030	21	0.42	40.716	22	32.5	5.19	21	32.5	K2		C7	7070	C -32 9697
58	7.5	7.9W	50 46.839	-0.0010	21	-34 25 9.01	-0.035	21	0.42	46.857	22	32.5	8.39	21	32.5	A0		C7	7071	C -34 9222
59	9.9	9.5W	50 47.861	-0.0075	21	-30 21 14.66	-0.007	21	0.42	47.993	22	32.5	14.53	21	32.5	F8		C7	7072	C -2910663
60	9.7	9.5W	50 54.593	-0.0013	21	-32 27 7.44	-0.044	21	0.42	54.615	22	32.5	6.67	21	32.5	F0		C7	7073	C -32 9699
61	11.5	10.0W	50 55.791	-0.0014	21	-31 48 18.62	-0.037	21	0.42	55.815	22	32.5	17.97	21	32.5			C7	7074	C -3110737
62	10.6	9.9W	50 57.082	0.0010	21	-30 58 43.34	-0.005	21	0.42	57.064	22	32.5	43.26	21	32.5	G5		C7	7075	C -3010996
63		6.3T	50 57.378	-0.0221	13	-35 4 4.35	-0.079	14	0.70	58.489	17	99.8	0.43	18	00.5	K0		GC	18770	C -34 9223
64		7.9R	50 58.147	-0.0004	12	-30 2 16.67	0.013	12	0.25	58.154	16	33.4	16.88	16	33.4	K2	J 138	J	8800	J -2910667
65	10.1	9.6W	51 11.055	-0.0201	06	-35 59 53.73	0.012	06	0.20	11.347	15	35.5	53.90	21	35.5	G0		C8	6682	C -35 9099
66	10.0	9.1W	51 12.714	0.0005	13	-36 18 28.39	-0.013	13	0.26	12.707	15	35.5	28.20	21	35.5	G5		C8	6683	C -35 9098
67	8.7	7.1W	51 12.747	0.0006	06	-36 37 6.84	-0.023	06	0.20	12.738	15	35.5	6.50	21	35.5	K5		C8	6684	C -36 8927
68	9.5	9.6W	51 12.854	-0.0050	13	-35 37 34.89	0.001	13	0.26	12.927	15	35.5	34.90	21	35.5	A0		C8	6685	C -35 9100
69	8.9	8.6W	51 13.820	-0.0015	21	-32 53 51.01	-0.041	21	0.42	13.846	22	32.5	50.29	21	32.5	F0		C7	7077	C -32 9704
70	9.6	9.5W	51 21.172	0.0003	21	-33 33 10.35	-0.020	21	0.42	21.167	22	32.5	10.00	21	32.5	F2		C7	7078	C -33 9410
71	8.6	8.7W	51 24.736	0.0000	13	-35 9 4.60	-0.027	13	0.26	24.736	15	35.5	4.20	21	35.5	A2		C8	6687	C -34 9228
72		6.9T	51 26.603	-0.0119	17	-32 12 1.17	-0.076	14	0.77	27.166	18	02.5	57.44	18	00.9	F0		GC	18784	C -3110742
73	8.7	9.1W	51 29.945	-0.0006	13	-35 12 31.79	0.015	13	0.26	29.936	15	35.5	32.00	21	35.5	A0		C8	6688	C -34 9230
74	8.9	8.0W	51 30.987	-0.0075	21	-34 48 50.70	-0.028	21	0.42	31.118	22	32.5	50.20	21	32.5	K2		C7	7080	C -34 9232
75	10.3	9.4W	51 32.127	-0.0006	21	-34 39 14.17	-0.049	21	0.42	32.138	22	32.5	13.30	21	32.5	K0	L	C7	7081	C -34 9231
76	9.8	8.3W	51 34.801	0.0002	06	-36 37 24.77	-0.046	06	0.20	34.798	15	35.5	24.10	21	35.5	MA		C8	6689	C -36 8934
77		6.7T	51 43.381	-0.0093	13	-34 21 4.48	-0.071	11	0.64	43.844	18	00.4	0.75	18	97.7	F2		GC	18790	C -33 9417
78	11.0	10.1W	51 55.754	-0.0007	21	-33 8 41.09	-0.034	21	0.42	55.766	22	32.5	40.49	21	32.5	G5	L	C7	7083	C -32 9709
79		9.3W	51 58.630	-0.0026	09	-38 1 8.56	0.031	09	0.22	58.667	15	35.5	9.00	21	35.5	K5	L	C8	6692	C -37 9000
80	10.0	10.0W	52 3.816	0.0034	21	-34 2 5.32	-0.047	21	0.42	3.757	22	32.5	4.49	21	32.5	A2		C7	7084	C -33 9420
81	10.3	9.2W	52 8.261	-0.0045	13	-35 53 36.61	-0.035	13	0.26	8.327	15	35.5	36.10	21	35.5	K0		C8	6693	C -35 9113
82	9.2	7.8W	52 9.760	-0.0009	21	-32 6 45.50	-0.030	21	0.42	9.775	22	32.5	44.97	21	32.5	K5		C7	7085	C -3110752
83	10.8	9.8W	52 13.423	-0.0024	13	-36 50 48.34	-0.044	13	0.26	13.458	15	35.5	47.70	21	35.5	K1	L	C8	6694	C -36 8942
84	11.1	10.0W	52 15.176	-0.0028	21	-31 28 29.54	0.029	21	0.42	15.225	22	32.5	30.06	21	32.5	K0		C7	7086	C -3110755
85	9.7	9.6W	52 19.542	-0.0017	13	-36 27 44.77	0.023	13	0.26	19.567	15	35.5	45.10	21	35.5	F2		C8	6695	C -36 8943
86	11.5	10.2W	52 20.281	-0.0020	21	-32 51 52.33	-0.008	21	0.42	20.317	22	32.5	52.19	21	32.5			C7	7087	C -32 9715
87	10.2	10.0W	52 22.519	-0.0027	21	-33 8 53.57	-0.027	21	0.42	22.566	22	32.5	53.09	21	32.5	A2		C7	7088	C -32 9716
88		7.0T	52 22.795	-0.0027	16	-31 51 15.79	-0.017	12	0.73	22.923	18	01.9	14.93	18	99.0	G5		GC	18808K	C#-3110757
89	10.3	9.4W	52 28.569	-0.0004	21	-31 33 58.67	-0.046	21	0.42	28.575	22	32.5	57.87	21	32.5	K0		C7	7090	C -3110758
90	8.8	8.5W	52 37.754	-0.0181	08	-35 35 15.87	-0.101	08	0.22	38.017	15	35.5	14.40	21	35.5	F5		C8	6696	C -35 9118
91	9.1	8.2W	52 44.578	0.0013	21	-32 29 30.96	0.035	21	0.42	44.555	22	32.5	31.57	21	32.5	K0		C7	7091	C -32 9719
92	10.0	9.0W	52 46.375	-0.0007	21	-34 6 19.50	-0.000	21	0.42	46.387	22	32.5	19.49	21	32.5	K2		C7	7092	C -33 9434
93	10.0	9.0W	52 49.644	0.0016	21	-32 31 54.97	-0.027	21	0.42	49.616	22	32.5	54.49	21	32.5	K0		C7	7093	C -32 9720
94		6.5T	52 51.576	-0.0037	16	-31 2 26.29	0.005	12	0.75	51.756	19	00.9	26.57	18	96.7	K0		GC	18819	C -3011015
95	9.8	9.8W	52 52.408	-0.0013	13	-35 39 0.87	-0.025	13	0.26	52.427	15	35.5	0.50	21	35.5	A2		C8	6697	C -35 9122
96	11.0	9.4W	52 55.062	-0.0025	21	-32 2 6.48	-0.058	21	0.42	55.105	22	32.5	5.47	21	32.5			C7	7095	C -3110767
97	7.3	7.2W	52 58.613	-0.0004	09	-39 9 54.51	0.007	09	0.22	58.618	15	35.5	54.60	21	35.5	A0		C8	6698	C -38 8917
98	9.0	8.7W	53 0.647	-0.0050	21	-31 21 48.22	0.036	21	0.42	0.734	22	32.5	48.86	21	32.5	F5		C7	7096	C -3011016
99	10.5	10.3W	53 1.086	0.0046	21	-31 50 9.16	-0.074	21	0.42	1.005	22	32.5	7.87	21	32.5	G0	L	C7	7097	C -3110769
00		7.0T	53 1.722	0.0001	12	-30 20 1.46	-0.005	11	0.65	1.716	18	97.0	1.16	17	94.7	F5		GC	18821K	C -2910690

205000			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-30° 13H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1	10.8	9.3W	13 53	2.128	-0.0010	21	-32 1	26.42	0.060	21	0.42	2.145	22	32.5	27.47	21	32.5		C7	7099	C -3110771
2	10.2	9.7W	53	2.395	-0.0073	21	-30 28	3.58	-0.002	21	0.42	2.523	22	32.5	3.53	21	32.5	G5	C7	7100	C -3011017
3	9.0	8.0W	53	4.878	-0.0033	21	-32 30	38.72	-0.047	21	0.42	4.936	22	32.5	37.89	21	32.5	K0	C7	7101	C -32 9722
4	10.3	9.5W	53	7.828	-0.0023	21	-34 44	39.43	-0.024	21	0.42	7.868	22	32.5	39.00	21	32.5	G5	L C7	7102	C -34 9247
5	11.0	10.0W	53	8.235	-0.0006	21	-32 57	24.48	0.012	21	0.42	8.247	22	32.5	24.69	21	32.5	K0	L C7	7103	C -32 9723
6		9.7W	53	12.781	-0.0039	13	-37 3	30.29	-0.013	13	0.26	12.838	15	35.5	30.10	21	35.5	K0	C8	6699	C -36 8953
7	7.8	7.6W	53	16.148	-0.0007	18	-38 25	7.55	-0.017	18	0.32	16.157	15	35.5	7.30	21	35.5	F2	C8	6700	C -38 8921
8			53	16.492	-0.0017	18	-36 17	42.23	-0.043	18	0.32	16.517	15	35.5	41.60	21	35.5	G0	L C8	6701	C -35 9126
9	9.4	8.6W	53	16.666	-0.0029	21	-33 37	53.78	-0.039	21	0.42	16.717	22	32.5	53.09	21	32.5	K0	C7	7104	C -33 9436
10	9.2	9.2W	53	22.925	-0.0021	13	-35 18	5.05	-0.010	13	0.26	22.956	15	35.5	4.90	21	35.5	F0	C8	6702	C -34 9250
11	9.2	8.3W	53	27.587	0.0011	21	-34 51	35.46	-0.043	21	0.42	27.568	22	32.5	34.71	21	32.5	K0	C7	7105	C -34 9252
12	9.9	9.8W	53	32.598	-0.0022	21	-33 43	31.76	-0.049	21	0.42	32.637	22	32.5	30.89	21	32.5	A2	C7	7106	C -33 9440
13	10.2	9.9W	53	39.527	-0.0021	18	-38 6	34.47	0.030	18	0.32	39.557	15	35.5	34.90	21	35.5	F5	L C8	6703	C -37 9023
14	8.6	8.6W	53	39.552	-0.0008	21	-35 4	16.35	-0.020	21	0.42	39.566	22	32.5	16.00	21	32.5	A3	C7	7107	C -34 9254
15	11.0	9.7W	53	41.014	0.0022	21	-31 34	49.27	-0.034	21	0.42	40.975	22	32.5	48.67	21	32.5	K0	C7	7108	C -3110779
16		7.1T	53	43.928	0.0018	12	-38 4	29.67	-0.025	10	0.63	43.832	19	96.8	28.28	18	94.6	K0	GC	18836	C -37 9024
17		7.6T	53	51.052	-0.0006	13	-38 9	11.90	-0.003	11	0.66	51.081	22	00.2	11.73	19	95.6	K2	GC	18839	C -37 9025
18		9.2R	53	59.419	-0.0018	17	-30 6	30.75	-0.034	17	0.32	59.448	16	33.4	30.18	16	33.4	K0	M 138	8827	J -2910703
19	11.1	9.6W	54	1.076	0.0000	21	-31 58	25.91	-0.014	21	0.42	1.075	22	32.5	25.67	21	32.5	K2	C7	7109	C -3110782
20		7.7T	54	12.399	-0.0016	13	-34 39	36.79	-0.033	12	0.64	12.473	15	02.4	35.17	15	01.6	K2	GC	18848	C*-34 9257
21	11.0	9.5W	54	12.731	0.0005	21	-30 14	21.45	0.028	21	0.42	12.723	22	32.5	21.93	21	32.5		C7	7111	C -2910704
22	9.7	9.5W	54	14.471	0.0014	21	-33 58	46.56	-0.015	21	0.42	14.447	22	32.5	46.29	21	32.5	F8	C7	7112	C -33 9447
23	10.0	9.7W	54	14.613	-0.0030	21	-33 1	11.23	0.009	21	0.42	14.666	22	32.5	11.39	21	32.5	A5	C7	7113	C -32 9729
24	9.0	9.1W	54	19.562	0.0010	13	-36 49	15.07	-0.032	13	0.26	19.548	15	35.5	14.60	21	35.5	A0	C8	6707	C -36 8965
25	10.5	9.6W	54	22.724	0.0021	21	-34 21	40.76	-0.015	21	0.42	22.687	22	32.5	40.49	21	32.5	G5	L C7	7114	C -33 9448
26	9.0	8.1W	54	24.001	0.0016	06	-36 55	18.40	-0.027	06	0.20	23.978	15	35.5	18.00	21	35.5	K2	C8	6708	C -36 8967
27	9.5	9.6W	54	24.506	-0.0057	13	-39 21	11.55	0.011	13	0.26	24.588	15	35.5	11.70	21	35.5	A2	C8	6709	C -38 8933
28	9.1	8.1W	54	32.910	0.0017	13	-35 11	52.10	-0.034	13	0.26	32.886	15	35.5	51.60	21	35.5	K2	C8	6710	C -34 9261
29	10.9	10.0W	54	33.435	-0.0022	13	-36 28	12.52	-0.001	13	0.26	33.467	15	35.5	12.50	21	35.5	K0	L C8	6711	C -36 8969
30	10.2	9.2W	54	33.571	-0.0048	21	-30 40	44.75	0.006	21	0.42	33.654	22	32.5	44.86	21	32.5	K0	C7	7115	C -3011041
31	10.5	9.9W	54	40.396	-0.0014	13	-35 47	37.77	-0.032	13	0.26	40.417	15	35.5	37.30	21	35.5	F8	L C8	6713	C -35 9142
32	10.5	9.4W	54	40.686	-0.0045	21	-31 24	32.40	-0.037	21	0.42	40.765	22	32.5	31.76	21	32.5	K0	C7	7116	C -3110793
33	9.6	8.6W	54	43.538	-0.0055	13	-36 59	49.29	-0.013	13	0.26	43.618	15	35.5	49.10	21	35.5	K0	C8	6714	C -36 8970
34	10.8	9.7W	54	45.139	-0.0006	09	-37 2	46.32	-0.070	09	0.22	45.148	15	35.5	45.30	21	35.5	K0	L C8	6715	C -36 8971
35	9.7	9.5W	54	45.719	-0.0004	21	-33 27	38.83	-0.002	21	0.42	45.726	22	32.5	38.79	21	32.5	A3	C7	7117	C -33 9455
36	9.1	8.0W	54	46.186	-0.0009	18	-39 5	25.83	-0.015	18	0.32	46.198	15	35.5	25.60	21	35.5	K0	C8	6716	C -38 8938
37	9.9	9.2W	54	49.738	-0.0057	21	-34 56	46.38	-0.078	21	0.42	49.838	22	32.5	45.01	21	32.5	K0	L C7	7118	C -34 9263
38	10.7	9.2W	54	51.674	0.0010	21	-34 8	27.29	-0.011	21	0.42	51.657	22	32.5	27.06	21	32.5	K2	L C7	7119	C -33 9457
39	9.1	9.0W	54	56.069	-0.0062	21	-34 45	2.66	-0.014	21	0.42	56.178	22	32.5	2.40	21	32.5	A3	C7	7120	C -34 9264
40	10.2	9.0W	54	59.658	-0.0027	23	-36 14	10.33	0.019	23	0.38	59.697	15	35.5	10.60	21	35.5	K5	C8	6717	C -35 9144
41		7.5T	55	1.945	0.0017	13	-37 55	31.83	-0.027	12	0.69	1.857	21	98.3	30.39	19	96.8	A2	GC	18865	C*-37 9044
42	8.6	7.5W	55	2.233	-0.0041	21	-30 43	16.05	-0.057	21	0.42	2.305	22	32.5	15.06	21	32.5	K0	C7	7121	C -3011049
43	10.0	9.2W	55	2.640	0.0000	13	-39 43	14.51	-0.000	13	0.26	2.639	15	35.5	14.50	21	35.5	K0	L C8	6719	C -39 8586
44		8.4T	55	3.199	-0.0013	22	-33 56	49.36	0.012	17	0.98	3.261	27	03.2	49.93	24	01.7	K0	GC	18868	C -33 9458
45		8.0T	55	8.258	-0.0045	16	-33 44	2.88	0.004	12	0.73	8.484	18	00.0	3.07	17	97.9	G5	GC	18870	C -33 9460
46		7.5T	55	12.027	-0.0030	16	-34 9	5.55	-0.022	13	0.75	12.173	19	01.6	4.43	19	99.5	K0	GC	18873	C -33 9461
47	10.5	10.0W	55	15.840	-0.0112	21	-31 58	10.15	-0.039	21	0.42	16.035	22	32.5	9.47	21	32.5	G5	L C7	7125	C -3110800
48	10.2	10.0W	55	19.950	-0.0050	21	-34 56	6.58	0.002	21	0.42	20.038	22	32.5	6.60	21	32.5	G0	L C7	7126	C -34 9267
49		9.7W	55	23.699	-0.0019	23	-35 37	5.52	0.047	23	0.38	23.726	15	35.5	6.20	21	35.5	K0	L C8	6720	C -35 9151
50		7.8T	55	40.990	-0.0057	16	-34 9	14.11	-0.016	13	0.75	41.268	19	01.5	13.26	19	97.9	K5	GC	18885K	C -33 9466
51	10.6	9.4W	13 55	41.429	0.0008	21	-30 53	55.17	0.033	21	0.42	41.415	22	32.5	55.76	21	32.5	K0	C7	7128	C -3011059
52	10.2	9.9W	55	42.473	-0.0003	09	-37 3	37.51	-0.111	09	0.22	42.478	15	35.5	35.90	21	35.5	F8	L C8	6721	C -36 8986
53	11.0	10.1W	55	42.617	-0.0011	21	-32 42	40.88	-0.005	21	0.42	42.637	22	32.5	40.79	21	32.5	K0	L C7	7129	C -32 9749
54		8.1T	55	42.864	-0.0367	16	-33 45	14.76	-0.292	11	0.71	44.676	17	00.7	59.76	15	98.7	G0	GC	18888	C*-33 9467
55	10.1	9.8W	55	43.740	-0.0018	13	-35 11	41.13	0.005	13	0.26	43.766	15	35.5	41.20	21	35.5	G0	L C8	6722	C -34 9272
56	9.7	8.6W	55	45.403	-0.0031	21	-34 42	41.98	-0.004	21	0.42	45.458	22	32.5	41.91	21	32.5	K5	C7	7131	C -34 9273
57	9.7	9.0W	55	46.341	0.0032	21	-30 49	22.88	-0.059	21	0.42	46.285	22	32.5	21.86	21	32.5	F8	C7	7132	C -3011061
58	10.3	9.9W	55	54.291	-0.0156	09	-35 39	17.73	0.019	09	0.22	54.517	15	35.5	18.00	21	35.5	G0	L C8	6723	C -35 9161
59	10.7	9.1W	55	58.378	0.0030	21	-32 32	59.32	-0.013	21	0.42	58.326	22	32.5	59.09	21	32.5	K0	C7	7133	C -32 9752
60	9.8	9.6W	56	0.859	-0.0038	21	-32 53	39.25	-0.055	21	0.42	0.926	22	32.5	38.29	21	32.5	F2	C7	7134	C -32 9753
61	10.5	10.0W	56	4.889	-0.0013	18	-36 48	55.77	-0.018	18	0.32	4.908	15	35.5	55.50	21	35.5	G2	L C8	6725	C -36 8994
62	8.9	7.6W	56	10.118	-0.0007	18	-37 21	11.29	-0.020	18	0.32	10.128	15	35.5	11.00	21	35.5	K2	C8	6726	C -36 8995
63	10.2	9.5W	56	13.207	-0.0029	18	-38 33	45.67	0.016	18	0.32	13.248	15	35.5	45.90	21	35.5	G8	L C8	6727	C -38 8955
64	8.1	8.0W	56	14.168	-0.0022	13	-39 52	53.57	-0.032	13	0.26	14.199	15	35.5	53.10	21	35.5	F0	C8	6728	C -39 8603
65	10.2	9.4W	56	20.258	-0.0020	13	-36 6	24.50	0.021	13	0.26	20.287	15	35.5	24.80	21	35.5	K5	C8	6729	C -35 9168
66	8.2	8.1W	56	28.832	-0.0019	21	-31 30	4.45	-0.033	21	0.42	28.865	22	32.5	3.87	21	32.5	F0	C7	7135	C -3110812
67	8.8	8.9W	56	29.682	0.0010	13	-37 4	52.66	-0.059	13	0.26	29.668	15	35.5	51.80	21	35.5	F0	C8	6730	C -36 8997
68	9.2	7.9W	56	44.084	-0.0025	13	-39 40	54.85	0.004	13	0.26	44.119	15	35.5	54.90	21	35.5	K2	C8	6731	C -39 8610
69	10.1	9.8W	56	45.632	-0.0031	13	-35 35	8.82	-0.042	13	0.26	45.677	15	35.5	8.20	21	35.5	G0	L C8	6732	C -35 9172
70	7.7	8.2W	56	47.983	0.0027	21	-33 17	49.40	-0.029	21	0.42	47.937	22	32.5	48.89	21	32.5	B5	C7	7136	C -32 9762
71	10.3	10.1W	56	48.776	-0.0049	13	-35 37	11.83	-0.022	13	0.26	48.847	15	35.5	11.50	21	35.5	G0	L C8	6733	C -35 9173
72	10.5	9.8W	56	49.666	0.0023	21	-32 16	24.98	0.102	21	0.42	49.625	22	32.5	26.77	21	32.5	K0	C7	7137	C -3110817
73	10.6	9.3W	56	57.392	0.0032	21	-31 47	17.50	-0.019	21	0.42	57.335	22	32.5	17.17	21	32.5	K5	C7	7138	C -3110819
74	10.1	8.7W	56	58.621	0.0031	13	-35 22	5.44	0.032	13	0.26	58.576	15	35.5	5.90	21	35.5	K5	C8	6734	C -34 9283
75	9.6	9.6W	57	7.871	-0.0015	21	-34 20	46.68	0.007	21	0.42	7.897	22	32.5	46.80	21	32.5	A3	C7	7139	C -33 9480
76	8.9	8.1W	57	16.338	-0.0020	08	-35 32	8.21	0.055	08	0.22	16.367	15	35.5	9.00	21	35.5	K0	C8	6735	C -35 9177
77	10.1	10.2W	57	16.502	0.0032	21	-32 41	39.83	-0.008	21	0.42	16.447	22	32.5	39.69	21	32.5	A2	C7	7140	C -32 9767
78	9.9	9.0W	57	18.304	-0.0003	13	-36 52	35.99	-0.013	13	0.26	18.308	15	35.5	35.80	21	35.5	K0	C8	6736	C -36 9010
79		7.9T	57	23.153	0.0038	11	-37 9	22.31	-0.042	11	0.46	23.000	14	09.8	20.58	14	08.9	K0	GC	18923	C -36 9011
80	9.0	9.1W	57	26.800	-0.0009	21	-35 2	21.62	-0.047	21	0.42	26.816	22	32.5	20.79	21	32.5	A0	C7	7141	C -34 9287
81	8.5	8.3W	57	27.619	-0.0026	08	-35 46	43.25	-0.065	08	0.22	27.656	15	35.5	42.30	21	35.5	F2	C8	6739	C -35 9179
82	10.7	9.8W	57	28.482	-0.0046	21	-31 27	36.21	-0.053	21	0.43	28.564	22	32.0	35.26	21	32.0	K0	L C7	7142	C -3110822
83	10.4	9.1W	57	29.700	0.0019	21	-32 49	2.92	-0.035	21	0.43	29.667	22	32.0	2.29	21	32.0	K5	C7	7143	C -32 9769
84	7.7	8.1W	57	31.738	-0.0006	05	-35 32	37.74	-0.016	05	0.20	31.747	15	35.5	37.50	21	35.5	A0	C8	6741	C -35 9181
85	9.5	8.5W	57	32.999	-0.0047	13	-36 22	28.12	-0.049	13	0.26	33.067	15	35.5	27.40	21	35.5	K0	C8	6742	C -36 9013
86	8.6	8.7W	57	38.270	-0.0004	21	-34 26	32.73	-0.024	21	0.43	38.277	22	32.0	32.29	21	32.0	A0	C7	7144	C -34 9291
87	10.0	8.9W	57	47.839	-0.0046	13	-35 14	7.37	0.009	13	0.26	47.906	15	35.5	7.50	21	35.5	K2	L C8	6744	C -34 9295
88	10.1	9.0W	57	51.481	0.0010	13	-35 40	44.47	-0.032	13	0.26	51.467	15	35.5	44.00	21	35.5	K2	L C8	6745	C -35 9186
89	10.5	9.1W	57	53.145	-0.0029	13	-36 19	29.94	-0.016	13	0.26	53.187	15	35.5	29.70	21	35.5	K5	L C8	6746	C -35 9187
90	9.5	8.8W	57	56.404	-0.0007	21	-33 53	10.27	-0.004	21	0.43	56.417	22	32.0	10.19	21	32.0	K0	C7	7145	C -33 9486
91	10.0	9.6W	58	1.506	-0.0044	21	-31 5	23.23	-0.010	21	0.43	1.585	22	32.0	23.06	21	32.0	F2	C7	7146	C -3011088
92	8.9	8.7W	58	4.324	-0.0389	09	-37 48	30.04	-0.078	09	0.22	4.887	15	35.5	28.90	21	35.5	F5	C8	6748	C -37 9083
93		6.9T	58	9.040	0.0091	11	-37 13	42.02	-0.053	10	0.61	8.558	19	97.1	39.09	18	94.8	K0	GC	18932	C -36 9022
94	10.5	9.4W	58	10.759	-0.0039	13	-35 9	56.41	0.027	13	0.26	10.816	15	35.5	56.80	21	35.5	K0	L C8	6750	C -34 9299
95	10.8	9.8W	58	11.135	-0.0023	21	-32 3	34.92	0.014	21	0.43	11.175	22	32.0	35.17	21	32.0	K0	C7	7148	C -3110834
96		6.3T	58	17.254	-0.0034	11	-39 58	51.04	-0.010	09	0.58	17.435	19	96.8	50.46	18	92.7	K0	GC	18936K	C -39 8628
97	10.7	10.3W	58	20.026	-0.0033	21	-31 53	41.86	0.006	21	0.43	20.085	22	32.0	41.97	21	32.0	F5	C7	7149	C -3110836
98	9.1	7.6W	58	20.613	-0.0011	13	-39 25	41.71	-0.000	13	0.26	20.628	15	35.5	41.70	21	35.5	K5	C8	6753	C -39 8629
99		7.5T	58	22.791	-0.0037	13	-37 5	24.18	0.000	11	0.65	22.973	19	00.6	24.18	18	96.1	MB	GC	18937	C -36 9025
00	11.3	10.5W	58	24.004	-0.0029	21	-33 4	41.29	-0.000	21	0.43	24.057	22	32.0	41.29	21	32.0		C7	7150	C -32 9785

205100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 13H DM NUMBER
1	9.5	8.8W	13 58 29.190	-0.0025	21	-31 6 8.94	-0.005	21	0.43	29.235	22	32.0	8.86	21	32.0	G5	C7	7151	C -3011098
2	7.9	7.6W	58 31.886	-0.0066	21	-31 22 43.54	-0.083	21	0.43	32.004	22	32.0	42.06	21	32.0	F5	C7	7152	C -3110839
3	11.0	9.8W	58 37.266	-0.0012	21	-34 49 17.74	-0.007	21	0.43	37.288	22	32.0	17.60	21	32.0	K	C7	7153	C -34 9304
4	9.9	9.8W	58 41.231	0.0023	13	-37 14 57.80	-0.055	13	0.26	41.198	15	35.5	57.00	21	35.5	F5	C8	6755	C -36 9030
5	7.5	7.6W	58 44.642	-0.0032	09	-39 11 50.01	-0.028	09	0.22	44.686	15	35.5	49.60	21	35.5	A2	C8	6756	C -38 8988
6	10.5	9.8W	58 46.438	-0.0000	21	-34 36 14.42	-0.045	21	0.43	46.438	22	32.0	13.60	21	32.0	G5	C7	7154	C -34 9309
7	9.0	9.1W	58 53.953	-0.0011	13	-38 43 48.68	-0.026	13	0.26	53.968	15	35.5	48.30	21	35.5	A2	C8	6757	C -38 8990
8	10.1	9.8W	59 8.997	-0.0011	21	-33 59 18.49	-0.044	21	0.43	9.017	22	32.0	17.69	21	32.0	F5	C7	7155	C -33 9496
9	10.5	9.5W	59 9.159	-0.0026	21	-32 0 4.48	-0.056	21	0.43	9.205	22	32.0	3.47	21	32.0	K0	C7	7156	C -3110848
10	11.2	10.4W	59 12.338	0.0029	21	-32 55 43.41	0.038	21	0.43	12.286	22	32.0	44.09	21	32.0		C7	7157	C -32 9794
11	10.5	9.3W	59 14.057	-0.0014	13	-37 0 51.18	-0.033	13	0.26	14.078	15	35.5	50.70	21	35.5	K2	C8	6759	C -36 9037
12		7.1T	59 24.286	0.0008	26	-35 56 19.22	-0.014	32	1.26	24.259	22	06.3	18.61	24	07.2	A0	GC	18952	C*-35 9210
13	10.3	9.9W	59 24.932	-0.0031	18	-36 3 32.73	-0.015	16	0.32	24.976	15	35.5	32.50	21	35.5	F8	C8	6761	C -35 9211
14	10.0	8.9W	59 25.762	-0.0046	21	-31 17 21.57	0.010	21	0.43	25.844	22	32.0	21.76	21	32.0	K0	C7	7158	C -3011108
15			59 29.705	-0.0056	23	-36 28 56.09	0.029	25	0.38	29.787	15	35.5	56.50	21	35.5		C8	6762	C -36 9040
16	11.0	10.6W	59 33.237	-0.0038	21	-33 25 43.82	0.004	21	0.43	33.306	22	32.0	43.89	21	32.0	G0	C7	7159	C -33 9498
17	9.0	8.5W	59 35.907	-0.0083	06	-35 33 18.06	-0.059	06	0.20	36.027	15	35.5	17.20	21	35.5	G5	C8	6763	C -35 9215
18	10.7	9.6W	59 38.223	0.0031	08	-36 55 12.92	-0.049	08	0.22	38.178	15	35.5	12.20	21	35.5	K0	C8	6764	C -36 9043
19	9.1	9.2W	59 41.085	-0.0029	13	-35 37 37.93	-0.057	13	0.26	41.127	15	35.5	37.10	21	35.5	A0	C8	6765	C -35 9216
20	8.2	8.0W	59 56.625	-0.0146	21	-34 56 31.03	-0.079	21	0.43	56.888	22	32.0	29.60	21	32.0	F8	C7	7160	C -34 9320
21	11.1	10.4W	14 0 2.629	-0.0004	21	-33 25 7.56	-0.037	21	0.43	2.636	22	32.0	6.89	21	32.0	G2	C7	7161	C -33 9505
22	10.2	10.2W	0 4.256	0.0006	13	-35 40 48.71	-0.069	13	0.26	4.247	15	35.5	47.70	21	35.5	A2	C8	6766	C -35 9221
23		6.3T	0 7.063	0.0017	09	-31 26 41.18	0.079	08	0.52	6.967	15	94.5	45.86	15	90.9	F5	GC	18966	C*-3110859
24	7.8	7.8W	0 9.524	0.0043	21	-34 18 0.45	-0.014	21	0.43	9.447	22	32.0	0.19	21	32.0	F0	C7	7163	C -33 9508
25	7.7	8.2W	0 9.794	-0.0003	07	-39 27 46.20	-0.055	07	0.21	9.798	15	35.5	45.40	21	35.5	B9	C8	6767	C -39 8653
26	10.6	9.7W	0 16.098	-0.0005	21	-34 24 19.01	-0.034	21	0.43	16.107	22	32.0	18.40	21	32.0		C7	7164	C -34 9325
27	9.2	8.6W	0 23.338	-0.0110	21	-33 12 16.93	-0.052	21	0.43	23.536	22	32.0	15.99	21	32.0	K0	C7	7165	C -32 9811
28	10.6	10.2W	0 24.425	-0.0009	13	-37 10 12.72	0.075	13	0.26	24.438	15	35.5	13.80	21	35.5	G0	C8	6768	C -36 9052
29	10.0	9.5W	0 31.137	0.0013	15	-38 29 35.09	-0.013	15	0.28	31.117	15	35.5	34.90	21	35.5	G0	C8	6769	C -38 9012
30	9.4	8.8W	0 35.905	-0.0029	13	-36 13 26.08	-0.053	13	0.26	35.947	15	35.5	27.30	21	35.5	K0	C8	6770	C -35 9226
31	9.7	8.4W	0 37.847	-0.0020	21	-30 21 28.36	-0.029	21	0.43	37.883	22	32.0	27.83	21	32.0	K2	C7	7166	C -2910777
32	10.3	9.9W	0 40.383	-0.0013	21	-32 18 51.54	-0.015	21	0.43	40.405	22	32.0	51.27	21	32.0		C7	7167	C -3110870
33	9.7	9.0W	0 41.150	0.0008	21	-33 14 41.99	-0.061	21	0.43	41.136	22	32.0	40.89	21	32.0	K0	C7	7168	C -32 9814
34	10.8	9.4W	0 58.851	-0.0008	21	-33 18 20.99	0.039	21	0.43	58.866	22	32.0	21.69	21	32.0		C7	7169	C -32 9817
35	10.2	9.2W	0 58.932	-0.0008	21	-33 54 48.49	-0.005	21	0.43	58.947	22	32.0	48.40	21	32.0	K5	C7	7170	C -33 9521
36	8.9	7.9W	1 1.013	-0.0031	06	-38 13 11.96	0.003	06	0.20	1.057	15	35.5	12.00	21	35.5	K0	C8	6773	C -37 9121
37	9.5	7.9W	1 2.875	0.0005	08	-37 31 58.02	-0.006	08	0.22	2.867	15	35.5	58.10	21	35.5	K5	C8	6774	C -37 9123
38		8.6T	1 5.514	-0.0004	14	-37 2 38.49	-0.037	16	0.74	5.533	19	02.3	36.76	19	03.2	A5	GC	18987	C -36 9061
39		7.0T	1 7.611	-0.0016	11	-37 1 27.75	-0.032	11	0.63	7.695	19	97.6	26.03	19	96.3	F8	GC	18988K	C*-36 9062
40		9.4T	1 18.760	-0.0020	14	-32 51 59.55	-0.056	14	0.70	18.855	24	03.8	56.96	24	03.8	K2	GC	18992	C -32 9819
41	9.5	9.1W	1 19.067	-0.0039	21	-34 16 54.91	-0.028	21	0.43	19.137	22	32.0	54.40	21	32.0	F8	C7	7172	C -33 9526
42	10.6	9.6W	1 23.085	-0.0023	21	-33 5 57.02	-0.029	21	0.43	23.127	22	32.0	56.49	21	32.0	K0	C7	7173	C -32 9820
43		7.3T	1 38.995	0.0017	13	-35 24 20.64	-0.004	12	0.66	38.911	18	00.0	20.42	18	98.0	F0	GC	18997K	C*-35 9242
44	8.2	8.3W	1 39.559	0.0018	21	-33 32 9.27	0.013	21	0.43	39.527	22	32.0	9.50	21	32.0	A2	C7	7174	C -33 9528
45	10.4	9.1W	1 45.544	0.0043	21	-34 11 51.42	-0.073	21	0.43	45.467	22	32.0	50.09	21	32.0	K5	C7	7175	C -33 9530
46	10.7	9.1W	1 50.991	0.0008	21	-34 19 25.58	0.018	21	0.43	50.977	22	32.0	25.90	21	32.0	K5	C7	7176	C -33 9532
47	10.1	9.0W	1 51.543	-0.0013	21	-31 41 52.75	-0.049	21	0.43	51.565	22	32.0	51.87	21	32.0	K5	C7	7177	C -3110891
48			1 54.589	-0.0019	13	-36 20 26.18	-0.019	13	0.26	54.617	15	35.5	25.90	21	35.5		C8	6778	C -35 9245
49	9.4	8.0W	1 55.132	-0.0018	09	-38 2 25.92	-0.001	09	0.22	55.157	15	35.5	25.90	21	35.5	K5	C8	6779	C -37 9133
50	9.4	9.2W	1 56.817	-0.0029	15	-39 7 38.91	-0.014	15	0.28	56.858	15	35.5	38.70	21	35.5	A3	C8	6780	C -38 9035
51	9.1	9.1W	14 1 57.180	-0.0026	13	-36 44 16.52	-0.008	13	0.26	57.217	15	35.5	16.40	21	35.5	A2	C8	6781	C -36 9072
52	9.4	8.5W	1 58.013	-0.0031	13	-36 31 26.29	-0.054	13	0.26	58.058	15	35.5	25.50	21	35.5	K0	C8	6782	C -36 9073
53	11.0	9.9W	2 14.150	0.0008	21	-32 18 25.36	-0.033	21	0.43	14.135	22	32.0	24.77	21	32.0		C7	7178	C -3110894
54	10.2	9.2W	2 14.400	-0.0008	21	-30 40 43.10	0.014	21	0.43	14.414	22	32.0	43.36	21	32.0	K0	C7	7179	C -3011141
55	10.1	10.1W	2 17.901	-0.0031	13	-35 27 29.11	-0.007	13	0.26	17.946	15	35.5	29.00	21	35.5	A3	C8	6783	C -35 9246
56	10.5	9.9W	2 20.892	-0.0003	13	-35 55 51.73	-0.043	13	0.26	20.897	15	35.5	51.10	21	35.5		C8	6784	C -35 9248
57	9.8	9.6W	2 21.912	0.0016	13	-39 16 5.62	-0.042	13	0.26	21.888	15	35.5	5.00	21	35.5	G0	C8	6785	C -38 9044
58	9.2	9.0W	2 23.371	-0.0053	18	-37 25 28.12	-0.008	18	0.32	23.447	15	35.5	28.00	21	35.5	A5	C8	6786	C -37 9139
59	9.6	9.1W	2 24.250	0.0030	08	-36 26 16.38	-0.005	08	0.22	24.206	15	35.5	16.30	21	35.5	G5	C8	6787	C -36 9079
60	10.8	9.7W	2 25.775	-0.0028	21	-33 11 0.82	-0.002	21	0.43	25.826	22	32.0	0.79	21	32.0	K0	C7	7180	C -32 9831
61	8.2	8.2W	2 28.567	0.0034	21	-32 26 18.52	-0.025	21	0.43	28.505	22	32.0	18.07	21	32.0	A5	C7	7181	C -32 9832
62	8.3	8.3W	2 31.248	-0.0006	13	-36 18 24.45	-0.072	13	0.26	31.257	15	35.5	23.40	21	35.5	A5	C8	6789	C -35 9249
63	9.6	9.9W	2 32.505	-0.0029	13	-36 18 36.84	-0.030	13	0.26	32.547	15	35.5	36.40	21	35.5		C8	6790	C -35 9249
64	10.5	9.2W	2 35.481	0.0009	13	-36 38 33.36	0.003	13	0.26	35.468	15	35.5	33.40	21	35.5	K0	C8	6791	C -36 9082
65	11.0	10.1W	2 42.668	0.0018	21	-32 56 57.09	0.028	21	0.43	42.636	22	32.0	57.59	21	32.0	G5	C7	7182	C -32 9833
66	10.3	9.4W	2 45.159	-0.0052	21	-30 6 4.35	0.005	21	0.43	45.253	22	32.0	4.43	21	32.0	K0	C7	7183	C -2910809
67	9.6	9.2W	2 49.556	-0.0111	21	-32 10 23.30	0.004	21	0.43	49.755	22	32.0	23.37	21	32.0	G5	C7	7184	C -3110906
68	9.6	8.7W	2 50.986	-0.0048	21	-30 21 14.17	0.015	21	0.43	51.073	22	32.0	14.43	21	32.0	G5	C7	7186	C -2910811
69	9.1	9.2W	2 51.008	0.0034	21	-33 57 27.81	-0.056	21	0.43	50.947	22	32.0	26.80	21	32.0	A2	C7	7185	C -33 9539
70	8.9	8.7W	2 51.169	-0.0065	21	-33 27 31.52	-0.146	21	0.43	51.287	22	32.0	28.89	21	32.0	F8	C7	7187	C -33 9540
71	10.6	10.2W	2 51.171	0.0003	13	-35 50 4.62	-0.001	13	0.26	51.166	15	35.5	4.60	21	35.5	G2	C8	6793	C -35 9250
72	9.4	8.5W	2 54.862	-0.0003	07	-35 46 44.40	-0.027	07	0.21	54.866	15	35.5	44.00	21	35.5	K2	C8	6795	C -35 9251
73		7.6T	2 56.630	-0.0002	12	-37 29 26.65	-0.013	12	0.65	56.640	21	98.8	25.96	21	97.0	A0	GC	19016	C -37 9146
74	9.3	8.6W	2 57.822	-0.0065	06	-36 21 20.55	-0.086	06	0.20	57.916	15	35.5	19.30	21	35.5	F8	C8	6797	C -35 9252
75	9.6	9.3W	3 0.083	-0.0013	21	-33 44 54.60	0.039	21	0.43	0.107	22	32.0	55.29	21	32.0	G0	C7	7188	C -33 9543
76	10.4	10.2W	3 4.017	-0.0055	21	-31 44 17.55	-0.010	21	0.43	4.115	22	32.0	17.37	21	32.0	A2	C7	7189	C -3110910
77	10.5	9.9W	3 6.028	0.0024	21	-31 11 35.22	-0.015	21	0.43	5.984	22	32.0	34.96	21	32.0	G0	C7	7190	C -3011150
78	10.4	9.5W	3 10.389	0.0001	21	-34 38 52.43	0.010	21	0.43	10.388	22	32.0	52.60	21	32.0	K0	C7	7191	C -34 9357
79	8.6	7.7W	3 16.154	0.0005	06	-35 55 2.34	-0.002	06	0.20	16.147	15	35.5	2.30	21	35.5	K2	C8	6798	C -35 9255
80	10.8		3 22.519	-0.0020	18	-38 9 53.14	-0.030	18	0.32	22.547	15	35.5	53.70	21	35.5	A8	C8	6801	C -37 9151
81	9.5	9.2W	3 23.825	-0.0024	13	-39 34 24.04	-0.009	13	0.26	23.859	15	35.5	23.90	21	35.5	F5	C8	6802	C -39 8693
82	9.3	8.0W	3 26.370	0.0000	13	-39 44 54.44	-0.023	13	0.26	26.369	15	35.5	54.10	21	35.5	K2	C8	6803	C -39 8694
83	10.3	9.9W	3 31.220	0.0019	21	-31 39 24.22	-0.025	21	0.43	31.185	22	32.0	23.77	21	32.0	G0	C7	7192	C -3110916
84		7.1T	3 32.183	-0.0031	12	-34 39 37.87	0.001	10	0.59	32.337	18	99.8	37.90	18	97.1	M0	GC	19030	C*-34 9364
85	9.9	9.5W	3 33.689	0.0001	21	-34 3 14.50	0.061	21	0.43	33.687	22	32.0	15.60	21	32.0	F8	C7	7194	C -33 9551
86	9.5	9.1W	3 35.288	-0.0243	21	-33 6 34.64	-0.175	21	0.43	35.727	22	32.0	31.49	21	32.0	G0	C7	7195	C -32 9846
87	10.1	9.9W	3 39.556	-0.0014	23	-35 59 12.16	-0.114	23	0.38	39.576	15	35.5	10.50	21	35.5		C8	6805	C -35 9259
88		2.3H	3 43.877	-0.0429	02	-36 7 29.64	-0.523	02	0.07	45.431	04	13.7	10.31	04	13.0	K0	F4	520	C -35 9260
89	10.5	10.1W	3 46.417	-0.0011	21	-34 9 28.03	-0.024	21	0.43	46.437	22	32.0	27.59	21	32.0	G0	C7	7196	C -33 9555
90		9.6R	3 47.296	-0.0046	21	-30 1 45.33	-0.124	21	0.38	47.373	16	33.4	43.26	16	33.4	F5	M 138	8909	J -2910821
91	11.1	10.7W	3 53.778	-0.0182	21	-33 17 57.22	-0.035	21	0.43	54.107	22	32.0	56.59	21	32.0		C7	7197	C -32 9847
92	11.0	9.5W	3 55.366	-0.0039	21	-33 9 37.05	-0.020	21	0.43	55.437	22	32.0	36.69	21	32.0	K	C7	7198	C -32 9849
93	10.5	9.0W	3 59.666	-0.0011	21	-32 22 14.42	-0.103	21	0.43	59.685	22	32.0	12.57	21	32.0	K5	C7	7199	C -32 9850
94		10.1W	4 1.324	-0.0140	13	-35 53 59.65	0.052	13	0.26	1.527	15	35.5	+ 0.40	21	35.5	G8	C8	6807	C -35 9262
95	9.6	8.1W	4 5.553	-0.0023	21	-30 51 48.00	-0.014	21	0.43	5.595	22	32.0	47.76	21	32.0	K5	C7	7200	C -3011166
96		7.3T	4 9.490	-0.0038	12	-35 15 14.70	0.003	11	0.61	9.679	18	00.6	14.86	18	98.2	G5	GC	19044	C -34 9376
97	7.9	7.7W	4 12.679	-0.0081	21	-31 9 45.23	0.007	21	0.43	12.824	22	32.0	45.36	21	32.0	F2	C7	7201	C -3011167
98	11.0	10.0W	4 14.613	-0.0007	21	-31 31 25.67	-0.050	21	0.43	14.625	22	32.0	24.77	21	32.0	K0	C7	7202	C -3110923
99	10.7	9.4W	4 16.036	0.0011	21	-32 33 27.47	-0.099	21	0.43	16.016	22	32.0	25.69	21	32.0	K0	C7	7203	C -32 9853
00	10.1	9.8W	4 20.260	-0.0008	21	-31 22 32.02	0.035	21	0.43	20.274	22	32.0	32.66	21	32.0		C7	7204	C -3110925

205200

EPOCH 1950													ORIGINAL EPOCH							SP.	SOURCE		-30° 14H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	°	′ ″	″	″.001	″		s	″.01		″	″.01						
1	9.1	8.2W	14	4 27.832	0.0004	21	-31	21 0.26	0.033	21	0.43		27.824	22	32.0	0.86	21	32.0	KO		C7	7205	C -3011171
2	9.5	8.6W		4 27.848	-0.0012	09	-35	23 7.74	-0.064	09	0.22		27.866	15	35.5	6.80	21	35.5	K2		C8	6810	C -35 9266
3	10.6	9.7W		4 28.221	-0.0020	21	-33	50 45.34	-0.002	21	0.43		28.257	22	32.0	45.30	21	32.0	G5	L	C7	7206	C -33 9564
4	9.7	8.5W		4 38.756	0.0000	21	-31	38 16.70	-0.024	21	0.43		38.755	22	32.0	16.27	21	32.0	K2		C7	7207	C -3110929
5	10.5	9.7W		4 42.018	-0.0037	21	-30	45 29.01	-0.053	21	0.43		42.084	22	32.0	28.06	21	32.0	KO		C7	7208	C -3011175
6	10.4	10.0W		4 42.281	-0.0026	18	-39	1 22.71	-0.021	18	0.32		42.318	15	35.5	22.40	21	35.5	G		C8	6813	C -38 9081
7	10.6	9.5W		4 42.510	-0.0008	21	-30	50 13.37	-0.001	21	0.43		42.525	22	32.0	13.36	21	32.0	KO		C7	7209	C -3011176
8	9.6	8.7W		4 43.802	-0.0059	21	-34	30 46.76	-0.008	21	0.43		43.908	22	32.0	46.61	21	32.0	K2		C7	7210	C -34 9381
9		7.2T		4 49.340	-0.0020	12	-34	42 43.85	-0.003	10	0.60		49.440	17	98.6	43.67	18	95.5	A0		GC	19063	C -34 9382
10	10.0	9.5W		4 51.137	-0.0056	18	-37	21 20.70	0.014	18	0.32		51.218	15	35.5	20.90	21	35.5	G0		C8	6814	C -37 9169
11	11.3	10.1W		5 1.196	0.0002	21	-30	11 50.25	0.033	21	0.43		1.193	22	32.0	50.83	21	32.0			C7	7212	C -2910836
12	9.3	9.1W		5 5.010	-0.0009	21	-33	5 56.43	-0.063	21	0.43		5.026	22	32.0	55.29	21	32.0	F2		C7	7213	C -32 9863
13	9.8	9.4W		5 6.934	0.0025	23	-36	43 47.54	-0.051	23	0.38		6.898	15	35.5	46.80	21	35.5	G0		C8	6815	C -36 9118
14	11.2	10.2W		5 9.062	0.0008	21	-32	46 45.41	-0.021	21	0.43		9.046	22	32.0	45.79	21	32.0			C7	7214	C -32 9865
15	10.8	10.1W		5 12.573	-0.0003	09	-36	19 42.90	-0.055	09	0.22		12.577	15	35.5	42.10	21	35.5	G2	L	C8	6816	C -35 9277
16	10.4	9.9W		5 13.810	-0.0007	21	-30	18 58.03	-0.055	21	0.43		13.823	22	32.0	57.03	21	32.0	G0		C7	7215	C -2910840
17	9.1	8.2W		5 14.588	-0.0010	21	-32	32 8.91	-0.051	21	0.43		14.607	22	32.0	7.99	21	32.0	K2		C7	7216	C -32 9867
18	9.3	8.6W		5 21.308	0.0017	21	-34	44 6.04	0.021	21	0.43		21.278	22	32.0	6.40	21	32.0	K0		C7	7217	C -34 9386
19		10.0W		5 23.178	-0.0027	13	-35	51 21.85	-0.079	13	0.26		23.217	15	35.5	20.70	21	35.5	K0	L	C8	6817	C -35 9281
20	9.7	8.7W		5 24.571	0.0003	21	-35	3 41.94	-0.019	21	0.43		24.566	22	32.0	41.60	21	32.0	K5		C7	7218	C -34 9387
21	9.1	9.0W		5 24.900	-0.0003	21	-33	9 19.34	0.014	21	0.43		24.907	22	32.0	19.59	21	32.0	F2		C7	7219	C -32 9870
22		7.3T		5 25.256	-0.0037	11	-32	48 57.55	-0.017	12	0.59		25.443	19	00.0	56.71	19	01.3	K0		GC	19074	C -32 9871
23	10.7	9.7W		5 31.005	-0.0056	21	-32	19 40.18	-0.034	21	0.43		31.105	22	32.0	39.57	21	32.0	K0	L	C7	7221	C -3110942
24	10.4	10.1W		5 39.771	-0.0031	21	-34	14 57.71	-0.017	21	0.43		39.827	22	32.0	57.40	21	32.0	G0	L	C7	7222	C -33 9579
25	11.6	10.4W		5 39.861	-0.0003	21	-31	39 16.07	-0.028	21	0.43		39.865	22	32.0	15.57	21	32.0			C7	7223	C -3110945
26	9.6	9.4W		5 40.181	-0.0008	21	-33	22 38.73	0.048	21	0.43		40.196	22	32.0	39.59	21	32.0	F5		C7	7224	C -33 9580
27		9.4W		5 40.735	-0.0029	13	-35	30 8.31	0.007	13	0.26		40.777	15	35.5	8.40	21	35.5	K2	L	C8	6818	C -35 9283
28	9.6	9.4W		5 44.619	0.0000	10	-39	21 14.29	-0.047	10	0.23		44.618	15	35.5	13.60	21	35.5	F2		C8	6819	C -38 9096
29	9.0	7.8W		5 44.982	0.0003	18	-37	58 16.65	0.011	18	0.32		44.977	15	35.5	16.80	21	35.5	K0		C8	6820	C -37 9177
30	10.2	10.0W		5 47.019	-0.0054	21	-33	14 35.74	0.025	21	0.43		47.117	22	32.0	36.19	21	32.0	F0	L	C7	7225	C -32 9878
31	10.0	9.3W		5 53.692	0.0009	21	-33	20 47.89	0.017	21	0.43		53.677	22	32.0	48.19	21	32.0	K0	L	C7	7226	C -32 9881
32	10.4	10.2W		5 56.339	-0.0048	18	-38	47 13.26	-0.024	18	0.32		56.408	15	35.5	12.90	21	35.5	F5	L	C8	6821	C -38 9099
33	10.5	9.5W		6 2.428	0.0007	13	-36	59 57.85	-0.072	13	0.26		2.418	15	35.5	56.80	21	35.5	K0	L	C8	6822	C -36 9128
34	10.1	9.4W		6 2.485	0.0005	21	-32	49 35.49	0.050	21	0.43		2.476	22	32.0	36.39	21	32.0	K0		C7	7227	C -32 9883
35	9.7	9.6W		6 7.994	-0.0066	21	-30	20 9.02	0.018	21	0.43		8.113	22	32.0	9.33	21	32.0	A2		C7	7228	C -2910849
36	9.0	9.0W		6 11.847	-0.0021	21	-30	50 19.32	-0.004	21	0.43		11.885	22	32.0	19.26	21	32.0	A3		C7	7229	C -3011190
37	10.0	9.2W		6 13.466	-0.0028	21	-32	52 17.18	-0.027	21	0.43		13.517	22	32.0	16.69	21	32.0	K2		C7	7230	C -32 9885
38				6 15.416	-0.0090	13	-36	22 53.20	-0.007	13	0.26		15.547	15	35.5	53.10	21	35.5	G2	L	C8	6823	C -36 9136
39	11.2	10.0W		6 15.810	0.0003	21	-31	11 1.04	0.012	21	0.43		15.805	22	32.0	1.26	21	32.0			C7	7231	C -3011191
40	9.5	8.7W		6 22.571	0.0002	21	-33	41 51.22	-0.029	21	0.43		22.567	22	32.0	50.70	21	32.0	K0		C7	7232	C -33 9590
41	7.7	8.0W		6 25.331	-0.0012	09	-38	11 47.08	-0.026	09	0.22		25.347	15	35.5	46.70	21	35.5	A2		C8	6824	C -37 9183
42		7.6T		6 26.914	-0.0040	13	-34	38 45.92	-0.049	11	0.64		27.108	18	00.9	43.31	18	97.2	F8		GC	19096	C -34 9401
43	9.6	9.9W		6 28.582	-0.0010	13	-36	27 34.87	-0.025	13	0.26		28.597	15	35.5	34.50	21	35.5	A3		C8	6825	C -36 9139
44	10.1	9.9W		6 28.756	0.0006	13	-35	33 8.25	-0.058	13	0.26		28.747	15	35.5	7.40	21	35.5	F8	L	C8	6826	C -35 9288
45	10.5	9.2W		6 29.805	-0.0009	13	-36	31 30.89	-0.054	13	0.26		29.818	15	35.5	30.10	21	35.5	G		C8	6827	C -36 9140
46	10.8	10.2W		6 30.418	-0.0076	21	-31	12 57.62	-0.037	21	0.43		30.554	22	32.0	56.96	21	32.0			C7	7234	C -3011192
47		9.9W		6 33.134	-0.0016	13	-36	4 40.54	-0.064	13	0.26		33.157	15	35.5	39.60	21	35.5	K0	L	C8	6828	C -35 9291
48	9.3	7.9W		6 36.344	-0.0028	21	-30	38 1.07	-0.079	21	0.43		36.395	22	32.0	59.66	21	32.0	K2		C7	7235	C -3011196
49	9.6	9.2W		6 51.054	-0.0023	21	-32	58 20.88	0.084	21	0.43		51.096	22	32.0	22.39	21	32.0	G5		C7	7236	C -32 9897
50	9.4	8.5W		7 0.557	0.0019	21	-30	12 23.83	0.056	21	0.43		0.523	22	32.0	24.83	21	32.0	K0		C7	7237	C -2910862
51	10.9	9.9W	14	7 4.295	-0.0049	13	-35	24 16.01	-0.007	13	0.26		4.366	15	35.5	15.90	21	35.5			C8	6829	C -35 9296
52	9.9	9.6W		7 6.988	-0.0011	21	-34	40 47.85	-0.030	21	0.43		7.008	22	32.0	47.30	21	32.0	G0		C7	7238	C -34 9406
53		6.8T		7 18.484	-0.0033	09	-30	23 5.34	-0.019	08	0.34		18.616	09	09.9	4.55	09	09.4	A2		GC	19111	C*-3011209
54	10.5	9.8W		7 23.979	-0.0015	21	-32	21 28.88	0.055	21	0.43		24.005	22	32.0	29.87	21	32.0	K0	L	C7	7240	C -32 9906
55	10.6	9.2W		7 26.535	-0.0043	21	-30	20 1.44	-0.061	21	0.43		26.613	22	32.0	0.33	21	32.0	K0		C7	7241	C -2910868
56	11.6	10.2W		7 27.953	-0.0023	21	-30	43 12.53	0.046	21	0.43		27.994	22	32.0	13.36	21	32.0			C7	7242	C -3011211
57	10.1	9.7W		7 30.372	-0.0087	13	-37	25 24.67	-0.046	13	0.26		30.498	15	35.5	24.00	21	35.5	G		C8	6830	C -37 9199
58	10.6	10.2W		7 37.378	-0.0006	13	-35	49 28.73	-0.029	13	0.26		37.387	15	35.5	28.30	21	35.5	G2	L	C8	6831	C -35 9307
59		8.2T		7 37.478	-0.0001	12	-32	59 59.59	0.039	12	0.63		37.485	19	02.2	+ 1.45	19	02.2	K2		GC	19117	C -32 9910
60	8.7	8.0W		7 38.912	0.0002	13	-39	28 47.92	0.020	13	0.26		38.908	15	35.5	48.20	21	35.5	G5		C8	6832	C -39 8752
61	10.5	9.7W		7 40.211	-0.0086	21	-32	7 35.45	-0.082	21	0.43		40.365	22	32.0	33.97	21	32.0			C7	7244	C -3110960
62	10.2	9.2W		7 41.011	0.0014	21	-32	52 41.27	-0.010	21	0.43		40.987	22	32.0	41.09	21	32.0	K5		C7	7245	C -32 9911
63	10.5	10.0W		7 44.851	-0.0013	21	-30	43 24.70	-0.014	21	0.43		44.875	22	32.0	24.46	21	32.0	A2		C7	7246	C -3011213
64	9.9	8.4W		7 46.043	-0.0003	13	-36	46 57.24	-0.023	13	0.26		46.047	15	35.5	56.90	21	35.5	K2		C8	6833	C -36 9154
65	10.1	9.2W		7 46.763	0.0016	21	-30	56 6.32	-0.037	21	0.43		46.735	22	32.0	5.66	21	32.0	K0		C7	7247	C -3011215
66	9.8	8.6W		7 48.551	0.0002	13	-36	36 9.32	-0.056	13	0.26		48.548	15	35.5	8.50	21	35.5	K0		C8	6834	C -36 9156
67	10.6	9.5W		7 49.219	0.0035	13	-37	6 8.48	0.002	13	0.26		49.168	15	35.5	8.50	21	35.5	K2	L	C8	6835	C -36 9153
68	10.4	8.8W		7 49.501	-0.0019	15	-38	57 1.70	-0.013	15	0.28		49.528	15	35.5	1.50	21	35.5	K5		C8	6836	C -38 9138
69	10.7	9.6W		7 54.944	-0.0009	13	-35	31 57.96	0.010	13	0.26		54.957	15	35.5	58.10	21	35.5	G5	L	C8	6837	C -35 9311
70		6.6T		7 55.908	-0.0005	10	-31	50 26.31	-0.009	11	0.57		55.932	14	97.1	25.82	15	95.2	K0		GC	19122	C -3110964
71	8.8	8.7W		7 59.825	-0.0015	13	-36	1 54.93	-0.057	13	0.26		59.846	15	35.5	54.10	21	35.5	F2		C8	6838	C -35 9312
72	8.9	8.9W		8 0.372	-0.0008	21	-31	33 44.80	-0.007	21	0.43		0.385	22	32.0	44.67	21	32.0	A0		C7	7249	C -3110967
73	11.1	10.5W		8 1.514	-0.0018	21	-32	6 34.05	-0.049	21	0.43		1.545	22	32.0	33.17	21	32.0			C7	7250	C -3110965
74	9.5	8.4W		8 7.651	0.0009	18	-37	40 11.63	-0.043	18	0.32		7.637	15	35.5	11.00	21	35.5	K0		C8	6839	C -37 9209
75	9.6	9.2W		8 8.313	0.0054	21	-33	13 26.59	-0.022	21	0.43		8.217	22	32.0	26.19	21	32.0	G5		C7	7251	C -32 9916
76	10.0	9.8W		8 11.113	-0.0085	21	-32	56 32.37	-0.021	21	0.43		11.266	22	32.0	31.99	21	32.0	F8	L	C7	7252	C -32 9918
77	10.8	10.0W		8 11.381	0.0023	09	-36	50 1.81	-0.069	09	0.22		11.348	15	35.5	0.80	21	35.5	G8	L	C8	6840	C -36 9159
78	9.9	9.9W		8 14.590	0.0002	23	-35	38 11.40	0.035	23	0.38		14.587	15	35.5	11.90	21	35.5			C8	6841	C -35 9314
79	9.9	9.9W		8 15.084	0.0005	13	-35	38 18.35	0.004	13	0.26		15.076	15	35.5	18.40	21	35.5			C8	6842	C -35 9314
80		10.0W		8 24.729	-0.0047	13	-36	17 50.45	-0.010	13	0.26		24.797	15	35.5	50.30	21	35.5			C8	6843	C -35 9315
81	10.4	9.5W		8 26.606	-0.0005	21	-30	52 45.39	-0.013	21	0.43		26.614	22	32.0	45.16	21	32.0	K0		C7	7253	C -3011227
82	9.1	9.1W		8 27.260	-0.0020	21	-31	48 51.38	-0.006	21	0.43		27.295	22	32.0	51.27	21	32.0	A0		C7	7254	C -3110970
83	11.1	9.9W		8 31.382	0.0026	21	-35	1 40.53	0.065	21	0.43		31.336	22	32.0	41.70	21	32.0			C7	7255	C -34 9427
84		7.3T		8 33.051	0.0024	13	-31	56 1.08	-0.000	12	0.71		32.922	17	96.9	1.08	18	94.8	F2		GC	19137	C -3110973
85	10.2	10.0W		8 35.893	-0.0074	21	-33	27 4.62	-0.024	21	0.43		36.027	22	32.0	4.19	21	32.0	G0	L	C7	7257	C -33 9619
86	9.6	9.5W		8 45.955	-0.0015	13	-35	30 2.93	-0.022	13	0.26		45.976	15	35.5	2.60	21	35.5	F5		C8	6844	C -35 9317
87	10.2	9.8W		8 48.238	-0.0065	21	-31	21 17.41	-0.009	21	0.43		48.355	22	32.0	17.26	21	32.0	K0		C7	7258	C -3110977
88	10.6	10.5W		8 49.332	0.0020	21	-32	49 10.20	-0.028	21	0.43		49.297	22	32.0	9.69	21	32.0	A0	L	C7	7259	C -32 9927
89	10.6			8 49.519	0.0001	18	-38	28 11.01	-0.014	16	0.32		49.517	15	35.5	10.80	21	35.5	F8	L	C8	6845	C -38 9150
90	10.4	9.2W		8 51.459	-0.0003	21	-31	25 40.47	-0.001	21	0.43		51.464	22	32.0	40.46	21	32.0	K2		C7	7260	C -3110978
91	10.9	9.5W		8 59.785	-0.0039	21	-30	41 12.24	-0.016	21	0.43		59.854	22	32.0	11.96	21	32.0	K2		C7	7261	C -3011232
92	11.0	9.5W		9 0.852	-0.0003	21	-34	8 52.01	-0.028	21	0.43		0.847	22	32.0	51.49	21	32.0			C7	7262	C -33 9627
93	10.0	9.6W		9 4.093	-0.0013	21	-33	42 42.69	-0.033	21	0.43		4.117	22	32.0	42.09	21	32.0			C7	7263	C -33 9629
94	10.3	10.2W		9 5.226	-0.0066	21	-31	11 37.35	-0.039	21	0.43		5.345	22	32.0	36.66	21	32.0	G0		C7	7264	C -3011233
95	8.9	8.6W		9 17.078	-0.0022	10	-39	30 57.41	-0.111	10	0.23		17.109	15	35.5	55.80	21	35.5	F8		C8	6847	C -39 8763
96	9.9	8.7W		9 19.755	-0.0045	13	-39	40 29.50	-0.048	13	0.26		19.819	15	35.5	28.80	21	35.5	G5		C8	6848	C -39 8764
97	9.6	9.5W		9 23.166	-0.0083	21	-31	53 22.75	-0.010	21	0.43		23.315	22	32.0	22.57	21	32.0	A5		C7	7265	C -3110984
98	10.6	9.8W		9 26.717	-0.0016	21	-32	39 36.41	0.010	21	0.43		26.747	22	32.0	36.59	21	32.0	K0		C7	7266	C*-32 9936
99	9.6	8.6W		9 28.074	-0.0029	08	-35	22 22.71	0.041	08	0.22		28.116	15	35.5	23.30	21	35.5	K2		C8	6849	C -35 9322
00	10.4	9.8W		9 31.312	0.0003	21	-34	24 23.41	0.016	21	0.43		31.307	22	32.0	23.69	21	32.0	G2	L	C7	7267	C -34 9441

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 14H DM NUMBER
1	9.7	8.5W	14 9 34.469	-0.0025	13	-35 10 30.01	-0.028	13	0.26	34.506	15	35.5	29.60	21	35.5	K5		C8	6850	C -34 9442
2	10.7	10.3W	9 37.999	-0.0043	21	-33 4 10.00	-0.006	21	0.43	38.077	22	32.0	9.89	21	32.0	G0	L	C7	7268	C -32 9938
3	11.2	10.1W	9 38.008	-0.0077	21	-33 37 20.36	0.008	21	0.43	38.147	22	32.0	20.50	21	32.0	K0	L	C7	7269	C -33 9637
4	8.4	8.7W	9 41.250	0.0028	07	-39 33 24.15	-0.024	07	0.21	41.209	15	35.5	23.80	21	35.5	A0		C8	6851	C -39 8769
5		9.1R	9 42.178	-0.0006	18	-30 0 9.96	0.033	18	0.34	42.186	16	33.4	10.50	16	33.4	K0	M	13B	8963	J -2910901
6	10.5	10.0W	9 47.724	-0.0101	21	-31 33 30.56	0.056	21	0.43	47.905	22	32.0	31.57	21	32.0	G2	L	C7	7270	C -3110986
7	10.4	9.3W	9 48.816	-0.0008	13	-36 33 34.77	-0.032	13	0.26	48.828	15	35.5	34.30	21	35.5	K0	L	C8	6852	C -36 9177
8	9.8	9.5W	9 51.057	-0.0015	18	-38 37 20.31	-0.014	18	0.32	51.078	15	35.5	20.10	21	35.5	F8		C8	6853	C -38 9166
9	11.1	9.8W	9 51.729	-0.0009	21	-31 4 17.60	-0.008	21	0.43	51.745	22	32.0	17.46	21	32.0			C7	7271	C -3011247
10	10.2	10.0W	9 52.733	-0.0013	21	-34 18 27.83	-0.007	21	0.43	52.757	22	32.0	27.69	21	32.0	F5	L	C7	7272	C -33 9641
11	8.9	8.9W	9 54.799	-0.0026	21	-32 44 21.68	0.023	21	0.43	54.846	22	32.0	22.09	21	32.0	A2		C7	7273	C -32 9942
12	8.9	8.6W	10 3.306	-0.0045	21	-34 23 9.84	-0.069	21	0.43	3.387	22	32.0	8.59	21	32.0	F8		C7	7274	C -34 9446
13	10.2	9.3W	10 5.206	-0.0022	13	-36 41 8.48	-0.012	13	0.26	5.238	15	35.5	8.30	21	35.5	G8	L	C8	6854	C -36 9182
14	8.2	7.9W	10 5.295	-0.0050	21	-31 0 16.18	-0.035	21	0.43	5.385	22	32.0	15.56	21	32.0	F5		C7	7275	C -3011251
15	8.5	8.3W	10 16.126	0.0028	21	-33 20 6.87	-0.032	21	0.43	16.077	22	32.0	6.29	21	32.0	F2		C7	7276	C -32 9946
16	7.8	7.9W	10 18.294	0.0003	13	-39 44 41.75	0.004	13	0.26	18.289	15	35.5	41.80	21	35.5	A2		C8	6855	C -39 8775
17	10.5	9.6W	10 19.127	-0.0000	21	-33 48 52.98	0.029	21	0.43	19.127	22	32.0	53.49	21	32.0	K2	L	C7	7277	C -33 9644
18		8.9T	10 19.619	0.0004	11	-33 16 32.26	-0.033	10	0.57	19.596	19	99.0	30.55	21	98.2	A0		GC	19171K	C -32 9948
19	10.1	9.6W	10 21.158	-0.0010	21	-32 9 58.21	0.042	21	0.43	21.175	22	32.0	58.97	21	32.0	G5		C7	7279	C -3110992
20		7.8T	10 26.232	-0.0021	10	-33 17 3.84	-0.033	09	0.53	26.345	19	97.6	2.05	19	96.1	F0		GC	19173	C -32 9951
21	10.7	9.1W	10 27.636	-0.0035	13	-35 31 16.52	-0.035	13	0.26	27.686	15	35.5	16.00	21	35.5	K2	L	C8	6857	C -35 9337
22	10.4	9.6W	10 37.211	0.0008	13	-39 40 16.52	-0.049	13	0.26	37.199	15	35.5	15.80	21	35.5	K0		C8	6858	C -39 8779
23	11.1	10.3W	10 38.299	0.0020	21	-30 17 41.67	0.004	21	0.43	38.263	22	32.0	41.73	21	32.0			C7	7281	C -2910911
24	11.2	9.8W	10 43.895	-0.0023	21	-31 30 7.04	-0.026	21	0.43	43.935	22	32.0	6.57	21	32.0	K0	L	C7	7282	C -3111000
25	7.3	7.3W	10 45.685	-0.0063	06	-36 23 14.89	-0.061	06	0.20	45.777	15	35.5	14.00	21	35.5	F0		C8	6859	C -36 9194
26	10.1	8.8W	10 54.147	-0.0021	18	-37 51 46.54	-0.016	18	0.32	54.177	15	35.5	46.30	21	35.5	G8	L	C8	6860	C -37 9248
27	9.6	9.5W	10 57.073	0.0014	21	-34 52 15.00	-0.027	21	0.43	57.048	22	32.0	14.50	21	32.0	G0		C7	7283	C -34 9465
28		10.2W	10 57.640	0.0024	21	-33 31 42.83	0.004	21	0.43	57.597	22	32.0	42.89	21	32.0			C7	7284	C -33 9653
29		8.1T	10 58.615	0.0026	10	-31 48 51.38	-0.080	09	0.43	58.502	12	07.2	47.91	12	06.5	F5		GC	19186	C -3111004
30	10.2	9.7W	10 58.844	-0.0007	21	-34 10 53.30	-0.022	21	0.43	58.857	22	32.0	52.90	21	32.0	G0	L	C7	7286	C -33 9654
31	9.5	9.1W	11 11.318	-0.0021	18	-38 59 44.42	0.006	18	0.32	11.348	15	35.5	44.50	21	35.5	F8		C8	6861	C -38 9184
32	10.7	10.2W	11 14.410	-0.0026	21	-33 43 10.89	-0.066	21	0.43	14.457	22	32.0	9.70	21	32.0	G0	L	C7	7287	C -33 9656
33	10.4	9.7W	11 24.229	-0.0088	13	-36 28 2.18	-0.095	13	0.26	24.357	15	35.5	0.80	21	35.5	K0	L	C8	6862	C -36 9203
34	8.0	8.5W	11 33.377	0.0005	21	-34 52 1.63	-0.051	21	0.43	33.368	22	32.0	0.70	21	32.0	B8		C7	7288	C -34 9466
35	10.6	9.9W	11 37.448	-0.0019	13	-35 13 17.51	-0.028	13	0.26	37.476	15	35.5	17.10	21	35.5	K0	L	C8	6863	C -34 9467
36	10.0	9.9W	11 37.846	-0.0015	21	-30 17 53.50	0.041	21	0.43	37.873	22	32.0	54.23	21	32.0	F2		C7	7289	C -2910924
37	9.4	9.4W	11 39.054	0.0021	21	-33 19 36.64	-0.047	21	0.43	39.017	22	32.0	35.79	21	32.0	A2		C7	7290	C -32 9960
38	10.3	9.3W	11 39.412	-0.0058	13	-36 7 47.95	0.011	13	0.26	39.497	15	35.5	48.10	21	35.5	G5		C8	6864	C -35 9354
39	9.7	9.7W	11 40.224	-0.0018	21	-32 23 16.08	-0.034	21	0.43	40.255	22	32.0	15.47	21	32.0	A3		C7	7291	C -32 9961
40	8.7	8.7W	11 42.926	-0.0001	13	-38 8 53.83	-0.029	13	0.26	42.927	15	35.5	53.40	21	35.5	F0		C8	6865	C -37 9260
41	11.0	9.5W	11 45.645	-0.0022	13	-35 45 25.68	-0.067	13	0.26	45.676	15	35.5	24.70	21	35.5	K2	L	C8	6866	C -35 9357
42	10.2	8.7W	11 46.056	-0.0014	13	-36 2 30.19	-0.047	13	0.26	46.076	15	35.5	29.50	21	35.5	K5		C8	6867	C -35 9356
43		7.1T	11 47.527	-0.0012	17	-30 49 5.65	-0.067	13	0.77	47.584	18	01.8	2.29	17	99.6	F0		GC	19215	C -3011268
44	8.1	8.2W	11 48.318	-0.0021	21	-31 33 11.32	-0.008	21	0.43	48.355	22	32.0	11.17	21	32.0	A2		C7	7293	C -3111015
45	9.7	9.5W	11 50.405	0.0004	21	-34 30 49.84	-0.007	21	0.43	50.398	22	32.0	49.70	21	32.0	F8	L	C7	7294	C -34 9470
46	10.7	10.3W	11 51.295	-0.0023	21	-32 48 25.93	-0.041	21	0.43	51.337	22	32.0	25.19	21	32.0	F5	L	C7	7295	C -32 9963
47	9.7	8.7W	11 54.669	-0.0059	21	-30 55 34.36	0.033	21	0.43	54.774	22	32.0	34.96	21	32.0	K2		C7	7296	C -3011269
48	9.8	8.4W	11 58.293	-0.0007	21	-32 4 15.41	-0.019	21	0.43	58.305	22	32.0	15.07	21	32.0	K5		C7	7297	C -3111016
49	9.9	8.7W	11 59.223	0.0010	13	-38 57 21.83	-0.036	13	0.26	59.208	15	35.5	21.30	21	35.5	G5		C8	6868	C -38 9196
50	10.4		11 59.735	-0.0009	13	-36 43 5.25	-0.003	13	0.26	59.748	15	35.5	5.20	21	35.5	A8	L	C8	6869	C -36 9213
51		7.6T	14 12 11.220	-0.0099	17	-39 52 3.99	-0.032	12	0.73	11.683	19	03.3	2.33	19	98.4	F0		GC	19220	C -39 8796
52	9.8	9.3W	12 11.259	-0.0080	21	-30 20 41.78	-0.008	21	0.43	11.403	22	32.0	41.63	21	32.0	G5		C7	7298	C -2910933
53	9.2	9.4W	12 16.191	-0.0054	21	-34 53 45.31	0.011	21	0.43	16.288	22	32.0	45.50	21	32.0	A0		C7	7299	C -34 9476
54	9.3	9.1W	12 20.345	-0.0009	13	-36 36 8.33	-0.064	13	0.26	20.358	15	35.5	7.40	21	35.5	F8		C8	6872	C -36 9215
55	10.0	9.1W	12 20.950	-0.0054	18	-38 14 14.64	-0.037	18	0.32	21.027	15	35.5	14.10	21	35.5	G5		C8	6873	C -37 9265
56	10.8	9.7W	12 22.190	-0.0047	13	-36 31 0.71	-0.028	13	0.26	22.258	15	35.5	0.30	21	35.5	K0	L	C8	6874	C -36 9216
57	9.2	8.8W	12 22.994	-0.0113	13	-37 43 31.33	-0.146	13	0.26	23.157	15	35.5	29.20	21	35.5	G0		C8	6875	C -37 9266
58	9.8	9.7W	12 24.864	-0.0023	21	-33 0 22.52	0.015	21	0.43	24.906	22	32.0	22.79	21	32.0	F2		C7	7300	C -32 9969
59	9.2	9.0W	12 26.582	-0.0008	21	-33 36 52.07	0.002	21	0.43	26.597	22	32.0	52.10	21	32.0	F0		C7	7301	C -33 9668
60	9.3	9.5W	12 29.702	-0.0004	18	-37 18 36.52	-0.001	18	0.32	29.708	15	35.5	38.50	21	35.5	A5		C8	6876	C -36 9218
61	10.3	9.9W	12 33.847	-0.0075	08	-35 21 19.03	-0.036	08	0.22	33.956	15	35.5	18.50	21	35.5	G8	L	C8	6878	C -35 9370
62	10.0	10.0W	12 39.571	-0.0025	21	-33 18 3.04	0.014	21	0.43	39.617	22	32.0	3.29	21	32.0	F2	L	C7	7302	C -32 9972
63	10.4	9.7W	12 43.407	-0.0018	21	-30 57 58.91	0.008	21	0.43	43.374	22	32.0	59.06	21	32.0	K0		C7	7303	C -3011276
64	10.5	9.5W	12 45.399	-0.0030	21	-30 19 1.70	-0.031	21	0.43	45.453	22	32.0	1.13	21	32.0	G5		C7	7304	C -2910937
65	9.6	8.5W	12 46.554	0.0004	09	-37 22 3.44	-0.009	09	0.22	46.548	15	35.5	3.30	21	35.5	K0		C8	6879	C -37 9268
66	10.8	10.0W	12 49.604	-0.0058	13	-36 58 52.87	0.023	13	0.26	49.688	15	35.5	53.20	21	35.5	K0	L	C8	6880	C -36 9224
67	10.5	9.2W	13 5.714	-0.0006	21	-31 27 42.25	-0.039	21	0.43	5.725	22	32.0	41.56	21	32.0	K5		C7	7305	C -3111031
68	8.7	8.3W	13 6.559	-0.0032	21	-34 11 11.86	0.058	21	0.43	6.617	22	32.0	12.90	21	32.0	F5		C7	7306	C -33 9674
69	9.5	9.4W	13 10.335	0.0006	21	-31 2 38.14	0.012	21	0.43	10.324	22	32.0	38.36	21	32.0	A2		C7	7307	C -3011282
70	10.2	8.8W	13 15.867	0.0023	21	-32 41 40.63	-0.030	21	0.43	15.827	22	32.0	40.09	21	32.0	K5		C7	7308	C -32 9981
71		6.6T	13 20.289	0.0017	07	-33 0 35.07	0.001	06	0.30	20.213	12	06.9	35.11	12	03.8	F0		GC	19240	C -32 9982
72		7.0T	13 21.855	-0.0037	12	-31 49 34.36	-0.032	11	0.61	22.037	15	00.2	32.68	18	97.7	A2		GC	19241	C* -3111034
73	10.4	9.1W	13 25.879	0.0006	21	-34 32 57.20	-0.016	21	0.43	25.868	22	32.0	56.90	21	32.0	K5		C7	7311	C -34 9488
74	10.2	9.9W	13 33.375	-0.0016	18	-37 15 24.79	-0.040	18	0.32	33.398	15	35.5	24.20	21	35.5	F5	L	C8	6881	C -36 9233
75	10.1	9.2W	13 33.755	-0.0029	13	-36 23 48.55	-0.017	13	0.26	33.797	15	35.5	48.30	21	35.5	K0	L	C8	6882	C -36 9234
76		8.2R	13 37.864	0.0034	20	-30 2 25.02	-0.001	20	0.36	37.808	16	33.4	25.00	16	33.4	K2	J	13B	9018	J -2910948
77	10.5	10.4W	13 40.056	-0.0016	21	-31 16 59.22	0.035	21	0.43	40.085	22	32.0	59.86	21	32.0	G0	L	C7	7312	C -3011287
78	10.8	9.8W	13 40.611	-0.0013	21	-30 30 4.72	-0.048	21	0.43	40.634	22	32.0	3.86	21	32.0	K0		C7	7313	C -3011288
79	9.5	9.2W	13 42.604	0.0038	21	-31 59 21.69	-0.012	21	0.43	42.535	22	32.0	21.47	21	32.0	F8		C7	7314	C -3111041
80		7.5T	13 43.021	-0.0021	12	-34 46 36.64	-0.012	11	0.63	43.128	17	97.9	35.99	17	96.7	K2		GC	19250	C -34 9494
81	10.7		13 43.646	-0.0152	18	-35 54 55.64	-0.189	18	0.32	43.866	15	35.5	52.90	21	35.5	G5	L	C8	6884	C -35 9384
82	9.3	8.6W	13 48.310	0.0003	21	-30 43 37.93	0.007	21	0.43	48.305	22	32.0	38.06	21	32.0	G5		C7	7316	C -3011292
83	10.3	9.7W	13 51.804	0.0015	21	-34 10 40.89	-0.044	21	0.43	51.777	22	32.0	40.09	21	32.0	G0	L	C7	7317	C -33 9683
84	9.3	9.3W	14 3.155	-0.0043	10	-37 24 27.09	-0.061	10	0.23	3.218	15	35.5	26.20	21	35.5	F8		C8	6885	C -37 9291
85	9.4	9.2W	14 4.170	-0.0037	21	-34 18 18.43	0.004	21	0.43	4.237	22	32.0	18.49	21	32.0	F5		C7	7318	C -33 9687
86	9.0	8.8W	14 5.193	0.0010	18	-39 3 14.92	0.013	18	0.32	5.178	15	35.5	15.10	21	35.5	A2		C8	6886	C -38 9230
87	10.1	9.8W	14 5.976	-0.0016	21	-31 29 9.81	-0.003	21	0.43	6.004	22	32.0	9.76	21	32.0	F8		C7	7319	C -3111050
88	9.6	10.0W	14 9.161	0.0008	16	-39 38 33.78	0.002	16	0.30	9.149	15	35.5	33.80	21	35.5	A0		C8	6887	C -39 8816
89	10.2	9.2W	14 12.363	-0.0031	13	-38 20 9.76	-0.011	13	0.26	12.407	15	35.5	9.60	21	35.5	G5		C8	6888	C -37 9292
90	8.5	8.4W	14 13.086	-0.0063	18	-37 43 3.49	0.008	18	0.32	13.177	15	35.5	3.60	21	35.5	F5		C8	6889	C -37 9293
91		10.0W	14 21.355	-0.0064	13	-36 51 33.36	0.017	13	0.26	21.448	15	35.5	33.60	21	35.5			C8	6890	C -36 9247
92	9.9	9.8W	14 25.734	0.0015	21	-33 48 35.37	0.013	21	0.43	25.707	22	32.0	35.59	21	32.0	F8	L	C7	7320	C -33 9691
93	9.2	8.7W	14 31.053	-0.0008	21	-34 31 11.10	-0.105	21	0.43	31.068	22	32.0	9.21	21	32.0	G5		C7	7321	C -34 9504
94	10.0	9.0W	14 33.931	-0.0011	13	-36 22 7.44	-0.023	13	0.26	33.946	15	35.5	7.10	21	35.5	G5		C8	6891	C -36 9250
95	9.7	9.7W	14 34.047	-0.0032	21	-31 6 33.21	-0.009	21	0.43	34.104	22	32.0	33.06	21	32.0	A0		C7	7322	C -3011301
96	10.2		14 38.199	-0.0033	23	-35 32 58.75	0.004	23	0.38	38.247	15	35.5	58.80	21	35.5	A0	L	C8	6892	C -35 9389
97	10.0	10.0W	14 45.130	0.0003	13	-35 14 33.17	-0.032	13	0.26	45.126	15	35.5	32.70	21	35.5	A5	L	C8	6893	C -34 9508
98	9.5	9.5W	14 52.799	-0.0034	13	-37 6 31.03	-0.098	13	0.26	52.848	15	35.5	29.60	21	35.5	A5		C8	6894	C -36 9253
99	9.3	8.9W	14 53.417	-0.0049	21	-30 48 5.07	0.032	21	0.43	53.504	22	32.0	5.66	21	32.0	G0		C7	7323	C -3011303
00	10.6	9.7W	14 55.021	0.0025	21	-32 58 58.05	0.019	21	0.43	54.977	22	32.0	58.39	21	32.0			C7	7324	C -32 9999

205400

EPOCH 1950 · ORIGINAL EPOCH · SOURCE · -30° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.4	10.0W	14 15 0.539	0.0018	21	-33 37 34.62	-0.001	21	0.43	0.507	22	32.0	34.59	21	32.0	KO	L	C7	7325	C*-33 9701
2	10.1	8.7W	15 1.934	-0.0001	21	-32 45 21.09	-0.022	21	0.43	1.937	22	32.0	20.69	21	32.0	K5		C7	7326	C -3210000
3	11.0	10.1W	15 4.898	0.0018	21	-33 12 23.50	-0.006	21	0.43	4.866	22	32.0	23.39	21	32.0	KO	L	C7	7327	C -3210001
4	9.2	7.6W	15 6.157	-0.0022	13	-38 39 16.99	-0.206	13	0.26	6.188	15	35.5	14.00	21	35.5	K2		C8	6895	C -38 9250
5	9.9	9.8W	15 12.113	0.0011	13	-36 14 47.95	-0.058	13	0.26	12.097	15	35.5	47.10	21	35.5	F8		C8	6896	C -35 9395
6	10.7	9.9W	15 12.684	-0.0013	21	-34 38 44.27	-0.020	21	0.43	12.708	22	32.0	43.91	21	32.0	KO	L	C7	7328	C -34 9515
7	10.1	9.1W	15 14.270	-0.0040	08	-36 31 21.48	0.002	08	0.22	14.328	15	35.5	21.50	21	35.5	KO	L	C8	6897	C -36 9256
8	10.6		15 17.326	0.0020	13	-35 59 34.56	-0.052	13	0.26	17.296	15	35.5	33.80	21	35.5	GO	L	C8	6898	C -35 9398
9	9.8	9.7W	15 24.716	0.0022	21	-32 49 50.90	-0.034	21	0.43	24.677	22	32.0	50.29	21	32.0	GO		C7	7329	C -3210004
10	10.6		15 24.769	-0.0027	18	-38 12 40.68	0.002	18	0.32	24.807	15	35.5	40.70	21	35.5	F5	L	C8	6899	C -37 9308
11	10.6	10.0W	15 25.471	-0.0009	21	-34 2 57.67	-0.015	21	0.43	25.487	22	32.0	57.39	21	32.0			C7	7330	C -33 9707
12		6.5T	15 25.774	-0.0056	06	-32 59 23.40	-0.046	06	0.30	26.036	10	03.7	21.27	12	03.7	F0		GC	19291	C -3210005
13		9.5Y	15 26.413	-0.0001	21	-31 19 55.45	-0.011	21	0.43	26.415	22	32.0	55.26	21	32.0			C7	7332	C -3011310
14	10.4	9.8W	15 28.371	-0.0029	21	-30 18 52.99	-0.064	21	0.43	28.423	22	32.0	51.83	21	32.0	KO		C7	7333	C -2910971
15	9.3	9.2W	15 29.261	-0.0059	13	-35 38 52.08	0.002	13	0.26	29.347	15	35.5	52.10	21	35.5	F0		C8	6900	C -35 9401
16	9.0	8.9W	15 35.148	0.0008	13	-35 39 59.98	-0.033	13	0.26	35.137	15	35.5	59.50	21	35.5	A3		C8	6901	C -35 9404
17	10.5	10.3W	15 35.306	-0.0000	21	-32 48 28.91	0.032	21	0.43	35.306	22	32.0	29.49	21	32.0	GO	L	C7	7334	C -3210007
18	8.7	8.4W	15 46.898	0.0029	21	-32 11 45.54	-0.054	21	0.43	46.845	22	32.0	44.57	21	32.0	F5		C7	7335	C -3111073
19	8.0	8.1W	15 48.484	0.0011	13	-37 6 0.62	-0.042	13	0.26	48.468	15	35.5	0.00	21	35.5	A5		C8	6903	C -36 9259
20	9.9	9.2W	15 52.873	-0.0012	21	-31 3 7.98	0.026	21	0.43	52.895	22	32.0	8.46	21	32.0	KO		C7	7336	C -3011316
21	9.7	8.6W	15 55.676	-0.0028	13	-36 19 49.92	-0.049	13	0.26	55.717	15	35.5	49.20	21	35.5	KO		C8	6905	C -35 9407
22	9.9	8.9W	15 56.567	0.0018	21	-31 28 30.09	0.048	21	0.43	56.534	22	32.0	30.96	21	32.0	K2		C7	7337	C -3111077
23	9.7	9.4W	15 57.577	-0.0071	13	-39 40 29.57	-0.032	13	0.26	57.679	15	35.5	29.10	21	35.5	GO		C8	6906	C -39 8835
24	9.9	9.2W	16 0.660	-0.0081	21	-33 26 11.90	0.016	21	0.43	0.807	22	32.0	12.19	21	32.0	KO		C7	7338	C -33 9713
25	10.2	8.8W	16 3.735	0.0010	21	-34 10 43.68	0.029	21	0.43	3.717	22	32.0	44.19	21	32.0	K5		C7	7339	C -33 9715
26	10.2		16 4.355	-0.0009	18	-38 29 34.31	-0.028	18	0.32	4.367	15	35.5	33.90	21	35.5	A8	L	C8	6907	C -38 9265
27	10.6	9.7W	16 15.017	0.0006	21	-33 24 9.19	-0.072	21	0.43	15.007	22	32.0	7.89	21	32.0	K2		C7	7340	C -33 9718
28	9.1	9.0W	16 15.989	-0.0026	21	-31 36 27.55	0.012	21	0.43	16.035	22	32.0	27.77	21	32.0	A2		C7	7341	C -3111081
29	10.5	9.7W	16 20.014	0.0010	21	-32 30 32.71	-0.001	21	0.43	19.997	22	32.0	32.69	21	32.0	G5		C7	7342	C -3210019
30		6.0T	16 21.945	-0.0040	10	-36 46 23.14	-0.063	10	0.55	22.154	18	97.8	19.75	18	96.3	A0		GC	19309	C -36 9268
31	10.4	10.1W	16 25.630	-0.0031	21	-33 13 27.76	-0.026	21	0.43	25.687	22	32.0	27.29	21	32.0	GO		C7	7343	C -3210021
32	10.0	9.7W	16 28.554	-0.0078	13	-36 13 30.86	-0.024	13	0.26	28.667	15	35.5	30.50	21	35.5	F8	L	C8	6910	C -35 9413
33	9.3	9.1W	16 35.524	-0.0013	21	-34 59 40.95	-0.091	21	0.43	35.548	22	32.0	39.30	21	32.0	F8		C7	7344	C -34 9534
34	9.1	9.1W	16 37.460	-0.0021	21	-34 51 31.30	-0.016	21	0.43	37.498	22	32.0	31.00	21	32.0	A2		C7	7345	C -34 9535
35	9.9	9.3W	16 42.127	-0.0005	21	-32 42 40.40	-0.006	21	0.43	42.136	22	32.0	40.29	21	32.0	G5		C7	7346	C -3210025
36		6.9T	16 42.277	0.0008	14	-36 37 44.11	-0.047	10	0.65	42.237	18	00.7	41.69	15	98.6	MB		GC	19313K	C -36 9274
37	9.9	9.8W	16 48.410	-0.0019	21	-31 7 50.43	-0.010	21	0.43	48.444	22	32.0	50.26	21	32.0	A3		C7	7347	C -3011325
38	10.1	9.1W	16 50.406	-0.0028	13	-35 32 58.59	-0.001	13	0.26	50.447	15	35.5	58.60	21	35.5	G5		C8	6912	C -35 9420
39	10.8	9.7W	16 50.669	0.0041	21	-30 47 51.80	-0.047	21	0.43	50.595	22	32.0	50.96	21	32.0			C7	7348	C -3011327
40	10.6		16 50.689	-0.0040	23	-36 24 45.47	-0.018	23	0.38	50.747	15	35.5	45.20	21	35.5	F8	L	C8	6913	C -36 9276
41	10.3	9.6W	16 54.749	0.0013	21	-32 59 45.97	-0.021	21	0.43	54.726	22	32.0	45.59	21	32.0	G5		C7	7349	C -3210029
42	10.9	9.7W	16 54.777	-0.0008	18	-38 45 59.30	0.007	18	0.32	54.788	15	35.5	59.40	21	35.5	K1	L	C8	6914	C -38 9277
43	11.0	9.5W	16 56.103	-0.0017	07	-36 42 17.01	0.007	07	0.21	56.128	15	35.5	17.10	21	35.5	KO	L	C8	6915	C -36 9277
44	9.6	8.8W	16 56.192	-0.0004	06	-36 37 26.75	-0.017	06	0.20	56.197	15	35.5	26.50	21	35.5	G5		C8	6916	C -36 9278
45	9.5	9.5W	17 1.865	-0.0023	13	-37 42 2.00	-0.041	13	0.26	1.897	15	35.5	1.40	21	35.5	F8		C8	6917	C -37 9328
46	9.6	9.4W	17 3.780	-0.0037	21	-33 42 53.75	0.036	21	0.43	3.847	22	32.0	54.40	21	32.0	F2		C7	7350	C -33 9726
47	9.7	9.7W	17 5.998	-0.0026	21	-30 38 49.34	0.034	21	0.43	6.044	22	32.0	49.96	21	32.0	A3		C7	7351	C -3011331
48	8.5	8.6W	17 8.518	-0.0006	13	-36 1 35.48	-0.033	13	0.26	8.526	15	35.5	35.00	21	35.5	A0		C8	6918	C -35 9423
49	10.9	9.4W	17 14.821	0.0003	21	-32 18 59.08	-0.017	21	0.43	14.815	22	32.0	58.77	21	32.0	K2		C7	7352	C -3111092
50	11.0	10.5W	17 16.627	0.0005	21	-34 32 51.81	-0.111	21	0.43	16.618	22	32.0	49.80	21	32.0	GO	L	C7	7353	C -34 9546
51	9.3	7.9W	14 17 16.674	-0.0008	13	-35 9 39.59	0.001	13	0.26	16.686	15	35.5	39.60	21	35.5	K2		C8	6920	C -34 9549
52	10.6	9.9W	17 24.632	-0.0013	21	-32 0 41.69	-0.051	21	0.43	24.655	22	32.0	40.77	21	32.0	K2		C7	7354	C -3111094
53		4.2H	17 30.393	-0.0057	03	-37 39 23.06	-0.016	03	0.12	30.595	05	14.7	22.52	05	16.2	A0		F4	1373	C -37 9336
54	10.3	9.7W	17 30.973	0.0024	18	-37 18 22.00	-0.020	18	0.32	30.938	15	35.5	21.70	21	35.5	KO	L	C8	6922	C -36 9285
55	9.1	8.7W	17 33.010	-0.0026	09	-37 59 14.60	-0.027	09	0.22	33.047	15	35.5	14.20	21	35.5	GO		C8	6923	C -37 9337
56		7.4T	17 37.516	-0.0009	12	-34 26 56.59	-0.008	10	0.59	37.562	18	99.9	56.15	17	96.8	B9		GC	19339	C -34 9551
57	9.1	9.1W	17 40.232	-0.0019	21	-33 27 26.35	-0.003	21	0.43	40.267	22	32.0	26.29	21	32.0	A0		C7	7356	C -33 9736
58	8.9	8.1W	17 41.409	-0.0101	06	-35 25 10.53	-0.036	06	0.20	41.556	15	35.5	10.00	21	35.5	G5		C8	6925	C -35 9431
59	10.5	10.2W	17 42.740	0.0071	09	-36 16 54.71	-0.083	09	0.22	42.636	15	35.5	53.50	21	35.5	GO	L	C8	6926	C -35 9430
60	9.6	9.4W	17 45.394	0.0032	13	-38 21 6.33	-0.036	13	0.26	45.347	15	35.5	5.80	21	35.5	F8	L	C8	6927	C -38 9292
61	10.8	10.1W	17 51.210	0.0032	21	-30 17 40.71	-0.026	21	0.43	51.153	22	32.0	40.23	21	32.0	G2	L	C7	7357	C -2910997
62	10.2		17 52.329	-0.0032	13	-35 19 32.67	0.016	13	0.26	52.376	15	35.5	32.90	21	35.5	A5	L	C8	6928	C -34 9554
63	10.9	10.0W	17 55.502	-0.0064	21	-33 54 42.76	-0.064	21	0.43	55.617	22	32.0	41.60	21	32.0	KO	L	C7	7358	C -33 9741
64	9.5	8.5W	17 58.636	0.0000	21	-31 35 53.00	-0.002	21	0.43	58.635	22	32.0	52.97	21	32.0	KO		C7	7359	C -3111101
65	10.2	8.8W	17 59.801	-0.0003	13	-35 20 19.19	0.008	13	0.26	59.806	15	35.5	19.30	21	35.5	K2	L	C8	6929	C -34 9555
66	9.6	9.6W	18 3.251	-0.0012	13	-37 17 19.56	-0.052	13	0.26	3.268	15	35.5	18.80	21	35.5	A3		C8	6930	C -36 9293
67	10.2	10.2W	18 4.607	-0.0011	21	-33 36 23.14	-0.041	21	0.43	4.627	22	32.0	22.40	21	32.0	A2		C7	7360	C -33 9742
68	11.3	9.9W	18 9.039	0.0013	21	-33 29 49.34	0.003	21	0.43	9.016	22	32.0	49.39	21	32.0			C7	7361	C -33 9743
69	10.6	9.1W	18 14.122	-0.0031	21	-34 47 22.42	0.022	21	0.43	14.178	22	32.0	22.80	21	32.0	MA		C7	7362	C -34 9559
70	9.8	8.7W	18 19.171	-0.0009	21	-34 1 31.22	0.010	21	0.43	19.187	22	32.0	31.39	21	32.0	K5		C7	7363	C -33 9745
71	10.3	10.0W	18 25.106	-0.0016	21	-31 5 25.58	0.043	21	0.43	25.135	22	32.0	26.36	21	32.0	GO	L	C7	7364	C -3011355
72	10.4	9.0W	18 35.811	0.0031	21	-31 29 42.25	-0.050	21	0.43	35.755	22	32.0	41.36	21	32.0	K5		C7	7365	C -3111109
73	9.5	9.4W	18 38.312	-0.0013	21	-32 57 30.51	0.010	21	0.43	38.337	22	32.0	30.69	21	32.0	A		C7	7366	C -3210049
74	10.4	9.1W	18 38.685	0.0006	21	-30 39 22.40	0.014	21	0.43	38.675	22	32.0	22.66	21	32.0	K5		C7	7367	C -3011357
75	10.9	10.2W	18 42.465	-0.0006	21	-32 38 28.05	-0.030	21	0.44	42.477	22	31.5	27.49	21	31.5	K	L	C7	7368	C -3210051
76		7.8T	18 44.045	-0.0028	16	-38 27 8.49	-0.005	13	0.73	44.175	24	03.5	8.24	22	01.3	A0		GC	19352	C*-38 9309
77	10.5	9.6W	18 53.088	-0.0021	21	-33 40 11.27	0.034	21	0.44	53.127	22	31.5	11.89	21	31.5	G5	L	C7	7369	C -33 9754
78	10.7	9.7W	18 54.434	-0.0037	13	-36 54 36.61	-0.000	13	0.26	54.487	15	35.5	36.60	21	35.5	K1	L	C8	6934	C -36 9302
79	9.7	9.9W	18 58.915	-0.0029	13	-35 43 30.37	-0.018	13	0.26	58.956	15	35.5	30.10	21	35.5	A2		C8	6936	C -35 9449
80	9.7	9.8W	19 4.354	-0.0030	13	-37 15 11.32	0.013	13	0.26	4.398	15	35.5	11.50	21	35.5	A3		C8	6937	C -36 9303
81	10.6		19 12.166	-0.0008	23	-37 48 25.04	0.032	23	0.38	12.177	15	35.5	25.50	21	35.5	F5	L	C8	6938	C -37 9351
82	10.9	9.5W	19 14.558	-0.0013	13	-35 58 21.50	-0.048	13	0.26	14.576	15	35.5	20.80	21	35.5			C8	6939	C -35 9451
83	10.1	9.2W	19 16.455	0.0011	21	-31 26 41.50	-0.030	21	0.44	16.435	22	31.5	40.95	21	31.5	KO		C7	7370	C -3111119
84	10.2	9.4W	19 17.122	0.0038	13	-35 54 20.20	-0.055	13	0.26	17.067	15	35.5	19.40	21	35.5	KO		C8	6940	C -35 9452
85		5.7T	19 19.389	-0.0024	06	-34 33 33.19	0.006	05	0.24	19.484	09	09.8	33.43	09	07.7	B8		GC	19365	C*-34 9570
86	10.5	8.9W	19 21.959	0.0008	08	-38 25 15.59	-0.006	08	0.22	21.947	15	35.5	15.50	21	35.5	MA		C8	6941	C -38 9322
87	10.6	10.4W	19 22.408	-0.0037	21	-32 13 43.69	-0.093	21	0.44	22.475	22	31.5	41.97	21	31.5			C7	7372	C -3111121
88	10.4		19 32.386	-0.0017	21	-34 44 48.23	-0.039	21	0.44	32.418	22	31.5	47.50	21	31.5	A0	L	C7	7373	C -34 9572
89	8.2	8.0W	19 33.654	-0.0060	21	-31 29 9.78	-0.045	21	0.44	33.764	22	31.5	8.95	21	31.5	F2	L	C7	7374	C -3111122
90	10.3	10.1W	19 35.313	-0.0024	13	-36 41 15.28	-0.026	13	0.26	35.348	15	35.5	14.90	21	35.5	F8	L	C8	6942	C -36 9310
91	9.7	8.9W	19 40.180	-0.0003	21	-32 59 28.07	0.077	21	0.44	40.187	22	31.5	29.49	21	31.5	KO		C7	7375	C -3210061
92	9.9	9.5W	19 42.161	0.0003	21	-32 7 22.76	-0.021	21	0.44	42.155	22	31.5	22.37	21	31.5	F5		C7	7376	C -3111125
93	9.4	9.1W	19 43.006	-0.0091	13	-36 55 17.98	-0.040	13	0.26	43.138	15	35.5	17.40	21	35.5	F8		C8	6943	C -36 9311
94		10.0W	19 45.531	-0.0062	21	-31 30 45.40	0.009	21	0.44	45.645	22	31.5	45.57	21	31.5			C7	7377	C -3111128
95		7.1T	19 46.339	-0.0052	12	-39 23 48.84	-0.042	09	0.58	46.597	21	00.4	46.50	19	94.5	KO		GC	19371	C -39 8872
96			19 52.369	-0.0088	13	-36 12 3.28	-0.019	13	0.26	52.496	15	35.5	3.00	21	35.5	GO	L	C8	6945	C -35 9461
97		4.5T	19 56.795	-0.0025	05	-39 17 4.67	-0.036	04	0.23	56.909	07	04.4	2.92	07	01.7	B5		GC	19377	C*-38 9329
98	9.7	8.7W	20 1.411	-0.0066	13	-35 45 8.70	0.014	13	0.26	1.507	15	35.5	8.90	21	35.5	K2		C8	6947	C -35 9468
99	9.6	8.6W	20 3.770	-0.0027	10	-39 29 16.36	-0.011	10	0.23	3.808	15	35.5	16.20	21	35.5	K2		C8	6948	C -39 8877
00	10.8	10.2W	20 6.428	-0.0078	21	-30 15 35.98	-0.029	21	0.44	6.573	22	31.5	35.43	21	31.5	G2	L	C7	7378	C -2911028

205500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.3	9.8W	14 20 7.289	0.0008	21	-30 49 48.10	-0.084	21	0.44	7.274	22	31.5	46.55	21	31.5	F8	C7	7379	C -3011378
2	8.7	8.6W	20 8.133	-0.0119	06	-35 27 30.80	-0.048	06	0.20	8.306	15	35.5	30.10	21	35.5	F5	C8	6849	C -35 9470
3	9.8	9.4W	20 8.553	-0.0044	21	-31 28 48.40	0.008	21	0.44	8.634	22	31.5	48.55	21	31.5	F8	C7	7380	C -3111133
4	9.9	9.9W	20 14.272	-0.0017	23	-35 36 18.45	-0.093	23	0.38	14.297	15	35.5	17.10	21	35.5	A2	C8	6850	C -35 9471
5	10.5	9.7W	20 19.700	0.0030	21	-30 43 47.58	0.031	21	0.44	19.644	22	31.5	48.15	21	31.5	K0	C7	7381	C -3011379
6	9.1	9.3W	20 21.943	-0.0008	21	-34 55 34.57	-0.025	21	0.44	21.958	22	31.5	34.10	21	31.5	A0	C7	7382	C -34 9580
7	9.3	9.0W	20 25.305	0.0016	21	-32 35 18.36	-0.031	21	0.44	25.276	22	31.5	17.79	21	31.5	G0	C7	7383	C -3210071
8	10.6	9.4W	20 36.196	0.0000	21	-32 17 51.40	0.009	21	0.44	36.195	22	31.5	51.57	21	31.5	K	C7	7384	C -3111136
9	8.7	8.5W	20 38.191	0.0009	18	-37 12 19.09	-0.047	18	0.32	38.178	15	35.5	18.40	21	35.5	G0	C8	6853	C -36 9329
10	9.5	9.2W	20 39.276	-0.0016	21	-32 27 38.03	-0.052	21	0.44	39.305	22	31.5	37.07	21	31.5	F8	C7	7385	C -3210074
11	10.2	9.3W	20 42.737	-0.0088	13	-37 14 0.60	-0.020	13	0.26	42.777	15	35.5	0.30	21	35.5	K0	C8	6854	C -36 9331
12	10.6	9.7W	20 46.186	-0.0006	21	-33 37 44.80	-0.016	21	0.44	46.137	22	31.5	44.49	21	31.5	K5	C7	7386	C -33 9772
13	10.4	10.2W	20 46.339	-0.0004	21	-32 21 40.09	-0.044	21	0.44	46.345	22	31.5	39.27	21	31.5	F8	C7	7387	C -3210078
14	10.2	9.8W	20 47.125	-0.0125	21	-33 28 51.66	0.061	21	0.44	47.356	22	31.5	52.79	21	31.5	G5	C7	7388	C -33 9774
15	10.7	10.3W	20 47.734	-0.0113	13	-36 30 8.66	-0.073	13	0.26	47.957	15	35.5	7.60	21	35.5	F8	C8	6955	C -36 9332
16	10.8	10.1W	20 48.041	-0.0055	21	-30 20 52.05	-0.060	21	0.44	48.143	22	31.5	50.93	21	31.5	K0	C7	7389	C -3011386
17	10.4		20 56.518	-0.0088	08	-35 16 8.86	-0.176	08	0.22	56.646	15	35.5	6.30	21	35.5	G5	C8	6857	C -34 9589
18	10.1	9.2W	21 0.596	0.0028	21	-30 31 1.63	0.012	21	0.44	0.544	22	31.5	1.85	21	31.5	K0	C7	7390	C -3011390
19		10.0W	21 2.306	0.0055	21	-30 34 27.80	0.073	21	0.44	2.204	22	31.5	29.16	21	31.5		C7	7391	C -3011391
20	10.3	10.1W	21 5.980	-0.0095	21	-33 22 8.91	0.064	21	0.44	6.157	22	31.5	10.09	21	31.5	F8	C7	7393	C -33 9779
21	9.9	9.5W	21 12.182	0.0010	18	-38 24 7.96	-0.128	18	0.32	12.167	15	35.5	6.10	21	35.5	G0	C8	6861	C -38 9339
22	9.2	9.3W	21 14.973	-0.0056	21	-33 42 6.90	0.027	21	0.44	15.077	22	31.5	7.39	21	31.5	A2	C7	7394	C -33 9784
23		6.9T	21 15.718	-0.0006	10	-32 51 38.42	-0.007	11	0.58	15.748	17	95.9	38.04	17	95.4	K0	GC	19409	C -3210083
24	10.2	8.8W	21 17.201	0.0022	13	-38 33 19.54	-0.044	13	0.26	17.168	15	35.5	18.90	21	35.5	K5	C8	6862	C -38 9340
25	8.6	8.8W	21 24.449	-0.0020	21	-32 45 18.49	0.011	21	0.44	24.487	22	31.5	18.69	21	31.5	A0	C7	7396	C -3210084
26	9.8	9.7W	21 34.513	-0.0028	21	-30 55 17.53	-0.015	21	0.44	34.565	22	31.5	17.26	21	31.5	A3	C7	7397	C -3011395
27	9.4	9.3W	21 48.003	0.0037	21	-31 0 15.22	-0.015	21	0.44	47.935	22	31.5	14.95	21	31.5	A2	C7	7398	C -3011400
28	10.2	8.9W	21 52.382	-0.0025	09	-38 33 40.22	0.006	09	0.22	52.418	15	35.5	40.30	21	35.5	K2	C8	6863	C -38 9348
29	10.7	9.8W	21 54.228	0.0001	13	-35 40 2.98	-0.026	13	0.26	54.226	15	35.5	2.60	21	35.5	G8	C8	6864	C -35 9488
30	10.5	9.8W	21 54.560	-0.0041	21	-33 18 42.98	-0.005	21	0.44	54.636	22	31.5	42.89	21	31.5	K0	C7	7399	C -3210091
31		6.6T	21 57.499	-0.0029	12	-37 13 14.47	-0.021	10	0.63	57.657	18	95.5	13.26	17	92.3	A2	GC	19436	C -36 9338
32	10.1	9.1W	22 0.727	0.0006	13	-38 29 53.27	-0.046	13	0.26	0.717	15	35.5	52.60	21	35.5	K0	C8	6866	C -38 9350
33	8.9	7.9W	22 5.239	0.0013	21	-30 34 27.20	-0.046	21	0.44	5.215	22	31.5	26.36	21	31.5	K0	C7	7400	C -3011403
34	10.2	10.1W	22 8.606	-0.0055	13	-35 22 54.24	0.053	13	0.26	8.686	15	35.5	55.00	21	35.5	F8	C8	6867	C -35 9492
35	8.6	8.7W	22 9.831	0.0022	18	-39 8 45.88	-0.019	18	0.32	9.798	15	35.5	45.60	21	35.5	A2	C8	6868	C -38 9353
36	10.5	10.1W	22 10.331	-0.0051	21	-31 47 59.26	-0.140	21	0.44	10.425	22	31.5	56.67	21	31.5	G0	C7	7401	C -3111158
37	10.7		22 19.825	-0.0017	13	-36 33 41.83	-0.012	13	0.26	19.848	15	35.5	42.00	21	35.5	F5	C8	6869	C -36 9340
38	10.2	9.3W	22 20.313	-0.0034	21	-35 7 0.17	-0.009	21	0.44	20.376	22	31.5	00.00	21	31.5	K5	C7	7402	C -34 9605
39	11.3		22 22.506	-0.0014	23	-36 29 25.23	-0.057	23	0.38	22.527	15	35.5	24.40	21	35.5		C8	6871	C -36 9341
40	9.8	8.7W	22 24.838	-0.0014	07	-37 22 10.72	-0.008	07	0.21	24.858	15	35.5	10.60	21	35.5	K2	C8	6872	C -37 9397
41		7.6T	22 31.981	0.0011	12	-32 44 48.68	0.010	12	0.66	31.927	19	98.2	49.20	19	97.8	K0	GC	19443	C -3210097
42	9.1	9.4W	22 32.457	-0.0054	21	-33 36 54.52	0.091	21	0.44	32.557	22	31.5	56.19	21	31.5	B9	C7	7404	C -33 9796
43	8.5	8.2W	22 36.411	-0.0013	21	-30 38 19.23	-0.064	21	0.44	36.434	22	31.5	18.06	21	31.5	F8	C7	7405	C -3011409
44	10.0	9.6W	22 41.441	0.0009	18	-36 39 15.38	-0.040	18	0.32	41.427	15	35.5	14.80	21	35.5	G0	C8	6873	C -36 9344
45	9.5	9.3W	22 47.586	-0.0063	18	-37 49 15.01	0.020	18	0.32	47.677	15	35.5	15.30	21	35.5	F5	C8	6875	C -37 9401
46	10.6		22 48.560	-0.0080	18	-35 56 48.10	-0.055	18	0.32	48.647	15	35.5	47.30	21	35.5	F5	C8	6876	C -35 9505
47	9.7	8.6W	22 51.339	-0.0019	21	-31 16 27.29	-0.002	21	0.44	51.374	22	31.5	27.26	21	31.5	K5	C7	7406	C -3011410
48	10.0	9.1W	22 56.661	-0.0003	21	-34 27 1.59	-0.005	21	0.44	56.667	22	31.5	1.50	21	31.5	K0	C7	7407	C -34 9618
49		7.9R	23 3.683	-0.0062	18	-30 3 40.45	-0.031	18	0.34	3.785	16	33.4	39.93	16	33.4	G5	J 13B	9115	J -2911056
50	9.9	9.7W	23 9.034	0.0015	21	-32 1 12.60	-0.018	21	0.44	9.005	22	31.5	12.27	21	31.5	F0	C7	7408	C -3111175
51	10.0	9.0W	14 23 12.530	0.0023	13	-35 32 5.01	-0.035	13	0.26	12.497	15	35.5	4.50	21	35.5	K2	C8	6980	C -35 9510
52	9.4	9.1W	23 13.235	-0.0009	13	-37 16 47.93	-0.015	13	0.26	13.247	15	35.5	47.70	21	35.5	F8	C8	6981	C -36 9352
53	9.4	8.3W	23 17.242	0.0017	13	-38 23 25.46	-0.011	13	0.26	17.217	15	35.5	25.30	21	35.5	K2	C8	6982	C -38 9372
54	10.6	10.0W	23 20.842	-0.0003	21	-34 59 16.62	-0.022	21	0.44	20.848	22	31.5	16.20	21	31.5	K2	C7	7409	C -34 9624
55	9.6	9.2W	23 25.775	-0.0037	18	-38 47 34.23	0.005	18	0.32	25.828	15	35.5	34.30	21	35.5	F8	C8	6983	C -38 9374
56	9.4	9.6W	23 25.990	-0.0025	21	-32 0 19.59	-0.028	21	0.44	26.035	22	31.5	19.07	21	31.5	B9	C7	7410	C -3111182
57		7.1T	23 28.017	-0.0000	12	-33 1 32.24	0.001	12	0.59	28.019	15	02.4	32.29	15	01.4	F5	GC	19466	C -3210114
58	9.9	9.5W	23 29.413	0.0073	06	-36 16 21.04	-0.082	06	0.20	29.307	15	35.5	19.70	21	35.5	F8	C8	6984	C -35 9515
59		7.1T	23 31.443	-0.0017	14	-39 17 55.55	-0.023	10	0.66	31.526	18	01.0	54.27	19	94.8	G0	GC	19468	C -38 9375
60	10.1	9.2W	23 31.891	-0.0004	08	-35 40 45.71	-0.028	08	0.22	31.897	15	35.5	45.30	21	35.5	G5	C8	6986	C -35 9519
61		6.4T	23 43.247	-0.0018	12	-39 38 57.47	-0.020	11	0.64	43.343	19	96.8	56.35	18	94.4	B9	GC	19472	C -39 8918
62	10.3	10.0W	23 47.662	-0.0080	18	-37 27 10.53	-0.091	18	0.32	47.778	15	35.5	9.20	21	35.5	G0	C8	6990	C -37 9414
63	10.0	10.0W	23 48.949	-0.0046	13	-35 19 0.85	0.018	13	0.26	49.016	15	35.5	1.10	21	35.5	A2	C8	6991	C -34 9627
64	10.5	9.6W	23 51.001	-0.0100	21	-33 1 22.69	-0.000	21	0.44	51.187	22	31.5	22.69	21	31.5	G5	C7	7412	C -3210121
65	10.8	10.0W	23 51.758	0.0001	21	-32 5 39.66	-0.048	21	0.44	51.755	22	31.5	38.77	21	31.5	G5	C7	7413	C -3111187
66	10.8	9.9W	23 52.085	-0.0078	13	-36 55 25.87	0.030	13	0.26	52.198	15	35.5	26.30	21	35.5		C8	6992	C -36 9362
67	10.0	9.7W	23 53.113	-0.0002	21	-33 30 3.86	-0.079	21	0.44	53.117	22	31.5	2.39	21	31.5	F8	C7	7414	C -33 9809
68		7.8T	23 53.218	-0.0001	18	-38 37 36.23	-0.011	13	0.77	53.222	24	05.3	35.69	24	02.0	K2	GC	19477	C -38 9378
69	10.4	10.1W	23 57.919	0.0061	21	-32 0 18.30	-0.099	21	0.44	57.805	22	31.5	16.47	21	31.5	G0	C7	7415	C -3111190
70	10.7	10.0W	24 2.310	-0.0020	21	-33 39 39.16	0.013	21	0.44	2.347	22	31.5	39.39	21	31.5	G5	C7	7416	C -33 9812
71	10.7	9.5W	24 5.551	-0.0004	13	-35 40 20.71	-0.021	13	0.26	5.557	15	35.5	20.40	21	35.5		C8	6995	C -35 9525
72	9.2	8.9W	24 8.683	-0.0017	13	-36 33 47.77	-0.039	13	0.26	8.707	15	35.5	47.20	21	35.5	F8	C8	6996	C -36 9366
73	9.3	9.0W	24 11.984	-0.0059	13	-39 54 33.29	-0.109	13	0.26	12.069	15	35.5	31.70	21	35.5	F5	C8	6997	C -39 8927
74		6.9T	24 29.328	0.0022	13	-35 13 21.54	-0.052	11	0.65	29.220	17	00.2	18.75	19	96.4	F8	GC	19488	C -34 9638
75	10.3	10.0W	24 32.406	-0.0022	23	-36 48 17.94	-0.030	23	0.38	32.438	15	35.5	17.50	21	35.5	F5	C8	7001	C -36 9370
76	10.3	10.0W	24 36.472	-0.0003	21	-34 52 11.07	-0.068	21	0.44	36.478	22	31.5	9.80	21	31.5	F8	C7	7417	C -34 9639
77	10.1	9.2W	24 42.480	0.0024	21	-33 6 23.71	0.037	21	0.44	42.437	22	31.5	24.39	21	31.5	K2	C7	7418	C -3210128
78	10.1	9.8W	24 43.451	-0.0082	21	-30 21 39.14	0.027	21	0.44	43.603	22	31.5	39.63	21	31.5	F8	C7	7420	C -3011434
79	8.3	8.3W	24 43.536	0.0001	21	-31 38 31.15	0.012	21	0.44	43.535	22	31.5	31.37	21	31.5	A2	C7	7419	C -3111207
80	8.5	8.2W	24 43.772	-0.0094	21	-35 1 46.56	-0.014	21	0.44	43.946	22	31.5	46.30	21	31.5	F8	C7	7421	C -34 9642
81	9.6	9.4W	24 48.507	-0.0059	21	-32 24 43.97	-0.092	21	0.44	48.615	22	31.5	42.27	21	31.5	F2	C7	7422	C -3210130
82	9.7	8.7W	24 49.748	-0.0013	13	-36 13 44.05	-0.003	13	0.26	49.766	15	35.5	44.00	21	35.5	K2	C8	7002	C -35 9536
83	10.5	10.0W	24 56.021	-0.0072	13	-35 19 43.77	-0.018	13	0.26	56.126	15	35.5	43.50	21	35.5	K0	C8	7004	C -34 9645
84	10.6	10.4W	24 57.646	-0.0038	21	-33 29 29.41	0.015	21	0.44	57.717	22	31.5	29.69	21	31.5	F8	C7	7423	C -33 9821
85	10.2	9.2W	24 58.104	-0.0028	21	-33 10 5.48	0.044	21	0.44	58.157	22	31.5	6.29	21	31.5	K5	C7	7424	C -3210131
86	10.9	9.8W	25 1.628	-0.0020	13	-36 14 19.05	-0.065	13	0.26	1.657	15	35.5	18.10	21	35.5	K2	C8	7005	C -35 9540
87	9.4	9.4W	25 12.038	-0.0031	21	-33 8 9.75	-0.003	21	0.44	12.096	22	31.5	9.69	21	31.5	A5	C7	7425	C -3210134
88	9.5	8.7W	25 12.931	-0.0005	13	-37 32 16.43	-0.043	13	0.26	12.937	15	35.5	15.80	21	35.5	G5	C8	7006	C -37 9433
89	10.0	9.0W	25 16.243	0.0037	21	-30 57 1.47	-0.012	21	0.44	16.175	22	31.5	1.25	21	31.5	K2	C7	7426	C -3011442
90	9.9	9.7W	25 16.503	-0.0031	18	-37 58 49.89	0.029	18	0.32	16.547	15	35.5	50.30	21	35.5	F0	C8	7009	C -37 9435
91	9.5	7.9W	25 18.562	0.0002	13	-39 19 4.71	-0.007	13	0.26	18.558	15	35.5	4.60	21	35.5	MA	C8	7010	C -38 9396
92	9.8	8.8W	25 20.649	-0.0026	21	-33 38 14.17	-0.004	21	0.44	20.697	22	31.5	14.09	21	31.5	K0	C7	7427	C -33 9825
93	8.9	7.9W	25 21.060	-0.0053	18	-38 19 59.72	0.006	18	0.32	21.107	15	35.5	59.80	21	35.5	K0	C8	7011	C -37 9437
94	10.2	9.4W	25 22.700	-0.0046	13	-35 52 23.22	-0.008	13	0.26	22.767	15	35.5	23.10	21	35.5	G5	C8	7012	C -35 9545
95	9.8	9.7W	25 24.973	-0.0034	21	-33 16 47.20	0.010	21	0.44	25.036	22	31.5	47.39	21	31.5	A2	C7	7428	C -3210138
96	9.6	8.6W	25 25.175	0.0012	21	-30 16 12.26	-0.001	21	0.44	25.153	22	31.5	12.23	21	31.5	K0	C7	7429	C -2911085
97	8.9	8.7W	25 33.100	-0.0031	21	-34 47 30.08	-0.036	21	0.44	33.158	22	31.5	29.40	21	31.5	F5	C7	7430	C -34 9654
98	9.8	9.7W	25 37.118	-0.0021	09	-36 50 50.99	0.001	09	0.22	37.148	15	35.5	51.00	21	35.5	F0	C8	7013	C -36 9384
99	10.0	10.0W	25 38.577	-0.0048	13	-36 17 56.07	-0.039	13	0.26	38.647	15	35.5	55.50	21	35.5	F0	C8	7014	C -35 9547
00	9.9	9.1W	25 40.010	0.0003	21	-30 49 30.96	0.102	21	0.44	40.004	22	31.5	32.85	21	31.5	K2	C7	7431	C -3011449

205600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.3	8.6W	14 25 42.764	-0.0055	21	-33 10 1.06	-0.155	21	0.44	42.867	22	31.5	-58.19	21	31.5	K0		C7	7432	C -3210141
2	9.3	9.2W	25 46.440	-0.0003	21	-31 31 25.46	0.033	21	0.44	46.445	22	31.5	26.07	21	31.5	A5		C7	7433	C -3111226
3	10.1	9.8W	25 58.736	-0.0090	08	-35 30 35.22	-0.049	08	0.22	58.867	15	35.5	34.50	21	35.5	G0		C8	7015	C -35 9551
4	10.7	10.0W	26 3.658	-0.0010	21	-33 36 51.76	-0.014	21	0.44	3.677	22	31.5	51.49	21	31.5	G5		C7	7434	C -33 9829
5	11.0	10.0W	26 8.261	-0.0079	21	-34 3 18.89	0.033	21	0.44	8.407	22	31.5	19.50	21	31.5	K0		C7	7435	C -33 9830
6	9.9	9.8W	26 26.974	-0.0009	13	-35 34 45.92	-0.056	13	0.26	26.987	15	35.5	45.10	21	35.5	F2		C8	7016	C -35 9555
7	10.1	10.0W	26 27.308	-0.0015	21	-32 50 45.69	-0.081	21	0.44	27.337	22	31.5	44.19	21	31.5	A2		C7	7436	C -3210146
8	11.0	10.3W	26 27.600	-0.0122	21	-32 17 51.38	0.048	21	0.44	27.825	22	31.5	52.27	21	31.5	K0	L	C7	7437	C -3111229
9	8.3	7.9W	26 29.114	-0.0099	06	-36 49 0.72	-0.049	06	0.20	29.258	15	35.5	0.00	21	35.5	G0		C8	7017	C -36 9393
10	10.7	9.9W	26 34.172	-0.0018	21	-32 37 47.54	-0.046	21	0.44	34.206	22	31.5	46.69	21	31.5	G5		C7	7438	C -3210147
11	9.5	8.7W	26 38.769	-0.0031	21	-33 8 56.90	-0.049	21	0.44	38.826	22	31.5	55.99	21	31.5	K0		C7	7439	C -3210150
12	10.2	8.9W	26 43.487	0.0016	21	-34 32 48.06	-0.030	21	0.44	43.458	22	31.5	47.50	21	31.5	K2		C7	7440	C -34 9665
13	9.5	9.7W	26 47.102	-0.0025	13	-39 2 30.38	-0.026	13	0.26	47.138	15	35.5	30.00	21	35.5	A2		C8	7018	C -38 9413
14	10.0	9.9W	26 51.801	-0.0026	18	-39 12 37.23	-0.002	18	0.32	51.838	15	35.5	37.20	21	35.5	F8		C8	7019	C -38 9417
15	10.7	10.0W	26 53.366	-0.0070	13	-36 43 22.29	0.042	13	0.26	53.468	15	35.5	22.90	21	35.5	K0	L	C8	7021	C -36 9397
16	10.3	9.6W	27 2.009	-0.0036	21	-32 32 21.91	-0.001	21	0.44	2.077	22	31.5	21.89	21	31.5	G5		C7	7441	C -3210153
17	9.8	8.8W	27 5.348	0.0001	21	-32 57 12.38	-0.010	21	0.44	5.347	22	31.5	12.19	21	31.5	K2		C7	7442	C -3210154
18		9.3T	27 10.510	-0.0024	13	-32 48 18.64	-0.013	13	0.65	10.625	22	03.0	18.02	22	03.0	K0		GC	19541	C -3210156
19	10.5	9.6W	27 13.068	-0.0048	21	-33 37 30.55	0.035	21	0.44	13.157	22	31.5	31.20	21	31.5	K0		C7	7444	C -33 9840
20	9.9	9.0W	27 13.366	-0.0041	13	-35 18 45.14	-0.023	13	0.26	13.426	15	35.5	44.80	21	35.5	G5		C8	7022	C -34 9672
21	8.7	7.8W	27 14.771	0.0003	21	-33 23 49.49	-0.016	21	0.44	14.767	22	31.5	49.19	21	31.5	K0		C7	7445	C -33 9839
22	10.8	9.6W	27 22.708	-0.0068	09	-36 13 6.95	0.018	09	0.22	22.807	15	35.5	7.20	21	35.5	K2	L	C8	7023	C -35 9563
23	10.6	9.9W	27 27.039	0.0040	21	-31 15 44.45	-0.043	21	0.44	26.965	22	31.5	43.66	21	31.5	K0	L	C7	7446	C -3011473
24	10.5	10.2W	27 32.523	-0.0039	21	-31 13 50.03	-0.026	21	0.44	32.595	22	31.5	49.56	21	31.5	G0	L	C7	7447	C -3011474
25	10.8		27 40.340	-0.0054	23	-36 48 14.21	0.041	23	0.38	40.418	15	35.5	14.80	21	35.5	F5	L	C8	7025	C -36 9406
26	10.0	10.1W	27 40.705	-0.0028	13	-35 28 46.67	-0.039	13	0.26	40.746	15	35.5	46.10	21	35.5	G0		C8	7026	C#-35 9568
27	10.1	10.0W	27 45.406	0.0013	18	-37 17 28.45	-0.003	18	0.32	45.387	15	35.5	28.40	21	35.5	A5		C8	7027	C -36 9407
28	9.1	8.2W	27 45.809	-0.0014	13	-39 47 3.83	-0.029	13	0.26	45.829	15	35.5	3.40	21	35.5	G5		C8	7028	C -39 8958
29	10.9	10.0W	27 48.670	-0.0032	18	-35 44 2.73	-0.057	18	0.32	48.717	15	35.5	1.90	21	35.5	K1	L	C8	7029	C -35 9570
30	10.2	9.6W	27 48.711	-0.0165	21	-33 4 46.61	-0.012	21	0.44	49.017	22	31.5	46.39	21	31.5	G5		C7	7448	C -3210162
31	8.7	8.7W	27 51.390	0.0009	13	-36 13 22.70	-0.027	13	0.26	51.377	15	35.5	22.30	21	35.5	A2		C8	7030	C -35 9572
32	10.8	9.8W	27 55.142	0.0025	21	-32 28 39.55	-0.010	21	0.44	55.095	22	31.5	39.37	21	31.5	K		C7	7449	C -3210163
33		9.3T	27 55.340	-0.0000	13	-32 49 26.49	-0.027	12	0.65	55.342	22	03.1	25.18	22	01.5	F5		GC	19560	C -3210164
34	10.4	9.5W	28 0.308	-0.0047	13	-35 44 30.44	0.032	13	0.26	0.376	15	35.5	30.90	21	35.5	G0		C8	7031	C -35 9575
35	9.9	8.9W	28 1.041	-0.0005	13	-39 10 9.98	0.002	13	0.26	1.048	15	35.5	10.00	21	35.5	K0		C8	7032	C -38 9428
36	9.9	9.6W	28 2.640	-0.0009	21	-33 57 57.28	-0.026	21	0.44	2.657	22	31.5	56.79	21	31.5	G5		C7	7451	C -33 9849
37		6.0T	28 4.452	0.0005	09	-38 38 56.11	0.027	08	0.35	4.432	12	10.9	57.19	12	09.7	K0		GC	19565	C -38 9430
38	10.0	9.9W	28 6.917	0.0034	23	-37 18 57.65	0.038	23	0.38	6.867	15	35.5	58.20	21	35.5	F0		C8	7034	C -36 9413
39		7.5T	28 11.298	-0.0022	13	-34 27 36.36	-0.032	11	0.62	11.407	19	01.1	34.68	18	98.1	A0		GC	19571	C -34 9694
40	10.5		28 18.738	0.0042	23	-36 6 29.96	0.002	23	0.38	18.677	15	35.5	30.00	21	35.5	F8	L	C8	7035	C -35 9578
41	11.0	10.0W	28 19.466	-0.0021	23	-35 49 37.46	-0.024	23	0.38	19.497	15	35.5	37.10	21	35.5	K1	L	C8	7036	C -35 9579
42	9.0	8.9W	28 28.357	-0.0075	21	-35 7 53.77	-0.009	21	0.44	28.496	22	31.5	53.60	21	31.5	F2		C7	7453	C -34 9699
43	9.6	9.8W	28 31.954	-0.0055	21	-35 3 55.79	-0.010	21	0.44	32.056	22	31.5	55.60	21	31.5	A3		C7	7454	C -34 9701
44	9.6	9.0W	28 40.869	-0.0020	21	-31 47 58.13	-0.041	21	0.44	40.905	22	31.5	57.37	21	31.5	K0		C7	7455	C -3111259
45	10.0	9.6W	28 41.560	-0.0068	21	-32 35 4.91	-0.136	21	0.44	41.686	22	31.5	2.39	21	31.5	G5		C7	7456	C -3210172
46	9.7	8.0W	28 42.031	0.0016	13	-38 20 15.41	-0.076	13	0.26	42.007	15	35.5	14.30	21	35.5	MB		C8	7038	C -38 9442
47	10.5	10.2W	28 43.406	-0.0027	21	-33 27 43.69	-0.000	21	0.44	43.456	22	31.5	43.69	21	31.5	G0		C7	7457	C -33 9854
48	9.8	9.3W	28 47.469	0.0056	21	-32 20 8.83	-0.068	21	0.44	47.365	22	31.5	7.57	21	31.5	G5		C7	7458	C -3210174
49	10.0	10.0W	28 52.557	0.0023	21	-30 41 45.48	0.020	21	0.44	52.515	22	31.5	45.85	21	31.5	A2		C7	7459	C -3011494
50	9.8	8.9W	28 54.378	-0.0042	21	-32 13 56.56	-0.037	21	0.44	54.455	22	31.5	55.87	21	31.5	K0		C7	7460	C -3111262
51	10.1	9.2W	14 28 54.474	-0.0033	21	-31 19 47.98	0.004	21	0.44	54.534	22	31.5	48.06	21	31.5	MA		C7	7461	C -3011495
52	10.6	9.9W	28 54.829	-0.0003	21	-31 14 54.74	-0.021	21	0.44	54.834	22	31.5	54.36	21	31.5	K5		C7	7462	C -3011496
53	10.3	10.2W	28 55.018	-0.0055	18	-37 11 37.64	-0.023	18	0.32	55.098	15	35.5	37.30	21	35.5	F8		C8	7039	C -36 9426
54	10.2	9.7W	28 55.302	-0.0023	21	-30 58 45.72	-0.009	21	0.44	55.344	22	31.5	45.56	21	31.5	G5		C7	7463	C -3011497
55	11.0	9.7W	28 58.832	-0.0024	21	-32 57 59.80	-0.006	21	0.44	58.877	22	31.5	59.69	21	31.5			C7	7464	C -3210176
56		7.7T	29 0.880	-0.0035	13	-31 57 54.86	-0.025	12	0.67	1.053	18	00.1	53.55	17	97.4	K2		GC	19584	C -3111263
57	10.0	9.8W	29 1.837	-0.0035	13	-37 19 10.45	0.011	13	0.26	1.888	15	35.5	10.60	21	35.5	G0		C8	7040	C -36 9427
58	10.2	9.5W	29 2.068	0.0014	23	-36 36 48.47	-0.046	23	0.38	2.048	15	35.5	47.80	21	35.5	K0		C8	7041	C -36 9428
59	10.5	10.1W	29 4.786	-0.0236	23	-36 33 35.15	0.045	23	0.38	5.128	15	35.5	35.80	21	35.5	G5		C8	7042	C -36 9429
60	10.0	9.7W	29 7.655	-0.0001	08	-35 59 8.25	0.011	08	0.22	7.656	15	35.5	8.40	21	35.5	G0		C8	7043	C -35 9594
61	10.9	10.5W	29 8.576	-0.0009	21	-30 14 35.06	-0.028	21	0.44	8.593	22	31.5	34.53	21	31.5	G0	L	C7	7466	C -2911131
62	10.4	9.1W	29 10.039	-0.0042	21	-33 51 42.29	0.033	21	0.44	10.117	22	31.5	42.90	21	31.5	K5		C7	7467	C -33 9860
63	10.1	9.3W	29 12.372	-0.0013	21	-33 24 52.44	0.019	21	0.44	12.397	22	31.5	52.79	21	31.5	G5		C7	7468	C -33 9861
64	9.4	9.3W	29 16.729	-0.0063	21	-33 23 10.57	0.039	21	0.44	16.846	22	31.5	11.29	21	31.5	F0		C7	7469	C -33 9862
65	8.9	8.6W	29 19.677	-0.0076	13	-37 35 47.22	-0.070	13	0.26	19.787	15	35.5	46.20	21	35.5	G0		C8	7044	C -37 9494
66	11.0	9.5W	29 20.733	0.0027	21	-30 13 53.06	0.053	21	0.44	20.683	22	31.5	54.03	21	31.5	K	L	C7	7470	C -2911135
67	9.7	8.4W	29 23.155	-0.0012	21	-34 11 36.43	0.031	21	0.44	23.177	22	31.5	37.00	21	31.5	K5		C7	7471	C -33 9865
68	10.0	9.2W	29 42.187	-0.0014	21	-30 6 38.91	0.023	21	0.44	42.213	22	31.5	39.33	21	31.5	K2		C7	7472	C -2911140
69	10.5	10.3W	29 45.978	-0.0021	21	-34 6 41.32	-0.044	21	0.44	46.017	22	31.5	40.50	21	31.5	G0		C7	7473	C -33 9872
70	10.0	9.6W	29 50.231	-0.0005	18	-39 7 16.19	0.015	18	0.32	50.238	15	35.5	16.40	21	35.5	G0		C8	7046	C -38 9454
71	10.7	9.7W	29 51.300	0.0007	21	-33 39 23.37	-0.009	21	0.44	51.287	22	31.5	23.19	21	31.5	K0		C7	7474	C -33 9874
72	9.5	9.0W	29 52.351	-0.0107	08	-35 18 29.58	-0.033	08	0.22	52.506	15	35.5	29.10	21	35.5	F8		C8	7047	C -34 9723
73	11.0	10.1W	29 53.095	-0.0070	13	-36 7 30.50	0.035	13	0.26	53.197	15	35.5	31.00	21	35.5	K0	L	C8	7048	C -35 9604
74	10.3	9.1W	29 56.625	-0.0011	21	-32 40 34.04	-0.035	21	0.44	56.647	22	31.5	33.39	21	31.5	K2		C7	7475	C -3210188
75	10.1	9.6W	30 5.022	-0.0056	21	-32 31 13.38	-0.039	21	0.44	5.126	22	31.5	12.66	21	31.5	G5		C7	7476	C -3210191
76	10.6	10.3W	30 5.286	-0.0054	21	-33 0 51.08	-0.039	21	0.44	5.386	22	31.5	50.36	21	31.5	G0	L	C7	7477	C -3210189
77	9.1	8.8W	30 6.598	-0.0075	21	-34 28 42.97	-0.119	21	0.44	6.736	22	31.5	40.77	21	31.5	F5		C7	7478	C -34 9726
78	10.5	9.0W	30 8.949	0.0022	10	-39 21 39.39	-0.034	10	0.23	8.917	15	35.5	38.90	21	35.5	MB		C8	7050	C -39 8993
79	9.0	9.4W	30 9.097	0.0001	21	-31 26 38.46	-0.012	21	0.44	9.094	22	31.5	38.23	21	31.5	B9		C7	7479	C -3111280
80	9.3	8.4W	30 9.205	-0.0001	21	-34 29 55.86	0.006	21	0.44	9.206	22	31.5	55.97	21	31.5	K0		C7	7480	C -34 9727
81		6.1T	30 11.413	0.0031	13	-30 29 39.96	-0.019	12	0.67	11.257	18	99.1	38.92	18	96.6	K0		GC	19609K	C#-3011519
82	10.3		30 13.290	-0.0045	18	-37 54 29.09	-0.006	18	0.32	13.356	15	35.5	29.01	21	35.5	F0		C8	7051	C -37 9504
83	9.4	8.0W	30 14.767	0.0001	07	-37 1 19.28	-0.040	07	0.21	14.766	15	35.5	18.70	21	35.5	K0		C8	7052	C -36 9442
84	10.2	10.0W	30 15.540	-0.0008	21	-30 39 42.87	0.009	21	0.44	15.554	22	31.5	43.03	21	31.5			C7	7482	C -3011520
85	10.3	9.3W	30 15.806	-0.0048	08	-37 2 0.89	-0.020	08	0.22	15.876	15	35.5	0.60	21	35.5	K5	L	C8	7053	C -36 9443
86	9.5	8.4W	30 18.621	-0.0020	21	-34 43 55.63	0.014	21	0.44	18.657	22	31.5	55.88	21	31.5	K0		C7	7483	C -34 9729
87	9.2	8.8W	30 19.894	-0.0076	21	-30 40 28.14	-0.022	21	0.44	20.034	22	31.5	27.73	21	31.5	G0		C7	7484	C -3011521
88	9.8	8.9W	30 21.823	0.0026	21	-30 45 11.57	-0.073	21	0.44	21.774	22	31.5	10.23	21	31.5	K2		C7	7485	C -3011522
89	10.2	10.1W	30 26.381	-0.0046	21	-32 38 29.44	0.001	21	0.44	26.466	22	31.5	29.46	21	31.5	F2		C7	7486	C -3210195
90		7.0T	30 26.766	0.0000	09	-33 5 48.15	0.002	08	0.46	26.765	15	00.2	48.25	15	96.7	K0		GC	19616K	C -3210196
91	10.2	9.9W	30 32.943	-0.0110	21	-33 46 19.94	0.050	21	0.44	33.147	22	31.5	20.87	21	31.5	G0		C7	7488	C -33 9884
92	10.9	9.7W	30 36.279	-0.0026	21	-33 55 47.09	-0.050	21	0.44	36.327	22	31.5	46.17	21	31.5	MA		C7	7489	C -33 9886
93	9.9	10.0W	30 38.133	-0.0103	21	-32 10 53.59	0.019	21	0.44	38.325	22	31.5	53.94	21	31.5	A5		C7	7490	C -3111289
94	10.1	9.0W	30 38.836	-0.0014	08	-36 2 59.81	-0.028	08	0.22	38.855	15	35.5	59.40	21	35.5	K2		C8	7056	C -35 9616
95	10.5	9.0W	30 39.545	-0.0002	13	-39 48 7.43	0.032	13	0.26	39.548	15	35.5	7.90	21	35.5	MA		C8	7057	C -39 9004
96	10.2	9.2W	30 43.148	-0.0061	13	-35 39 20.29	-0.013	13	0.26	43.236	15	35.5	20.10	21	35.5	K2		C8	7058	C -35 9618
97	10.1	8.8W	30 44.616	-0.0011	21	-34 22 40.80	0.009	21	0.44	44.636	22	31.5	40.97	21	31.5	K2		C7	7491	C -34 9734
98	9.8	8.8W	30 46.386	-0.0028	10	-39 26 44.31	-0.049	10	0.23	46.427	15	35.5	43.60	21	35.5	K0		C8	7059	C -39 9007
99		9.8W	30 53.167	-0.0075	13	-36 47 48.27	0.002	13	0.26	53.276	15	35.5	48.30	21	35.5			C8	7060	C -36 9453
00	9.7	9.6W	30 59.542	0.0005	21	-30 23 53.64	-0.045	21	0.44	59.532	22	31.5	52.81	21	31.5	F0		C7	7492	C -3011528

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1			14 31 1.988	-0.0036	21	-31 28 30.49	-0.008	21	0.44	2.054	22	31.5	30.33	21	31.5	M0	C7	7493V	C -3111294
2	10.0	9.3W	31 3.382	-0.0084	21	-34 56 23.23	0.014	21	0.44	3.537	22	31.5	23.48	21	31.5	K0	C7	7494	C -34 9738
3	10.4	10.1W	31 3.685	0.0012	21	-30 23 27.30	0.022	21	0.44	3.662	22	31.5	27.70	21	31.5	G0 L	C7	7495	C -3011551
4		7.7T	31 5.929	-0.0039	13	-31 44 17.34	-0.026	12	0.66	6.121	18	00.8	15.90	18	98.7	K0	GC	19631	C -3111296
5	10.7	10.2W	31 8.002	-0.0051	21	-33 58 45.45	-0.037	21	0.44	8.097	22	31.5	44.77	21	31.5	G	C7	7497	C -33 9880
6	10.1	10.1W	31 9.894	-0.0063	13	-36 53 35.06	-0.066	13	0.26	9.986	15	35.5	34.10	21	35.5	A3	C8	7061	C -36 9457
7	10.4	10.0W	31 10.811	-0.0046	21	-32 58 11.60	0.014	21	0.44	10.896	22	31.5	11.86	21	31.5	G0	C7	7498	C -3210205
8	10.3	10.1W	31 14.034	0.0013	13	-36 47 34.12	-0.029	13	0.26	14.016	15	35.5	33.70	21	35.5	F8	C8	7062	C -36 9458
9	9.7	9.7W	31 17.823	-0.0027	21	-30 14 37.40	0.038	21	0.44	17.872	22	31.5	38.10	21	31.5	A5	C7	7499	C -2911156
10	11.1	9.6W	31 20.376	-0.0047	13	-35 27 43.88	0.022	13	0.26	20.445	15	35.5	44.20	21	35.5	K5	C8	7063	C -35 9622
11	9.6	8.1W	31 24.682	-0.0008	21	-34 23 12.71	0.025	21	0.44	24.697	22	31.5	13.17	21	31.5	K5	C7	7500	C -34 9744
12	10.5	9.5W	31 26.602	-0.0076	21	-30 28 16.81	0.043	21	0.44	26.743	22	31.5	17.61	21	31.5	K5	C7	7501	C -3011536
13	10.1	10.2W	31 30.472	-0.0045	18	-38 43 33.58	0.008	18	0.32	30.537	15	35.5	33.70	21	35.5	F0	C8	7066	C -38 9474
14	9.7	9.9W	31 40.807	-0.0009	21	-31 48 55.16	-0.012	21	0.44	40.824	22	31.5	54.95	21	31.5	A0	C7	7502	C -3111303
15		7.3T	31 41.165	-0.0068	13	-35 14 39.02	-0.050	11	0.65	41.502	18	00.6	36.39	18	97.8	F5	GC	19641	C -34 9750
16	9.3	8.8W	31 44.623	0.0012	13	-38 23 7.72	-0.084	13	0.26	44.606	15	35.5	6.50	21	35.5	G5	C8	7068	C -38 9476
17	8.9	8.8W	31 50.451	-0.0020	21	-34 54 53.61	-0.034	21	0.44	50.487	22	31.5	52.98	21	31.5	F0	C7	7503	C -34 9752
18		7.3T	31 51.495	-0.0002	14	-36 59 8.86	0.016	11	0.65	51.504	17	01.7	9.67	18	98.3	G5	GC	19647	C -36 9469
19	10.1	9.2W	31 53.975	-0.0028	21	-33 42 52.97	-0.054	21	0.44	54.027	22	31.5	51.97	21	31.5	K0	C7	7504	C -33 9903
20	9.8	9.7W	31 59.419	-0.0010	21	-34 46 59.81	-0.023	21	0.44	59.437	22	31.5	59.38	21	31.5	F0	C7	7505	C -34 9753
21	10.4	9.6W	32 0.010	0.0030	21	-31 8 13.57	0.019	21	0.44	59.954	22	31.5	13.93	21	31.5	K2	C7	7506	C -3011541
22	9.2	9.1W	32 10.556	-0.0027	13	-35 54 25.37	-0.074	13	0.26	10.595	15	35.5	24.30	21	35.5	A2	C8	7070	C -35 9633
23	9.5	8.2W	32 11.536	-0.0007	18	-38 17 13.78	0.001	18	0.32	11.546	15	35.5	13.80	21	35.5	K2	C8	7071	C -38 9531
24	10.6	9.9W	32 14.486	-0.0049	21	-34 9 43.83	-0.014	21	0.44	14.577	22	31.5	43.57	21	31.5	G5	C7	7507	C -33 9905
25	9.5	9.8W	32 17.142	-0.0043	13	-35 55 9.68	-0.040	13	0.26	17.205	15	35.5	9.10	21	35.5	A0	C8	7073	C -35 9635
26	9.2	8.9W	32 21.230	0.0009	13	-38 59 7.15	-0.052	13	0.26	21.217	15	35.5	6.40	21	35.5	G0	C8	7075	C -38 9485
27	9.5	9.1W	32 30.113	0.0048	21	-32 13 15.51	-0.031	21	0.44	30.025	22	31.5	14.95	21	31.5	G0	C7	7508	C -3111310
28	9.8	9.2W	32 30.480	0.0066	13	-35 37 9.56	-0.025	13	0.26	30.385	15	35.5	9.20	21	35.5	G5	C8	7076	C -35 9637
29	8.2	7.9W	32 33.339	0.0009	13	-36 20 1.70	-0.062	13	0.26	33.325	15	35.5	0.80	21	35.5	F8	C8	7077	C -36 9476
30	10.5	9.7W	32 37.522	-0.0014	21	-34 40 37.79	-0.049	21	0.44	37.547	22	31.5	36.88	21	31.5	K0	C7	7509	C -34 9767
31		9.6T	32 40.111	-0.0004	14	-32 54 6.68	-0.040	63	1.91	40.128	24	04.6	5.02	24	08.6	G0	GC	19665K	C -3210223
32	9.9	9.5W	32 48.002	-0.0025	21	-34 35 57.54	-0.073	21	0.44	48.047	22	31.5	56.18	21	31.5	G5	C7	7511	C -34 9770
33		8.6R	32 51.636	-0.0030	18	-30 3 1.97	0.074	18	0.34	51.686	16	33.4	3.19	16	33.4	K5 J	13B	9201	J -2911178
34	9.8	9.4W	32 55.941	-0.0029	21	-31 29 57.88	-0.095	21	0.44	55.994	22	31.5	56.13	21	31.5	G5	C7	7512	C -3111315
35	10.4	10.3W	33 1.460	-0.0073	18	-37 36 46.48	0.015	18	0.32	1.566	15	35.5	46.70	21	35.5	F0 L	C8	7079	C -37 9540
36	10.5	10.4W	33 2.276	-0.0074	21	-30 16 10.91	-0.016	21	0.44	2.412	22	31.5	10.60	21	31.5	F0 L	C7	7513	C -2911179
37	9.1	8.0W	33 3.950	-0.0080	21	-34 32 52.63	0.003	21	0.44	4.097	22	31.5	52.68	21	31.5	K5	C7	7515	C -34 9775
38		7.7T	33 3.974	-0.0002	13	-34 41 19.50	0.009	12	0.69	3.984	18	98.6	19.96	18	96.4	M0	GC	19670	C*-34 9774
39	10.8	9.9W	33 10.180	-0.0051	21	-32 27 40.38	-0.040	21	0.44	10.274	22	31.5	39.65	21	31.5	K2	C7	7516	C -3210228
40	8.7	9.0W	33 10.928	-0.0033	13	-35 41 51.90	-0.014	13	0.26	10.976	15	35.5	51.71	21	35.5	A0	C8	7080	C -35 9645
41	10.6	9.9W	33 12.804	-0.0023	21	-33 41 51.11	-0.024	21	0.44	12.847	22	31.5	50.67	21	31.5	K0	C7	7517	C -33 9920
42	10.4	10.1W	33 13.786	-0.0058	21	-32 20 29.91	0.034	21	0.44	13.894	22	31.5	30.55	21	31.5	F8	C7	7518	C -3210229
43	9.4	9.6W	33 15.041	-0.0004	18	-39 15 4.29	-0.013	18	0.32	15.047	15	35.5	4.11	21	35.5	A0	C8	7081	C -38 9502
44		6.1T	33 16.137	-0.0033	13	-39 22 46.77	-0.022	07	0.58	16.300	18	00.2	45.41	18	89.5	K0	GC	19674	C -39 9047
45	10.5	9.8W	33 16.325	-0.0017	21	-34 3 52.54	-0.020	21	0.44	18.356	22	31.5	52.17	21	31.5	K0	C7	7519	C -33 9924
46	10.4	9.0W	33 19.201	-0.0031	13	-37 5 7.25	-0.031	13	0.26	19.246	15	35.5	6.80	21	35.5	K5	C8	7083	C -36 9486
47	9.1	9.2W	33 21.589	-0.0029	21	-30 18 14.02	0.021	21	0.44	21.642	22	31.5	14.41	21	31.5	A0	C7	7520	C -2911182
48		10.2W	33 28.873	0.0022	21	-30 8 24.76	-0.008	21	0.44	28.833	22	31.5	24.61	21	31.5		C7	7521	C -2911184
49	10.0	8.9W	33 31.658	-0.0054	23	-36 52 39.26	-0.053	23	0.38	31.736	15	35.5	38.50	21	35.5	K2	C8	7085	C -36 9490
50	9.9	9.9W	33 34.370	-0.0252	13	-35 9 32.19	0.159	13	0.26	34.735	15	35.5	34.50	21	35.5	A5	C8	7086	C -34 9776
51		5.9T	14 33 35.241	-0.0015	11	-39 59 39.63	-0.029	09	0.53	35.315	15	00.4	38.11	15	98.1	B8	GC	19682	C*-39 9050
52	9.6	9.3W	33 38.230	-0.0112	21	-33 33 25.75	0.028	21	0.44	38.437	22	31.5	26.27	21	31.5	F8	C7	7522	C -33 9927
53	8.3	8.7W	33 39.694	-0.0049	21	-30 49 9.34	-0.017	21	0.44	39.784	22	31.5	9.03	21	31.5	B9	C7	7523	C -3011560
54	7.3	7.7W	33 41.888	0.0008	05	-36 26 53.97	-0.005	06	0.20	41.876	15	35.5	53.90	21	35.5	B8	C8	7088	C -36 9491
55	9.9	9.6W	33 43.778	-0.0048	21	-34 8 54.98	-0.017	21	0.44	43.867	22	31.5	54.67	21	31.5	G0	C7	7524	C -33 9929
56	10.6	9.9W	33 47.713	-0.0039	21	-31 13 46.09	-0.003	21	0.44	47.784	22	31.5	46.03	21	31.5		C7	7525	C -3011563
57	7.8	8.1W	33 48.332	-0.0041	21	-34 34 40.81	-0.023	21	0.44	48.407	22	31.5	40.38	21	31.5	A0	C7	7526	C -34 9781
58	10.3	10.2W	33 51.902	-0.0040	21	-33 19 19.99	0.004	21	0.44	51.976	22	31.5	20.06	21	31.5	F8	C7	7527	C -3210235
59	10.3	8.9W	33 52.759	-0.0005	08	-37 10 56.14	-0.037	08	0.22	52.766	15	35.5	55.60	21	35.5	K5	C8	7089	C -36 9493
60		9.8W	33 53.258	-0.0015	21	-33 16 27.06	-0.027	21	0.44	53.286	22	31.5	26.56	21	31.5		C7	7528	C -3210236
61	10.2	9.4W	33 54.793	-0.0044	21	-32 12 14.58	-0.029	21	0.44	54.875	22	31.5	14.04	21	31.5	K0	C7	7529	C -3111327
62	10.5	9.6W	34 0.830	-0.0047	21	-33 32 14.14	0.018	21	0.44	0.917	22	31.5	14.47	21	31.5	K0	C7	7530	C -33 9932
63	9.9	8.2W	34 1.809	-0.0046	13	-36 42 30.04	0.011	13	0.26	1.676	15	35.5	30.20	21	35.5	K5	C8	7090	C -36 9497
64		8.2T	34 2.503	-0.0028	12	-32 57 46.40	-0.032	09	0.57	2.636	19	02.1	44.74	19	98.5	F0	GC	19688	C -3210241
65	9.0	8.9W	34 3.150	0.0058	18	-38 26 24.04	-0.010	18	0.32	3.066	15	35.5	23.90	21	35.5	F2	C8	7091	C -38 9507
66			34 3.650	-0.0018	10	-37 18 54.80	-0.021	10	0.29	3.676	28	35.5	54.50	22	35.5	A0	C8	7092	C*-36 9499
67	9.8	9.8W	34 10.912	0.0025	13	-37 39 15.36	-0.018	13	0.26	10.876	15	35.5	15.11	21	35.5	F8	C8	7093	C -37 9551
68	8.6	8.9W	34 14.975	0.0020	13	-36 29 57.65	0.003	13	0.26	14.945	15	35.5	57.70	21	35.5	A0	C8	7094	C -36 9502
69	9.9	9.7W	34 16.840	-0.0002	21	-32 18 42.77	0.031	21	0.44	16.845	22	31.5	43.35	21	31.5	F5	C7	7532	C -3111330
70	7.9	8.0W	34 20.247	0.0008	13	-36 30 21.00	-0.014	13	0.26	20.236	15	35.5	20.80	21	35.5	A2	C8	7095	C -36 9503
71	9.2	9.3W	34 30.294	-0.0034	21	-34 3 25.33	-0.068	21	0.44	30.356	22	31.5	24.07	21	31.5	A2	C7	7533	C -33 9939
72	11.0	10.7W	34 32.428	-0.0036	21	-30 44 45.21	0.034	21	0.44	32.494	22	31.5	45.83	21	31.5		C7	7534	C -3011570
73	10.3	10.0W	34 36.685	-0.0032	21	-31 36 29.07	0.004	21	0.44	36.745	22	31.5	28.14	21	31.5	G5	C7	7535	C -3111336
74	8.7	7.7W	34 39.962	-0.0105	06	-35 18 12.62	-0.043	06	0.20	40.135	15	35.5	12.00	21	35.5	K0	C8	7096	C -34 9798
75	10.3	10.1W	34 45.141	-0.0024	13	-35 47 6.36	-0.032	13	0.26	45.175	15	35.5	5.90	21	35.5	F8	C8	7097	C -35 9668
76	10.2	9.9W	34 45.966	0.0060	21	-30 44 37.16	-0.131	21	0.44	45.854	22	31.5	34.73	21	31.5	G0	C7	7536	C -3011573
77	10.6	10.3W	34 46.084	0.0006	21	-30 17 26.45	0.057	21	0.44	46.072	22	31.5	27.51	21	31.5	G2 L	C7	7537	C -2911198
78	10.6	9.3W	34 52.867	-0.0027	21	-34 4 1.39	0.004	21	0.44	52.937	22	31.5	1.47	21	31.5	K0	C7	7538	C -33 9946
79	10.5	9.9W	34 55.041	-0.0068	21	-34 15 57.11	-0.013	21	0.44	55.167	22	31.5	56.87	21	31.5	G5	C7	7539	C -33 9947
80	10.7	10.1W	34 57.836	-0.0012	13	-36 2 7.85	-0.038	13	0.26	57.856	15	35.5	7.31	21	35.5	G0 L	C8	7099	C -35 9670
81	9.5	9.4W	34 59.716	-0.0017	21	-34 41 56.64	-0.079	21	0.44	59.747	22	31.5	55.18	21	31.5	F8	C7	7540	C -34 9803
82	8.6	7.6W	35 3.379	0.0016	05	-36 47 31.54	-0.017	05	0.20	3.356	15	35.5	31.30	21	35.5	K0	C8	7101	C -36 9511
83	10.5	9.8W	35 6.447	-0.0048	21	-32 34 0.91	0.008	21	0.44	6.536	22	31.5	1.06	21	31.5	K0	C7	7541	C -3210254
84	10.0	9.7W	35 9.790	0.0057	21	-30 30 10.97	0.031	21	0.44	9.684	22	31.5	11.53	21	31.5	G0	C7	7542	C -3011576
85	10.0	8.8W	35 11.556	-0.0031	21	-32 8 11.67	-0.023	21	0.44	11.614	22	31.5	11.25	21	31.5	K2	C7	7543	C -3111345
86		6.1T	35 11.751	0.0055	12	-38 34 41.07	-0.027	09	0.54	11.484	17	01.6	39.65	15	98.3	K0	GC	19710	C -38 9529
87	10.0	9.5W	35 19.616	-0.0083	13	-35 47 43.59	-0.006	13	0.26	19.735	15	35.5	43.50	21	35.5	G0	C8	7103	C -35 9676
88	8.5	8.2W	35 21.559	-0.0075	06	-39 42 54.61	-0.028	06	0.20	21.668	15	35.5	54.21	21	35.5	G0	C8	7104	C -39 9077
89		6.8T	35 21.650	-0.0032	12	-35 3 36.91	-0.037	10	0.60	21.811	15	99.8	34.89	17	96.2	A2	GC	19716K	C -34 9807
90	10.2	10.0W	35 25.728	-0.0014	21	-31 33 15.60	-0.025	21	0.44	25.755	22	31.5	15.15	21	31.5	F8	C7	7545	C -3111349
91	10.3	9.3W	35 26.519	0.0013	21	-30 38 27.23	0.005	21	0.44	26.494	22	31.5	27.33	21	31.5	K2	C7	7546	C -3011579
92	8.7	8.6W	35 31.891	0.0031	21	-31 42 8.05	-0.033	21	0.44	31.835	22	31.5	7.45	21	31.5	F0	C7	7547	C -3111350
93	9.6	9.3W	35 36.122	-0.0037	10	-38 20 20.02	-0.029	10	0.23	36.176	15	35.5	19.60	21	35.5	G0	C8	7107	C -38 9536
94	8.7	8.9W	35 37.384	-0.0008	18	-37 36 51.01	0.006	18	0.32	37.396	15	35.5	51.11	21	35.5	A0	C8	7108	C -37 9580
95	10.3	9.6W	35 43.424	0.0016	21	-32 3 24.10	-0.014	21	0.44	43.394	22	31.5	23.85	21	31.5	K0	C7	7548	C -3111351
96	10.8	9.7W	35 46.547	-0.0020	13	-37 15 43.97	0.002	13	0.26	46.576	15	35.5	44.00	21	35.5		C8	7109	C -36 9518
97	10.8	9.4W	35 48.362	-0.0030	13	-37 13 30.34	-0.072	13	0.26	48.406	15	35.5	29.30	21	35.5	K1 L	C8	7110	C -36 9520
98	10.2	10.0W	35 49.336	-0.0026	21	-31 59 43.34	0.011	21	0.44	49.384	22	31.5	43.55	21	31.5	F8	C7	7549	C -3111354
99	8.9	9.1W	35 49.840	-0.0005	13	-38 36 2.04	-0.037	13	0.26	49.847	15	35.5	1.50	21	35.5	A0	C8	7111	C -38 9539
00		7.3T	35 52.046	-0.0042	17	-35 22 55.51	-0.190	12	0.75	52.247	19	02.3	46.06	21	00.4	F5	GC	19723	C -35 9683

205800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.6	9.5W	14 35 55.304	0.0013	13	-35 15 23.22	-0.022	13	0.26	55.285	15	35.5	22.90	21	35.5	K0 L	C8	7113	C -34 9818
2	10.7	9.5W	35 56.005	-0.0076	13	-36 51 6.68	0.022	13	0.26	56.116	15	35.5	7.01	21	35.5	K1 L	C8	7114	C -36 9523
3	10.3	10.0W	36 3.135	-0.0015	21	-30 18 15.21	-0.000	21	0.44	3.163	22	31.5	15.20	21	31.5	G0	C7	7550	C -2911212
4	10.5	9.5W	36 10.365	-0.0060	21	-32 51 43.92	0.013	21	0.44	10.476	22	31.5	44.16	21	31.5	K0	C7	7551	C -3210265
5	9.4	8.1W	36 11.614	-0.0015	13	-36 0 56.87	-0.019	13	0.26	11.635	15	35.5	56.60	21	35.5	K2	C8	7115	C -35 9686
6		7.4T	36 14.731	-0.0010	09	-33 9 48.97	-0.021	08	0.49	14.784	17	95.9	47.76	17	92.5	F5	GC	19729	C -3210266
7	10.1	9.8W	36 25.554	-0.0016	21	-32 17 57.10	-0.025	21	0.44	25.585	22	31.5	56.65	21	31.5	G0	C7	7553	C -3111364
8		7.6T	36 28.212	-0.0015	14	-39 20 58.92	-0.010	13	0.72	28.284	18	01.4	58.38	19	98.8	K0	GC	19737	C -39 9092
9	10.4	9.0W	36 28.459	0.0008	21	-31 26 42.64	-0.000	21	0.44	28.444	22	31.5	42.63	21	31.5	MB	C7	7554	C -3111367
10	9.7	9.6W	36 30.224	0.0016	21	-31 21 24.69	-0.030	21	0.44	30.194	22	31.5	24.13	21	31.5	F5	C7	7555	C -3111368
11	8.5	8.7W	36 42.932	-0.0030	18	-38 20 11.97	-0.005	18	0.32	42.976	15	35.5	11.91	21	35.5	A0	C8	7117	C -38 9551
12	9.9	9.4W	36 47.739	-0.0060	13	-36 59 5.83	-0.016	13	0.26	47.826	15	35.5	5.61	21	35.5	G0	C8	7118	C -36 9533
13	9.2	9.0W	36 50.107	-0.0027	13	-36 31 20.45	-0.038	13	0.26	50.146	15	35.5	19.90	21	35.5	F5	C8	7119	C -36 9534
14	9.2	9.1W	36 57.802	0.0015	21	-30 35 23.31	-0.010	21	0.44	57.774	22	31.5	23.13	21	31.5	F0	C7	7556	C -3011604
15	9.6	8.4W	36 59.869	-0.0019	13	-35 30 33.83	0.012	13	0.26	59.896	15	35.5	34.00	21	35.5	K0	C8	7120	C -35 9697
16	10.8	10.0W	37 3.307	-0.0026	21	-33 4 22.89	-0.034	21	0.44	3.356	22	31.5	22.26	21	31.5	K0 L	C7	7557	C -3210275
17	10.0	9.1W	37 8.732	-0.0058	18	-38 0 37.69	-0.006	18	0.32	8.816	15	35.5	37.61	21	35.5	K0	C8	7122	C -37 9595
18	8.8	7.9W	37 26.025	-0.0004	21	-30 19 19.64	0.004	21	0.44	26.032	22	31.5	19.71	21	31.5	K2	C7	7558	C -2911226
19	9.8	9.7W	37 32.391	-0.0008	21	-33 26 18.86	0.016	21	0.44	32.406	22	31.5	19.16	21	31.5	F0	C7	7559	C -33 9984
20	9.6	9.2W	37 41.019	-0.0012	13	-37 12 25.41	-0.001	13	0.26	41.036	15	35.5	25.40	21	35.5	G0	C8	7124	C -36 9544
21	10.1	10.2W	37 50.261	-0.0013	21	-30 50 23.91	0.034	21	0.44	50.284	22	31.5	24.53	21	31.5	F0	C7	7560	C -3011610
22	9.0	8.0W	37 51.305	0.0001	21	-32 6 41.24	-0.027	21	0.44	51.305	22	31.5	40.75	21	31.5	K0	C7	7561	C -3111381
23		5.7T	37 56.611	-0.0019	09	-35 55 15.96	-0.012	07	0.32	56.682	09	13.2	15.48	09	11.7	A0	GC	19758	C -35 9702
24	9.4	9.3W	38 0.126	-0.0054	13	-35 56 26.20	-0.014	13	0.26	0.205	15	35.5	26.01	21	35.5	A	C8	7126	C -35 9703
25	9.7	9.5W	38 3.975	-0.0021	13	-37 4 42.10	-0.048	13	0.26	4.006	15	35.5	41.40	21	35.5	F2	C8	7127	C -36 9545
26	10.3	10.0W	38 7.509	-0.0074	18	-37 25 27.93	-0.023	18	0.32	7.616	15	35.5	27.60	21	35.5	F8	C8	7128	C -37 9609
27	10.6	9.9W	38 10.363	-0.0018	21	-34 19 19.03	-0.014	21	0.44	10.396	22	31.5	18.77	21	31.5	G5	C7	7562	C -33 9991
28	8.5	8.3W	38 13.324	0.0033	08	-36 40 13.62	-0.084	08	0.22	13.276	15	35.5	12.41	21	35.5	F5	C8	7129	C -36 9547
29	9.8	8.8W	38 13.707	-0.0016	21	-34 23 56.92	0.008	21	0.44	13.737	22	31.5	57.07	21	31.5	K0	C7	7563	C -34 9840
30	10.7	9.6W	38 15.344	-0.0016	18	-38 48 57.26	-0.011	18	0.32	15.367	15	35.5	57.11	21	35.5		C8	7131	C -38 9568
31	10.0	9.8W	38 18.351	0.0066	13	-35 41 7.02	-0.167	13	0.26	18.256	15	35.5	4.60	21	35.5	K0	C8	7132	C -35 9707
32	10.2	9.9W	38 21.233	-0.0085	13	-36 15 37.69	-0.027	13	0.26	21.355	15	35.5	37.30	21	35.5	G5	C8	7133	C -35 9708
33	9.3	8.4W	38 21.711	-0.0003	21	-33 44 11.40	-0.029	21	0.44	21.716	22	31.5	10.87	21	31.5	K0	C7	7564	C -33 9994
34	9.9	9.8W	38 24.604	-0.0098	13	-36 46 54.01	0.013	13	0.26	24.746	15	35.5	54.20	21	35.5	G0	C8	7134	C -36 9549
35	10.3	10.0W	38 37.107	-0.0009	21	-31 34 58.47	-0.023	21	0.44	37.125	22	31.5	58.05	21	31.5	F0 L	C7	7565	C -3111391
36	10.2	10.0W	38 37.481	-0.0007	21	-31 36 15.46	-0.017	21	0.44	37.494	22	31.5	15.15	21	31.5	F8	C7	7566	C -3111392
37		10.3W	38 40.365	-0.0049	21	-33 18 8.44	-0.042	21	0.44	40.456	22	31.5	7.66	21	31.5		C7	7567	C -3210296
38	9.4	8.5W	38 41.148	-0.0031	21	-32 54 4.70	-0.002	21	0.44	41.206	22	31.5	4.66	21	31.5	K0	C7	7568	C -3210297
39		4.1T	38 50.701	-0.0020	05	-37 34 48.53	-0.036	04	0.24	50.794	09	03.0	46.70	10	99.7	B3	GC	19779	C*-37 9618
40	10.5	10.4W	38 51.267	-0.0046	21	-30 18 1.06	0.019	21	0.44	51.352	22	31.5	1.41	21	31.5	F0 L	C7	7569	C -2911246
41		6.5T	38 51.766	-0.0024	11	-30 43 11.87	-0.026	09	0.57	51.893	18	97.5	10.45	18	95.0	B9	GC	19780K	C*-3011624
42	10.3	10.2W	38 52.973	-0.0022	13	-36 17 49.06	0.030	13	0.26	53.006	15	35.5	49.50	21	35.5	A5 L	C8	7137	C -35 9718
43	10.3	10.1W	38 57.637	-0.0122	21	-30 28 18.66	-0.046	21	0.44	57.862	22	31.5	17.81	21	31.5	G0 L	C7	7571	C -3011627
44	7.9	8.2W	38 58.273	-0.0007	21	-32 36 5.16	-0.027	21	0.44	58.286	22	31.5	4.66	21	31.5	B9	C7	7572	C -3210301
45	9.3	8.3W	39 2.490	-0.0047	21	-34 6 11.03	-0.003	21	0.44	2.577	22	31.5	10.97	21	31.5	K0	C7	7573	C -3310001
46		6.8T	39 12.195	-0.0107	05	-32 33 20.68	-0.133	06	0.27	12.681	12	04.6	14.76	12	05.5	G5	GC	19790	C -3210306
47	8.3	7.5W	39 14.012	0.0009	21	-33 25 15.08	0.042	21	0.44	13.996	22	31.5	15.86	21	31.5	K0	C7	7575	C -3310003
48	9.0	9.1W	39 15.690	0.0012	21	-34 31 45.39	-0.033	21	0.44	15.667	22	31.5	44.78	21	31.5	A5	C7	7576	C -34 9850
49	9.0	9.1W	39 15.833	-0.0044	18	-39 16 6.29	-0.020	18	0.32	15.897	15	35.5	6.00	21	35.5	A2	C8	7138	C -38 9581
50	10.5	9.4W	39 17.627	-0.0010	21	-32 45 39.62	-0.025	21	0.44	17.646	22	31.5	39.16	21	31.5	K2	C7	7577	C -3210307
51	10.1	10.0W	14 39 20.365	0.0039	21	-30 19 11.17	-0.030	21	0.44	20.292	22	31.5	10.61	21	31.5	F8	C7	7578	C -2911249
52	9.7	8.7W	39 22.695	-0.0027	21	-31 12 43.02	0.028	21	0.44	22.744	22	31.5	43.53	21	31.5	K2	C7	7579	C -3011634
53	9.6	9.1W	39 39.804	-0.0022	13	-36 33 14.07	-0.012	13	0.26	39.836	15	35.5	13.90	21	35.5	G0	C8	7143	C -36 9561
54	10.5		39 40.219	-0.0025	18	-35 39 42.80	-0.014	18	0.32	40.256	15	35.5	42.60	21	35.5	A0	C8	7144	C -35 9728
55	10.5	10.3W	39 45.061	-0.0094	21	-30 51 24.09	-0.008	21	0.44	45.234	22	31.5	23.93	21	31.5	G5 L	C7	7580	C -3011640
56	9.4	8.6W	39 52.072	-0.0030	10	-37 7 47.49	0.035	10	0.23	52.116	15	35.5	48.00	21	35.5	G5	C8	7146	C -36 9562
57	11.0	9.6W	39 53.083	-0.0043	23	-36 56 8.26	-0.011	23	0.38	53.146	15	35.5	8.10	21	35.5	K1 L	C8	7147	C -36 9563
58	9.4	9.6W	39 55.444	-0.0099	21	-33 37 41.78	-0.006	21	0.44	55.627	22	31.5	41.67	21	31.5	A2	C7	7581	C -3310010
59	9.3	8.4W	39 56.278	0.0001	21	-32 35 29.86	0.027	21	0.44	56.276	22	31.5	30.36	21	31.5	K0	C7	7582	C -3210316
60	10.9	10.3W	39 57.630	-0.0084	21	-33 8 51.63	0.072	21	0.44	57.786	22	31.5	52.96	21	31.5		C7	7583	C -3210315
61	9.6	9.7W	40 0.684	-0.0072	21	-34 2 45.57	-0.184	21	0.44	0.817	22	31.5	42.17	21	31.5	A3	C7	7584	C -3310011
62	9.1	8.7W	40 9.600	0.0010	18	-37 19 41.31	0.006	18	0.32	9.586	15	35.5	41.40	21	35.5	F8	C8	7149	C -37 9633
63	9.3	8.6W	40 9.876	-0.0009	21	-30 8 48.11	-0.016	21	0.44	9.892	22	31.5	47.81	21	31.5	K0	C7	7585	C -2911260
64	8.9	8.7W	40 22.658	-0.0041	18	-38 59 45.63	-0.002	18	0.32	22.717	15	35.5	45.60	21	35.5	F5	C8	7150	C -38 9594
65	11.2	9.9W	40 26.035	-0.0048	23	-36 12 4.67	-0.053	23	0.38	26.105	15	35.5	3.90	21	35.5		C8	7151	C -35 9736
66	10.0	9.2W	40 26.991	0.0024	21	-33 40 20.30	-0.002	21	0.44	26.946	22	31.5	20.27	21	31.5	K0	C7	7586	C -3310018
67	8.0	7.3W	40 28.350	-0.0012	13	-39 15 8.03	-0.023	13	0.26	28.367	15	35.5	7.70	21	35.5	G5	C8	7152	C -38 9597
68	8.8	7.9W	40 28.736	-0.0056	13	-39 26 15.24	-0.051	13	0.26	28.817	15	35.5	14.50	21	35.5	K0	C8	7153	C -39 9153
69	9.5	9.4W	40 31.054	-0.0072	21	-33 33 57.33	-0.003	21	0.44	31.187	22	31.5	57.27	21	31.5	F0	C7	7587	C -3310019
70	10.0	9.7W	40 35.136	0.0007	13	-37 53 2.36	-0.025	13	0.26	35.126	15	35.5	2.00	21	35.5	G0	C8	7154	C -37 9637
71		4.1H	40 35.437	-0.0054	02	-34 57 34.58	-0.187	02	0.09	35.611	05	18.0	28.35	05	16.7	K0	F4	544	C -34 9868
72	10.1	8.7W	40 36.392	-0.0040	21	-32 58 22.20	0.014	21	0.44	36.466	22	31.5	22.46	21	31.5	MB	C7	7589	C -3210321
73	9.9	9.7W	40 45.751	-0.0045	21	-32 2 59.33	0.049	21	0.44	45.834	22	31.5	+ 0.25	21	31.5	F2	C7	7590	C -3111423
74		10.1W	40 46.260	-0.0142	23	-36 9 41.30	-0.007	23	0.38	46.466	15	35.5	41.20	21	35.5		C8	7155	C -35 9740
75	10.3	10.2W	40 49.113	-0.0017	21	-32 12 58.72	-0.004	21	0.44	49.144	22	31.5	58.65	21	31.5	F8	C7	7591	C -3111425
76	10.5	9.4W	40 55.749	-0.0048	21	-34 49 12.17	0.006	21	0.44	55.837	22	31.5	12.28	21	31.5	K2 L	C7	7592	C -34 9873
77	9.9	9.8W	40 56.360	0.0010	09	-36 59 55.31	0.013	09	0.22	56.346	15	35.5	55.50	21	35.5	G0	C8	7157	C -36 9575
78	9.9	8.9W	41 2.635	-0.0028	09	-37 6 8.62	-0.022	09	0.22	2.676	15	35.5	8.30	21	35.5	K0	C8	7158	C -36 9576
79	10.7	9.5W	41 4.055	-0.0032	21	-31 13 49.17	-0.023	21	0.44	4.114	22	31.5	48.73	21	31.5	K5 L	C7	7593	C -3011658
80	9.5	9.0W	41 4.243	0.0012	10	-37 56 0.30	-0.124	10	0.23	4.226	15	35.5	58.51	21	35.5	G5	C8	7159	C -37 9644
81	9.0	8.7W	41 4.726	-0.0102	21	-30 35 16.91	0.034	21	0.44	4.914	22	31.5	17.53	21	31.5	G0	C7	7594	C -3011659
82	10.2	10.1W	41 5.548	-0.0048	21	-33 56 37.03	0.002	21	0.44	5.637	22	31.5	37.07	21	31.5	F8	C7	7595	C -3310022
83	10.4	9.4W	41 5.875	-0.0011	21	-33 2 50.11	-0.030	21	0.44	5.896	22	31.5	49.56	21	31.5	K0	C7	7596	C -3210330
84	9.5	8.7W	41 7.135	-0.0029	13	-39 16 57.84	-0.044	13	0.26	7.177	15	35.5	57.20	21	35.5	G5	C8	7160	C -38 9603
85	9.0	9.0W	41 7.320	-0.0025	09	-35 52 40.23	-0.002	09	0.22	7.355	15	35.5	40.20	21	35.5	A3	C8	7161	C -35 9744
86	9.4	9.2W	41 8.586	-0.0048	21	-30 39 56.24	-0.039	21	0.44	8.674	22	31.5	55.53	21	31.5	F8	C7	7597	C -3011661
87	10.4	10.2W	41 8.952	-0.0039	21	-31 51 1.00	-0.014	21	0.44	9.024	22	31.5	0.74	21	31.5	G0	C7	7598	C -3111429
88	9.5	9.3W	41 9.482	-0.0023	18	-38 5 53.23	0.012	18	0.32	9.516	15	35.5	53.40	21	35.5	F0	C8	7162	C -37 9645
89	9.6	9.7W	41 10.696	-0.0017	21	-34 59 13.56	-0.053	21	0.44	10.727	22	31.5	12.58	21	31.5	A2	C7	7599	C -34 9878
90	10.3	9.6W	41 18.850	-0.0079	21	-32 57 2.14	0.028	21	0.44	18.996	22	31.5	2.66	21	31.5	G5	C7	7600	C -3210332
91	10.6	10.0W	41 28.205	-0.0140	21	-32 27 52.69	-0.035	21	0.44	28.464	22	31.5	52.04	21	31.5		C7	7601	C -3210335
92	9.9	9.3W	41 31.239	-0.0060	13	-37 47 47.00	0.014	13	0.26	31.326	15	35.5	47.20	21	35.5	G0	C8	7164	C -37 9654
93	9.1	8.9W	41 32.213	0.0014	21	-34 41 24.66	-0.060	21	0.43	32.187	22	32.0	23.58	21	32.0	F8	C7	7602	C -34 9880
94	10.1	9.4W	41 45.139	0.0007	21	-34 28 59.75	-0.021	21	0.43	45.127	22	32.0	59.37	21	32.0	K2	C7	7603	C -34 9883
95	10.0	9.8W	41 46.385	-0.0046	21	-34 49 48.10	-0.012	21	0.43	46.467	22	32.0	47.88	21	32.0	F5 L	C7	7604	C -34 9884
96		9.1T	41 50.212	-0.0040	12	-32 46 14.85	-0.008	10	0.60	50.403	22	02.2	14.44	22	99.0	F5	GC	19842K	C*-3210342
97	10.5	9.7W	41 50.578	-0.0048	21	-31 57 25.40	0.080	21	0.43	50.665	22	32.0	26.85	21	32.0	K0 L	C7	7606	C -3111434
98	9.7	9.5W	41 53.327	-0.0050	21	-34 10 15.58	-0.067	21	0.43	53.417	22	32.0	14.37	21	32.0	F8	C7	7607	C -3310035
99		5.0T	41 54.660	0.0002	07	-34 58 52.58	-0.008	05	0.30	54.651	12	07.2	52.18	12	02.1	A0	GC	19845	C*-34 9888
00	9.9	8.3W	41 59.474	-0.0009	10	-38 32 38.17	-0.005	10	0.23	59.487	15	35.5	38.10	21	35.5	MB	C8	7166	C -38 9612

205900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 14H DM NUMBER
1	10.3	9.4W	14 42 7.263	-0.0015	13	-35 32 21.13	-0.002	13	0.26	7.285	15	35.5	21.10	21	35.5	G5		C8	7167	C -35 9763
2	9.7	8.3W	42 9.173	-0.0009	09	-38 18 50.56	-0.004	09	0.22	9.186	15	35.5	50.50	21	35.5	K0		C8	7168	C -37 9664
3	9.5	9.4W	42 14.273	-0.0019	21	-33 54 3.73	0.013	21	0.43	14.307	22	32.0	3.97	21	32.0	F5		C7	7609	C -3310043
4		7.3T	42 15.025	-0.0016	17	-35 56 14.23	-0.013	13	0.74	15.102	17	02.6	13.57	18	01.1	A2		GC	19848K	C*-35 9765
5	10.6	9.3W	42 18.818	-0.0043	21	-33 5 25.21	-0.008	21	0.43	18.896	22	32.0	24.06	21	32.0	K5		C7	7610	C -3210346
6	8.8	8.3W	42 23.163	-0.0133	18	-37 44 44.41	-0.049	18	0.32	23.356	15	35.5	43.70	21	35.5	G0		C8	7170	C -37 9667
7	9.8	9.7W	42 24.293	-0.0018	21	-32 35 59.12	-0.042	21	0.43	24.326	22	32.0	58.36	21	32.0	F8		C7	7611	C -3210347
8	9.8	10.1W	42 25.036	-0.0033	13	-36 25 27.58	0.036	13	0.26	25.085	15	35.5	28.10	21	35.5	A0		C8	7171	C -36 9593
9	8.9	8.8W	42 27.169	-0.0006	13	-39 49 11.97	-0.005	13	0.26	27.178	15	35.5	11.90	21	35.5	F5		C8	7172	C*-39 9181
10	10.5	10.2W	42 30.168	-0.0131	21	-32 23 28.76	-0.062	21	0.43	30.405	22	32.0	27.65	21	32.0	F8	L	C7	7612	C -3210348
11	9.7	8.8W	42 30.673	-0.0024	21	-32 31 30.07	-0.045	21	0.43	30.716	22	32.0	29.26	21	32.0	K2		C7	7613	C -3210349
12	10.5	9.7W	42 45.447	0.0000	21	-33 38 11.39	0.021	21	0.43	45.446	22	32.0	11.77	21	32.0	K0		C7	7614	C -3310047
13	10.1	9.9W	42 45.505	-0.0027	21	-31 36 25.68	-0.019	21	0.43	45.554	22	32.0	25.34	21	32.0	A2	L	C7	7615	C -3111440
14	9.2	9.0W	42 50.080	-0.0003	21	-33 17 52.10	0.048	21	0.43	50.086	22	32.0	52.96	21	32.0	F0		C7	7616	C -3210353
15	9.7	8.5W	42 53.909	-0.0033	13	-36 14 9.46	-0.018	13	0.26	53.955	15	35.5	9.20	21	35.5	K0		C8	7174	C -35 9770
16	9.0	7.9W	42 57.991	-0.0038	18	-38 23 38.41	-0.049	18	0.32	58.046	15	35.5	37.70	21	35.5	K0		C8	7175	C -38 9624
17	10.8	9.1W	43 2.819	-0.0088	13	-35 50 1.84	0.004	13	0.26	2.945	15	35.5	1.91	21	35.5	K5		C8	7177	C -35 9772
18	10.6	9.2W	43 2.943	0.0026	23	-37 1 25.59	-0.041	23	0.38	2.906	15	35.5	25.00	21	35.5	K5	L	C8	7176	C -36 9599
19	9.6	8.9W	43 11.832	-0.0051	06	-35 8 22.72	0.026	06	0.20	11.905	15	35.5	23.11	21	35.5	G5		C8	7179	C -34 9904
20	10.0	9.8W	43 13.781	-0.0024	18	-35 29 11.28	-0.054	18	0.32	13.815	15	35.5	10.50	21	35.5	F8		C8	7181	C -35 9775
21	9.6	9.3W	43 16.342	-0.0017	13	-35 31 21.81	-0.070	13	0.26	16.366	15	35.5	20.80	21	35.5	F5		C8	7182	C -35 9777
22	7.6	8.2W	43 18.672	-0.0003	13	-37 0 45.57	-0.012	13	0.26	18.676	15	35.5	45.40	21	35.5	B5		C8	7183	C -36 9605
23	8.6	8.2W	43 19.004	0.0065	21	-33 33 23.30	-0.024	21	0.43	18.886	22	32.0	22.87	21	32.0	G5		C7	7617	C*-3310050
24	9.8	9.2W	43 22.378	-0.0116	09	-36 14 48.85	-0.100	09	0.22	22.545	15	35.5	47.40	21	35.5	G5		C8	7184	C -35 9778
25	9.5	9.3W	43 22.614	-0.0073	21	-32 54 56.82	-0.031	21	0.43	22.746	22	32.0	56.26	21	32.0	F2		C7	7618	C -3210359
26	10.5	9.5W	43 22.786	-0.0006	21	-34 19 41.26	-0.016	21	0.43	22.796	22	32.0	40.97	21	32.0	K5		C7	7619	C -33 9907
27	8.9	8.1W	43 26.525	-0.0033	21	-31 28 22.16	0.043	21	0.43	26.584	22	32.0	22.93	21	32.0	K0		C7	7620	C -3111446
28	11.3	10.2W	43 27.634	-0.0043	18	-36 8 51.54	-0.044	18	0.32	27.696	15	35.5	50.90	21	35.5			C8	7185	C -35 9780
29	10.2	10.0W	43 29.287	-0.0067	08	-36 14 23.63	0.012	08	0.22	29.385	15	35.5	23.80	21	35.5	F5		C8	7186	C -35 9781
30			43 32.248	0.0002	21	-31 57 41.98	-0.019	21	0.43	32.244	22	32.0	41.64	21	32.0	K0		C7	7621V	C*-3111449
31	10.6	9.9W	43 34.496	-0.0045	21	-33 50 3.15	0.090	21	0.43	34.577	22	32.0	4.77	21	32.0	K2		C7	7622	C -3310055
32	9.5	9.6W	43 43.549	0.0008	21	-31 15 10.69	0.036	21	0.43	43.534	22	32.0	11.33	21	32.0	A2		C7	7623	C -3011697
33	9.5	8.8W	43 47.955	-0.0016	21	-31 32 12 8.69	-0.053	21	0.43	47.985	22	32.0	7.74	21	32.0	K0		C7	7624	C -3111451
34	9.9	9.5W	43 49.369	-0.0041	13	-39 35 48.06	-0.025	13	0.26	49.428	15	35.5	47.71	21	35.5	F8		C8	7190	C -39 9203
35	10.2	9.2W	43 49.405	-0.0027	21	-31 35 6.23	0.012	21	0.43	49.454	22	32.0	6.45	21	32.0	K5		C7	7625	C -3111452
36		8.9T	43 49.851	-0.0030	13	-32 49 23.72	-0.012	09	0.57	49.909	21	03.7	23.11	21	99.5	F0		GC	19887	C -3210362
37		6.0T	43 56.370	0.0043	08	-38 4 50.74	-0.094	08	0.37	56.185	14	07.3	46.63	14	06.4	K0		GC	19888	C -37 9686
38	10.5	10.2W	44 0.044	-0.0022	13	-36 10 37.95	-0.031	13	0.26	0.076	15	35.5	37.51	21	35.5	F5		C8	7192	C -35 9790
39	9.9	8.9W	44 13.267	-0.0020	13	-36 33 47.16	-0.025	13	0.26	13.296	15	35.5	46.80	21	35.5	K2		C8	7193	C -36 9624
40	9.6	9.5W	44 16.067	-0.0003	21	-30 13 7.94	0.037	21	0.43	16.072	22	32.0	8.61	21	32.0	A5		C7	7627	C -2911308
41	10.4	10.1W	44 19.263	0.0009	21	-33 50 10.08	0.027	21	0.43	19.247	22	32.0	10.57	21	32.0	G5		C7	7628	C -3310066
42	10.6	9.9W	44 20.481	-0.0051	23	-35 50 25.11	0.006	23	0.38	20.555	15	35.5	25.20	21	35.5	G5		C8	7194	C -35 9795
43	10.2	9.9W	44 24.565	-0.0016	21	-32 25 28.61	0.002	21	0.43	24.594	22	32.0	28.65	21	32.0	G0		C7	7629	C -3210364
44	10.3	9.3W	44 25.153	-0.0008	21	-34 34 54.83	-0.008	21	0.43	25.167	22	32.0	54.68	21	32.0	K2		C7	7630	C -34 9922
45	9.1	8.1W	44 25.367	-0.0031	21	-30 8 33.73	-0.073	21	0.43	25.426	22	32.0	32.41	21	32.0	K0		C7	7631	C -2911309
46	9.0	8.2W	44 25.918	-0.0005	07	-36 45 20.43	-0.016	07	0.21	25.926	15	35.5	20.20	21	35.5	K0		C8	7195	C -36 9626
47	7.8	7.8W	44 36.063	0.0036	21	-34 31 30.14	-0.070	21	0.43	35.997	22	32.0	28.88	21	32.0	A5		C7	7632	C -34 9923
48		7.0T	44 36.228	-0.0056	15	-39 43 4.19	-0.010	11	0.64	36.490	17	03.1	3.67	17	00.4	A0		GC	19901	C*-39 9222
49	9.8	9.6W	44 37.417	0.0008	21	-30 12 56.38	-0.015	21	0.43	37.402	22	32.0	56.10	21	32.0	F0	L	C7	7633	C -2911316
50	9.2	8.2W	44 40.427	-0.0034	13	-36 55 56.40	0.007	13	0.26	40.476	15	35.5	56.50	21	35.5	K2		C8	7197	C -36 9631
51	9.9	9.6W	14 44 40.578	-0.0004	21	-33 29 8.64	-0.038	21	0.43	40.586	22	32.0	7.96	21	32.0	G0		C7	7634	C -3310089
52	10.3	9.6W	44 50.999	0.0013	21	-33 12 29.26	0.011	21	0.43	50.976	22	32.0	29.46	21	32.0	K0		C7	7635	C*-3210371
53	9.1	7.6W	44 51.936	-0.0021	21	-32 2 20.04	-0.022	21	0.43	51.974	22	32.0	19.64	21	32.0	MA		C7	7636	C -3111467
54	10.2	9.6W	44 57.754	-0.0024	21	-34 31 5.90	-0.079	21	0.43	57.797	22	32.0	4.48	21	32.0	K0		C7	7637	C -34 9929
55	9.3	9.4W	45 3.212	0.0011	13	-36 42 27.36	-0.011	13	0.26	3.196	15	35.5	27.20	21	35.5	A2		C8	7200	C -36 9641
56	10.5	9.5W	45 3.326	-0.0172	13	-36 34 30.70	0.062	13	0.26	3.576	15	35.5	31.60	21	35.5	K5		C8	7201	C*-36 9642
57	10.0	9.8W	45 9.923	-0.0019	21	-33 32 36.68	0.005	21	0.43	9.957	22	32.0	36.77	21	32.0	F2		C7	7638	C -3310094
58		8.1R	45 11.271	-0.0042	18	-30 12 24.41	0.010	18	0.34	11.341	16	33.4	24.57	16	33.4	G5	J	138	9325	J -2911321
59	9.7	9.5W	45 11.367	-0.0048	13	-39 11 49.93	-0.016	13	0.26	11.437	15	35.5	49.70	21	35.5	A2		C8	7202	C -38 9655
60	9.9	9.8W	45 11.879	-0.0032	13	-35 17 37.95	0.024	13	0.26	11.925	15	35.5	38.31	21	35.5	G0		C8	7203	C -34 9932
61	8.1	8.2W	45 14.168	-0.0013	18	-38 49 15.62	0.040	18	0.32	14.187	15	35.5	16.20	21	35.5	A3		C8	7204	C -38 9657
62	8.5	8.3W	45 21.146	-0.0006	21	-31 11 38.30	-0.020	21	0.43	21.154	22	32.0	37.93	21	32.0	F2		C7	7640	C -3011714
63	10.6	9.9W	45 24.255	-0.0035	18	-35 19 59.99	-0.027	18	0.32	24.305	15	35.5	59.60	21	35.5	K0		C8	7206	C -35 9809
64		6.8T	45 26.835	0.0031	11	-35 38 1.33	-0.010	09	0.56	26.677	19	98.5	0.74	19	93.9	K0		GC	19916K	C*-35 9810
65	9.6	9.1W	45 31.344	-0.0056	18	-37 39 33.11	0.020	18	0.32	31.426	15	35.5	33.40	21	35.5	F8		C8	7211	C -37 9704
66		6.1T	45 31.360	-0.0012	16	-36 25 35.20	-0.052	11	0.71	31.419	21	02.0	32.43	19	97.2	MB		GC	19917	C -36 9645
67	10.6	9.6W	45 32.150	-0.0007	21	-30 21 7.33	-0.023	21	0.43	32.162	22	32.0	6.91	21	32.0	G5	L	C7	7641	C -3011718
68	8.5	8.4W	45 33.674	-0.0016	21	-30 14 17.71	-0.000	21	0.43	33.703	22	32.0	17.71	21	32.0	A3		C7	7642	C -2911325
69	9.1	8.5W	45 44.152	0.0010	21	-32 24 53.56	-0.023	21	0.43	44.134	22	32.0	53.15	21	32.0	K0		C7	7643	C -3210366
70	9.8	9.8W	45 44.202	-0.0013	21	-32 34 53.82	0.002	21	0.43	44.226	22	32.0	53.86	21	32.0	F0		C7	7644	C -3210367
71	9.5	8.3W	45 45.631	-0.0031	06	-37 25 31.21	-0.001	06	0.20	45.676	15	35.5	31.20	21	35.5	G5		C8	7213	C -37 9710
72	10.8	10.1W	45 48.107	-0.0083	21	-34 25 2.05	-0.010	21	0.43	48.257	22	32.0	1.87	21	32.0	G2	L	C7	7645	C -34 9939
73	9.7	9.9W	45 53.725	-0.0007	13	-35 25 58.83	0.012	13	0.26	53.735	15	35.5	59.00	21	35.5	A2		C8	7214	C -35 9818
74		7.7T	45 56.104	0.0014	16	-35 20 32.01	-0.022	11	0.71	56.037	19	01.8	30.83	19	97.6	A2		GC	19925	C -35 9820
75	9.9	9.8W	46 5.157	-0.0011	21	-34 12 51.42	-0.025	21	0.43	5.177	22	32.0	50.97	21	32.0	F2		C7	7646	C -3310084
76	10.8	10.2W	46 7.293	-0.0046	21	-32 40 37.87	-0.045	21	0.43	7.376	22	32.0	37.06	21	32.0	G2	L	C7	7647	C -3210397
77	9.6	9.3W	46 13.181	-0.0042	21	-33 55 30.13	0.013	21	0.43	13.256	22	32.0	30.37	21	32.0	F8		C7	7648	C -3310091
78	9.2	8.2W	46 13.461	0.0008	21	-33 48 45.44	0.007	21	0.43	13.446	22	32.0	45.57	21	32.0	K2		C7	7649	C -3310092
79	10.3	9.5W	46 17.886	-0.0023	21	-34 44 27.27	-0.016	21	0.43	17.927	22	32.0	26.98	21	32.0	G5	L	C7	7650	C -34 9944
80	9.8	9.3W	46 20.372	-0.0016	13	-37 4 37.24	-0.003	13	0.26	20.396	15	35.5	37.21	21	35.5	G0		C8	7217	C -36 9655
81	10.6	9.0W	46 22.594	-0.0015	13	-35 50 10.09	-0.013	13	0.26	22.616	15	35.5	9.90	21	35.5	K5		C8	7218	C -35 9824
82	10.7	9.8W	46 24.106	0.0012	21	-30 48 44.16	-0.018	21	0.43	24.084	22	32.0	43.83	21	32.0	K2	L	C7	7651	C -3011732
83	10.4	10.0W	46 26.774	-0.0090	13	-36 9 59.14	-0.065	13	0.26	26.905	15	35.5	58.20	21	35.5	G0		C8	7219	C -35 9826
84	9.5	10.0W	46 27.670	0.0003	23	-36 55 31.59	-0.068	23	0.38	27.666	15	35.5	30.60	21	35.5	B8		C8	7220	C -36 9657
85	10.0	9.1W	46 32.600	-0.0029	21	-30 12 19.17	-0.031	21	0.43	32.652	22	32.0	18.61	21	32.0	K2		C7	7652	C -2911338
86		8.7T	46 46.394	-0.0023	12	-32 46 46.66	-0.019	12	0.61	46.503	21	02.4	45.78	19	03.4	A0		GC	19941	C -3211407
87	8.9	9.0W	46 46.460	0.0008	21	-31 9 20.68	-0.030	21	0.43	46.454	22	32.0	20.13	21	32.0	A3		C7	7653	C -3011736
88		7.0T	46 46.964	0.0048	11	-32 13 13.27	-0.088	12	0.63	46.715	19	98.2	8.55	18	96.4	G5		GC	19942	C -3111497
89	9.2	8.3W	46 55.736	0.0014	18	-38 19 37.81	-0.001	18	0.32	55.716	15	35.5	37.80	21	35.5	G5		C8	7224	C -38 9683
90	10.1	10.1W	46 56.233	-0.0022	18	-35 34 54.36	-0.032	18	0.32	56.266	15	35.5	53.90	21	35.5	A2		C8	7225	C -35 9833
91	8.1	7.8W	46 57.964	-0.0070	06	-37 11 26.50	-0.124	06	0.20	58.066	15	35.5	24.70	21	35.5	F8		C8	7226	C -36 9666
92	9.8	8.4W	47 1.398	-0.0026	13	-36 59 59.05	-0.024	13	0.26	1.436	15	35.5	58.70	21	35.5	K2		C8	7227	C -36 9668
93	10.5	10.5W	47 7.147	-0.0041	13	-36 2 19.20	-0.014	13	0.26	7.205	15	35.5	19.00	21	35.5	A5		C8	7228	C -35 9837
94	10.2	10.2W	47 16.422	-0.0109	13	-36 7 51.15	0.031	13	0.26	16.645	15	35.5	51.61	21	35.5	F0		C8	7230	C -35 9840
95	10.0	9.9W	47 18.443	-0.0012	21	-31 22 40.61	-0.005	21	0.43	18.464	22	32.0	40.53	21	32.0	A5	L	C7	7656	C -3111504
96	7.9	8.1W	47 25.472	0.0019	21	-34 53 13.75	-0.059	21	0.43	25.437	22	32.0	12.68	21	32.0	A2		C7	7657	C -34 9964
97	9.8	9.7W	47 25.658	-0.0048	21	-30 44 3.81	-0.027	21	0.43	25.744	22	32.0	3.33	21	32.0	A3		C7	7658	C -3011747
98	10.3	10.1W	47 27.987	-0.0011	21	-33 37 12.48	-0.034	21	0.43	28.006	22	32.0	11.87	21	32.0	F2	L	C7	7659	C -3310156
99	10.3	8.7W	47 32.636	0.0007	09	-37 1 52.29	-0.034	09	0.22	32.626	15	35.5	51.80	21	35.5	MA		C8	7231	C -36 9674
00		7.5T	47 36.167	-0.0076	17	-32 15 29.98	-0.154	14	0.77	36.527	18	02.6	22.35	18	00.5	G0		GC	19961	C -3111511

206000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.		CAT.	SOURCE STAR NUMBER	-30° 14H DM NUMBER
1	8.9	7.9W	14 47 39.030	-0.0012	18	-39 11 11.40	-0.007	18	0.32	39.047	15	35.5	11.30	21	35.5	K0		C8	7232	C -38 9673
2	9.1	7.9W	47 50.931	-0.0025	13	-39 28 27.80	-0.021	13	0.26	50.967	15	35.5	27.50	21	35.5	K0		C8	7234	C -39 9275
3	9.3	9.2W	47 53.913	-0.0015	07	-36 10 44.81	-0.001	07	0.21	53.935	15	35.5	44.80	21	35.5	F0		C8	7235	C -35 9847
4	9.7	9.0W	47 55.881	-0.0045	09	-36 53 26.33	-0.085	09	0.22	55.946	15	35.5	25.10	21	35.5	G0		C8	7236	C -36 9679
5	10.4	10.2W	47 57.497	-0.0020	23	-36 1 7.76	-0.046	23	0.38	57.525	15	35.5	7.10	21	35.5	F0	L	C8	7238	C -35 9848
6	10.4	10.1W	47 57.826	-0.0089	21	-33 8 41.88	-0.012	21	0.43	57.986	22	32.0	41.66	21	32.0	F8	L	C7	7661	C -3210416
7	10.3	9.1W	47 57.948	-0.0033	23	-35 41 42.47	-0.012	23	0.38	57.995	15	35.5	42.30	21	35.5	K0		C8	7239	C -35 9849
8	10.5	9.2W	48 11.522	-0.0036	21	-34 2 42.92	0.008	21	0.43	11.586	22	32.0	43.07	21	32.0	K5		C7	7662	C -3310113
9	9.6	8.4W	48 11.841	-0.0024	18	-38 9 57.16	-0.025	18	0.32	11.876	15	35.5	56.80	21	35.5	K0		C8	7240	C -37 9739
10	9.0	9.3W	48 12.067	-0.0056	13	-39 50 9.86	-0.039	13	0.26	12.148	15	35.5	9.30	21	35.5	B9		C8	7241	C -39 9282
11	9.5	8.4W	48 15.278	-0.0042	21	-32 10 51.68	-0.013	21	0.43	15.354	22	32.0	51.45	21	32.0	K2		C7	7663	C -3111519
12	10.6	9.0W	48 21.545	-0.0015	10	-39 7 48.11	-0.035	10	0.23	21.567	15	35.5	47.60	21	35.5	MA		C8	7242	C -38 9711
13	10.5	9.5W	48 23.689	0.0030	23	-36 32 35.65	-0.045	23	0.38	23.646	15	35.5	35.00	21	35.5	K0		C8	7243	C -36 9682
14	10.9	10.0W	48 27.943	0.0021	21	-33 18 42.97	0.005	21	0.43	27.906	22	32.0	43.06	21	32.0	K0	L	C7	7664	C -3310115
15	10.0	9.0W	48 32.254	-0.0098	13	-35 53 16.86	0.030	13	0.26	32.395	15	35.5	17.30	21	35.5	K0		C8	7245	C -35 9855
16	8.4	8.2W	48 39.772	-0.0085	21	-30 40 19.51	-0.066	21	0.43	39.924	22	32.0	18.33	21	32.0	F5		C7	7665	C -3011768
17	9.6	9.2W	48 39.850	-0.0047	21	-30 40 42.93	-0.044	21	0.43	39.934	22	32.0	42.13	21	32.0	F5	L	C7	7666	C -3011767
18	10.0	8.8W	48 47.543	-0.0022	10	-36 20 45.00	-0.048	10	0.23	47.575	15	35.5	44.30	21	35.5	K0		C8	7246	C -36 9688
19	9.8	9.6W	48 49.111	-0.0057	21	-31 37 12.03	-0.016	21	0.43	49.214	22	32.0	11.75	21	32.0	G0		C7	7668	C -3111527
20	10.0	8.8W	48 50.559	-0.0004	21	-34 16 29.86	0.028	21	0.43	50.566	22	32.0	30.37	21	32.0	MA		C7	7669	C -3310120
21	9.4	8.1W	48 51.295	0.0020	18	-36 25 20.30	-0.014	18	0.32	51.265	15	35.5	20.10	21	35.5	K0		C8	7247	C -36 9689
22	10.4	9.7W	49 2.680	-0.0065	21	-33 57 41.39	-0.001	21	0.43	2.796	22	32.0	41.37	21	32.0	K0		C7	7670	C -3310122
23	10.3	9.4W	49 6.965	0.0004	21	-34 49 12.43	-0.064	21	0.43	6.957	22	32.0	11.28	21	32.0	G5		C7	7671	C*-34 9982
24	10.1	9.5W	49 12.547	-0.0011	21	-33 40 47.61	-0.019	21	0.43	12.567	22	32.0	47.27	21	32.0	G5		C7	7672	C -3310124
25	10.6	9.7W	49 15.788	0.0023	21	-34 11 49.82	0.003	21	0.43	15.747	22	32.0	49.87	21	32.0	K2	L	C7	7673	C -3310128
26		8.8T	49 20.608	-0.0027	12	-32 40 18.44	-0.000	08	0.56	20.736	22	02.3	18.43	22	96.7	G5		GC	19996	C -3210425
27	9.7	8.8W	49 23.474	-0.0061	21	-32 24 3.88	-0.091	21	0.43	23.585	22	32.0	2.25	21	32.0	K0		C7	7675	C -3210428
28	8.7	8.8W	49 23.636	-0.0000	13	-37 58 28.50	-0.048	13	0.26	23.636	15	35.5	27.80	21	35.5	A2		C8	7250	C -37 9757
29	10.0	9.8W	49 25.617	-0.0003	21	-30 13 14.05	-0.002	21	0.43	25.623	22	32.0	14.01	21	32.0	F0	L	C7	7676	C -2911367
30	9.7	9.5W	49 25.792	-0.0069	21	-33 3 43.79	-0.007	21	0.43	25.916	22	32.0	43.66	21	32.0	G0		C7	7677	C -3210429
31	9.7	8.3W	49 28.974	-0.0011	21	-31 48 19.47	0.004	21	0.43	28.994	22	32.0	19.54	21	32.0	K5		C7	7678	C -3111534
32	9.7	9.4W	49 29.149	-0.0061	08	-39 48 2.57	-0.026	08	0.22	29.238	15	35.5	2.20	21	35.5	G0		C8	7251	C -39 9303
33	9.6	9.3W	49 33.504	-0.0050	21	-31 53 0.65	0.022	21	0.43	33.594	22	32.0	1.04	21	32.0	F2		C7	7679	C -3111536
34	8.3	8.5W	49 33.785	-0.0029	18	-38 44 25.06	0.003	18	0.32	33.827	15	35.5	25.11	21	35.5	A2		C8	7252	C -38 9726
35		6.4T	49 33.928	-0.0254	08	-30 22 19.64	-0.029	06	0.30	34.917	09	11.1	18.41	09	08.3	G0		GC	19999	C*-3011780
36	9.6	9.5W	49 38.909	0.0008	21	-31 16 27.80	-0.010	21	0.43	38.894	22	32.0	27.63	21	32.0	F0		C7	7681	C -3011781
37		5.1T	49 42.227	-0.0028	06	-37 35 55.12	-0.018	05	0.23	42.336	09	10.5	54.35	09	07.2	B8		GC	20000	C -37 9760
38	10.0	9.0W	49 45.661	-0.0035	21	-32 5 11.77	-0.046	21	0.43	45.724	22	32.0	10.94	21	32.0	K0		C7	7682	C -3111537
39	10.3	9.6W	49 46.547	-0.0038	21	-33 15 6.01	-0.025	21	0.43	46.616	22	32.0	5.56	21	32.0	G5	L	C7	7683	C -3210436
40	9.1	8.8W	49 47.086	-0.0034	18	-37 7 8.76	-0.032	18	0.32	47.136	15	35.5	8.30	21	35.5	F0		C8	7254	C -36 9709
41		8.1T	49 47.338	-0.0007	13	-33 25 23.34	-0.011	09	0.61	47.372	18	00.4	22.74	17	95.7	F0		GC	20004	C -3310135
42	9.6	9.5W	49 47.359	-0.0046	18	-35 10 35.09	-0.027	18	0.32	47.425	15	35.5	34.70	21	35.5	F0		C8	7255	C -34 9996
43	10.5	9.4W	49 48.917	-0.0027	13	-37 21 51.09	-0.048	13	0.26	48.956	15	35.5	50.40	21	35.5	K0		C8	7256	C -37 9764
44	9.0	8.1W	49 49.642	-0.0035	21	-30 50 16.52	-0.010	21	0.43	49.704	22	32.0	16.33	21	32.0	K0		C7	7685	C -3011784
45	10.6	9.0W	49 53.111	-0.0024	13	-37 25 21.98	-0.040	13	0.26	53.146	15	35.5	21.40	21	35.5	K0		C8	7257	C -37 9765
46	10.5	9.7W	49 53.483	0.0043	21	-32 43 49.16	-0.000	21	0.43	53.406	22	32.0	49.16	21	32.0	G5	L	C7	7686	C -3210438
47	10.1	9.3W	49 56.416	-0.0038	21	-32 4 51.59	0.003	21	0.43	56.484	22	32.0	51.65	21	32.0	G5		C7	7687	C -3111538
48		6.6T	49 57.254	-0.0011	15	-38 3 9.62	-0.017	13	0.74	57.308	21	00.3	8.72	21	97.7	A0		GC	20008	C*-37 9766
49	11.1	10.3W	50 2.136	-0.0049	21	-31 38 31.37	0.004	21	0.43	2.224	22	32.0	31.44	21	32.0			C7	7688	C -3111539
50	9.9	9.6W	50 3.611	-0.0057	21	-32 19 14.27	0.043	21	0.43	3.715	22	32.0	15.05	21	32.0	G0		C7	7689	C -3210440
51	9.4	9.4W	14 50 8.143	-0.0046	21	-33 5 29.31	-0.025	21	0.43	8.226	22	32.0	28.86	21	32.0	A3		C7	7690	C -3210441
52	10.1	9.1W	50 24.977	-0.0027	13	-36 26 19.50	-0.007	13	0.26	25.015	15	35.5	19.41	21	35.5	G5		C8	7259	C -36 9718
53	10.0	9.0W	50 26.369	-0.0054	21	-35 6 25.16	-0.037	21	0.43	26.465	22	32.0	24.50	21	32.0	G0		C7	7691	C -3410004
54	10.0	9.9W	50 27.002	-0.0014	21	-34 45 49.58	-0.083	21	0.43	27.027	22	32.0	48.08	21	32.0	F8		C7	7692	C -3410005
55	9.0	8.7W	50 28.221	-0.0007	21	-31 52 28.63	-0.016	21	0.43	28.235	22	32.0	28.34	21	32.0	F5		C7	7693	C -3111546
56	10.2	8.7W	50 29.696	-0.0014	13	-36 1 45.13	0.005	13	0.26	29.715	15	35.5	45.20	21	35.5	K5		C8	7260	C -35 9876
57		7.1T	50 35.314	0.0030	17	-39 32 38.85	-0.012	12	0.75	35.170	18	02.2	38.22	18	99.6	F5		GC	20020	C*-39 9315
58	9.2	9.1W	50 39.655	-0.0062	21	-33 54 50.96	0.017	21	0.43	39.766	22	32.0	51.27	21	32.0	F0		C7	7694	C -3310145
59	10.7	10.5W	50 39.778	-0.0042	21	-31 48 36.17	-0.007	21	0.43	39.855	22	32.0	36.05	21	32.0	G0	L	C7	7695	C -3111548
60		7.7T	50 43.217	-0.0018	13	-33 29 17.84	0.012	11	0.65	43.307	19	99.5	18.48	18	95.7	A2		GC	20025	C -3310146
61		7.7T	50 49.156	-0.0024	12	-33 26 18.38	0.003	10	0.59	49.269	15	02.6	18.55	18	94.3	K5		GC	20028	C -3310148
62	11.1	10.1W	50 50.417	-0.0020	13	-36 5 43.85	-0.045	13	0.26	50.446	15	35.5	43.20	21	35.5	K0	L	C8	7262	C -35 9883
63	10.0	9.6W	50 52.834	-0.0056	13	-36 39 53.05	-0.031	13	0.26	52.916	15	35.5	52.61	21	35.5	F2		C8	7263	C -36 9724
64	9.8	9.6W	50 58.468	0.0008	13	-39 4 30.10	-0.048	13	0.26	58.457	15	35.5	29.40	21	35.5	F2		C8	7264	C -38 9746
65	8.1	7.9W	51 0.319	-0.0020	21	-31 25 32.94	-0.017	21	0.43	0.354	22	32.0	32.63	21	32.0	F2		C7	7698	C -3111553
66	10.4	9.2W	51 7.180	-0.0026	21	-34 26 47.90	-0.013	21	0.43	7.226	22	32.0	47.67	21	32.0	MA		C7	7699	C -3410012
67	10.6	9.8W	51 11.922	-0.0012	21	-32 3 34.60	0.019	21	0.43	11.944	22	32.0	34.95	21	32.0	G5	L	C7	7700	C -3111556
68	10.9	9.3W	51 13.773	-0.0036	13	-35 18 16.27	0.023	13	0.26	13.825	15	35.5	16.61	21	35.5	K5		C8	7265	C -3410013
69	10.9	9.6W	51 15.994	-0.0015	13	-36 40 5.76	-0.018	13	0.26	16.016	15	35.5	5.51	21	35.5	K0	L	C8	7266	C -36 9730
70	10.8	10.0W	51 16.457	-0.0020	13	-36 56 31.49	-0.027	13	0.26	16.486	15	35.5	31.11	21	35.5	G5		C8	7267	C -36 9731
71		7.2T	51 20.725	-0.0024	12	-33 56 22.31	-0.037	11	0.61	20.845	18	99.2	20.40	18	98.5	A0		GC	20044K	C*-3310153
72		7.8T	51 21.539	-0.0040	14	-39 8 35.87	-0.043	12	0.67	21.728	18	02.4	33.61	18	98.0	G0		GC	20045K	C*-38 9753
73	9.3	8.1W	51 22.060	0.0010	13	-38 3 22.08	-0.019	13	0.26	22.046	15	35.5	21.81	21	35.5	K0		C8	7269	C -37 9781
74	9.3	8.5W	51 24.809	-0.0027	21	-34 43 1.11	-0.024	21	0.43	24.857	22	32.0	0.68	21	32.0	G5		C7	7702	C -3410015
75		8.3T	51 26.244	-0.0017	13	-39 6 22.30	-0.024	12	0.69	26.328	22	00.1	20.97	19	95.7	K0		GC	20048	C -38 9754
76	10.8	10.0W	51 26.305	-0.0016	21	-31 34 29.32	-0.032	21	0.43	26.335	22	32.0	28.75	21	32.0	K0	L	C7	7703	C -3111560
77	8.3	7.9W	51 29.852	-0.0058	08	-36 33 44.23	-0.078	08	0.22	29.936	15	35.5	43.10	21	35.5	F5		C8	7271	C -36 9735
78	10.2	8.8W	51 30.046	-0.0044	21	-30 38 44.36	-0.007	21	0.43	30.124	22	32.0	44.23	21	32.0	K2		C7	7704	C -3011803
79		5.9T	51 34.242	0.0000	10	-33 5 51.82	-0.002	10	0.56	34.241	17	96.7	51.71	17	95.5	K0		GC	20051K	C -3210457
80	9.2	9.2W	51 38.800	-0.0019	21	-31 31 44.76	0.049	21	0.43	38.834	22	32.0	45.65	21	32.0	A2		C7	7706	C -3111563
81	9.0	9.0W	51 43.005	-0.0048	13	-35 57 2.58	-0.040	13	0.26	43.076	15	35.5	2.00	21	35.5	A3		C8	7273	C -35 9888
82	8.9	9.0W	51 43.218	0.0029	09	-38 1 39.25	-0.004	09	0.22	43.176	15	35.5	39.20	21	35.5	A0		C8	7274	C -37 9785
83		7.2T	51 47.088	-0.0016	15	-36 13 39.32	-0.028	12	0.71	47.168	19	00.9	37.81	19	96.9	A0		GC	20055K	C*-35 9890
84	9.3	8.2W	51 48.810	-0.0038	13	-36 18 46.10	-0.014	13	0.26	48.866	15	35.5	45.90	21	35.5	K2		C8	7276	C -36 9736
85	10.2	9.2W	51 51.712	-0.0030	21	-32 36 36.97	-0.023	21	0.43	51.766	22	32.0	36.56	21	32.0	K2		C7	7707	C -3210459
86	9.9	9.5W	51 53.499	-0.0132	21	-34 14 31.56	-0.033	21	0.43	53.737	22	32.0	30.97	21	32.0	G0		C7	7708	C -3310159
87	9.0	9.0W	51 55.434	-0.0036	13	-35 57 47.15	0.010	13	0.26	55.485	15	35.5	47.30	21	35.5	A5		C8	7277	C -35 9892
88	10.4	9.5W	52 7.632	-0.0052	21	-33 3 4.62	0.019	21	0.43	7.726	22	32.0	4.96	21	32.0	K2		C7	7709	C -3210461
89	9.9	8.5W	52 13.497	-0.0075	23	-37 1 54.53	-0.023	23	0.38	13.606	15	35.5	54.20	21	35.5	K2		C8	7279	C -36 9740
90	10.1	9.2W	52 17.744	-0.0018	21	-34 28 3.68	-0.023	21	0.43	17.777	22	32.0	3.27	21	32.0			C7	7710	C -3410029
91	10.6	10.0W	52 19.839	-0.0012	13	-36 11 53.12	-0.022	13	0.26	19.855	15	35.5	52.80	21	35.5	G2	L	C8	7280	C -35 9896
92	7.8	7.5W	52 21.424	-0.0015	07	-36 57 34.02	-0.022	07	0.21	21.446	15	35.5	33.71	21	35.5	F2		C8	7281	C -36 9744
93	9.7	9.4W	52 21.705	-0.0062	06	-36 22 4.22	-0.077	06	0.20	21.796	15	35.5	3.11	21	35.5	F5		C8	7282	C -36 9745
94	9.1	8.0W	52 25.137	0.0007	21	-31 13 0.10	-0.020	21	0.43	25.124	22	32.0	59.73	21	32.0	K0		C7	7711	C -3011813
95	9.8	9.5W	52 26.603	0.0082	21	-33 29 18.05	-0.077	21	0.43	26.456	22	32.0	16.66	21	32.0	G0		C7	7712	C -3310167
96	10.2	9.0W	52 27.681	0.0020	21	-31 19 37.96	0.049	21	0.43	27.644	22	32.0	38.83	21	32.0	K2		C7	7713	C -3111572
97	10.2	9.2W	52 33.218	-0.0034	13	-39 15 49.71	-0.063	13	0.26	33.267	15	35.5	48.80	21	35.5	K2		C8	7283	C -38 9773
98	9.3	9.3W	52 37.348	0.0030	21	-30 58 46.32	0.000	21	0.43	37.294	22	32.0	46.33	21	32.0	A2		C7	7714	C -3011815
99		5.3H	52 40.096	0.0017	03	-33 39 14.44	-0.004	02	0.11	40.032	05	11.4	14.27	05	11.9	A0		F4	1389	C -3310169
00	9.7	9.4W	52 41.458	-0.0041	10	-39 31 37.36	-0.046	10	0.23	41.518	15	35.5	36.70	21	35.5	F8		C8	7284	C -39 9355

206100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 14H DM NUMBER
1	9.4	8.4W	14 52 53.991	0.0025	21	-32 52 3.39	0.004	21	0.43	53.946	22	32.0	3.46	21	32.0	K0		C7	7716	C -3210471
2	10.7	10.3W	52 56.939	-0.0086	21	-31 52 6.65	0.033	21	0.43	57.094	22	32.0	7.24	21	32.0	F2	L	C7	7717	C -3111575
3	9.6	9.0W	52 58.041	-0.0013	21	-30 53 10.38	-0.008	21	0.43	58.064	22	32.0	10.23	21	32.0	K0		C7	7718	C -3011822
4	9.3	8.9W	53 2.403	0.0012	18	-38 23 51.80	-0.041	18	0.32	2.386	15	35.5	51.21	21	35.5	F8		C8	7285	C -38 9780
5	10.0	8.8W	53 5.299	0.0002	13	-36 51 52.96	-0.025	13	0.26	5.296	15	35.5	52.60	21	35.5	K0		C8	7287	C -36 9755
6	10.4	8.6W	53 5.516	-0.0027	13	-35 11 10.54	0.004	13	0.26	5.555	15	35.5	10.60	21	35.5	MA		C8	7288	C -3410041
7		7.2T	53 13.904	-0.0033	14	-39 25 36.89	-0.034	12	0.69	14.063	22	01.5	35.09	21	97.5	F0		GC	20079	C -39 9364
8	8.5	8.6W	53 19.568	-0.0009	21	-30 40 31.94	0.033	21	0.43	19.584	22	32.0	32.53	21	32.0	A2		C7	7719	C -3011826
9	10.0	9.1W	53 23.568	-0.0074	09	-35 46 12.69	-0.027	09	0.22	23.676	15	35.5	12.30	21	35.5	K0		C8	7290	C -35 9909
10		6.4T	53 24.320	-0.0023	16	-39 12 52.98	-0.028	08	0.64	24.425	21	03.9	51.39	18	94.1	A0		GC	20082	C -38 9785
11		7.4T	53 25.526	-0.0073	12	-34 25 49.16	-0.040	12	0.65	25.894	17	99.4	47.08	17	98.2	F8		GC	20083K	C*-3410047
12		6.2T	53 27.634	-0.0006	10	-32 26 6.59	-0.032	07	0.51	27.664	18	99.5	4.80	18	94.1	K0		GC	20084	C -3210480
13	11.3	10.0W	53 29.514	0.0006	23	-36 8 51.25	-0.045	23	0.38	29.506	15	35.5	50.60	21	35.5	K0	L	C8	7292	C -35 9910
14	11.0	9.6W	53 33.123	0.0012	13	-35 17 17.13	-0.037	13	0.26	33.105	15	35.5	16.60	21	35.5	K5		C8	7294	C -3410048
15	8.1	8.1W	53 35.412	-0.0030	21	-35 2 18.05	-0.052	21	0.43	35.465	22	32.0	17.10	21	32.0	F0		C7	7722	C -3410050
16	9.5	9.3W	53 43.810	-0.0064	21	-34 2 42.08	0.049	21	0.43	43.907	22	32.0	42.97	21	32.0	G0		C7	7723	C -3310181
17	7.9	8.0W	53 47.653	-0.0029	13	-35 29 39.82	-0.022	13	0.26	47.695	15	35.5	39.50	21	35.5	A2		C8	7296	C -35 9917
18	9.5	9.2W	53 50.453	-0.0009	18	-37 44 8.81	-0.035	18	0.32	50.466	15	35.5	8.30	21	35.5	G0		C8	7297	C -37 9805
19	10.3	9.2W	53 51.264	-0.0038	21	-30 4 50.96	-0.042	21	0.43	51.332	22	32.0	50.20	21	32.0	K0		C7	7724	C -2911416
20	9.8	9.7W	53 52.001	-0.0015	21	-34 40 46.82	-0.019	21	0.43	52.027	22	32.0	46.48	21	32.0	F0		C7	7725	C -3410053
21	10.8	10.0W	53 53.900	-0.0030	21	-32 22 45.19	-0.014	21	0.43	53.955	22	32.0	44.94	21	32.0	K0	L	C7	7726	C -3210488
22	8.8	8.7W	54 11.124	-0.0015	13	-36 18 40.17	-0.026	13	0.26	11.145	15	35.5	39.80	21	35.5	A3		C8	7298	C -36 9771
23	10.7	9.8W	54 12.042	-0.0078	09	-35 10 4.75	0.024	09	0.22	12.155	15	35.5	5.11	21	35.5	G8	L	C8	7299	C -3410057
24	10.7	10.2W	54 12.159	-0.0004	13	-36 0 23.98	0.029	13	0.26	12.166	15	35.5	24.40	21	35.5	G5	L	C8	7300	C -35 9918
25	10.3	9.5W	54 14.231	0.0052	08	-37 10 21.51	-0.042	08	0.22	14.156	15	35.5	20.90	21	35.5	G0		C8	7301	C -36 9772
26		7.2T	54 16.369	-0.0034	09	-32 37 59.62	-0.038	08	0.50	16.549	18	96.8	57.49	18	94.2	A0		GC	20105	C -3210490
27	9.9	8.0W	54 17.818	-0.0019	13	-36 55 47.04	-0.010	13	0.26	17.846	15	35.5	46.90	21	35.5	MA		C8	7302	C -36 9775
28		7.1T	54 26.815	0.0003	13	-35 11 1.03	-0.019	12	0.64	26.801	18	01.3	0.06	18	00.3	K0		GC	20108K	C*-3410063
29	10.1	8.4W	54 27.838	0.0015	13	-38 3 11.70	-0.048	13	0.26	27.816	15	35.5	11.00	21	35.5	K5		C8	7304	C -37 9816
30	11.2	10.1W	54 28.679	-0.0060	21	-33 54 16.59	-0.012	21	0.43	28.786	22	32.0	16.37	21	32.0	K2	L	C7	7728	C -3310189
31	10.9	10.1W	54 31.907	0.0018	21	-31 9 59.39	0.014	21	0.43	31.874	22	32.0	59.63	21	32.0	G0	L	C7	7729	C -3011843
32	8.7	8.7W	54 33.092	-0.0036	21	-34 13 36.45	0.029	21	0.43	33.156	22	32.0	36.97	21	32.0	A3		C7	7730	C -3310191
33		7.7T	54 37.184	-0.0026	10	-32 37 49.88	-0.016	09	0.55	37.322	17	97.1	48.99	18	94.6	A3		GC	20117	C -3210492
34		9.1Y	54 41.204	-0.0023	21	-32 37 58.36	-0.022	21	0.43	41.246	22	32.0	57.96	21	32.0	G5	L	C7	7732	C -3210494
35	8.9	9.1W	54 41.386	-0.0022	21	-32 55 17.96	-0.050	21	0.43	41.426	22	32.0	17.06	21	32.0	B9		C7	7733	C -3210493
36	9.3	8.9W	54 47.439	0.0002	21	-33 4 24.38	-0.029	21	0.43	47.436	22	32.0	23.86	21	32.0	F8		C7	7734	C -3210497
37	10.6	9.2W	54 49.877	0.0001	13	-37 11 59.96	-0.039	13	0.26	49.876	15	35.5	59.40	21	35.5	K2		C8	7305	C -36 9779
38	10.6	9.6W	54 50.072	0.0004	13	-36 4 32.30	-0.014	13	0.26	50.065	15	35.5	32.11	21	35.5	K0		C8	7306	C -35 9926
39	10.8	9.6W	54 54.814	-0.0016	21	-30 11 46.91	0.039	21	0.43	54.842	22	32.0	47.61	21	32.0	K5	L	C7	7735	C -2911427
40	10.8	10.5W	54 56.188	-0.0040	13	-36 14 53.91	-0.056	13	0.26	56.245	15	35.5	53.10	21	35.5	G0	L	C8	7307	C -35 9927
41	10.3	8.8W	54 58.496	0.0006	09	-38 35 1.81	-0.028	09	0.22	58.487	15	35.5	1.40	21	35.5	K0		C8	7309	C -38 9806
42	10.0	9.4W	54 59.803	-0.0007	21	-33 29 25.24	0.051	21	0.43	59.816	22	32.0	26.16	21	32.0	G5		C7	7736	C -3310195
43	7.6	7.9W	55 6.552	-0.0002	13	-35 51 53.18	-0.040	13	0.26	6.555	15	35.5	52.60	21	35.5	B8		C8	7310	C -35 9930
44	10.1	8.8W	55 7.336	0.0001	21	-31 34 26.54	0.039	21	0.43	7.335	22	32.0	27.25	21	32.0	K5		C7	7737	C -3111600
45	9.1	9.0W	55 9.252	-0.0018	21	-31 17 0.63	0.044	21	0.43	9.284	22	32.0	1.43	21	32.0	F0		C7	7738	C*-3011850
46	10.5	9.7W	55 10.997	-0.0032	21	-30 39 11.30	-0.020	21	0.43	11.054	22	32.0	10.93	21	32.0	G5	L	C7	7739	C -3011852
47	10.4	10.0W	55 12.356	-0.0022	21	-32 53 28.79	-0.068	21	0.43	12.396	22	32.0	27.56	21	32.0	G5	L	C7	7740	C -3210503
48	10.0	9.3W	55 14.194	-0.0002	21	-34 34 40.95	0.013	21	0.43	14.197	22	32.0	41.18	21	32.0	K0		C7	7741	C -3410076
49		7.3T	55 15.092	-0.0022	14	-37 9 45.42	-0.031	12	0.67	15.195	19	01.8	43.89	19	01.1	A0		GC	20129	C -36 9786
50	10.6	10.3W	55 16.745	-0.0055	21	-31 44 32.04	-0.039	21	0.43	16.844	22	32.0	31.35	21	32.0	F5	L	C7	7742	C -3111601
51	9.2	9.0W	14 55 21.508	-0.0032	21	-33 28 50.91	0.014	21	0.43	21.566	22	32.0	51.16	21	32.0	F0		C7	7743	C -3310199
52	10.1	9.0W	55 22.043	-0.0009	13	-36 34 26.19	-0.034	13	0.26	22.056	15	35.5	25.70	21	35.5	K0		C8	7312	C -36 9788
53	9.3	7.7W	55 23.178	-0.0013	18	-38 44 15.93	-0.002	18	0.32	23.197	15	35.5	15.90	21	35.5	K0		C8	7313	C -38 9813
54		6.3T	55 24.333	-0.0042	16	-39 42 22.86	-0.066	12	0.72	24.531	21	02.7	19.35	19	97.2	K2		GC	20133	C -39 9402
55	9.6	9.7W	55 32.641	-0.0005	13	-39 55 50.31	-0.035	13	0.26	32.648	15	35.5	49.80	21	35.5	A0		C8	7315	C -39 9403
56	10.7	9.7W	55 37.373	-0.0071	13	-36 9 51.05	0.024	13	0.26	37.476	15	35.5	51.40	21	35.5	G5		C8	7316	C -35 9934
57	10.3	10.1W	55 37.468	-0.0016	21	-34 11 12.50	0.054	21	0.43	37.497	22	32.0	13.47	21	32.0	G0	L	C7	7744	C -3310201
58		9.3R	55 38.304	0.0013	18	-30 1 48.06	-0.016	18	0.34	38.282	16	33.4	47.78	16	33.4	K0	M 13B	9427	J -2911440	
59	9.4	8.6W	55 42.196	-0.0062	13	-38 7 14.22	-0.043	13	0.26	42.286	15	35.5	13.60	21	35.5	G5		C8	7317	C -37 9831
60	10.1	10.1W	55 42.426	-0.0055	13	-37 6 53.93	-0.030	13	0.26	42.506	15	35.5	53.50	21	35.5	B9		C8	7318	C -36 9792
61	11.3	9.8W	55 48.568	-0.0060	21	-33 22 54.75	0.012	21	0.43	48.676	22	32.0	54.96	21	32.0			C7	7745	C -3310203
62	9.7	9.3W	55 50.569	-0.0087	07	-38 17 32.71	-0.063	07	0.21	50.696	15	35.5	31.81	21	35.5	G0		C8	7319	C -37 9834
63	10.0	8.7W	55 50.591	-0.0048	21	-34 37 30.35	-0.054	21	0.43	50.677	22	32.0	29.38	21	32.0	K5		C7	7746	C -3410081
64	10.3	8.6W	56 1.181	-0.0005	13	-39 48 14.53	-0.002	13	0.26	1.188	15	35.5	14.50	21	35.5	K2		C8	7320	C -39 9409
65	10.2	9.5W	56 2.213	-0.0014	21	-34 38 27.34	-0.031	21	0.43	2.237	22	32.0	26.78	21	32.0	G5		C7	7747	C -3410084
66	9.3	9.1W	56 2.944	0.0028	21	-32 20 25.20	0.019	21	0.43	2.894	22	32.0	25.55	21	32.0	F5		C7	7748	C -3210511
67		6.5T	56 3.962	-0.0017	06	-37 40 55.64	-0.028	07	0.32	4.035	12	06.2	54.41	14	06.8	B8		GC	20154	C*-37 9836
68	10.0	9.1W	56 4.902	-0.0014	21	-33 37 31.91	0.014	21	0.43	4.927	22	32.0	32.17	21	32.0	K0		C7	7749	C -3310206
69	9.9	9.5W	56 8.882	0.0082	21	-30 57 48.06	0.021	21	0.43	8.734	22	32.0	48.43	21	32.0	F5		C7	7755	C -3011864
70	9.9	8.7W	56 13.157	-0.0041	06	-35 31 30.77	-0.019	06	0.20	13.216	15	35.5	30.50	21	35.5	K0		C8	7323	C -35 9943
71	10.5	9.2W	56 19.593	-0.0007	21	-32 37 4.72	0.002	21	0.43	19.606	22	32.0	4.76	21	32.0	K0		C7	7751	C -3210514
72	11.4	10.0W	56 23.264	-0.0056	13	-35 10 32.59	-0.006	13	0.26	23.345	15	35.5	32.50	21	35.5	K2	L	C8	7324	C -3410090
73		7.0T	56 27.658	-0.0041	15	-30 30 44.81	-0.034	10	0.68	27.860	19	00.8	42.99	18	95.9	A2		GC	20162K	C*-3011870
74	10.4	9.4W	56 32.303	0.0026	10	-37 54 36.82	-0.008	10	0.23	32.266	15	35.5	36.70	21	35.5	G5		C8	7325	C -37 9839
75	9.9	9.0W	56 32.613	-0.0003	13	-39 50 32.23	-0.016	13	0.26	32.618	15	35.5	32.00	21	35.5	G5		C8	7326	C -39 9420
76	8.6	7.5W	56 34.123	-0.0002	13	-36 41 33.31	-0.008	13	0.26	34.126	15	35.5	33.20	21	35.5	K0		C8	7327	C -36 9809
77	10.4	10.2W	56 39.284	-0.0086	21	-33 42 49.05	0.040	21	0.43	39.456	22	32.0	49.77	21	32.0	G0	L	C7	7753	C -3310211
78	10.2	9.3W	56 45.527	0.0008	21	-30 13 9.06	0.086	21	0.43	45.512	22	32.0	10.61	21	32.0	K0	L	C7	7754	C -2911453
79	9.9	9.0W	56 45.917	0.0000	21	-34 11 42.90	0.037	21	0.43	45.916	22	32.0	43.57	21	32.0	A3		C7	7755	C -3310215
80	9.9	8.5W	56 47.878	-0.0003	21	-32 26 50.29	0.014	21	0.43	47.884	22	32.0	50.55	21	32.0	K5		C7	7756	C -3210521
81	10.4	9.1W	56 51.041	0.0004	21	-32 10 19.89	-0.025	21	0.43	51.034	22	32.0	19.45	21	32.0	MA		C7	7757	C -3111617
82	9.5	8.6W	56 51.759	-0.0030	21	-30 9 34.78	0.018	21	0.43	51.812	22	32.0	35.10	21	32.0	K2		C7	7758	C -2911454
83	9.2	9.2W	56 51.989	0.0007	21	-33 33 32.21	0.020	21	0.43	51.977	22	32.0	32.57	21	32.0	A0		C7	7759	C -3310217
84		7.4T	56 51.992	0.0013	15	-39 35 58.20	-0.000	12	0.75	51.926	22	99.9	58.17	19	95.4	K0		GC	20173	C -39 9423
85	7.9	6.9W	56 52.532	0.0004	13	-35 49 54.88	-0.054	13	0.26	52.526	15	35.5	54.10	21	35.5	K0		C8	7329	C -35 9952
86	10.3	10.1W	56 53.224	0.0017	21	-31 43 3.91	0.041	21	0.43	53.195	22	32.0	4.65	21	32.0	G0	L	C7	7760	C -3111618
87	8.0	7.7W	56 57.060	-0.0014	21	-32 38 6.52	0.030	21	0.43	57.086	22	32.0	7.06	21	32.0	A2		C7	7761	C -3210523
88	10.6		56 57.291	-0.0007	21	-32 12 20.54	0.000	21	0.43	57.305	22	32.0	20.55	21	32.0	F8	L	C7	7762	C -3111619
89	10.3	10.2W	56 59.427	0.0015	13	-36 52 7.92	-0.057	13	0.26	59.406	15	35.5	7.10	21	35.5	A2		C8	7330	C -36 9815
90	11.3	10.5W	56 59.607	-0.0038	21	-32 41 40.03	-0.015	21	0.43	59.676	22	32.0	39.76	21	32.0			C7	7763	C -3210524
91	10.1	9.0W	57 6.646	-0.0011	21	-32 57 2.14	0.040	21	0.43	6.666	22	32.0	2.86	21	32.0	K2		C7	7764	C -3210525
92	9.4	9.4W	57 7.402	-0.0020	21	-34 54 24.46	-0.032	21	0.43	7.437	22	32.0	23.88	21	32.0	A3		C7	7765	C -3410103
93	10.2	8.5W	57 8.960	-0.0011	10	-37 40 21.53	-0.030	10	0.23	8.976	15	35.5	21.10	21	35.5	MA		C8	7331	C -37 9849
94	9.9	9.1W	57 12.149	-0.0020	21	-31 0 26.57	-0.007	21	0.43	12.184	22	32.0	26.43	21	32.0	K0		C7	7766	C -3011877
95	10.6	10.5W	57 14.852	-0.0052	21	-32 52 6.86	-0.000	21	0.43	14.946	22	32.0	6.86	21	32.0			C7	7767	C -3210527
96	10.0	9.0W	57 24.684	-0.0015	13	-35 55 15.47	-0.012	13	0.26	24.706	15	35.5	15.30	21	35.5	K0		C8	7332	C -35 9958
97	9.8	9.1W	57 28.495	-0.0035	21	-34 51 18.17	0.012	21	0.43	28.557	22	32.0	18.38	21	32.0	K0		C7	7768	C -3410106
98	10.1	9.8W	57 39.251	-0.0059	13	-36 0 19.02	-0.036	13	0.26	39.335	15	35.5	18.50	21	35.5	F5		C8	7334	C -35 9962
99	10.4	10.1W	57 43.046	-0.0005	21	-30 46 34.89	-0.025	21	0.43	43.054	22	32.0	34.43	21	32.0	F8	L	C7	7769	C -3011884
00	9.8	9.5W	57 43.699	0.0009	10	-37 48 23.53	-0.009	10	0.23	43.686	15	35.5	23.41	21	35.5	F8		C8	7335	C -37 9860

206200 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.1	9.1W	14 57 44.787	-0.0041	13	-36 28 16.91	-0.015	13	0.26	44.846	15	35.5	16.70	21	35.5	A3		C8	7336	C -36 9827
2	8.9	9.2W	57 45.426	-0.0020	13	-35 38 3.71	-0.049	13	0.26	45.456	15	35.5	3.00	21	35.5	A0		C8	7337	C -35 9965
3	10.3	9.5W	57 47.392	-0.0042	21	-34 44 16.89	-0.006	21	0.43	47.467	22	32.0	16.78	21	32.0	K0		C7	7770	C -3410112
4	10.5	9.2W	57 51.849	0.0009	13	-35 59 32.68	-0.054	13	0.26	51.835	15	35.5	31.90	21	35.5	K0		C8	7338	C -35 9967
5	9.1	8.9W	57 53.875	-0.0062	07	-36 20 13.71	-0.035	07	0.21	53.965	15	35.5	13.20	21	35.5	F2		C8	7339	C -36 9828
6		7.5T	57 57.829	-0.0068	17	-33 38 30.74	-0.032	13	0.76	58.151	18	02.4	29.14	18	00.0	F5		GC	20187	C -3310230
7	9.4	9.1W	57 59.879	0.0002	08	-36 38 53.33	-0.016	08	0.22	59.876	15	35.5	53.10	21	35.5	G0		C8	7340	C -36 9833
8		6.0T	58 2.335	0.0010	09	-37 51 38.73	-0.038	07	0.36	2.293	12	09.1	37.04	12	05.8	K2		GC	20189	C -37 9863
9	10.5	10.3W	58 5.324	-0.0098	13	-35 57 38.65	-0.038	13	0.26	5.466	15	35.5	38.11	21	35.5	F5		C8	7342	C -35 9970
10	10.0	8.8W	58 6.548	-0.0005	09	-37 49 27.25	-0.038	09	0.22	6.556	15	35.5	26.70	21	35.5	K0		C8	7343	C -37 9864
11	10.2	9.9W	58 13.694	-0.0012	21	-33 1 7.76	-0.011	21	0.43	13.716	22	32.0	7.56	21	32.0	F5		C7	7772	C -3210538
12	10.7	9.7W	58 21.749	-0.0025	21	-31 45 12.19	0.025	21	0.43	21.795	22	32.0	12.65	21	32.0	K5		C7	7773	C -3111638
13	9.5	9.3W	58 21.931	0.0003	21	-32 30 5.31	-0.036	21	0.43	21.926	22	32.0	4.66	21	32.0	F0		C7	7774	C -3210542
14	9.9	9.6W	58 22.026	-0.0027	13	-35 12 58.83	-0.030	13	0.26	22.065	15	35.5	58.40	21	35.5	F8		C8	7344	C -3410120
15	10.0	9.1W	58 30.635	-0.0007	10	-37 54 7.40	-0.021	10	0.23	30.646	15	35.5	7.10	21	35.5	G5		C8	7345	C -37 9872
16	10.3	9.5W	58 33.101	-0.0093	09	-35 34 31.77	-0.115	09	0.22	33.235	15	35.5	30.11	21	35.5	K0		C8	7346	C -35 9975
17	10.6	9.7W	58 37.197	-0.0020	13	-35 47 40.33	0.005	13	0.26	37.226	15	35.5	40.40	21	35.5	K0		C8	7347	C -35 9976
18	7.9	8.1W	58 39.310	-0.0011	13	-36 43 55.04	-0.003	13	0.26	39.326	15	35.5	55.00	21	35.5	A3		C8	7348	C*-36 9839
19	10.9	10.0W	58 40.691	0.0009	21	-30 31 9.46	0.021	21	0.43	40.674	22	32.0	9.83	21	32.0	G2	L	C7	7775	C -3011898
20	9.7	8.7W	58 41.983	-0.0009	08	-38 7 14.36	-0.032	08	0.22	41.996	15	35.5	13.90	21	35.5	G5		C8	7349	C*-37 9876
21	9.8	9.5W	58 45.846	0.0001	21	-32 7 9.43	-0.017	21	0.43	45.844	22	32.0	9.74	21	32.0	F0		C7	7776	C -3111645
22	7.7	7.8W	58 46.128	-0.0009	21	-31 20 48.90	-0.042	21	0.43	46.144	22	32.0	48.13	21	32.0	A2		C7	7777	C -3111646
23		6.4T	58 52.183	-0.0020	12	-34 9 43.12	-0.024	12	0.65	52.286	17	97.7	41.83	17	96.3	A3		GC	20203	C*-3310244
24	10.8	9.9W	58 52.343	-0.0028	21	-32 8 2.70	-0.053	21	0.43	52.395	22	32.0	1.75	21	32.0	G5	L	C7	7779	C -3111649
25	9.2	9.0W	58 56.741	-0.0035	21	-32 18 57.27	-0.029	21	0.43	56.804	22	32.0	56.75	21	32.0	G0		C7	7780	C -3210549
26	10.8	10.3W	58 59.860	-0.0046	18	-38 50 10.22	-0.029	18	0.32	59.927	15	35.5	9.80	21	35.5	G2	L	C8	7352	C -38 9880
27	10.4	10.2W	59 0.860	-0.0041	21	-32 7 25.87	0.026	21	0.43	0.935	22	32.0	26.35	21	32.0	B9	L	C7	7781	C -3111651
28	9.8	8.7W	59 2.105	-0.0002	13	-39 43 9.90	-0.021	13	0.26	2.108	15	35.5	9.60	21	35.5	K0		C8	7353	C -39 9465
29	10.9	9.9W	59 10.065	-0.0048	13	-35 58 0.60	0.000	13	0.26	10.135	15	35.5	0.60	21	35.5	K0	L	C8	7354	C -35 9982
30	9.3	8.1W	59 11.784	-0.0028	21	-31 23 42.29	-0.015	21	0.43	11.834	22	32.0	42.03	21	32.0	K2		C7	7782	C -3111654
31	10.3	9.3W	59 15.131	-0.0036	21	-32 47 19.20	-0.041	21	0.43	15.196	22	32.0	18.46	21	32.0	G5		C7	7783	C -3210551
32	8.7	8.7W	59 31.556	0.0005	21	-33 38 17.17	-0.011	21	0.43	31.546	22	32.0	16.97	21	32.0	A5		C7	7784	C -3310253
33	9.9	9.9W	59 35.509	0.0002	13	-36 7 11.52	-0.043	13	0.26	35.505	15	35.5	10.90	21	35.5	A0		C8	7355	C -35 9985
34	10.6	9.8W	59 39.408	0.0007	21	-32 58 55.86	-0.022	21	0.43	39.396	22	32.0	55.46	21	32.0	K2	L	C7	7785	C -3210555
35	10.9	9.5W	59 45.780	-0.0038	13	-36 23 26.73	-0.016	13	0.26	45.836	15	35.5	26.50	21	35.5	K5		C8	7356	C -36 9856
36	9.3	9.1W	59 47.795	-0.0050	13	-39 42 57.87	-0.053	13	0.26	47.868	15	35.5	57.10	21	35.5	F5		C8	7357	C -39 9478
37	10.1	9.6W	59 48.857	-0.0010	21	-30 37 27.16	-0.051	21	0.43	48.874	22	32.0	26.23	21	32.0	F5	L	C7	7786	C -3011915
38	10.2	9.3W	59 48.860	-0.0066	13	-37 37 41.71	-0.008	13	0.26	48.956	15	35.5	41.60	21	35.5	G5		C8	7358	C -37 9888
39		5.5T	59 55.205	-0.0017	06	-32 26 50.98	-0.030	05	0.28	55.281	12	05.0	49.43	12	98.2	B3		GC	20225	C*-3210560
40	9.4	9.0W	59 58.138	-0.0026	10	-37 54 47.98	-0.026	10	0.23	58.176	15	35.5	47.60	21	35.5	F8		C8	7360	C -37 9890
41	10.9	9.9W	15 0 1.776	-0.0040	21	-34 46 50.48	0.050	21	0.43	1.847	22	32.0	51.38	21	32.0	K0	L	C7	7788	C -3410138
42	9.8	10.0W	0 7.134	-0.0080	21	-34 37 0.56	0.018	21	0.43	7.277	22	32.0	0.88	21	32.0	A2		C7	7789	C -3410139
43	8.3	7.8W	0 8.724	-0.0015	06	-36 43 25.78	-0.399	06	0.20	8.746	15	35.5	20.00	21	35.5	G0		C8	7362	C -36 9862
44		8.9T	0 14.033	-0.0023	13	-34 30 57.71	-0.024	13	0.53	14.122	15	11.0	56.76	15	10.8	B9		GC	20232	C -3410141
45	9.6	8.8W	0 14.605	-0.0024	21	-34 41 23.38	0.028	21	0.43	14.647	22	32.0	23.88	21	32.0	K0		C7	7791	C -3410142
46	9.6	9.2W	0 14.810	-0.0074	08	-38 32 28.19	-0.041	08	0.22	14.917	15	35.5	27.60	21	35.5	G0		C8	7363	C -38 9894
47		6.8T	0 26.462	-0.0008	12	-35 44 51.81	0.009	09	0.58	26.504	15	99.4	52.28	17	95.2	A5		GC	20238	C*-35 9996
48	8.2	8.0W	0 29.331	-0.0013	21	-31 10 30.13	-0.005	21	0.43	29.354	22	32.0	50.03	21	32.0	F0		C7	7792	C -3011924
49	10.6	10.5W	0 29.914	-0.0064	18	-39 8 23.01	-0.049	18	0.32	30.007	15	35.5	22.30	21	35.5	A0		C8	7366	C -38 9900
50	9.8	9.4W	0 31.113	-0.0022	09	-36 26 47.49	0.014	09	0.22	31.146	15	35.5	47.70	21	35.5	F8		C8	7367	C -36 9863
51	9.8	9.4W	15 0 35.951	-0.0010	08	-35 9 45.27	-0.067	08	0.22	35.965	15	35.5	44.30	21	35.5	G5		C8	7368	C -3410144
52	10.0	9.8W	0 36.788	-0.0010	21	-32 37 56.92	-0.009	21	0.43	36.806	22	32.0	56.76	21	32.0	F5		C7	7793	C -3210566
53	8.8	8.6W	0 37.333	-0.0009	23	-38 7 25.48	-0.019	23	0.38	37.346	15	35.5	25.21	21	35.5	F2		C8	7369	C -37 9898
54		9.9W	0 42.443	0.0016	21	-30 43 29.97	-0.007	21	0.43	42.414	22	32.0	29.83	21	32.0			C7	7794	C -3011925
55	9.9	9.1W	0 45.215	-0.0021	09	-38 4 4.07	-0.012	09	0.22	45.246	15	35.5	3.90	21	35.5	K0		C8	7370	C -37 9900
56	8.5	7.6W	0 46.375	0.0040	21	-30 16 42.96	0.008	21	0.43	46.302	22	32.0	43.10	21	32.0	K0		C7	7795	C -2911500
57	10.4	10.0W	0 47.158	-0.0044	21	-34 43 36.42	-0.030	21	0.43	47.237	22	32.0	35.88	21	32.0	F8	L	C7	7796	C -3410146
58	8.6	8.6W	1 7.319	-0.0036	21	-31 44 30.36	-0.001	21	0.43	7.385	22	32.0	30.35	21	32.0	A5		C7	7797	C -3111679
59	10.3	9.1W	1 12.796	-0.0001	13	-39 45 15.83	-0.016	13	0.26	12.798	15	35.5	15.61	21	35.5	K0		C8	7372	C -39 9505
60	10.3	9.9W	1 14.234	-0.0028	23	-36 28 21.90	-0.007	23	0.38	14.276	15	35.5	21.80	21	35.5	G0		C8	7373	C -36 9868
61		7.9T	1 17.509	-0.0026	18	-36 5 24.73	-0.014	14	0.79	17.630	19	04.0	24.02	18	01.1	A3		GC	20256	C -3510007
62	10.6	10.4W	1 19.120	-0.0149	23	-36 39 7.61	-0.125	23	0.38	19.336	15	35.5	5.80	21	35.5	F2		C8	7375	C -36 9869
63	10.2	9.5W	1 30.135	-0.0068	21	-34 58 59.55	0.013	21	0.43	30.257	22	32.0	59.78	21	32.0	G5		C7	7798	C -3410153
64	9.6	8.3W	1 37.151	-0.0010	08	-37 18 47.81	-0.035	08	0.22	37.166	15	35.5	47.30	21	35.5	K0		C8	7376	C -37 9916
65	10.3	8.7W	1 37.228	-0.0010	21	-33 25 4.14	0.007	21	0.43	37.246	22	32.0	4.26	21	32.0	MA		C7	7799	C -3310274
66	9.4	9.0W	1 38.271	-0.0040	21	-30 19 38.85	-0.002	21	0.43	38.342	22	32.0	38.81	21	32.0	F5		C7	7800	C -3011938
67	8.9	8.7W	1 41.089	-0.0019	09	-35 43 56.18	-0.026	09	0.22	41.115	15	35.5	55.80	21	35.5	F0		C8	7377	C -3510015
68	10.0	10.0W	1 45.715	-0.0028	10	-38 22 2.22	-0.029	10	0.23	45.756	15	35.5	1.80	21	35.5	A3		C8	7379	C -38 9922
69	9.6	9.4W	1 45.739	0.0002	13	-35 45 35.43	-0.037	13	0.26	45.735	15	35.5	34.90	21	35.5	F0		C8	7378	C -3510017
70	10.7	10.0W	1 46.203	-0.0001	21	-30 38 14.86	0.032	21	0.43	46.204	22	32.0	15.43	21	32.0	G2	L	C7	7801	C -3011941
71	9.6	9.4W	1 46.693	0.0012	09	-36 43 26.26	-0.039	09	0.22	46.676	15	35.5	25.70	21	35.5	F5		C8	7380	C -36 9875
72	8.1	8.2W	1 47.731	-0.0024	08	-37 29 41.37	-0.026	08	0.22	47.766	15	35.5	41.00	21	35.5	A2		C8	7382	C -37 9920
73	8.8	7.1W	1 48.581	-0.0039	06	-39 47 28.29	-0.013	06	0.20	48.638	15	35.5	28.10	21	35.5	K2		C8	7383	C -39 9513
74	10.1	8.7W	1 49.723	-0.0001	21	-31 5 5.75	-0.045	21	0.43	49.724	22	32.0	4.93	21	32.0	K5		C7	7802	C -3011943
75	10.3	9.8W	1 54.364	-0.0134	21	-32 39 5.59	-0.174	21	0.43	54.606	22	32.0	2.46	21	32.0	G5		C7	7803	C -3210583
76	8.6	8.8W	1 58.988	-0.0033	18	-37 11 35.61	-0.028	18	0.32	59.036	15	35.5	35.20	21	35.5	A2		C8	7385	C -36 9878
77	10.1	9.3W	1 59.437	-0.0034	23	-37 2 40.88	-0.047	23	0.38	59.486	15	35.5	40.20	21	35.5	G5		C8	7386	C -36 9879
78	10.2	9.7W	2 2.738	-0.0070	21	-32 4 40.63	0.006	21	0.43	2.865	22	32.0	40.75	21	32.0	G0		C7	7804	C -3111696
79	10.0	8.6W	2 4.433	-0.0017	09	-39 49 10.40	-0.007	09	0.22	4.458	15	35.5	10.30	21	35.5	K2		C8	7387	C -39 9520
80	10.6	9.5W	2 17.635	-0.0021	13	-35 11 29.05	0.010	13	0.26	17.665	15	35.5	29.20	21	35.5	K0		C8	7388	C -3410161
81	9.6	9.3W	2 21.392	-0.0016	08	-38 22 29.60	-0.055	08	0.22	21.416	15	35.5	28.80	21	35.5	F0		C8	7389	C -38 9932
82	10.0	8.7W	2 29.049	-0.0021	21	-34 20 47.92	0.008	21	0.43	29.087	22	32.0	48.07	21	32.0	K5		C7	7805	C -3410162
83	10.5	10.1W	2 31.571	-0.0017	23	-36 31 18.63	-0.009	23	0.38	31.596	15	35.5	18.51	21	35.5	F2		C8	7390	C -36 9890
84		6.6T	2 31.783	0.0005	13	-30 21 30.85	-0.092	10	0.63	31.759	19	99.3	35.82	18	95.5	F5		GC	20286	C*-3011949
85	9.6	9.7W	2 32.268	-0.0033	09	-36 43 17.71	-0.028	09	0.22	32.316	15	35.5	17.30	21	35.5	A0		C8	7391	C -36 9889
86	10.2	8.9W	2 33.294	-0.0035	21	-34 12 12.65	0.001	21	0.43	33.357	22	32.0	12.67	21	32.0	K2		C7	7807	C -3310285
87	10.5	9.5W	2 33.909	-0.0003	21	-31 42 2.55	0.005	21	0.43	33.915	22	32.0	2.65	21	32.0	K0		C7	7808	C -3111705
88	10.2	8.6W	2 52.668	-0.0012	13	-35 54 3.56	-0.011	13	0.26	52.686	15	35.5	3.40	21	35.5	K5		C8	7393	C -3510030
89	10.0	9.4W	2 58.701	-0.0024	18	-37 38 27.95	-0.052	18	0.32	58.736	15	35.5	27.20	21	35.5	G0		C8	7394	C -37 9936
90	10.9	9.7W	3 0.393	0.0009	21	-33 46 53.44	-0.065	21	0.43	0.376	22	32.0	52.27	21	32.0	K5	L	C7	7809	C -3310294
91	8.4	8.4W	3 3.664	-0.0015	06	-37 5 48.01	-0.001	06	0.20	3.686	15	35.5	48.01	21	35.5	A2		C8	7395	C -36 9896
92		6.4T	3 4.986	-0.0014	12	-36 4 17.20	0.005	09	0.58	5.058	18	99.6	17.45	17	96.2	K5		GC	20294	C -3510035
93	9.2	7.9W	3 9.146	-0.0009	21	-30 13 32.74	0.043	21	0.43	9.162	22	32.0	33.51	21	32.0	K2		C7	7810	C -2911529
94	8.9	8.8W	3 10.043	-0.0050	13	-35 12 47.58	-0.040	13	0.26	10.115	15	35.5	47.00	21	35.5	A5		C8	7397	C -3410172
95	10.6	9.2W	3 12.502	-0.0020	21	-34 43 34.08	0.011	21	0.43	12.537	22	32.0	34.28	21	32.0	K5		C7	7811	C -3410173
96	10.2	9.1W	3 16.641	0.0026	21	-31 52 10.25	0.005	21	0.43	16.595	22	32.0	10.35	21	32.0	K2		C7	7812	C -3111714
97	10.7	10.2W	3 20.851	0.0048	21	-30 54 41.70	-0.049	21	0.43	20.764	22	32.0	40.83	21	32.0	F2	L	C7	7813	C -3011959
98	10.7	10.4W	3 22.032	0.0004	18	-38 11 43.04	-0.010	18	0.32	22.026	15	35.5	42.90	21	35.5	F2		C8	7398	C -37 9941
99	9.5	8.8W	3 28.376	0.0040	21	-32 25 26.39	-0.025	21	0.43	28.305	22	32.0	25.94	21	32.0	K0		C7	7814	C -3210593
00		6.0T	3 30.749	-0.0012	16	-30 43 32.61	-0.041	12	0.73	30.808	19	01.1	30.44	18	96.7	A0P		GC	20303	C -3011960

206300 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -30° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.8	9.9W	15 3 40.625	-0.0023	21	-34 53 25.93	-0.003	21	0.44	40.667	22	31.5	25.98	21	31.5	A0		C7	7816	C -3410176
2		8.4T	3 43.363	0.0005	12	-32 15 31.51	-0.008	08	0.54	43.339	21	01.7	31.08	19	96.0	K9		GC	20307	C -3111717
3	9.8	9.1W	3 51.645	-0.0118	06	-36 6 8.09	-0.110	06	0.20	51.816	15	35.5	6.50	21	35.5	G5		C8	7401	C -3510044
4	9.8	9.3W	3 51.733	-0.0065	13	-39 18 41.75	-0.045	13	0.26	51.827	15	35.5	41.10	21	35.5	G0		C8	7402	C -39 9552
5	10.8	10.0W	3 53.861	-0.0029	21	-30 50 18.25	-0.006	21	0.44	53.914	22	31.5	18.13	21	31.5	G2	L	C7	7818	C -3011965
6		7.2T	3 54.865	0.0020	12	-37 45 12.15	-0.019	11	0.63	54.762	18	99.3	11.08	19	94.4	A2		GC	20313	C -37 9948
7	8.9	9.1W	3 55.425	-0.0043	21	-31 27 7.02	-0.017	21	0.44	55.504	22	31.5	7.33	21	31.5	B9		C7	7819	C -3111719
8	9.7	10.0W	3 56.273	-0.0015	18	-35 50 42.13	-0.002	18	0.32	56.295	15	35.5	42.10	21	35.5	A0		C8	7404	C -3510045
9	10.4	10.0W	3 57.026	-0.0031	21	-33 17 45.38	-0.044	21	0.44	57.086	22	31.5	44.56	21	31.5	G0		C7	7820	C -3310307
10	9.6	9.2W	3 59.652	-0.0037	13	-35 26 17.62	-0.029	13	0.26	59.705	15	35.5	17.20	21	35.5	A5		C8	7405	C -3510046
11		9.9W	4 0.978	-0.0025	21	-31 35 15.71	0.002	21	0.44	1.024	22	31.5	15.75	21	31.5			C7	7821	C -3111721
12	10.8	9.5W	4 2.205	0.0001	21	-30 17 25.25	-0.029	21	0.44	2.202	22	31.5	24.71	21	31.5	K2	L	C7	7822	C -2911534
13	10.5	9.0W	4 4.989	-0.0004	21	-33 47 12.27	0.016	21	0.44	4.997	22	31.5	12.57	21	31.5	K5		C7	7823	C -3310309
14	10.5	8.8W	4 5.360	-0.0067	13	-38 50 12.12	-0.043	13	0.26	5.477	15	35.5	11.50	21	35.5	K5		C8	7406	C -38 9960
15		7.3T	4 8.658	-0.0015	09	-32 43 5.24	-0.013	08	0.52	8.739	18	95.2	4.46	18	90.3	A0		GC	20321	C -3210600
16	10.2	9.7W	4 11.346	-0.0027	21	-33 10 10.50	-0.024	21	0.44	11.396	22	31.5	10.06	21	31.5	G0		C7	7825	C -3210601
17	10.6	9.6W	4 33.632	-0.0002	13	-35 34 58.77	0.002	13	0.26	33.635	15	35.5	58.80	21	35.5	G5		C8	7407	C -3510054
18	10.6	9.7W	4 37.919	0.0019	21	-32 4 13.31	0.023	21	0.44	37.885	22	31.5	13.75	21	31.5	K5		C7	7826	C -3111727
19	10.0	9.4W	4 41.982	-0.0018	21	-32 58 43.53	-0.009	21	0.44	42.016	22	31.5	43.36	21	31.5	G0		C7	7827	C -3210605
20	10.0	10.0W	4 42.278	-0.0065	21	-34 42 0.16	0.012	21	0.44	42.397	22	31.5	0.38	21	31.5	A0		C7	7828	C -3410186
21	9.5	8.4W	4 55.972	-0.0002	13	-36 21 43.53	-0.009	13	0.26	55.975	15	35.5	43.40	21	35.5	K0		C8	7408	C -36 9923
22	9.3	9.0W	4 56.292	-0.0013	21	-33 0 39.45	-0.086	21	0.44	56.316	22	31.5	37.86	21	31.5	G0		C7	7829	C -3210609
23	10.8	10.3W	5 8.596	-0.0058	21	-32 11 14.26	-0.044	21	0.44	8.704	22	31.5	13.45	21	31.5	G2	L	C7	7830	C -3111735
24	10.1	8.5W	5 14.750	0.0016	18	-38 55 12.29	-0.027	18	0.32	14.727	15	35.5	11.90	21	35.5	K5		C8	7411	C -38 9982
25	10.5	9.6W	5 15.177	-0.0031	21	-31 39 7.72	0.023	21	0.44	15.235	22	31.5	8.15	21	31.5	K0		C7	7831	C -3111737
26	10.4	9.9W	5 15.798	-0.0025	21	-31 16 22.91	-0.020	21	0.44	15.844	22	31.5	22.53	21	31.5	F5	L	C7	7832	C -3011981
27		9.5W	5 18.230	-0.0025	21	-35 2 46.42	-0.015	21	0.44	18.275	22	31.5	46.70	21	31.5	K2		C7	7833	C -3410194
28	10.0	9.1W	5 19.317	0.0027	13	-39 35 6.14	-0.044	13	0.26	19.278	15	35.5	5.50	21	35.5	K0		C8	7413	C -39 9577
29	10.3	8.9W	5 28.765	-0.0007	13	-38 3 37.93	-0.009	13	0.26	28.776	15	35.5	37.80	21	35.5	K5		C8	7415	C -37 9967
30		7.7T	5 30.549	-0.0003	13	-37 23 53.84	-0.029	10	0.62	30.563	17	01.6	52.30	19	97.5	M0		GC	20358	C -37 9969
31	9.2	9.1W	5 30.976	-0.0043	21	-33 5 52.29	-0.061	21	0.44	31.056	22	31.5	51.16	21	31.5	F5		C7	7834	C -3210616
32	9.2	8.9W	5 35.186	-0.0033	21	-33 45 30.78	-0.017	21	0.44	35.247	22	31.5	30.47	21	31.5	F8		C7	7835	C -3310332
33	10.2	9.8W	5 38.266	-0.0027	21	-32 34 19.80	0.041	21	0.44	38.316	22	31.5	20.56	21	31.5	F8		C7	7836	C -3210618
34	10.3	9.1W	5 44.673	-0.0051	10	-38 42 28.54	-0.010	10	0.23	44.747	15	35.5	28.40	21	35.5	K0		C8	7417	C -38 9994
35		7.0T	5 50.039	-0.0024	13	-38 20 36.72	-0.028	12	0.69	50.157	22	00.4	35.22	21	97.0	A5		GC	20363	C# -38 9996
36		7.0T	5 50.174	-0.0017	15	-36 14 30.54	0.013	11	0.69	50.258	19	01.4	31.20	19	97.6	K0		GC	20364	C -3510067
37	10.4	9.5W	5 50.244	-0.0011	21	-31 22 12.77	0.009	21	0.44	50.264	22	31.5	12.93	21	31.5	K0		C7	7837	C -3111742
38	10.5	9.6W	5 52.699	-0.0002	21	-30 8 8.15	-0.002	21	0.44	52.702	22	31.5	8.11	21	31.5	K0	L	C7	7838	C -2911554
39	9.4	9.3W	5 58.595	-0.0042	13	-36 56 0.34	-0.037	13	0.26	58.656	15	35.5	59.80	21	35.5	F0		C8	7420	C -36 9937
40		9.7T	6 1.400	-0.0014	21	-35 1 14.72	0.036	21	0.44	1.425	22	31.5	15.40	21	31.5	K0		C7	7840	C -3410201
41	8.5	8.6W	6 3.599	-0.0013	21	-30 29 23.28	0.045	21	0.44	3.622	22	31.5	24.11	21	31.5	A0		C7	7841	C -3011988
42	9.9	8.2W	6 9.672	-0.0018	21	-32 38 44.08	-0.044	21	0.44	9.706	22	31.5	43.26	21	31.5	M4		C7	7842	C -3210624
43	9.7	9.2W	6 23.119	-0.0057	21	-32 18 4.30	-0.030	21	0.44	23.224	22	31.5	3.75	21	31.5	G0		C7	7843	C -3210628
44	10.8	9.6W	6 30.991	-0.0045	13	-36 33 34.57	0.009	13	0.26	31.056	15	35.5	34.70	21	35.5	K5		C8	7423	C -36 9944
45		7.0T	6 32.112	-0.0020	14	-35 40 34.44	-0.000	14	0.56	32.190	15	11.6	34.42	17	12.5	K0		GC	20374	C -3510076
46	8.6	8.6W	6 37.714	0.0004	21	-33 37 30.36	-0.059	21	0.44	37.706	22	31.5	29.27	21	31.5	A3		C7	7844	C -3310350
47		8.7T	6 41.864	0.0015	13	-31 57 33.64	-0.054	08	0.57	41.793	19	02.7	30.82	18	97.6	F5		GC	20378	C -3111748
48	11.4		6 41.954	0.0192	30	-37 7 16.80	-0.087	30	0.47	41.676	15	35.5	15.40	21	35.5	G0	L	C8	7425	C -36 9947
49	9.9	9.0W	6 42.083	-0.0029	21	-34 11 36.38	-0.060	21	0.44	42.136	22	31.5	35.27	21	31.5	K0		C7	7846	C -3310351
50	9.9	9.5W	6 45.466	0.0012	21	-31 31 20.78	-0.121	21	0.44	45.444	22	31.5	18.55	21	31.5	F8		C7	7847	C -3111750
51	9.6	9.4W	15 6 49.217	-0.0054	21	-33 59 10.36	0.022	21	0.44	49.317	22	31.5	10.77	21	31.5	A5		C7	7848	C -3310352
52		6.0T	6 54.485	-0.0006	13	-38 36 9.93	-0.026	12	0.66	54.514	19	00.8	8.56	18	98.3	G5		GC	20382	C -3810020
53	8.9	8.7W	7 0.033	-0.0071	06	-36 22 3.81	-0.049	06	0.20	0.135	15	35.5	3.11	21	35.5	F0		C8	7427	C -36 9955
54	10.7	10.2W	7 2.715	-0.0023	21	-34 57 57.50	-0.039	21	0.44	2.757	22	31.5	56.78	21	31.5	F5	L	C7	7849	C -3410214
55	8.2	8.5W	7 3.219	0.0002	14	-37 17 5.48	-0.019	14	0.27	3.216	15	35.5	5.21	21	35.5	A2		C8	7428	C -37 9990
56	10.2	9.8W	7 6.775	0.0026	21	-34 7 50.76	0.022	21	0.44	6.727	22	31.5	51.17	21	31.5	K0		C7	7850	C -3310359
57	9.7	9.3W	7 13.328	0.0002	21	-31 8 13.57	-0.034	21	0.44	13.324	22	31.5	12.93	21	31.5	F8		C7	7851	C -3012000
58	10.3	10.2W	7 14.637	-0.0026	21	-31 26 48.59	-0.019	21	0.44	14.684	22	31.5	48.23	21	31.5	F2		C7	7852	C -3111756
59	10.1	9.4W	7 15.598	-0.0012	13	-35 29 20.91	-0.001	13	0.26	15.615	15	35.5	20.91	21	35.5	G5		C8	7430	C -3510083
60	10.2	9.9W	7 20.044	-0.0022	21	-31 28 17.39	0.002	21	0.44	20.084	22	31.5	17.43	21	31.5	G0		C7	7853	C -3111758
61	9.3	9.0W	7 22.532	-0.0037	14	-37 49 25.68	-0.061	14	0.27	22.586	15	35.5	24.80	21	35.5	G0		C8	7431	C -37 9993
62		10.2W	7 25.222	-0.0034	21	-31 20 46.62	-0.053	21	0.44	25.284	22	31.5	45.63	21	31.5			C7	7854	C -3111759
63	9.2	9.0W	7 33.858	-0.0043	21	-34 51 47.24	-0.025	21	0.44	33.937	22	31.5	46.78	21	31.5	F5		C7	7855	C -3410220
64	9.5	8.0W	7 34.612	-0.0003	13	-38 33 5.41	-0.028	13	0.26	34.617	15	35.5	5.00	21	35.5	K2		C8	7432	C -3810025
65	9.6	9.3W	7 37.091	-0.0010	18	-38 10 12.28	-0.040	18	0.32	37.106	15	35.5	11.70	21	35.5	F2		C8	7433	C -3710000
66	9.5	9.3W	7 37.335	-0.0021	13	-37 56 26.96	0.037	13	0.26	37.366	15	35.5	27.50	21	35.5	F0		C8	7434	C -37 9999
67	10.1	9.1W	7 46.315	-0.0007	13	-35 37 28.59	-0.041	13	0.26	46.325	15	35.5	28.00	21	35.5	K0		C8	7435	C -3510091
68	9.8	8.6W	7 47.865	0.0033	21	-32 29 50.96	-0.039	21	0.44	47.804	22	31.5	50.25	21	31.5	K0		C7	7856	C -3210646
69	10.9	9.3W	7 52.030	-0.0007	21	-30 12 49.97	0.024	21	0.44	52.042	22	31.5	50.41	21	31.5	K2	L	C7	7857	C -2911571
70	9.2	9.6W	7 54.194	0.0004	13	-39 40 31.88	0.022	13	0.26	54.188	15	35.5	32.20	21	35.5	B8		C8	7436	C -39 9619
71	10.7		8 0.616	-0.0021	21	-30 57 5.70	-0.010	21	0.44	0.654	22	31.5	5.53	21	31.5	B9	L	C7	7858	C -3012011
72	10.0	9.4W	8 2.822	-0.0031	13	-39 19 9.70	-0.021	13	0.26	2.867	15	35.5	9.40	21	35.5	G5		C8	7437	C -39 9624
73	9.7	9.3W	8 14.491	-0.0065	13	-37 51 49.58	-0.164	13	0.26	14.586	15	35.5	47.20	21	35.5	G0		C8	7438	C -3710011
74	9.8	9.4W	8 16.575	-0.0035	18	-37 19 0.26	-0.011	18	0.32	16.626	15	35.5	0.11	21	35.5	F5		C8	7440	C -3710012
75	9.4	9.3W	8 17.021	-0.0059	13	-36 3 36.08	-0.054	13	0.26	17.106	15	35.5	37.30	21	35.5	A3		C8	7441	C -3510101
76	10.4	10.2W	8 20.135	-0.0087	21	-33 14 57.89	-0.034	21	0.44	20.296	22	31.5	57.26	21	31.5	F5		C7	7859	C -3210652
77	10.5	9.8W	8 20.715	-0.0016	21	-31 28 54.35	-0.006	21	0.44	20.744	22	31.5	54.23	21	31.5	K0		C7	7860	C -3111771
78	10.6	9.8W	8 24.141	-0.0019	21	-32 35 28.25	0.022	21	0.44	24.176	22	31.5	28.66	21	31.5	K0	L	C7	7861	C -3210653
79	10.2	10.0W	8 27.877	0.0032	21	-34 39 15.90	-0.017	21	0.44	27.817	22	31.5	15.58	21	31.5	A5		C7	7862	C -3410231
80		9.7T	8 27.954	0.0006	13	-31 56 9.16	-0.076	12	0.69	27.924	26	99.6	5.39	24	00.4	K0		GC	20410K	C -3111773
81		9.2T	8 28.439	-0.0012	12	-31 56 35.57	-0.008	12	0.61	28.495	21	02.9	35.19	19	03.1	K0		GC	20412K	C -3111774
82	10.2	8.6W	8 32.834	-0.0015	13	-37 5 3.09	-0.041	13	0.26	32.856	15	35.5	2.50	21	35.5	K2		C8	7442	C -36 9968
83	9.7	9.0W	8 33.709	-0.0026	18	-39 10 55.26	-0.018	18	0.32	33.747	15	35.5	55.00	21	35.5	K0		C8	7443	C -3810042
84	9.9	9.7W	8 35.650	-0.0066	08	-35 11 18.01	-0.008	08	0.22	35.745	15	35.5	17.90	21	35.5	A2		C8	7444	C -3410233
85		7.3T	8 39.311	0.0045	11	-33 27 2.89	-0.018	09	0.57	39.076	18	98.0	1.90	17	95.0	G5		GC	20417	C# -3310368
86	9.7	7.9W	8 40.806	-0.0041	13	-35 17 46.62	-0.029	13	0.26	40.865	15	35.5	46.20	21	35.5	K5		C8	7445	C -3510106
87	8.1	8.9W	8 43.094	-0.0029	21	-34 34 31.40	-0.017	21	0.44	43.147	22	31.5	31.08	21	31.5	B8		C7	7866	C -3410235
88	10.0	9.4W	8 46.009	-0.0014	21	-31 16 0.38	-0.024	21	0.44	46.034	22	31.5	59.93	21	31.5	G5		C7	7867	C -3012021
89	9.8	9.3W	8 47.207	0.0015	13	-35 13 31.70	0.007	13	0.26	47.185	15	35.5	31.80	21	35.5	G0		C8	7446	C -3410237
90	9.8	9.4W	8 47.483	-0.0009	10	-38 12 32.96	-0.018	10	0.23	47.496	15	35.5	32.71	21	35.5	F5		C8	7447	C -3710020
91	7.9	7.9W	8 50.808	-0.0004	21	-32 38 39.46	-0.016	21	0.44	50.816	22	31.5	39.16	21	31.5	A		C7	7868	C -3210658
92	7.9	7.9W	8 51.057	-0.0005	21	-32 38 29.64	-0.053	21	0.44	51.066	22	31.5	28.66	21	31.5	A		C7	7869	C -3210658
93	10.6	10.0W	8 52.886	-0.0080	21	-32 5 56.77	-0.039	21	0.44	53.035	22	31.5	56.05	21	31.5	G0	L	C7	7870	C -3111777
94	10.7	9.0W	8 55.497	-0.0040	13	-35 29 41.58	-0.047	13	0.26	55.555	15	35.5	40.91	21	35.5	K5		C8	7448	C -3510109
95	10.1	9.4W	8 56.152	-0.0023	13	-38 5 3.84	-0.003	13	0.26	56.186	15	35.5	3.81	21	35.5	G5		C8	7449	C -3710025
96	10.3	9.2W	8 56.568	-0.0040	13	-35 43 23.70	0.000	13	0.26	56.625	15	35.5	23.70	21	35.5	K0		C8	7450	C -3510111
97	10.5	9.5W	8 56.886	0.0028	23	-36 54 12.99	-0.006	23	0.38	56.846	15	35.5	12.90	21	35.5	K0		C8	7451	C -36 9972
98	9.4	8.4W	8 57.392	-0.0010	13	-38 58 40.21	-0.042	13	0.26	57.407	15	35.5	39.61	21	35.5	K0		C8	7452	C -3810049
99	9.4	9.1W	9 4.151	-0.0010	18	-37 8 50.91	-0.035	16	0.32	4.166	15	35.5	50.40	21	35.5	F5		C8	7453	C -36 9973
00	8.2	7.8W	9 6.740	0.0073	21	-30 41 50.95	-0.114	21	0.44	6.604	22	31.5	48.83	21	31.5	G5		C7	7871	C -3012025

206400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 15H DM NUMBER
1	10.1	9.6W	15 9 6.778	-0.0055	13	-39 47 48.74	-0.051	13	0.26	6.858	15	35.5	48.00	21	35.5	G5		C8	7455	C -39 9636
2	11.2	10.5W	9 7.337	-0.0068	23	-36 46 3.97	-0.005	23	0.38	7.436	15	35.5	3.90	21	35.5	G5	L	C8	7456	C -36 9976
3	10.0	9.7W	9 7.589	-0.0032	13	-37 19 41.15	0.038	13	0.26	7.636	15	35.5	41.70	21	35.5	F8		C8	7457	C -3710027
4	10.3	10.0W	9 7.885	-0.0076	21	-33 16 26.01	0.064	21	0.44	8.026	22	31.5	27.56	21	31.5	F8		C7	7872	C -3210663
5	10.9	9.9W	9 9.593	-0.0040	21	-34 10 50.33	0.002	21	0.44	9.667	22	31.5	50.37	21	31.5	K0		C7	7873	C -3310374
6	7.5	7.7W	9 11.295	-0.0023	21	-34 46 48.39	-0.033	21	0.44	11.337	22	31.5	47.78	21	31.5	A0		C7	7874	C -3410242
7	8.8	8.3W	9 20.354	-0.0064	13	-35 43 50.86	-0.032	13	0.26	20.446	15	35.5	50.40	21	35.5	G5		C8	7458	C -3510115
8		10.0W	9 23.586	-0.0010	21	-30 57 24.98	0.019	21	0.44	23.604	22	31.5	25.33	21	31.5	K2		C7	7875	C -3012028
9	10.0	9.0W	9 26.218	-0.0009	21	-30 38 21.04	-0.000	21	0.44	26.234	22	31.5	21.03	21	31.5			C7	7876	C -3012030
10	10.6	9.7W	9 26.272	-0.0056	21	-33 24 36.50	-0.040	21	0.44	26.376	22	31.5	35.76	21	31.5	K5		C7	7877	C -3310381
11	9.7	9.3W	9 26.529	0.0013	21	-30 35 44.76	0.015	21	0.44	26.504	22	31.5	45.03	21	31.5			C7	7878	C -3012031
12		7.6T	9 34.559	-0.0011	11	-37 20 7.84	-0.003	12	0.65	34.616	21	96.9	7.66	21	94.8	M0		GC	20438	C -3710032
13	10.3	10.2W	9 43.498	-0.0040	13	-36 45 54.41	-0.056	13	0.26	43.556	15	35.5	53.60	21	35.5	A0		C8	7461	C -36 9982
14	9.9	9.9W	9 44.358	-0.0059	21	-34 40 39.12	-0.029	21	0.44	44.467	22	31.5	38.58	21	31.5	A0		C7	7879	C -3410246
15	9.5	9.1W	9 44.875	0.0040	09	-38 31 58.27	-0.067	09	0.22	44.817	15	35.5	57.31	21	35.5	F8		C8	7462	C -3810062
16	9.1	8.9W	9 46.769	-0.0040	13	-38 39 28.25	-0.045	13	0.26	46.827	15	35.5	27.60	21	35.5	F2		C8	7463	C -3810063
17	9.4	8.9W	9 57.763	-0.0055	21	-30 33 39.67	-0.051	21	0.44	57.864	22	31.5	38.73	21	31.5	G0		C7	7880	C -3012036
18		6.1T	9 57.837	-0.0036	09	-35 54 15.89	-0.024	08	0.52	58.043	17	93.5	14.45	15	91.0	B9		GC	20446	C -3510119
19		9.9W	9 59.544	-0.0071	21	-32 52 27.57	-0.044	21	0.44	59.676	22	31.5	26.76	21	31.5	K0	L	C7	7881	C -3210671
20	9.5	8.5W	10 3.602	-0.0018	21	-33 8 17.32	0.062	21	0.44	3.636	22	31.5	18.46	21	31.5	K0		C7	7882	C -3210672
21	10.8	9.4W	10 3.958	-0.0026	13	-37 9 59.52	-0.015	13	0.26	3.996	15	35.5	59.30	21	35.5	K2	L	C8	7466	C -36 9987
22	10.4	10.0W	10 8.038	0.0002	21	-32 15 28.21	-0.020	21	0.44	8.035	22	31.5	27.85	21	31.5	G0		C7	7883	C -3111801
23	10.3	9.5W	10 11.327	-0.0011	21	-34 58 54.81	-0.023	21	0.44	11.347	22	31.5	54.38	21	31.5	G5		C7	7884	C -3410252
24	9.6	9.2W	10 20.194	-0.0049	21	-30 31 14.54	-0.012	21	0.44	20.284	22	31.5	14.33	21	31.5	G5		C7	7885	C -3012040
25	10.6	10.1W	10 21.822	-0.0028	21	-31 30 54.72	-0.080	21	0.44	21.874	22	31.5	53.25	21	31.5	G0	L	C7	7886	C -3111803
26	9.0	8.8W	10 21.980	-0.0014	21	-32 57 38.07	-0.033	21	0.44	22.006	22	31.5	37.46	21	31.5	F8		C7	7887	C -3210676
27		8.0T	10 29.608	-0.0003	16	-37 21 31.91	-0.016	14	0.78	29.622	21	00.6	31.08	21	99.2	M0		GC	20459	C -3710049
28	10.5	9.5W	10 32.904	-0.0088	21	-34 17 7.71	0.025	21	0.44	33.067	22	31.5	8.17	21	31.5	K2		C7	7888	C -3310390
29	8.4	8.4W	10 38.605	-0.0056	13	-35 38 52.11	0.006	13	0.26	38.686	15	35.5	52.21	21	35.5	A2		C8	7470	C -3510127
30	9.7	9.4W	10 39.197	0.0021	10	-38 36 24.18	0.008	10	0.23	39.167	15	35.5	24.30	21	35.5	F5		C8	7472	C -3810082
31	9.9	9.7W	10 43.695	-0.0042	18	-37 59 39.27	0.009	18	0.32	43.756	15	35.5	39.40	21	35.5	A3		C8	7473	C -3710056
32	8.9	8.6W	10 43.883	-0.0050	21	-33 19 53.94	-0.015	21	0.44	43.976	22	31.5	53.66	21	31.5	F8		C7	7889	C -3310393
33	9.6	9.2W	10 44.246	-0.0048	09	-36 41 32.92	-0.077	09	0.22	44.316	15	35.5	31.81	21	35.5	G0		C8	7474	C -36 9995
34	10.1	9.8W	10 52.717	-0.0031	21	-31 1 23.06	-0.023	21	0.44	52.774	22	31.5	22.63	21	31.5	G0		C7	7890	C -3012044
35	9.4	9.2W	10 53.617	-0.0007	10	-38 44 12.21	0.013	10	0.23	53.627	15	35.5	12.41	21	35.5	F5		C8	7476	C -3810085
36		7.0T	10 56.831	-0.0012	13	-38 18 21.99	-0.029	12	0.67	56.888	21	01.6	20.50	19	99.2	A2		GC	20467	C -3810086
37	9.6	9.3W	11 3.327	-0.0007	10	-38 45 29.58	-0.026	10	0.23	3.337	15	35.5	29.20	21	35.5	F5		C8	7479	C -3810089
38	10.4	10.0W	11 3.373	-0.0050	13	-37 0 33.46	-0.032	13	0.26	3.446	15	35.5	33.00	21	35.5	F8		C8	7480	C -36 9998
39		10.2W	11 5.117	-0.0016	21	-34 24 15.20	0.036	21	0.44	5.146	22	31.5	15.87	21	31.5			C7	7891	C -3410257
40	10.5	9.3W	11 8.371	-0.0024	13	-36 1 45.00	0.000	13	0.26	8.405	15	35.5	45.00	21	35.5	K5		C8	7481	C -3510135
41	8.8	8.8W	11 13.937	-0.0027	13	-36 40 36.47	-0.012	13	0.26	13.976	15	35.5	36.31	21	35.5	A2		C8	7482	C -36 9999
42	10.1	9.6W	11 18.051	-0.0038	13	-36 42 35.38	-0.026	13	0.26	18.106	15	35.5	35.00	21	35.5	G		C8	7483	C -3610000
43	9.7	9.4W	11 19.230	-0.0017	13	-36 2 56.49	-0.034	13	0.26	19.256	15	35.5	56.00	21	35.5	F2		C8	7484	C -3510137
44	9.5	9.2W	11 31.324	-0.0040	21	-34 34 32.60	0.015	21	0.44	31.397	22	31.5	32.88	21	31.5	F8		C7	7892	C -3410263
45		5.0H	11 33.112	-0.0004	02	-31 20 1.92	-0.003	02	0.09	33.124	05	15.1	1.81	05	17.5	F0		F4	1399	C -3111813
46	10.6	8.9W	11 35.790	-0.0009	21	-33 42 52.88	-0.044	21	0.44	35.806	22	31.5	52.07	21	31.5	K5		C7	7894	C -3310398
47	10.9	9.5W	11 39.731	-0.0019	21	-33 42 35.53	-0.041	21	0.44	39.766	22	31.5	34.77	21	31.5	K0		C7	7895	C -3310399
48	10.8	9.7W	11 39.822	0.0016	21	-30 5 33.58	-0.031	21	0.44	39.792	22	31.5	33.00	21	31.5	K0	L	C7	7896	C -2911607
49	10.5	9.6W	11 40.880	-0.0008	21	-30 40 41.76	0.015	21	0.44	40.894	22	31.5	42.03	21	31.5	K0	L	C7	7897	C -3012055
50	9.2	9.3W	11 47.404	-0.0008	13	-36 56 37.78	-0.019	13	0.26	47.416	15	35.5	37.50	21	35.5	B9		C8	7486	C -3610003
51	9.9	8.8W	15 11 47.562	-0.0031	10	-39 14 53.70	-0.021	10	0.23	47.607	15	35.5	53.40	21	35.5	K0		C8	7487	C -3810105
52	8.7	8.6W	11 58.044	-0.0023	08	-39 32 14.73	-0.009	08	0.22	58.078	15	35.5	14.60	21	35.5	A2		C8	7488	C -39 9675
53		10.0W	12 8.403	0.0014	21	-33 33 43.05	0.028	21	0.44	8.377	22	31.5	43.57	21	31.5	G2	L	C7	7898	C -3310403
54	9.5	9.2W	12 10.339	-0.0046	21	-30 47 33.12	-0.042	21	0.44	10.424	22	31.5	32.33	21	31.5	G0		C7	7899	C -3012061
55	9.2	9.3W	12 22.365	-0.0015	10	-39 13 42.93	-0.030	10	0.23	22.387	15	35.5	42.50	21	35.5	A0		C8	7490	C -3810116
56	10.3	9.8W	12 22.617	-0.0036	21	-32 13 46.98	-0.148	21	0.44	22.685	22	31.5	44.25	21	31.5	G0		C7	7900	C -3111821
57	11.3	9.9W	12 23.247	-0.0047	13	-35 19 44.82	-0.015	13	0.26	23.315	15	35.5	44.61	21	35.5	K2	L	C8	7491	C -3510152
58	9.5	9.2W	12 26.893	0.0010	21	-30 58 34.18	-0.013	21	0.44	26.874	22	31.5	33.93	21	31.5	A3		C7	7901	C -3012064
59	10.4	9.3W	12 27.913	0.0015	21	-33 6 22.66	-0.000	21	0.44	27.886	22	31.5	22.66	21	31.5	K5		C7	7902	C -3210692
60	10.4	10.0W	12 28.917	-0.0003	21	-30 27 23.83	0.026	21	0.44	28.923	22	31.5	24.31	21	31.5	G2	L	C7	7903	C -3012066
61	9.5	9.2W	12 34.787	-0.0015	21	-30 30 51.56	0.041	21	0.44	34.814	22	31.5	52.33	21	31.5	F8		C7	7904	C -3012068
62	9.1	8.7W	12 36.930	-0.0018	13	-36 58 11.53	-0.030	13	0.26	36.956	15	35.5	11.10	21	35.5	A2		C8	7492	C -3610010
63		7.7T	12 37.304	-0.0042	16	-36 57 50.68	-0.018	11	0.72	37.505	21	01.9	49.71	19	97.2	A2		GC	20499	C -3610010
64	9.7	8.8W	12 40.006	-0.0017	21	-34 37 7.37	-0.010	21	0.44	40.037	22	31.5	7.18	21	31.5	G5		C7	7905	C -3410276
65	8.1	7.9W	12 41.441	-0.0031	13	-36 48 49.02	-0.050	13	0.26	41.486	15	35.5	48.30	21	35.5	F2		C8	7494	C*-3610012
66	9.9	9.5W	12 54.031	-0.0025	18	-38 41 28.24	-0.044	18	0.32	54.067	15	35.5	27.60	21	35.5	G0		C8	7495	C -3810126
67	9.9	8.2W	12 56.383	-0.0002	18	-37 19 2.41	-0.001	18	0.32	56.386	15	35.5	2.40	21	35.5	MA		C8	7497	C -3710097
68	8.6	8.2W	13 0.161	-0.0072	21	-30 32 43.19	-0.046	21	0.44	0.294	22	31.5	42.33	21	31.5	G0		C7	7906	C -3012072
69	9.9	9.4W	13 4.309	-0.0019	21	-32 29 13.83	-0.021	21	0.44	4.345	22	31.5	13.45	21	31.5	G0		C7	7907	C -3210699
70	9.6	9.3W	13 4.800	-0.0106	21	-32 42 29.38	-0.066	21	0.44	4.996	22	31.5	28.16	21	31.5	F0		C7	7908	C -3210698
71	9.5	9.3W	13 6.236	0.0018	21	-30 23 35.32	-0.033	21	0.44	6.202	22	31.5	34.71	21	31.5	A0		C7	7909	C*-3012075
72	10.0	9.8W	13 7.855	-0.0048	13	-36 3 20.83	-0.009	13	0.26	7.925	15	35.5	20.70	21	35.5	A3		C8	7498	C -3510164
73	10.4	9.2W	13 8.815	-0.0005	21	-31 38 46.46	-0.017	21	0.44	8.824	22	31.5	46.15	21	31.5	K2		C7	7910	C -3111829
74	10.2	9.4W	13 10.292	-0.0017	13	-35 30 51.26	-0.018	13	0.26	10.316	15	35.5	51.00	21	35.5	G5		C8	7499	C -3510165
75		7.0T	13 17.123	-0.0002	13	-39 22 37.26	-0.005	12	0.68	17.132	21	01.1	36.98	19	98.5	K0		GC	20516	C -39 9697
76	9.6	8.8W	13 21.185	-0.0005	21	-32 28 9.75	-0.006	21	0.44	21.194	22	31.5	9.65	21	31.5	G0		C7	7911	C -3210706
77	9.6	9.3W	13 28.709	-0.0004	21	-33 42 20.88	0.037	21	0.44	28.716	22	31.5	21.57	21	31.5	A2		C7	7912	C -3310418
78		10.3W	13 34.021	-0.0051	21	-33 2 47.58	0.015	21	0.44	34.116	22	31.5	47.86	21	31.5			C7	7913	C -3210707
79	10.1	8.6W	13 45.781	0.0009	13	-39 45 39.35	-0.031	13	0.26	45.768	15	35.5	38.90	21	35.5	K2		C8	7503	C -39 9704
80		7.0T	13 46.013	-0.0074	11	-38 15 51.73	-0.031	09	0.44	46.315	15	09.0	50.43	15	08.4	F0		GC	20528	C*-3710107
81	8.8	8.3W	13 51.705	-0.0118	09	-37 32 25.63	-0.064	09	0.22	51.876	15	35.5	24.71	21	35.5	G0		C8	7505	C -3710110
82	10.5	9.2W	13 54.808	0.0019	21	-30 11 2.42	-0.006	21	0.44	54.772	22	31.5	2.31	21	31.5	K0	L	C7	7914	C -2911624
83	9.8	9.5W	13 59.411	-0.0019	21	-32 38 39.36	-0.038	21	0.44	59.446	22	31.5	38.66	21	31.5	A3		C7	7915	C -3210710
84	7.9	8.0W	14 2.446	-0.0011	21	-34 23 36.79	0.004	21	0.44	2.466	22	31.5	36.87	21	31.5	A2		C7	7916	C -3410292
85	10.1	9.6W	14 4.714	-0.0033	21	-30 51 41.07	-0.034	21	0.44	4.774	22	31.5	40.43	21	31.5	G		C7	7917	C -3012091
86	10.7	9.1W	14 11.274	-0.0022	13	-36 23 26.41	-0.008	13	0.26	11.305	15	35.5	26.30	21	35.5	MA		C8	7507	C -3610030
87	10.1	9.6W	14 15.306	-0.0014	13	-35 46 38.39	-0.041	13	0.26	15.326	15	35.5	37.80	21	35.5	G0		C8	7508	C -3510177
88	9.7	9.6W	14 17.247	-0.0014	13	-38 59 25.42	-0.036	13	0.26	17.267	15	35.5	24.90	21	35.5	A3		C8	7509	C -3810155
89	10.5	10.0W	14 19.864	-0.0076	21	-31 4 16.62	-0.107	21	0.44	20.004	22	31.5	14.63	21	31.5	K0	L	C7	7918	C -3012092
90	10.3	9.9W	14 24.014	-0.0036	13	-36 22 50.91	0.006	13	0.26	24.066	15	35.5	51.00	21	35.5	G0		C8	7510	C -3610034
91	9.0	8.6W	14 27.152	-0.0038	13	-38 36 36.76	-0.039	13	0.26	27.207	15	35.5	36.21	21	35.5	F8		C8	7511	C -3810159
92	8.5	7.3W	14 27.609	-0.0020	13	-39 37 45.04	0.004	13	0.26	27.638	15	35.5	45.10	21	35.5	K0		C8	7512	C -39 9720
93	8.9	8.8W	14 28.364	-0.0001	13	-36 44 15.50	0.067	13	0.26	28.366	15	35.5	17.60	21	35.5	F0		C8	7513	C -3610036
94	8.7	8.7W	14 34.372	-0.0007	21	-31 16 35.16	-0.023	21	0.44	34.384	22	31.5	34.73	21	31.5	A2		C7	7919	C -3012099
95	10.4	10.3W	14 39.935	-0.0016	21	-31 1 8.15	-0.017	21	0.44	39.964	22	31.5	7.83	21	31.5	A2	L	C7	7920	C -3012101
96	10.0	9.6W	14 39.982	-0.0044	13	-36 47 41.14	-0.058	13	0.26	40.046	15	35.5	40.30	21	35.5	G0		C8	7514	C -3610037
97	10.6	10.3W	14 41.994	-0.0006	21	-30 37 12.91	-0.032	21	0.44	42.004	22	31.5	12.33	21	31.5	G0	L	C7	7921	C -3012102
98	10.0	9.5W	14 45.710	-0.0135	08	-36 9 33.83	-0.071	08	0.22	45.905	15	35.5	32.80	21	35.5	G0		C8	7516	C -3510184
99	9.0	9.0W	14 52.840	0.0015	21	-30 17 43.17	-0.025	21	0.44	52.812	22	31.5	42.70	21	31.5	F2		C7	7922	C -3012105
00	10.5	9.4W	14 57.415	-0.0021	13	-37 31 45.13	-0.023	13	0.26	57.446	15	35.5	44.80	21	35.5	K0		C8	7518	C -3710123

206500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 15H DM NUMBER
1	10.1	9.7W	15 15 4.219	-0.0040	21	-30 17 58.33	-0.028	21	0.44	4.292	22	31.5	57.80	21	31.5	G5	L	C7	7923	C -3012168
2	10.6	10.1W	15 10.510	-0.0004	18	-37 49 26.49	-0.006	18	0.32	10.516	15	35.5	26.40	21	35.5	G0		C8	7519	C -3715126
3	9.5	8.4W	15 13.566	-0.0031	21	-31 40 3.62	-0.004	21	0.44	13.624	22	31.5	3.54	21	31.5	K0		C7	7924	C -3111850
4		9.5W	15 17.790	-0.0020	21	-33 32 34.94	-0.020	21	0.44	17.826	22	31.5	34.57	21	31.5	K2	L	C7	7925	C -3315430
5	10.2	10.0W	15 20.893	-0.0007	21	-35 1 32.43	-0.024	21	0.44	20.905	22	31.5	32.05	21	31.5	F2		C7	7926	C -3410309
6	10.3	10.0W	15 26.323	-0.0071	08	-35 38 28.65	-0.024	08	0.22	26.426	15	35.5	28.30	21	35.5	G0		C8	7520	C -3510188
7	9.4	9.4W	15 31.601	-0.0025	18	-38 41 55.94	-0.024	18	0.32	31.637	15	35.5	55.60	21	35.5	A5		C8	7522	C -3815186
8			15 33.268	-0.0109	13	-35 36 30.01	-0.042	13	0.26	33.426	15	35.5	29.40	21	35.5	A8	L	C8	7523	C -3510191
9		6.3T	15 37.002	-0.0004	10	-31 1 39.84	-0.011	09	0.53	37.024	15	96.7	39.23	15	92.9	K0		GC	20563K	C -3012117
10		9.2R	15 44.482	-0.0027	20	-30 37 59.79	-0.049	20	0.36	44.527	16	33.4	58.98	16	33.4	F5	J	13B	9612	J -3012118
11	9.4	9.4W	15 45.382	-0.0045	13	-39 18 21.32	-0.050	13	0.26	45.447	15	35.5	20.60	21	35.5	A3		C8	7524	C -39 9739
12	10.4	9.9W	15 45.856	-0.0043	21	-32 40 29.43	-0.058	21	0.44	45.936	22	31.5	28.36	21	31.5	F8		C7	7929	C -3215726
13	10.2	10.0W	15 53.512	-0.0040	21	-32 52 34.60	-0.051	21	0.44	53.586	22	31.5	33.66	21	31.5	G0		C7	7930	C -3215727
14	9.5	9.4W	15 54.520	-0.0038	13	-36 10 49.97	-0.005	13	0.26	54.575	15	35.5	49.90	21	35.5	G0		C8	7525	C -3510197
15	9.5	9.6W	15 58.158	-0.0003	21	-31 41 53.51	0.029	21	0.44	58.164	22	31.5	54.06	21	31.5	A0		C7	7931	C -3111861
16	10.8		15 59.964	-0.0002	21	-34 42 1.56	-0.026	21	0.44	59.967	22	31.5	1.08	21	31.5	A0	L	C7	7932	C -3410313
17	11.0		16 6.198	-0.0026	18	-37 10 3.44	-0.030	18	0.32	6.236	15	35.5	3.01	21	35.5	G2	L	C8	7527	C -3610058
18	11.0	10.0W	16 7.746	-0.0011	21	-34 0 53.50	-0.018	21	0.44	7.766	22	31.5	53.17	21	31.5	G5	L	C7	7933	C -3310438
19	9.9	8.6W	16 10.749	-0.0012	05	-35 31 28.31	-0.028	05	0.20	10.765	15	35.5	27.90	21	35.5	K5		C8	7528	C -3510202
20	8.9	9.0W	16 11.493	0.0005	21	-31 50 52.81	-0.009	21	0.44	11.485	22	31.5	52.65	21	31.5	A2		C7	7934	C -3111865
21	9.9	8.8W	16 13.536	-0.0007	10	-37 23 36.28	-0.026	10	0.23	13.546	15	35.5	35.90	21	35.5	K0		C8	7530	C -3710134
22	7.5	7.8W	16 14.458	-0.0010	21	-33 51 4.52	-0.035	21	0.44	14.477	22	31.5	3.87	21	31.5	A0		C7	7935	C -3311441
23		6.2T	16 19.907	-0.0078	12	-36 54 50.33	-0.127	09	0.57	20.294	19	00.3	43.48	18	96.2	G5		GC	20561	C -3610062
24	10.7	9.1W	16 28.635	-0.0043	13	-38 55 24.04	-0.065	13	0.26	28.697	15	35.5	23.10	21	35.5	K5		C8	7532	C -3815195
25	10.0	9.5W	16 35.135	-0.0083	08	-36 4 30.80	-0.200	08	0.22	35.256	15	35.5	27.90	21	35.5	G5		C8	7535	C -3510209
26	10.0	10.0W	16 53.343	-0.0050	13	-37 9 5.59	0.014	13	0.26	53.416	15	35.5	5.80	21	35.5	A0		C8	7536	C -3610070
27		10.1W	16 55.143	-0.0039	21	-30 33 35.09	0.034	21	0.44	55.214	22	31.5	35.73	21	31.5			C7	7936	C -3012133
28	8.0	7.9W	16 56.080	0.0024	21	-32 41 4.08	-0.055	21	0.44	56.036	22	31.5	3.06	21	31.5	F2		C7	7937	C -3215738
29		8.8T	16 58.376	-0.0017	16	-31 31 43.04	-0.017	09	0.63	58.452	21	05.5	43.88	21	00.5	A3		GC	20595	C -3111877
30	9.3	9.6W	17 0.141	-0.0024	10	-38 11 54.91	-0.042	10	0.23	0.176	15	35.5	54.30	21	35.5	B8		C8	7537	C -3710147
31		7.8T	17 4.317	-0.0004	14	-34 44 41.18	-0.026	11	0.67	4.336	18	00.5	39.81	17	97.6	A3		GC	20596	C -3410322
32	8.6	8.8W	17 7.554	-0.0008	10	-38 27 11.28	-0.026	10	0.23	7.566	15	35.5	10.91	21	35.5	A2		C8	7538	C -3815203
33	8.9	8.7W	17 8.192	-0.0045	21	-30 39 24.19	0.019	21	0.44	8.274	22	31.5	24.53	21	31.5	F8		C7	7940	C -3012138
34	9.9	9.0W	17 10.912	-0.0010	18	-39 4 55.63	-0.030	18	0.32	10.927	15	35.5	55.20	21	35.5	K0		C8	7539	C -3815204
35	10.4	8.8W	17 17.368	-0.0007	08	-39 39 8.21	-0.001	08	0.22	17.378	15	35.5	8.20	21	35.5	K5		C8	7540	C -39 9759
36	10.0	9.8W	17 34.552	-0.0023	21	-30 47 10.85	-0.049	21	0.44	34.594	22	31.5	9.93	21	31.5	G0	L	C7	7941	C -3012145
37	9.5	8.5W	17 40.340	-0.0053	13	-38 52 39.50	-0.062	13	0.26	40.417	15	35.5	38.60	21	35.5	K0		C8	7541	C -3810214
38	10.9	9.2W	17 56.169	0.0018	21	-33 10 57.45	0.017	21	0.44	56.136	22	31.5	57.76	21	31.5	K5	L	C7	7942	C -3210751
39	10.9	9.7W	17 58.594	-0.0061	21	-33 41 0.91	-0.013	21	0.44	58.707	22	31.5	0.67	21	31.5	K0	L	C7	7943	C -3310467
40	10.3	8.6W	18 4.888	-0.0019	13	-37 25 31.18	0.043	13	0.26	4.916	15	35.5	31.80	21	35.5	K5		C8	7544	C -3710166
41	9.8	9.3W	18 15.561	-0.0051	21	-35 0 24.64	-0.035	21	0.44	15.655	22	31.5	24.00	21	31.5	F5		C7	7944	C -3410328
42	9.8	10.1W	18 15.851	-0.0004	13	-39 0 9.62	-0.036	13	0.26	15.857	15	35.5	9.10	21	35.5	A2		C8	7545	C -3810220
43		6.7R	18 16.202	-0.0012	11	-38 2 22.46	-0.044	11	0.61	16.262	19	98.8	20.15	18	97.9	AGP		GC	20630K	C*-3710171
44		8.6R	18 16.552	-0.0030	26	-38 2 24.38	-0.029	22	1.06	16.680	24	06.9	23.09	24	05.9			GC	20631K	C -3710171
45		9.8W	18 17.184	-0.0066	21	-32 55 21.14	0.001	21	0.44	17.306	22	31.5	21.16	21	31.5	G0	L	C7	7945	C -3210754
46	10.2	9.2W	18 20.098	0.0007	21	-30 36 0.18	0.002	21	0.44	20.084	22	31.5	0.23	21	31.5	K0		C7	7946	C -3012153
47	10.7	9.4W	18 21.868	-0.0012	13	-36 49 6.03	-0.009	13	0.26	21.886	15	35.5	5.90	21	35.5	K2		C8	7548	C -3610087
48	9.9	9.8W	18 27.503	-0.0009	13	-35 34 2.56	-0.018	13	0.26	27.515	15	35.5	2.30	21	35.5	A2		C8	7549	C -3510231
49	10.9	10.1W	18 31.153	-0.0016	21	-30 6 34.72	0.032	21	0.44	31.182	22	31.5	35.31	21	31.5	G5	L	C7	7947	C -2911650
50	9.6	8.8W	18 33.851	-0.0005	13	-39 49 44.93	-0.009	13	0.26	33.858	15	35.5	44.81	21	35.5	K0		C8	7550	C -39 9779
51	10.2	8.7W	15 18 35.489	-0.0025	13	-36 7 50.97	-0.046	13	0.26	35.525	15	35.5	50.31	21	35.5	K2	L	C8	7551	C -3510233
52		3.6H	18 37.512	-0.0075	03	-36 4 53.19	-0.087	02	0.11	37.743	06	19.1	50.56	06	19.9	K5		F4	566	C -3515236
53	8.1	8.1W	18 39.182	0.0004	14	-37 22 11.94	-0.072	14	0.27	39.176	15	35.5	10.90	21	35.5	A3		C8	7553	C -3710176
54	10.9	9.1W	18 43.640	-0.0031	21	-34 33 46.42	0.025	21	0.44	43.697	22	31.5	46.88	21	31.5	K5		C7	7948	C -3410333
55	9.7	8.4W	18 43.923	-0.0030	13	-39 2 46.13	-0.071	13	0.26	43.967	15	35.5	45.10	21	35.5	K0		C8	7554	C -3810229
56	10.3	9.9W	18 48.672	-0.0009	23	-35 52 36.41	-0.001	23	0.38	48.685	15	35.5	36.41	21	35.5	F8		C8	7555	C -3510238
57	9.5	8.4W	18 57.305	-0.0035	10	-38 10 54.03	-0.030	10	0.23	57.356	15	35.5	53.60	21	35.5	K0		C8	7557	C -3710180
58	9.2	9.0W	18 57.673	-0.0028	21	-31 21 26.62	-0.042	21	0.44	57.724	22	31.5	25.83	21	31.5	F5		C7	7949	C -3111895
59		6.9T	18 58.095	-0.0023	12	-37 27 24.70	-0.028	12	0.64	58.208	19	00.6	23.27	19	99.6	B9		GC	20652	C*-3710181
60		7.4T	19 2.865	-0.0048	13	-32 0 39.36	-0.006	11	0.66	3.111	18	98.7	39.03	18	95.6	MB		GC	20653	C -3111896
61	9.2	9.1W	19 14.136	-0.0033	21	-34 26 44.79	-0.050	21	0.44	14.196	22	31.5	43.87	21	31.5	F5		C7	7951	C -3410334
62	10.6	9.5W	19 15.381	-0.0001	21	-30 16 20.61	-0.000	21	0.44	15.382	22	31.5	20.61	21	31.5	K5		C7	7952	C -3012175
63		7.9T	19 15.749	-0.0004	14	-34 31 48.55	-0.025	12	0.70	15.768	18	00.8	47.24	18	98.3	K2		GC	20658	C -3410335
64	9.6	9.3W	19 15.791	0.0004	13	-36 2 40.92	-0.022	13	0.26	15.786	15	35.5	40.60	21	35.5	F8		C8	7559	C -3710184
65		9.9W	19 16.907	-0.0042	21	-30 40 44.02	-0.064	21	0.44	16.984	22	31.5	42.83	21	31.5			C7	7954	C -3012174
66	10.4	9.9W	19 17.445	-0.0062	23	-35 46 6.35	0.038	23	0.38	17.536	15	35.5	6.91	21	35.5	G0		C8	7560	C -3510242
67	8.9	8.1W	19 17.717	0.0008	06	-36 51 1.08	-0.033	06	0.20	17.706	15	35.5	0.60	21	35.5	K0		C8	7561	C -3610095
68	9.8	9.6W	19 18.003	-0.0030	13	-35 59 4.65	-0.059	13	0.26	18.046	15	35.5	3.80	21	35.5	F0		C8	7562	C -3510243
69	9.6	9.2W	19 18.991	0.0067	21	-33 32 13.64	-0.101	21	0.44	18.866	22	31.5	11.77	21	31.5	G0		C7	7955	C -3310480
70		7.5T	19 20.044	-0.0014	14	-33 58 47.51	-0.007	13	0.70	20.110	18	01.5	47.14	18	99.4	A0		GC	20661K	C*-3310481
71	8.6	8.5W	19 24.909	-0.0004	13	-36 22 30.09	-0.034	13	0.26	24.915	15	35.5	29.60	21	35.5	F0		C8	7564	C -3610099
72	9.4	8.5W	19 26.935	0.0050	21	-30 12 3.17	-0.003	21	0.44	26.842	22	31.5	3.11	21	31.5	K0		C7	7957	C -2911655
73	10.0	9.6W	19 29.364	-0.0043	21	-31 32 5.26	-0.050	21	0.44	29.444	22	31.5	4.35	21	31.5	F2		C7	7958	C -3111951
74	9.7	9.2W	19 33.656	-0.0038	21	-33 26 17.61	0.046	21	0.44	33.726	22	31.5	18.46	21	31.5	F8		C7	7959	C -3310485
75	9.9	9.1W	19 42.478	0.0003	21	-30 13 32.11	0.016	21	0.44	42.472	22	31.5	32.41	21	31.5	K0		C7	7960	C -2911658
76	9.6	9.7W	19 44.089	-0.0054	10	-39 10 33.19	-0.027	10	0.23	44.167	15	35.5	32.80	21	35.5	A0		C8	7566	C -3810248
77	9.2	8.9W	19 45.728	-0.0033	13	-36 48 8.65	-0.031	13	0.26	45.776	15	35.5	8.21	21	35.5	F8		C8	7567	C -3610101
78	10.9	10.1W	19 51.869	-0.0019	21	-30 48 32.13	0.017	21	0.44	51.904	22	31.5	32.43	21	31.5	K0	L	C7	7961	C -3012184
79	9.7	9.6W	19 53.843	-0.0029	18	-38 12 30.72	-0.015	18	0.32	53.886	15	35.5	30.50	21	35.5	A2		C8	7569	C -3710189
80		4.7H	19 57.180	-0.0015	03	-36 40 50.37	-0.025	03	0.12	57.236	05	12.7	49.48	05	14.6	B3		F4	1403	C -3610103
81	10.1	8.9W	20 2.391	-0.0017	13	-36 0 4.34	-0.017	13	0.26	2.415	15	35.5	4.10	21	35.5	K0		C8	7571	C -3510251
82	9.4	7.6W	20 11.965	-0.0021	21	-32 8 10.73	-0.032	21	0.44	12.004	22	31.5	10.15	21	31.5	K5		C7	7962	C -3111910
83		8.8T	20 19.823	-0.0037	12	-31 37 43.03	0.014	09	0.58	20.001	22	02.0	43.77	21	96.9	A5		GC	20684	C -3111915
84		8.0T	20 23.939	-0.0096	12	-34 34 1.38	-0.127	11	0.63	24.425	18	99.3	54.65	18	97.1	G0		GC	20685	C -3410344
85	9.9	9.6W	20 29.750	-0.0034	21	-30 27 19.52	-0.022	21	0.44	29.812	22	31.5	19.11	21	31.5	F8		C7	7965	C -3012189
86	9.4	8.8W	20 55.573	-0.0009	08	-35 50 24.77	-0.060	08	0.22	55.585	15	35.5	23.90	21	35.5	G5		C8	7573	C -3511262
87	9.6	9.7W	20 57.533	-0.0033	21	-31 50 13.16	0.010	21	0.44	57.595	22	31.5	13.35	21	31.5	A0		C7	7966	C -3111920
88	9.1	8.2W	21 0.087	-0.0006	10	-37 23 23.82	-0.015	10	0.23	0.096	15	35.5	23.60	21	35.5	K0		C8	7576	C -3710213
89	9.9	9.2W	21 0.156	-0.0022	21	-33 51 36.86	0.103	21	0.44	0.196	22	31.5	38.77	21	31.5	G0		C7	7967	C -3310497
90	10.2	9.8W	21 0.285	-0.0001	09	-36 20 51.71	-0.042	09	0.22	0.286	15	35.5	51.10	21	35.5	F8		C8	7577	C -3610116
91	10.2	10.1W	21 2.195	-0.0043	21	-30 51 6.09	0.002	21	0.44	2.274	22	31.5	6.13	21	31.5	F2	L	C7	7968	C -3012198
92		10.3W	21 16.338	-0.0004	21	-33 1 23.33	0.023	21	0.44	16.346	22	31.5	23.76	21	31.5	G5	L	C7	7969	C -3210776
93	10.8	9.3W	21 17.156	-0.0039	21	-34 49 23.37	-0.005	21	0.44	17.227	22	31.5	23.28	21	31.5	K0	L	C7	7970	C -3410349
94	9.9	9.5W	21 21.040	-0.0024	21	-31 19 43.47	-0.073	21	0.44	21.064	22	31.5	42.13	21	31.5	G0		C7	7971	C -3111929
95	9.5	9.3W	21 24.609	-0.0031	21	-33 53 19.63	0.013	21	0.44	24.666	22	31.5	19.87	21	31.5	F5		C7	7972	C -3310500
96	9.9	9.9W	21 26.389	-0.0019	18	-38 56 18.92	-0.084	18	0.32	26.417	15	35.5	17.70	21	35.5	A2		C8	7579	C -3810277
97		5.4T	21 28.446	-0.0033	06	-39 32 0.41	-0.050	05	0.27	28.585	10	07.6	58.04	10	03.1	A0		GC	20698	C*-39 9827
98	10.2	9.7W	21 30.188	-0.0033	13	-35 38 8.94	-0.010	13	0.26	30.236	15	35.5	8.80	21	35.5	F2		C8	7581	C -3510268
99		6.8T	21 30.517	-0.0010	15	-35 44 27.07	-0.003	10	0.68	30.470	21	01.4	26.88	19	96.4	A2		GC	20701	C -3510267
00	9.5	9.6W	21 33.573	-0.0022	21	-31 32 9.63	-0.021	21	0.44	33.614	22	31.5	9.24	21	31.5	A0		C7	7973	C -3111931

206600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 15H DM NUMBER
1	10.3	9.9W	15 21 34.101	-0.0068	21	-33 38 3.05	0.039	21	0.44	34.227	22	31.5	3.77	21	31.5	GO		C7	7974	C -3310502
2	10.1	9.8W	21 36.548	-0.0051	21	-30 29 10.73	-0.017	21	0.44	36.642	22	31.5	10.41	21	31.5	F2	L	C7	7975	C -3012205
3	9.1	8.8W	21 37.282	0.0010	21	-31 34 41.34	-0.027	21	0.44	37.264	22	31.5	40.85	21	31.5	F8		C7	7976	C -3111932
4	9.2	8.9W	21 41.890	-0.0148	21	-31 57 52.21	-0.020	21	0.44	42.165	22	31.5	51.85	21	31.5	GO		C7	7977	C -3111934
5	9.6	8.9W	21 42.781	0.0004	13	-36 30 26.93	0.005	13	0.26	42.776	15	35.5	27.00	21	35.5	G5		C8	7583	C -3610124
6	8.6	8.5W	21 42.821	-0.0010	18	-37 19 31.28	-0.047	18	0.32	42.836	15	35.5	30.60	21	35.5	F0		C8	7584	C -3710221
7		7.1T	21 52.206	-0.0009	15	-37 59 36.46	-0.032	13	0.73	52.249	18	01.5	34.79	21	98.5	A2		GC	20708	C -3710225
8	7.4	7.4W	21 57.018	-0.0117	21	-31 58 49.26	-0.017	21	0.44	57.235	22	31.5	48.95	21	31.5	F0		C7	7978	C -3111937
9	10.2	8.6W	21 57.714	0.0012	13	-38 43 49.01	-0.028	13	0.26	57.697	15	35.5	48.60	21	35.5	MA		C8	7586	C -3810283
10	10.6	10.3W	21 59.700	-0.0058	21	-34 48 30.35	-0.052	21	0.44	59.807	22	31.5	29.38	21	31.5	F2	L	C7	7979	C -3410359
11	8.6	8.4W	22 1.752	-0.0023	08	-37 58 55.52	-0.022	08	0.22	1.786	15	35.5	55.21	21	35.5	F5		C8	7588	C -3710227
12	10.6	8.9W	22 1.774	0.0006	13	-36 41 44.76	-0.032	13	0.26	1.766	15	35.5	44.31	21	35.5	K0		C8	7587	C -3610128
13	9.1	8.7W	22 1.865	-0.0036	13	-38 34 53.10	-0.062	13	0.26	1.917	15	35.5	52.20	21	35.5	G0		C8	7589	C -3810287
14		9.5Y	22 2.196	-0.0064	21	-30 40 52.02	-0.010	21	0.44	2.314	22	31.5	51.83	21	31.5	G0	L	C7	7980	C -3012211
15	9.5	9.2W	22 5.051	0.0003	21	-33 21 31.00	0.036	21	0.44	5.046	22	31.5	31.66	21	31.5	G0		C7	7981	C -3310507
16		4.7T	22 5.129	-0.0045	06	-38 33 28.63	-0.019	05	0.26	5.327	10	05.8	27.70	10	02.2	A0		GC	20714	C*-3810289
17	9.7	9.4W	22 6.280	-0.0057	21	-32 50 23.77	-0.022	21	0.44	6.386	22	31.5	23.36	21	31.5	A5		C7	7982	C -3210782
18	9.7	8.7W	22 7.898	-0.0013	13	-39 8 34.55	-0.052	13	0.26	7.917	15	35.5	33.80	21	35.5	K0		C8	7591	C -3810290
19	10.2	9.3W	22 12.082	0.0018	13	-36 42 28.09	0.008	13	0.26	12.056	15	35.5	28.21	21	35.5	G5		C8	7593	C -3610135
20	10.1	9.9W	22 12.762	-0.0045	21	-33 20 10.16	0.038	21	0.44	12.846	22	31.5	10.86	21	31.5	G0		C7	7983	C -3310508
21	9.4	9.3W	22 14.226	-0.0035	13	-38 35 13.10	-0.083	13	0.26	14.277	15	35.5	11.90	21	35.5	F0		C8	7594	C -3810291
22		9.5W	22 16.099	0.0002	09	-35 56 15.72	-0.029	09	0.22	16.096	15	35.5	15.30	21	35.5			C8	7596	C -3510278
23	9.7	9.6W	22 16.717	-0.0030	21	-30 24 24.76	-0.003	21	0.44	16.772	22	31.5	24.70	21	31.5	G0		C7	7984	C -3012212
24	10.5	9.5W	22 17.570	0.0030	13	-35 32 41.68	-0.040	13	0.26	17.526	15	35.5	41.10	21	35.5	K0		C8	7597	C -3510277
25		7.5T	22 18.524	-0.0033	13	-36 1 25.50	-0.032	11	0.64	18.691	18	00.3	23.77	17	96.8	A0		GC	20717	C -3510279
26	9.3	9.1W	22 22.039	-0.0039	23	-36 57 39.09	-0.013	23	0.38	22.096	15	35.5	38.90	21	35.5	F0		C8	7599	C -3610136
27	9.5	9.2W	22 24.711	0.0010	13	-38 51 12.92	-0.050	13	0.26	24.697	15	35.5	12.20	21	35.5	F8		C8	7600	C -3810294
28	10.5	10.2W	22 29.123	-0.0006	21	-31 43 35.33	-0.032	21	0.44	29.134	22	31.5	34.75	21	31.5	F8	L	C7	7985	C -3111942
29	9.5	9.7W	22 29.266	0.0007	18	-38 27 31.81	-0.063	18	0.32	29.256	15	35.5	30.91	21	35.5	A0		C8	7601	C -3810297
30	9.7	8.7W	22 30.177	-0.0000	13	-38 52 39.61	-0.028	13	0.26	30.177	15	35.5	39.20	21	35.5	G5		C8	7602	C -3810298
31	10.2	9.8W	22 30.215	-0.0048	21	-32 2 28.12	0.001	21	0.44	30.304	22	31.5	28.15	21	31.5	G0		C7	7986	C -3111943
32	10.4	10.1W	22 37.269	-0.0015	21	-34 19 1.82	-0.138	21	0.44	37.296	22	31.5	59.27	21	31.5	G0		C7	7987	C -3410364
33	9.5	9.4W	22 38.322	-0.0064	13	-35 46 54.45	-0.045	13	0.26	38.415	15	35.5	53.81	21	35.5	F0		C8	7603	C -3510281
34		9.6W	22 39.872	0.0019	21	-34 15 0.69	0.015	21	0.44	39.836	22	31.5	0.97	21	31.5			C7	7988	C -3310513
35	8.9	8.1W	22 41.716	-0.0007	13	-37 18 31.00	-0.055	13	0.26	41.726	15	35.5	30.21	21	35.5	K0		C8	7604	C -3710234
36	9.3	9.3W	22 42.314	-0.0022	13	-37 41 12.26	0.092	13	0.26	42.346	15	35.5	13.60	21	35.5	F0		C8	7605	C -3710235
37		7.2T	22 49.801	-0.0012	13	-39 42 50.27	-0.012	10	0.63	49.861	21	99.8	49.58	18	94.5	A0		GC	20727	C -39 9848
38		7.6T	22 51.751	-0.0007	12	-36 17 54.22	0.002	12	0.63	51.787	18	00.8	54.30	18	99.3	K0		GC	20728	C -3610143
39	9.9	9.7W	22 54.675	-0.0055	21	-33 33 35.28	-0.033	21	0.44	54.777	22	31.5	34.67	21	31.5	A2		C7	7989	C -3310515
40	8.7	8.7W	22 56.346	-0.0038	21	-34 26 45.28	0.005	21	0.44	56.416	22	31.5	45.37	21	31.5	A2		C7	7990	C -3410367
41	10.0	9.5W	22 56.550	-0.0061	21	-30 17 30.34	-0.045	21	0.44	56.662	22	31.5	29.51	21	31.5	G5		C7	7991	C -3012221
42	9.6	9.3W	22 57.157	-0.0006	23	-37 58 54.60	-0.069	23	0.38	57.166	15	35.5	53.60	21	35.5	F8		C8	7609	P -37 6494
43	11.0	10.1W	22 57.300	-0.0023	21	-30 21 50.78	0.045	21	0.44	57.342	22	31.5	51.61	21	31.5	G5	L	C7	7992	C -3012220
44	9.9	9.8W	22 58.214	-0.0028	21	-32 52 24.72	0.013	21	0.44	58.266	22	31.5	24.96	21	31.5	A0		C7	7993	C -3210792
45	8.8	9.0W	23 3.901	-0.0010	13	-37 32 52.40	-0.014	13	0.26	3.916	15	35.5	52.20	21	35.5	A0		C8	7610	C -3710240
46	10.3	9.9W	23 4.716	-0.0005	21	-30 36 24.52	-0.042	21	0.44	4.724	22	31.5	23.73	21	31.5	F0	L	C7	7994	C -3012222
47		6.8T	23 4.918	-0.0002	10	-36 25 23.19	-0.037	09	0.55	4.930	18	97.5	21.13	17	94.9	K0		GC	20732	C -3610147
48	10.1	9.3W	23 7.209	-0.0018	13	-38 27 49.05	-0.031	13	0.26	7.236	15	35.5	48.60	21	35.5	K0		C8	7612	C -3810314
49	9.7	8.1W	23 9.458	-0.0005	13	-37 35 46.53	0.039	13	0.26	9.466	15	35.5	47.10	21	35.5	K2		C8	7613	C -3710241
50	10.0	9.8W	23 13.842	0.0004	08	-36 12 21.71	0.068	08	0.22	13.835	15	35.5	22.70	21	35.5	G0		C8	7614	C -3510284
51	10.1	9.1W	15 23 15.883	-0.0015	13	-36 10 23.07	-0.019	13	0.26	15.905	15	35.5	22.80	21	35.5	G5		C8	7615	C -3510285
52		7.5T	23 21.755	-0.0013	09	-31 8 45.01	-0.048	06	0.36	21.809	15	08.8	42.87	15	05.1	F5		GC	20738	C -3012226
53	9.6	8.8W	23 30.068	-0.0013	10	-39 11 39.09	-0.013	10	0.23	30.087	15	35.5	38.90	21	35.5	K0		C8	7616	C -3810317
54	10.2	9.8W	23 31.516	-0.0048	21	-31 28 10.51	-0.036	21	0.44	31.604	22	31.5	9.83	21	31.5	G0		C7	7996	C -3111957
55	10.3	9.9W	23 35.574	-0.0022	18	-37 40 8.69	-0.020	18	0.32	35.606	15	35.5	8.40	21	35.5	G0		C8	7617	C -3710245
56		7.6T	23 35.615	-0.0021	17	-35 36 22.22	-0.033	13	0.75	35.715	18	03.2	20.57	18	00.7	A0		GC	20744	C -3510286
57	10.6		23 40.027	-0.0019	21	-30 28 42.93	-0.093	21	0.44	40.062	22	31.5	41.20	21	31.5	A8	L	C7	7997	C -3012235
58	10.5	10.3W	23 48.062	-0.0028	21	-32 4 30.52	-0.015	21	0.44	48.115	22	31.5	30.25	21	31.5	F0	L	C7	7998	C -3111958
59	10.0	9.7W	23 55.822	-0.0044	21	-32 27 31.45	0.010	21	0.44	55.904	22	31.5	31.65	21	31.5	G0		C7	7999	C -3210801
60		5.5T	24 5.540	-0.0010	07	-36 35 37.43	-0.038	05	0.27	5.579	10	09.7	35.79	10	07.4	B5		GC	20756K	C*-3610161
61	10.1	8.8W	24 6.044	0.0004	08	-39 56 32.57	-0.005	08	0.22	6.038	15	35.5	32.50	21	35.5	K2		C8	7620	C -39 9871
62	10.2	9.3W	24 17.434	-0.0002	18	-38 41 6.35	-0.045	18	0.32	17.437	15	35.5	5.70	21	35.5	K0		C8	7621	C -3810335
63	10.7	9.8W	24 20.371	-0.0050	21	-31 54 50.45	-0.011	21	0.44	20.464	22	31.5	50.25	21	31.5	K0	L	C7	8000	C -3111962
64	9.7	9.5W	24 30.400	-0.0025	13	-36 3 48.52	-0.036	13	0.26	30.436	15	35.5	48.01	21	35.5	F5		C8	7622	C -3510296
65	10.4	10.0W	24 35.239	-0.0067	21	-30 26 20.39	-0.010	21	0.44	35.363	22	31.5	20.21	21	31.5	F8	L	C7	8001	C -3012241
66	9.4	9.2W	24 39.870	-0.0032	13	-39 21 30.86	-0.080	13	0.26	39.917	15	35.5	29.70	21	35.5	F8		C8	7624	C -39 9882
67	9.5	8.4W	24 44.343	0.0019	13	-38 28 26.01	-0.001	13	0.26	44.316	15	35.5	26.01	21	35.5	K0		C8	7625	C -3810341
68	9.9	9.5W	24 50.369	-0.0094	06	-35 24 49.89	-0.110	06	0.20	50.505	15	35.5	48.30	21	35.5	G0		C8	7626	C -3510299
69		7.5T	24 54.053	-0.0022	14	-33 22 18.14	-0.033	11	0.62	54.156	14	02.8	16.51	15	00.4	B5		GC	20770	C -3310526
70	9.7	8.6W	24 54.334	-0.0015	13	-38 16 15.89	-0.006	13	0.26	54.356	15	35.5	15.80	21	35.5	K0		C8	7627	C -3810350
71	9.7	8.9W	24 58.025	-0.0008	13	-38 37 22.87	-0.095	13	0.26	58.037	15	35.5	21.50	21	35.5	K0		C8	7628	C -3810351
72	10.0	9.7W	24 59.105	0.0020	21	-34 40 0.26	-0.058	21	0.44	59.067	22	31.5	59.18	21	31.5	G0		C7	8003	C -3410382
73	8.6	7.0W	24 59.526	0.0028	06	-37 11 8.05	-0.031	06	0.20	59.486	15	35.5	7.60	21	35.5	MB		C8	7629	C -3610169
74	9.5	9.6W	25 2.107	-0.0022	21	-34 45 0.17	-0.048	21	0.44	2.147	22	31.5	59.28	21	31.5	A0		C7	8004	C -3410383
75	9.9	9.6W	25 2.340	-0.0004	21	-34 32 2.57	-0.075	21	0.44	2.347	22	31.5	1.18	21	31.5	G0		C7	8005	C -3410384
76	10.0	9.5W	25 2.872	0.0003	21	-34 0 22.11	-0.029	21	0.44	2.867	22	31.5	21.57	21	31.5	G0		C7	8006	C*-3310527
77		7.4T	25 7.536	0.0032	14	-37 27 25.14	-0.024	11	0.68	7.378	21	00.8	23.84	21	96.6	K0		GC	20773	C -3710268
78	9.6	8.4W	25 7.939	-0.0019	13	-38 52 3.84	-0.051	13	0.26	7.967	15	35.5	3.10	21	35.5	K0		C8	7631	C -3810354
79	8.2	8.0W	25 9.709	0.0028	13	-39 36 57.72	-0.036	13	0.26	9.668	15	35.5	57.21	21	35.5	F2		C8	7632	C -39 9891
80	10.1	10.0W	25 19.116	-0.0074	21	-30 24 24.80	-0.059	21	0.44	19.252	22	31.5	23.71	21	31.5	G0		C7	8007	C -3012255
81	10.4	9.6W	25 20.114	0.0010	21	-32 32 0.51	-0.019	21	0.44	20.096	22	31.5	0.16	21	31.5	G5		C7	8008	C -3210819
82	10.7	9.5W	25 30.209	-0.0019	13	-36 19 42.66	-0.004	13	0.26	30.235	15	35.5	42.61	21	35.5	K0		C8	7633	C -3610179
83		9.2T	25 30.742	-0.0014	15	-30 55 27.99	0.008	11	0.67	30.808	21	03.3	28.42	22	99.4	A2		GC	20787	C -3012256
84		9.4R	25 32.930	-0.0026	20	-30 2 24.81	-0.067	20	0.36	32.973	16	33.4	23.69	16	33.4	G0	M	13B	9693	J -2911709
85	9.6	9.4W	25 32.946	-0.0043	13	-39 38 6.72	-0.043	13	0.26	33.008	15	35.5	6.10	21	35.5	G0		C8	7634	C -39 9898
86		8.6T	25 38.207	-0.0013	12	-31 7 20.64	0.044	10	0.60	38.272	19	00.9	22.90	21	98.8	K0		GC	20790K	C*-3012259
87	10.1	9.1W	25 39.969	-0.0080	21	-34 9 33.57	-0.108	21	0.44	40.117	22	31.5	31.57	21	31.5	G5		C7	8011	C -3310536
88		7.2T	25 40.205	-0.0016	11	-31 18 12.77	-0.016	08	0.49	40.285	17	00.6	11.95	17	97.6	A2		GC	20791K	C*-3111981
89	10.8	9.1W	25 47.388	0.0015	13	-36 21 3.08	-0.033	13	0.26	47.366	15	35.5	2.60	21	35.5	K5		C8	7635	C -3610185
90	9.1	8.9W	25 52.147	-0.0041	09	-39 7 6.56	-0.073	09	0.22	52.207	15	35.5	5.50	21	35.5	G0		C8	7636	C -3810367
91	10.4	9.1W	25 53.676	-0.0049	21	-33 45 20.62	0.062	21	0.44	53.766	22	31.5	21.77	21	31.5	K2		C7	8013	C -3310540
92	9.7	9.3W	25 55.255	0.0081	21	-32 58 54.65	-0.032	21	0.44	55.106	22	31.5	54.06	21	31.5	G0		C7	8014	C -3210827
93	10.4	9.5W	26 1.338	0.0002	13	-36 50 24.21	-0.035	13	0.26	1.336	15	35.5	23.70	21	35.5	G5		C8	7638	C -3610193
94	10.1	9.7W	26 1.696	-0.0016	21	-32 38 13.05	-0.032	21	0.44	1.726	22	31.5	12.46	21	31.5	G0		C7	8015	C -3210829
95		6.6T	26 3.700	-0.0039	12	-38 27 44.82	-0.089	09	0.61	3.900	21	98.5	39.82	19	94.1	A5		GC	20802	C*-3810371
96	8.9	8.8W	26 5.165	-0.0009	13	-39 59 31.64	-0.044	13	0.26	5.178	15	35.5	31.00	21	35.5	F0		C8	7640	C -39 9907
97		10.2W	26 11.595	-0.0005	21	-31 15 41.37	0.036	21	0.44	11.604	22	31.5	42.03	21	31.5			C7	8016	C -3012267
98	8.8	8.8W	26 15.089	-0.0039	13	-35 13 50.39	-0.006	13	0.26	15.145	15	35.5	50.30	21	35.5	F5		C8	7641	C*-3410398
99	10.7	9.7W	26 15.960	-0.0068	21	-32 59 4.47	0.010	21	0.44	16.086	22	31.5	4.66	21	31.5	G5	L	C7	8017	C -3210831
100	10.3	10.0W	26 21.926	0.0010	21	-34 41 46.12	-0.056	21	0.44	21.907	22	31.5	45.08	21	31.5	F8	L	C7	8018	C -3410399

206700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 15H DM NUMBER
1	9.4	8.4W	15 26 28.781	0.0009	07	-39 57 52.47	0.023	07	0.21	28.768	15	35.5	52.80	21	35.5	K0	C8	7642	C -39 9912
2	10.7	10.1W	26 39.244	-0.0011	21	-31 53 54.73	-0.010	21	0.44	39.264	22	31.5	54.55	21	31.5		C7	8019	C -3111993
3		7.4T	26 51.568	-0.0043	15	-38 24 52.93	-0.051	14	0.75	51.774	22	01.8	50.33	21	99.3	A2	GC	20818	C -3810389
4	10.0	8.8W	27 9.246	-0.0001	13	-39 38 17.52	0.026	13	0.26	9.248	15	35.5	17.91	21	35.5	K0	C8	7646	C -39 9924
5	9.4	8.9W	27 10.863	0.0026	13	-37 13 0.73	-0.023	13	0.26	10.826	15	35.5	0.40	21	35.5	G0	C8	7647	C -3610217
6	9.2	7.8W	27 18.195	-0.0023	13	-39 44 1.17	-0.012	13	0.26	18.228	15	35.5	1.00	21	35.5	K0	C8	7648	C -39 9927
7	9.1	8.9W	27 18.478	-0.0019	18	-38 19 32.05	-0.038	18	0.32	18.506	15	35.5	31.50	21	35.5	F2	C8	7649	C -3810400
8	9.1	8.7W	27 19.308	0.0002	21	-32 7 56.09	-0.008	21	0.44	19.304	22	31.5	55.95	21	31.5	G5	C7	8020	C -3111999
9	7.8	8.0W	27 22.547	0.0008	12	-37 31 10.19	-0.082	12	0.25	22.536	15	35.5	9.00	21	35.5	A5	C8	7650	C -3710298
10	9.6	9.6W	27 23.059	-0.0005	13	-37 11 42.52	-0.022	13	0.26	23.066	15	35.5	42.21	21	35.5	A0	C8	7651	C -3610219
11	10.0	9.8W	27 26.859	0.0028	21	-34 21 29.26	0.006	21	0.44	26.806	22	31.5	29.37	21	31.5	G0 L	C7	8021	C -3410408
12	9.9	9.1W	27 29.094	-0.0044	21	-33 10 33.95	-0.021	21	0.44	29.176	22	31.5	33.56	21	31.5	G5	C7	8022	C -3210846
13		8.0T	27 29.436	-0.0017	13	-33 24 36.22	-0.022	10	0.62	29.520	16	00.1	35.05	18	96.8	K0	GC	20832	C -3310558
14	9.9	9.9W	27 33.766	-0.0015	21	-32 3 45.04	-0.054	21	0.44	33.794	22	31.5	44.05	21	31.5	G0	C7	8024	C -3112003
15	9.3	9.0W	27 41.821	-0.0011	10	-39 11 21.47	-0.012	10	0.23	41.837	15	35.5	21.30	21	35.5	F5	C8	7652	C -3810408
16	10.1	9.5W	27 42.041	-0.0038	13	-37 12 47.55	-0.038	13	0.26	42.096	15	35.5	47.00	21	35.5	G5	C8	7653	C -3610224
17	10.7	9.5W	27 49.146	-0.0010	21	-31 29 18.93	0.022	21	0.44	49.164	22	31.5	19.33	21	31.5	K L	C7	8025	C -3112005
18	8.0	8.0W	27 52.095	-0.0049	13	-35 28 9.78	-0.026	13	0.26	52.165	15	35.5	9.40	21	35.5	A3	C8	7654	C -3510344
19	10.2	9.5W	28 4.025	-0.0048	21	-31 51 53.84	0.027	21	0.44	4.114	22	31.5	54.34	21	31.5	K0	C7	8026	C -3112008
20		6.9T	28 8.163	-0.0019	12	-38 58.22	-0.018	10	0.61	8.258	18	98.9	57.25	18	96.4	A2	GC	20844K	C*-3310564
21	9.5	9.2W	28 9.901	-0.0052	18	-38 47 31.53	-0.030	18	0.32	9.977	15	35.5	31.10	21	35.5	G0	C8	7655	C -3810416
22			28 11.995	-0.0090	13	-36 57 22.27	-0.095	13	0.26	12.126	15	35.5	20.90	21	35.5	G8 L	C8	7656	C -3610237
23	10.7	10.3W	28 12.605	-0.0041	13	-35 54 59.49	-0.041	13	0.26	12.665	15	35.5	58.90	21	35.5	G2 L	C8	7657	C -3510348
24	10.8	10.2W	28 20.244	0.0000	21	-31 0 45.69	0.019	21	0.44	20.244	22	31.5	41.03	21	31.5		C7	8028	C -3012295
25	10.5	10.0W	28 25.602	-0.0078	13	-35 29 9.57	0.009	13	0.26	25.715	15	35.5	9.71	21	35.5	G0 L	C8	7658	C -3510354
26	10.2	10.1W	28 27.468	-0.0035	21	-30 4 39.66	0.008	21	0.44	27.532	22	31.5	39.81	21	31.5	F8 L	C7	8029	C -2911742
27		9.7W	28 28.477	-0.0048	13	-36 3 44.90	0.000	13	0.26	28.546	15	35.5	44.90	21	35.5	K2 L	C8	7659	C -3510353
28	10.4	8.7W	28 33.904	-0.0015	18	-37 28 37.22	-0.022	18	0.32	33.926	15	35.5	36.90	21	35.5	K2	C8	7660	C -3710310
29	9.0	8.1W	28 37.387	-0.0020	21	-32 27 17.21	0.023	21	0.44	37.425	22	31.5	17.65	21	31.5	K0	C7	8031	C -3210867
30	10.5	9.7W	28 37.927	-0.0026	21	-30 52 37.55	0.048	21	0.44	37.974	22	31.5	38.43	21	31.5	K0	C7	8032	C -3012302
31	10.0	9.0W	28 38.060	-0.0004	13	-35 22 37.56	-0.025	13	0.26	38.065	15	35.5	37.21	21	35.5	K0	C8	7661	C*-3510356
32	10.2	10.5W	28 40.140	-0.0025	13	-36 44 54.59	0.014	13	0.26	40.176	15	35.5	54.80	21	35.5	A0 L	C8	7662	C -3610244
33	10.4	9.7W	28 40.754	0.0000	21	-30 53 42.21	0.044	21	0.44	40.754	22	31.5	43.03	21	31.5	K0 L	C7	8033	C -3012303
34		6.6T	28 42.309	-0.0014	08	-32 42 42.27	-0.036	08	0.35	42.365	12	09.5	40.79	12	08.9	B8	GC	20852	C -3210868
35	10.1	9.6W	28 45.934	-0.0044	21	-32 47 57.42	0.002	21	0.44	46.016	22	31.5	57.46	21	31.5	G5	C7	8035	C -3210869
36		6.3T	28 48.462	-0.0023	15	-38 27 10.27	-0.092	10	0.68	48.571	22	01.9	5.25	21	95.7	A3	GC	20857	C -3810425
37		9.2T	29 6.959	-0.0028	22	-37 42 57.02	-0.036	22	1.05	7.062	24	05.7	55.32	22	03.2	A2	GC	20865	C -3710316
38	8.6	8.6W	29 12.439	0.0002	21	-33 6 35.89	0.020	21	0.44	12.436	22	31.5	36.26	21	31.5	A2	C7	8036	C -3210873
39	8.8	8.7W	29 14.393	-0.0028	21	-30 58 25.45	-0.034	21	0.44	14.444	22	31.5	24.83	21	31.5	A5	C7	8037	C -3012311
40		8.7R	29 14.616	-0.0022	17	-30 1 31.18	-0.010	17	0.32	14.653	16	33.4	31.01	16	33.4	A0 J	13B	9725	J -2911754
41		10.2W	29 15.026	-0.0042	21	-31 36 44.37	0.020	21	0.44	15.104	22	31.5	44.75	21	31.5	K0 L	C7	8038	C -3112027
42		7.6T	29 15.701	-0.0011	12	-37 54 8.86	-0.042	12	0.64	15.755	18	00.2	6.61	21	96.8	A0	GC	20868	C -3710319
43	10.8	10.3W	29 22.671	-0.0030	13	-36 7 25.55	-0.031	13	0.26	22.715	15	35.5	25.10	21	35.5	G0 L	C8	7666	C -3510361
44	8.9	9.1W	29 34.855	-0.0006	21	-31 44 37.04	0.022	21	0.44	34.865	22	31.5	37.45	21	31.5	A0	C7	8039	C -3112033
45	9.9	9.4W	29 39.589	-0.0058	21	-33 47 37.53	-0.036	21	0.44	39.696	22	31.5	36.87	21	31.5	G5	C7	8040	C -3310579
46	10.3	10.1W	29 43.470	-0.0014	21	-33 22 20.28	-0.077	21	0.44	43.496	22	31.5	18.86	21	31.5	F5 L	C7	8041	C -3310580
47	10.0	8.9W	29 51.735	-0.0043	10	-38 55 53.57	-0.012	10	0.23	51.797	15	35.5	53.40	21	35.5	K0	C8	7667	C -3810440
48		9.8W	29 53.581	-0.0058	13	-35 28 18.21	-0.035	13	0.26	53.665	15	35.5	17.70	21	35.5		C8	7668	C -3510365
49	9.7	9.7W	29 55.452	-0.0035	21	-33 57 57.73	0.013	21	0.44	55.517	22	31.5	57.97	21	31.5	A2	C7	8042	C -3310583
50	10.2	9.9W	29 56.059	-0.0025	18	-38 6 24.18	-0.040	18	0.32	56.096	15	35.5	23.60	21	35.5	F8 L	C8	7669	C -3710330
51		9.9W	15 29 56.071	-0.0045	13	-36 14 13.57	0.009	13	0.26	56.135	15	35.5	13.70	21	35.5	K0 L	C8	7670	C -3510367
52	10.1	8.3W	30 15.729	0.0008	13	-39 17 31.13	-0.001	13	0.26	15.717	15	35.5	31.11	21	35.5	K2	C8	7671	C -39 9966
53	10.0	9.8W	30 21.262	-0.0087	21	-30 3 21.67	0.006	21	0.44	21.422	22	31.5	21.78	21	31.5	G	C7	8043	C -2911767
54	8.1	8.0W	30 22.353	-0.0018	21	-34 11 30.01	-0.009	21	0.44	22.386	22	31.5	29.85	21	31.5	A2	C7	8044	C -3310590
55	10.8	9.9W	30 22.911	0.0010	21	-30 58 25.12	-0.006	21	0.44	22.893	22	31.5	25.01	21	31.5	K0 L	C7	8045	C -3012329
56	10.0	8.3W	30 23.231	-0.0008	21	-33 1 24.59	-0.041	21	0.44	23.245	22	31.5	23.84	21	31.5	K2	C7	8046	C -3210887
57	10.8	9.1W	30 32.146	-0.0033	13	-35 11 53.26	-0.031	13	0.26	32.194	15	35.5	52.81	21	35.5	K0 L	C8	7674	C -3410438
58	9.1	7.5W	30 32.186	0.0007	06	-37 28 20.45	-0.030	06	0.20	32.176	15	35.5	20.01	21	35.5	MA	C8	7673	C -3710338
59	9.4	9.3W	30 35.767	-0.0065	21	-31 51 52.68	-0.035	21	0.44	35.924	22	31.5	52.02	21	31.5	G0	C7	8047	C -3112047
60	10.6	10.0W	30 36.112	-0.0022	21	-31 23 31.78	-0.015	21	0.44	36.153	22	31.5	31.51	21	31.5	G2 L	C7	8048	C -3112048
61	10.1	8.6W	30 41.567	-0.0006	13	-37 53 49.05	0.018	13	0.26	41.575	15	35.5	49.31	21	35.5	K0	C8	7675	C -3710339
62	9.8	8.6W	30 42.072	-0.0013	21	-33 12 33.01	0.012	21	0.44	42.095	22	31.5	33.24	21	31.5	K0	C7	8049	C -3210892
63		5.9T	30 43.200	-0.0048	15	-39 53 54.96	-0.028	13	0.72	43.429	21	01.9	53.55	19	98.8	M0	GC	20901	C -39 9970
64		7.8T	30 48.434	-0.0158	12	-30 51 5.01	-0.035	09	0.57	49.226	19	99.8	3.09	19	95.8	G5	GC	20905	C -3012336
65	10.1	10.0W	30 51.850	-0.0061	21	-31 22 6.16	-0.041	21	0.44	51.963	22	31.5	5.40	21	31.5	F8 L	C7	8051	C -3112052
66	10.2	9.9W	30 53.234	0.0020	21	-33 34 20.52	0.093	21	0.44	53.196	22	31.5	22.25	21	31.5	G0 L	C7	8052	C -3310592
67	10.1	9.1W	30 59.087	-0.0001	13	-39 35 18.37	-0.011	13	0.26	59.088	15	35.5	18.21	21	35.5	K0	C8	7677	C -39 9975
68		7.1T	31 1.609	-0.0027	13	-33 0 13.59	-0.019	12	0.68	1.749	19	99.0	12.59	18	96.5	A0	GC	20910	C -3210898
69		6.5T	31 3.477	-0.0025	13	-39 10 54.99	-0.050	11	0.64	3.599	21	00.3	52.36	19	96.9	B9	GC	20911	C -3810464
70		10.2W	31 5.530	-0.0039	13	-37 2 31.07	-0.052	13	0.26	5.586	15	35.5	30.31	21	35.5	G8 L	C8	7679	C -3610275
71	9.7	9.6W	31 6.515	-0.0147	21	-33 46 26.50	0.078	21	0.44	6.786	22	31.5	27.94	21	31.5		C7	8054	C -3310593
72	10.7	9.5W	31 8.154	-0.0043	13	-37 10 28.27	-0.025	13	0.26	8.216	15	35.5	27.91	21	35.5	K1 L	C8	7680	C -3610276
73			31 10.102	-0.0017	13	-36 49 53.75	-0.023	13	0.26	10.126	15	35.5	53.41	21	35.5		C8	7681	C -3610278
74	10.5	10.2W	31 11.067	-0.0048	21	-33 28 41.93	0.000	21	0.44	11.175	22	31.5	41.94	21	31.5	F2 L	C7	8055	C -3310594
75	9.7	8.4W	31 12.570	0.0002	13	-38 57 5.85	-0.037	13	0.26	12.567	15	35.5	5.31	21	35.5	K2	C8	7682	C -3810468
76	10.3	9.1W	31 12.959	-0.0019	13	-37 14 26.34	-0.016	13	0.26	12.986	15	35.5	26.11	21	35.5	K0	C8	7683	C -3610279
77	9.3	8.2W	31 13.795	0.0005	21	-32 46 30.04	0.005	21	0.44	13.785	22	31.5	30.14	21	31.5	K0	C7	8056	C -3210902
78	10.2	9.5W	31 14.787	-0.0030	21	-30 36 48.99	0.055	21	0.44	14.843	22	31.5	50.01	21	31.5	K0	C7	8057	C -3012340
79			31 42.815	0.0027	14	-36 49 16.46	-0.045	14	0.27	42.776	15	35.5	15.81	21	35.5	A2 L	C8	7686	C -3610281
80	10.7	9.1W	31 56.962	-0.0008	21	-34 4 11.16	-0.017	21	0.44	56.976	22	31.5	10.85	21	31.5	K L	C7	8058	C -3310600
81	10.1	9.9W	31 58.853	-0.0009	18	-38 23 2.01	-0.055	18	0.32	58.865	15	35.5	1.21	21	35.5	A0	C8	7687	C -3810481
82		9.7W	32 4.973	-0.0061	21	-34 37 17.77	-0.050	21	0.44	5.087	22	31.5	16.86	21	31.5		C7	8059	C -3410452
83	10.2	9.3W	32 7.569	0.0008	21	-32 14 57.72	0.022	21	0.44	7.554	22	31.5	58.12	21	31.5	K0	C7	8060	C -3112071
84	9.6	9.5W	32 14.979	-0.0012	13	-36 59 40.63	0.033	13	0.26	14.996	15	35.5	41.11	21	35.5	A0	C8	7688	C -3610286
85	10.1	8.7W	32 21.049	-0.0035	21	-31 43 22.14	-0.017	21	0.44	21.114	22	31.5	21.82	21	31.5	K2	C7	8061	C -3112073
86	10.6	9.8W	32 23.801	-0.0079	21	-34 6 15.47	-0.007	21	0.44	23.946	22	31.5	15.34	21	31.5	G0 L	C7	8062	C -3310601
87	9.3	8.9W	32 23.868	-0.0130	07	-37 18 4.22	-0.249	07	0.21	24.056	15	35.5	0.61	21	35.5	G5	C8	7689	C -3710358
88	9.9	10.0W	32 26.954	-0.0048	21	-31 24 8.61	-0.038	21	0.44	27.043	22	31.5	7.91	21	31.5	A5 L	C7	8063	C -3112076
89	10.5		32 33.844	-0.0021	21	-30 42 13.88	0.023	21	0.44	33.883	22	31.5	14.31	21	31.5	A0 L	C7	8064	C -3012362
90	10.3	9.5W	32 38.377	-0.0007	10	-39 18 33.14	-0.016	10	0.23	38.386	15	35.5	32.91	21	35.5	G5	C8	7690	C -3910009
91	10.8	9.4W	32 40.095	-0.0037	21	-31 48 55.12	-0.016	21	0.44	40.164	22	31.5	54.82	21	31.5	K L	C7	8065	C -3112078
92	9.5	9.8W	32 51.409	0.0008	13	-39 8 55.68	-0.039	13	0.26	51.397	15	35.5	55.11	21	35.5	A0	C8	7692	C -3810493
93			32 53.483	0.0068	13	-35 27 41.83	-0.112	13	0.26	53.384	15	35.5	40.21	21	35.5	F0 L	C8	7693	C -3510389
94	8.7	8.5W	32 58.367	-0.0014	18	-38 40 51.27	-0.052	18	0.32	58.386	15	35.5	50.51	21	35.5	F8	C8	7694	C -3810497
95		6.3T	33 2.718	-0.0012	12	-32 55 38.63	-0.020	12	0.66	2.778	18	97.2	37.60	19	98.1	B9	GC	20954	C -3210930
96	10.0	9.5W	33 11.897	-0.0052	21	-30 24 47.43	0.008	21	0.44	11.992	22	31.5	47.58	21	31.5	K0	C7	8067	C -3012372
97	8.6	8.3W	33 13.162	-0.0086	08	-37 12 26.94	-0.064	08	0.22	13.286	15	35.5	26.01	21	35.5	F8	C8	7695	C -3610294
98	9.5	9.2W	33 18.244	-0.0001	21	-33 14 13.02	0.022	21	0.44	18.245	22	31.5	13.44	21	31.5	A0 L	C7	8068	C -3210932
99		10.0W	33 31.640	-0.0039	13	-37 6 46.98	-0.046	13	0.26	31.696	15	35.5	46.31	21	35.5	G2 L	C8	7696	C -3610297
00	11.0		33 32.734	-0.0007	18	-35 23 47.77	-0.059	18	0.32	32.744	15	35.5	46.91	21	35.5	A3 L	C8	7697	C -3510394

206800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER
1	7.9	8.0W	15 33 35.520	-0.0013	21	-32 28 19.52	-0.048	21	0.44	35.544	22	31.5	18.62	21	31.5	A0	C7	8069
2	9.1	8.8W	33 37.456	-0.0053	21	-32 25 1.06	-0.034	21	0.44	37.554	22	31.5	0.42	21	31.5		C7	8075
3	8.3	8.2W	33 37.544	-0.0015	18	-38 0 57.20	-0.006	18	0.32	37.565	15	35.5	57.11	21	35.5	F2	C8	7698
4	9.7	9.4W	33 39.977	-0.0059	21	-34 31 46.71	-0.014	21	0.44	40.087	22	31.5	46.45	21	31.5	G0 L	C7	8071
5	9.2	8.9W	33 46.723	-0.0030	13	-37 4 43.05	-0.044	13	0.26	46.766	15	35.5	42.41	21	35.5	F8	C8	7700
6	8.0	8.2W	33 50.252	-0.0045	21	-32 39 7.99	-0.014	21	0.44	50.335	22	31.5	7.74	21	31.5	A0	C7	8072
7	10.1	9.7W	33 55.136	-0.0101	21	-31 26 46.43	-0.001	21	0.44	55.323	22	31.5	46.41	21	31.5	G5 L	C7	8073
8	10.3	10.1W	33 58.714	-0.0162	21	-31 43 37.29	-0.014	21	0.44	59.014	22	31.5	37.02	21	31.5	G5 L	C7	8074
9	9.2	9.1W	34 4.677	-0.0007	13	-38 39 3.35	-0.051	13	0.26	4.687	15	35.5	2.61	21	35.5	A3	C8	7701
10	8.0	8.0W	34 9.517	-0.0047	21	-31 53 34.89	-0.036	21	0.44	9.604	22	31.5	34.22	21	31.5	F0	C7	8075
11	8.6	8.0W	34 14.063	-0.0016	13	-36 52 43.58	-0.005	13	0.26	14.086	15	35.5	43.51	21	35.5	F0	C8	7702
12		7.5T	34 17.172	-0.0007	18	-38 55 33.19	-0.034	17	0.83	17.201	24	05.3	31.64	24	03.9	K0	GC	20991
13	8.8	8.6W	34 19.850	-0.0067	21	-32 19 14.80	-0.020	21	0.44	19.974	22	31.5	14.42	21	31.5	F5	C7	8076
14	8.7	8.3W	34 20.397	-0.0003	21	-31 21 44.38	-0.074	21	0.44	20.403	22	31.5	43.00	21	31.5	G5	C7	8077
15	10.1	9.7W	34 21.655	-0.0083	09	-36 25 56.67	-0.052	09	0.22	21.775	15	35.5	55.91	21	35.5	G5	C8	7704
16	8.8	7.8W	34 29.797	-0.0054	10	-39 6 10.65	-0.051	10	0.23	29.876	15	35.5	9.91	21	35.5	K0	C8	7705
17	10.8	10.4W	34 37.859	-0.0053	13	-36 8 57.17	-0.018	13	0.26	37.935	15	35.5	56.91	21	35.5	F0 L	C8	7706
18	9.1	7.5W	34 39.181	0.0009	06	-39 56 44.33	-0.008	06	0.20	39.167	15	35.5	44.21	21	35.5	M8	C8	7707
19	9.1	8.2W	34 42.738	-0.0033	06	-38 47 19.56	-0.038	06	0.20	42.787	15	35.5	19.01	21	35.5	K0	C8	7709
20	9.2	8.2W	34 43.621	0.0009	10	-39 41 44.24	-0.009	10	0.23	43.608	15	35.5	44.11	21	35.5	K0	C8	7710
21		7.5T	34 44.932	-0.0067	12	-31 5 19.29	-0.019	08	0.57	45.259	19	01.0	18.22	19	94.7	F5	GC	21002K
22	9.3	9.2W	34 55.252	-0.0004	10	-39 47 5.20	-0.013	10	0.23	55.258	15	35.5	5.01	21	35.5	F8	C8	7711
23	10.7	10.0W	34 57.013	-0.0054	21	-30 6 11.32	0.025	21	0.44	57.112	22	31.5	11.78	21	31.5	G2 L	C7	8079
24	10.1	8.5W	34 59.044	-0.0039	21	-34 7 12.98	0.014	21	0.44	59.116	22	31.5	13.24	21	31.5	K5	C7	8080
25	10.3	9.8W	35 10.524	-0.0022	18	-37 20 37.52	-0.049	18	0.32	10.556	15	35.5	36.81	21	35.5	G0	C8	7712
26		6.6T	35 14.861	-0.0028	12	-38 59 51.02	-0.025	11	0.65	15.007	19	97.2	49.67	19	95.3	B9	GC	21012
27		6.0T	35 24.415	0.0019	13	-38 57 55.06	-0.011	12	0.68	24.318	18	00.0	54.48	19	95.6	A3	GC	21015K
28	10.5	8.8W	35 30.271	0.0010	18	-38 11 53.04	0.005	18	0.32	30.256	15	35.5	53.11	21	35.5	K5	C8	7715
29	10.4	10.2W	35 36.266	0.0002	21	-30 11 39.39	-0.006	21	0.44	36.262	22	31.5	39.28	21	31.5	F8 L	C7	8081
30	10.4	10.2W	35 45.619	0.0052	21	-30 38 7.61	-0.000	21	0.44	45.523	22	31.5	7.60	21	31.5	G0 L	C7	8082
31	9.2	8.2W	35 48.556	-0.0016	21	-32 38 38.14	0.010	21	0.44	48.585	22	31.5	38.34	21	31.5	K0	C7	8083
32		10.1W	35 49.636	0.0008	13	-35 26 8.02	0.117	13	0.26	49.624	15	35.5	9.71	21	35.5	G5 L	C8	7717
33	8.5	8.7W	35 50.589	0.0028	13	-39 50 39.32	-0.021	13	0.26	50.548	15	35.5	39.01	21	35.5	A0	C8	7718
34	10.6	10.3W	35 58.206	-0.0141	21	-33 34 16.39	-0.019	21	0.44	58.466	22	31.5	16.04	21	31.5	G5 L	C7	8084
35	10.3	9.1W	35 58.374	-0.0070	08	-35 50 54.47	-0.004	08	0.22	58.475	15	35.5	54.41	21	35.5	G5	C8	7719
36	10.6	9.6W	36 2.312	-0.0012	21	-32 16 14.81	-0.004	21	0.44	2.334	22	31.5	14.72	21	31.5		C7	8085
37	9.0	8.7W	36 13.851	-0.0019	21	-34 37 7.87	0.015	21	0.44	13.887	22	31.5	8.15	21	31.5	G0	C7	8086
38	10.3	9.9W	36 15.809	0.0008	21	-31 45 21.58	-0.057	21	0.44	15.794	22	31.5	20.52	21	31.5	G5 L	C7	8087
39	8.7	8.5W	36 16.024	-0.0068	21	-34 28 14.91	-0.020	21	0.44	16.186	22	31.5	14.55	21	31.5	F5	C7	8088
40	10.2	10.1W	36 21.957	-0.0036	21	-31 46 57.10	-0.047	21	0.44	22.024	22	31.5	56.22	21	31.5	A0 L	C7	8089
41	9.3	9.2W	36 29.726	-0.0031	21	-31 42 32.31	0.001	21	0.44	29.784	22	31.5	32.32	21	31.5	F8	C7	8090
42	9.1	8.6W	36 32.124	-0.0082	21	-32 48 51.35	0.015	21	0.44	32.275	22	31.5	51.64	21	31.5	G5	C7	8091
43		4.6T	36 35.033	0.0013	04	-34 15 0.34	-0.004	04	0.23	34.970	09	99.8	0.15	09	99.7	K0	GC	21042
44	8.9	8.4W	36 38.307	0.0001	13	-36 16 26.42	0.006	13	0.26	38.305	15	35.5	26.51	21	35.5	G0	C8	7722
45	9.1	8.9W	36 39.511	-0.0006	21	-30 46 28.63	0.004	21	0.44	39.523	22	31.5	28.71	21	31.5	G5	C7	8093
46	8.9	8.8W	36 41.740	-0.0063	21	-34 29 41.12	-0.015	21	0.44	41.856	22	31.5	40.85	21	31.5	F2	C7	8094
47	8.2	7.9W	36 45.405	-0.0007	13	-36 0 37.22	-0.028	13	0.26	45.415	15	35.5	36.81	21	35.5	F2	C8	7723
48	10.9	9.7W	36 50.175	-0.0020	13	-35 29 54.61	-0.014	13	0.26	50.204	15	35.5	54.81	21	35.5	G8 L	C8	7724
49	8.4	8.3W	36 52.731	-0.0001	21	-31 13 28.01	-0.011	21	0.44	52.733	22	31.5	27.81	21	31.5	A3	C7	8095
50	8.9	8.2W	36 52.922	0.0024	14	-38 32 52.79	-0.019	14	0.27	52.886	15	35.5	52.51	21	35.5	G5	C8	7725
51	10.2	9.9W	15 36 53.248	-0.0019	13	-35 32 21.36	-0.052	13	0.26	53.275	15	35.5	20.61	21	35.5	G0	C8	7726
52	9.9	8.2W	36 54.379	-0.0033	13	-39 13 45.51	-0.055	13	0.26	54.427	15	35.5	44.71	21	35.5	K2	C8	7727
53	11.0	9.9W	36 57.120	-0.0059	13	-35 39 40.69	-0.109	13	0.26	57.205	15	35.5	39.11	21	35.5	G5 L	C8	7730
54	10.4	9.5W	37 0.587	0.0022	21	-33 53 35.62	-0.053	21	0.44	0.546	22	31.5	34.64	21	31.5	G2 L	C7	8096
55	9.6	9.1W	37 0.989	-0.0046	13	-38 37 11.46	-0.079	13	0.26	1.056	15	35.5	10.31	21	35.5	G5	C8	7731
56	9.4	9.3W	37 5.435	-0.0031	21	-30 34 24.62	0.032	21	0.44	5.493	22	31.5	25.21	21	31.5	F2 L	C7	8097
57	10.1	9.6W	37 7.458	-0.0033	18	-37 10 58.19	-0.061	18	0.32	7.506	15	35.5	57.31	21	35.5	G0	C8	7732
58		6.5T	37 8.948	-0.0047	09	-31 3 7.96	-0.023	08	0.50	9.197	17	96.8	6.68	15	95.4	K2	GC	21055
59	9.4	9.4W	37 21.042	-0.0051	21	-34 5 0.87	0.009	21	0.44	21.136	22	31.5	1.05	21	31.5	A0	C7	8099
60	8.7	8.7W	37 25.611	-0.0019	09	-39 55 20.34	-0.016	09	0.22	25.638	15	35.5	20.11	21	35.5	A0	C8	7735
61	9.6	9.5W	37 30.583	-0.0033	21	-32 4 41.10	-0.020	21	0.44	30.644	22	31.5	40.72	21	31.5	F0 L	C7	8100
62	10.2	9.5W	37 31.501	-0.0023	21	-32 6 51.74	-0.033	21	0.44	31.544	22	31.5	51.12	21	31.5		C7	8101
63		7.6T	37 35.017	-0.0070	16	-35 15 56.50	-0.065	13	0.73	35.349	18	02.5	53.12	18	00.8	A5	GC	21067
64	9.4	8.7W	37 36.873	-0.0104	21	-32 42 15.33	-0.135	21	0.44	37.065	22	31.5	12.84	21	31.5	K0	C7	8102
65		10.2W	37 41.238	-0.0062	21	-31 13 43.46	-0.046	21	0.44	41.353	22	31.5	42.61	21	31.5		C7	8103
66	9.4	8.3W	37 45.899	0.0002	21	-32 59 7.55	-0.001	21	0.44	45.895	22	31.5	7.54	21	31.5	K2	C7	8104
67		6.7T	37 47.378	0.0016	12	-39 49 17.90	-0.037	11	0.65	47.295	19	99.0	15.95	18	96.6	F5	GC	21072K
68	8.8	8.7W	37 59.987	-0.0004	21	-32 29 34.40	-0.009	21	0.44	59.994	22	31.5	34.22	21	31.5	A5	C7	8105
69	10.5	9.7W	38 4.942	-0.0060	21	-30 18 26.55	0.061	21	0.44	5.052	22	31.5	27.68	21	31.5	K5 L	C7	8106
70	9.9	9.5W	38 10.472	-0.0003	18	-38 4 59.88	-0.005	18	0.32	10.475	15	35.5	59.81	21	35.5	F8	C8	7740
71	9.5	8.5W	38 13.486	0.0018	21	-31 29 45.91	-0.027	21	0.44	13.453	22	31.5	45.41	21	31.5	K5	C7	8107
72	10.5	9.8W	38 18.393	-0.0050	21	-32 52 58.98	-0.030	21	0.44	18.485	22	31.5	58.44	21	31.5	K0	C7	8108
73	8.9	8.5W	38 19.302	-0.0006	21	-31 2 1.96	-0.073	21	0.44	19.313	22	31.5	0.61	21	31.5	K0	C7	8109
74	10.2	9.6W	38 22.998	-0.0088	09	-36 15 32.43	-0.084	09	0.22	23.125	15	35.5	31.21	21	35.5	G0	C8	7741
75	8.5	8.2W	38 34.234	-0.0009	13	-39 19 9.30	-0.006	13	0.26	34.247	15	35.5	9.21	21	35.5	A3	C8	7742
76	8.5	8.3W	38 37.006	-0.0015	21	-31 41 13.37	0.014	21	0.44	37.034	22	31.5	13.62	21	31.5	F5	C7	8110
77	8.5	8.4W	38 41.369	-0.0047	21	-34 43 44.76	-0.022	21	0.44	41.457	22	31.5	44.35	21	31.5	F2	C7	8111
78	10.8	9.7W	38 44.205	-0.0070	18	-37 26 5.36	-0.079	18	0.32	44.306	15	35.5	4.21	21	35.5	G5	C8	7743
79	10.2	9.3W	38 53.243	-0.0016	21	-30 33 51.61	-0.000	21	0.44	53.273	22	31.5	51.61	21	31.5	K0	C7	8112
80	11.4	9.9W	39 4.914	-0.0028	13	-35 9 31.20	-0.006	13	0.26	4.954	15	35.5	31.11	21	35.5	K0 L	C8	7744
81		10.0W	39 7.083	-0.0043	21	-30 47 25.38	-0.020	21	0.44	7.163	22	31.5	25.01	21	31.5		C7	8113
82	11.2	10.9W	39 7.806	-0.0041	18	-35 45 41.75	-0.065	18	0.32	7.865	15	35.5	40.81	21	35.5	A5 L	C8	7745
83	10.6	8.9W	39 9.319	-0.0012	13	-36 52 3.14	-0.043	13	0.26	9.336	15	35.5	2.51	21	35.5	K5	C8	7746
84	10.2	9.4W	39 10.130	-0.0003	21	-33 20 10.86	-0.007	21	0.44	10.135	22	31.5	10.74	21	31.5	G5	C7	8114
85	10.1	9.5W	39 11.315	-0.0021	21	-31 57 23.56	-0.034	21	0.44	11.354	22	31.5	22.92	21	31.5	G5	C7	8115
86	8.5	8.4W	39 16.566	-0.0055	08	-35 36 4.34	-0.057	08	0.22	16.645	15	35.5	3.51	21	35.5	F0	C8	7747
87		5.3T	39 22.827	-0.0043	05	-37 15 57.64	-0.021	05	0.23	23.001	09	09.1	56.74	09	06.3	K0	GC	21103
88	10.2	9.3W	39 26.979	-0.0046	21	-31 46 9.16	0.036	21	0.44	27.064	22	31.5	9.82	21	31.5	K0	C7	8116
89		4.8T	39 29.406	-0.0017	05	-34 33 5.21	-0.032	05	0.28	29.486	10	01.6	3.63	12	00.7	B5	GC	21106
90		9.3R	39 30.593	-0.0064	20	-30 20 8.61	-0.004	20	0.36	30.699	16	33.4	8.54	16	33.4	G5 J	13B	9832
91	9.9	9.6W	39 30.872	-0.0060	21	-30 19 59.23	-0.035	21	0.44	30.982	22	31.5	58.58	21	31.5	G5	C7	8118
92		7.4T	39 31.916	-0.0007	13	-32 1 37.93	-0.003	12	0.67	31.949	18	00.3	37.79	18	98.7	B8	GC	21107
93		10.0W	39 41.519	-0.0058	21	-34 36 40.94	0.006	21	0.44	41.627	22	31.5	41.05	21	31.5		C7	8120
94	10.2	10.0W	39 44.220	-0.0032	13	-36 52 41.84	-0.016	13	0.26	44.266	15	35.5	41.61	21	35.5	A3	C8	7750
95	8.8	8.7W	39 45.596	-0.0027	21	-34 32 16.02	-0.031	21	0.44	45.647	22	31.5	15.46	21	31.5	A0	C7	8121
96	9.0	8.8W	39 54.557	-0.0020	13	-37 45 35.86	-0.031	13	0.26	54.586	15	35.5	35.41	21	35.5	F5	C8	7751
97	9.9	9.2W	39 57.487	-0.0047	21	-32 17 53.10	-0.009	21	0.44	57.574	22	31.5	52.92	21	31.5	G5	C7	8122
98	9.6	9.5W	39 58.789	-0.0018	21	-30 55 56.55	0.052	21	0.44	58.823	22	31.5	57.50	21	31.5	F0	C7	8123
99	9.5	9.2W	40 1.934	-0.0017	21	-33 11 34.14	0.021	21	0.44	1.965	22	31.5	34.54	21	31.5	F8	C7	8124
00	10.3	9.6W	40 2.246	-0.0036	21	-31 6 11.99	0.028	21	0.44	2.313	22	31.5	12.51	21	31.5	K0 L	C7	8125

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-30° 15H

206900 — EPOCH 1950 — ORIGINAL EPOCH — -30° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.7	8.5W	15 40 4.727	-0.0053	21	-35 5 5.35	-0.046	21	0.44	4.624	22	31.5	4.50	21	31.5	F2	C7	8126	C -3410499
2	10.9	9.4W	40 5.729	-0.0018	21	-31 26 19.37	0.013	21	0.44	5.763	22	31.5	19.61	21	31.5	K5 L	C7	8127	C -3112199
3	10.1	9.6W	40 11.787	-0.0020	13	-38 48 9.03	-0.056	13	0.26	11.816	15	35.5	8.21	21	35.5	F8	C8	7754	C -3810607
4	8.3	7.4W	40 15.470	-0.0068	21	-33 14 52.00	-0.020	21	0.44	15.595	22	31.5	51.63	21	31.5	K0	C7	8128	C -3310664
5	10.4	8.5W	40 18.176	0.0021	08	-37 0 42.73	-0.036	08	0.22	18.146	15	35.5	42.21	21	35.5	M8	C8	7755	C -3610360
6		7.4T	40 20.305	0.0010	11	-30 22 37.54	-0.013	09	0.56	20.251	18	97.0	36.80	17	93.1	A0	GC	21121	C*-3012484
7	9.6	9.5W	40 20.656	-0.0037	21	-31 50 57.67	0.014	21	0.44	20.724	22	31.5	57.92	21	31.5	F0	C7	8130	C -3112207
8	9.1	9.2W	40 20.792	-0.0045	21	-33 19 39.72	0.022	21	0.44	20.875	22	31.5	40.14	21	31.5	A0	C7	8131	C -3310666
9	10.0	9.5W	40 29.943	-0.0035	21	-34 51 32.82	-0.031	21	0.44	30.007	22	31.5	32.26	21	31.5	A2	C7	8132	C -3410504
10	7.5	7.7W	40 30.999	-0.0006	07	-39 18 12.39	-0.033	07	0.21	31.007	15	35.5	11.91	21	35.5	A0	C8	7756	C -3910116
11	10.7	8.9W	40 31.974	-0.0015	14	-37 9 28.26	-0.031	14	0.27	31.996	15	35.5	27.81	21	35.5	K5	C8	7758	C -3610361
12	9.4	9.2W	40 34.759	-0.0084	13	-35 19 2.60	-0.034	13	0.26	34.794	15	35.5	2.11	21	35.5	F8	C8	7759	C -3510466
13	9.2	8.7W	40 38.281	-0.0025	08	-39 19 28.71	-0.048	08	0.22	38.317	15	35.5	28.01	21	35.5	G0	C8	7760	C -3910118
14	9.7	9.5W	40 39.054	-0.0014	13	-35 12 17.01	-0.034	13	0.26	39.074	15	35.5	16.51	21	35.5	F5	C8	7761	C -3410506
15	10.7	10.4W	40 40.887	-0.0014	18	-38 59 58.12	-0.035	18	0.32	40.907	15	35.5	57.61	21	35.5		C8	7762	C -3810616
16	9.8	9.5W	40 43.810	-0.0066	13	-36 8 20.82	-0.049	13	0.26	43.905	15	35.5	20.11	21	35.5	G0	C8	7763	C -3510468
17	9.9	8.7W	40 53.447	-0.0041	21	-30 53 57.73	0.015	21	0.44	53.523	22	31.5	58.01	21	31.5	K2	C7	8133	C -3012488
18	9.3	7.8W	40 55.258	-0.0030	21	-32 9 44.33	-0.011	21	0.44	55.314	22	31.5	44.12	21	31.5	K5	C7	8134	C -3112214
19		6.8T	40 56.509	0.0010	09	-31 26 41.28	-0.079	08	0.50	56.454	15	96.5	36.79	15	93.4	K0	GC	21136	C -3112215
20		7.5T	41 0.698	-0.0084	16	-30 33 13.16	0.040	16	0.81	0.814	19	01.6	15.11	19	00.5	K2	GC	21140	C -3012489
21	10.5	9.6W	41 1.814	0.0033	21	-30 36 38.70	0.006	21	0.44	1.753	22	31.5	38.81	21	31.5		C7	8137	C -3012490
22	10.3	8.3W	41 4.251	-0.0030	13	-35 7 18.64	0.005	13	0.26	4.294	15	35.5	18.71	21	35.5	K5	C8	7764	C -3410510
23	10.3	10.5W	41 13.544	-0.0015	18	-38 14 45.56	-0.038	18	0.32	13.565	15	35.5	45.01	21	35.5	A0	C8	7765	C -3810623
24	8.9	8.9W	41 15.958	-0.0019	21	-30 2 35.15	0.007	21	0.44	15.992	22	31.5	35.28	21	31.5	A3	C7	8138	C -2911911
25	11.4	9.8W	41 24.717	-0.0013	18	-37 58 56.38	0.002	18	0.32	24.735	15	35.5	56.41	21	35.5	K0	C8	7766	C -3710467
26		8.3T	41 24.869	-0.0016	17	-37 10 47.66	-0.072	12	0.73	24.942	19	03.1	43.99	18	98.7	F2	GC	21153	C -3610373
27	10.2	9.5W	41 34.205	-0.0042	21	-30 15 16.57	-0.005	21	0.44	34.282	22	31.5	16.48	21	31.5	K0	C7	8139	C -3012497
28		7.3T	41 40.355	0.0013	13	-30 31 46.70	-0.030	12	0.69	40.269	18	99.3	45.10	18	97.2	A0	GC	21156	C*-3012498
29	10.3	8.9W	41 44.041	0.0014	21	-33 27 52.27	-0.040	21	0.44	44.015	22	31.5	51.54	21	31.5	K5	C7	8141	C -3310680
30	10.0	9.7W	41 46.477	-0.0054	21	-34 2 29.37	-0.034	21	0.44	46.576	22	31.5	28.74	21	31.5	G0	C7	8142	C -3310681
31		7.7T	41 53.868	-0.0020	14	-34 56 41.92	0.003	13	0.70	53.963	18	01.3	42.08	18	99.4	A0	GC	21159K	C*-3410514
32	9.7	8.6W	41 56.021	0.0014	21	-33 19 37.34	-0.033	21	0.44	55.995	22	31.5	36.74	21	31.5	K2	C7	8144	C -3310683
33	9.4	9.1W	41 56.124	-0.0017	21	-32 40 24.22	-0.010	21	0.44	56.155	22	31.5	24.04	21	31.5	F5	C7	8145	C -3211064
34	9.8	9.2W	41 58.637	-0.0043	21	-33 59 52.06	-0.023	21	0.44	58.716	22	31.5	51.64	21	31.5	F5	C7	8146	C -3310684
35	8.2	8.5W	42 0.580	0.0001	13	-39 37 1.03	-0.008	13	0.26	0.578	15	35.5	0.91	21	35.5	A2	C8	7768	C -3910130
36	9.3	9.1W	42 1.434	-0.0009	10	-39 33 11.65	-0.044	10	0.23	1.448	15	35.5	11.01	21	35.5	A5	C8	7769	C -3910131
37	9.0	8.6W	42 9.312	-0.0010	18	-37 28 28.09	-0.033	18	0.32	9.326	15	35.5	27.61	21	35.5	F0	C8	7770	C -3710479
38	9.9	9.3W	42 19.037	-0.0030	21	-30 59 54.70	-0.048	21	0.44	19.093	22	31.5	53.80	21	31.5	G5	C7	8147	C -3012506
39	10.6	9.3W	42 21.733	-0.0040	21	-34 2 40.16	-0.012	21	0.44	21.806	22	31.5	39.94	21	31.5	K2 L	C7	8148	C -3310690
40	10.6	9.3W	42 22.577	-0.0020	13	-36 31 8.61	0.007	13	0.26	22.606	15	35.5	8.71	21	35.5	G5	C8	7771	C -3610381
41	10.0	9.3W	42 24.591	-0.0003	13	-36 9 33.25	-0.030	13	0.26	24.595	15	35.5	32.81	21	35.5	F5	C8	7772	C -3510482
42	10.6	9.5W	42 27.336	-0.0020	21	-30 42 34.22	0.037	21	0.44	27.373	22	31.5	34.91	21	31.5	K2 L	C7	8149	C -3012509
43	10.9	9.5W	42 28.229	-0.0052	13	-35 25 4.05	-0.023	13	0.26	28.304	15	35.5	3.71	21	35.5	G5 L	C8	7773	C -3510483
44	8.9	9.1W	42 31.386	0.0001	21	-31 48 12.29	0.013	21	0.44	31.384	22	31.5	12.52	21	31.5	A0	C7	8150	C -3112241
45	10.5	9.9W	42 32.970	-0.0039	21	-30 48 37.07	0.040	21	0.44	33.043	22	31.5	37.81	21	31.5	K0 L	C7	8151	C -3012511
46	10.1	9.4W	42 41.754	-0.0037	21	-30 11 29.84	-0.095	21	0.44	41.822	22	31.5	28.08	21	31.5	K0	C7	8152	C -2911931
47		10.3W	42 42.418	-0.0100	21	-30 49 19.67	0.051	21	0.44	42.603	22	31.5	20.61	21	31.5	G5 L	C7	8153	C -3012514
48	10.2	9.9W	42 47.063	-0.0094	21	-34 4 19.43	0.067	21	0.44	47.236	22	31.5	20.55	21	31.5	G0	C7	8154	C -3310693
49	10.1	9.0W	42 47.138	-0.0057	21	-31 51 41.96	-0.007	21	0.44	47.294	22	31.5	41.82	21	31.5	K2	C7	8155	C -3112247
50	9.9	9.5W	42 52.576	0.0006	18	-38 37 11.15	-0.090	18	0.32	52.567	15	35.5	10.71	21	35.5	F2	C8	7774	C -3810643
51	10.7	9.7W	15 42 52.824	-0.0036	13	-37 14 10.47	-0.025	13	0.26	52.876	15	35.5	10.11	21	35.5	G5	C8	7775	C -3610384
52	10.4	10.3W	42 56.678	-0.0127	21	-31 4 59.40	0.006	21	0.44	56.913	22	31.5	59.51	21	31.5	F0 L	C7	8156	C -3012518
53	10.6	10.2W	43 9.626	-0.0062	13	-36 52 35.06	-0.010	13	0.26	9.716	15	35.5	34.91	21	35.5	G0	C8	7777	C -3610388
54	9.8	9.6W	43 12.274	-0.0040	21	-34 55 34.86	-0.049	21	0.44	12.347	22	31.5	33.96	21	31.5	G2 L	C7	8157	C -3410522
55	8.5	8.2W	43 12.987	-0.0068	08	-35 43 34.58	-0.032	08	0.22	13.085	15	35.5	34.11	21	35.5	F5	C8	7778	C -3510494
56	10.6	9.6W	43 13.341	-0.0001	21	-30 44 33.72	-0.006	21	0.44	13.343	22	31.5	33.61	21	31.5	K2 L	C7	8158	C -3012522
57	10.0	9.8W	43 14.217	-0.0054	21	-33 44 28.48	0.041	21	0.44	14.316	22	31.5	29.25	21	31.5	G5	C7	8159	C -3310698
58	9.7	9.6W	43 19.867	-0.0074	21	-32 25 18.79	-0.106	21	0.44	20.004	22	31.5	16.82	21	31.5	F8	C7	8160	C -3211091
59	10.4	9.6W	43 21.347	-0.0019	21	-31 27 51.71	-0.027	21	0.44	21.383	22	31.5	51.20	21	31.5	G5	C7	8161	C -3112253
60	9.4	9.6W	43 22.730	0.0015	21	-30 30 11.62	0.037	21	0.44	22.703	22	31.5	12.31	21	31.5	A3	C7	8162	C -3012525
61	9.4	9.4W	43 31.175	-0.0037	21	-31 45 31.87	0.057	21	0.44	31.244	22	31.5	32.92	21	31.5	A0	C7	8163	C -3112256
62		5.6T	43 32.148	-0.0017	06	-34 31 39.35	-0.031	05	0.24	32.214	09	10.3	38.08	09	08.8	B8	GC	21188K	C*-3410524
63	8.6	8.5W	43 36.165	-0.0015	21	-30 44 11.07	0.045	21	0.44	36.193	22	31.5	11.90	21	31.5	F8	C7	8165	C -3012530
64		8.2T	43 36.218	-0.0020	18	-36 46 55.44	-0.028	17	0.84	36.308	19	04.0	54.16	19	03.6	A0	GC	21189	C -3610396
65	10.5	10.0W	43 39.233	-0.0033	21	-32 19 4.10	-0.031	21	0.44	39.294	22	31.5	3.52	21	31.5	K0 L	C7	8166	C -3211100
66	10.4	10.2W	43 40.459	-0.0045	21	-30 10 0.40	0.026	21	0.44	40.542	22	31.5	0.88	21	31.5	F8 L	C7	8167	C -2911944
67	10.5	8.6W	43 44.403	-0.0022	13	-36 25 42.89	0.015	13	0.26	44.435	15	35.5	43.11	21	35.5	K2	C8	7780	C -3610398
68		6.7T	43 51.186	-0.0015	13	-35 21 20.77	-0.028	12	0.68	51.261	19	99.7	19.28	18	96.2	B9	GC	21192K	C -3510503
69		6.9T	43 52.887	-0.0010	13	-35 21 48.21	-0.020	12	0.69	52.936	19	99.8	47.18	19	97.7	B9	GC	21195K	C -3510504
70	10.2	9.6W	43 55.175	-0.0010	21	-32 10 10.53	0.065	21	0.44	55.194	22	31.5	11.72	21	31.5	K0	C7	8168	C -3112263
71	8.8	8.5W	43 59.488	-0.0031	21	-33 7 55.53	0.016	21	0.44	59.545	22	31.5	55.84	21	31.5	G0	C7	8169	C -3211105
72	10.6	9.2W	44 3.147	-0.0013	13	-36 57 29.07	-0.018	13	0.26	3.166	15	35.5	28.81	21	35.5	G0	C8	7784	C -3610401
73	9.3	9.4W	44 3.957	0.0008	21	-30 38 36.30	0.033	21	0.44	3.943	22	31.5	36.91	21	31.5	A0	C7	8170	C -3012535
74	8.5	8.3W	44 6.560	-0.0051	21	-32 27 37.02	-0.016	21	0.44	6.654	22	31.5	36.72	21	31.5	F5	C7	8171	C*-3211109
75	10.3	10.1W	44 7.259	-0.0042	21	-34 23 40.97	-0.088	21	0.44	7.336	22	31.5	39.35	21	31.5	F8 L	C7	8172	C -3410525
76		6.1T	44 13.731	-0.0364	12	-37 45 34.74	-0.218	11	0.62	15.610	19	98.3	22.78	18	95.0	G0	GC	21205K	C*-3710500
77	10.5	9.5W	44 18.034	-0.0039	21	-33 31 0.02	0.028	21	0.44	18.106	22	31.5	0.55	21	31.5	K0	C7	8173	C -3310705
78	8.9	8.7W	44 18.859	-0.0025	21	-33 18 50.08	-0.073	21	0.44	18.905	22	31.5	48.74	21	31.5	F8	C7	8174	C -3310706
79	10.3	9.3W	44 19.516	-0.0055	13	-37 5 38.45	0.011	13	0.26	19.596	15	35.5	38.61	21	35.5	G5	C8	7788	C -3610408
80	11.3	10.9W	44 19.753	-0.0024	23	-38 53 43.22	-0.014	23	0.38	19.787	15	35.5	43.01	21	35.5	F0 L	C8	7789	C -3810658
81	10.5	10.0W	44 21.711	-0.0045	13	-36 56 57.35	0.004	13	0.26	21.776	15	35.5	57.41	21	35.5	F5	C8	7790	C -3610409
82	9.7	9.1W	44 26.386	0.0011	21	-32 58 28.55	0.037	21	0.44	26.365	22	31.5	29.24	21	31.5	G5	C7	8175	C -3211113
83	9.0	8.2W	44 31.587	0.0001	21	-32 34 58.13	-0.011	21	0.44	31.585	22	31.5	57.94	21	31.5	K0	C7	8176	C -3211114
84	8.1	8.1W	44 33.636	-0.0007	18	-38 6 21.63	-0.015	18	0.32	33.645	15	35.5	21.41	21	35.5	A2	C8	7792	C -3710502
85		9.6W	44 34.556	-0.0033	21	-34 20 57.78	-0.024	21	0.44	34.616	22	31.5	57.35	21	31.5		C7	8177	C -3410530
86	10.6	9.4W	44 36.244	-0.0040	21	-34 31 58.87	0.010	21	0.44	36.317	22	31.5	59.06	21	31.5	K2 L	C7	8178	C -3410531
87	9.9	8.9W	44 39.651	0.0010	13	-37 52 51.03	-0.008	13	0.26	39.635	15	35.5	50.91	21	35.5	G5	C8	7793	C -3710504
88	8.3	7.5W	44 41.324	-0.0066	21	-32 58 47.09	-0.014	21	0.44	41.445	22	31.5	46.84	21	31.5	K0	C7	8179	C -3211117
89	8.7	8.4W	44 41.458	0.0009	08	-35 33 55.57	-0.066	08	0.22	41.445	15	35.5	54.61	21	35.5	F5	C8	7794	C -3510510
90		10.9W	44 42.197	-0.0020	30	-38 52 58.12	-0.042	30	0.47	42.227	15	35.5	57.51	21	35.5		C8	7795	C -3810663
91		7.3T	44 44.708	0.0038	16	-37 31 18.74	-0.053	14	0.76	44.524	18	02.1	16.09	19	00.5	F0	GC	21216	C*-3710505
92	10.3	9.6W	44 51.921	-0.0012	21	-30 49 54.79	0.001	21	0.44	51.943	22	31.5	54.81	21	31.5	K0	C7	8180	C -3012542
93	9.7	8.7W	44 53.297	-0.0037	21	-33 20 33.85	-0.028	21	0.44	53.365	22	31.5	33.34	21	31.5	K2	C7	8181	C -3310714
94	10.1	9.7W	44 53.604	-0.0070	08	-35 52 32.79	-0.026	08	0.22	53.705	15	35.5	32.41	21	35.5	F5 L	C8	7797	C -3510514
95	9.5	8.1W	44 55.652	-0.0039	21	-32 5 8.05	-0.001	21	0.44	55.724	22	31.5	8.02	21	31.5	K5	C7	8182	C -3112282
96	9.6	9.3W	45 10.364	0.0022	21	-32 24 53.56	0.020	21	0.44	10.324	22	31.5	53.92	21	31.5	F5	C7	8183	C -3211127
97	9.6	9.3W	45 19.395	-0.0042	18	-37 10 14.27	-0.025	18	0.32	19.456	15	35.5	13.91	21	35.5	A0	C8	7798	C -3610421
98	9.4	8.4W	45 21.310	-0.0047	21	-34 14 47.29	-0.008	21	0.44	21.396	22	31.5	47.15	21	31.5	K0	C7	8184	C -3410537
99	9.6	9.4W	45 21.780	-0.0041	21	-34 35 37.28	0.020	21	0.44	21.857	22	31.5	37.66	21	31.5	F2	C7	8185	C -3410536
00	8.3	8.2W	45 21.880	-0.0029	21	-31 55 59.46	-0.018	21	0.44	21.934	22	31.5	59.12	21	31.5	F0	C7	8186	C -3112288

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.9	9.4W	15 45 28.267	-0.0035	13	-39 56 22.44	-0.023	13	0.26	28.317	15	35.5	22.11	21	35.5	G0	C8	7800	C -3910172
2	10.5	9.2W	45 30.843	-0.0022	21	-31 50 36.52	0.006	21	0.44	30.884	22	31.5	36.62	21	31.5	K2 L	C7	8187	C -3112295
3	10.2	8.2W	45 37.897	-0.0013	18	-38 27 36.67	-0.025	18	0.32	37.915	15	35.5	36.31	21	35.5	K5	C8	7803	C -3810672
4	9.8	9.5W	45 38.482	-0.0039	21	-31 39 42.31	0.012	21	0.44	38.554	22	31.5	42.52	21	31.5	G0	C7	8188	C -3112292
5	10.1	9.6W	45 41.666	-0.0014	13	-36 30 10.53	-0.015	13	0.26	41.686	15	35.5	10.31	21	35.5	G0	C8	7804	C -3610428
6	10.1	9.4W	45 56.072	-0.0028	21	-32 26 49.75	-0.012	21	0.44	56.124	22	31.5	49.52	21	31.5	K2	C7	8189	C -3211138
7	10.3	9.6W	45 56.828	-0.0025	21	-31 31 23.04	0.032	21	0.44	56.874	22	31.5	23.62	21	31.5	K0	C7	8190	C -3112300
8	9.5	9.4W	45 59.632	-0.0023	13	-35 52 34.98	-0.053	13	0.26	59.665	15	35.5	34.21	21	35.5	A0	C8	7806	C -3510526
9	10.6	10.4W	46 4.383	-0.0000	21	-31 14 0.88	0.126	21	0.44	4.383	22	31.5	3.21	21	31.5	G0 L	C7	8191	C -3112301
10	8.1	8.3W	46 7.762	0.0016	21	-30 3 26.94	-0.030	21	0.44	7.732	22	31.5	26.39	21	31.5	A2	C7	8192	C -2911984
11	9.3	9.5W	46 8.165	0.0006	13	-37 41 55.52	-0.035	13	0.26	8.155	15	35.5	55.01	21	35.5	A0	C8	7809	C -3710520
12	9.8	9.4W	46 11.706	-0.0027	21	-33 3 39.56	-0.061	21	0.44	11.755	22	31.5	38.44	21	31.5	G5	C7	8193	C -3211146
13	10.5	8.8W	46 19.100	-0.0017	13	-36 27 58.50	-0.020	13	0.26	19.125	15	35.5	58.21	21	35.5	K2	C8	7810	C -3610434
14	9.5	9.1W	46 20.998	-0.0033	13	-38 37 32.69	-0.054	13	0.26	21.046	15	35.5	31.91	21	35.5	F5	C8	7811	C -3810679
15	9.4	8.1W	46 22.682	0.0005	21	-30 55 15.10	-0.043	21	0.44	22.673	22	31.5	14.31	21	31.5	K2	C7	8194	C -3012565
16	9.5	9.1W	46 22.922	-0.0085	08	-35 43 25.09	0.029	08	0.22	23.045	15	35.5	25.51	21	35.5	F5	C8	7812	C -3510532
17	9.1	8.9W	46 24.380	0.0004	21	-31 6 32.65	-0.035	21	0.44	24.373	22	31.5	32.01	21	31.5	F2	C7	8195	C -3012566
18	9.4	9.3W	46 29.864	-0.0026	21	-30 5 41.11	0.047	21	0.44	29.912	22	31.5	41.99	21	31.5	F2	C7	8196	C -2911987
19	10.6	9.8W	46 31.277	-0.0081	21	-34 21 17.27	-0.045	21	0.44	31.426	22	31.5	16.45	21	31.5	G2 L	C7	8197	C -3410542
20		7.4T	46 33.378	-0.0001	14	-32 39 22.91	-0.021	13	0.71	33.385	17	00.2	21.87	18	00.0	B9	GC	21258	C*-3211150
21	9.5	8.6W	46 39.159	-0.0008	21	-31 58 51.88	0.019	21	0.44	39.174	22	31.5	52.22	21	31.5	K0	C7	8199	C -3112314
22	9.3	9.0W	46 46.114	-0.0009	10	-39 29 13.88	-0.039	10	0.23	46.127	15	35.5	13.31	21	35.5	F2	C8	7814	C -3910187
23	10.7	9.9W	46 48.597	-0.0040	13	-36 24 2.31	-0.007	13	0.26	48.655	15	35.5	2.21	21	35.5	K2	C8	7815	C -3610442
24	10.5	10.1W	46 48.974	-0.0022	18	-38 47 7.88	-0.053	18	0.32	49.006	15	35.5	7.11	21	35.5	G	C8	7816	C -3810685
25	9.5	9.7W	46 50.632	0.0003	21	-33 58 27.82	-0.015	21	0.44	50.626	22	31.5	27.54	21	31.5	A0	C7	8200	C -3310743
26	9.9	9.6W	46 51.838	-0.0008	21	-30 19 46.65	0.072	21	0.44	51.852	22	31.5	47.98	21	31.5	F5	C7	8201	C -3012572
27	10.7	10.2W	46 59.672	-0.0011	21	-31 16 20.47	0.029	21	0.44	59.693	22	31.5	21.01	21	31.5	G5 L	C7	8202	C -3112320
28	10.0	9.9W	47 2.720	-0.0032	08	-36 49 57.06	0.038	08	0.22	2.766	15	35.5	57.61	21	35.5	A0	C8	7817	C -3610447
29	10.0	9.3W	47 19.152	-0.0006	21	-31 23 7.17	-0.003	21	0.44	19.163	22	31.5	7.11	21	31.5	G5	C7	8203	C -3112328
30	10.6	9.5W	47 21.614	-0.0010	21	-31 4 6.54	0.036	21	0.44	21.633	22	31.5	7.21	21	31.5	K2 L	C7	8204	C -3012577
31	10.1	9.7W	47 26.016	-0.0112	21	-30 59 17.16	0.078	21	0.44	26.223	22	31.5	18.61	21	31.5	K0	C7	8205	C -3012579
32	9.2	8.8W	47 26.502	-0.0025	13	-39 42 20.84	-0.064	13	0.26	26.538	15	35.5	19.91	21	35.5	A2	C8	7819	C -3910194
33	10.6	9.8W	47 32.157	-0.0034	08	-36 49 23.53	-0.070	08	0.22	32.206	15	35.5	22.51	21	35.5	G5	C8	7820	C -3610460
34	8.6	8.5W	47 33.387	-0.0005	21	-33 30 46.13	-0.070	21	0.44	33.396	22	31.5	44.85	21	31.5	F2	C7	8206	C -3310751
35	10.6	10.1W	47 35.218	0.0040	21	-31 32 59.44	0.075	21	0.44	35.144	22	31.5	+ 0.82	21	31.5	K0 L	C7	8207	C -3112331
36	10.3	9.8W	47 36.020	-0.0025	13	-39 11 0.58	-0.039	13	0.26	36.057	15	35.5	0.01	21	35.5	A3	C8	7821	C -3810694
37	9.5	8.8W	47 36.140	-0.0023	21	-30 27 58.87	0.022	21	0.44	36.182	22	31.5	59.28	21	31.5	G5	C7	8208	C -3012581
38	9.4	9.4W	47 40.504	-0.0029	18	-37 42 38.36	-0.038	18	0.32	40.546	15	35.5	37.81	21	35.5	A0	C8	7822	C -3710537
39	8.5	8.5W	47 42.876	0.0027	21	-34 53 51.00	-0.035	21	0.44	42.827	22	31.5	50.35	21	31.5	F5	C7	8209	C -3410552
40		4.1H	47 46.468	-0.0007	02	-33 28 35.36	-0.032	02	0.08	46.493	05	14.2	34.31	04	17.5	B9	F4	586	C -3310754
41	10.4	8.9W	47 46.652	-0.0017	13	-37 36 38.63	-0.008	13	0.26	46.676	15	35.5	38.51	21	35.5	K0	C8	7823	C -3710539
42	10.2	9.3W	47 50.357	0.0024	21	-30 4 59.76	0.011	21	0.44	50.312	22	31.5	59.98	21	31.5	G5	C7	8211	C -2912012
43	9.4	9.1W	47 55.125	-0.0070	13	-37 2 43.09	-0.033	13	0.26	55.226	15	35.5	42.61	21	35.5	F5	C8	7824	C -3610464
44	9.9	9.7W	47 58.348	-0.0040	13	-36 59 52.01	-0.048	13	0.26	58.406	15	35.5	51.31	21	35.5	A3	C8	7825	C -3610465
45	8.6	9.0W	48 6.165	-0.0042	21	-31 21 26.41	0.027	21	0.44	6.243	22	31.5	26.90	21	31.5	B8	C7	8212	C -3112337
46	10.0	9.9W	48 12.238	-0.0089	21	-30 27 3.60	-0.012	21	0.44	12.402	22	31.5	3.38	21	31.5	F8	C7	8213	C -3012594
47	9.6	8.9W	48 17.028	-0.0004	21	-32 34 44.81	-0.037	21	0.44	17.035	22	31.5	44.14	21	31.5	K2	C7	8214	C -3211180
48	8.4	7.1W	48 18.394	-0.0022	18	-37 17 16.98	-0.030	18	0.32	18.426	15	35.5	17.41	21	35.5	K0	C8	7826	C -3710546
49	10.7	9.6W	48 22.059	-0.0036	21	-34 34 44.53	-0.026	21	0.44	22.127	22	31.5	44.05	21	31.5	K0 L	C7	8215	C -3410558
50		7.1T	48 22.368	-0.0012	13	-32 32 10.97	0.019	12	0.66	22.424	18	00.7	11.97	18	97.7	K0	GC	21290	C -3211182
51	10.7	8.9W	15 48 23.236	-0.0014	13	-38 0 31.50	-0.013	13	0.26	23.256	15	35.5	31.31	21	35.5	M8	C8	7827	C -3710548
52	8.8	8.2W	48 25.865	0.0001	21	-30 33 12.56	-0.019	21	0.44	25.863	22	31.5	12.21	21	31.5	G0	C7	8217	C -3012599
53	9.3	9.2W	48 26.500	-0.0004	10	-39 25 17.66	-0.017	10	0.23	26.507	15	35.5	17.41	21	35.5	B8	C8	7828	C -3910197
54	10.3	9.6W	48 30.581	-0.0060	21	-31 16 27.18	-0.058	21	0.44	30.693	22	31.5	26.11	21	31.5	K0	C7	8218	C -3112342
55	10.0	9.5W	48 31.426	-0.0014	13	-37 57 50.74	-0.009	13	0.26	31.445	15	35.5	50.61	21	35.5	G0	C8	7829	C -3710551
56	10.4	9.6W	48 31.601	0.0031	21	-32 17 20.52	-0.032	21	0.44	31.544	22	31.5	19.92	21	31.5	K0	C7	8219	C -3211186
57	9.6	9.7W	48 33.252	-0.0044	21	-31 48 51.87	-0.029	21	0.44	33.334	22	31.5	51.32	21	31.5	K0	C7	8220	C -3112343
58	9.8	9.0W	48 40.033	-0.0005	21	-31 4 34.48	0.023	21	0.44	40.043	22	31.5	34.91	21	31.5	K0	C7	8221	C -3012601
59	9.3	9.1W	48 43.990	-0.0025	09	-36 33 11.55	-0.058	09	0.22	44.026	15	35.5	10.71	21	35.5	A2	C8	7831	C -3610472
60	9.2	9.2W	48 46.746	-0.0092	21	-34 40 44.01	-0.030	21	0.44	46.917	22	31.5	43.46	21	31.5	F2	C7	8222	C -3410563
61	8.8	8.7W	48 52.146	-0.0043	08	-39 31 50.38	-0.053	08	0.22	52.207	15	35.5	49.61	21	35.5	A3	C8	7833	C -3910201
62	8.0	8.2W	48 58.668	-0.0020	13	-39 21 58.97	0.010	13	0.26	58.696	15	35.5	59.11	21	35.5	A2	C8	7834	C -3910202
63	10.6	10.1W	48 59.398	-0.0053	13	-36 5 36.85	-0.051	13	0.26	59.475	15	35.5	36.11	21	35.5	F5	C8	7835	C -3510547
64	10.7	10.1W	49 2.326	-0.0041	13	-39 0 37.09	-0.033	13	0.26	2.387	15	35.5	36.61	21	35.5	G0	C8	7836	C -3810709
65		7.6T	49 2.483	-0.0063	16	-33 58 17.60	-0.103	11	0.70	2.786	18	02.2	12.30	18	98.5	F5	GC	21309	C -3310768
66	10.6	9.3W	49 3.967	-0.0006	21	-32 55 48.39	-0.014	21	0.44	3.975	22	31.5	48.14	21	31.5	A2	C7	8224	C -3211195
67	10.8	10.0W	49 4.909	-0.0002	21	-30 56 52.21	-0.000	21	0.44	4.913	22	31.5	52.20	21	31.5	G5 L	C7	8225	C -3012609
68	10.0	9.5W	49 5.382	-0.0064	13	-36 8 57.04	0.026	13	0.26	5.475	15	35.5	57.41	21	35.5	F0	C8	7838	C -3510548
69	11.2	9.8W	49 11.345	-0.0090	13	-35 53 43.47	-0.018	13	0.26	11.475	15	35.5	43.21	21	35.5	K0	C8	7839	C -3510549
70	10.7	9.8W	49 13.017	-0.0003	21	-30 49 23.69	0.012	21	0.44	13.023	22	31.5	23.91	21	31.5	G0 L	C7	8226	C -3012612
71	9.6	9.4W	49 13.339	0.0009	08	-36 34 10.71	0.007	08	0.22	13.326	15	35.5	10.81	21	35.5	A2	C8	7841	C -3610478
72	10.4	10.4W	49 15.281	-0.0030	13	-35 16 58.57	0.010	13	0.26	15.324	15	35.5	58.71	21	35.5	A0	C8	7842	C -3510550
73	10.9	9.7W	49 19.237	0.0001	13	-36 24 4.95	0.039	13	0.26	19.235	15	35.5	5.51	21	35.5	K0	C8	7843	C -3610479
74	9.3	9.1W	49 23.325	-0.0011	21	-33 12 25.36	-0.072	21	0.44	23.345	22	31.5	24.04	21	31.5	F5	C7	8227	C -3211199
75	10.1	10.0W	49 32.444	-0.0039	21	-33 6 13.30	0.018	21	0.44	32.515	22	31.5	13.64	21	31.5	F0	C7	8228	C*-3211200
76	8.2	7.7W	49 35.182	0.0011	06	-37 14 59.79	-0.047	06	0.20	35.166	15	35.5	59.11	21	35.5	G0	C8	7845	C -3710565
77	8.2	8.3W	49 41.811	-0.0025	10	-39 44 43.53	-0.036	10	0.23	41.847	15	35.5	43.01	21	35.5	A0	C8	7846	C -3910207
78		9.5W	49 44.064	-0.0039	21	-34 24 9.83	0.022	21	0.44	44.136	22	31.5	10.24	21	31.5	K L	C7	8229	C -3410574
79	11.2	10.0W	49 52.043	-0.0035	23	-35 16 1.70	-0.006	23	0.38	52.094	15	35.5	1.61	21	35.5	K2	C8	7847	C -3510561
80	9.7	9.3W	49 53.270	0.0050	13	-39 23 59.44	-0.009	13	0.26	53.196	15	35.5	59.31	21	35.5	G0	C8	7848	C -3910210
81	9.4	9.4W	49 54.833	-0.0043	21	-30 6 10.31	0.009	21	0.44	54.912	22	31.5	10.48	21	31.5	A5	C7	8230	C -2912045
82	10.2	9.4W	50 1.124	-0.0056	21	-34 44 0.04	-0.010	21	0.44	1.227	22	31.5	-59.85	21	31.5	K0	C7	8231	C*-3410578
83	10.4	9.9W	50 4.823	0.0053	23	-36 43 38.27	-0.149	23	0.38	4.746	15	35.5	36.11	21	35.5	G0	C8	7849	C -3610487
84		7.1T	50 5.776	0.0000	15	-30 37 49.18	-0.028	13	0.75	5.775	19	99.6	47.68	18	97.0	A3	GC	21325	C*-3012626
85	9.4	9.3W	50 8.343	-0.0098	21	-35 1 58.18	-0.037	21	0.44	8.524	22	31.5	57.50	21	31.5	A2	C7	8233	C -3410580
86	9.7	9.1W	50 16.771	-0.0025	18	-39 12 30.55	-0.051	18	0.32	16.806	15	35.5	29.81	21	35.5	G5	C8	7850	C -3810719
87	9.4	9.0W	50 18.266	-0.0028	18	-37 50 36.60	-0.020	18	0.32	18.306	15	35.5	36.31	21	35.5	F2	C8	7851	C -3710574
88	9.2	9.2W	50 19.466	-0.0009	21	-31 29 8.16	-0.019	21	0.44	19.483	22	31.5	7.80	21	31.5	A2	C7	8234	C -3112369
89	11.2	10.6W	50 20.800	-0.0004	18	-36 58 53.01	-0.062	18	0.32	20.806	15	35.5	52.11	21	35.5	F8	C8	7852	C -3610491
90	10.8	10.1W	50 26.019	-0.0018	21	-30 46 54.99	0.001	21	0.44	26.053	22	31.5	55.00	21	31.5	G0 L	C7	8235	C -3012630
91	11.0	10.6W	50 29.587	-0.0060	13	-35 27 16.91	-0.041	13	0.26	29.674	15	35.5	16.31	21	35.5	G0	C8	7853	C -3510568
92	10.2	9.6W	50 30.248	-0.0057	21	-32 29 21.83	0.027	21	0.44	30.354	22	31.5	22.32	21	31.5	G0	C7	8236	C -3211215
93	10.4	8.7W	50 36.759	-0.0019	13	-36 48 52.37	-0.066	13	0.26	36.786	15	35.5	51.41	21	35.5	K5	C8	7854	C -3610497
94		9.8W	50 54.108	-0.0008	21	-30 46 24.94	0.025	21	0.44	54.123	22	31.5	25.41	21	31.5		C7	8237	C -3012635
95	10.7	10.5W	50 54.976	-0.0025	21	-30 36 52.26	-0.030	21	0.44	55.023	22	31.5	51.71	21	31.5	G0 L	C7	8238	C -3012636
96	9.1	8.6W	50 56.262	-0.0044	21	-31 55 6.29	-0.041	21	0.44	56.344	22	31.5	5.52	21	31.5	G0	C7	8239	C -3112377
97	10.0	9.2W	50 57.386	-0.0004	21	-32 12 46.49	-0.014	21	0.44	57.394	22	31.5	46.22	21	31.5	G5	C7	8240	C -3112378
98	10.6	9.4W	51 3.627	-0.0032	21	-34 15 13.21	0.007	21	0.44	3.686	22	31.5	13.34	21	31.5	G5 L	C7	8241	C -3410586
99	10.5	9.1W	51 7.508	-0.0080	08	-35 27 27.45	-0.092	08	0.22	7.624	15	35.5	26.11	21	35.5	K0	C8	7855	C -3510573
00	9.3	9.0W	51 9.247	-0.0097	21	-33 54 47.64	-0.054	21	0.44	9.426	22	31.5	46.65	21	31.5	F8	C7	8242	C -3310796

207100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 15H DM NUMBER
1	10.2	9.8W	15 51 16.438	0.0008	18	-38 9 25.36	-0.010	18	0.32	16.426	15	35.5	25.21	21	35.5	F5	C8	7857	C -3710582
2		9.5W	51 19.210	-0.0032	13	-36 38 6.90	-0.020	13	0.26	19.256	15	35.5	6.61	21	35.5	K2	C8	7858	C -3610505
3	8.4	8.2W	51 20.000	-0.0034	21	-30 16 40.09	-0.076	21	0.44	20.062	22	31.5	38.68	21	31.5	F5	C7	8243	C -3012643
4	10.6	9.8W	51 30.177	-0.0014	21	-30 32 55.71	0.027	21	0.44	30.203	22	31.5	56.20	21	31.5	K0 L	C7	8244	C -3012649
5	9.0	8.5W	51 37.463	0.0039	07	-37 21 58.86	0.114	07	0.21	37.406	15	35.5	0.51	21	35.5	G0	C8	7860	C -3710583
6	10.8	10.0W	51 42.324	-0.0026	21	-31 17 54.57	-0.036	21	0.44	42.373	22	31.5	53.91	21	31.5		C7	8245	C -3112387
7	9.4	9.1W	51 44.207	-0.0047	09	-36 8 58.81	-0.069	09	0.22	44.275	15	35.5	57.61	21	35.5	F5	C8	7862	C -3510581
8	10.0	9.7W	51 47.098	-0.0026	13	-36 37 55.02	0.034	13	0.26	47.136	15	35.5	55.51	21	35.5	A5	C8	7863	C -3610510
9	9.8	9.5W	51 52.148	0.0021	13	-39 14 49.79	-0.033	13	0.26	52.116	15	35.5	49.31	21	35.5	F2	C8	7864	C -3910231
10	9.2	9.0W	51 57.684	-0.0023	21	-34 5 38.29	-0.046	21	0.44	57.726	22	31.5	37.44	21	31.5	A0	C7	8246	C -3310804
11	8.4	8.1W	51 58.139	0.0008	08	-39 25 33.34	-0.023	08	0.22	58.127	15	35.5	33.01	21	35.5	F5	C8	7865	C -3910232
12	9.8	9.7W	52 0.144	-0.0036	13	-39 7 28.15	-0.044	13	0.26	0.197	15	35.5	27.51	21	35.5	A0	C8	7866	C -3810741
13	10.0	9.8W	52 0.279	-0.0083	21	-30 54 18.21	-0.184	21	0.44	0.433	22	31.5	14.81	21	31.5	G0 L	C7	8247	C -3012654
14	10.6	9.3W	52 0.546	0.0000	21	-33 32 18.68	-0.013	21	0.44	0.546	22	31.5	18.45	21	31.5	K5	C7	8248	C -3310805
15	10.2	10.0W	52 1.976	-0.0047	13	-35 28 26.27	0.003	13	0.26	2.044	15	35.5	26.31	21	35.5	A0	C8	7867	C -3510585
16	10.7	10.3W	52 6.204	-0.0056	21	-34 30 14.78	-0.050	21	0.44	6.307	22	31.5	13.86	21	31.5	G0	C7	8249	C -3410601
17	11.4	10.7W	52 8.736	-0.0075	13	-35 25 15.31	0.069	13	0.26	8.844	15	35.5	16.31	21	35.5	F5 L	C8	7868	C -3510587
18	10.1	9.2W	52 17.864	-0.0001	21	-33 15 19.59	0.024	21	0.44	17.865	22	31.5	20.04	21	31.5	K0	C7	8250	C -3310810
19		6.3T	52 22.324	0.0012	11	-30 56 18.55	0.021	10	0.60	22.258	17	95.6	19.72	17	93.1	K0	GC	21369	C -3012663
20		10.1W	52 25.214	0.0001	21	-30 8 1.41	-0.018	21	0.44	25.212	22	31.5	1.08	21	31.5	K0 L	C7	8252	C -2912085
21	9.9	9.5W	52 31.480	-0.0019	21	-32 57 54.97	0.003	21	0.44	31.515	22	31.5	55.04	21	31.5	F8	C7	8253	C -3211244
22	9.8	9.3W	52 32.037	-0.0033	06	-36 28 57.60	0.077	06	0.20	32.085	15	35.5	58.71	21	35.5	F8	C8	7869	C -3610516
23		7.8T	52 36.184	0.0005	16	-35 31 50.16	0.030	13	0.73	36.161	17	02.6	51.67	18	00.3	G5	GC	21373	C -3510590
24	10.2	10.1W	52 37.897	-0.0032	21	-34 39 19.64	-0.064	21	0.44	37.957	22	31.5	18.46	21	31.5	A2	C7	8254	C -3410611
25	10.9	9.8W	52 38.323	-0.0061	21	-34 39 52.04	-0.075	21	0.44	38.437	22	31.5	50.65	21	31.5		C7	8255	C -3410611
26	10.2	9.3W	52 38.706	-0.0047	21	-30 11 36.85	0.034	21	0.44	38.792	22	31.5	37.49	21	31.5	K0 L	C7	8256	C -2912092
27	10.0	9.8W	52 40.413	0.0005	13	-36 17 5.65	-0.023	13	0.26	40.405	15	35.5	5.31	21	35.5	A2	C8	7872	C -3610518
28		6.1T	52 45.380	-0.0031	13	-39 43 8.40	-0.020	12	0.66	45.532	21	00.8	7.38	19	97.9	B9	GC	21377K	C -3910237
29	9.8	9.3W	52 47.840	-0.0065	08	-35 16 56.66	-0.038	08	0.22	47.934	15	35.5	56.11	21	35.5	F8	C8	7874	C -3510591
30	9.2	9.0W	52 49.156	-0.0062	13	-36 44 50.30	-0.006	13	0.26	49.246	15	35.5	50.21	21	35.5	F5	C8	7875	C -3610521
31	10.0	8.7W	52 52.932	-0.0024	18	-38 41 56.09	0.015	18	0.32	52.966	15	35.5	56.31	21	35.5	K0	C8	7876	C -3810752
32	9.1	9.1W	53 1.000	-0.0031	13	-36 26 9.36	-0.010	13	0.26	1.045	15	35.5	9.21	21	35.5	A0	C8	7878	C -3610524
33	9.4	9.6W	53 2.069	-0.0009	21	-32 56 32.39	-0.036	21	0.44	2.085	22	31.5	31.74	21	31.5	A0	C7	8257	C -3211257
34		6.5T	53 4.744	0.0029	08	-31 38 28.16	-0.002	06	0.33	4.615	12	06.3	28.08	12	03.5	F5	GC	21386	C -3112407
35	10.3	10.0W	53 5.647	-0.0021	21	-33 18 43.01	-0.048	21	0.44	5.685	22	31.5	42.14	21	31.5	F5	C7	8259	C -3310819
36	10.7	9.7W	53 7.148	-0.0046	13	-35 49 45.63	-0.008	13	0.26	7.215	15	35.5	45.51	21	35.5		C8	7879	C -3510596
37	10.1	9.1W	53 13.798	-0.0019	13	-35 36 15.57	-0.004	13	0.26	13.825	15	35.5	15.51	21	35.5	G5	C8	7880	C -3510598
38	9.9	8.9W	53 16.754	-0.0021	13	-35 10 53.54	-0.050	13	0.26	16.784	15	35.5	52.81	21	35.5	G5	C8	7881	C -3410620
39	10.5	9.8W	53 17.272	-0.0011	21	-30 47 33.90	0.060	21	0.44	17.293	22	31.5	35.01	21	31.5	K0 L	C7	8260	C -3012670
40	9.2	9.3W	53 27.616	-0.0063	21	-30 29 2.76	-0.015	21	0.44	27.732	22	31.5	2.48	21	31.5	A2	C7	8261	C -3012674
41	9.0	8.9W	53 29.494	-0.0061	21	-34 17 11.56	0.042	21	0.44	29.606	22	31.5	12.34	21	31.5	A0	C7	8262	C -3410622
42	10.9	9.6W	53 30.687	0.0000	21	-34 16 54.62	-0.010	21	0.44	30.686	22	31.5	54.44	21	31.5		C7	8263	C -3410622
43	10.0	9.6W	53 39.064	-0.0043	18	-38 21 23.71	-0.069	18	0.32	39.126	15	35.5	22.71	21	35.5	F5	C8	7882	C -3810759
44		5.4T	53 41.256	0.0015	05	-33 49 17.51	-0.045	05	0.27	41.187	10	02.7	15.14	10	97.4	A0	GC	21395K	C*-3310826
45		5.7T	53 41.908	0.0016	09	-33 49 10.11	-0.042	07	0.49	41.850	15	93.4	7.53	15	88.5	A0	GC	21396K	C*-3310826
46		7.0T	53 49.880	-0.0024	13	-35 46 59.61	-0.017	12	0.69	50.005	18	98.3	58.71	18	95.9	A2	GC	21401	C -3510607
47	10.6	10.3W	53 51.918	-0.0051	21	-30 18 6.34	0.002	21	0.44	52.012	22	31.5	6.38	21	31.5	G0 L	C7	8265	C -3012681
48	10.2	8.9W	53 52.061	-0.0017	21	-30 48 19.76	0.046	21	0.44	52.093	22	31.5	20.61	21	31.5	K5	C7	8266	C -3012680
49	9.8	9.7W	53 55.238	-0.0025	21	-32 6 27.30	0.023	21	0.44	55.284	22	31.5	27.72	21	31.5	F2	C7	8267	C -3112417
50	10.3	9.2W	53 59.201	-0.0044	21	-30 34 44.04	0.085	21	0.44	59.283	22	31.5	45.61	21	31.5	K5	C7	8268	C -3012682
51	9.6	9.3W	15 54 5.071	-0.0031	13	-37 2 34.55	-0.037	13	0.26	5.116	15	35.5	34.01	21	35.5	F8	C8	7886	C -3610534
52		6.0T	54 5.790	-0.0015	13	-36 2 28.61	-0.005	11	0.65	5.865	18	00.4	28.37	17	97.2	+++	GC	21405	C*-3510611
53	9.1	8.1W	54 10.257	-0.0068	21	-31 38 29.98	-0.004	21	0.44	10.363	22	31.5	29.91	21	31.5	K2	C7	8269	C -3012683
54	10.1	9.4W	54 13.682	-0.0022	21	-30 16 27.22	-0.013	21	0.44	13.722	22	31.5	26.98	21	31.5	G0 L	C7	8270	C -3012685
55	10.0	9.3W	54 16.269	0.0002	21	-32 38 20.14	-0.060	21	0.44	16.265	22	31.5	19.04	21	31.5	G5	C7	8271	C -3211277
56	10.9	10.0W	54 18.142	-0.0056	21	-32 39 29.62	-0.059	21	0.44	18.245	22	31.5	28.54	21	31.5	G5 L	C7	8272	C -3211279
57	9.2	9.0W	54 19.065	-0.0103	21	-32 38 24.32	-0.016	21	0.44	19.255	22	31.5	24.04	21	31.5	G5	C7	8273	C -3211280
58	10.4	10.0W	54 27.029	-0.0031	21	-33 37 24.10	-0.063	21	0.44	27.086	22	31.5	22.95	21	31.5	F2	C7	8274	C -3310827
59	10.6	9.4W	54 28.373	0.0004	18	-38 51 48.97	0.003	18	0.32	28.366	15	35.5	49.01	21	35.5	G5	C8	7889	C -3810769
60	9.4	9.1W	54 31.949	-0.0057	21	-35 2 6.44	0.014	21	0.44	32.055	22	31.5	6.70	21	31.5	A5	C7	8275	C -3410630
61	10.9	10.2W	54 33.821	-0.0010	13	-36 3 40.02	-0.049	13	0.26	33.835	15	35.5	39.31	21	35.5	F8 L	C8	7890	C -3510616
62	10.9	10.2W	54 34.899	-0.0032	13	-36 3 38.07	-0.025	13	0.26	34.945	15	35.5	37.71	21	35.5	F8 L	C8	7891	C -3510616
63	10.5	8.9W	54 37.379	0.0001	13	-38 53 36.80	-0.013	13	0.26	37.377	15	35.5	36.61	21	35.5	K0	C8	7893	C -3810770
64		9.6W	54 38.070	0.0035	21	-33 21 0.87	0.030	21	0.44	38.005	22	31.5	1.44	21	31.5	G5 L	C7	8276	C -3310829
65	10.2	9.3W	54 39.962	-0.0028	21	-32 19 43.13	-0.027	21	0.44	40.014	22	31.5	42.62	21	31.5	K0	C7	8277	C -3211285
66	8.4	8.5W	54 42.510	-0.0067	21	-31 49 24.70	-0.085	21	0.44	42.634	22	31.5	23.12	21	31.5		C7	8278	C -3112423
67	8.4	8.5W	54 43.495	-0.0010	21	-31 49 38.14	0.021	21	0.44	43.514	22	31.5	38.52	21	31.5		C7	8279	C -3112424
68		7.1T	54 50.347	0.0003	15	-31 35 8.26	-0.028	13	0.72	50.331	17	01.6	6.86	18	99.2	B9	GC	21423	C -3112426
69	11.0	9.5W	54 50.653	-0.0015	13	-36 23 3.81	0.014	13	0.26	50.675	15	35.5	4.01	21	35.5	K2	C8	7895	C -3610544
70	9.8	9.5W	54 50.773	-0.0042	13	-35 23 28.98	0.002	13	0.26	50.834	15	35.5	29.01	21	35.5	F5	C8	7896	C -3510618
71	10.3	9.0W	54 54.192	-0.0010	13	-38 10 47.61	-0.007	13	0.26	54.205	15	35.5	47.51	21	35.5	K0	C8	7897	C -3710615
72	9.5	9.2W	54 54.686	0.0002	21	-30 20 0.47	0.033	21	0.44	54.682	22	31.5	1.08	21	31.5	G0	C7	8281	C -3012696
73		10.1W	54 59.295	0.0007	13	-35 35 21.94	-0.016	13	0.26	59.285	15	35.5	21.71	21	35.5	G5 L	C8	7898	C -3510621
74	9.2	9.1W	55 3.364	0.0020	21	-33 55 43.81	-0.036	21	0.44	3.326	22	31.5	43.14	21	31.5	B9	C7	8282	C -3310835
75	10.8	10.2W	55 4.557	-0.0032	21	-33 36 31.90	-0.068	21	0.44	4.616	22	31.5	30.65	21	31.5	G0 L	C7	8283	C -3310836
76	10.6	10.6W	55 11.146	-0.0027	08	-35 34 55.62	-0.028	08	0.22	11.185	15	35.5	55.21	21	35.5	F8 L	C8	7900	C -3510622
77	10.1	9.7W	55 11.208	-0.0074	08	-36 17 10.92	-0.021	08	0.22	11.315	15	35.5	10.61	21	35.5	F5	C8	7901	C -3610547
78		6.4T	55 13.124	-0.0021	15	-37 21 38.16	-0.004	13	0.70	13.220	21	03.5	38.01	19	02.0	G5	GC	21435	C -3710620
79	10.7	9.7W	55 16.587	-0.0010	21	-33 8 57.64	-0.006	21	0.44	16.605	22	31.5	57.54	21	31.5	K	C7	8284	C -3211298
80		10.1W	55 17.714	-0.0049	08	-36 17 58.46	-0.017	08	0.22	17.785	15	35.5	58.21	21	35.5	F2 L	C8	7903	C -3610549
81	10.8	10.0W	55 21.522	-0.0002	21	-34 33 30.31	-0.003	21	0.44	21.527	22	31.5	30.26	21	31.5	G5 L	C7	8285	C -3410636
82	10.0	9.5W	55 22.237	-0.0021	21	-32 42 53.52	-0.048	21	0.44	22.275	22	31.5	52.64	21	31.5	G0	C7	8286	C -3211299
83	10.1	9.6W	55 26.236	-0.0236	21	-30 18 3.90	-0.185	21	0.44	26.672	22	31.5	0.48	21	31.5	K0 L	C7	8287	C -3012703
84	8.4	8.0W	55 32.025	-0.0022	07	-38 51 12.20	-0.151	07	0.21	32.056	15	35.5	10.01	21	35.5	G0	C8	7904	C -3810778
85	9.3	7.8W	55 32.794	-0.0021	21	-30 34 54.52	-0.017	21	0.44	32.833	22	31.5	54.21	21	31.5	MA	C7	8288	C -3012706
86	10.7	9.8W	55 34.683	-0.0043	21	-30 45 2.66	0.035	21	0.44	34.763	22	31.5	3.31	21	31.5	G5 L	C7	8289	C -3012707
87	10.5	8.8W	55 36.043	-0.0042	13	-35 26 47.61	-0.062	13	0.26	36.104	15	35.5	46.71	21	35.5	K5	C8	7905	C -3510626
88	10.4	9.6W	55 38.682	-0.0022	21	-30 22 12.14	0.013	21	0.44	38.722	22	31.5	12.38	21	31.5		C7	8290	C -3012709
89	8.7	8.7W	55 40.568	-0.0002	21	-31 54 35.02	-0.021	21	0.44	40.564	22	31.5	34.62	21	31.5	F0	C7	8291	C -3112434
90	10.3	9.1W	55 41.597	-0.0007	21	-32 29 13.44	-0.076	21	0.44	41.584	22	31.5	12.02	21	31.5	K5	C7	8292	C -3211302
91	10.3	10.0W	55 44.875	-0.0049	21	-34 33 22.58	0.047	21	0.44	44.967	22	31.5	23.46	21	31.5	G5	C7	8293	C -3410639
92		7.3T	55 51.249	-0.0022	18	-38 36 22.94	-0.044	15	0.82	51.348	24	04.0	20.80	22	01.0	F0	GC	21448	C*-3810783
93	8.7	8.5W	56 3.922	-0.0051	14	-37 23 17.12	-0.083	14	0.27	3.996	15	35.5	15.91	21	35.5	F5	C8	7907	C -3710628
94	10.3	10.0W	56 4.225	-0.0028	13	-37 3 23.10	-0.013	13	0.26	4.266	15	35.5	22.91	21	35.5	A2	C8	7908	C -3610559
95		7.1T	56 9.448	0.0029	13	-32 52 12.93	-0.017	10	0.59	9.308	14	02.5	12.09	14	00.4	B9	GC	21453	C -3211309
96	8.5	8.3W	56 11.478	0.0046	21	-30 20 57.74	0.002	21	0.44	11.392	22	31.5	57.78	21	31.5	F5	C7	8295	C -3012718
97	10.2	9.5W	56 18.741	-0.0082	21	-30 11 20.16	-0.150	21	0.44	18.892	22	31.5	17.38	21	31.5	K0	C7	8296	C -2912155
98	11.0	9.9W	56 21.613	-0.0043	13	-36 21 27.65	-0.044	13	0.26	21.675	15	35.5	27.01	21	35.5	G5	C8	7909	C -3610565
99	10.5	9.4W	56 24.986	-0.0027	21	-33 28 34.46	-0.045	21	0.44	25.035	22	31.5	33.64	21	31.5	K2	C7	8297	C -3310846
00		7.6T	56 32.110	0.0096	13	-35 42 12.29	-0.072	12	0.65	31.646	18	01.6	8.59	18	98.4	G0	GC	21462	C -3510640

207200

EPOCH 1950											ORIGINAL EPOCH						SP.	SOURCE		-30° 15H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	10.1	9.3W	15 56 33.454	-0.0066	21	-34 27 57.00	0.013	21	0.44	33.576	22	31.5	57.24	21	31.5	K0	C7	8298	C -3410651	
2	9.3	9.3W	56 38.960	-0.0032	10	-38 16 3.45	-0.058	10	0.23	39.006	15	35.5	2.61	21	35.5	F5	C8	7912	C -3810794	
3		7.5T	56 40.471	-0.0017	17	-31 41 37.02	-0.007	15	0.78	40.549	18	02.7	36.69	18	01.7	F0	GC	21471	C -3112442	
4	9.2	8.3W	56 41.108	0.0023	21	-32 31 10.82	-0.005	21	0.44	41.065	22	31.5	10.74	21	31.5	K0	C7	8300	C -3211319	
5		7.0T	56 43.537	0.0011	13	-33 14 38.25	-0.019	12	0.68	43.485	18	00.4	37.30	18	99.0	A0	GC	21472	C -3310848	
6		6.7T	56 44.277	0.0013	12	-31 1 36.08	-0.021	09	0.60	44.210	19	99.3	34.90	18	94.7	G5	GC	21473	C -3012723	
7	10.0	9.5W	56 44.562	-0.0079	13	-37 6 37.75	-0.044	13	0.26	44.676	15	35.5	37.11	21	35.5	F8	C8	7913	C -3610570	
8		3.6T	56 48.024	-0.0019	04	-38 15 19.98	-0.034	03	0.18	48.100	06	08.7	18.41	07	03.0	B3	GC	21478K	C*-3810797	
9		7.7T	56 48.448	-0.0027	18	-38 15 5.34	-0.027	08	0.73	48.574	22	02.4	3.84	21	93.4		GC	21479K	C -3810797	
10	9.7	8.9W	56 50.852	-0.0022	21	-31 17 13.77	-0.009	21	0.44	50.893	22	31.5	13.60	21	31.5	K0	C7	8303	C -3112445	
11	10.6	9.1W	56 53.343	-0.0064	13	-37 7 58.87	-0.025	13	0.26	53.436	15	35.5	58.51	21	35.5	K0	C8	7916	C -3610573	
12	10.7	10.3W	56 55.821	-0.0032	23	-38 58 7.31	-0.076	23	0.38	55.867	15	35.5	6.21	21	35.5	G0	C8	7917	C -3810798	
13	9.5	9.5W	56 56.625	-0.0042	21	-30 31 41.17	-0.025	21	0.44	56.703	22	31.5	40.70	21	31.5	G0	C7	8304	C -3012727	
14	9.7	9.1W	56 57.959	-0.0004	13	-36 21 44.54	-0.043	13	0.26	57.965	15	35.5	43.91	21	35.5	A5	C8	7918	C -3610575	
15	7.1	7.4W	57 2.018	-0.0020	09	-38 51 10.66	-0.017	09	0.22	2.047	15	35.5	10.41	21	35.5	A0	C8	7919	C -3810800	
16	9.9	9.7W	57 3.694	-0.0037	21	-31 19 56.75	-0.040	21	0.44	3.763	22	31.5	56.01	21	31.5	F0	C7	8305	C -3112452	
17	9.8	8.8W	57 6.529	-0.0025	21	-33 27 42.83	-0.054	21	0.44	6.575	22	31.5	41.84	21	31.5	K0	C7	8306	C -3310855	
18	10.7	9.4W	57 11.127	-0.0014	21	-31 1 22.43	-0.039	21	0.44	11.153	22	31.5	21.71	21	31.5	K	C7	8307	C -3012730	
19	10.5	10.0W	57 12.935	-0.0014	13	-36 19 42.66	0.017	13	0.26	12.955	15	35.5	42.91	21	35.5	F8	C8	7920	C -3610579	
20	8.6	8.2W	57 15.744	0.0006	10	-35 56 49.81	-0.041	10	0.23	15.735	15	35.5	49.21	21	35.5	F8	C8	7921	C -3510650	
21	8.6	8.2W	57 16.127	-0.0047	13	-35 56 51.09	-0.061	13	0.26	16.195	15	35.5	50.21	21	35.5	F8	C8	7922	C -3510650	
22	8.6	8.7W	57 22.316	-0.0042	21	-31 57 34.94	-0.033	21	0.44	22.384	22	31.5	34.32	21	31.5	A2	C7	8308	C -3112458	
23	10.3	9.1W	57 23.844	0.0001	21	-31 27 26.39	-0.015	21	0.44	23.843	22	31.5	26.11	21	31.5	K5	C7	8309	C -3112460	
24		6.7T	57 26.391	0.0022	22	-38 56 51.00	-0.042	18	0.90	26.296	22	07.6	49.18	21	06.3	F0	GC	21492	C -3810803	
25		9.8W	57 28.863	-0.0036	13	-36 15 23.32	-0.028	13	0.26	28.915	15	35.5	22.91	21	35.5		C8	7925	C -3610582	
26	10.7	9.7W	57 36.245	-0.0041	13	-35 9 23.08	-0.039	13	0.26	36.304	15	35.5	22.51	21	35.5	G5	C8	7927	C -3410665	
27	10.5	9.4W	57 38.750	-0.0004	10	-38 18 30.44	-0.009	10	0.23	38.756	15	35.5	30.31	21	35.5	G5	C8	7928	C -3810805	
28	9.3	8.0W	57 38.983	-0.0029	13	-35 51 16.33	-0.022	13	0.26	39.025	15	35.5	16.01	21	35.5	K0	C8	7929	C*-3510653	
29	9.5	9.0W	57 39.479	-0.0020	13	-39 33 44.20	0.015	13	0.26	39.508	15	35.5	44.41	21	35.5	G0	C8	7930	C -3910280	
30	8.4	8.0W	57 53.666	0.0119	21	-32 33 10.75	-0.250	21	0.44	53.445	22	31.5	6.14	21	31.5	G0	C7	8310	C -3211336	
31	8.9	8.8W	57 56.484	-0.0010	21	-30 26 6.35	-0.009	21	0.44	56.502	22	31.5	6.19	21	31.5	F8	C7	8311	C -3012740	
32	10.0	9.6W	57 56.940	-0.0003	21	-32 46 28.49	-0.041	21	0.44	56.945	22	31.5	27.74	21	31.5	G0	C7	8312	C -3211338	
33	10.3	9.9W	58 5.345	-0.0035	13	-36 50 4.59	0.022	13	0.26	5.396	15	35.5	4.91	21	35.5	A2	C8	7931	C -3610589	
34		6.4T	58 9.847	0.0009	17	-31 44 59.30	-0.007	13	0.78	9.801	18	01.7	58.95	19	98.7	K0	GC	21504	C -3112470	
35		10.0W	58 9.891	-0.0035	21	-34 43 9.00	-0.019	21	0.44	9.957	22	31.5	8.65	21	31.5		C7	8314	C -3410679	
36	9.0	8.5W	58 11.446	0.0007	21	-31 24 24.26	-0.030	21	0.44	11.433	22	31.5	23.71	21	31.5	F8	C7	8315	C -3112471	
37	10.2	8.8W	58 12.883	-0.0016	18	-38 4 19.36	-0.031	18	0.32	12.905	15	35.5	18.91	21	35.5	K0	C8	7932	C -3710649	
38	9.4	9.2W	58 15.857	-0.0006	10	-38 18 19.56	-0.038	10	0.23	15.865	15	35.5	19.01	21	35.5	A5	C8	7933	C -3810816	
39	10.5	9.6W	58 16.960	-0.0013	21	-32 20 4.17	-0.083	21	0.44	16.984	22	31.5	2.62	21	31.5	G5	C7	8316	C -3211344	
40	9.2	8.9W	58 24.176	-0.0033	21	-34 5 23.12	0.044	21	0.44	24.236	22	31.5	23.94	21	31.5	F5	C7	8317	C -3310866	
41	10.8	9.8W	58 28.658	-0.0019	13	-36 19 24.38	0.099	13	0.26	28.685	15	35.5	25.81	21	35.5	G5	C8	7934	C -3610593	
42	10.9	9.7W	58 31.447	-0.0021	21	-34 48 31.96	-0.049	21	0.44	31.487	22	31.5	31.06	21	31.5	K	C7	8318	C -3410687	
43		7.7T	58 33.703	0.0002	16	-34 29 16.42	0.002	12	0.72	33.695	18	01.5	16.53	18	98.0	K5	GC	21512	C*-3410688	
44	9.8	9.4W	58 35.844	-0.0038	21	-30 46 34.45	0.042	21	0.43	35.913	22	32.0	35.20	21	32.0	A3	C7	8320	C -3012753	
45		7.4T	58 40.798	0.0004	15	-37 23 43.48	-0.048	13	0.73	40.776	21	01.5	41.03	21	98.4	B9	GC	21516	C -3710654	
46		7.1T	58 47.938	-0.0030	15	-36 36 17.74	-0.028	12	0.70	48.079	19	02.3	16.36	18	99.7	A0	GC	21521	C -3610595	
47	11.0	10.3W	58 48.488	-0.0030	21	-30 8 14.80	0.099	21	0.43	48.542	22	32.0	16.58	21	32.0	G0	C7	8321	C -2912191	
48	9.6	9.2W	58 51.603	-0.0050	21	-30 34 2.16	0.036	21	0.43	51.693	22	32.0	2.81	21	32.0	F5	C7	8322	C -3012756	
49	10.9	9.7W	58 54.754	-0.0012	21	-34 34 0.16	-0.095	21	0.43	54.777	22	32.0	58.46	21	32.0	G5	C7	8323	C -3410691	
50	9.2	8.8W	58 56.398	-0.0025	21	-31 58 33.66	0.004	21	0.43	56.434	22	32.0	33.72	21	32.0	F5	C7	8324	C -3112484	
51		9.1W	15 59 3.062	-0.0086	13	-37 19 45.31	0.000	13	0.26	3.186	15	35.6	45.31	21	35.6	M8	C8	7938	C -3710657	
52	8.8	8.7W	59 3.839	-0.0052	13	-35 7 51.22	-0.035	13	0.26	3.914	15	35.6	50.71	21	35.6	F0	C8	7939	C -3410692	
53	9.7	8.7W	59 4.161	0.0003	21	-32 42 9.54	-0.056	21	0.43	4.155	22	32.0	8.54	21	32.0	K0	C7	8325	C -3211351	
54	9.8	9.5W	59 7.655	0.0006	13	-39 29 52.20	-0.006	13	0.26	7.647	15	35.6	52.11	21	35.6	A0	C8	7940	C -3910288	
55	8.2	8.3W	59 9.804	-0.0029	21	-33 30 59.04	-0.044	21	0.43	9.856	22	32.0	58.25	21	32.0	A0	C7	8326	C -3310881	
56	10.0	8.9W	59 10.111	0.0032	21	-32 15 46.67	-0.019	21	0.43	10.054	22	32.0	46.32	21	32.0	K0	C7	8327	C -3211353	
57	9.6	9.7W	59 13.399	-0.0005	18	-37 40 30.17	-0.011	18	0.32	13.405	15	35.6	30.01	21	35.6	B9	C8	7941	C -3710659	
58	9.6	9.2W	59 17.507	-0.0040	13	-35 40 13.77	-0.080	13	0.26	17.565	15	35.6	12.61	21	35.6	A3	C8	7942	C -3510674	
59	8.6	8.9W	59 23.474	-0.0028	13	-35 6 53.02	0.020	13	0.26	23.514	15	35.6	53.31	21	35.6	B8	C8	7943	C -3410700	
60	10.5	10.0W	59 24.641	-0.0103	21	-34 39 40.19	0.031	21	0.43	24.827	22	32.0	40.75	21	32.0	F5	C7	8328	C -3410701	
61	8.5	8.7W	59 28.897	-0.0019	05	-35 4 5.95	0.018	05	0.20	28.924	15	35.6	6.21	21	35.6	B9	C8	7944	C -3410703	
62	8.9	7.9W	59 30.318	-0.0012	05	-36 2 45.17	-0.011	05	0.20	30.335	15	35.6	45.01	21	35.6	K0	C8	7945	C -3510677	
63	9.5	9.1W	59 36.123	-0.0011	21	-30 31 41.68	0.013	21	0.43	36.143	22	32.0	41.91	21	32.0	F8	C7	8330	C -3012766	
64	10.7	9.1W	59 37.595	-0.0012	21	-33 59 34.03	-0.038	21	0.43	37.616	22	32.0	33.35	21	32.0	K0	C7	8331	C -3310886	
65	11.0	9.6W	59 38.416	-0.0026	21	-31 3 37.52	0.005	21	0.43	38.463	22	32.0	37.60	21	32.0	K0	C7	8332	C -3012767	
66		7.8T	59 43.715	-0.0079	14	-30 48 19.52	-0.085	13	0.72	44.110	19	00.0	15.08	18	98.0	F5	GC	21542	C -3012770	
67	9.9	8.5W	59 44.613	-0.0006	21	-31 35 35.53	0.011	21	0.43	44.624	22	32.0	35.72	21	32.0	K0	C7	8334	C -3112494	
68	10.4	9.3W	59 44.991	-0.0074	21	-32 6 4.05	-0.001	21	0.43	45.124	22	32.0	4.02	21	32.0	G5	C7	8335	C -3112493	
69		9.0T	59 46.738	0.0024	18	-32 1 26.08	-0.001	15	0.84	46.622	19	02.4	26.15	19	99.5	G5	GC	21543K	C -3112495	
70	10.3	10.0W	59 48.142	0.0014	21	-33 55 48.62	-0.043	21	0.43	48.116	22	32.0	47.85	21	32.0	A0	C7	8337	C -3310890	
71	9.9	8.3W	59 55.098	-0.0025	21	-30 7 30.24	0.041	21	0.43	55.142	22	32.0	30.98	21	32.0	K5	C7	8338	C -2912208	
72	9.9	9.5W	59 55.206	-0.0028	10	-38 7 19.66	-0.052	10	0.23	55.246	15	35.6	18.91	21	35.6	F8	C8	7946	C -3710664	
73	10.4	9.1W	59 56.634	-0.0019	21	-34 34 27.17	-0.012	21	0.43	56.667	22	32.0	26.95	21	32.0	K2	C7	8339	C -3410707	
74	10.1	9.9W	59 58.514	0.0021	21	-33 58 16.00	-0.003	21	0.43	58.466	22	32.0	15.95	21	32.0	A0	C7	8340	C -3310891	
75	8.0	8.1W	59 58.820	-0.0003	13	-35 8 58.46	-0.024	13	0.26	58.824	15	35.6	58.11	21	35.6	A2	C8	7947	C -3410708	
76		5.0T	16 0 4.152	-0.0026	06	-38 27 53.30	-0.034	06	0.30	4.264	12	06.1	51.73	12	03.1	B5	GC	21548	C*-3810832	
77	9.5	9.0W	0 4.926	-0.0049	14	-36 43 42.59	-0.082	14	0.27	4.996	15	35.6	41.41	21	35.6	G0	C8	7949	C -3610609	
78		7.6T	0 5.042	-0.0015	13	-36 59 43.76	-0.004	10	0.65	5.114	21	00.8	43.57	19	95.6	K0	GC	21549	C -3610608	
79	9.7	9.5W	0 13.946	-0.0010	21	-31 52 17.76	0.015	21	0.43	13.964	22	32.0	18.02	21	32.0	A2	C7	8341	C -3112500	
80	9.6	7.9W	0 15.421	-0.0016	06	-35 14 27.65	-0.010	06	0.20	15.444	15	35.6	27.51	21	35.6	K2	C8	7951	C -3510691	
81	9.9	9.8W	0 15.634	-0.0030	13	-38 50 39.70	-0.027	13	0.26	15.676	15	35.6	39.31	21	35.6	A2	C8	7952	C -3810836	
82		6.1T	0 24.449	-0.0034	15	-31 51 47.21	-0.030	12	0.72	24.617	17	00.0	45.66	17	97.8	F5	GC	21559	C -3112505	
83	10.1	9.8W	0 26.538	-0.0019	21	-30 50 53.10	0.006	21	0.43	26.573	22	32.0	53.21	21	32.0	F8	C7	8343	C -3012780	
84	9.7	9.7W	0 29.546	-0.0054	13	-35 5 38.14	0.012	13	0.26	29.624	15	35.6	38.31	21	35.6	A0	C8	7954	C -3410715	
85		7.1T	0 37.069	-0.0087	13	-32 56 0.96	-0.069	12	0.65	37.494	17	00.8	57.41	17	98.4	F0	GC	21565K	C*-3211377	
86	8.7	8.9W	0 47.205	-0.0001	10	-38 6 11.67	-0.039	10	0.23	47.206	15	35.6	11.11	21	35.6	A0	C8	7955	C -3710676	
87	9.7	9.2W	0 52.459	-0.0020	21	-35 2 23.35	-0.047	21	0.43	52.495	22	32.0	22.51	21	32.0	G0	C7	8345	C -3410722	
88	8.2	8.0W	0 52.874	-0.0279	07	-37 10 14.07	-0.025	07	0.21	53.276	15	35.6	13.71	21	35.6	G0	C8	7956	C -3610618	
89		7.2T	0 53.669	-0.0018	13	-35 18 43.72	-0.060	09	0.59	53.756	18	01.2	40.59	17	97.4	K0	GC	21570	C -3510701	
90	10.0	9.8W	0 59.819	0.0008	13	-38 48 11.15	-0.058	13	0.26	59.807	15	35.6	10.31	21	35.6	F5	C8	7958	C -3810845	
91	9.5	9.2W	0 59.844	0.0026	13	-37 2 49.47	0.010	13	0.26	59.806	15	35.6	49.61	21	35.6	F5	C8	7959	C -3610621	
92		6.2T	1 6.114	-0.0024	15	-34 38.09	-0.057	13	0.72	6.227	18	01.6	35.24	18	99.7	F0	GC	21574	C -3211386	
93	10.2	8.6W	1 7.073	-0.0006	21	-32 6 55.51	-0.038	21	0.43	7.084	22	32.0	54.82	21	32.0	K2	C7	8347	C -3112517	
94	10.5	9.2W	1 11.677	-0.0020	08	-36 52 7.98	0.016	08	0.22	11.706	15	35.6	8.21	21	35.6	G5	C8	7960;	C -3610624	
95	9.0	8.5W	1 14.121	-0.0003	21	-33 41 42.36	0.010	21	0.43	14.126	22	32.0	42.55	21	32.0	A2	C7	8348	C -3310903	
96		10.1W	1 17.411	-0.0053	21	-34 47 41.90	-0.025	21	0.43	17.507	22	32.0	41.45	21	32.0	K0	C7	8349	C -3410730	
97		6.0T	1 18.309	-0.0116	14	-37 43 31.59	-0.119	14	0.75	18.886	22	00.0	25.55	22	99.5	F0	GC	21584K	C -3710680	
98	10.1	9.9W	1 18.798	-0.0003	21	-32 16 9.68	0.008	21	0.43	18.804	22	32.0	9.82	21	32.0	A5	C7	8350	C -3211390	
99		7.0T	1 22.917	-0.0014	16	-39 17 55.11	-0.055	11	0.70	22.982	18	02.3	52.28	19	98.1	B9P	GC	21586K	C -3910298	
00		7.0T	1 23.324	-0.0021	14	-37 40 46.85	-0.017	13	0.75	23.429	21	98.8	45.98	21	97.5	B9	GC	21587	C -3710681	

207300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 16H DM NUMBER
1	10.2	10.3W	16 1 25.453	-0.0030	13	-36 47 27.91	0.000	13	0.26	25.496	15	35.6	27.91	21	35.6	A2	C8	7964	C -3610626
2	9.3	9.3W	1 32.103	0.0012	13	-37 46 21.63	0.061	13	0.26	32.085	15	35.6	22.51	21	35.6	A0	C8	7965	C -3710682
3	9.6	9.2W	1 36.410	-0.0012	13	-38 49 4.92	-0.084	13	0.26	36.427	15	35.6	3.71	21	35.6	F8	C8	7967	C -3810851
4	9.4	7.6W	1 39.973	-0.0024	08	-39 4 49.56	-0.031	08	0.22	40.007	15	35.6	49.11	21	35.6	M8	C8	7968	C -3810852
5	9.6	9.1W	1 40.651	-0.0001	21	-31 29 34.90	-0.083	21	0.43	40.653	22	32.0	33.40	21	32.0	F8	C7	8351	C -3112528
6	10.5	9.8W	1 42.537	-0.0013	18	-38 16 31.61	-0.048	18	0.32	42.555	15	35.6	30.91	21	35.6	G0	C8	7969	C -3810856
7		10.0W	1 45.982	-0.0023	13	-35 36 16.47	-0.018	13	0.26	46.015	15	35.6	16.21	21	35.6	G5 L	C8	7971	C -3510706
8			1 54.813	-0.0008	23	-35 9 8.61	0.000	23	0.38	54.824	15	35.6	8.61	21	35.6	F5 L	C8	7972	C -3410743
9	10.9	9.1W	1 57.849	0.0041	21	-33 16 24.11	-0.010	21	0.43	57.775	22	32.0	23.94	21	32.0	K2 L	C7	8352	C -3310910
10	9.0	8.9W	1 58.641	-0.0024	13	-36 7 55.89	-0.026	13	0.26	58.675	15	35.6	55.51	21	35.6	A0	C8	7973	C -3510710
11	9.7	8.3W	1 59.863	-0.0057	13	-36 29 40.02	-0.042	13	0.26	59.945	15	35.6	39.41	21	35.6	K0	C8	7974	C -3610632
12	8.5	8.5W	2 3.436	-0.0015	21	-31 19 14.99	-0.010	21	0.43	3.463	22	32.0	14.81	21	32.0	A3	C7	8353	C -3112533
13	9.2	9.2W	2 8.213	0.0026	21	-32 45 31.62	0.017	21	0.43	8.165	22	32.0	31.94	21	32.0	A2	C7	8354	C -3211399
14	10.0	8.8W	2 9.725	-0.0070	13	-35 31 10.76	-0.024	13	0.26	9.825	15	35.6	10.41	21	35.6	K0	C8	7975	C -3510711
15		7.1T	2 14.498	-0.0032	16	-31 19 16.70	-0.031	13	0.75	14.653	18	01.4	15.09	18	99.0	A2	GC	21603	C -3112535
16	8.6	7.4W	2 14.877	0.0008	13	-36 1 56.98	0.016	13	0.26	14.865	15	35.6	57.21	21	35.6	K0	C8	7976	C -3510712
17	8.0	8.0W	2 15.582	-0.0008	21	-33 52 7.46	0.010	21	0.43	15.596	22	32.0	7.65	21	32.0	A0	C7	8356	C -3310915
18	9.8	9.7W	2 17.495	-0.0012	21	-34 24 21.96	-0.034	21	0.43	17.516	22	32.0	21.35	21	32.0	A0	C7	8357	C -3410746
19	9.3	8.9W	2 20.414	-0.0022	21	-32 6 9.36	-0.002	21	0.43	20.454	22	32.0	9.32	21	32.0	F2	C7	8358	C -3112537
20	7.8	7.9W	2 23.922	-0.0011	13	-39 42 29.09	-0.047	13	0.26	23.938	15	35.6	28.41	21	35.6	A3	C8	7977	C -3910302
21	8.5	7.6W	2 29.236	-0.0283	21	-32 43 28.30	-0.232	21	0.43	29.745	22	32.0	24.14	21	32.0	G5	C7	8359	C*-3211405
22		6.7T	2 35.653	-0.0022	20	-36 59 32.31	-0.002	15	0.85	35.751	22	04.4	32.23	21	00.7	G5	GC	21611	C -3610634
23	9.8	8.9W	2 38.541	-0.0014	21	-32 34 28.43	-0.028	21	0.43	38.565	22	32.0	27.94	21	32.0	G5	C7	8360	C -3211406
24	11.0	10.0W	2 43.469	-0.0015	21	-32 43 29.35	-0.062	21	0.43	43.495	22	32.0	28.24	21	32.0	G5 L	C7	8361	C -3211408
25	9.4	9.2W	2 45.532	-0.0016	13	-35 54 17.54	-0.037	13	0.26	45.555	15	35.6	17.01	21	35.6	A3	C8	7980	C -3510716
26	10.3	10.0W	2 46.538	0.0009	13	-36 23 18.45	0.046	13	0.26	46.528	15	35.6	19.11	21	35.6	A2	C8	7981	C -3610635
27	8.4	8.1W	2 50.081	0.0031	18	-37 54 11.44	0.026	18	0.32	50.035	15	35.6	11.81	21	35.6	F5	C8	7982	C -3710692
28		10.3W	3 0.116	-0.0098	21	-30 50 41.12	-0.095	21	0.43	0.293	22	32.0	39.41	21	32.0		C7	8362	C -3012823
29	7.7	8.0W	3 11.737	-0.0027	18	-39 7 30.79	-0.054	18	0.32	11.777	15	35.6	30.01	21	35.6	A0	C8	7983	C -3810874
30	9.2	9.1W	3 16.427	-0.0041	10	-39 0 38.76	-0.045	10	0.23	16.486	15	35.6	38.11	21	35.6	F2	C8	7984	C -3810875
31	9.8	8.7W	3 16.631	0.0003	21	-32 45 33.77	-0.002	21	0.43	16.625	22	32.0	33.74	21	32.0	K0	C7	8363	C -3211413
32		4.3M	3 18.108	-0.0016	03	-36 40 4.52	-0.033	02	0.11	18.163	06	14.9	3.33	05	14.4	B3	F4	599	C -3610642
33	9.5	9.3W	3 18.769	-0.0030	21	-31 12 27.87	0.052	21	0.43	18.823	22	32.0	28.81	21	32.0	F2	C7	8364	C -3012830
34		10.0W	3 25.716	-0.0069	13	-35 42 2.72	0.020	13	0.26	25.815	15	35.6	3.01	21	35.6	G0 L	C8	7986	C -3510723
35	10.7		3 32.979	-0.0082	21	-33 48 31.73	-0.016	21	0.43	33.126	22	32.0	31.45	21	32.0	A	C7	8365	C -3310924
36	9.3	8.7W	3 41.486	-0.0027	13	-36 15 34.70	0.015	13	0.26	41.525	15	35.6	34.91	21	35.6	G5	C8	7987	C -3610645
37	9.8	9.5W	3 46.688	-0.0027	21	-34 9 5.77	-0.007	21	0.43	46.736	22	32.0	5.65	21	32.0	A3	C7	8366	C -3310925
38	11.0	9.5W	3 50.980	0.0019	21	-33 1 29.09	-0.020	21	0.43	50.945	22	32.0	28.74	21	32.0	G5 L	C7	8367	C -3211422
39	9.8	9.6W	3 53.452	-0.0019	21	-34 1 42.02	0.007	21	0.43	53.486	22	32.0	42.15	21	32.0	A2	C7	8368	C -3310926
40		7.5T	3 58.269	0.0014	15	-33 0 51.41	-0.040	12	0.71	58.219	17	01.0	49.37	17	98.7	A5	GC	21645	C -3211425
41		5.8T	3 58.584	0.0055	10	-36 37 17.80	-0.046	08	0.51	58.301	17	98.9	15.39	17	97.0	F0	GC	21647K	C -3610648
42		8.0T	4 4.453	0.0009	18	-33 34 32.77	-0.048	14	0.82	4.412	19	02.2	30.35	19	99.4	A0	GC	21651K	C -3310931
43	9.5	9.5W	4 6.420	-0.0029	21	-31 27 10.14	-0.007	21	0.43	6.473	22	32.0	10.01	21	32.0	A5	C7	8371	C -3112570
44	10.7	10.1W	4 11.000	0.0024	21	-33 41 12.59	0.014	21	0.43	10.956	22	32.0	12.85	21	32.0		C7	8372	C -3310933
45	10.4	9.7W	4 12.346	-0.0215	21	-30 16 52.71	-0.107	21	0.43	12.732	22	32.0	50.79	21	32.0	G5	C7	8373	C -3012846
46	10.4	9.5W	4 14.232	-0.0044	13	-35 40 49.70	0.001	13	0.26	14.295	15	35.6	49.71	21	35.6	K0	C8	7989	C -3510733
47	9.6	9.3W	4 17.012	-0.0059	18	-38 57 58.73	-0.043	18	0.32	17.097	15	35.6	58.11	21	35.6	F8	C8	7991	C -3810883
48		6.8T	4 17.154	0.0040	11	-36 35 12.34	0.017	08	0.53	16.952	17	00.1	13.22	18	96.7	K0	GC	21654	C -3610649
49	9.1	8.9W	4 21.756	-0.0007	18	-37 17 17.47	-0.018	18	0.32	21.766	15	35.6	17.21	21	35.6	A2	C8	7992	C -3710706
50	10.4	10.1W	4 22.812	-0.0016	13	-35 47 9.52	-0.035	13	0.26	22.835	15	35.6	9.01	21	35.6	A0	C8	7993	C -3510736
51	9.1	8.6W	16 4 24.597	-0.0031	21	-31 25 8.13	-0.057	21	0.43	24.653	22	32.0	7.11	21	32.0	G5	C7	8374	C -3112577
52	10.6	9.5W	4 28.639	0.0002	13	-37 4 22.88	-0.060	13	0.26	28.636	15	35.6	22.01	21	35.6	K0 L	C8	7994	C -3610650
53	9.8	9.5W	4 28.868	0.0015	13	-37 36 38.77	0.038	13	0.26	28.845	15	35.6	39.31	21	35.6	B8	C8	7995	C -3710708
54	8.9	8.6W	4 30.057	-0.0041	13	-36 52 37.56	-0.038	13	0.26	30.116	15	35.6	37.01	21	35.6	F5	C8	7996	C -3610651
55	9.6	9.7W	4 30.371	-0.0004	13	-39 43 26.60	-0.027	13	0.26	30.378	15	35.6	26.21	21	35.6	A0	C8	7997	C -3910322
56	8.8	8.0W	4 30.619	-0.0024	21	-30 25 48.48	-0.011	21	0.43	30.662	22	32.0	48.28	21	32.0	K0	C7	8375	C -3012848
57	10.7	9.2W	4 31.252	-0.0008	21	-33 58 33.96	0.027	21	0.43	31.266	22	32.0	34.45	21	32.0	K0	C7	8376	C -3310936
58	10.6	9.8W	4 35.252	-0.0006	21	-30 46 34.42	0.005	21	0.43	35.263	22	32.0	34.51	21	32.0	K0	C7	8377	C -3012849
59	11.1	10.3W	4 35.761	-0.0042	21	-34 18 16.00	0.019	21	0.43	35.836	22	32.0	16.35	21	32.0		C7	8378	C -3410778
60	8.1	8.5W	4 40.887	-0.0014	21	-30 28 38.01	-0.035	21	0.43	40.912	22	32.0	37.38	21	32.0	A0	C7	8379	C -3012852
61	9.2	9.1W	4 41.999	-0.0013	21	-30 34 50.28	-0.015	21	0.43	42.023	22	32.0	50.01	21	32.0	A2	C7	8380	C -3012853
62		6.9T	4 47.757	-0.0004	12	-36 5 56.13	-0.024	11	0.60	47.778	18	00.1	54.91	18	98.5	B9	GC	21666	C -3511742
63	10.1	9.1W	5 1.378	-0.0036	21	-31 28 34.53	-0.018	21	0.43	1.443	22	32.0	34.21	21	32.0	K0	C7	8381	C -3112587
64	11.1	9.8W	5 3.287	-0.0033	21	-33 52 30.85	-0.017	21	0.43	3.346	22	32.0	30.55	21	32.0		C7	8382	C -3310942
65	8.5	8.8W	5 3.670	-0.0026	21	-33 54 5.94	0.000	21	0.43	3.716	22	32.0	5.95	21	32.0	A0	C7	8383	C -3310943
66	9.3	9.0W	5 9.781	-0.0131	21	-34 23 2.33	0.023	21	0.43	10.016	22	32.0	2.75	21	32.0	F8	C7	8384	C -3410787
67		6.4T	5 12.782	-0.0017	11	-38 58 22.67	-0.033	09	0.58	12.870	19	97.1	20.86	19	94.4	A0	GC	21679K	C -3810893
68		6.7T	5 13.026	-0.0024	11	-38 57 38.56	-0.037	09	0.57	13.152	19	96.4	36.45	18	92.2	A0	GC	21680K	C*-3810894
69	10.4	9.9W	5 14.858	-0.0027	21	-34 28 14.23	-0.038	21	0.43	14.906	22	32.0	13.55	21	32.0		C7	8385	C -3410788
70	8.3	8.4W	5 16.261	-0.0024	21	-35 1 53.32	-0.012	21	0.43	16.304	22	32.0	53.11	21	32.0	A3	C7	8386	C -3410789
71	9.3	9.1W	5 22.221	-0.0046	21	-31 47 15.81	-0.038	21	0.43	22.304	22	32.0	15.12	21	32.0	F0	C7	8387	C -3112593
72	9.8	10.0W	5 32.575	-0.0034	13	-35 24 52.70	-0.027	13	0.26	32.624	15	35.6	52.31	21	35.6	A2	C8	8001	C -3510752
73	11.0	9.3W	5 37.976	-0.0033	21	-32 42 51.09	0.002	21	0.43	38.035	22	32.0	51.14	21	32.0	G5 L	C7	8388	C -3211445
74	10.2	9.3W	5 39.672	0.0011	08	-36 48 24.02	-0.056	08	0.22	39.656	15	35.6	23.21	21	35.6	G5	C8	8002	C -3610660
75	10.2	9.5W	5 39.951	0.0004	21	-31 54 21.14	-0.034	21	0.43	39.944	22	32.0	20.52	21	32.0	G5	C7	8389	C -3112597
76	10.1	10.0W	5 42.959	-0.0037	21	-34 38 47.65	-0.022	21	0.43	43.027	22	32.0	47.26	21	32.0	A	C7	8390	C -3410795
77	10.0	9.8W	5 43.549	-0.0012	18	-37 56 58.14	0.005	18	0.32	43.566	15	35.6	58.21	21	35.6	F8	C8	8003	C -3710713
78	10.4	8.7W	5 44.279	-0.0043	21	-34 36 59.42	-0.043	21	0.43	44.357	22	32.0	58.65	21	32.0	K5 L	C7	8391	C -3410796
79	10.8	9.5W	5 44.796	-0.0028	13	-37 0 28.69	-0.047	13	0.26	44.836	15	35.6	28.01	21	35.6	K0 L	C8	8005	C -3610662
80	10.7		5 47.664	-0.0036	18	-38 15 24.07	-0.032	18	0.32	47.715	15	35.6	23.61	21	35.6	A0 L	C8	8006	C -3810901
81	10.3	9.0W	5 48.023	0.0021	21	-32 56 20.57	-0.030	21	0.43	47.985	22	32.0	20.04	21	32.0	K0	C7	8392	C -3211448
82	9.4	9.1W	5 53.730	0.0009	21	-31 57 55.35	-0.018	21	0.43	53.714	22	32.0	55.02	21	32.0	F5	C7	8393	C -3112601
83	9.4	9.1W	5 55.003	-0.0045	13	-39 30 55.23	-0.022	13	0.26	55.067	15	35.6	54.91	21	35.6	F8	C8	8007	C -3910334
84	10.8	9.5W	5 55.154	-0.0011	21	-31 56 41.07	0.020	21	0.43	55.174	22	32.0	41.42	21	32.0	G0 L	C7	8394	C -3112602
85	8.5	8.3W	5 55.936	0.0030	21	-30 7 38.94	-0.020	21	0.43	55.882	22	32.0	38.58	21	32.0	G0	C7	8395	C -2912314
86	10.1	9.9W	6 0.247	-0.0034	13	-37 2 17.95	-0.079	13	0.26	0.296	15	35.6	16.81	21	35.6	G0 L	C8	8008	C -3610664
87	10.3	10.0W	6 0.293	-0.0064	13	-36 1 32.71	-0.007	13	0.26	0.385	15	35.6	32.61	21	35.6	F8	C8	8009	C -3510765
88		7.5T	6 0.496	-0.0005	13	-31 57 53.45	-0.300	10	0.64	0.519	18	00.2	37.69	17	97.4	G0	GC	21701	C -3112603
89	9.2	8.7W	6 1.522	-0.0057	06	-35 21 58.68	-0.123	06	0.20	1.604	15	35.6	56.91	21	35.6	G5	C8	8010	C -3510761
90	10.6	8.8W	6 5.707	-0.0047	23	-35 36 20.07	0.017	23	0.38	5.775	15	35.6	20.31	21	35.6	K2	C8	8011	C -3510763
91	10.2	9.0W	6 7.025	0.0027	09	-36 55 58.09	-0.033	09	0.22	6.986	15	35.6	57.61	21	35.6	K0	C8	8012	C -3610666
92	8.3	8.3W	6 10.125	-0.0024	21	-34 50 14.98	-0.015	21	0.43	10.167	22	32.0	15.26	21	32.0	A2	C7	8397	C -3410802
93	9.0	8.7W	6 12.546	0.0000	13	-37 2 48.07	-0.011	13	0.26	12.546	15	35.6	47.91	21	35.6	A2	C8	8013	C -3610668
94	10.2	8.9W	6 16.874	-0.0045	21	-35 1 23.71	-0.050	21	0.43	16.954	22	32.0	22.81	21	32.0	K0	C7	8398	C -3410803
95		7.1T	6 18.080	-0.0041	12	-30 55 15.68	-0.051	10	0.62	18.294	15	97.4	12.81	17	94.2	F0	GC	21711K	C*-3012880
96		6.7T	6 20.295	-0.0020	10	-32 31 5.07	-0.055	08	0.53	20.412	15	92.8	2.06	14	94.9	G5	GC	21713K	C -3211456
97		7.5T	6 20.934	-0.0025	12	-32 31 3.68	-0.045	12	0.69	21.078	19	90.3	1.31	18	97.0	G5	GC	21714K	C -3211456
98	10.2	9.8W	6 21.444	-0.0005	21	-30 25 50.24	0.008	21	0.43	21.452	22	32.0	50.38	21	32.0	F8	C7	8401	C -3012881
99	9.8	8.3W	6 24.858	-0.0025	21	-31 12 27.15	-0.041	21	0.43	24.903	22	32.0	26.41	21	32.0	K0	C7	8402	C -3112608
00	9.9	9.5W	6 25.673	0.0032	21	-32 35 58.61	-0.027	21	0.43	25.615	22	32.0	58.14	21	32.0	F0	C7	8403	C -3211457

207400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 16H DM NUMBER
1	10.3	8.7W	16 6 29.677	0.0012	21	-33 21 30.05	0.021	21	0.43	29.655	22	32.0	30.44	21	32.0	K5		C7	8404	C -3310958
2	9.6	9.4W	6 32.991	-0.0025	21	-33 13 36.26	0.093	21	0.43	33.035	22	32.0	37.94	21	32.0	A2		C7	8405	C -3310959
3		5.6T	6 39.866	-0.0020	06	-33 24 53.97	-0.061	05	0.26	39.951	09	06.5	51.20	09	04.3	B8		GC	21722	C*-3310961
4	8.8	8.7W	6 41.735	0.0001	21	-31 28 24.36	-0.014	21	0.43	41.733	22	32.0	24.10	21	32.0	F5		C7	8407	C*-3112614
5		7.2T	6 44.412	0.0019	10	-35 30 39.82	-0.065	09	0.42	44.334	14	08.3	37.02	14	06.6	G0		GC	21725	C*-3510772
6	10.2	8.9W	6 44.560	0.0004	21	-31 6 36.46	-0.003	21	0.43	44.553	22	32.0	36.40	21	32.0	K2		C7	8408	C -3012889
7		7.1T	6 47.148	0.0001	11	-39 59 55.71	-0.030	11	0.64	47.141	18	97.3	54.01	17	92.5	B5		GC	21727K	C*-3910338
8	10.2	9.3W	6 47.253	0.0017	21	-30 9 0.82	0.048	21	0.43	47.222	22	32.0	1.69	21	32.0	K0		C7	8409	C -2912328
9	9.7	9.5W	6 47.616	0.0028	13	-36 30 52.53	-0.050	13	0.26	47.576	15	35.6	51.81	21	35.6	B8		C8	8016	C -3610674
10	10.3	9.8W	6 51.755	-0.0050	21	-32 36 36.44	-0.017	21	0.43	51.845	22	32.0	36.14	21	32.0	F2		C7	8410	C -3211466
11	10.4	10.1W	7 12.176	-0.0034	21	-34 15 16.32	0.029	21	0.43	12.236	22	32.0	16.85	21	32.0	A0		C7	8411	C -3410815
12	10.4	9.5W	7 13.053	-0.0017	21	-32 9 9.10	-0.015	21	0.43	13.084	22	32.0	8.82	21	32.0	G5		C7	8412	C -3112619
13	10.7		7 14.300	-0.0059	13	-35 52 5.22	0.083	13	0.26	14.385	15	35.6	6.41	21	35.6	A		C8	8017	C -3510777
14	9.0	8.8W	7 15.517	-0.0009	21	-30 24 0.51	0.026	21	0.43	15.532	22	32.0	0.99	21	32.0	F2		C7	8413	C -3012902
15	9.5	9.0W	7 18.099	0.0009	09	-36 42 51.81	-0.076	09	0.22	18.086	15	35.6	50.71	21	35.6	G0		C8	8018	C -3610680
16	10.7	9.7W	7 19.581	-0.0038	08	-37 2 29.11	-0.055	08	0.22	19.636	15	35.6	28.31	21	35.6	K0	L	C8	8019	C -3610679
17	10.7	9.8W	7 19.715	-0.0006	21	-32 59 33.60	0.018	21	0.43	19.725	22	32.0	33.94	21	32.0	G2	L	C7	8414	C -3211475
18	9.7	8.8W	7 22.639	-0.0015	21	-33 18 7.28	-0.064	21	0.43	22.665	22	32.0	6.14	21	32.0	G5		C7	8415	C -3310969
19	9.5	9.2W	7 24.201	-0.0025	21	-32 37 55.34	-0.034	21	0.43	24.245	22	32.0	54.74	21	32.0	F5		C7	8416	C -3211472
20	10.3	9.5W	7 30.642	-0.0069	21	-34 20 52.00	-0.031	21	0.43	30.766	22	32.0	51.45	21	32.0	G5		C7	8417	C -3410819
21	10.2	9.7W	7 35.514	-0.0061	21	-32 1 27.94	0.005	21	0.43	35.624	22	32.0	28.02	21	32.0	F8		C7	8418	C -3112627
22	10.7	9.0W	7 41.809	-0.0011	13	-36 23 33.17	0.010	13	0.26	41.825	15	35.6	33.31	21	35.6	K0		C8	8020	C -3610685
23		7.9T	7 46.298	-0.0054	12	-39 59 52.08	-0.115	11	0.62	46.574	19	98.6	45.97	19	96.7	F2		GC	21746	C -3910346
24	9.9	9.7W	7 49.540	-0.0045	13	-35 46 15.37	-0.004	13	0.26	49.605	15	35.6	15.31	21	35.6	A0		C8	8022	C -3510784
25	10.9	9.5W	7 50.704	-0.0027	21	-30 22 49.23	0.025	21	0.43	50.752	22	32.0	49.68	21	32.0			C7	8419	C -3012908
26	11.1	10.1W	7 51.586	-0.0015	21	-31 10 14.42	-0.001	21	0.43	51.613	22	32.0	14.40	21	32.0	G0	L	C7	8420	C -3012905
27	9.2	9.0W	7 56.055	-0.0008	18	-37 19 53.91	-0.021	18	0.32	56.066	15	35.6	53.61	21	35.6	F5	L	C8	8023	C -3710726
28	10.8		7 58.040	-0.0040	18	-38 30 46.51	-0.021	18	0.32	58.097	15	35.6	46.21	21	35.6			C8	8024	C -3810911
29	10.2	10.0W	8 1.268	-0.0021	21	-32 30 42.24	-0.023	21	0.43	1.305	22	32.0	41.84	21	32.0	A0		C7	8421	C -3211476
30	10.0	9.4W	8 2.171	0.0003	10	-39 20 29.99	-0.040	10	0.23	2.167	15	35.6	29.41	21	35.6	A0		C8	8025	C -3910349
31		8.3T	8 5.159	0.0000	16	-31 39 27.53	-0.004	12	0.73	5.157	17	01.0	27.35	17	98.4	A0		GC	21754	C -3112634
32		9.1W	8 13.432	-0.0016	13	-36 15 3.04	-0.023	13	0.26	13.455	15	35.6	2.71	21	35.6	K0	L	C8	8026	C -3610687
33	8.3	8.5W	8 15.899	-0.0030	21	-30 36 31.67	0.002	21	0.43	15.953	22	32.0	31.71	21	32.0	A0		C7	8423	C -3012914
34	10.1	9.9W	8 16.173	-0.0036	13	-35 34 21.30	0.001	13	0.26	16.225	15	35.6	21.31	21	35.6	A0		C8	8027	C -3510793
35	10.2	9.2W	8 20.611	0.0008	21	-33 30 5.76	0.027	21	0.43	20.596	22	32.0	6.25	21	32.0	K0		C7	8424	C -3310980
36	9.5	9.3W	8 23.245	-0.0027	21	-31 39 27.35	-0.012	21	0.43	23.294	22	32.0	27.12	21	32.0	A3		C7	8425	C -3112637
37		9.8W	8 23.848	-0.0039	13	-35 15 16.20	-0.020	13	0.26	23.904	15	35.6	15.91	21	35.6			C8	8028	C -3510796
38	10.1	9.1W	8 33.730	-0.0048	21	-34 21 43.39	0.003	21	0.43	33.816	22	32.0	43.45	21	32.0	G5		C7	8426	C -3410833
39	9.6	8.5W	8 35.396	-0.0033	21	-33 23 42.30	-0.304	21	0.43	35.455	22	32.0	36.84	21	32.0	K0		C7	8427	C -3310983
40	9.3	8.3W	8 35.869	-0.0036	12	-37 7 51.63	-0.089	21	0.43	35.934	22	32.0	50.02	21	32.0	G5		C7	8428	C -3112643
41	8.8	8.6W	8 36.106	-0.0061	09	-35 28 42.56	-0.031	09	0.22	36.194	15	35.6	42.11	21	35.6	F5		C8	8029	C -3510800
42	11.0	10.4W	8 51.178	0.0003	21	-30 59 46.34	0.004	21	0.43	51.173	22	32.0	46.41	21	32.0	G0	L	C7	8429	C -3012921
43	10.5	10.0W	8 59.960	-0.0057	21	-30 44 40.24	-0.152	21	0.43	+ 0.063	22	32.0	37.50	21	32.0	G0		C7	8430	C -3012925
44	10.9	9.7W	9 10.686	-0.0132	18	-37 58 41.84	-0.037	18	0.32	10.876	15	35.6	41.31	21	35.6	K2		C8	8031	C -3710729
45	10.2	9.6W	9 13.228	-0.0016	21	-33 53 9.04	0.017	21	0.43	13.256	22	32.0	9.35	21	32.0	G5		C7	8431	C -3310992
46	10.5	9.9W	9 14.632	-0.0045	21	-30 48 30.48	0.024	21	0.43	14.713	22	32.0	30.91	21	32.0	F8		C7	8432	C -3012930
47	7.9	7.8W	9 16.384	-0.0009	13	-39 36 51.88	-0.005	13	0.26	16.398	15	35.6	51.81	21	35.6	F2		C8	8032	C -3910355
48	10.9	9.6W	9 20.160	-0.0013	21	-32 17 35.07	-0.019	21	0.43	20.184	22	32.0	34.72	21	32.0	F8		C7	8433	C -3211497
49	10.8	9.1W	9 20.389	-0.0041	21	-30 44 8.50	0.006	21	0.43	20.463	22	32.0	8.61	21	32.0	K5		C7	8434	C -3012932
50		10.0W	9 30.174	-0.0085	13	-36 58 2.00	-0.041	13	0.26	30.296	15	35.6	1.41	21	35.6	G8	L	C8	8033	C -3610697
51		8.0R	16 9 31.590	0.0034	20	-30 1 28.98	-0.059	20	0.36	31.534	16	33.5	28.00	16	33.5	F0	J	13B	10164	J -2912362
52	10.1	9.9W	9 33.342	-0.0028	21	-31 27 17.63	-0.001	21	0.43	33.393	22	32.0	17.61	21	32.0	A5		C7	8435	C -3112661
53	11.2	9.6W	9 38.804	-0.0046	21	-31 38 21.86	-0.065	21	0.42	38.884	22	32.6	20.72	21	32.6			C7	8436	C -3112664
54	10.1	9.7W	9 39.101	-0.0055	21	-34 21 35.07	-0.082	21	0.42	39.196	22	32.6	33.65	21	32.6	G0		C7	8437	C -3410851
55	10.9	9.4W	9 39.647	-0.0032	21	-31 5 22.62	-0.001	21	0.42	39.703	22	32.6	22.60	21	32.6	K	L	C7	8438	C -3012935
56	9.1	8.6W	9 39.918	-0.0033	13	-35 58 45.20	-0.006	13	0.26	39.965	15	35.6	45.11	21	35.6	F8		C8	8034	C -3510815
57	10.0	9.5W	9 41.339	0.0007	21	-33 43 10.98	0.015	21	0.42	41.326	22	32.6	11.25	21	32.6	G5		C7	8439	C -3311997
58	9.7	9.7W	9 42.913	-0.0069	21	-30 40 19.42	-0.018	21	0.42	43.033	22	32.6	19.11	21	32.6	F0		C7	8440	C -3012936
59	10.3	10.1W	9 44.751	-0.0031	13	-36 35 0.79	0.022	13	0.26	44.796	15	35.6	1.11	21	35.6	F5		C8	8035	C -3610699
60	9.9	9.9W	9 51.905	-0.0039	21	-30 23 30.25	0.025	21	0.42	51.972	22	32.6	30.68	21	32.6	F2		C7	8441	C -3012937
61	10.5	10.1W	9 57.293	0.0025	18	-39 11 7.90	0.008	18	0.32	57.257	15	35.6	8.01	21	35.6	G5		C8	8036	C -3810917
62		7.5T	9 58.106	-0.0003	15	-34 10 48.51	-0.019	13	0.71	58.093	18	01.8	47.57	18	99.8	M0		GC	21799	C*-3311001
63		9.8W	10 1.570	-0.0039	13	-37 18 9.73	-0.022	13	0.26	1.626	15	35.6	9.41	21	35.6	G5	L	C8	8037	C -3710737
64	11.1	10.1W	10 3.849	-0.0048	21	-30 51 13.63	0.045	21	0.42	3.933	22	32.6	14.41	21	32.6	G2	L	C7	8443	C -3012940
65	10.5	9.7W	10 7.129	-0.0062	21	-34 27 59.34	-0.023	21	0.42	7.236	22	32.6	58.95	21	32.6	G5		C7	8444	C -3410860
66	8.0	7.9W	10 11.334	-0.0069	21	-32 0 10.15	-0.145	21	0.42	11.454	22	32.6	7.62	21	32.6	F5		C7	8445	C -3112671
67	9.6	9.4W	10 15.045	0.0017	21	-33 27 44.10	0.019	21	0.42	15.015	22	32.6	44.44	21	32.6	F8		C7	8446	C -3311007
68	10.0	10.0W	10 15.705	-0.0058	21	-33 52 34.93	-0.005	21	0.42	15.806	22	32.6	34.85	21	32.6	A2		C7	8447	C -3311006
69		9.5W	10 26.874	0.0020	13	-35 46 0.87	-0.032	13	0.26	26.845	15	35.6	0.41	21	35.6			C8	8038	C -3510824
70	9.1	9.2W	10 27.955	-0.0007	09	-35 40 18.06	-0.038	09	0.22	27.965	15	35.6	17.51	21	35.6	A0		C8	8039	C -3510825
71		10.5W	10 30.732	-0.0009	13	-35 40 19.85	-0.086	13	0.26	30.745	15	35.6	18.61	21	35.6	A0		C8	8040	C -3510825
72	9.6	8.4W	10 32.821	-0.0014	21	-32 47 8.31	-0.016	21	0.42	32.845	22	32.6	8.04	21	32.6	K0		C7	8448	C -3211517
73	9.2	9.2W	10 33.190	-0.0036	21	-30 21 17.02	0.021	21	0.42	33.252	22	32.6	17.38	21	32.6	F0		C7	8449	C -3012947
74	9.7	9.5W	10 35.531	-0.0017	18	-39 3 40.58	-0.060	18	0.32	35.557	15	35.6	39.71	21	35.6	F5		C8	8042	C -3810919
75	10.6	8.8W	10 41.989	0.0002	21	-32 57 7.10	0.013	21	0.42	41.985	22	32.6	7.34	21	32.6	K5		C7	8450	C -3211519
76		7.8T	10 42.633	-0.0004	12	-30 5 7.64	-0.031	10	0.61	42.653	18	97.5	5.93	18	94.9	F8		GC	21812	C -2912380
77	10.8	9.2W	10 48.993	-0.0036	13	-35 38 19.11	-0.021	13	0.26	49.045	15	35.6	18.81	21	35.6	K0		C8	8043	C -3510830
78		9.3R	10 51.120	-0.0028	20	-30 5 25.07	-0.037	20	0.36	51.165	16	33.5	24.46	16	33.5	K0	M	13B	10180	J -2912382
79		6.6T	11 1.844	-0.0046	12	-31 32 3.39	-0.257	12	0.65	2.083	15	97.5	49.78	15	97.0	G0		GC	21823	C -3112689
80		6.1T	11 9.960	-0.0011	10	-32 53 7.56	-0.036	08	0.38	10.002	10	09.2	6.09	12	08.7	K0		GC	21829	C -3211525
81	8.5	8.1W	11 15.250	0.0009	13	-39 27 39.82	-0.035	13	0.26	15.236	15	35.6	39.31	21	35.6	A2		C8	8044	C -3910364
82	7.7	7.8W	11 21.068	-0.0027	09	-39 0 19.27	-0.018	09	0.22	21.106	15	35.6	19.01	21	35.6	F0		C8	8045	C -3810924
83	9.7	9.2W	11 21.744	-0.0009	13	-38 31 11.08	-0.053	13	0.26	21.757	15	35.6	10.31	21	35.6	G0		C8	8046	C -3810926
84	9.5	9.3W	11 27.348	-0.0061	21	-31 48 52.77	-0.054	21	0.42	27.454	22	32.6	51.82	21	32.6	F5		C7	8454	C -3112692
85	10.8		11 33.143	0.0012	18	-37 54 6.91	-0.014	18	0.32	33.126	15	35.6	6.71	21	35.6	G5	L	C8	8048	C -3710743
86	9.7	9.3W	11 33.439	0.0031	21	-32 45 57.88	-0.020	21	0.42	33.385	22	32.6	57.54	21	32.6	G0		C7	8455	C -3211533
87		7.0T	11 34.686	-0.0020	16	-39 30 8.76	-0.039	08	0.66	34.778	21	03.0	6.61	19	94.3	A0		GC	21835	C -3910367
88	10.0	8.0W	11 45.431	0.0010	21	-32 19 15.01	-0.022	21	0.42	45.414	22	32.6	14.62	21	32.6	K5		C7	8456	C -3211537
89			11 49.888	-0.0040	21	-34 42 59.42	-0.004	21	0.42	49.957	22	32.6	59.35	21	32.6	G0	L	C7	8457	C*-3410881
90	10.4	10.0W	11 59.153	-0.0066	21	-34 43 27.61	-0.032	21	0.42	59.267	22	32.6	27.06	21	32.6	F5		C7	8458	C -3410885
91	10.2	10.2W	12 0.594	-0.0036	21	-34 1 55.49	-0.026	21	0.42	0.656	22	32.6	55.05	21	32.6	A0		C7	8459	C -3311032
92	9.8	9.7W	12 15.107	-0.0026	13	-35 8 21.67	-0.018	13	0.26	15.144	15	35.6	21.41	21	35.6	A2		C8	8050	C -3410891
93	10.5	9.6W	12 49.867	-0.0032	21	-31 0 7.72	0.028	21	0.42	49.923	22	32.6	8.20	21	32.6	K6		C7	8460	C -3012985
94		7.5T	12 54.756	0.0002	12	-30 29 53.14	-0.035	10	0.62	54.745	17	97.6	51.06	18	91.1	F0		GC	21866	C -3012986
95		10.0W	13 0.865	-0.0041	21	-34 24 31.72	-0.010	21	0.42	0.932	22	32.6	31.55	21	32.6	K0	L	C7	8462	C -3410900
96		8.7W	13 6.722	-0.0037	13	-35 47 36.62	-0.063	13	0.26	6.775	15	35.6	35.71	21	35.6	K5		C8	8052	C -3510853
97	9.5	9.3W	13 6.729	-0.0012	13	-38 36 47.57	-0.073	13	0.26	6.747	15	35.6	46.51	21	35.6	F5		C8	8051	C -3810932
98	10.7	10.2W	13 7.004	-0.0099	13	-38 5 40.61	-0.062	13	0.26	7.146	15	35.6	39.71	21	35.6	F8		C8	8053	C -3710749
99	10.7	9.4W	13 8.706	-0.0048	13	-35 47 9.17	-0.032	13	0.26	8.775	15	35.6	8.71	21	35.6	G8	L	C8	8054	C -3510856
00	9.7	9.2W	13 9.382	0.0004	13	-36 37 29.89	-0.026	13	0.26	9.376	15	35.6	29.51	21	35.6	G5		C8	8055	C -3610714

207500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 16H DM NUMBER
1	10.0	9.6W	16 13 11.030	-0.0019	21	-30 34 37.26	-0.020	21	0.42	11.063	22	32.6	37.61	21	32.6	G5		C7	8463	C -3012989
2	9.6	9.3W	13 12.989	-0.0014	21	-32 27 16.11	-0.028	21	0.42	13.014	22	32.6	15.62	21	32.6	F5		C7	8464	C -3211554
3	10.5	9.8W	13 19.812	-0.0058	13	-36 26 46.64	-0.002	13	0.26	19.895	15	35.6	46.61	21	35.6	A3		C8	8057	C -3615715
4	10.1	9.9W	13 26.120	-0.0011	18	-37 48 49.30	-0.020	18	0.32	26.135	15	35.6	49.01	21	35.6	A0		C8	8058	C -3715752
5	9.8	9.1W	13 27.186	-0.0048	08	-36 11 55.49	-0.123	08	0.22	27.255	15	35.6	53.71	21	35.6	G5		C8	8059	C -3615716
6	10.6	10.5W	13 31.308	0.0002	13	-35 49 46.80	-0.048	13	0.26	31.305	15	35.6	46.11	21	35.6	F8	L	C8	8060	C -3510859
7	9.8	9.8W	13 33.046	-0.0023	21	-32 37 7.48	-0.003	21	0.42	33.085	22	32.6	7.54	21	32.6	A0		C7	8465	C -3211559
8	10.7	9.8W	13 33.532	-0.0024	21	-31 40 38.48	-0.026	21	0.42	33.574	22	32.6	38.02	21	32.6	K0	L	C7	8466	C -3112724
9	9.9	9.6W	13 34.343	-0.0048	21	-33 44 36.63	-0.026	21	0.42	34.426	22	32.6	36.15	21	32.6	F8		C7	8467	C -3311047
10	10.0	8.8W	13 35.700	-0.0013	21	-30 45 34.89	-0.028	21	0.42	35.723	22	32.6	34.41	21	32.6	K0		C7	8468	C -3012997
11	10.6	10.3W	13 46.743	-0.0058	21	-31 41 13.75	-0.013	21	0.42	46.844	22	32.6	13.52	21	32.6	G0	L	C7	8469	C -3112730
12	9.7	9.4W	13 49.538	0.0013	21	-33 27 50.32	-0.034	21	0.42	49.515	22	32.6	49.74	21	32.6	F8		C7	8470	C -3311051
13	10.5	10.0W	14 2.954	-0.0098	13	-35 49 31.78	-0.074	13	0.26	3.095	15	35.6	30.71	21	35.6	G0	L	C8	8061	C -3510863
14	10.6	9.5W	14 6.610	-0.0038	21	-34 32 57.31	0.008	21	0.42	6.677	22	32.6	57.45	21	32.6	K0	L	C7	8471	C -3410909
15	10.8	9.2W	14 6.827	0.0006	13	-39 41 37.97	-0.054	13	0.26	6.818	15	35.6	37.91	21	35.6	K0		C8	8062	C -3910383
16		8.8Q	14 10.602	-0.0060	17	-34 41 49.02	0.125	17	0.83	10.885	19	02.4	54.97	21	02.4			GC	21891K	C -3410911
17		8.6Q	14 11.391	0.0026	17	-34 41 53.42	0.074	15	0.81	11.264	21	01.8	57.11	21	00.2	F8		GC	21892K	C*-3410911
18	9.7	9.6W	14 24.645	-0.0024	21	-33 39 13.35	-0.012	21	0.42	24.686	22	32.6	13.15	21	32.6	A0		C7	8473	C -3311058
19	7.8	7.8W	14 25.330	-0.0039	06	-37 37 52.05	-0.086	06	0.20	25.385	15	35.6	50.81	21	35.6	F2		C8	8063	C -3710757
20	11.0	9.4W	14 30.082	-0.0052	21	-30 23 24.63	0.026	21	0.42	30.172	22	32.6	25.08	21	32.6	K5		C7	8474	C -3013007
21	10.2	10.5W	14 44.959	-0.0088	21	-30 21 27.33	0.049	21	0.42	45.112	22	32.6	28.19	21	32.6	A0		C7	8475	C -3013013
22	10.0	8.9W	14 47.084	-0.0007	21	-34 30 10.70	0.009	21	0.42	47.097	22	32.6	10.86	21	32.6	K0		C7	8476	C -3410918
23	9.9	9.8W	14 48.984	0.0115	13	-39 37 35.54	-0.370	13	0.26	48.817	15	35.6	30.21	21	35.6	F8		C8	8064	C -3910388
24	8.1	8.3W	14 54.679	-0.0043	21	-31 31 48.30	-0.007	21	0.42	54.754	22	32.6	48.42	21	32.6	A0		C7	8477	C -3112749
25		7.5T	14 58.721	-0.0003	13	-34 47 35.60	-0.003	12	0.66	58.734	17	99.9	35.44	18	97.7	K5		GC	21903	C*-3410921
26	9.1	9.2W	14 58.943	-0.0017	21	-31 27 26.86	0.014	21	0.42	58.973	22	32.6	27.10	21	32.6	A2		C7	8479	C -3112750
27	10.0	9.6W	15 2.617	0.0020	21	-31 29 26.83	-0.013	21	0.42	2.583	22	32.6	26.61	21	32.6	G5		C7	8480	C -3112752
28		7.7T	15 2.704	0.0025	18	-36 26 41.71	-0.036	13	0.81	2.585	21	02.0	43.57	19	99.0	F8		GC	21905	C -3610727
29	10.0	9.8W	15 4.041	-0.0017	13	-38 40 6.09	-0.019	13	0.26	4.067	15	35.6	5.81	21	35.6	A0		C8	8067	C -3810942
30	9.7	9.6W	15 5.919	0.0030	21	-33 31 2.55	-0.029	21	0.42	5.866	22	32.6	2.05	21	32.6	F5		C7	8481	C -3311068
31	10.6	10.1W	15 7.636	-0.0035	13	-36 52 15.81	-0.090	13	0.26	7.686	15	35.6	14.51	21	35.6	G0		C8	8068	C -3610728
32	8.4	8.3W	15 7.687	-0.0022	21	-32 50 18.45	-0.007	21	0.42	7.725	22	32.6	18.34	21	32.6	F0		C7	8482	C -3211593
33			15 12.778	0.0002	13	-36 1 21.63	-0.057	13	0.26	12.775	15	35.6	20.81	21	35.6	F0	L	C8	8069	C -3510869
34	9.4	9.1W	15 13.812	-0.0008	21	-33 53 17.70	-0.009	21	0.42	13.826	22	32.6	17.55	21	32.6	G0		C7	8483	C -3311071
35	9.5	9.2W	15 16.821	-0.0053	18	-38 31 54.33	-0.022	18	0.32	16.897	15	35.6	54.01	21	35.6	F8	L	C8	8070	C -3810944
36	9.0	8.8W	15 22.567	-0.0033	13	-35 17 14.36	-0.038	13	0.26	22.614	15	35.6	13.81	21	35.6	F2		C8	8071	C -3510872
37	10.7	10.0W	15 26.946	-0.0020	13	-36 16 17.78	-0.012	13	0.26	26.975	15	35.6	17.61	21	35.6	A8	L	C8	8072	C -3610730
38	9.6	9.7W	15 27.334	0.0001	21	-31 0 18.32	-0.018	21	0.42	27.333	22	32.6	18.01	21	32.6	A0		C7	8484	C -3013023
39	10.2	9.8W	15 28.455	-0.0038	13	-35 30 13.16	-0.003	13	0.26	28.505	15	35.6	13.11	21	35.6	G0		C8	8073	C -3510874
40	11.0	9.6W	15 30.398	0.0008	21	-32 9 11.30	-0.060	21	0.42	30.384	22	32.6	10.42	21	32.6	K0	L	C7	8485	C -3112756
41		9.2R	15 35.773	0.0007	20	-30 2 29.74	0.003	20	0.36	35.761	16	33.5	29.79	16	33.5	K0	M	13B	10210	J -2912438
42	10.4	8.9W	15 38.502	-0.0037	21	-34 37 59.02	-0.027	21	0.42	38.567	22	32.6	58.55	21	32.6	K2		C7	8486	C -3410929
43	11.1	9.6W	15 39.283	0.0010	21	-33 14 15.24	-0.018	21	0.42	39.265	22	32.6	14.94	21	32.6	K0	L	C7	8487	C -3311080
44	10.7	9.8W	15 41.847	0.0001	13	-36 44 44.26	-0.066	13	0.26	41.846	15	35.6	43.31	21	35.6	F8		C8	8074	C -3610731
45	8.2	8.4W	15 45.629	-0.0031	21	-30 22 38.40	0.039	21	0.42	45.682	22	32.6	39.08	21	32.6	A0		C7	8489	C -3013028
46	9.6	8.6W	15 45.683	0.0006	21	-30 50 11.77	-0.015	21	0.42	45.673	22	32.6	11.50	21	32.6	K0		C7	8488	C -3013027
47	10.0	9.6W	15 55.214	-0.0030	21	-33 32 0.98	-0.019	21	0.42	55.266	22	32.6	0.65	21	32.6	G0		C7	8490	C -3311087
48	8.4	8.5W	15 55.566	-0.0004	21	-30 18 13.71	0.033	21	0.42	55.572	22	32.6	14.29	21	32.6	A2		C7	8491	C -3013030
49	10.8	9.6W	15 56.072	-0.0037	13	-35 35 45.52	-0.084	13	0.26	56.125	15	35.6	44.31	21	35.6	K2		C8	8075	C -3510876
50	10.8	9.6W	16 0.286	0.0013	21	-32 11 25.97	-0.020	21	0.42	0.264	22	32.6	25.62	21	32.6	K0		C7	8492	C -3211608
51		6.7T	16 16 0.607	-0.0044	15	-35 22 13.46	-0.047	13	0.73	0.823	19	00.8	11.06	19	98.4	F2		GC	21930K	C*-3510877
52	9.1	8.8W	16 2.580	-0.0019	21	-30 30 16.91	0.023	21	0.42	2.613	22	32.6	17.31	21	32.6	F8		C7	8493	C -3013032
53	10.8	10.3W	16 3.755	-0.0001	13	-37 5 23.29	-0.068	13	0.26	3.756	15	35.6	22.31	21	35.6	G0		C8	8077	C -3610732
54	10.1	9.2W	16 6.822	-0.0006	21	-30 34 53.87	0.031	21	0.42	6.833	22	32.6	54.41	21	32.6	K0		C7	8494	C -3013034
55	9.8	9.5W	16 16.345	-0.0028	13	-36 16 58.42	-0.049	13	0.26	16.385	15	35.6	57.71	21	35.6	F8		C8	8079	C -3610734
56	10.3	10.2W	16 20.378	-0.0032	21	-31 58 2.82	-0.034	21	0.42	20.434	22	32.6	2.22	21	32.6	F8		C7	8495	C -3112771
57		7.7T	16 21.397	0.0054	09	-30 46 56.30	-0.025	06	0.45	21.097	15	94.7	57.82	15	88.2	F8		GC	21940K	C -3013040
58		5.7H	16 22.623	0.0066	02	-30 47 13.84	0.019	02	0.09	22.375	05	12.6	14.48	05	16.7	F2		F4	1426	C -3013041
59	10.4	10.4W	16 26.214	-0.0022	21	-30 9 12.50	-0.039	21	0.42	28.252	22	32.6	13.18	21	32.6	F5	L	C7	8498	C -2912446
60	10.3	9.0W	16 31.573	-0.0036	21	-32 47 9.81	-0.039	21	0.42	31.635	22	32.6	9.14	21	32.6	K0		C7	8499	C -3211620
61	10.4	8.3W	16 32.909	-0.0020	13	-39 23 59.63	0.013	13	0.26	32.937	15	35.6	59.81	21	35.6	K2		C8	8060	C -3910405
62	9.1	9.2W	16 33.656	-0.0035	21	-34 1 45.13	-0.011	21	0.42	33.716	22	32.6	44.95	21	32.6	A0		C7	8500	C -3311097
63	10.8	10.4W	16 36.909	-0.0046	13	-35 45 13.46	-0.024	13	0.26	36.975	15	35.6	13.11	21	35.6	F8	L	C8	8061	C -3510885
64	9.2	9.3W	16 38.874	-0.0053	21	-34 23 55.50	-0.049	21	0.42	38.966	22	32.6	54.65	21	32.6	A0		C7	8501	C -3410940
65	9.2	8.9W	16 46.957	-0.0160	10	-39 19 22.69	-0.019	10	0.23	47.187	15	35.6	22.41	21	35.6	G5		C8	8082	C -3910408
66		7.1T	16 48.842	-0.0029	15	-39 22 50.54	-0.012	13	0.74	48.979	22	02.1	49.94	21	98.7	A0		GC	21952	C -3910410
67	9.6	9.4W	16 50.465	-0.0021	06	-36 5 31.12	-0.077	06	0.20	50.495	15	35.6	30.01	21	35.6	F8		C8	8064	C -3510890
68	9.9	9.8W	16 50.494	-0.0015	13	-36 26 47.13	-0.008	13	0.26	50.515	15	35.6	47.01	21	35.6	B9		C8	8065	C -3610738
69	9.3	9.0W	16 50.721	0.0025	06	-36 10 2.53	-0.126	06	0.20	50.685	15	35.6	0.71	21	35.6	F8		C8	8066	C -3510888
70		7.1T	16 50.939	0.0016	18	-39 30 39.50	0.007	13	0.80	50.862	19	02.8	39.87	21	99.2	G5		GC	21953	C -3910411
71	10.9	9.0W	16 50.981	-0.0017	18	-38 47 15.86	-0.114	18	0.32	51.007	15	35.6	14.21	21	35.6	K0		C8	8068	C -3810956
72	11.1	9.8W	16 56.318	-0.0068	21	-34 58 45.65	0.023	21	0.42	56.437	22	32.6	46.06	21	32.6	K2	L	C7	8502	C -3410942
73	10.2	10.3W	17 8.881	-0.0007	21	-31 19 22.06	0.014	21	0.42	8.893	22	32.6	22.30	21	32.6	A0		C7	8503	C -3112786
74		6.2T	17 9.324	-0.0011	13	-39 18 39.79	-0.066	10	0.60	9.375	19	02.1	36.39	19	98.2	A0		GC	21959K	C -3910412
75	10.9	9.6W	17 11.960	-0.0009	21	-34 51 33.43	0.024	21	0.42	11.977	22	32.6	33.85	21	32.6	K0	L	C7	8504	C -3410944
76	10.6	9.2W	17 17.654	-0.0028	21	-30 50 30.89	0.030	21	0.42	17.703	22	32.6	31.41	21	32.6	K5		C7	8505	C -3013052
77	9.5	9.2W	17 25.084	0.0016	21	-32 59 21.76	0.004	21	0.42	25.055	22	32.6	21.84	21	32.6	G0		C7	8506	C -3211634
78	10.7	10.5W	17 27.314	0.0046	21	-32 7 37.24	-0.110	21	0.42	27.234	22	32.6	35.32	21	32.6	G0	L	C7	8507	C -3112792
79	10.3	9.9W	17 29.863	-0.0034	21	-31 26 44.07	-0.032	21	0.42	29.923	22	32.6	43.51	21	32.6	F8	L	C7	8508	C -3112793
80	11.1	10.2W	17 32.780	-0.0008	21	-31 39 5.88	0.014	21	0.42	32.794	22	32.6	6.12	21	32.6	K0	L	C7	8509	C -3112795
81	10.1	9.9W	17 37.920	-0.0059	13	-35 45 52.70	-0.041	13	0.26	38.005	15	35.6	52.11	21	35.6	F8		C8	8092	C -3510896
82	9.6	9.4W	17 53.342	0.0011	21	-30 14 1.00	-0.007	21	0.42	53.322	22	32.6	0.88	21	32.6	F0		C7	8510	C -3013063
83	10.0	9.6W	17 55.053	-0.0009	18	-38 17 1.84	-0.030	18	0.32	55.065	15	35.6	1.41	21	35.6	G0		C8	8094	C -3810968
84	9.3	9.1W	17 56.663	0.0034	21	-31 38 38.55	0.039	21	0.42	56.604	22	32.6	39.22	21	32.6	F5		C7	8511	C -3112803
85	9.3	8.9W	18 10.288	0.0084	10	-39 18 46.31	-0.104	10	0.23	10.167	15	35.6	44.81	21	35.6	G5		C8	8095	C -3910418
86		7.3T	18 12.687	-0.0014	13	-33 10 59.22	-0.026	12	0.70	12.755	18	99.0	57.84	18	96.3	F5		GC	21985K	C -3211648
87		7.4T	18 20.852	0.0007	13	-33 7 1.54	-0.035	13	0.69	20.814	18	99.4	-59.79	18	99.5	K2		GC	21993	C -3211651
88		9.7W	18 23.799	0.0023	13	-37 39 34.47	0.017	13	0.26	23.766	15	35.6	34.71	21	35.6	G5		C8	8096	C -3710770
89		8.9R	18 33.724	-0.0025	17	-30 1 54.23	-0.009	17	0.31	33.764	16	33.5	54.08	16	33.5	A0	J	13B	10238	J -2912475
90	10.2	10.1W	18 34.451	-0.0043	21	-34 46 40.30	0.020	21	0.42	34.527	22	32.6	40.66	21	32.6	A0		C7	8514	C -3410954
91	10.6	9.5W	18 34.595	-0.0022	21	-32 21 59.24	-0.041	21	0.42	34.634	22	32.6	58.52	21	32.6	K0		C7	8515	C -3211654
92		9.9W	18 36.065	-0.0035	13	-36 22 33.61	0.007	13	0.26	36.115	15	35.6	33.71	21	35.6	G8	L	C8	8097	C -3610743
93	9.8	8.8W	18 36.431	-0.0082	21	-32 4 16.03	-0.046	21	0.42	36.574	22	32.6	15.22	21	32.6	K0		C7	8516	C -3112810
94	9.8	9.5W	18 42.487	-0.0022	21	-33 5 50.21	-0.085	21	0.42	42.525	22	32.6	48.74	21	32.6	G0		C7	8517	C -3211656
95	9.5	9.5W	19 1.131	-0.0032	21	-34 10 4.60	-0.009	21	0.42	1.186	22	32.6	4.45	21	32.6	A2		C7	8518	C -3311130
96	10.3	9.4W	19 9.852	0.0091	21	-32 12 51.59	-0.067	21	0.42	9.694	22	32.6	50.42	21	32.6	K0		C7	8519	C -3211665
97	9.1	8.2W	19 11.164	-0.0011	21	-31 8 2.71	0.011	21	0.42	11.183	22	32.6	2.90	21	32.6	G5		C7	8520	C -3013078
98	10.6	8.8W	19 11.278	0.0035	21	-34 13 40.01	-0.021	21	0.42	11.216	22	32.6	39.65	21	32.6	K5		C7	8521	C -3410961
99	10.1	8.2W	19 13.341	0.0032	21	-33 0 46.30	-0.010	21	0.42	13.285	22	32.6	46.14	21	32.6	K5		C7	8522	C -3211666
00	8.0	8.0W	19 17.362	0.0011	21	-31 3 56.24	0.004	21	0.42	17.343	22	32.6	56.30	21	32.6	A2		C7	8523	C -3013082

207600 -30° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.0W	16 19 18.236	0.0059	21	-32 11 38.31	-0.016	21	0.42	18.134	22	32.6	38.02	21	32.6	K0		C7	8524	C -3211668
2	10.9	10.8W	19 19.167	0.0043	21	-30 50 43.23	0.010	21	0.42	19.093	22	32.6	43.41	21	32.6	G0	L	C7	8525	C -3013084
3	8.7	8.4W	19 20.046	-0.0035	21	-33 33 29.94	0.000	21	0.42	20.106	22	32.6	29.95	21	32.6	F5		C7	8526	C -3311134
4	9.9	9.6W	19 22.776	-0.0021	21	-30 39 47.31	-0.052	21	0.42	22.813	22	32.6	46.41	21	32.6	F5	L	C7	8527	C -3013085
5	9.9	9.8W	19 28.602	-0.0016	13	-36 2 44.64	-0.002	13	0.26	28.625	15	35.6	44.61	21	35.6	A2		C8	8099	C -3510912
6			19 29.535	-0.0084	18	-37 0 28.27	-0.080	18	0.32	29.656	15	35.6	27.11	21	35.6	G5		C8	8100	C -3610748
7		10.4W	19 31.957	-0.0119	21	-31 32 8.97	0.003	21	0.42	32.164	22	32.6	9.02	21	32.6	K2	L	C7	8528	C -3112828
8	9.0	8.7W	19 42.001	-0.0007	21	-30 38 47.00	0.012	21	0.42	42.013	22	32.6	47.20	21	32.6	G0		C7	8529	C -3013090
9	9.4	8.8W	19 44.262	-0.0012	21	-30 57 38.64	0.038	21	0.42	44.283	22	32.6	39.30	21	32.6	F5		C7	8530	C -3013092
10	9.4	8.8W	19 45.074	-0.0028	21	-30 57 27.34	0.027	21	0.42	45.123	22	32.6	27.81	21	32.6	F5		C7	8531	C -3013092
11		7.0T	19 47.789	-0.0041	11	-37 18 28.15	-0.048	08	0.55	47.997	18	98.8	25.48	18	93.8	K0		GC	22014	C*-3710771
12	10.0	9.4W	19 54.927	-0.0034	21	-34 32 12.53	0.018	21	0.42	54.986	22	32.6	12.85	21	32.6	A5		C7	8532	C -3311140
13	10.6	9.1W	19 55.127	0.0002	13	-35 18 39.86	-0.003	13	0.26	55.124	15	35.6	39.81	21	35.6	K2		C8	8102	C -3510914
14		7.3T	19 55.395	-0.0017	14	-34 48 30.86	-0.070	12	0.70	55.478	18	99.4	27.13	18	96.7	F2		GC	22017	C -3410966
15	9.1	8.8W	19 57.285	-0.0018	21	-34 26 51.13	-0.051	21	0.42	57.316	22	32.6	50.25	21	32.6	F5		C7	8534	C -3410968
16	10.3	10.1W	20 1.871	-0.0043	21	-32 42 2.50	-0.004	21	0.42	1.945	22	32.6	2.44	21	32.6	G0		C7	8535	C -3211679
17	10.6	9.0W	20 15.095	0.0011	21	-33 23 1.36	-0.019	21	0.42	15.075	22	32.6	1.04	21	32.6	K0		C7	8536	C -3311144
18	9.5	9.2W	20 16.647	-0.0035	21	-34 32 53.53	-0.068	21	0.42	16.707	22	32.6	52.35	21	32.6	F5		C7	8537	C -3410969
19		9.7W	20 20.976	-0.0027	08	-36 23 10.88	-0.074	08	0.22	21.015	15	35.6	9.81	21	35.6	K0	L	C8	8105	C -3610752
20	10.1	9.6W	20 21.881	-0.0072	21	-34 33 24.71	-0.015	21	0.42	22.007	22	32.6	24.46	21	32.6	G0	L	C7	8538	C -3410971
21		8.4T	20 28.725	-0.0011	16	-36 20 9.21	-0.012	12	0.72	28.779	21	02.0	8.62	18	98.8	F0		GC	22027	C -3610753
22		5.4T	20 37.680	0.0067	06	-39 4 40.83	-0.008	05	0.25	37.400	07	08.4	40.51	07	07.5	G0		GC	22030	C*-3810983
23	9.6	8.0W	20 42.207	-0.0009	21	-30 3 57.80	0.016	21	0.42	42.222	22	32.6	58.08	21	32.6	K2		C7	8540	C -2912503
24	9.7	9.4W	20 42.902	0.0021	21	-33 3 29.59	0.008	21	0.42	42.865	22	32.6	29.74	21	32.6			C7	8541	C -3211686
25		7.1T	20 43.238	-0.0012	12	-33 5 2.18	-0.033	10	0.64	43.304	18	97.1	0.32	17	93.1	A0		GC	22031K	C -3211687
26		7.6T	20 43.477	-0.0017	13	-33 5 6.22	0.004	12	0.70	43.562	18	98.1	6.45	18	95.8			GC	22032K	C -3211687
27	10.4	10.0W	20 51.820	-0.0037	21	-31 44 27.89	0.014	21	0.42	51.884	22	32.6	28.12	21	32.6	G0		C7	8543	C -3112848
28	8.8	8.7W	20 52.093	-0.0012	21	-32 8 36.61	-0.045	21	0.42	52.114	22	32.6	35.82	21	32.6	F2		C7	8544	C -3112849
29	9.3	9.1W	20 57.649	-0.0046	13	-35 34 8.37	-0.018	13	0.26	57.715	15	35.6	8.11	21	35.6	F0		C8	8109	C -3510920
30		8.2R	20 57.952	0.0002	17	-30 2 45.82	-0.063	17	0.31	57.948	16	33.5	44.78	16	33.5	F2	J	13B	10257	J -2912508
31	10.0	9.9W	21 1.896	-0.0012	21	-33 54 38.72	0.007	21	0.42	1.916	22	32.6	38.85	21	32.6	A2		C7	8545	C -3311152
32	9.5	9.5W	21 1.900	-0.0031	21	-32 1 43.49	-0.061	21	0.42	1.954	22	32.6	42.42	21	32.6	F2		C7	8546	C -3112851
33	10.7	9.4W	21 2.603	-0.0017	21	-30 35 29.59	0.018	21	0.42	2.633	22	32.6	29.91	21	32.6	K5		C7	8547	C -3013108
34	10.3	9.8W	21 2.851	-0.0051	13	-35 4 25.81	0.028	13	0.26	2.924	15	35.6	26.21	21	35.6	A5		C8	8110	C -3410978
35	10.3	9.5W	21 6.934	-0.0074	21	-31 3 54.54	0.044	21	0.42	7.063	22	32.6	55.31	21	32.6	K0		C7	8548	C -3013110
36	9.8	9.7W	21 9.342	-0.0006	21	-30 55 21.21	-0.023	21	0.42	9.353	22	32.6	20.81	21	32.6	F0		C7	8549	C -3013112
37		5.4T	21 11.266	-0.0017	07	-37 27 3.55	-0.026	06	0.30	11.334	10	09.0	2.41	10	05.4	B8		GC	22043	C -3710778
38	9.7	10.0W	21 14.289	-0.0008	21	-30 55 22.85	0.026	21	0.42	14.303	22	32.6	23.30	21	32.6	A2		C7	8550	C -3013113
39		7.5T	21 15.165	0.0047	12	-35 3 37.39	0.002	13	0.66	14.928	17	99.7	37.52	19	98.1	F5		GC	22045	C -3410979
40	10.1	9.8W	21 20.478	-0.0054	21	-30 21 57.75	0.082	21	0.42	20.572	22	32.6	59.19	21	32.6	G0		C7	8552	C -3013116
41		7.1T	21 27.670	0.0016	14	-34 46 45.74	-0.024	12	0.68	27.589	18	01.0	44.48	18	97.6	B8		GC	22050	C -3410981
42	9.8	9.2W	21 30.581	-0.0024	13	-35 58 11.68	-0.012	13	0.26	30.615	15	35.6	11.51	21	35.6	G5		C8	8114	C -3510925
43	8.6	8.5W	21 32.293	-0.0009	09	-38 20 3.57	-0.094	09	0.22	32.305	15	35.6	2.21	21	35.6	F5		C8	8115	C -3810987
44	10.0	9.5W	21 34.580	0.0003	18	-37 48 3.20	-0.027	18	0.32	34.575	15	35.6	2.81	21	35.6	A2		C8	8116	C*-3710781
45	8.7	8.8W	21 45.162	-0.0012	21	-31 27 9.09	-0.068	21	0.42	45.183	22	32.6	7.91	21	32.6	A2		C7	8554	C -3112855
46		8.1T	21 45.289	-0.0004	17	-36 1 47.29	-0.038	13	0.75	45.308	19	03.4	45.44	18	00.7	A3		GC	22059	C -3510927
47	10.6	9.5W	21 52.792	-0.0012	21	-30 8 2.04	0.008	21	0.42	52.812	22	32.6	2.18	21	32.6	K2		C7	8555	C -2912519
48		7.1T	21 53.787	0.0000	13	-31 18 28.24	-0.026	10	0.64	53.786	18	98.2	26.79	18	94.9	A0		GC	22061	C*-3112856
49		10.5W	21 53.917	-0.0035	21	-34 44 48.77	-0.007	21	0.42	53.977	22	32.6	48.65	21	32.6			C7	8557	C -3410984
50	10.4	10.2W	21 55.590	-0.0036	21	-30 31 58.25	0.038	21	0.42	55.653	22	32.6	58.91	21	32.6	A8	L	C7	8558	C -3013123
51	9.3	9.0W	16 21 59.858	-0.0037	21	-30 41 5.49	0.001	21	0.42	59.923	22	32.6	5.51	21	32.6	G0		C7	8559	C -3013125
52	10.8	10.2W	22 15.309	-0.0006	13	-37 8 47.84	-0.016	13	0.26	15.316	15	35.6	47.61	21	35.6	A2		C8	8119	C -3610762
53	9.3	9.1W	22 21.940	-0.0013	21	-31 13 23.92	0.005	21	0.42	21.963	22	32.6	24.00	21	32.6	F5		C7	8560	C -3112861
54		7.5T	22 24.780	-0.0003	16	-31 57 46.92	-0.057	12	0.70	24.792	18	02.8	44.11	18	00.3	F2		GC	22071	C -3112863
55		7.9T	22 29.832	-0.0004	11	-31 35 23.22	-0.018	09	0.58	29.851	17	95.4	22.23	18	93.5	A3		GC	22074K	C*-3112864
56		8.0T	22 30.997	-0.0012	12	-33 27 14.15	-0.035	10	0.61	31.060	18	99.3	12.29	18	96.3	G0		GC	22075	C -3311167
57	10.4	10.1W	22 33.544	-0.0036	18	-36 37 14.66	-0.031	18	0.32	33.596	15	35.6	14.21	21	35.6	A3		C8	8120	C -3610764
58	9.8	9.8W	22 39.769	-0.0049	21	-32 3 1.41	0.018	21	0.42	39.854	22	32.6	1.72	21	32.6	A0		C7	8564	C -3112866
59	9.1	9.0W	22 44.417	-0.0049	21	-30 19 49.36	0.030	21	0.42	44.502	22	32.6	49.88	21	32.6	F2		C7	8565	C -3013134
60	9.3	8.9W	22 45.612	0.0011	13	-39 13 50.15	-0.037	13	0.26	45.596	15	35.6	49.61	21	35.6	A2		C8	8121	C -3910432
61	8.7	8.5W	22 50.607	0.0060	21	-31 7 18.03	-0.093	21	0.42	50.503	22	32.6	16.41	21	32.6	F8		C7	8566	C -3013135
62		8.2T	22 52.483	-0.0056	18	-34 52 7.60	-0.070	14	0.82	52.748	19	02.2	4.07	19	99.4	F8		GC	22085K	C*-3410989
63	10.1	8.9W	22 56.857	0.0012	21	-34 49 59.84	-0.005	21	0.42	56.837	22	32.6	59.76	21	32.6	K0		C7	8568	C -3410991
64	10.2	9.8W	23 16.582	-0.0016	13	-35 48 50.24	0.012	13	0.26	16.605	15	35.6	50.41	21	35.6	G0		C8	8123	C -3510944
65	10.6	10.8W	23 17.598	-0.0026	23	-35 42 49.02	-0.042	23	0.38	17.635	15	35.6	48.41	21	35.6	A5	L	C8	8124	C -3510945
66	10.2	10.0W	23 21.623	-0.0043	13	-35 32 2.71	0.007	13	0.26	21.685	15	35.6	2.81	21	35.6	A0		C8	8125	C -3510949
67		10.3W	23 29.090	-0.0031	13	-35 22 15.37	-0.039	13	0.26	29.134	15	35.6	14.81	21	35.6			C8	8126	C -3510950
68	11.1	10.1W	23 30.649	-0.0002	21	-30 28 30.72	0.032	21	0.42	30.652	22	32.6	31.28	21	32.6	K2	L	C7	8569	C -3013144
69	9.3	9.2W	23 33.006	-0.0023	21	-32 57 39.83	-0.017	21	0.42	33.045	22	32.6	39.54	21	32.6	A0		C7	8570	C -3211714
70	10.5	9.8W	23 38.022	0.0012	23	-35 43 19.95	-0.037	23	0.38	38.005	15	35.6	19.41	21	35.6	K0		C8	8127	C -3510952
71	10.7	9.6W	23 47.067	-0.0009	21	-30 31 10.59	0.007	21	0.42	47.083	22	32.6	10.71	21	32.6	K5		C7	8571	C -3013153
72	10.7	9.0W	23 47.772	-0.0035	21	-31 1 13.59	0.007	21	0.42	47.833	22	32.6	13.71	21	32.6	K2		C7	8572	C -3013151
73		8.5T	23 49.855	-0.0023	12	-39 42 37.47	-0.006	11	0.63	49.970	21	99.0	37.17	19	98.1	A3		GC	22111	C -3910437
74	11.2	9.1W	23 51.950	-0.0004	13	-39 11 57.26	-0.045	13	0.26	51.956	15	35.6	56.61	21	35.6	K5		C8	8129	C -3910438
75	10.6	8.9W	23 54.984	-0.0013	21	-34 13 2.32	0.024	21	0.42	55.006	22	32.6	2.75	21	32.6	K5		C7	8573	C -3411000
76	11.0	9.5W	24 4.549	-0.0019	13	-36 39 49.07	-0.032	13	0.26	4.576	15	35.6	48.61	21	35.6	K2		C8	8130	C -3610774
77	9.0	8.5W	24 5.719	-0.0040	18	-37 21 54.07	-0.018	18	0.32	5.776	15	35.6	53.81	21	35.6	G5		C8	8131	C -3710800
78	10.3	10.1W	24 8.832	-0.0029	21	-30 44 56.00	0.018	21	0.42	8.883	22	32.6	56.31	21	32.6	G0		C7	8574	C -3013158
79		10.0W	24 11.931	-0.0037	21	-33 12 8.75	-0.007	21	0.42	11.995	22	32.6	8.64	21	32.6	A2	L	C7	8575	C -3311183
80		10.1T	24 13.143	-0.0007	15	-34 23 40.29	-0.019	12	0.70	13.177	24	03.3	39.36	24	01.1	M0		GC	22119	C -3411005
81	9.7	9.9W	24 13.459	-0.0038	13	-35 20 42.56	-0.003	13	0.26	13.514	15	35.6	42.51	21	35.6	A0		C8	8132	C -3510958
82	10.1	10.2W	24 16.613	-0.0035	21	-32 10 33.79	-0.061	21	0.42	16.674	22	32.6	32.72	21	32.6	F8		C7	8576	C -3211723
83	10.3	9.9W	24 24.216	-0.0010	21	-31 44 40.09	0.008	21	0.42	24.234	22	32.6	40.22	21	32.6	F8	L	C7	8577	C -3112887
84	9.9	9.2W	24 34.407	-0.0068	13	-35 40 20.23	-0.029	13	0.26	34.505	15	35.6	19.81	21	35.6	G0		C8	8134	C -3510961
85	10.4	8.7W	24 35.154	-0.0029	21	-35 0 34.92	0.028	21	0.42	35.204	22	32.6	35.41	21	32.6	MA		C7	8578	C -3411009
86	9.0	9.1W	24 49.241	-0.0017	13	-35 40 12.57	-0.011	13	0.26	49.265	15	35.6	12.41	21	35.6	A0		C8	8137	C -3510964
87	9.8	9.5W	24 50.684	-0.0045	21	-30 54 56.70	0.018	21	0.42	50.763	22	32.6	57.01	21	32.6	F5		C7	8579	C -3013167
88		5.9T	24 54.303	0.0028	11	-37 4 7.68	-0.010	08	0.57	54.154	18	97.2	7.14	17	93.0	K0		GC	22131	C -3610783
89	10.8	9.1W	25 4.697	0.0023	21	-33 55 40.17	0.016	21	0.42	4.656	22	32.6	40.45	21	32.6	K2	L	C7	8580	C -3311188
90	11.3	10.2W	25 9.535	-0.0039	21	-31 11 49.06	0.020	21	0.42	9.603	22	32.6	49.41	21	32.6			C7	8581	C -3112902
91	9.5	8.7W	25 10.642	-0.0058	21	-31 1 5.65	-0.123	21	0.42	10.743	22	32.6	3.50	21	32.6	K2		C7	8582	C -3013172
92	10.3	8.7W	25 15.537	-0.0013	18	-38 15 58.26	-0.045	18	0.32	15.555	15	35.6	57.61	21	35.6	K2		C8	8139	C -3811001
93	10.6	10.0W	25 15.594	-0.0022	13	-37 12 22.76	-0.024	13	0.26	15.626	15	35.6	22.41	21	35.6	G5		C8	8140	C -3710807
94	10.1	9.5W	25 22.586	-0.0034	21	-32 32 14.02	0.035	21	0.42	22.645	22	32.6	14.64	21	32.6	F5		C7	8583	C -3211733
95	10.5	9.5W	25 24.203	-0.0034	21	-30 34 8.87	0.002	21	0.42	24.263	22	32.6	8.91	21	32.6	K2		C7	8584	C -3013173
96	9.6	7.7W	25 28.434	-0.0015	13	-35 34 48.83	-0.008	13	0.26	28.455	15	35.6	48.71	21	35.6	MA		C8	8141	C -3510969
97	10.1	9.2W	25 32.267	-0.0034	21	-34 27 29.36	0.005	21	0.42	32.326	22	32.6	29.45	21	32.6	K0		C7	8585	C -3411019
98	11.3	9.3W	25 33.078	0.0008	13	-36 30 39.90	0.008	13	0.26	33.066	15	35.6	40.01	21	35.6	K5		C8	8142	C -3610791
99	10.6	8.9W	25 36.512	-0.0003	13	-37 3 37.09	-0.019	13	0.26	36.516	15	35.6	36.81	21	35.6	K0		C8	8143	C -3610792
00	9.7	9.5W	25 38.071	0.0028	21	-30 38 47.79	0.001	21	0.42	38.023	22	32.6	47.81	21	32.6	F2		C7	8586	C -3013176

207700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 16H DM NUMBER
1	9.9	9.7W	16 25 41.883	0.0006	21	-30 10 19.52	-0.048	21	0.42	41.872	22	32.6	18.68	21	32.6	G0	C7	8587	C -2912566
2	9.6	9.3W	25 44.345	-0.0042	13	-35 54 52.96	-0.038	13	0.26	44.405	15	35.6	52.41	21	35.6	A2	C8	8144	C -3515972
3		9.2R	25 47.832	0.0007	21	-30 2 46.24	-0.050	21	0.38	47.820	16	33.6	45.42	16	33.6	F8 M	138	10307	J -2912567
4	10.9	10.5W	25 54.498	-0.0010	21	-32 36 1.82	0.018	21	0.42	54.515	22	32.6	2.14	21	32.6	G0 L	C7	8588	C -3211739
5	10.0	8.5W	25 56.679	0.0024	13	-35 21 48.77	-0.053	13	0.26	56.644	15	35.6	48.01	21	35.6	K5	C8	8145	C -3515975
6	10.4	9.9W	26 9.629	-0.0031	21	-30 51 3.64	-0.036	21	0.42	9.683	22	32.6	3.01	21	32.6	K0	C7	8589	C -3013181
7	10.0	9.7W	26 13.404	-0.0005	21	-30 41 38.93	0.016	21	0.42	13.413	22	32.6	39.21	21	32.6	F0	C7	8590	C -3013185
8		7.4T	26 13.690	-0.0020	18	-33 12 43.66	0.040	14	0.82	13.784	18	01.9	45.70	18	99.3	F5	GC	22156	C -3311202
9	9.5	9.2W	26 18.427	-0.0004	21	-32 18 11.17	-0.020	21	0.42	18.434	22	32.6	10.82	21	32.6	A0	C7	8592	C -3211745
10		9.7G	26 21.383	0.0034	16	-38 24 7.44	-0.012	13	0.95	21.185	36	92.3	6.64	31	86.5	A5	GC	22158	C -3811008
11	10.7	9.6W	26 28.479	-0.0043	21	-31 37 54.83	0.046	21	0.42	28.554	22	32.6	55.62	21	32.6	G2 L	C7	8593	C -3112922
12	10.8	10.0W	26 33.579	-0.0018	13	-36 27 45.48	-0.060	13	0.26	33.605	15	35.6	44.61	21	35.6	G5	C8	8147	C -3610801
13	9.9	9.7W	26 34.269	-0.0016	21	-34 5 42.52	0.036	21	0.42	34.296	22	32.6	43.15	21	32.6	F5	C7	8594	C -3311207
14	10.4	8.8W	26 46.463	-0.0023	21	-30 54 22.48	-0.016	21	0.42	46.503	22	32.6	22.20	21	32.6	K2	C7	8595	C -3013188
15	11.0	9.5W	26 48.867	-0.0022	13	-39 55 47.06	-0.017	13	0.26	48.898	15	35.6	46.81	21	35.6	K2	C8	8148	C -3910451
16	10.6	10.5W	26 53.257	-0.0022	21	-32 55 19.90	-0.010	21	0.42	53.295	22	32.6	19.74	21	32.6	A0 L	C7	8596	C -3211754
17	8.7	8.5W	26 53.356	-0.0058	21	-34 0 46.26	-0.001	21	0.42	53.456	22	32.6	46.25	21	32.6	F0	C7	8597	C -3311209
18	10.6	9.3W	26 55.600	-0.0007	21	-30 46 48.14	0.027	21	0.42	55.613	22	32.6	48.61	21	32.6	K2	C7	8598	C -3013191
19	9.8	9.4W	26 55.943	0.0005	13	-38 17 14.02	-0.035	13	0.26	55.935	15	35.6	13.51	21	35.6	B8	C8	8150	C -3811011
20	7.8	7.7W	27 1.547	0.0001	07	-37 51 52.11	-0.007	07	0.21	1.545	15	35.6	52.01	21	35.6	B0	C8	8151	C -3710817
21	9.7	9.4W	27 11.261	-0.0011	18	-38 42 6.74	-0.037	18	0.32	11.277	15	35.6	6.21	21	35.6	F5	C8	8152	C -3811014
22	11.4	9.6W	27 14.708	0.0007	21	-33 1 54.52	-0.028	21	0.42	14.695	22	32.6	54.04	21	32.6	K L	C7	8599	C -3211759
23	10.3	9.8W	27 16.874	-0.0029	13	-38 14 34.70	-0.103	13	0.26	16.916	15	35.6	53.21	21	35.6	F8	C8	8153	C -3811015
24	10.4	10.0W	27 23.569	-0.0054	21	-31 1 4.18	-0.050	21	0.42	23.663	22	32.6	3.30	21	32.6	G5	C7	8600	C -3013197
25	11.2	9.4W	27 24.911	-0.0017	13	-35 55 28.61	0.049	13	0.26	24.935	15	35.6	29.31	21	35.6	K2 L	C8	8154	C -3510992
26	10.5	8.8W	27 35.402	-0.0008	21	-33 13 38.78	0.037	21	0.42	35.415	22	32.6	39.44	21	32.6	K5	C7	8601	C -3311217
27	9.2	8.9W	27 46.940	0.0003	13	-35 59 55.72	-0.056	13	0.26	46.935	15	35.6	54.91	21	35.6	A0	C8	8155	C -3510995
28	10.2	9.8W	27 49.221	-0.0059	13	-37 1 54.82	-0.063	13	0.26	49.306	15	35.6	53.91	21	35.6	G5	C8	8157	C -3610810
29	8.6	8.6W	27 49.240	0.0003	18	-38 16 32.21	-0.042	18	0.32	49.236	15	35.6	31.61	21	35.6	A0	C8	8156	C -3811017
30	10.7	10.3W	27 49.525	-0.0080	21	-31 53 15.10	-0.010	21	0.42	49.664	22	32.6	14.92	21	32.6	F8 L	C7	8602	C -3112939
31		7.0T	27 54.880	0.0001	10	-34 13 32.72	-0.002	07	0.50	54.877	17	96.7	32.61	17	90.0	G5	GC	22189	C -3411043
32		4.3M	28 6.546	-0.0008	02	-34 35 50.07	-0.017	02	0.09	6.575	04	11.9	49.43	04	13.6	B3	F4	1431	C -3411044
33		7.5T	28 8.251	-0.0356	11	-38 54 3.37	-0.330	11	0.60	10.129	18	97.2	-46.40	18	98.5	G5	GC	22196	C* -3811019
34	9.0	8.9W	28 11.916	0.0000	21	-33 20 23.82	0.041	21	0.42	11.915	22	32.6	24.53	21	32.6	A2	C7	8605	C -3311223
35	9.6	9.3W	28 14.423	-0.0012	21	-31 42 38.63	-0.046	21	0.42	14.444	22	32.6	37.82	21	32.6	F5	C7	8606	C -3112949
36	10.8	9.8W	28 15.693	-0.0058	21	-31 59 29.66	-0.019	21	0.42	15.794	22	32.6	29.32	21	32.6	K0 L	C7	8607	C -3112950
37	10.1	10.1W	28 18.305	-0.0035	21	-32 45 20.35	-0.047	21	0.42	18.365	22	32.6	19.54	21	32.6	A0 L	C7	8608	C -3211771
38	10.5	9.1W	28 19.231	-0.0017	13	-35 59 47.53	-0.043	13	0.26	19.255	15	35.6	46.91	21	35.6	K0	C8	8160	C -3511000
39	10.5	8.8W	28 28.313	-0.0035	21	-31 32 46.90	-0.027	21	0.42	28.374	22	32.6	46.42	21	32.6	K	C7	8609	C -3112953
40	8.9	9.1W	28 42.463	-0.0012	21	-31 32 25.68	0.043	21	0.42	42.484	22	32.6	26.42	21	32.6	B9	C7	8610	C -3112958
41	11.4	9.9W	28 45.055	-0.0010	21	-30 30 21.67	0.048	21	0.42	45.073	22	32.6	22.51	21	32.6		C7	8611	C -3013216
42	10.1	9.5W	28 46.689	-0.0060	13	-35 40 47.76	-0.003	13	0.26	46.775	15	35.6	47.71	21	35.6	G5	C8	8162	C -3511004
43	9.8	9.5W	28 52.908	0.0009	13	-35 37 12.99	-0.012	13	0.26	52.895	15	35.6	12.81	21	35.6	F8	C8	8163	C -3511005
44	8.1	8.2W	28 53.366	-0.0011	21	-33 22 1.47	-0.014	21	0.42	53.385	22	32.6	1.24	21	32.6	A2	C7	8612	C -3311228
45	11.0	9.2W	28 55.321	-0.0024	21	-31 3 42.70	-0.011	21	0.42	55.363	22	32.6	42.51	21	32.6	K L	C7	8613	C -3013219
46	10.7	9.5W	28 59.012	-0.0029	21	-30 40 42.00	0.012	21	0.42	59.063	22	32.6	42.21	21	32.6	K0	C7	8614	C -3013224
47	10.1	8.8W	29 1.470	-0.0008	21	-32 2 1.33	0.017	21	0.42	1.484	22	32.6	1.62	21	32.6	K2	C7	8615	C -3112963
48	9.0	8.7W	29 7.410	-0.0073	21	-34 7 54.26	-0.024	21	0.42	7.536	22	32.6	53.85	21	32.6	G0	C7	8616	C -3311230
49	10.6	9.5W	29 11.144	-0.0030	21	-34 53 36.43	0.001	21	0.42	11.197	22	32.6	36.46	21	32.6	K0 L	C7	8617	C -3411060
50	10.7	9.7W	29 11.785	0.0001	21	-32 15 19.90	-0.010	21	0.42	11.784	22	32.6	19.72	21	32.6		C7	8618	C -3211783
51	10.1	10.0W	16 29 18.503	-0.0018	21	-32 3 48.63	-0.006	21	0.42	18.534	22	32.6	48.52	21	32.6	A3	C7	8619	C -3112968
52	10.0	9.7W	29 23.740	-0.0013	21	-30 56 59.51	0.023	21	0.42	23.763	22	32.6	59.90	21	32.6	G0	C7	8620	C -3013229
53	9.5	9.1W	29 26.640	0.0056	21	-30 5 16.71	-0.088	21	0.42	26.542	22	32.6	15.18	21	32.6	K0	C7	8621	C -2912614
54	10.4	9.1W	29 27.698	0.0003	21	-30 5 51.00	-0.007	21	0.42	27.692	22	32.6	50.88	21	32.6		C7	8622	C -2912615
55		8.7T	29 33.865	-0.0036	12	-39 14 45.85	-0.006	10	0.60	34.042	21	00.3	45.55	19	96.3	G0	GC	22234	C -3910473
56	10.3	10.0W	29 37.819	0.0044	18	-37 37 52.64	-0.023	18	0.32	37.755	15	35.6	52.31	21	35.6	A0	C8	8167	C -3710828
57	8.9	9.0W	29 40.193	-0.0017	21	-30 46 16.28	-0.010	21	0.42	40.223	22	32.6	16.11	21	32.6	A0	C7	8623	C -3013232
58	10.3	9.9W	29 43.784	0.0012	21	-30 37 18.09	0.047	21	0.42	43.763	22	32.6	18.91	21	32.6	G2P	C7	8624	C -3013233
59		7.3T	29 45.689	0.0012	12	-33 25 38.34	-0.042	12	0.66	45.624	17	98.3	36.10	17	96.3	A0	GC	22237K	C* -3311244
60	10.0	9.0W	29 45.953	-0.0052	21	-31 49 30.68	0.026	21	0.42	46.044	22	32.6	31.12	21	32.6	K0	C7	8626	C -3112975
61		8.0T	29 49.999	-0.0027	10	-31 26 56.07	-0.042	09	0.57	50.150	19	93.9	53.56	17	90.7	K5	GC	22240	C -3112976
62	10.1	9.8W	29 56.517	-0.0049	21	-30 19 26.46	0.076	21	0.42	56.602	22	32.6	27.78	21	32.6	G0	C7	8628	C -3013237
63	9.5	9.2W	30 5.371	-0.0019	21	-31 16 8.37	0.008	21	0.42	5.405	22	32.6	8.51	21	32.6	F8	C7	8629	C -3112982
64	8.1	8.0W	30 6.056	0.0020	06	-37 8 24.42	0.004	06	0.20	6.027	15	35.6	24.49	21	35.6	F0	C8	8169	C -3610822
65	9.1	9.3W	30 7.405	-0.0035	21	-31 59 41.49	0.008	21	0.42	7.465	22	32.6	41.62	21	32.6	B8	C7	8630	C -3112984
66	10.3	9.4W	30 17.901	-0.0025	06	-36 56 35.17	-0.041	06	0.20	17.937	15	35.6	34.59	21	35.6	F0	C8	8170	C -3610823
67	7.4	7.4W	30 19.980	-0.0019	07	-37 16 39.94	-0.032	07	0.21	20.007	15	35.6	39.49	21	35.6	A3	C8	8171	C -3710832
68	10.0	8.5W	30 20.675	-0.0053	21	-34 17 26.47	-0.013	21	0.42	20.768	22	32.6	26.25	21	32.6	K5	C7	8631	C -3411075
69		7.9T	30 29.180	-0.0043	17	-31 11 5.03	-0.030	13	0.76	29.384	18	02.6	3.56	18	00.2	A0	GC	22256	C -3112991
70	10.1	9.5W	30 30.911	-0.0119	21	-33 14 39.05	-0.099	21	0.42	31.117	22	32.6	37.34	21	32.6	G5	C7	8633	C -3311251
71	7.9	7.8W	30 32.182	-0.0049	21	-34 20 10.59	-0.020	21	0.42	32.268	22	32.6	10.25	21	32.6	F0	C7	8634	C -3411076
72		7.8T	30 34.112	0.0004	11	-35 26 18.86	0.000	09	0.57	34.090	18	98.5	18.88	18	94.7	G5	GC	22259	C -3511022
73	10.3	9.0W	30 37.980	-0.0009	21	-32 12 33.24	-0.018	21	0.42	37.995	22	32.6	32.92	21	32.6	K2	C7	8635	C -3211804
74	10.2	10.0W	30 40.678	-0.0061	13	-36 11 33.68	-0.028	13	0.26	40.766	15	35.6	33.29	21	35.6	A0	C8	8174	C -3610829
75	9.8	8.3W	30 43.581	-0.0018	07	-38 21 7.32	-0.017	07	0.21	43.607	15	35.6	7.09	21	35.6	K2	C8	8175	C -3811039
76	10.7	9.5W	30 44.914	-0.0013	21	-34 21 27.23	-0.005	21	0.42	44.938	22	32.6	27.15	21	32.6		C7	8636	C -3411078
77	8.0	7.4W	30 47.691	-0.0004	18	-38 17 10.40	-0.036	18	0.32	47.697	15	35.6	9.89	21	35.6	F2	C8	8176	C -3811040
78		9.8W	30 57.113	0.0026	21	-32 48 36.09	0.048	21	0.42	57.067	22	32.6	36.94	21	32.6		C7	8637	C -3211808
79	9.5	9.2W	30 58.177	0.0019	08	-39 47 36.97	-0.019	08	0.22	58.149	15	35.6	36.69	21	35.6	F8	C8	8178	C -3910483
80		8.0T	30 59.575	-0.0005	20	-31 10 52.04	-0.028	14	0.86	59.599	19	01.9	50.64	19	99.1	A0	GC	22266	C -3113000
81	9.8	9.8W	31 1.678	-0.0006	10	-38 16 42.62	0.011	10	0.23	1.687	15	35.6	42.79	21	35.6	A0	C8	8179	C -3811042
82	9.6	8.8W	31 7.131	-0.0021	21	-33 11 26.26	-0.089	21	0.42	7.167	22	32.6	24.74	21	32.6	G5	C7	8639	C -3311259
83	9.4	9.2W	31 17.119	-0.0034	21	-32 44 41.94	-0.006	21	0.42	17.177	22	32.6	41.84	21	32.6	A5	C7	8640	C -3211813
84		9.8W	31 21.065	-0.0017	21	-30 54 39.60	0.052	21	0.42	21.095	22	32.6	40.50	21	32.6	G5 L	C7	8641	C -3013255
85	10.8	9.9W	31 23.581	-0.0033	21	-34 31 54.54	0.081	21	0.42	23.639	22	32.6	55.95	21	32.6		C7	8642	C -3411089
86	9.7	9.7W	31 26.446	-0.0028	21	-31 11 51.11	0.063	21	0.42	26.495	22	32.6	52.21	21	32.6	F0	C7	8643	C -3113008
87	10.0	10.3W	31 27.033	-0.0059	21	-31 50 20.48	-0.003	21	0.42	27.135	22	32.6	20.42	21	32.6	A0	C7	8644	C -3113006
88	8.6	9.0W	31 44.970	-0.0043	21	-34 7 5.23	-0.016	21	0.43	45.048	22	32.1	4.95	21	32.1	B8	C7	8645	C -3311268
89	8.9	8.4W	31 48.071	-0.0059	06	-35 57 17.82	-0.294	06	0.20	48.156	15	35.6	13.59	21	35.6	K0	C8	8181	C -3511035
90	10.0	9.7W	31 49.109	0.0046	21	-33 32 45.26	-0.135	21	0.43	49.027	22	32.1	42.85	21	32.1	G5	C7	8646	C -3311270
91	9.0	9.5W	31 51.988	-0.0128	21	-34 18 10.31	-0.149	21	0.43	52.217	22	32.1	7.65	21	32.1	B3	C7	8647	C -3411099
92	10.9	10.3W	31 52.761	-0.0004	18	-36 41 33.21	-0.009	18	0.32	52.767	15	35.6	33.09	21	35.6	A0 L	C8	8182	C -3610838
93	8.8	8.9W	31 52.773	-0.0018	21	-31 47 44.80	0.024	21	0.43	52.805	22	32.1	45.22	21	32.1	A2	C7	8648	C -3113017
94		6.8T	31 55.529	0.0002	12	-35 37 17.72	-0.017	09	0.57	55.519	18	99.7	16.81	18	95.1	A0	GC	22284	C* -3511037
95	9.7	9.8W	32 1.186	0.0006	13	-38 27 55.59	-0.028	13	0.26	1.177	15	35.6	55.19	21	35.6	B8	C8	8184	C -3811051
96	10.5	9.1W	32 5.088	-0.0012	13	-35 27 38.06	-0.019	13	0.26	5.105	15	35.6	37.79	21	35.6	K2	C8	8185	C -3511039
97	8.9	8.8W	32 7.863	-0.0019	21	-33 42 44.81	-0.015	21	0.43	7.897	22	32.1	44.55	21	32.1	A3	C7	8650	C -3311274
98	9.3	9.4W	32 7.864	-0.0018	21	-33 54 40.27	0.060	21	0.43	7.897	22	32.1	41.35	21	32.1	A3	C7	8649	C -3311273
99	8.8	8.7W	32 12.200	-0.0021	21	-34 33 47.12	-0.043	21	0.43	12.239	22	32.1	46.35	21	32.1	F0	C7	8651	C -3411105
00	9.9	9.4W	32 14.072	-0.0038	13	-37 0 27.13	-0.038	13	0.26	14.127	15	35.6	26.59	21	35.6	F5	C8	8186	C -3610840

207800			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-30° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″	s	″ .01		″	″ .01					
1	11.0	9.3W	16 32 14.408	-0.0034	13	-37 35 18.21	-0.009	13	0.26	14.457	15	35.6	18.09	21	35.6	K5	C8	8187	C -3710845
2	8.1	8.0W	32 17.584	-0.0024	18	-39 5 19.10	-0.022	18	0.32	17.618	15	35.6	18.79	21	35.6	B9	C8	8188	C -3811055
3	9.1	9.3W	32 19.173	-0.0050	21	-30 9 53.67	0.034	21	0.43	19.263	22	32.1	54.28	21	32.1	B8	C7	8652	C -3013268
4	9.9	9.7W	32 26.310	-0.0006	13	-38 56 0.13	-0.010	13	0.26	26.318	15	35.6	59.99	21	35.6	A	C8	8191	C -3811057
5	10.2	9.7W	32 26.359	0.0070	13	-38 55 26.61	-0.036	13	0.26	26.258	15	35.6	26.09	21	35.6		C8	8190	C -3811056
6	9.0	8.6W	32 34.853	-0.0072	09	-37 15 37.21	-0.023	09	0.22	34.957	15	35.6	36.89	21	35.6	G5	C8	8192	C -3710850
7	8.7	8.9W	32 45.784	0.0011	21	-31 29 32.87	-0.009	21	0.43	45.765	22	32.1	32.71	21	32.1	B9	C7	8653	C*-3113032
8	10.1	9.6W	32 47.644	-0.0002	21	-34 59 47.95	0.000	21	0.43	47.649	22	32.1	47.95	21	32.1	K0	C7	8654	C -3411109
9	10.9	9.7W	32 51.163	-0.0014	21	-32 33 58.92	-0.022	21	0.43	51.167	22	32.1	58.54	21	32.1	K0 L	C7	8655	C -3211839
10	9.4	9.2W	32 57.438	-0.0028	13	-38 43 42.99	-0.077	13	0.26	57.478	15	35.6	41.89	21	35.6	F5	C8	8193	C -3811062
11		7.8T	32 59.640	0.0001	11	-34 5 53.92	-0.029	11	0.60	59.637	18	98.1	52.41	18	98.1	A2	GC	22307	C -3311285
12	10.6	9.3W	33 2.374	-0.0016	13	-38 17 49.40	-0.022	13	0.26	2.397	15	35.6	49.09	21	35.6	K5	C8	8194	C -3811063
13	8.8	9.2W	33 2.724	-0.0062	21	-31 25 22.33	-0.035	21	0.43	2.835	22	32.1	21.71	21	32.1	A0	C7	8657	C -3113037
14		4.3T	33 4.723	0.0018	04	-35 9 16.05	-0.002	04	0.22	4.638	09	03.4	15.97	09	00.7	M0	GC	22311	C -3411112
15	9.4	9.2W	33 7.469	-0.0053	13	-35 12 18.78	0.035	13	0.26	7.545	15	35.6	19.29	21	35.6		C8	8196	C -3511042
16	8.9	9.0W	33 9.599	-0.0031	21	-30 59 8.45	0.070	21	0.43	9.655	22	32.1	9.70	21	32.1	A2	C7	8658	C -3013279
17	9.8	9.9W	33 18.347	-0.0012	21	-34 43 14.76	-0.023	21	0.43	18.369	22	32.1	14.36	21	32.1	A0	C7	8659	C -3411116
18	9.3	9.4W	33 19.909	0.0001	18	-38 6 42.67	-0.019	18	0.32	19.907	15	35.6	42.39	21	35.6	A0	C8	8199	C -3710854
19	9.6	9.7W	33 21.869	-0.0048	21	-31 15 32.62	0.016	21	0.43	21.955	22	32.1	32.90	21	32.1	A0	C7	8660	C -3113042
20		7.0T	33 22.538	0.0041	12	-35 48 56.55	-0.004	11	0.62	22.336	15	00.9	56.36	18	95.7	F2	GC	22316	C*-3511044
21	9.7	8.9W	33 23.064	0.0022	21	-31 23 20.57	0.080	21	0.43	23.025	22	32.1	22.00	21	32.1	K0	C7	8661	C -3113043
22	9.1	9.0W	33 26.413	-0.0061	21	-30 28 56.86	-0.010	21	0.43	26.523	22	32.1	56.68	21	32.1	A2	C7	8662	C -3013285
23	9.0	8.9W	33 27.096	-0.0001	21	-33 8 33.22	-0.061	21	0.43	27.097	22	32.1	32.14	21	32.1	F2	C7	8663	C -3211843
24	9.5	8.8W	33 27.695	0.0017	21	-31 22 1.98	0.052	21	0.43	27.665	22	32.1	2.91	21	32.1	K0	C7	8664	C -3113045
25	10.9	9.4W	33 28.012	0.0039	23	-35 41 3.28	0.007	23	0.38	27.956	15	35.6	3.39	21	35.6	K0 L	C8	8201	C -3511045
26	9.1	8.9W	33 28.185	-0.0023	21	-32 0 30.14	-0.034	21	0.43	28.225	22	32.1	29.52	21	32.1	F0	C7	8665	C -3113044
27	10.9	10.6W	33 31.059	-0.0060	23	-35 7 24.13	0.045	23	0.38	31.145	15	35.6	24.79	21	35.6	A3 L	C8	8202	C -3411122
28	9.7	9.4W	33 32.712	-0.0030	21	-32 21 17.86	-0.080	21	0.43	32.765	22	32.1	16.42	21	32.1	G0	C7	8666	C -3211844
29	7.8	7.9W	33 32.909	0.0001	18	-37 2 26.28	0.000	18	0.32	32.907	15	35.6	26.29	21	35.6	A0	C8	8203	C -3610851
30	10.6	9.3W	33 33.566	-0.0007	09	-36 2 53.95	-0.005	09	0.22	33.576	15	35.6	53.89	21	35.6	K0	C8	8204	C -3511047
31		9.3R	33 34.733	-0.0003	21	-30 10 19.00	0.021	21	0.38	34.738	16	33.6	19.34	16	33.6	K0 M	13B	10389	J -3013288
32	10.4	9.9W	33 37.057	-0.0051	21	-34 41 52.00	-0.064	21	0.43	37.149	22	32.1	50.86	21	32.1	G5 L	C7	8667	C -3411123
33	8.6	8.7W	33 37.975	0.0000	21	-31 49 27.69	-0.020	21	0.43	37.975	22	32.1	27.32	21	32.1	A2	C7	8668	C -3113048
34	7.0	7.4W	33 39.079	-0.0027	08	-38 34 30.73	-0.010	08	0.22	39.118	15	35.6	30.59	21	35.6	B9	C8	8205	C -3811071
35	9.4	8.6W	33 40.284	-0.0007	21	-33 57 13.74	0.073	21	0.43	40.298	22	32.1	15.05	21	32.1	K0	C7	8669	C -3311288
36	9.2	9.2W	33 40.618	0.0011	21	-32 54 38.65	-0.063	21	0.43	40.597	22	32.1	37.54	21	32.1	A2	C7	8670	C -3211846
37	10.2	10.2W	33 46.078	-0.0015	21	-30 40 10.02	0.016	21	0.43	46.105	22	32.1	10.31	21	32.1	F2	C7	8671	C -3013290
38	10.6	10.3W	33 46.732	-0.0023	21	-30 21 59.27	-0.022	21	0.43	46.773	22	32.1	58.88	21	32.1	G5	C7	8672	C -3013291
39	9.3	9.2W	33 50.581	-0.0025	09	-36 45 36.32	-0.023	09	0.22	50.617	15	35.6	35.99	21	35.6	F0	C8	8208	C -3610854
40	9.8	9.6W	33 55.292	-0.0041	21	-32 2 43.05	-0.029	21	0.43	55.365	22	32.1	42.52	21	32.1	G	C7	8673	C -3113050
41	10.1	8.9W	33 57.154	-0.0001	21	-32 5 8.22	0.023	21	0.43	57.155	22	32.1	8.62	21	32.1	K	C7	8674	C -3113052
42	9.7	9.5W	33 58.292	-0.0038	13	-38 13 50.92	0.018	13	0.26	58.347	15	35.6	51.19	21	35.6	A0	C8	8209	C -3811076
43	9.7	9.8W	33 58.597	-0.0000	21	-34 11 35.40	0.058	21	0.43	58.598	22	32.1	36.45	21	32.1	A5	C7	8675	C -3411130
44	10.2	9.2W	34 1.307	0.0078	21	-33 2 48.76	-0.024	21	0.43	1.167	22	32.1	48.34	21	32.1	K5	C7	8676	C -3211850
45	10.2	9.7W	34 3.266	-0.0022	10	-37 2 38.10	-0.029	10	0.23	3.297	15	35.6	37.69	21	35.6	G0	C8	8210	C -3610855
46	10.5	9.0W	34 7.410	0.0008	21	-32 16 34.46	0.015	21	0.43	7.395	22	32.1	34.72	21	32.1	K2 L	C7	8677	C -3211852
47	10.6	9.4W	34 7.711	0.0022	13	-39 42 19.41	-0.016	13	0.26	7.679	15	35.6	19.19	21	35.6	K0	C8	8211	C -3910522
48		9.1R	34 11.898	0.0011	17	-30 0 50.21	0.009	17	0.31	11.881	16	33.6	50.35	16	33.6	G5 J	13B	10401	J -2912685
49	9.9	10.3W	34 12.451	-0.0132	21	-34 26 3.65	0.072	21	0.43	12.688	22	32.1	4.95	21	32.1	A0	C7	8678	C -3411134
50	9.5	9.2W	34 13.731	-0.0024	06	-36 6 8.80	-0.022	06	0.20	13.766	15	35.6	8.49	21	35.6	F2	C8	8212	C -3511049
51	10.4	9.2W	16 34 17.609	0.0008	13	-38 23 40.01	-0.009	13	0.26	17.597	15	35.6	39.89	21	35.6	K2	C8	8213	C -3811079
52	9.0	9.2W	34 19.749	-0.0005	21	-33 9 30.90	-0.015	21	0.43	19.757	22	32.1	30.64	21	32.1	A2	C7	8679	C -3311296
53	8.8	8.6W	34 19.973	-0.0014	21	-32 47 15.25	-0.085	21	0.43	19.997	22	32.1	13.74	21	32.1	G0	C7	8680	C -3211856
54	10.2	9.0W	34 42.550	-0.0013	13	-39 23 53.31	-0.002	13	0.26	42.568	15	35.6	53.29	21	35.6	K0	C8	8216	C -3910530
55	9.3	9.5W	34 43.620	-0.0026	21	-34 16 41.09	-0.064	21	0.43	43.668	22	32.1	39.95	21	32.1	A2	C7	8681	C -3411142
56	9.1	9.1W	34 44.498	-0.0028	13	-39 18 30.99	-0.028	13	0.26	44.538	15	35.6	30.59	21	35.6	A2	C8	8217	C -3910531
57	10.2	10.2W	34 49.553	-0.0035	21	-31 57 7.21	-0.027	21	0.43	49.615	22	32.1	6.72	21	32.1	A8 L	C7	8682	C -3113071
58	9.5	9.2W	34 49.740	0.0007	21	-33 55 11.58	-0.013	21	0.43	49.728	22	32.1	11.35	21	32.1	G5	C7	8683	C -3311306
59	10.8	9.7W	34 55.371	-0.0015	21	-32 59 54.90	0.007	21	0.43	55.397	22	32.1	55.04	21	32.1	G5 L	C7	8684	C -3211865
60	9.8	9.9W	35 0.147	0.0017	21	-33 47 53.32	0.007	21	0.43	0.118	22	32.1	53.45	21	32.1	A2	C7	8685	C -3311311
61	11.1	10.6W	35 1.175	-0.0038	21	-30 18 27.38	0.017	21	0.43	1.244	22	32.1	27.68	21	32.1	F8 L	C7	8686	C -3013314
62	7.7	7.9W	35 1.478	-0.0050	13	-39 33 8.65	-0.005	13	0.26	1.549	15	35.6	8.59	21	35.6	A0	C8	8218	C -3910537
63		7.0T	35 6.342	-0.0031	14	-39 3 11.92	-0.036	09	0.63	6.494	19	01.5	9.91	18	94.8	ADP	GC	22354	C -3811087
64	9.3	9.2W	35 7.514	0.0005	21	-32 14 6.03	-0.067	21	0.43	7.505	22	32.1	4.82	21	32.1	F2	C7	8687	C -3211868
65	10.9	8.9W	35 7.929	0.0016	13	-36 17 51.14	0.003	13	0.26	7.906	15	35.6	51.19	21	35.6	K2	C8	8220	C -3610872
66	10.5	9.3W	35 8.563	0.0004	13	-36 37 54.00	-0.007	13	0.26	8.557	15	35.6	53.89	21	35.6	K0	C8	8221	C -3610871
67	9.4	8.9W	35 13.231	-0.0012	13	-39 27 6.47	0.015	13	0.26	13.248	15	35.6	6.69	21	35.6	F8	C8	8222	C -3910539
68	9.9	9.7W	35 13.512	-0.0051	13	-35 58 23.97	-0.034	13	0.26	13.586	15	35.6	23.49	21	35.6	A2	C8	8223	C -3511054
69	8.7	8.9W	35 16.179	-0.0015	21	-31 54 13.94	-0.001	21	0.43	16.205	22	32.1	13.92	21	32.1	B8	C7	8688	C -3113078
70	11.4	10.3W	35 18.099	-0.0013	21	-30 29 43.12	0.009	21	0.43	18.123	22	32.1	43.28	21	32.1	K0 L	C7	8689	C -3013320
71	10.2	9.9W	35 20.019	-0.0059	21	-31 0 5.53	-0.018	21	0.43	20.125	22	32.1	5.20	21	32.1	G5	C7	8690	C -3013322
72	10.0	9.5W	35 21.985	0.0013	09	-35 58 40.81	-0.002	09	0.22	21.966	15	35.6	40.79	21	35.6	K0	C8	8225	C*-3511056
73	8.9	8.6W	35 23.206	0.0006	06	-36 45 19.00	-0.036	06	0.20	23.197	15	35.6	18.49	21	35.6	F5	C8	8226	C -3610876
74	9.5	9.4W	35 30.249	-0.0003	21	-31 14 28.27	-0.076	21	0.43	30.255	22	32.1	26.91	21	32.1	F0	C7	8691	C -3113083
75	9.6	9.3W	35 34.060	-0.0121	21	-34 15 1.15	0.011	21	0.43	34.278	22	32.1	1.35	21	32.1	G5	C7	8692	C -3411156
76	9.8	9.7W	35 34.476	0.0016	21	-33 7 14.50	-0.043	21	0.43	34.447	22	32.1	13.74	21	32.1	G0	C7	8693	C -3211871
77	9.4	9.5W	35 38.625	-0.0045	21	-31 47 34.65	0.032	21	0.43	38.705	22	32.1	35.22	21	32.1	A0	C7	8694	C -3113085
78		6.1T	35 44.042	-0.0014	14	-37 7 6.38	-0.033	11	0.69	44.112	22	01.0	4.60	21	96.8	A0	GC	22368K	C -3610879
79	9.4	9.3W	35 47.869	-0.0016	21	-33 2 6.45	-0.029	21	0.43	47.897	22	32.1	5.94	21	32.1	F5	C7	8695	C -3211875
80	9.9	9.4W	35 51.079	0.0001	18	-37 51 1.85	0.037	18	0.32	51.077	15	35.6	2.39	21	35.6	F8	C8	8228	C -3710890
81	10.0	9.4W	35 52.462	0.0010	13	-36 54 30.10	-0.036	13	0.26	52.447	15	35.6	29.59	21	35.6	F5	C8	8229	C -3610881
82	10.1	9.5W	35 52.621	-0.0003	21	-33 48 4.34	0.028	21	0.43	52.628	22	32.1	4.85	21	32.1	G0	C7	8696	C -3311324
83	9.3	9.5W	36 0.575	-0.0035	21	-34 46 48.60	-0.025	21	0.43	0.639	22	32.1	48.15	21	32.1	F0	C7	8697	C -3411162
84	10.0	9.9W	36 3.447	-0.0016	21	-31 47 37.53	-0.006	21	0.43	3.475	22	32.1	37.42	21	32.1	F5	C7	8698	C -3113093
85	9.4	9.4W	36 5.785	-0.0040	21	-34 2 28.07	-0.007	21	0.43	5.857	22	32.1	27.95	21	32.1	A2	C7	8699	C -3311327
86	8.2	8.3W	36 7.881	-0.0013	13	-39 30 40.70	-0.043	13	0.26	7.899	15	35.6	40.09	21	35.6	A0	C8	8232	C -3910552
87	11.0	9.7W	36 7.919	-0.0009	21	-31 20 9.53	-0.035	21	0.43	7.935	22	32.1	8.91	21	32.1	K0 L	C7	8700	C -3113097
88	8.2	8.3W	36 9.540	-0.0026	21	-34 1 40.32	0.035	21	0.43	9.588	22	32.1	40.95	21	32.1	A2	C7	8701	C -3311329
89		7.6T	36 10.276	-0.0009	12	-30 22 1.23	0.022	09	0.61	10.324	17	96.5	2.48	17	92.6	G0	GC	22378	C -3013336
90	8.4	8.6W	36 14.683	-0.0008	21	-34 6 30.06	0.027	21	0.43	14.697	22	32.1	30.55	21	32.1	A2	C7	8703	C -3311331
91	8.3	8.4W	36 16.381	-0.0025	21	-31 37 38.96	0.004	21	0.43	16.425	22	32.1	39.02	21	32.1	A5	C7	8704	C -3113099
92	10.0	9.0W	36 25.497	-0.0042	10	-37 39 12.47	-0.027	10	0.23	25.557	15	35.6	12.09	21	35.6	K2	C8	8233	C -3710899
93	9.8	9.3W	36 29.607	-0.0023	21	-32 53 37.19	0.019	21	0.43	29.647	22	32.1	37.54	21	32.1	G5	C7	8705	C -3211883
94		8.0T	36 32.070	-0.0023	17	-39 41 28.64	-0.017	13	0.77	32.181	18	02.6	27.80	21	99.1	A0	GC	22385	C -3910556
95	9.2	8.8W	36 35.168	0.0092	06	-35 9 42.21	-0.085	06	0.20	35.035	15	35.6	40.99	21	35.6	K0	C8	8235	C -3511062
96	10.6	10.5W	36 43.385	-0.0022	18	-38 21 29.93	-0.031	18	0.32	43.417	15	35.6	29.49	21	35.6	A0	C8	8236	C -3811106
97	9.3	9.4W	36 44.953	-0.0063	13	-37 57 35.22	-0.002	13	0.26	44.957	15	35.6	35.19	21	35.6	B9	C8	8237	C -3710903
98	10.9	10.8W	36 46.545	-0.0071	23	-37 5 49.89	0.263	23	0.38	46.647	15	35.6	53.69	21	35.6	A0	C8	8238	C -3610892
99	8.1	8.2W	36 46.790	-0.0032	13	-36 23 7.59	-0.035	13	0.26	46.836	15	35.6	7.09	21	35.6	B8	C8	8239	C -3610893
00	8.9	8.8W	36 49.491	-0.0005	10	-39 22 19.11	-0.016	10	0.23	49.498	15	35.6	18.89	21	35.6	B8	C8	8240	C -3910562

207900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 16H DM NUMBER
1	10.6	10.2W	16 36 51.856	-0.0001	21	-33 6 15.56	-0.002	21	0.43	51.857	22	32.1	15.54	21	32.1	A0	L	C7	8706	C -3211890
2		7.5T	36 57.153	-0.0020	14	-39 49 32.41	-0.051	12	0.70	57.254	22	00.9	29.70	19	96.4	F2		GC	22395	C -3910564
3		6.6T	36 57.341	0.0002	09	-33 38 46.88	0.009	08	0.36	57.335	12	09.8	47.25	12	09.0	K0		GC	22396	C -3311343
4	8.0	6.2W	37 1.217	-0.0007	09	-37 32 35.50	0.006	09	0.22	1.227	15	35.6	35.59	21	35.6	A0		C8	8242	C -3710906
5	10.6	9.6W	37 6.003	-0.0012	21	-31 1 32.54	0.026	21	0.43	6.025	22	32.1	33.00	21	32.1	G5		C7	8708	C -3513355
6	8.8	8.8W	37 6.028	-0.0020	13	-37 41 48.91	-0.023	13	0.26	6.057	15	35.6	48.59	21	35.6	B8		C8	8243	C -3710908
7	9.0	8.0W	37 15.084	-0.0007	21	-34 12 22.22	0.035	21	0.43	15.098	22	32.1	22.85	21	32.1	K0		C7	8709	C*-3411178
8		8.1T	37 16.232	0.0009	20	-39 47 10.78	-0.001	15	0.85	16.194	24	04.9	10.75	22	00.8	G5		GC	22407	C -3910566
9		6.7T	37 19.139	-0.0001	15	-35 35 25.93	0.001	12	0.69	19.143	17	02.2	26.00	18	99.9	B8		GC	22408	C*-3511067
10	10.0	8.7W	37 19.560	0.0013	21	-33 48 8.61	-0.043	21	0.43	19.537	22	32.1	7.85	21	32.1	K2		C7	8710	C -3311349
11			37 25.273	0.0021	21	-32 17 1.11	0.001	21	0.43	25.235	22	32.1	1.12	21	32.1			C7	8711V	C*-3211900
12		7.1T	37 25.308	-0.0011	15	-37 3 26.25	-0.002	13	0.73	25.364	21	01.2	26.12	19	98.4	A0		GC	22414	C -3610899
13	9.0	8.1W	37 32.237	0.0007	21	-30 44 9.87	-0.037	21	0.43	32.225	22	32.1	9.21	21	32.1	K0		C7	8712	C -3013359
14	9.8	9.6W	37 32.579	-0.0027	13	-38 30 33.29	-0.041	13	0.26	32.618	15	35.6	32.69	21	35.6	A0		C8	8248	C*-3811120
15	8.0	7.8W	37 42.174	-0.0023	10	-37 47 41.67	-0.103	10	0.23	42.207	15	35.6	40.19	21	35.6	F5		C8	8249	C -3710911
16	9.4	9.4W	37 44.505	-0.0010	21	-30 6 2.55	-0.004	21	0.43	44.523	22	32.1	2.48	21	32.1	F5		C7	8713	C -2912728
17	9.8	10.2W	37 47.468	-0.0014	21	-30 17 33.22	0.048	21	0.43	47.494	22	32.1	34.08	21	32.1	A2		C7	8714	C -3013364
18	9.4	9.1W	37 48.252	-0.0073	06	-36 33 52.60	-0.057	06	0.20	48.357	15	35.6	51.79	21	35.6	F5		C8	8250	C -3610902
19	10.1	9.0W	37 55.597	-0.0022	09	-38 37 42.87	-0.019	09	0.22	55.628	15	35.6	42.59	21	35.6	G5		C8	8251	C -3811128
20	9.1	8.9W	37 59.859	0.0008	07	-37 58 56.14	-0.004	07	0.21	59.847	15	35.6	56.09	21	35.6	F2		C8	8252	C -3710917
21	10.5	10.1W	38 0.126	-0.0067	21	-31 53 1.38	-0.070	21	0.43	0.245	22	32.1	0.12	21	32.1	K0	L	C7	8715	C -3113121
22	10.4	10.1W	38 1.117	-0.0038	21	-31 17 52.51	-0.017	21	0.43	1.185	22	32.1	52.21	21	32.1	G2	L	C7	8716	C -3113122
23		8.8R	38 5.539	0.0002	17	-30 16 26.22	0.002	17	0.31	5.536	16	33.9	26.25	16	33.9	K7	M	13B	10439	J -3013367
24	10.4	10.4W	38 8.955	-0.0024	21	-32 35 17.10	0.041	21	0.43	8.997	22	32.1	17.84	21	32.1	A0	L	C7	8717	C -3211906
25	9.8	9.4W	38 14.594	-0.0038	10	-38 36 48.60	-0.022	10	0.23	14.648	15	35.6	48.29	21	35.6	A2		C8	8254	C -3811134
26	8.5	8.5W	38 16.028	-0.0015	13	-39 30 14.06	-0.026	13	0.26	16.049	15	35.6	13.69	21	35.6	A2		C8	8255	C -3910579
27	9.5	9.2W	38 18.139	-0.0043	21	-32 13 21.83	-0.056	21	0.43	18.215	22	32.1	20.82	21	32.1	G5		C7	8718	C -3211908
28	9.5	9.6W	38 21.828	0.0003	21	-30 29 33.01	0.054	21	0.43	21.823	22	32.1	33.98	21	32.1	A0		C7	8719	C -3013371
29		8.0T	38 29.188	-0.0008	16	-32 43 33.87	-0.021	14	0.83	29.228	21	97.1	32.76	21	96.9	B5		GC	22441	C -3211911
30		5.9T	38 30.982	-0.0046	13	-33 3 1.06	-0.084	11	0.65	31.207	15	00.5	56.73	17	98.4	G0		GC	22444	C -3211913
31	9.4	9.2W	38 34.448	0.0011	21	-33 0 2.73	0.000	21	0.43	34.427	22	32.1	2.74	21	32.1	G0	L	C7	8722	C -3211915
32	10.5	9.3W	38 35.203	0.0017	21	-30 21 17.29	0.033	21	0.43	35.173	22	32.1	17.88	21	32.1	K2		C7	8723	C -3013375
33	8.5	8.7W	38 36.682	-0.0003	21	-32 42 54.40	-0.043	21	0.43	36.687	22	32.1	53.64	21	32.1	A2		C7	8724	C -3211916
34	8.0	8.1W	38 41.741	-0.0013	13	-39 42 53.72	-0.056	13	0.26	41.759	15	35.6	52.89	21	35.6	A3		C8	8256	C -3910591
35	10.5	8.8W	38 41.994	-0.0015	13	-35 31 54.76	-0.033	13	0.26	42.016	15	35.6	54.29	21	35.6	K5		C8	8257	C -3511079
36	10.5	9.0W	38 47.552	0.0018	13	-36 27 42.27	-0.027	13	0.26	47.526	15	35.6	41.89	21	35.6	K2		C8	8258	C -3610909
37	10.3	8.8W	38 50.269	-0.0019	21	-30 24 55.46	0.001	21	0.43	50.303	22	32.1	55.48	21	32.1	K2	L	C7	8725	C -3013379
38	9.2	9.2W	38 51.636	-0.0051	21	-34 22 0.09	0.003	21	0.43	51.728	22	32.1	0.15	21	32.1	F8		C7	8726	C -3411198
39		7.7T	38 54.803	0.0017	13	-30 26 4.39	-0.025	10	0.66	54.714	21	97.9	2.98	19	94.3	K0		GC	22451	C*-3013380
40	9.8	9.5W	38 58.193	-0.0018	21	-31 24 33.18	-0.004	21	0.43	58.225	22	32.1	33.11	21	32.1	G0		C7	8728	C -3113140
41	9.5	9.3W	39 3.475	-0.0007	21	-32 41 40.25	-0.046	21	0.43	3.487	22	32.1	39.44	21	32.1	G5		C7	8729	C -3211923
42	9.3	9.1W	39 6.019	-0.0027	13	-38 50 7.46	-0.026	13	0.26	6.058	15	35.6	7.09	21	35.6	A5		C8	8261	C -3811145
43		6.6T	39 7.927	-0.0029	08	-36 59 2.56	-0.109	08	0.37	8.056	12	06.0	57.52	12	04.0	G5		GC	22459K	C*-3610916
44	10.0	10.0W	39 9.523	-0.0051	21	-30 54 17.62	0.033	21	0.43	9.615	22	32.1	18.21	21	32.1	A3		C7	8730	C -3013387
45	8.2	8.6W	39 17.506	0.0028	21	-32 12 17.46	-0.013	21	0.43	17.455	22	32.1	17.22	21	32.1	A0		C7	8731	C -3211927
46	11.3	9.9W	39 19.605	-0.0040	21	-34 18 6.94	-0.028	21	0.43	19.678	22	32.1	6.45	21	32.1			C7	8732	C -3411205
47	9.4	9.0W	39 19.931	-0.0033	18	-38 51 40.11	-0.002	18	0.32	19.978	15	35.6	40.09	21	35.6	F8		C8	8263	C -3811146
48	9.9	10.1W	39 23.776	-0.0040	21	-34 39 11.31	-0.115	21	0.43	23.849	22	32.1	9.26	21	32.1	A0		C7	8733	C -3411206
49		7.1T	39 24.923	-0.0005	17	-37 14 49.93	-0.093	13	0.77	24.949	18	02.4	45.15	21	98.9	G5		GC	22466	C -3710931
50	8.8	8.7W	39 24.991	-0.0018	13	-37 46 20.14	-0.011	13	0.26	25.017	15	35.6	19.99	21	35.6	B2		C8	8265	C -3710930
51	8.6	8.9W	16 39 33.065	0.0004	21	-32 35 37.05	-0.046	21	0.43	33.057	22	32.1	36.24	21	32.1	B8		C7	8734	C -3211931
52	8.7	8.1W	39 36.312	-0.0060	08	-39 24 56.08	0.007	08	0.22	36.398	15	35.6	56.19	21	35.6	G5		C8	8266	C -3910605
53	7.5	7.7W	39 36.540	-0.0016	13	-38 34 41.90	-0.078	13	0.26	36.548	15	35.6	40.79	21	35.6	B9		C8	8267	C -3811149
54	8.8	8.8W	39 45.142	0.0010	08	-36 32 19.94	-0.129	08	0.22	45.127	15	35.6	18.09	21	35.6	K0		C8	8268	C -3610926
55	8.6	8.4W	39 51.327	-0.0020	06	-35 34 13.01	0.005	06	0.20	51.356	15	35.6	13.09	21	35.6	A0		C8	8269	C -3511084
56	10.4	9.9W	39 53.822	-0.0023	13	-35 6 33.99	-0.049	13	0.26	53.855	15	35.6	33.29	21	35.6	K1	L	C8	8270	C -3411216
57	9.8	8.9W	39 56.446	-0.0027	21	-31 15 6.15	-0.047	21	0.43	56.495	22	32.1	5.31	21	32.1	K0		C7	8735	C -3113153
58	10.3	10.0W	39 59.522	0.0003	21	-33 56 43.93	-0.027	21	0.43	59.518	22	32.1	43.45	21	32.1	F8		C7	8736	C -3311391
59	9.2	9.3W	39 59.608	0.0014	21	-30 18 9.80	0.049	21	0.43	59.583	22	32.1	10.68	21	32.1	A0		C7	8737	C -3013396
60		10.2W	40 2.275	-0.0024	21	-32 36 49.97	0.059	21	0.43	2.317	22	32.1	51.04	21	32.1			C7	8738	C -3211947
61		9.1R	40 3.634	-0.0027	20	-30 8 23.22	-0.016	20	0.35	3.678	16	33.9	22.96	16	33.9	G0	M	13B	10463	J -2912772
62	9.1	8.5W	40 15.105	-0.0058	13	-39 23 28.36	-0.089	13	0.26	15.188	15	35.6	27.09	21	35.6	G0		C8	8271	C -3910616
63		7.8T	40 22.192	0.0015	11	-31 7 59.66	0.017	10	0.61	22.111	17	95.8	+ 0.69	18	91.1	A3		GC	22478	C*-3013402
64	9.8	9.5W	40 22.668	-0.0020	13	-36 57 34.87	-0.027	13	0.26	22.697	15	35.6	34.49	21	35.6	F5		C8	8273	C -3610934
65	9.8	9.5W	40 23.102	-0.0073	08	-36 47 21.27	-0.013	08	0.22	23.207	15	35.6	21.09	21	35.6	A0		C8	8274	C -3610935
66		6.2T	40 24.451	-0.0008	13	-38 3 46.93	-0.051	12	0.65	24.492	18	00.8	44.29	18	98.6	A0		GC	22479K	C -3710942
67		6.5T	40 25.490	-0.0008	06	-32 0 45.64	-0.017	05	0.29	25.525	12	04.4	44.82	12	01.4	B9		GC	22482	C*-3113161
68	10.4	9.1W	40 28.421	0.0035	21	-33 3 15.15	-0.035	21	0.43	28.357	22	32.1	14.54	21	32.1	K5		C7	8741	C -3211954
69		9.1R	40 29.306	0.0040	20	-30 5 47.75	0.032	20	0.35	29.242	16	33.9	48.26	16	33.9	K2	M	13B	10468	J -2912781
70	7.6	7.9W	40 33.010	-0.0019	18	-38 14 26.94	-0.032	18	0.32	33.037	15	35.6	26.49	21	35.6	A0		C8	8277	C -3811167
71	11.0	9.0W	40 37.760	0.0002	13	-36 32 48.20	-0.007	13	0.26	37.757	15	35.6	48.09	21	35.6	MA		C8	8278	C -3610938
72	10.7	9.9W	40 40.339	-0.0016	21	-32 56 18.09	-0.065	21	0.43	40.367	22	32.1	16.94	21	32.1	G5		C7	8742	C -3211960
73	9.5	9.2W	40 43.053	0.0004	21	-32 28 23.71	0.012	21	0.43	43.045	22	32.1	23.92	21	32.1	G0		C7	8743	C -3211962
74	9.8	9.6W	40 46.981	-0.0041	21	-30 42 5.50	0.023	21	0.43	47.055	22	32.1	5.91	21	32.1	G0		C7	8744	C -3013409
75	9.5	8.3W	40 49.480	0.0004	21	-30 10 2.38	-0.028	21	0.43	49.473	22	32.1	1.88	21	32.1	K5		C7	8745	C -3013411
76	10.0	8.3W	40 58.650	-0.0008	21	-30 54 55.22	0.005	21	0.43	58.665	22	32.1	55.30	21	32.1	MA		C7	8746	C -3013414
77	10.5	9.8W	41 0.426	0.0005	21	-33 54 6.45	-0.045	21	0.43	0.418	22	32.1	5.65	21	32.1	G5		C7	8747	C -3311406
78	10.7	9.8W	41 2.672	-0.0014	21	-34 20 41.40	-0.009	21	0.43	2.698	22	32.1	41.25	21	32.1	K0		C7	8748	C -3411233
79	8.2	7.0W	41 17.058	-0.0021	13	-39 18 2.70	-0.050	13	0.26	17.088	15	35.6	1.99	21	35.6	K0		C8	8282	C -3910635
80	10.5	9.4W	41 17.943	-0.0012	21	-31 2 10.36	-0.020	21	0.43	17.965	22	32.1	10.00	21	32.1	K2		C7	8749	C -3013420
81	9.5	8.7W	41 24.201	0.0020	21	-32 23 21.84	0.044	21	0.43	24.165	22	32.1	22.62	21	32.1	K0		C7	8750	C -3211972
82	10.8	9.6W	41 24.948	-0.0014	21	-30 15 36.10	0.021	21	0.43	24.973	22	32.1	36.48	21	32.1	K0		C7	8751	C -3013422
83	10.6	9.3W	41 25.790	-0.0019	13	-38 21 57.76	-0.040	13	0.26	25.817	15	35.6	57.19	21	35.6	G5		C8	8284	C -3811184
84	9.0	9.3W	41 28.186	0.0006	21	-31 30 59.66	-0.041	21	0.43	28.175	22	32.1	58.92	21	32.1	A0		C7	8752	C -3113179
85	10.1	10.4W	41 35.462	0.0043	21	-30 48 11.73	0.032	21	0.43	35.385	22	32.1	12.31	21	32.1	A0		C7	8753	C -3013426
86	11.3	9.7W	41 39.550	0.0029	21	-33 16 43.97	-0.036	21	0.43	39.497	22	32.1	43.34	21	32.1	MA		C7	8754	C -3311413
87	10.5	9.1W	41 42.293	-0.0011	21	-30 18 13.05	-0.015	21	0.43	42.313	22	32.1	12.79	21	32.1	K2		C7	8755	C -3013429
88	9.7	10.0W	41 45.076	-0.0006	21	-34 12 33.84	0.017	21	0.43	45.088	22	32.1	34.15	21	32.1	B9		C7	8756	C -3411239
89	10.6	9.1W	41 52.694	-0.0002	21	-33 22 32.09	-0.020	21	0.43	52.697	22	32.1	31.74	21	32.1	K5		C7	8757	C -3311415
90	9.7	8.2W	41 53.255	-0.0028	21	-31 17 19.65	-0.019	21	0.43	53.305	22	32.1	19.31	21	32.1	K5		C7	8758	C -3113184
91	10.3	10.2W	41 54.440	-0.0013	21	-30 8 26.85	-0.026	21	0.43	54.463	22	32.1	26.39	21	32.1	G5		C7	8759	C -2912801
92	10.9	9.2W	41 56.895	0.0013	13	-36 16 40.16	-0.019	13	0.26	56.876	15	35.6	39.89	21	35.6	K2	L	C8	8285	C -3610943
93	10.2	9.7W	41 58.138	-0.0013	18	-37 13 45.39	-0.028	18	0.32	58.157	15	35.6	44.99	21	35.6	F5		C8	8286	C -3710960
94	8.8	8.9W	42 3.266	0.0038	21	-32 32 20.83	-0.039	21	0.43	3.197	22	32.1	20.14	21	32.1	A0		C7	8760	G -3211984
95		7.0T	42 7.755	-0.0002	11	-30 42 56.72	0.019	09	0.59	7.765	18	98.0	57.81	18	94.1	K2		GC	22526	C -3013434
96	9.8	8.8W	42 10.245	0.0004	21	-34 31 23.35	-0.011	21	0.43	10.239	22	32.1	23.16	21	32.1	K2		C7	8762	C -3411244
97	8.4	8.7W	42 16.550	-0.0003	21	-32 24 45.32	0.034	21	0.43	16.555	22	32.1	45.92	21	32.1	B9		C7	8763	C -3211989
98		9.0R	42 18.046	-0.0016	21	-30 11 16.98	-0.101	21	0.37	18.073	16	33.9	15.36	16	33.9	K0	M	13B	10495	J -3013436
99		7.2T	42 19.399	0.0042	12	-33 45 30.70	-0.074	12	0.64	19.189	17	99.4	26.89	17	98.6	F8		GC	22531	C*-3311421
00	9.5	9.3W	42 20.627	-0.0028	10	-38 4 36.40	-0.022	10	0.23	20.667	15	35.6	36.09	21	35.6	B5		C8	8287	C -3710964

208000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 16H DM NUMBER
1	10.0	9.8W	16 42 22.216	0.0013	21	-30 27 28.09	0.016	21	0.43	22.193	22	32.1	28.39	21	32.1	F5 L	C7	8765	C -3013437
2	9.5	9.0W	42 28.401	-0.0045	13	-35 46 36.70	-0.063	13	0.26	28.466	15	35.6	35.79	21	35.6	G5	C8	8288	C -3511093
3	10.6	9.5W	42 28.458	-0.0037	21	-31 10 22.08	-0.004	21	0.43	28.525	22	32.1	22.01	21	32.1	K2	C7	8766	C -3113203
4	10.0	7.7W	42 28.714	-0.0004	13	-39 47 10.98	0.021	13	0.26	28.719	15	35.6	11.29	21	35.6	K5	C8	8289	C -3910653
5	10.1	9.8W	42 29.046	-0.0066	21	-30 56 58.80	-0.022	21	0.43	29.165	22	32.1	58.40	21	32.1	G0	C7	8767	C -3013439
6	10.9	9.5W	42 33.010	-0.0053	13	-36 20 15.19	0.013	13	0.26	33.086	15	35.6	15.39	21	35.6	K0 L	C8	8290	C -3610949
7	10.6	9.5W	42 40.371	-0.0008	21	-32 17 19.30	-0.020	21	0.44	40.385	22	31.6	18.92	21	31.6	K0 L	C7	8768	C -3211996
8	10.8	9.0W	42 42.441	-0.0010	13	-35 32 53.99	-0.035	13	0.26	42.426	15	35.6	53.49	21	35.6	K0 L	C8	8291	C -3511095
9	10.3	10.0W	42 45.824	0.0043	21	-31 16 1.49	-0.048	21	0.44	45.745	22	31.6	0.61	21	31.6	G0	C7	8769	C -3113205
10	9.6	9.0W	42 46.161	-0.0094	08	-35 51 24.22	0.032	08	0.22	46.296	15	35.6	24.69	21	35.6	G5	C8	8292	C -3511096
11	8.8	8.7W	42 46.971	-0.0013	13	-39 39 19.17	-0.013	13	0.26	46.989	15	35.6	18.99	21	35.6	F0	C8	8293	C -3910660
12	8.2	8.3W	42 46.976	-0.0009	13	-39 41 37.74	0.003	13	0.26	46.989	15	35.6	37.79	21	35.6	A2	C8	8294	C -3910661
13	10.0	9.8W	42 47.111	-0.0024	21	-31 42 24.78	-0.030	21	0.44	47.155	22	31.6	24.22	21	31.6	F8	C7	8770	C -3113206
14	9.9	8.9W	42 49.414	-0.0022	21	-31 24 46.74	-0.018	21	0.44	49.455	22	31.6	46.41	21	31.6	K5	C7	8771	C -3113208
15	8.1	8.3W	42 51.587	-0.0001	10	-39 10 56.62	-0.051	10	0.23	51.588	15	35.6	55.89	21	35.6	A0	C8	8295	C -3910662
16	10.5	10.0W	42 59.081	-0.0046	18	-37 38 22.58	-0.075	18	0.32	59.147	15	35.6	21.49	21	35.6	G5	C8	8296	C -3710973
17	9.2	9.0W	43 18.079	-0.0005	13	-35 42 14.80	-0.015	13	0.26	18.086	15	35.6	14.59	21	35.6	F2	C8	8298	C -3511100
18	9.9	9.5W	43 21.552	0.0003	13	-36 46 17.13	-0.052	13	0.26	21.547	15	35.6	16.39	21	35.6	G0	C8	8299	C -3610956
19	10.0	10.0W	43 21.610	-0.0045	21	-30 10 50.18	0.027	21	0.44	21.693	22	31.6	50.68	21	31.6	A2	C7	8772	C -3013450
20		5.5T	43 22.335	-0.0028	11	-39 17 14.30	-0.035	09	0.41	22.442	14	12.1	12.88	14	08.9	K0	GC	22559	C -3910677
21	10.5	8.9W	43 26.307	-0.0004	21	-30 31 52.55	0.079	21	0.44	26.315	22	31.6	54.00	21	31.6	K5	C7	8773	C -3013452
22		8.0T	43 26.830	0.0001	15	-32 51 29.09	-0.009	12	0.70	26.823	18	01.6	28.64	18	99.3	A0	GC	22561	C -3212008
23	10.8	9.8W	43 27.192	-0.0040	21	-35 3 43.97	0.011	21	0.44	27.266	22	31.6	44.18	21	31.6	K0 L	C7	8775	C -3411254
24		6.9T	43 35.868	0.0004	14	-39 26 40.89	-0.046	11	0.68	35.850	22	00.8	38.40	19	95.3	B9	GC	22563	C*-3910684
25	8.2	8.4W	43 39.013	-0.0004	08	-39 29 35.30	-0.015	08	0.22	39.018	15	35.6	35.09	21	35.6	A0	C8	8302	C -3910687
26		7.6T	43 40.456	-0.0008	11	-31 21 49.03	-0.003	09	0.56	40.497	15	98.3	48.89	15	94.1	A0	GC	22566	C -3113224
27	10.5	10.2W	43 43.600	-0.0005	18	-38 20 57.93	-0.017	18	0.32	43.607	15	35.6	57.69	21	35.6	A0	C8	8303	C -3811208
28	9.6	8.6W	43 46.633	-0.0017	21	-30 54 26.79	-0.032	21	0.44	46.665	22	31.6	28.20	21	31.6	K5	C7	8777	C -3013463
29	9.8	9.7W	43 50.385	-0.0060	21	-35 2 37.70	-0.056	21	0.44	50.496	22	31.6	36.68	21	31.6	A0	C7	8778	C -3411259
30	9.6	9.4W	44 4.392	-0.0039	10	-39 17 2.44	0.003	10	0.23	4.448	15	35.6	2.49	21	35.6	A2	C8	8304	C -3910697
31	10.1	9.7W	44 16.870	-0.0018	13	-35 57 27.34	-0.018	13	0.26	16.896	15	35.6	27.09	21	35.6	A2	C8	8305	C -3511105
32	10.3	10.1W	44 17.839	-0.0029	21	-30 29 27.96	0.023	21	0.44	17.893	22	31.6	28.38	21	31.6	F8 L	C7	8779	C -3013469
33	9.9	9.2W	44 18.222	-0.0035	21	-34 7 47.33	0.006	21	0.44	18.288	22	31.6	47.44	21	31.6	G5	C7	8780	C -3311449
34		7.8T	44 20.257	-0.0020	14	-33 36 38.81	-0.064	10	0.63	20.357	17	00.8	35.50	17	98.3	F5	GC	22583	C*-3311450
35	9.2	9.2W	44 22.345	-0.0022	21	-31 46 22.04	-0.006	21	0.44	22.385	22	31.6	21.92	21	31.6	A0	C7	8782	C -3113236
36	7.8	7.9W	44 31.356	-0.0016	13	-39 52 37.47	-0.006	13	0.26	31.379	15	35.6	37.39	21	35.6	A0	C8	8306	C -3910703
37	9.9	9.4W	44 33.293	-0.0035	21	-33 5 57.21	-0.064	21	0.44	33.357	22	31.6	56.04	21	31.6	G5	C7	8783	C -3212025
38	9.9	10.0W	44 34.272	-0.0019	21	-34 0 3.07	-0.045	21	0.44	34.308	22	31.6	2.25	21	31.6	B9	C7	8784	C -3311452
39	10.2	10.1W	44 41.810	-0.0013	18	-38 45 7.71	-0.002	18	0.32	41.828	15	35.6	7.69	21	35.6	A0	C8	8307	C -3811216
40	10.2	8.8W	44 42.274	-0.0040	21	-32 59 8.13	-0.011	21	0.44	42.347	22	31.6	7.94	21	31.6	K5	C7	8785	C -3212027
41	10.8		44 42.784	-0.0057	08	-36 4 15.25	-0.095	08	0.22	42.866	15	35.6	13.89	21	35.6	A3 L	C8	8308	C -3511109
42	10.0	9.6W	44 45.762	-0.0038	13	-36 42 57.04	-0.004	13	0.26	45.817	15	35.6	56.99	21	35.6	G5	C8	8309	C -3610970
43		7.2T	44 49.962	-0.0017	15	-36 47 45.18	0.026	10	0.68	50.048	19	00.4	46.59	19	95.1	A5	GC	22595K	C -3610972
44	9.5	9.4W	44 49.985	-0.0003	13	-39 42 12.73	-0.031	13	0.26	49.989	15	35.6	12.29	21	35.6	A0	C8	8310	C -3910711
45		8.9T	44 51.365	0.0041	20	-36 48 5.75	-0.009	17	0.87	51.178	18	04.0	5.31	19	03.1	A	GC	22596K	C -3610973
46	10.9	9.4W	44 53.355	0.0015	21	-33 10 12.30	0.034	21	0.44	53.327	22	31.6	12.94	21	31.6		C7	8786	C -3311455
47	9.5	9.8W	44 59.881	-0.0030	21	-31 30 41.43	0.011	21	0.44	59.935	22	31.6	41.62	21	31.6	A0	C7	8787	C -3113242
48	8.9	8.8W	45 1.298	-0.0015	13	-39 30 35.93	-0.031	13	0.26	1.319	15	35.6	35.49	21	35.6	A0	C8	8313	C -3910713
49	10.7	9.7W	45 6.052	-0.0051	21	-31 59 12.79	0.029	21	0.44	6.145	22	31.6	13.32	21	31.6	G0 L	C7	8788	C -3113244
50		6.9T	45 12.533	0.0000	10	-31 6 57.15	-0.008	08	0.51	12.533	14	98.0	56.73	14	94.2	B8	GC	22600	C -3013483
51	7.6	7.4W	16 45 15.890	-0.0019	07	-37 9 47.18	-0.104	07	0.21	15.917	15	35.6	45.69	21	35.6	F5	C8	8314	C -3710994
52		9.1R	45 16.803	-0.0052	20	-30 21 58.76	-0.051	20	0.35	16.887	16	33.9	37.93	16	33.9	A0 J	13B	10531	J -3013486
53	7.8	8.1W	45 17.018	-0.0035	21	-30 16 40.20	0.010	21	0.44	17.104	22	31.6	40.38	21	31.6	A0	C7	8790	C -3013487
54	9.1	7.8W	45 19.837	-0.0028	10	-37 59 10.46	-0.061	10	0.23	19.877	15	35.6	9.59	21	35.6	K0	C8	8316	C -3710995
55	9.8	9.0W	45 29.724	0.0006	21	-30 26 10.42	0.025	21	0.44	29.713	22	31.6	10.88	21	31.6	K0	C7	8791	C -3013488
56	10.0	9.5W	45 32.836	-0.0008	13	-36 38 20.39	-0.041	13	0.26	32.847	15	35.6	19.79	21	35.6	G0	C8	8318	C -3610981
57	9.5	9.1W	45 36.799	-0.0009	21	-31 49 11.59	-0.025	21	0.44	36.815	22	31.6	11.12	21	31.6	G0	C7	8792	C -3113255
58	10.4	10.0W	45 38.144	-0.0051	21	-34 59 29.70	-0.030	21	0.44	38.239	22	31.6	29.16	21	31.6	A3	C7	8793	C -3411274
59	9.0	8.9W	45 39.252	0.0003	21	-33 50 57.63	-0.043	21	0.44	39.247	22	31.6	56.85	21	31.6	A3	C7	8794	C -3311463
60	10.4	9.4W	45 39.910	0.0012	21	-34 46 47.88	0.004	21	0.44	39.889	22	31.6	47.95	21	31.6	G5	C7	8795	C -3411276
61	8.8	8.7W	45 41.500	0.0002	21	-33 38 31.14	0.022	21	0.44	41.498	22	31.6	31.55	21	31.6	A5	C7	8796	C -3311465
62	9.3	9.0W	45 43.569	-0.0005	13	-36 25 42.84	-0.024	13	0.26	43.576	15	35.6	42.49	21	35.6	F8	C8	8319	C -3610983
63	9.0	9.1W	45 57.507	-0.0060	21	-32 40 51.49	0.013	21	0.44	57.617	22	31.6	51.74	21	31.6	B9	C7	8797	C -3212048
64	9.3	8.9W	45 59.509	-0.0036	21	-30 41 39.35	0.003	21	0.44	59.575	22	31.6	39.41	21	31.6	F5	C7	8798	C -3013492
65		7.3T	46 2.686	-0.0006	11	-33 55 47.32	-0.053	09	0.57	2.719	17	99.1	44.44	17	95.8	A2	GC	22619	C -3311468
66	10.0	9.9W	46 9.189	-0.0041	21	-31 23 29.55	-0.024	21	0.44	9.265	22	31.6	29.10	21	31.6	F5	C7	8800	C -3113263
67	9.8	9.7W	46 13.402	-0.0017	13	-36 15 15.51	0.027	13	0.26	13.426	15	35.6	15.89	21	35.6	A0	C8	8321	C -3610989
68	9.5	9.6W	46 15.577	-0.0015	18	-38 54 16.56	-0.012	18	0.32	15.598	15	35.6	16.39	21	35.6	A0	C8	8322	C -3811230
69		6.9T	46 20.464	-0.0015	09	-31 33 54.37	-0.008	09	0.49	20.540	14	97.8	53.94	15	95.8	K0	GC	22625K	C*-3113265
70	8.6	7.7W	46 23.878	0.0036	06	-36 19 12.12	-0.002	06	0.20	23.826	15	35.6	12.09	21	35.6	K0	C8	8323	C -3610991
71	9.4	9.2W	46 27.812	-0.0044	13	-35 12 40.67	0.022	13	0.26	27.875	15	35.6	40.99	21	35.6	F8	C8	8324	C -3511127
72	9.6	9.4W	46 29.898	-0.0034	13	-38 27 31.69	-0.028	13	0.26	29.947	15	35.6	31.29	21	35.6	B5	C8	8325	C -3811234
73	9.5	9.1W	46 30.348	-0.0014	10	-39 16 12.71	0.005	10	0.23	30.368	15	35.6	12.79	21	35.6	G5	C8	8326	C -3910744
74	10.1	9.8W	46 32.225	-0.0016	21	-31 7 12.63	0.037	21	0.44	32.255	22	31.6	13.31	21	31.6	F5	C7	8802	C -3013504
75	9.5	9.6W	46 41.156	-0.0037	21	-30 35 32.29	0.012	21	0.44	41.225	22	31.6	32.51	21	31.6	A0	C7	8803	C -3013505
76	10.2	9.6W	46 44.564	-0.0001	21	-31 43 48.83	-0.022	21	0.44	44.565	22	31.6	48.42	21	31.6	G5	C7	8804	C -3113272
77	9.1	9.1W	46 45.151	-0.0062	21	-32 22 58.82	-0.043	21	0.44	45.265	22	31.6	58.02	21	31.6	B9	C7	8805	C -3212061
78		2.4H	46 55.206	-0.0492	02	-34 12 15.56	-0.255	02	0.08	57.246	04	08.5	5.75	04	11.5	K0	F4	628	C -3411285
79	8.2	8.4W	47 1.194	-0.0009	18	-37 57 46.01	-0.002	18	0.32	1.207	15	35.6	45.99	21	35.6	A0	C8	8327	C -3711014
80	10.2	9.5W	47 8.050	0.0041	21	-30 55 29.06	-0.003	21	0.44	7.975	22	31.6	29.01	21	31.6	G5	C7	8807	C -3013512
81	9.6	8.9W	47 12.856	0.0001	21	-30 46 1.00	0.049	21	0.44	12.855	22	31.6	1.91	21	31.6	K0	C7	8808	C -3013515
82	8.7	8.9W	47 19.817	0.0013	21	-30 10 10.30	0.015	21	0.44	19.793	22	31.6	10.58	21	31.6	A0	C7	8809	C -3013517
83		7.2T	47 21.659	-0.0008	17	-38 10 17.41	-0.041	15	0.77	21.697	22	04.3	15.49	22	03.7	B9	GC	22651	C -3811244
84	9.7	9.9W	47 21.873	-0.0039	21	-31 8 31.56	-0.030	21	0.44	21.945	22	31.6	31.01	21	31.6	A0	C7	8810	C -3013518
85	8.6	7.8W	47 26.804	-0.0017	21	-31 33 5.59	-0.025	21	0.44	26.835	22	31.6	5.12	21	31.6	G5	C7	8811	C -3113282
86			47 28.919	-0.0025	18	-35 24 38.27	-0.013	18	0.32	28.955	15	35.6	38.09	21	35.6	A0 L	C8	8329	C -3511135
87	8.7	8.6W	47 34.222	-0.0005	08	-39 55 0.34	-0.046	08	0.22	34.229	15	35.6	-59.69	21	35.6	F0	C8	8330	C -3910757
88	8.8	8.3W	47 36.161	-0.0025	08	-36 40 11.94	-0.114	08	0.22	36.197	15	35.6	10.29	21	35.6	G5	C8	8331	C -3611009
89		6.2T	47 37.355	-0.0024	13	-37 25 47.14	-0.010	11	0.64	37.474	17	01.3	46.60	18	97.8	B9	GC	22658K	C*-3711023
90	10.0	9.6W	47 45.223	-0.0003	13	-36 41 14.04	-0.046	13	0.26	45.227	15	35.6	13.39	21	35.6	A3	C8	8333	C -3611012
91	9.5	8.3W	47 49.864	0.0010	13	-39 45 5.95	-0.039	13	0.26	49.849	15	35.6	5.39	21	35.6	K0	C8	8334	C -3910762
92	9.3	9.4W	47 58.763	-0.0023	21	-31 31 52.82	-0.021	21	0.44	58.805	22	31.6	52.42	21	31.6	A0	C7	8812	C -3113289
93	8.5	7.7W	47 59.985	-0.0000	21	-30 35 17.88	-0.031	21	0.44	59.985	22	31.6	17.31	21	31.6	K0	C7	8813	C -3013527
94	9.5	9.5W	48 1.751	-0.0020	21	-32 52 7.32	-0.016	21	0.44	1.787	22	31.6	7.04	21	31.6	A0	C7	8814	C -3212075
95	9.7	8.6W	48 6.204	0.0010	13	-39 36 48.68	0.000	13	0.26	6.189	15	35.6	48.69	21	35.6	K0	C8	8335	C -3910772
96	10.2	9.4W	48 7.644	-0.0007	21	-33 44 27.24	0.038	21	0.44	7.658	22	31.6	27.95	21	31.6	G5	C7	8815	C -3311504
97	10.6	9.6W	48 8.806	-0.0055	21	-32 50 27.00	-0.015	21	0.44	8.907	22	31.6	26.74	21	31.6	K2	C7	8816	C -3212078
98	9.9	8.9W	48 19.881	-0.0031	21	-32 41 15.72	0.006	21	0.44	19.937	22	31.6	15.84	21	31.6	K0	C7	8817	C -3212084
99	9.0	9.2W	48 22.051	-0.0025	13	-37 58 7.32	-0.092	13	0.26	22.087	15	35.6	5.99	21	35.6	F8	C8	8336	C -3711031
00		9.3R	48 23.505	0.0068	20	-30 26 5.73	0.052	20	0.35	23.396	16	33.9	6.56	16	33.9	F8 M	13B	10573	J -3013533

208100

NUMBER	MAGNITUDES m_{pg}	m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 16H DM NUMBER
1	9.7	9.5W	16 48 26.031	-0.0019	21	-32 27 21.01	-0.010	21	0.44	26.065	22	31.6	20.82	21	31.6	A3	C7	8818	C -3212087
2		3.1N	48 28.679	-0.0010	02	-37 57 48.92	-0.029	02	0.10	28.717	04	11.4	47.80	04	11.2	B3P	F4	1439V	C -3711033
3	11.0	9.7W	48 28.778	-0.0019	21	-30 10 19.61	-0.007	21	0.44	28.813	22	31.6	19.48	21	31.6	K2 L	C7	8819	C -3013534
4	9.7	9.5W	48 29.442	-0.0044	21	-30 4 15.64	0.051	21	0.44	29.523	22	31.6	16.58	21	31.6	F5	C7	8820	C -2912928
5	10.3	8.6W	48 30.179	-0.0019	13	-35 39 30.14	-0.011	13	0.26	30.206	15	35.6	29.99	21	35.6	K5	C8	8338	C -3511146
6	8.7	8.1W	48 37.005	-0.0009	13	-39 9 42.38	0.028	13	0.26	37.018	15	35.6	42.79	21	35.6	A0	C8	8339	C -3910785
7	9.9	8.9W	48 37.051	-0.0001	21	-30 17 22.71	0.004	21	0.44	37.054	22	31.6	22.78	21	31.6	K0	C7	8821	C -3013537
8	9.2	7.5W	48 38.915	-0.0014	13	-35 22 31.45	0.016	13	0.26	39.935	15	35.6	31.69	21	35.6	K0	C8	8340	C# -3511147
9	9.5	8.3W	48 40.007	0.0001	21	-32 5 55.04	-0.006	21	0.44	40.005	22	31.6	54.92	21	31.6	K0	C7	8822	C -3113294
10	9.4	9.3W	48 43.401	0.0003	21	-31 43 56.93	-0.011	21	0.44	43.395	22	31.6	56.72	21	31.6	A2	C7	8823	C -3113293
11	10.8	8.9W	48 44.243	0.0018	13	-37 7 27.58	-0.082	13	0.26	44.217	15	35.6	28.69	21	35.6	K5	C8	8341	C -3611022
12	8.9	8.7W	48 45.557	-0.0035	13	-37 54 36.77	-0.027	13	0.26	45.607	15	35.6	36.39	21	35.6	F2	C8	8342	C -3711036
13	9.7	9.9W	48 45.603	0.0019	21	-32 59 12.73	-0.065	21	0.44	45.567	22	31.6	11.54	21	31.6	A0	C7	8824	C -3212082
14	9.6	8.7W	48 51.498	-0.0009	21	-31 6 45.90	-0.021	21	0.44	51.515	22	31.6	45.51	21	31.6	K0	C7	8825	C -3013541
15	10.3	9.7W	48 55.186	-0.0061	13	-35 56 30.47	0.001	13	0.26	55.276	15	35.6	30.49	21	35.6	F8	C8	8343	C -3511149
16		3.6T	48 56.599	-0.0009	05	-37 56 3.17	-0.025	03	0.22	56.642	09	04.3	1.84	09	97.7	B2	GC	22691	C# -3711037
17	10.1	9.4W	48 58.709	-0.0004	21	-33 35 5.97	-0.029	21	0.44	58.718	22	31.6	5.45	21	31.6	G5	C7	8826	C -3311512
18	10.0	10.0W	49 1.360	-0.0019	21	-30 56 59.38	-0.015	21	0.44	1.395	22	31.6	59.11	21	31.6	A0	C7	8827	C -3013545
19	9.1	9.0W	49 2.124	-0.0016	13	-37 31 27.09	-0.041	13	0.26	2.147	15	35.6	26.49	21	35.6	F0	C8	8345	C -3711040
20	8.6	8.6W	49 6.876	-0.0049	21	-31 44 14.96	-0.040	21	0.44	6.965	22	31.6	14.22	21	31.6	F0	C7	8828	C -3113303
21	7.4	7.5W	49 7.987	-0.0007	13	-38 21 12.27	-0.048	13	0.26	7.997	15	35.6	11.59	21	35.6	B8	C8	8346	C -3811271
22	10.2	9.6W	49 9.371	-0.0039	13	-36 38 45.25	0.016	13	0.26	9.427	15	35.6	45.49	21	35.6	F0	C8	8347	C -3611027
23	10.3	9.3W	49 9.658	-0.0020	21	-31 18 44.59	-0.026	21	0.44	9.695	22	31.6	44.11	21	31.6	K0	C7	8829	C -3113304
24		9.3R	49 10.988	0.0008	20	-30 5 12.33	0.015	20	0.35	10.976	16	33.9	12.57	16	33.9	F5 M	138	10586	J -2912942
25		6.8T	49 13.178	-0.0008	13	-37 30 58.22	-0.032	11	0.66	13.219	18	00.4	56.51	21	97.3	G5	GC	22696	C -3711041
26	9.6	9.5W	49 13.235	-0.0016	13	-39 13 2.63	-0.010	13	0.26	13.258	15	35.6	2.49	21	35.6	A0	C8	8349	C -3910793
27	11.0	9.9W	49 13.620	-0.0025	21	-32 25 55.80	-0.031	21	0.44	13.665	22	31.6	55.22	21	31.6	K0 L	C7	8830	C -3212100
28	9.1	8.8W	49 16.821	-0.0012	18	-38 40 38.86	-0.033	18	0.32	16.838	15	35.6	38.39	21	35.6	F2	C8	8350	C -3811275
29	11.4	10.3W	49 18.001	-0.0026	21	-30 23 5.12	-0.035	21	0.44	18.054	22	31.6	4.48	21	31.6		C7	8831	C -3013547
30	8.4	7.3W	49 27.120	-0.0040	06	-36 55 43.58	-0.090	06	0.20	27.177	15	35.6	42.29	21	35.6	K0	C8	8351	C -3611030
31	9.3	9.4W	49 31.075	-0.0034	21	-32 39 16.68	-0.030	21	0.44	31.137	22	31.6	16.14	21	31.6	A0	C7	8832	C -3212106
32	8.7	8.6W	49 32.113	-0.0039	21	-30 36 44.54	-0.007	21	0.44	32.185	22	31.6	44.41	21	31.6	F2	C7	8833	C -3013554
33	9.4	9.3W	49 49.192	-0.0040	13	-39 46 40.45	0.010	13	0.26	49.249	15	35.6	40.59	21	35.6	A0	C8	8353	C -3910806
34	9.7	9.0W	49 51.051	-0.0009	21	-33 18 1.71	-0.021	21	0.44	51.067	22	31.6	1.34	21	31.6	G5	C7	8834	C -3311523
35		7.5T	49 52.382	0.0009	14	-33 12 1.79	0.023	13	0.70	52.336	17	01.7	2.96	18	99.3	A0	GC	22716	C -3311525
36		7.4T	49 53.094	0.0004	12	-31 47 53.21	-0.021	10	0.59	53.072	17	98.6	52.09	17	96.3	B8	GC	22717	C -3113317
37	8.9	8.8W	49 54.796	-0.0032	21	-31 20 48.49	0.012	21	0.44	54.855	22	31.6	48.71	21	31.6	B5	C7	8837	C -3113318
38		7.1T	49 55.930	0.0006	15	-30 20 51.31	0.002	13	0.73	55.900	19	01.0	51.40	19	99.2	A3	GC	22718	C -3013560
39	10.4	10.1W	49 58.786	-0.0065	21	-31 57 41.28	-0.052	21	0.44	58.905	22	31.6	40.32	21	31.6	G2 L	C7	8839	C -3113319
40	10.0	9.9W	49 59.963	-0.0007	21	-32 17 41.70	-0.015	21	0.44	59.975	22	31.6	41.42	21	31.6	G0	C7	8840	C -3212116
41	9.0	9.0W	50 0.438	0.0007	18	-39 1 16.21	0.005	18	0.32	0.428	15	35.6	16.29	21	35.6	B8	C8	8354	C -3811284
42	10.2	9.3W	50 2.768	-0.0026	21	-32 16 5.01	-0.010	21	0.44	2.815	22	31.6	4.82	21	31.6	G5	C7	8841	C -3212117
43	9.7	8.7W	50 4.585	0.0012	13	-36 34 40.02	0.011	13	0.26	4.567	15	35.6	40.19	21	35.6	G5	C8	8355	C -3611040
44	9.3	9.3W	50 4.676	-0.0008	13	-38 22 1.18	-0.021	13	0.26	4.687	15	35.6	0.89	21	35.6	B9	C8	8356	C -3811285
45	9.6	9.3W	50 7.389	-0.0025	13	-35 22 36.24	-0.024	13	0.26	7.425	15	35.6	35.89	21	35.6	F2	C8	8357	C -3511158
46	9.4	9.0W	50 9.788	-0.0027	13	-37 54 24.10	-0.057	13	0.26	9.827	15	35.6	23.29	21	35.6	F2	C8	8358	C -3711053
47		9.3R	50 10.135	-0.0040	20	-30 10 36.89	-0.020	20	0.35	10.200	16	33.9	36.57	16	33.9	K2 M	138	10599	J -3013565
48	10.9	10.0W	50 13.518	-0.0026	21	-31 42 9.26	-0.018	21	0.44	13.565	22	31.6	8.92	21	31.6	K0 L	C7	8842	C -3113322
49	10.6	9.9W	50 14.628	-0.0035	21	-30 9 23.19	0.032	21	0.44	14.693	22	31.6	23.78	21	31.6	G0 L	C7	8843	C -3013568
50	9.5	9.0W	50 19.794	-0.0050	21	-32 15 47.46	0.009	21	0.44	19.885	22	31.6	47.62	21	31.6	G0	C7	8844	C -3212124
51	10.4	10.1W	16 50 23.634	-0.0015	13	-35 22 51.05	0.002	13	0.26	23.655	15	35.6	51.09	21	35.6	A0 L	C8	8360	C -3511161
52	10.8	9.9W	50 24.152	-0.0013	21	-32 12 3.00	-0.004	21	0.44	24.175	22	31.6	2.92	21	31.6	G0 L	C7	8845	C -3212126
53	7.9	8.0W	50 31.653	-0.0011	21	-30 19 32.76	-0.048	21	0.44	31.673	22	31.6	31.88	21	31.6	A5	C7	8846	C -3013576
54	10.8	9.0W	50 40.527	-0.0042	13	-36 55 59.39	-0.049	13	0.26	40.587	15	35.6	58.69	21	35.6	K2 L	C8	8361	C -3611048
55	10.2	9.0W	50 41.547	-0.0033	21	-33 24 19.50	-0.058	21	0.44	41.607	22	31.6	18.44	21	31.6	K2	C7	8847	C -3311538
56	9.7	9.7W	50 42.081	-0.0004	18	-38 20 10.54	0.003	18	0.32	42.087	15	35.6	10.59	21	35.6	B9	C8	8362	C -3811299
57	10.0	8.7W	50 45.114	-0.0051	13	-37 29 35.78	-0.075	13	0.26	45.187	15	35.6	34.69	21	35.6	G5	C8	8363	C -3711063
58	10.4	10.0W	50 45.281	-0.0117	21	-34 20 47.24	0.011	21	0.44	45.498	22	31.6	47.45	21	31.6	A3	C7	8848	C -3411316
59	9.7	9.5W	50 49.799	-0.0019	13	-35 56 28.36	-0.033	13	0.26	49.826	15	35.6	27.89	21	35.6	A0	C8	8364	C -3511163
60		8.9R	50 53.358	-0.0007	20	-30 2 30.87	0.040	20	0.35	53.370	16	33.9	31.51	16	33.9	F5 J	138	10607	J -2912975
61		8.5T	50 54.611	-0.0010	12	-30 40 18.95	-0.012	10	0.61	54.664	18	97.4	18.30	18	94.2	A2	GC	22747	C# -3013581
62	8.8	8.4W	50 58.418	-0.0062	09	-38 1 1.18	-0.062	09	0.22	58.507	15	35.6	0.29	21	35.6	F8	C8	8365	C -3711065
63	10.4	10.0W	51 2.757	-0.0041	21	-30 16 42.69	-0.022	21	0.44	2.833	22	31.6	42.28	21	31.6		C7	8850	C -3013584
64	9.3	9.2W	51 4.034	-0.0024	13	-38 34 22.81	-0.023	13	0.26	4.068	15	35.6	22.49	21	35.6	A2	C8	8366	C -3811304
65	9.0	9.0W	51 4.068	-0.0029	13	-39 34 15.25	0.030	13	0.26	4.109	15	35.6	15.69	21	35.6	B8	C8	8367	C -3910833
66	8.7	8.9W	51 8.481	0.0029	21	-33 15 30.70	-0.015	21	0.44	8.427	22	31.6	30.44	21	31.6	A2	C7	8851	C -3311545
67	7.8	8.3W	51 8.726	-0.0008	13	-38 29 2.73	-0.038	13	0.26	8.737	15	35.6	2.19	21	35.6	A0	C8	8368	C -3811307
68	8.8	8.8W	51 10.251	-0.0018	13	-38 1 29.84	-0.053	13	0.26	10.277	15	35.6	29.09	21	35.6	A2	C8	8369	C -3711067
69		6.9T	51 10.507	0.0012	13	-33 23 39.82	-0.024	09	0.61	10.446	18	00.5	38.52	18	96.0	A0	GC	22756	C -3311546
70		8.1T	51 15.268	-0.0005	11	-30 38 22.04	-0.026	13	0.68	15.295	18	95.2	20.68	18	96.6	K0	GC	22757	C -3013588
71	11.1	10.1W	51 17.915	-0.0033	21	-32 6 9.81	0.023	21	0.44	17.975	22	31.6	10.22	21	31.6		C7	8854	C -3113337
72	9.3	8.0W	51 18.292	0.0004	13	-36 8 41.97	-0.034	13	0.26	18.286	15	35.6	41.49	21	35.6	K0	C8	8370	C -3611054
73	10.7	9.4W	51 19.358	0.0003	21	-30 19 45.90	0.026	21	0.44	19.353	22	31.6	46.39	21	31.6		C7	8855	C -3013590
74			51 23.121	-0.0018	08	-36 48 28.56	-0.046	08	0.22	23.147	15	35.6	27.89	21	35.6	G0	C8	8371X	C -3611056
75	8.6	8.2W	51 23.779	-0.0014	21	-31 15 15.45	0.074	21	0.44	23.805	22	31.6	16.81	21	31.6	G0	C7	8856	C -3113341
76		6.3T	51 24.304	0.0031	06	-30 30 25.12	0.000	05	0.29	24.161	10	04.0	25.13	12	02.4	A5	GC	22765	C -3013594
77		7.6T	51 26.159	0.0033	12	-32 6 34.14	-0.027	10	0.61	25.988	18	98.8	32.69	17	96.2	F8	GC	22766	C -3113340
78		9.3R	51 33.990	-0.0032	21	-30 3 35.60	0.003	21	0.37	34.041	16	33.9	35.65	16	33.9	A0 J	138	10623	J -2912984
79		7.4T	51 34.216	-0.0012	11	-30 53 57.57	-0.046	09	0.58	34.279	18	97.5	54.99	17	93.6	K0	GC	22772	C -3013598
80	9.4	9.3W	51 35.467	-0.0022	13	-39 16 8.55	0.010	13	0.26	35.498	15	35.6	8.69	21	35.6	B8	C8	8372	C -3910847
81	10.9	9.1W	51 40.617	-0.0027	13	-36 15 21.22	-0.030	13	0.26	40.656	15	35.6	20.79	21	35.6	K5	C8	8373	C -3611062
82	6.9	7.3W	51 41.711	0.0010	18	-38 20 0.06	-0.019	18	0.32	41.697	15	35.6	59.79	21	35.6	B8	C8	8374	C -3811316
83	9.7	8.9W	51 46.303	-0.0019	21	-32 53 41.57	-0.008	21	0.44	46.337	22	31.6	41.44	21	31.6	K2	C7	8860	C -3212140
84	10.6	9.7W	51 47.401	0.0059	21	-30 23 27.63	0.003	21	0.44	47.294	22	31.6	27.68	21	31.6	K0 L	C7	8861	C -3013602
85	9.7	9.3W	51 47.451	-0.0031	13	-35 45 11.37	0.001	13	0.26	47.496	15	35.6	11.39	21	35.6	A2	C8	8375	C -3511178
86	8.8	8.1W	51 55.676	-0.0037	21	-31 8 34.73	-0.001	21	0.44	55.745	22	31.6	34.71	21	31.6	G5	C7	8862	C -3113349
87		6.9T	51 55.858	-0.0013	10	-31 19 19.87	-0.046	11	0.59	55.929	17	95.5	17.47	17	97.4	A0	GC	22784K	C -3113348
88			52 0.589	-0.0005	21	-32 33 3.43	-0.011	21	0.44	0.597	22	31.6	3.24	21	31.6	K2	C7	8864V	C# -3212146
89	9.1	8.5W	52 1.925	-0.0054	21	-31 20 50.97	-0.014	21	0.44	2.025	22	31.6	50.70	21	31.6	G0	C7	8865	C -3113351
90	8.5	8.5W	52 4.508	-0.0007	13	-39 23 10.68	0.160	13	0.26	4.518	15	35.6	12.99	21	35.6	B8	C8	8377	C# -3910862
91		7.3T	52 11.207	-0.0015	07	-39 25 33.07	-0.013	05	0.30	11.271	12	08.3	32.46	12	02.0	K5	GC	22788	C -3910870
92		7.2T	52 13.451	0.0016	12	-32 25 27.29	0.004	10	0.59	13.367	18	98.6	27.52	17	95.8	F5	GC	22789	C -3212151
93	10.7	9.3W	52 14.862	0.0035	21	-33 0 28.52	0.022	21	0.44	14.797	22	31.6	28.93	21	31.6	K5	C7	8867	C -3212152
94	10.6	9.7W	52 15.073	0.0008	21	-32 59 46.04	0.010	21	0.44	15.057	22	31.6	46.24	21	31.6	K5 L	C7	8868	C -3212153
95	8.4	8.4W	52 20.686	-0.0021	21	-31 15 6.99	0.001	21	0.44	20.725	22	31.6	7.01	21	31.6	A5	C7	8869	C -3113357
96	9.1	8.9W	52 22.172	-0.0038	13	-37 49 12.99	-0.028	13	0.26	22.227	15	35.6	12.59	21	35.6	A2	C8	8380	C -3711086
97	10.8	9.6W	52 23.762	0.0074	21	-31 59 3.20	-0.368	21	0.44	23.625	22	31.6	-56.42	21	31.6	K5	C7	8870	C -3113358
98	10.4	10.2W	52 24.749	-0.0020	21	-32 6 41.43	0.065	21	0.44	24.785	22	31.6	42.62	21	31.6	G0 L	C7	8871	C -3113359
99	9.0	9.1W	52 29.415	0.0004	21	-33 3 15.35	-0.023	21	0.44	29.407	22	31.6	14.94	21	31.6	F5	C7	8872	C -3212156
00	10.8	9.2W	52 32.993	-0.0031	13	-37 1 11.14	-0.032	13	0.26	33.037	15	35.6	10.69	21	35.6	K1 L	C8	8381	C -3611070

208200			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 16H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1		10.1W	16 52 33.354	0.0019	18	-37 8 44.66	-0.026	18	0.32	33.327	15	35.6	44.29	21	35.6	A0 L	C8	8382	C -3711088	
2	9.8	9.6W	52 36.603	-0.0016	13	-35 50 46.91	-0.016	13	0.26	36.626	15	35.6	46.69	21	35.6	A0	C8	8383	C -3511189	
3	8.2	8.4W	52 37.854	-0.0009	14	-37 26 0.79	-0.035	14	0.27	37.867	15	35.6	0.29	21	35.6	A2	C8	8384	C -3711091	
4		7.3T	52 39.369	0.0008	10	-31 23 28.23	-0.025	10	0.54	39.327	15	97.2	26.93	18	97.2	B8	GC	22799	C*-3113366	
5		6.4T	52 41.589	0.0019	11	-33 25 42.09	-0.004	08	0.53	41.491	17	99.5	41.88	15	95.2	K2	GC	22801	C -3311570	
6	8.3	7.4W	52 47.038	-0.0034	18	-37 6 31.46	-0.033	18	0.32	47.087	15	35.6	30.99	21	35.6	G5	C8	8385	C -3611071	
7	9.7	9.3W	52 47.493	-0.0010	10	-37 58 50.03	-0.017	10	0.23	47.507	15	35.6	49.79	21	35.6	F2	C8	8386	C -3711094	
8	10.4	9.8W	52 49.221	-0.0031	13	-35 22 18.15	0.010	13	0.26	49.265	15	35.6	18.29	21	35.6	A3	C8	8387	C -3511191	
9			52 56.860	-0.0007	21	-30 14 24.63	-0.041	21	0.44	56.874	22	31.6	23.88	21	31.6	MA	C7	8875V	C*-3013620	
10	10.1	10.0W	52 58.171	-0.0018	13	-37 4 45.64	-0.004	13	0.26	58.197	15	35.6	45.59	21	35.6	B9	C8	8390	C -3611074	
11	9.0	8.9W	52 58.913	0.0019	13	-35 24 15.27	0.008	13	0.26	58.885	15	35.6	15.39	21	35.6	A0	C8	8391	C -3511196	
12	10.0	9.2W	53 0.199	-0.0004	21	-34 1 19.36	0.042	21	0.44	0.208	22	31.6	20.15	21	31.6	K0	C7	8876	C -3711578	
13	7.9	8.0W	53 0.799	-0.0014	21	-31 26 25.40	-0.021	21	0.44	0.825	22	31.6	25.01	21	31.6	A3	C7	8877	C -3113372	
14		7.4T	53 4.305	-0.0037	11	-31 13 43.57	-0.051	09	0.59	4.501	18	96.9	40.67	18	92.7	K0	GC	22812K	C -3113373	
15	9.9	9.0W	53 7.041	-0.0013	21	-31 18 11.23	-0.023	21	0.44	7.065	22	31.6	10.81	21	31.6	K0	C7	8879	C -3113376	
16	9.8	9.5W	53 14.894	-0.0023	18	-38 29 22.76	-0.012	18	0.32	14.927	15	35.6	22.59	21	35.6	F8	C8	8393	C -3811337	
17	9.6	8.4W	53 16.537	0.0027	06	-39 3 26.45	-0.116	06	0.20	16.498	15	35.6	24.79	21	35.6	K0	C8	8394	C -3811340	
18	10.5	9.5W	53 18.682	0.0024	21	-32 41 7.10	-0.058	21	0.44	18.637	22	31.6	6.04	21	31.6	K2	C7	8880	C -3212169	
19	10.3	9.9W	53 20.641	-0.0079	21	-34 0 33.96	0.042	21	0.44	20.787	22	31.6	34.75	21	31.6	F5	C7	8881	C -3311584	
20	9.3	9.3W	53 24.840	-0.0024	21	-30 53 48.85	-0.002	21	0.44	24.885	22	31.6	48.81	21	31.6	A5	C7	8882	C -3013625	
21		5.5I	53 26.307	0.0007	18	-30 30 8.28	-0.023	22	0.97	26.274	19	02.7	7.25	21	04.1	M6E	GC	22820V	C*-3013626	
22	9.0	8.8W	53 28.155	0.0026	13	-36 58 39.88	-0.014	13	0.26	28.117	15	35.6	39.69	21	35.6	A2	C8	8395	C -3611083	
23	9.5	9.5W	53 28.863	-0.0007	21	-31 38 28.93	-0.000	21	0.44	28.875	22	31.6	28.92	21	31.6	A2	C7	8884	C -3113383	
24	8.6	8.6W	53 29.447	0.0063	21	-33 4 29.86	0.020	21	0.44	29.347	22	31.6	30.24	21	31.6	A2	C7	8885	C -3212173	
25	8.0	7.8W	53 35.061	0.0010	06	-38 21 20.27	-0.027	06	0.20	35.047	15	35.6	19.89	21	35.6	F2	C8	8396	C -3811347	
26	8.7	8.4W	53 38.922	-0.0005	13	-39 53 50.17	-0.013	13	0.26	38.929	15	35.6	49.99	21	35.6	F0	C8	8397	C -3910908	
27	8.4	8.6W	53 41.391	-0.0019	21	-31 54 43.76	0.009	21	0.44	41.425	22	31.6	43.92	21	31.6	B8	C7	8886	C -3113392	
28		7.4T	53 43.517	-0.0001	12	-32 15 35.15	-0.062	10	0.61	43.521	17	97.0	31.76	17	95.1	A2	GC	22822	C -3212178	
29	9.4	9.4W	53 47.342	-0.0024	18	-38 5 53.54	0.024	18	0.32	47.377	15	35.6	53.89	21	35.6	B8	C8	8398	C -3711110	
30	9.4	9.7W	53 48.105	-0.0006	21	-32 24 12.03	-0.038	21	0.44	48.115	22	31.6	11.32	21	31.6	A0	C7	8888	C -3212180	
31	9.3	9.4W	53 54.574	-0.0033	21	-31 8 26.22	0.010	21	0.44	54.635	22	31.6	26.40	21	31.6	A3	C7	8889	C -3113394	
32		5.5T	53 55.283	-0.0006	07	-33 10 55.16	-0.006	06	0.30	55.306	12	08.1	54.90	12	06.1	K5	GC	22830	C*-3311590	
33	10.1	9.9W	53 57.285	-0.0026	21	-30 16 38.32	0.003	21	0.44	57.333	22	31.6	38.38	21	31.6		C7	8891	C -3013634	
34	10.8	9.3W	54 11.083	0.0004	13	-36 45 44.10	-0.036	13	0.26	11.077	15	35.6	43.59	21	35.6	K5	C8	8401	C -3611092	
35	8.8	9.1W	54 11.468	-0.0031	21	-31 34 23.13	0.038	21	0.44	11.525	22	31.6	23.82	21	31.6	A0	C7	8892	C -3113399	
36	9.2	8.2W	54 19.904	0.0005	13	-37 41 10.51	-0.099	13	0.26	19.897	15	35.6	9.09	21	35.6	F8	C8	8402	C -3711115	
37		6.6T	54 24.245	-0.0012	17	-39 2 21.02	0.005	12	0.77	24.304	22	02.3	21.31	21	97.4	M0	GC	22840	C -3811363	
38	7.2	7.6W	54 28.533	-0.0010	18	-37 55 12.01	-0.002	18	0.32	28.547	15	35.6	11.99	21	35.6	B5	C8	8404	C*-3711118	
39	10.5		54 35.591	-0.0036	21	-34 15 18.98	-0.002	21	0.44	35.658	22	31.6	18.94	21	31.6	A0 L	C7	8893	C -3411362	
40	8.8	9.0W	54 36.001	-0.0025	21	-34 19 46.04	-0.027	21	0.44	36.047	22	31.6	45.54	21	31.6	B8	C7	8894	C -3411363	
41	8.5	8.4W	54 36.111	-0.0052	13	-35 39 43.24	-0.011	13	0.26	36.186	15	35.6	43.09	21	35.6	A2	C8	8405	C -3511211	
42	10.2	10.1W	54 46.654	-0.0037	18	-36 34 35.24	-0.018	18	0.32	46.707	15	35.6	34.99	21	35.6	A0	C8	8406	C -3611102	
43	9.8	8.7W	54 52.064	-0.0028	21	-31 59 28.84	0.005	21	0.44	52.115	22	31.6	28.92	21	31.6	K0	C7	8895	C -3113412	
44	8.5	8.3W	54 55.726	-0.0009	21	-30 8 22.74	-0.003	21	0.44	55.743	22	31.6	22.68	21	31.6	F5	C7	8896	C -3013648	
45	10.6	8.8W	55 0.340	-0.0039	13	-35 36 45.55	-0.012	13	0.26	0.396	15	35.6	45.39	21	35.6	K5	C8	8407	C -3511214	
46	6.7I		55 3.271	-0.0001	26	-33 31 59.70	-0.024	22	1.11	3.277	19	04.6	58.61	19	04.8	F5V	GC	22857DV	C*-3311607	
47	9.2	9.3W	55 3.641	-0.0018	13	-37 19 40.37	-0.041	13	0.26	3.667	15	35.6	39.79	21	35.6	A0	C8	8408	C -3711126	
48		9.1T	55 5.281	-0.0001	18	-32 58 15.92	-0.024	13	0.78	5.283	21	04.0	14.73	19	00.4	F2	GC	22858	C -3212206	
49	9.0	8.9W	55 6.143	0.0003	21	-34 30 49.19	-0.002	21	0.44	6.138	22	31.6	49.16	21	31.6	A0	C7	8899	C -3411369	
50	9.7	9.5W	55 6.682	-0.0033	21	-30 21 19.46	0.039	21	0.44	6.743	22	31.6	20.19	21	31.6	A2	C7	8900	C -3013652	
51	10.1	10.0W	16 55 7.044	-0.0050	13	-36 6 53.67	-0.117	13	0.26	7.116	15	35.6	51.99	21	35.6	A0	C8	8409	C -3511216	
52	8.8	9.1W	55 13.875	-0.0045	21	-32 52 47.72	-0.043	21	0.44	13.957	22	31.6	46.94	21	31.6	B9	C7	8901	C -3212209	
53	9.7	9.3W	55 17.104	-0.0039	21	-32 17 20.43	-0.000	21	0.44	17.175	22	31.6	20.42	21	31.6	F8	C7	8902	C -3212211	
54	10.1	9.6W	55 18.421	-0.0038	13	-36 26 46.84	0.010	13	0.26	18.476	15	35.6	46.99	21	35.6	F8	C8	8410	C -3611107	
55	8.6	7.8W	55 23.168	0.0029	21	-30 46 6.96	0.057	21	0.44	23.115	22	31.6	8.01	21	31.6	G5	C7	8903	C -3013665	
56	9.4	9.2W	55 23.923	-0.0024	21	-33 43 48.89	-0.008	21	0.44	23.968	22	31.6	48.75	21	31.6	F5	C7	8904	C -3311611	
57	8.7	8.6W	55 24.763	-0.0011	21	-30 2 38.77	-0.021	21	0.44	24.783	22	31.6	38.38	21	31.6	F2	C7	8905	C -2913060	
58	9.3	8.2W	55 26.038	-0.0236	08	-39 29 10.29	0.187	08	0.22	25.698	15	35.6	12.99	21	35.6	K5	C8	8411	C*-3910940	
59		6.2T	55 29.000	0.0020	12	-37 32 41.37	-0.062	09	0.55	28.904	18	01.2	38.05	17	96.8	A3	GC	22867	C -3711131	
60	8.3	7.4W	55 29.024	0.0011	18	-39 5 35.22	0.004	18	0.32	29.008	15	35.6	35.29	21	35.6	K0	C8	8414	C -3811392	
61		9.0R	55 36.371	0.0036	20	-30 5 47.99	-0.007	20	0.35	36.312	16	33.9	47.88	16	33.9	G0 M	13B	10677	J -2913064	
62	7.4	7.7W	55 42.044	-0.0009	08	-38 29 27.44	-0.011	08	0.22	42.057	15	35.6	27.29	21	35.6	B5	C8	8415	C -3811396	
63	9.3	9.1W	55 44.577	-0.0015	10	-38 58 34.08	-0.062	10	0.23	44.598	15	35.6	33.19	21	35.6	F5	C8	8416	C -3811397	
64	9.2	9.5W	55 44.940	-0.0035	21	-30 48 41.70	0.049	21	0.44	45.005	22	31.6	42.60	21	31.6	B9	C7	8906	C -3013671	
65	8.0	7.7W	55 46.029	0.0006	21	-33 27 6.60	0.007	21	0.44	46.017	22	31.6	6.74	21	31.6	A5	C7	8907	C -3311617	
66		9.3R	55 48.530	0.0006	21	-30 23 50.36	-0.038	21	0.37	48.521	16	33.9	49.75	16	33.9	K0 M	13B	10681	J -3013673	
67	11.3	10.3W	55 50.464	-0.0040	21	-34 44 3.80	-0.084	21	0.44	50.538	22	31.6	2.25	21	31.6		C7	8908	C -3411380	
68	10.3	8.9W	55 50.671	-0.0004	13	-37 29 50.01	-0.016	13	0.26	50.677	15	35.6	49.79	21	35.6	K2	C8	8417	C -3711135	
69	8.7	8.9W	55 52.404	-0.0002	21	-33 21 2.23	0.038	21	0.44	52.407	22	31.6	2.94	21	31.6	A0	C7	8909	C -3311621	
70	10.0	9.2W	55 53.681	-0.0019	13	-39 9 38.91	-0.016	13	0.26	53.708	15	35.6	38.69	21	35.6	K0	C8	8418	C -3910951	
71	9.0	9.2W	55 59.864	0.0015	21	-33 33 43.15	0.010	21	0.44	59.837	22	31.6	43.34	21	31.6	B9	C7	8910	C -3311625	
72	8.5	8.8W	56 3.827	-0.0004	21	-31 7 1.26	0.019	21	0.44	3.835	22	31.6	1.60	21	31.6	A0	C7	8911	C -3013675	
73	10.1	10.2W	56 3.958	-0.0032	21	-34 5 16.72	0.034	21	0.44	4.018	22	31.6	17.35	21	31.6	A2	C7	8912	C -3311626	
74	10.4	10.1W	56 4.603	-0.0046	21	-34 41 23.92	0.002	21	0.44	4.689	22	31.6	23.96	21	31.6		C7	8913	C -3411381	
75	8.6	8.8W	56 6.729	-0.0021	21	-32 50 33.02	-0.021	21	0.44	6.767	22	31.6	32.64	21	31.6	B8	C7	8914	C -3212224	
76	9.6	9.8W	56 13.854	-0.0088	21	-31 48 3.06	-0.040	21	0.44	14.015	22	31.6	2.32	21	31.6	A0	C7	8915	C -3113440	
77	9.6	9.9W	56 15.960	-0.0037	21	-34 44 55.77	-0.012	21	0.44	16.029	22	31.6	55.55	21	31.6	B9	C7	8916	C -3411385	
78	9.3	9.0W	56 19.493	-0.0010	13	-37 21 47.43	-0.045	13	0.26	19.507	15	35.6	46.79	21	35.6	F5	C8	8422	C -3711144	
79	10.7	9.3W	56 28.290	-0.0019	21	-30 51 22.94	0.009	21	0.44	28.325	22	31.6	23.11	21	31.6		C7	8917	C -3013679	
80	10.4	10.1W	56 35.359	0.0001	23	-36 34 22.91	-0.023	23	0.38	35.357	15	35.6	22.59	21	35.6	A8 L	C8	8424	C -3611120	
81	7.8	8.3W	56 37.520	-0.0014	21	-31 38 7.38	-0.008	21	0.44	37.545	22	31.6	7.22	21	31.6	B8	C7	8918	C -3113442	
82	11.2	10.5W	56 41.664	-0.0013	21	-33 17 41.77	0.025	21	0.44	41.687	22	31.6	42.24	21	31.6		C7	8919	C -3311633	
83	9.0	8.7W	56 46.572	-0.0062	21	-31 31 7.83	0.005	21	0.44	46.685	22	31.6	7.92	21	31.6	G0	C7	8920	C -3113444	
84	9.8	9.7W	56 46.767	-0.0026	21	-31 28 32.35	0.052	21	0.44	46.815	22	31.6	33.31	21	31.6	F5	C7	8921	C -3113445	
85	9.8	9.5W	56 49.339	-0.0041	21	-31 25 38.64	0.069	21	0.44	49.415	22	31.6	39.91	21	31.6	G0	C7	8922	C -3113446	
86	9.2	9.3W	56 49.903	-0.0018	21	-32 7 11.46	0.009	21	0.44	49.935	22	31.6	11.62	21	31.6	A0	C7	8923	C -3212238	
87		7.7T	57 1.819	-0.0043	12	-37 51 47.59	-0.007	10	0.57	2.024	17	02.6	47.21	18	99.0	G0	GC	22903	C -3711152	
88	8.9	9.1W	57 2.140	0.0015	21	-30 24 10.14	0.024	21	0.44	2.113	22	31.6	10.58	21	31.6	B8	C7	8924	C -3013685	
89	9.6	9.8W	57 7.533	-0.0017	13	-37 36 30.98	0.007	13	0.26	7.557	15	35.6	31.09	21	35.6	B5	C8	8427	C -3711153	
90	8.3	8.5W	57 11.913	-0.0027	21	-30 9 57.92	-0.024	21	0.44	11.963	22	31.6	57.48	21	31.6	F0	C7	8925	C -3013687	
91	8.7	8.5W	57 15.277	-0.0006	21	-33 1 47.13	-0.011	21	0.44	15.287	22	31.6	46.94	21	31.6	F8	C7	8926	C -3212249	
92	9.1	9.0W	57 16.279	0.0009	13	-35 40 55.20	-0.007	13	0.26	16.266	15	35.6	55.09	21	35.6	B8	C8	8428	C -3511237	
93		6.0T	57 16.500	-0.0011	14	-35 51 35.85	-0.071	12	0.68	16.554	18	01.0	32.22	18	98.6	K0	GC	22911	C -3511236	
94	10.0	9.5W	57 17.579	-0.0019	13	-36 2 35.23	-0.031	13	0.26	17.606	15	35.6	34.79	21	35.6	F8	C8	8430	C -3511238	
95	10.5	9.6W	57 25.397	-0.0049	08	-36 59 2.42	-0.086	08	0.22	25.467	15	35.6	1.19	21	35.6	K0	C8	8431	C -3611134	
96	9.0	8.7W	57 34.111	-0.0028	21	-30 26 26.88	-0.125	21	0.44	34.163	22	31.6	24.58	21	31.6	F8	C7	8927	C -3013694	
97	9.7	9.8W	57 38.052	-0.0032	18	-38 43 50.71	-0.016	18	0.32	38.098	15	35.6	50.49	21	35.6	B8	C8	8432	C -3811424	
98	10.4	9.4W	57 40.672	0.0068	21	-33 45 2.35	-0.082	21	0.44	40.548	22	31.6	0.85	21	31.6	K2	C7	8928	C -3311645	
99	9.8	8.6W	57 40.732	-0.0041	21	-32 56 52.78	0.030	21	0.44	40.807	22	31.6	53.34	21	31.6	K0	C7	8929	C -3212259	
00	9.1	8.8W	57 42.157	0.0006	21	-31 42 14.16	-0.094	21	0.44	42.145	22	31.6	12.42	21	31.6	G0	C7	8930	C -3113455	

208300 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.3	9.4W	16 57 42.410	-0.0019	21	-30 34 28.52	-0.006	21	0.44	42.445	22	31.6	28.41	21	31.6	A2	C7	8931	C -3013699
2	9.4	9.2W	57 47.981	-0.0020	21	-32 42 55.07	-0.013	21	0.44	48.017	22	31.6	54.84	21	31.6	F8	C7	8932	C -3212261
3	10.4	8.8W	57 48.220	-0.0009	21	-33 48 13.80	-0.014	21	0.44	48.220	22	31.6	13.55	21	31.6	K5	C7	8933	C -3311646
4	7.3	7.5W	57 48.486	-0.0008	10	-38 7 51.10	-0.029	10	0.23	48.497	15	35.6	50.69	21	35.6	B2	C8	8433	C -3811431
5	9.8	9.8W	57 49.483	-0.0084	13	-39 46 27.90	-0.050	13	0.26	49.969	15	35.6	27.19	21	35.6	A0	C8	8434	C -3910993
6	10.3	9.0W	57 51.950	-0.0019	13	-36 38 11.56	-0.082	13	0.26	51.977	15	35.6	10.39	21	35.6	K0	C8	8435	C -3611139
7	9.5	9.5W	57 55.096	-0.0010	21	-31 22 47.47	0.029	21	0.44	55.115	22	31.6	48.00	21	31.6	A3	C7	8934	C -3113459
8	7.5	7.9W	57 57.216	-0.0008	18	-38 14 37.66	-0.040	18	0.32	57.227	15	35.6	37.09	21	35.6	A0	C8	8436	C -3811434
9	9.2	9.0W	58 2.133	-0.0003	13	-36 46 34.51	-0.009	13	0.26	2.137	15	35.6	34.39	21	35.6	B5	C8	8437	C -3611146
10	9.3	9.4W	58 6.664	-0.0002	13	-37 55 27.30	0.006	13	0.26	6.667	15	35.6	27.39	21	35.6	B5	C8	8438	C -3711167
11	9.7	9.8W	58 11.032	0.0008	21	-32 49 36.19	-0.020	21	0.44	11.017	22	31.6	35.83	21	31.6	A2	C7	8935	C -3212285
12	8.3	7.4W	58 11.065	-0.0022	09	-38 2 52.79	-0.056	09	0.22	11.097	15	35.6	51.99	21	35.6	K0	C8	8441	C -3711168
13	10.0	9.5W	58 14.269	-0.0006	13	-36 35 45.74	-0.004	13	0.26	14.277	15	35.6	45.69	21	35.6	F8 L	C8	8442	C -3611150
14	8.5	8.8W	58 20.760	-0.0008	21	-30 40 19.85	0.041	21	0.44	20.795	22	31.6	20.60	21	31.6	A0	C7	8936	C -3013709
15	7.6	7.9W	58 22.049	0.0044	21	-32 34 29.59	-0.020	21	0.44	21.967	22	31.6	29.23	21	31.6	F0	C7	8937	C -3212267
16	10.9	9.5W	58 23.671	0.0014	21	-32 12 44.48	-0.068	21	0.44	23.645	22	31.6	43.22	21	31.6		C7	8938	C -3212268
17		7.2T	58 27.281	0.0020	13	-33 17 41.91	-0.015	12	0.67	27.178	17	99.7	41.12	17	96.8	A2	GC	22939K	C -3311657
18	9.1	8.1W	58 28.908	-0.0015	21	-32 21 49.90	-0.031	21	0.44	28.935	22	31.6	49.32	21	31.6	G5	C7	8940	C -3212269
19	7.5	7.8W	58 32.391	-0.0011	18	-37 13 46.26	-0.012	18	0.32	32.407	15	35.6	46.09	21	35.6	B8	C8	8443	C -3711175
20	10.2	9.1W	58 33.836	0.0005	13	-39 24 7.45	0.002	13	0.26	33.828	15	35.6	7.49	21	35.6	K0	C8	8444	C -3911015
21	8.1	8.1W	58 34.929	-0.0015	21	-33 49 49.46	-0.050	21	0.44	34.957	22	31.6	48.55	21	31.6	F0	C7	8941	C -3311659
22		7.5T	58 36.745	-0.0023	20	-30 42 25.09	-0.008	15	0.86	36.852	22	03.6	24.71	21	00.3	A2	GC	22941	C -3013711
23	9.6	9.5W	58 37.628	-0.0057	21	-30 13 32.86	0.197	21	0.44	37.734	22	31.6	36.49	21	31.6	G0	C7	8943	C -3013712
24		5.1T	58 38.393	-0.0003	04	-32 4 15.86	-0.050	04	0.20	38.404	06	06.5	13.67	06	05.9	B8	GC	22942	C -3113473
25	10.6		58 41.907	-0.0020	30	-35 42 26.52	-0.051	30	0.47	41.936	15	35.6	25.79	21	35.6	A0 L	C8	8445	C -3511253
26	11.0	10.3W	58 46.205	-0.0036	21	-31 4 38.81	0.065	21	0.44	46.275	22	31.6	40.00	21	31.6		C7	8945	C -3013714
27	9.8	9.3W	58 55.296	-0.0047	21	-30 10 47.86	0.012	21	0.44	55.383	22	31.6	48.08	21	31.6	A0	C7	8946	C -3013717
28	9.2	8.3W	58 56.265	-0.0027	21	-30 34 49.59	0.001	21	0.44	56.315	22	31.6	49.60	21	31.6	K0	C7	8947	C -3013716
29	10.6		59 2.873	0.0004	30	-36 45 18.11	-0.009	30	0.47	2.867	15	35.6	17.99	21	35.6	A0 L	C8	8448	C -3611162
30	9.1	9.2W	59 4.164	-0.0044	21	-30 57 43.42	-0.001	21	0.44	4.245	22	31.6	43.40	21	31.6	A0	C7	8948	C -3013720
31	9.4	8.3W	59 7.121	0.0002	21	-33 26 40.34	0.010	21	0.44	7.117	22	31.6	40.54	21	31.6	K0	C7	8949	C -3311667
32	9.5	9.4W	59 8.309	-0.0014	13	-39 52 46.26	-0.033	13	0.26	8.329	15	35.6	45.79	21	35.6	A2	C8	8449	C -3911037
33		7.3T	59 13.074	-0.0002	09	-32 11 16.43	-0.053	07	0.45	13.083	15	97.3	13.44	14	93.4	A2	GC	22959	C -3212276
34	10.3	10.0W	59 13.616	-0.0038	21	-32 0 19.00	-0.129	21	0.44	13.685	22	31.6	16.62	21	31.6	G0 L	C7	8951	C -3113486
35	9.9	10.0W	59 14.563	-0.0001	21	-30 32 52.25	0.079	21	0.44	14.565	22	31.6	53.71	21	31.6	A0	C7	8952	C -3013726
36	10.9	9.4W	59 20.356	0.0006	21	-31 20 42.29	0.039	21	0.44	20.345	22	31.6	43.00	21	31.6		C7	8953	C -3113488
37	7.3	7.5W	59 28.739	0.0008	18	-38 23 22.69	0.013	18	0.32	28.727	15	35.6	23.09	21	35.6	B9	C8	8451	C -3811462
38	7.7	8.0W	59 32.247	0.0000	13	-36 47 26.52	0.018	13	0.26	32.247	15	35.6	26.79	21	35.6	B5	C8	8452	C -3611168
39	9.4	9.5W	59 32.361	-0.0028	21	-30 20 50.18	-0.011	21	0.44	32.413	22	31.6	49.98	21	31.6	A2	C7	8954	C -3013729
40		7.4T	59 36.613	-0.0018	13	-37 38 56.21	-0.015	10	0.61	36.701	21	01.9	55.39	18	97.1	A0	GC	22972	C+-3711188
41	8.0	8.4W	59 37.309	-0.0041	21	-30 59 19.34	0.031	21	0.44	37.385	22	31.6	19.91	21	31.6	B9	C7	8955	C -3013730
42	9.8	8.8W	59 38.896	-0.0008	10	-37 20 8.83	-0.024	10	0.23	38.907	15	35.6	8.49	21	35.6	G5	C8	8454	C -3711189
43	9.6	9.3W	59 39.328	-0.0006	13	-35 43 25.60	0.006	13	0.26	39.336	15	35.6	25.69	21	35.6	B2	C8	8455	C -3511268
44	9.0	8.6W	59 44.585	-0.0022	13	-38 26 28.55	-0.060	13	0.26	44.617	15	35.6	27.69	21	35.6	G0	C8	8456	C+-3811469
45	10.8	9.3W	59 46.641	-0.0003	21	-33 46 11.44	0.049	21	0.44	46.648	22	31.6	12.35	21	31.6		C7	8956	C -3311674
46	7.8	8.2W	59 56.160	-0.0015	21	-32 47 36.90	-0.031	21	0.44	56.187	22	31.6	36.34	21	31.6	B8	C7	8957	C -3212285
47		6.9T	17 0 4.437	0.0004	12	-31 32 40.28	-0.008	09	0.61	4.415	17	98.1	39.85	17	95.1	B2	GC	22979	C -3113502
48	10.8	9.1W	0 5.599	0.0001	06	-37 5 37.31	-0.002	06	0.20	5.597	15	35.6	37.29	21	35.6	K2 L	C8	8460	C -3611177
49	9.4	9.8W	0 6.727	-0.0055	21	-34 43 30.06	-0.044	21	0.44	6.829	22	31.6	29.25	21	31.6	B8	C7	8959	C -3411425
50	8.9	9.1W	0 8.247	-0.0015	21	-30 34 17.72	-0.006	21	0.44	8.275	22	31.6	17.61	21	31.6	B9	C7	8960	C -3013736
51	8.2	8.6W	17 0 15.566	0.0006	05	-37 5 29.68	-0.021	05	0.20	15.557	15	35.6	29.39	21	35.6	B3	C8	8461	C -3611181
52	10.0	8.8W	0 17.505	-0.0029	21	-34 30 14.23	0.023	21	0.44	17.559	22	31.6	14.66	21	31.6	K5	C7	8961	C -3411430
53	8.8	9.0W	0 17.765	-0.0026	21	-30 4 2.49	-0.004	21	0.44	17.814	22	31.6	2.38	21	31.6	B9	C7	8962	C -2913153
54	9.1	8.8W	0 18.209	-0.0017	21	-32 32 38.12	-0.043	21	0.44	18.177	22	31.6	37.33	21	31.6	G0	C7	8963	C -3212293
55		6.0T	0 25.944	0.0060	17	-38 4 56.55	-0.025	13	0.76	25.668	22	03.7	55.27	21	99.6	F0	GC	22991	C -3711201
56		6.7T	0 32.697	-0.0000	10	-37 46 28.76	0.011	08	0.57	32.699	19	94.5	29.41	18	88.8	C0	GC	22996	C -3711206
57	10.0	8.9W	0 34.083	-0.0051	30	-38 4 22.11	-0.009	30	0.47	34.157	15	35.6	21.99	21	35.6	A0 L	C8	8465	C -3711203
58	9.4	7.9W	0 35.310	0.0024	13	-35 12 14.25	0.037	13	0.26	35.275	15	35.6	14.79	21	35.6	K0	C8	8466	C -3511278
59	9.7	8.0W	0 38.913	0.0003	18	-39 0 8.17	-0.034	18	0.32	38.908	15	35.6	7.69	21	35.6	MA	C8	8468	C -3811490
60	9.6	9.6W	0 44.130	-0.0047	13	-36 33 3.41	-0.016	13	0.26	44.197	15	35.6	3.19	21	35.6	B9	C8	8470	C -3611187
61	8.7	8.9W	0 45.480	0.0002	13	-37 41 54.26	-0.046	13	0.26	45.477	15	35.6	53.59	21	35.6	B8	C8	8471	C -3711215
62	9.2	9.1W	0 45.971	-0.0018	30	-38 5 22.67	-0.013	30	0.47	45.997	15	35.6	22.49	21	35.6	A0 L	C8	8472	C -3711214
63		8.4R	0 46.914	-0.0014	20	-30 0 48.92	-0.001	20	0.35	46.937	16	34.0	48.90	16	34.0	B8 J	13B	10756	J -2913162
64	9.3	9.3W	0 51.220	-0.0012	13	-37 58 57.50	-0.015	13	0.26	51.237	15	35.6	57.29	21	35.6	A2	C8	8474	C -3711216
65	9.2	8.8W	0 51.863	0.0018	13	-36 34 24.01	0.005	13	0.26	51.837	15	35.6	24.09	21	35.6	F5	C8	8475	C -3611188
66	10.1	9.1W	0 52.548	-0.0042	21	-30 42 48.38	-0.015	21	0.44	52.625	22	31.6	48.11	21	31.6	K2	C7	8964	C -3013751
67	9.9	9.7W	0 57.621	-0.0013	21	-30 35 18.00	-0.119	21	0.44	57.645	22	31.6	15.81	21	31.6	G5	C7	8965	C -3013753
68	10.5	9.1W	1 3.342	0.0011	13	-36 26 57.94	-0.011	13	0.26	3.326	15	35.6	57.79	21	35.6	G8 L	C8	8476	C -3611193
69	8.5	8.5W	1 7.427	0.0001	21	-32 14 52.78	-0.052	21	0.44	7.425	22	31.6	51.82	21	31.6	F2	C7	8966	C -3212305
70	10.5	10.0W	1 21.344	-0.0044	30	-38 3 57.40	-0.022	30	0.47	21.407	15	35.6	57.09	21	35.6		C8	8478	C -3711232
71	8.7	8.8W	1 23.910	0.0002	10	-38 1 0.81	-0.009	10	0.23	23.907	15	35.6	0.69	21	35.6		C8	8480	C -3711236
72	8.2	8.4W	1 24.108	-0.0027	13	-38 2 19.90	-0.022	13	0.26	24.147	15	35.6	19.59	21	35.6		C8	8481	C -3711241
73	9.0	8.8W	1 25.184	-0.0008	13	-35 14 59.69	-0.035	13	0.26	25.195	15	35.6	59.19	21	35.6	F5	C8	8484	C -3511284
74	9.2	9.1W	1 26.719	-0.0029	21	-30 7 47.10	-0.034	21	0.44	26.774	22	31.6	46.48	21	31.6	A3	C7	8967	C -3013762
75	9.1	9.3W	1 30.864	0.0027	21	-31 6 11.56	0.073	21	0.44	30.815	22	31.6	12.91	21	31.6	A0	C7	8968	C -3013763
76	8.7	8.4W	1 31.305	0.0004	09	-39 58 34.24	-0.046	09	0.22	31.299	15	35.6	33.59	21	35.6	A5	C8	8485	C -3911090
77		4.9T	1 31.739	0.0007	04	-34 3 16.40	-0.003	04	0.22	31.709	09	03.4	16.24	09	98.2	B1P	GC	23019K	C+-3311706
78	8.7	8.9W	1 32.938	-0.0014	18	-38 33 0.36	-0.026	18	0.32	32.958	15	35.6	59.99	21	35.6	B9	C8	8486	C -3811521
79		7.3T	1 33.037	-0.0009	12	-31 17 40.93	-0.015	09	0.59	33.083	17	98.3	40.10	18	93.7	G0	GC	23020	C+-3113531
80	9.5	9.1W	1 39.003	0.0026	13	-35 53 25.36	-0.019	13	0.26	38.966	15	35.6	25.09	21	35.6	F5	C8	8487	C -3511286
81	8.9	8.4W	1 43.133	-0.0017	21	-31 18 15.99	-0.059	21	0.44	43.165	22	31.6	14.90	21	31.6	G5	C7	8971	C -3113533
82	9.0	8.7W	1 50.075	-0.0022	08	-38 4 47.71	-0.036	08	0.22	50.107	15	35.6	47.19	21	35.6	F8	C8	8488	C -3711250
83	9.1	9.2W	1 56.226	-0.0016	21	-32 8 45.95	-0.023	21	0.44	56.255	22	31.6	45.52	21	31.6	A0	C7	8972	C -3212318
84	8.8	9.0W	1 59.058	0.0002	21	-31 22 7.48	-0.009	21	0.44	59.055	22	31.6	7.31	21	31.6	A0	C7	8973	C -3113537
85	8.4	7.6W	2 3.712	0.0014	21	-33 41 54.73	0.044	21	0.44	3.687	22	31.6	55.55	21	31.6	G0	C7	8974	C -3311713
86	8.4	7.8W	2 4.906	0.0141	21	-33 33 42 2.22	-0.135	21	0.44	4.647	22	31.6	-59.75	21	31.6	G0	C7	8975	C -3311713
87	8.8	8.8W	2 7.266	-0.0005	21	-35 0 42.13	0.008	21	0.44	7.276	22	31.6	42.28	21	31.6	B8	C7	8976	C -3411454
88	8.8	8.6W	2 16.139	0.0002	13	-35 51 43.96	-0.046	13	0.26	16.156	15	35.6	43.29	21	35.6	B5	C8	8489	C -3511293
89	9.4	8.3W	2 16.984	-0.0002	21	-32 54 0.31	0.001	21	0.44	16.987	22	31.6	0.34	21	31.6	K0	C7	8977	C -3212322
90		7.7T	2 20.857	0.0012	15	-36 40 22.86	-0.005	11	0.70	20.800	18	00.9	22.57	19	96.3	B5	GC	23041	C+-3611217
91	9.1	8.8W	2 24.000	-0.0004	09	-36 28 46.03	-0.024	09	0.22	24.006	15	35.6	45.69	21	35.6	G0	C8	8491	C -3611218
92	9.0	9.2W	2 30.873	-0.0019	21	-34 54 10.72	0.018	21	0.44	30.909	22	31.6	11.06	21	31.6	B8	C7	8978	C -3411461
93		8.0T	2 30.895	-0.0016	16	-36 31 15.09	0.005	11	0.71	30.973	19	02.1	15.33	19	97.6	B5	GC	23047	C+-3611221
94	9.7	8.9W	2 31.240	0.0002	13	-38 25 31.32	-0.030	13	0.26	31.237	15	35.6	30.89	21	35.6	G5	C8	8493	C -3811533
95	10.3	10.1W	2 33.221	-0.0002	21	-30 44 57.57	0.024	21	0.44	33.225	22	31.6	58.01	21	31.6		C7	8979	C -3013777
96	9.5	9.7W	2 34.275	-0.0007	21	-34 49 34.05	-0.005	21	0.44	34.288	22	31.6	33.96	21	31.6	A0	C7	8980	C -3411462
97	10.0	9.7W	2 34.289	-0.0005	13	-35 54 27.27	-0.006	13	0.26	34.296	15	35.6	27.19	21	35.6	B8 L	C8	8494	C -3511299
98	9.6	9.4W	2 35.421	-0.0008	21	-32 28 12.61	0.023	21	0.44	35.435	22	31.6	13.02	21	31.6	F5	C7	8981	C -3212329
99	7.9	7.8W	2 46.379	-0.0020	13	-38 33 27.17	-0.103	13	0.26	46.408	15	35.6	25.69	21	35.6	F2	C8	8497	C -3811541
00	8.5	8.3W	2 48.335	-0.0006	21	-31 53 9.53	-0.049	21	0.44	48.345	22	31.6	8.62	21	31.6	G0	C7	8982	C -3113557

208400			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-30° 17H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1	8.5	8.7W	17 2 54.321	-0.0020	21	-32 59 19.30	-0.020	21	0.44	54.357	22	31.6	18.94	21	31.6	AO	C7	8983	C -3212335		
2	10.8	10.0W	2 55.686	-0.0022	18	-37 3 23.47	-0.117	18	0.32	55.717	15	35.6	21.79	21	35.6		C8	8498	C -3611227		
3	9.8	10.0W	2 55.817	-0.0004	21	-31 24 20.08	0.056	21	0.44	55.825	22	31.6	21.11	21	31.6	AO	C7	8984	C -3113561		
4			2 56.050	-0.0004	13	-35 53 58.14	-0.004	13	0.26	56.056	15	35.6	58.09	21	35.6	B8 L	C8	8499X	C -3511304		
5	9.0	9.1W	2 56.650	0.0012	21	-34 37 39.55	-0.011	21	0.44	56.629	22	31.6	39.35	21	31.6	AO	C7	8985	C -3411469		
6		6.1T	2 57.254	0.0010	14	-37 9 38.04	-0.024	12	0.71	57.207	21	00.8	36.77	21	98.0	A2	GC	23056K	C -3711274		
7	8.1	7.9W	3 0.279	0.0036	05	-37 2 1.32	-0.072	05	0.20	0.227	15	35.6	0.29	21	35.6	F5	C8	8501	C -3611229		
8	8.2	7.9W	3 2.620	-0.0068	13	-39 14 17.67	-0.027	13	0.26	2.718	15	35.6	17.29	21	35.6	F8	C8	8502	C -3911113		
9		9.1W	3 4.655	-0.0064	09	-36 57 58.32	0.011	09	0.22	4.747	15	35.6	58.49	21	35.6	AO L	C8	8503	C -3611230		
10		6.3T	3 8.459	0.0011	17	-35 23 5.06	-0.007	13	0.77	8.405	18	02.0	4.68	18	99.8	B3	GC	23063	C -3511306		
11	10.3	9.0W	3 12.812	0.0004	21	-30 40 2.29	0.039	21	0.44	12.805	22	31.6	3.01	21	31.6	G5 L	C7	8986	C -3013788		
12	9.3	9.4W	3 15.783	-0.0010	18	-38 9 24.27	-0.041	18	0.32	15.797	15	35.6	23.69	21	35.6	B8	C8	8505	C -3811547		
13	9.5	9.6W	3 15.884	0.0003	21	-34 36 57.53	0.001	21	0.44	15.879	22	31.6	57.56	21	31.6	A2	C7	8987	C -3411476		
14	10.9	9.2W	3 17.623	0.0011	23	-36 48 7.29	-0.049	23	0.38	17.607	15	35.6	6.59	21	35.6	K0 L	C8	8506	C -3611233		
15		7.5T	3 18.452	0.0001	12	-30 4 57.01	0.009	10	0.60	18.447	19	99.0	57.49	18	95.3	A3	GC	23067	C*-2913197		
16	9.2	9.2W	3 18.965	-0.0016	21	-31 13 13.50	-0.005	21	0.44	18.995	22	31.6	13.41	21	31.6	AO	C7	8989	C -3113566		
17		7.3T	3 20.015	0.0009	14	-36 0 42.97	-0.014	12	0.73	19.969	18	98.9	42.23	17	95.5	B5	GC	23068	C*-3511310		
18		9.1R	3 25.211	0.0004	20	-30 8 34.96	0.001	20	0.35	25.205	16	34.0	34.97	16	34.0	B0 M	13B	10790	J -3013795		
19	10.4	9.9W	3 26.020	-0.0030	21	-31 20 31.81	-0.000	21	0.44	26.075	22	31.6	31.80	21	31.6	G0 L	C7	8990	C -3113569		
20	8.2	8.1W	3 27.270	-0.0004	08	-35 49 14.88	0.000	08	0.22	27.276	15	35.6	14.89	21	35.6	B8	C8	8509	C*-3511315		
21	8.5	8.6W	3 31.964	-0.0009	13	-38 21 38.32	0.011	13	0.26	31.977	15	35.6	38.49	21	35.6	B5	C8	8510	C -3811549		
22	9.9	8.3W	3 34.677	-0.0007	23	-36 39 15.36	-0.019	23	0.38	34.687	15	35.6	15.09	21	35.6	K2	C8	8511	C -3611236		
23	8.7	8.5W	3 38.139	-0.0060	13	-35 18 40.44	0.003	13	0.26	38.225	15	35.6	40.49	21	35.6	A0	C8	8513	C -3511319		
24	9.2	9.2W	3 38.319	-0.0010	21	-33 3 30.99	-0.014	21	0.44	38.337	22	31.6	30.74	21	31.6	A0	C7	8991	C -3212347		
25	10.0	8.7W	3 38.851	-0.0094	23	-36 29 45.49	-0.070	23	0.38	38.986	15	35.6	44.49	21	35.6	K2	C8	8515	C -3611237		
26	8.7	8.6W	3 44.668	0.0008	06	-35 41 36.04	-0.004	06	0.20	44.656	15	35.6	35.99	21	35.6	B0	C8	8516	C -3511320		
27	11.0	9.6W	3 47.141	0.0007	21	-34 50 41.53	-0.254	21	0.44	47.129	22	31.6	36.85	21	31.6		C7	8992	C -3411483		
28	10.3	9.3W	3 53.584	-0.0011	21	-30 39 58.52	0.043	21	0.44	53.605	22	31.6	59.31	21	31.6	K0 L	C7	8993	C -3013804		
29	9.9	8.3W	3 55.591	0.0018	21	-34 57 44.76	0.032	21	0.44	55.559	22	31.6	45.35	21	31.6	K5	C7	8994	C -3411488		
30	9.9	10.0W	3 56.135	-0.0029	18	-37 37 20.58	-0.021	18	0.32	56.177	15	35.6	20.29	21	35.6	A0	C8	8518	C -3711286		
31	8.4	8.2W	4 1.405	0.0020	06	-35 49 37.39	-0.070	06	0.20	1.376	15	35.6	36.39	21	35.6	F5	C8	8519	C -3511324		
32	9.8	8.8W	4 3.076	-0.0021	21	-31 3 51.70	0.011	21	0.44	3.115	22	31.6	51.91	21	31.6	K0	C7	8995	C -3013807		
33	9.6	9.2W	4 5.631	-0.0106	21	-31 44 19.48	-0.008	21	0.44	5.825	22	31.6	19.32	21	31.6	G5	C7	8996	C -3113579		
34	9.3	8.0W	4 5.637	-0.0007	06	-37 14 32.05	-0.019	06	0.20	5.647	15	35.6	31.79	21	35.6	K2	C8	8520	C -3711290		
35	7.9	8.3W	4 13.560	-0.0009	21	-34 26 30.56	-0.001	21	0.44	13.578	22	31.6	30.54	21	31.6	B5	C7	8997	C -3411493		
36	10.3	8.9W	4 14.015	-0.0050	08	-36 59 48.33	-0.052	08	0.22	14.087	15	35.6	47.59	21	35.6	K0	C8	8521	C -3611242		
37	8.3	8.1W	4 14.771	0.0018	13	-35 8 7.40	-0.007	13	0.26	14.745	15	35.6	7.29	21	35.6	B9	C8	8522	C -3511334		
38	9.8	8.5W	4 15.632	-0.0045	21	-30 35 19.55	0.014	21	0.44	15.715	22	31.6	19.81	21	31.6	K5	C7	8998	C -3013811		
39	9.0	8.8W	4 15.843	0.0017	18	-38 45 5.07	0.001	18	0.32	15.818	15	35.6	5.09	21	35.6	A0	C8	8523	C -3811558		
40	9.3	9.1W	4 16.355	0.0053	21	-34 58 30.43	0.039	21	0.44	16.259	22	31.6	31.15	21	31.6	F8	C7	8999	C -3411494		
41	10.6	9.6W	4 19.819	-0.0020	21	-31 57 3.32	0.017	21	0.44	19.855	22	31.6	3.62	21	31.6	K0 L	C7	9000	C -3113582		
42	9.0	8.8W	4 21.799	-0.0025	21	-30 31 41.34	-0.002	21	0.44	21.845	22	31.6	41.30	21	31.6	G0	C7	9001	C -3013814		
43	9.7	9.8W	4 23.310	-0.0019	21	-31 29 32.34	0.036	21	0.44	23.345	22	31.6	33.00	21	31.6	A2	C7	9002	C -3113585		
44	9.4	9.3W	4 27.558	-0.0073	21	-30 14 4.96	-0.015	21	0.44	27.693	22	31.6	4.69	21	31.6	G0	C7	9003	C -3013817		
45	10.7	8.9W	4 30.099	0.0009	13	-35 33 22.77	0.008	13	0.26	30.086	15	35.6	22.89	21	35.6	K1 L	C8	8524	C -3511338		
46		7.1T	4 31.208	0.0023	11	-31 0 43.32	-0.027	09	0.58	31.088	15	98.0	41.80	17	92.9	K0	GC	23096	C -3013818		
47	10.0	9.8W	4 32.263	-0.0073	21	-34 22 53.75	-0.017	21	0.44	32.398	22	31.6	53.45	21	31.6	G0	C7	9005	C -3411497		
48	10.3	9.1W	4 44.257	-0.0021	21	-31 54 44.10	-0.042	21	0.44	44.295	22	31.6	43.32	21	31.6	K0	C7	9006	C -3113591		
49	8.5	8.3W	4 47.745	-0.0056	13	-35 34 55.13	-0.038	13	0.26	47.826	15	35.6	54.59	21	35.6	F5	C8	8527	C -3511343		
50	10.8	9.5W	4 50.524	0.0009	21	-32 33 47.50	-0.058	21	0.44	50.507	22	31.6	46.44	21	31.6	K0 L	C7	9007	C -3212365		
51	10.5	8.6W	17 4 53.269	0.0017	21	-32 30 15.72	0.006	21	0.44	53.237	22	31.6	15.84	21	31.6	K0	C7	9008	C -3212368		
52		7.1T	4 54.614	-0.0014	17	-34 56 22.88	0.013	15	0.80	54.680	18	01.6	23.51	19	00.7	B3	GC	23107	C -3411503		
53	9.6	9.2W	5 3.210	-0.0032	13	-36 16 7.48	-0.055	13	0.26	3.256	15	35.6	6.69	21	35.6	F8	C8	8529	C -3611254		
54	8.6	8.8W	5 3.606	-0.0005	21	-33 48 5.19	-0.041	21	0.44	3.598	22	31.6	4.45	21	31.6	B8	C7	9010	C -3311753		
55	9.4	9.1W	5 3.931	-0.0018	13	-37 45 27.57	-0.013	13	0.26	3.957	15	35.6	27.39	21	35.6	F8	C8	8530	C -3711307		
56		10.3W	5 8.261	-0.0135	13	-35 6 3.50	-0.043	13	0.26	8.455	15	35.6	2.89	21	35.6	G0 L	C8	8532	C -3411506		
57		7.9T	5 10.504	0.0038	15	-36 34 39.74	-0.072	12	0.71	10.318	19	00.7	35.89	19	96.9	G0	GC	23113	C -3611257		
58	9.4	9.4W	5 10.824	-0.0023	13	-37 31 58.61	-0.036	13	0.26	10.857	15	35.6	58.09	21	35.6	B8	C8	8535	C -3711309		
59	10.5	9.1W	5 10.826	-0.0023	13	-39 55 52.85	-0.039	13	0.26	10.859	15	35.6	52.29	21	35.6	K2	C8	8534	C -3911142		
60	9.9	8.7W	5 12.632	-0.0018	13	-38 30 51.97	-0.048	13	0.26	12.658	15	35.6	51.29	21	35.6	K0	C8	8536	C -3811570		
61		7.5T	5 15.942	-0.0008	20	-39 16 24.13	0.021	15	0.86	15.981	21	03.5	25.21	19	99.7	A0	GC	23115	C*-3911145		
62	9.6	9.3W	5 19.733	-0.0002	21	-34 1 43.65	0.005	21	0.44	19.738	22	31.6	43.75	21	31.6	A2	C7	9011	C -3311755		
63	9.9	9.1W	5 19.906	-0.0002	13	-38 49 9.09	-0.035	13	0.26	19.908	15	35.6	8.59	21	35.6	G5	C8	8538	C -3811572		
64	10.2	10.0W	5 23.722	-0.0056	21	-32 2 22.99	0.024	21	0.44	23.825	22	31.6	23.42	21	31.6	A0 L	C7	9012	C -3113609		
65	10.7	10.2W	5 26.258	-0.0040	08	-35 45 47.13	-0.148	08	0.22	26.316	15	35.6	44.99	21	35.6		C8	8539	C -3511350		
66	9.7	9.5W	5 33.830	-0.0057	21	-31 13 26.52	-0.017	21	0.44	33.935	22	31.6	26.21	21	31.6	A0	C7	9013	C -3113613		
67		5.8T	5 35.759	0.0008	10	-30 20 21.84	-0.073	10	0.55	35.718	17	99.0	18.00	17	97.6	A3	GC	23118	C -3013840		
68	9.5	9.5W	5 37.258	-0.0047	21	-30 48 47.48	-0.031	21	0.44	37.345	22	31.6	46.90	21	31.6	B9	C7	9015	C -3013839		
69		9.1R	5 38.662	-0.0008	21	-30 6 18.51	-0.014	21	0.37	38.675	16	34.0	18.28	16	34.0	G M	13B	10824	J -3013842		
70	9.2	9.0W	5 43.847	0.0007	18	-37 50 54.56	-0.053	18	0.32	43.837	15	35.6	53.79	21	35.6	G0	C8	8540	C -3711315		
71	11.4	9.4W	5 47.725	0.0004	21	-32 33 24.66	-0.007	21	0.44	47.717	22	31.6	24.54	21	31.6		C7	9016	C -3212386		
72	9.7	9.5W	5 53.078	-0.0019	21	-30 25 39.25	-0.004	21	0.44	53.113	22	31.6	39.18	21	31.6	B8 L	C7	9017	C -3013845		
73	9.8	9.6W	6 0.667	-0.0059	21	-31 57 13.88	0.030	21	0.44	0.775	22	31.6	14.42	21	31.6	A0	C7	9018	C -3113626		
74	11.2	9.5W	6 0.771	-0.0002	21	-31 7 42.83	0.004	21	0.44	0.775	22	31.6	42.90	21	31.6		C7	9019	C -3113627		
75	9.8	9.8W	6 1.344	-0.0009	18	-37 12 0.90	-0.001	18	0.32	1.357	15	35.6	0.89	21	35.6	A2	C8	8541	C -3711319		
76	10.1	7.9W	6 3.895	0.0009	21	-34 41 29.38	-0.007	21	0.44	3.879	22	31.6	29.25	21	31.6	K5	C7	9020	C -3411519		
77	8.7	8.7W	6 4.592	-0.0036	21	-33 26 11.74	-0.028	21	0.44	4.657	22	31.6	11.24	21	31.6	B9	C7	9021	C -3311762		
78	11.0	9.6W	6 8.313	-0.0039	21	-30 37 10.10	0.006	21	0.44	8.385	22	31.6	10.21	21	31.6	K0 L	C7	9022	C -3013849		
79	11.1	9.2W	6 8.493	-0.0008	21	-33 19 50.37	-0.024	21	0.44	8.507	22	31.6	49.94	21	31.6		C7	9023	C -3311764		
80	10.8		6 9.643	-0.0010	18	-36 31 47.58	0.007	18	0.32	9.657	15	35.6	47.69	21	35.6		C8	8542	C -3611271		
81	11.1	9.5W	6 17.973	-0.0012	21	-30 55 21.60	0.006	21	0.44	17.995	22	31.6	21.71	21	31.6		C7	9025	C -3013852		
82	10.4	10.2W	6 23.233	0.0015	21	-31 54 12.13	0.005	21	0.44	23.205	22	31.6	12.22	21	31.6	G0	C7	9026	C -3113636		
83			6 30.246	0.0007	08	-36 0 48.69	-0.195	08	0.22	30.236	15	35.6	45.89	21	35.6	K0 L	C8	8544	C -3511367		
84	10.8		6 34.223	0.0033	18	-35 22 12.71	-0.016	18	0.32	34.175	15	35.6	12.49	21	35.6	A2 L	C8	8545	C -3511368		
85	10.8	9.6W	6 37.946	0.0014	13	-36 12 38.00	0.006	13	0.26	37.926	15	35.6	38.09	21	35.6	A7	C8	8546	C -3611279		
86	9.2	9.1W	6 40.725	-0.0002	18	-38 33 43.01	-0.023	18	0.32	40.728	15	35.6	42.69	21	35.6	B0	C8	8547	C -3811593		
87	7.7	8.0W	6 52.954	-0.0033	21	-30 46 31.74	-0.029	21	0.44	53.015	22	31.6	31.21	21	31.6	A2	C7	9027	C -3013859		
88	9.4	9.1W	6 57.508	-0.0020	13	-38 28 20.16	-0.040	13	0.26	57.537	15	35.6	19.59	21	35.6	A0	C8	8548	C -3811602		
89	9.6	9.3W	6 59.428	0.0017	21	-30 30 35.13	0.037	21	0.44	59.395	22	31.6	35.81	21	31.6	F8	C7	9028	C -3013861		
90	9.5	9.5W	7 9.001	-0.0018	21	-30 54 27.75	0.003	21	0.44	9.035	22	31.6	27.80	21	31.6	A0	C7	9029	C -3013865		
91	10.6	9.5W	7 9.086	-0.0021	21	-31 5 11.52	0.005	21	0.44	9.125	22	31.6	11.61	21	31.6	K0	C7	9030	C -3013864		
92	8.9	9.0W	7 9.932	-0.0014	21	-32 57 35.19	-0.025	21	0.44	9.957	22	31.6	34.74	21	31.6	B8	C7	9031	C -3212409		
93	8.5	8.7W	7 10.069	0.0028	21	-32 33 34.33	-0.038	21	0.44	10.017	22	31.6	33.64	21	31.6	B9	C7	9032	C -3212410		
94	9.2	9.2W	7 10.961	0.0008	21	-33 46 51.72	0.001	21	0.44	10.947	22	31.6	51.75	21	31.6	A0	C7	9033	C -3311780		
95	10.4	10.0W	7 21.023	0.0011	23	-38 6 19.62	0.011	23	0.38	21.007	15	35.6	19.79	21	35.6	F0	C8	8551	C -3811608		
96	9.6	9.6W	7 23.824	-0.0024	21	-32 49 37.28	0.068	21	0.44	23.867	22	31.6	38.54	21	31.6	B8	C7	9034	C -3212413		
97	8.3	8.5W	7 26.287	-0.0020	13	-36 20 53.38	-0.021	13	0.26	26.296	15	35.6	53.09	21	35.6	B5	C8	8552	C -3611290		
98		9.2W	7 29.266	0.0014	13	-35 56 38.77	-0.041	13	0.26	29.246	15	35.6	38.19	21	35.6	K7	C8	8553	C -3511380		
99	8.1	8.3W	7 31.369	-0.0020	21	-31 30 1.49	-0.047	21	0.44	31.405	22	31.6	0.62	21	31.6	A0	C7	9035	C -3113656		
00	10.1	9.7W	7 31.695	0.0011	21	-31 2 8.10	0.044	21	0.44	31.675	22	31.6	8.91	21	31.6	F0 L	C7	9036	C -3013873		

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 17H DM NUMBER
1	11.2	9.3W	17 7 32.786	0.0011	21	-32 19 43.21	-0.026	21	0.44	32.765	22	31.6	42.72	21	31.6	K5	C7	9037	C -3212416
2		9.7W	7 36.893	-0.0016	06	-36 12 14.20	0.040	06	0.20	36.916	15	35.6	14.79	21	35.6	K2	C8	8554	C -3611293
3	9.9	9.4W	7 49.533	-0.0023	21	-31 31 16.17	0.036	21	0.44	49.575	22	31.6	16.82	21	31.6	G5	C7	9038	C -3113662
4	9.7	8.6W	7 56.431	-0.0008	21	-32 7 53.77	0.041	21	0.44	56.445	22	31.6	54.52	21	31.6	K0	C7	9039	C -3212426
5	10.8	9.0W	8 0.484	-0.0023	10	-36 21 4.03	-0.031	10	0.23	0.517	15	35.6	3.59	21	35.6	K2	C8	8555	C -3811620
6			8 1.980	-0.0025	21	-32 15 52.61	-0.037	21	0.44	2.025	22	31.6	51.92	21	31.6	M0	C7	9041V	C*-3212429
7	9.3	9.4W	8 2.080	0.0040	21	-34 10 59.71	0.018	21	0.44	1.988	22	31.6	0.04	21	31.6	A0	C7	9040	C -3411541
8	8.9	8.8W	8 6.789	-0.0005	21	-32 42 32.67	-0.024	21	0.44	6.797	22	31.6	32.24	21	31.6	A5	C7	9042	C -3212430
9	9.3	7.7W	8 12.787	-0.0014	18	-37 47 34.00	-0.015	18	0.32	12.807	15	35.6	33.79	21	35.6	K2	C8	8556	C -3711395
10	8.5	8.7W	8 21.730	-0.0052	21	-32 9 22.64	-0.044	21	0.44	21.825	22	31.6	21.82	21	31.6	B5	C7	9043	C -3212434
11	10.1	9.5W	8 21.911	-0.0084	13	-35 36 38.54	0.003	13	0.26	21.946	15	35.6	38.59	21	35.6	A0	C8	8557	C -3511390
12	9.3	9.2W	8 24.196	-0.0008	18	-38 5 49.80	-0.001	18	0.32	24.207	15	35.6	49.79	21	35.6	A2	C8	8558	C -3811626
13	10.7	9.3W	8 28.130	-0.0061	21	-30 4 52.77	-0.021	21	0.44	28.243	22	31.6	52.38	21	31.6	K0	L C7	9044	C -2913275
14	10.4	9.9W	8 32.358	-0.0054	08	-35 59 14.09	0.034	08	0.22	32.436	15	35.6	14.59	21	35.6	A8	L C8	8560	C -3511391
15	10.4	9.0W	8 36.122	-0.0029	21	-31 41 15.15	0.004	21	0.44	36.175	22	31.6	15.22	21	31.6	K0	C7	9045	C -3113680
16	10.2	9.6W	8 38.360	0.0012	21	-34 56 52.47	-0.088	21	0.44	38.338	22	31.6	50.85	21	31.6	B8	C7	9046	C -3411548
17	9.4	9.4W	8 41.393	-0.0023	21	-31 44 16.62	-0.016	21	0.44	41.435	22	31.6	16.32	21	31.6	B9	C7	9047	C -3113682
18	9.4	9.0W	8 42.233	0.0011	21	-30 22 21.59	0.032	21	0.44	42.213	22	31.6	22.19	21	31.6	F5	C7	9048	C -3013698
19	8.6	8.9W	8 42.521	-0.0025	21	-33 32 59.87	0.042	21	0.44	42.568	22	31.6	0.65	21	31.6	B8	C7	9049	C -3311810
20		8.9W	8 47.937	-0.0013	13	-35 41 55.71	0.012	13	0.26	47.956	15	35.6	55.89	21	35.6	K5	L C8	8562	C -3511394
21		5.6T	8 48.726	-0.0008	06	-39 26 46.62	-0.073	06	0.27	48.763	09	06.1	43.44	09	06.2	A0	GC	23184	C -3911182
22		6.5T	8 50.214	0.0016	14	-38 45 43.24	-0.044	12	0.71	50.137	18	00.5	40.95	21	97.4	K0	GC	23185	C -3811632
23		8.1T	8 51.256	0.0003	20	-38 20 50.18	-0.023	17	0.87	51.245	24	05.0	49.07	22	02.8	K5	GC	23187	C -3811633
24	10.4	10.0W	8 52.814	-0.0006	21	-31 5 10.15	0.014	21	0.44	52.825	22	31.6	10.41	21	31.6	F5	L C7	9050	C -3013900
25	10.4	8.6W	8 56.444	0.0005	21	-30 42 46.58	0.018	21	0.44	56.435	22	31.6	46.90	21	31.6	K5	C7	9051	C -3013904
26	9.6	9.5W	9 2.024	-0.0013	21	-33 2 28.44	0.021	21	0.44	2.047	22	31.6	28.84	21	31.6	B2	C7	9052	C -3212444
27	8.2	8.5W	9 2.299	-0.0015	21	-34 18 37.09	0.008	21	0.44	2.328	22	31.6	37.25	21	31.6	B5	C7	9053	C -3411554
28	9.7	9.7W	9 4.560	0.0009	18	-37 5 6.49	-0.049	18	0.32	4.547	15	35.6	5.79	21	35.6	B9	C8	8567	C -3611317
29	9.2	9.0W	9 7.806	-0.0004	21	-30 25 48.82	0.009	21	0.44	7.814	22	31.6	48.99	21	31.6	A5	C7	9054	C -3013906
30	9.4	9.4W	9 8.390	-0.0003	21	-32 5 13.51	0.028	21	0.44	8.395	22	31.6	14.02	21	31.6	B8	C7	9055	C -3113694
31	9.3	9.3W	9 19.641	-0.0002	21	-30 59 2.02	0.010	21	0.44	19.645	22	31.6	2.21	21	31.6	A2	C7	9056	C -3013908
32	9.7	8.6W	9 22.011	-0.0003	21	-33 52 11.22	-0.048	21	0.44	22.018	22	31.6	10.35	21	31.6	K0	C7	9057	C -3311825
33	9.2	8.5W	9 23.129	-0.0005	21	-32 53 37.35	-0.039	21	0.44	23.137	22	31.6	36.64	21	31.6	G5	C7	9058	C -3212453
34	8.5	8.7W	9 25.204	0.0005	13	-37 24 16.00	-0.029	13	0.26	25.197	15	35.6	15.59	21	35.6	A0	C8	8568	C -3711379
35	7.3	7.8W	9 30.335	0.0020	21	-33 18 9.33	-0.060	21	0.44	30.297	22	31.6	8.24	21	31.6	B5	C7	9059	C*-3311830
36	7.9	8.3W	9 30.739	-0.0004	21	-33 37 12.13	-0.005	21	0.44	30.748	22	31.6	12.05	21	31.6	B3	C7	9060	C -3311828
37	10.3	9.3W	9 39.225	0.0005	21	-32 17 20.87	-0.002	21	0.44	39.215	22	31.6	20.82	21	31.6	G0	L C7	9061	C -3212458
38	9.5	9.6W	9 41.730	-0.0006	18	-38 43 16.04	0.003	18	0.32	41.738	15	35.6	16.09	21	35.6	B9	C8	8570	C -3811647
39		6.0T	9 43.365	0.0011	10	-32 22 47.38	-0.013	08	0.54	43.305	15	96.7	46.65	15	93.5	B3	GC	23209	C*-3212460
40	8.4	8.8W	9 43.816	0.0011	21	-32 11 1.87	0.025	21	0.44	43.795	22	31.6	2.32	21	31.6	B9	C7	9063	C*-3212461
41		6.7T	9 44.714	-0.0004	13	-37 53 38.06	-0.011	13	0.70	44.736	21	00.0	37.47	21	98.4	B8	GC	23210	C -3711383
42	9.8	9.6W	9 48.368	-0.0027	13	-37 10 19.94	-0.024	13	0.26	48.407	15	35.6	19.59	21	35.6	A0	C8	8572	C -3711385
43	10.9	9.5W	9 52.088	-0.0007	13	-39 0 44.74	-0.032	13	0.26	52.098	15	35.6	44.29	21	35.6	K5	C8	8573	C -3811649
44	10.3	9.9W	9 53.231	-0.0031	13	-35 15 48.19	-0.049	13	0.26	53.275	15	35.6	47.49	21	35.6	F8	L C8	8574	C -3511402
45	7.6	7.6W	9 54.829	-0.0021	21	-32 33 48.23	-0.087	21	0.44	54.867	22	31.6	46.64	21	31.6	F0	C7	9064	C -3212467
46	10.7	10.5W	9 59.226	-0.0081	21	-31 16 9.48	-0.053	21	0.44	59.375	22	31.6	8.51	21	31.6	A0	L C7	9065	C -3113707
47	10.3	10.0W	9 59.963	0.0018	18	-36 49 46.15	0.002	18	0.32	59.937	15	35.6	46.19	21	35.6	A0	L C8	8575	C -3611333
48	10.4	9.3W	10 1.787	-0.0027	21	-34 5 9.04	0.054	21	0.44	1.838	22	31.6	10.05	21	31.6	K0	C7	9066	C -3311841
49	10.4	8.8W	10 3.804	0.0015	21	-33 54 42.80	-0.052	21	0.44	3.778	22	31.6	41.85	21	31.6	K2	C7	9067	C -3311842
50	9.6	9.5W	10 3.938	0.0007	21	-30 56 40.75	-0.008	21	0.44	3.925	22	31.6	40.61	21	31.6	A0	C7	9068	C -3013921
51	9.1	9.0W	17 10 6.510	0.0023	30	-37 34 33.33	0.004	30	0.47	6.477	15	35.6	33.39	21	35.6	A2	C8	8576	C -3711389
52	10.2	9.6W	10 9.517	-0.0030	21	-30 28 39.09	-0.044	21	0.44	9.573	22	31.6	38.28	21	31.6	G5	C7	9069	C -3013923
53	7.4	7.9W	10 11.089	-0.0017	21	-33 16 55.07	0.014	21	0.44	11.057	22	31.6	55.34	21	31.6	B5	C7	9070	C -3311844
54	9.5	8.8W	10 19.763	-0.0003	10	-37 49 52.56	-0.046	10	0.23	19.767	15	35.6	51.89	21	35.6	G0	C8	8577	C -3711393
55	10.3	10.1W	10 20.578	-0.0048	30	-37 34 46.32	0.004	30	0.47	20.647	15	35.6	46.39	21	35.6	A2	L C8	8578	C -3711392
56		6.9W	10 28.368	0.0026	13	-38 14 12.35	0.006	12	0.68	28.240	18	00.2	12.66	19	95.3	F5	GC	23231K	C*-3811663
57		9.4W	10 28.422	0.0005	26	-38 14 16.20	-0.029	22	1.08	28.402	24	06.9	14.90	24	05.9		GC	23232K	C -3811663
58			10 28.991	-0.0009	21	-32 47 42.14	-0.033	21	0.44	29.007	22	31.6	41.54	21	31.6	B9	C7	9071V	C*-3212479
59	9.6	9.2W	10 29.487	0.0008	13	-35 14 49.22	0.018	13	0.26	29.475	15	35.6	49.49	21	35.6	F5	C8	8582	C -3511413
60		9.2W	10 30.418	-0.0061	13	-36 0 53.87	0.001	13	0.26	30.506	15	35.6	53.89	21	35.6	K5	L C8	8583	C -3511412
61	9.2	9.1W	10 31.357	-0.0014	13	-37 44 58.74	-0.018	13	0.26	31.377	15	35.6	58.49	21	35.6	A2	C8	8584	C -3711395
62	7.9	8.1W	10 42.390	0.0013	21	-32 11 2.08	-0.003	21	0.44	42.365	22	31.6	2.02	21	31.6	B8	C7	9072	C -3212485
63	8.7	8.8W	10 47.940	-0.0019	10	-37 34 17.05	-0.012	10	0.23	47.967	15	35.6	16.89	21	35.6	B9	C8	8585	C -3711401
64	9.2	8.9W	10 50.535	0.0031	21	-33 7 17.89	-0.047	21	0.44	50.477	22	31.6	17.04	21	31.6	F5	C7	9073	C -3311852
65	8.9	9.2W	10 53.634	-0.0013	21	-33 9 42.84	-0.028	21	0.44	53.657	22	31.6	42.34	21	31.6	B8	C7	9074	C -3311853
66	10.0	8.5W	10 54.477	-0.0035	13	-38 27 34.19	-0.041	13	0.26	54.527	15	35.6	33.59	21	35.6	K5	C8	8586	C -3811669
67	9.1	9.2W	10 54.999	0.0001	21	-33 12 30.52	0.033	21	0.44	54.997	22	31.6	31.14	21	31.6	A0	C7	9075	C -3311855
68	8.1	7.9W	10 57.591	-0.0024	13	-35 4 16.23	-0.066	13	0.26	57.623	15	35.6	15.29	21	35.6	F2	C8	8587	C -3411571
69		6.6T	10 59.517	0.0004	14	-39 42 34.96	-0.012	12	0.71	59.500	19	00.1	34.36	18	97.8	K5P	GC	23241K	C -3911212
70	10.7	10.0W	11 0.024	-0.0031	18	-38 59 59.48	0.026	18	0.32	0.068	15	35.6	59.89	21	35.6	G5	L C8	8589	C -3811671
71	10.6	9.5W	11 3.157	-0.0026	21	-31 9 4.31	0.027	21	0.44	3.205	22	31.6	4.81	21	31.6	K0	C7	9076	C -3113731
72	10.8	8.5W	11 11.522	0.0002	21	-34 45 1.20	0.030	21	0.44	11.519	22	31.6	1.75	21	31.6	K5	C7	9077	C -3411575
73	10.7	10.1W	11 16.500	0.0003	13	-35 43 58.54	-0.011	13	0.26	16.496	15	35.6	58.39	21	35.6	B5	L C8	8590	C -3511419
74	9.9	9.5W	11 22.894	-0.0010	13	-39 10 59.91	0.005	13	0.26	22.908	15	35.6	59.99	21	35.6	A2	C8	8591	C -3911221
75	9.3	9.3W	11 26.925	-0.0018	21	-33 20 50.28	-0.019	21	0.44	26.957	22	31.6	49.94	21	31.6	B8	C7	9078	C -3311865
76	10.3	9.9W	11 31.244	-0.0016	30	-38 2 28.06	-0.033	30	0.47	31.267	15	35.6	27.59	21	35.6	G0	C8	8592	C -3711408
77	8.6	7.8W	11 32.740	0.0015	13	-38 53 23.17	-0.041	13	0.26	32.718	15	35.6	22.59	21	35.6	G5	C8	8593	C -3811675
78	10.1	8.9W	11 33.551	-0.0017	13	-36 23 51.18	-0.055	13	0.26	33.576	15	35.6	50.39	21	35.6	K2	C8	8594	C -3611355
79	9.5	9.4W	11 37.774	-0.0022	13	-35 26 32.97	0.001	13	0.26	37.805	15	35.6	32.99	21	35.6	F0	C8	8595	C -3511421
80		7.9T	11 42.170	0.0019	14	-33 41 21.75	0.002	12	0.71	42.077	19	99.9	21.65	18	97.1	B5	GC	23252	C -3311867
81	9.1	8.8W	11 49.908	-0.0056	21	-31 16 17.03	-0.039	21	0.44	50.015	22	31.6	16.31	21	31.6	A2	C7	9080	C -3113747
82		6.7T	11 56.963	-0.0002	16	-38 9 24.97	-0.010	13	0.77	56.974	22	01.2	24.42	21	97.7	B3	GC	23258	C*-3811680
83	8.1	8.5W	11 59.327	0.0021	21	-33 8 9.13	-0.022	21	0.44	59.287	22	31.6	8.74	21	31.6	B9	C7	9081	C -3311874
84	9.6	8.9W	11 59.435	-0.0008	09	-35 49 35.61	-0.216	09	0.22	59.446	15	35.6	32.49	21	35.6	G5	C8	8597	C -3511422
85		5.5T	12 2.115	0.0008	06	-33 29 32.99	-0.001	05	0.30	2.076	12	04.3	32.95	12	01.2	QE5	GC	23263	C*-3311875
86	10.0	9.7W	12 2.588	-0.0036	21	-31 28 43.65	-0.008	21	0.44	2.655	22	31.6	43.50	21	31.6	B8	C7	9083	C -3113753
87	10.0	8.0W	12 3.089	-0.0024	21	-30 28 51.10	0.026	21	0.44	3.133	22	31.6	51.58	21	31.6	M8	C7	9084	C -3013953
88	10.1	8.7W	12 7.486	-0.0001	09	-38 1 49.53	-0.031	09	0.22	7.487	15	35.6	49.09	21	35.6	K0	C8	8598	C -3711417
89	11.1	9.6W	12 7.724	-0.0018	21	-33 57 49.59	0.041	21	0.44	7.758	22	31.6	50.35	21	31.6	K5	C7	9085	C -3311876
90	9.3	9.3W	12 10.517	0.0000	13	-38 21 7.73	-0.045	13	0.26	10.517	15	35.6	7.09	21	35.6	A2	C8	8599	C -3811687
91		6.1T	12 10.682	-0.0157	15	-38 31 57.49	-0.412	11	0.69	11.428	24	02.6	35.60	21	96.8	F8	GC	23270	C -3811686
92	9.5	9.5W	12 12.586	-0.0054	21	-31 53 49.98	-0.041	21	0.44	12.685	22	31.6	49.22	21	31.6	B8	C7	9086	C -3113758
93	9.7	7.9W	12 14.939	-0.0021	21	-33 2 56.39	-0.063	21	0.44	14.977	22	31.6	55.24	21	31.6	MA	C7	9087	C -3212517
94	8.4	8.5W	12 17.152	-0.0017	21	-30 12 35.59	0.021	21	0.44	17.183	22	31.6	35.99	21	31.6	A3	C7	9088	C -3013959
95	8.1	8.2W	12 17.980	0.0001	21	-32 38 2.24	0.032	21	0.44	17.977	22	31.6	2.84	21	31.6	B0P	C7	9089	C -3212518
96		10.2W	12 18.078	-0.0013	18	-38 15 53.15	0.016	16	0.32	18.097	15	35.6	53.39	21	35.6	K0	L C8	8601	C -3811689
97	7.7	8.0W	12 20.654	0.0004	21	-33 46 41.04	-0.038	21	0.44	20.648	22	31.6	40.35	21	31.6	A2	C7	9090	C -3311882
98		7.8T	12 21.281	0.0028	17	-34 17 48.36	0.004	13	0.76	21.151	18	02.8	48.56	18	00.4	F0	GC	23276	C*-3411590
99	9.8	8.4W	12 24.248	-0.0016	21	-33 12 44.78	-0.008	21	0.44	24.277	22	31.6	44.64	21	31.6	K0	C7	9092	C -3311884
00	9.0	8.7W	12 27.388	-0.0076	21	-34 53 1.12	0.045	21	0.44	27.529	22	31.6	1.95	21	31.6	F2	C7	9093	C -3411593

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 17H DM NUMBER
1	8.6	8.8W	17 12 28.313	-0.0002	21	-33 37 6.20	-0.025	21	0.44	28.318	22	31.6	5.75	21	31.6	B9	C7	9094	C -3311885
2	8.2	8.3W	12 31.268	-0.0031	21	-31 59 21.40	-0.058	21	0.44	31.325	22	31.6	20.32	21	31.6	B9	C7	9095	C -3113763
3	9.2	9.3W	12 32.879	0.0001	21	-33 59 32.49	0.008	21	0.44	32.878	22	31.6	32.65	21	31.6	B8	C7	9096	C -3311886
4		6.6T	12 33.237	-0.0002	11	-33 40 54.10	-0.005	08	0.53	33.250	17	96.8	53.81	17	92.7	B3	GC	23284K	C*-3311887
5	10.1	9.6W	12 39.122	-0.0025	21	-33 16 0.84	-0.044	21	0.44	39.167	22	31.6	0.04	21	31.6	F8	C7	9098	C -3311888
6		6.2T	12 39.606	0.0000	09	-30 9 17.13	-0.038	08	0.52	39.606	17	93.2	14.87	17	90.8	A0	GC	23287	C -3013968
7	8.1	8.5W	12 45.278	-0.0034	09	-38 16 53.64	-0.004	09	0.22	45.327	15	35.6	53.59	21	35.6	B9	C8	8604	C -3811696
8	10.1	8.4W	12 50.389	-0.0021	13	-39 33 20.68	0.028	13	0.26	50.419	15	35.6	21.09	21	35.6	K5	C8	8605	C -3911253
9	9.8	9.4W	12 58.298	-0.0056	30	-38 35 54.41	-0.016	30	0.47	58.378	15	35.6	54.19	21	35.6		C8	8607	C -3811699
10		6.2T	13 1.079	-0.0098	17	-35 41 25.66	-0.319	14	0.77	1.545	18	02.4	10.32	19	01.8	F8	GC	23295K	C -3511426
11	9.1	9.0W	13 12.850	-0.0009	21	-33 36 52.26	-0.001	21	0.44	12.868	22	31.6	52.25	21	31.6	A3	C7	9100	C -3311904
12	7.6	8.0W	13 18.467	-0.0037	21	-32 17 3.62	-0.016	21	0.44	18.535	22	31.6	3.32	21	31.6	B5	C7	9101	C -3212538
13	10.3	8.6W	13 23.798	-0.0020	13	-37 21 19.25	-0.005	13	0.26	23.827	15	35.6	19.19	21	35.6	K5	C8	8609	C -3711435
14	9.4	9.2W	13 24.214	-0.0034	21	-33 45 29.21	0.034	21	0.44	24.278	22	31.6	29.84	21	31.6	F0	C7	9102	C -3311908
15	9.9	9.7W	13 26.925	-0.0023	10	-39 11 40.29	-0.084	10	0.23	26.958	15	35.6	39.09	21	35.6	A0	C8	8610	C -3911266
16	9.8	9.4W	13 32.246	-0.0020	13	-35 25 33.20	-0.015	13	0.26	32.275	15	35.6	32.99	21	35.6	B5	C8	8611	C -3511432
17	10.2	8.9W	13 32.970	-0.0041	21	-32 19 20.33	-0.065	21	0.44	33.045	22	31.6	19.12	21	31.6	K0	C7	9103	C -3212542
18	10.1	9.9W	13 33.296	-0.0092	21	-31 33 12.28	0.019	21	0.44	33.465	22	31.6	12.62	21	31.6	A0	C7	9104	C -3113789
19		7.2T	13 37.437	0.0015	16	-39 22 30.33	-0.002	13	0.77	37.365	18	00.6	30.20	21	97.2	G5	GC	23310	C -3911270
20	10.0	9.5W	13 41.779	-0.0021	10	-39 44 9.56	-0.053	10	0.23	41.809	15	35.6	8.79	21	35.6	F8	C8	8613	C -3911273
21		7.2T	13 42.296	0.0015	12	-30 17 49.28	0.011	10	0.63	42.216	18	97.0	49.88	17	93.8	F0	GC	23311	C -3013986
22	11.0	9.3W	13 43.207	-0.0013	13	-36 9 4.46	-0.019	13	0.26	43.226	15	35.6	4.19	21	35.6	K2	L C8	8614	C -3611382
23	10.1	9.5W	13 44.600	-0.0019	21	-31 5 47.41	-0.011	21	0.44	44.635	22	31.6	47.21	21	31.6	G5	C7	9106	C -3113792
24	9.4	9.1W	13 47.731	-0.0006	21	-30 17 8.65	0.007	21	0.44	47.743	22	31.6	8.78	21	31.6	F5	C7	9107	C -3013987
25	8.4	8.6W	13 47.884	0.0014	21	-33 13 23.06	-0.007	21	0.44	47.857	22	31.6	22.94	21	31.6	B9	C7	9108	C -3311919
26		5.5H	13 48.269	-0.0076	02	-32 36 29.73	-0.055	02	0.09	48.543	04	14.0	27.84	04	15.4	F5	F4	1452	C -3212545
27	10.3	9.8W	13 49.432	-0.0005	10	-39 40 50.10	-0.043	10	0.23	49.439	15	35.6	49.49	21	35.6	F8	C8	8615	C -3911274
28	9.7	9.6W	13 49.973	0.0009	21	-34 3 56.48	0.003	21	0.44	49.958	22	31.6	56.54	21	31.6	A0	C7	9110	C -3311918
29	9.7	9.4W	13 51.986	-0.0059	21	-31 24 46.11	-0.033	21	0.44	52.095	22	31.6	45.50	21	31.6	B9	C7	9111	C -3113794
30	10.4	8.6W	13 53.622	-0.0034	21	-30 42 43.48	0.034	21	0.44	53.685	22	31.6	44.10	21	31.6	K5	C7	9112	C -3013989
31		8.1T	14 0.316	-0.0001	17	-35 29 41.74	0.017	14	0.77	0.319	19	02.9	42.59	19	01.5	B2	GC	23318	C -3511441
32	10.7	9.5W	14 3.455	-0.0007	21	-34 47 36.33	-0.026	21	0.44	3.468	22	31.6	35.85	21	31.6	K0	C7	9113	C -3411610
33	8.6	8.2W	14 3.996	0.0087	21	-32 0 39.59	-0.112	21	0.44	3.835	22	31.6	37.52	21	31.6	G0	C7	9114	C -3113799
34		8.0T	14 6.617	0.0038	15	-35 28 59.07	0.008	13	0.73	6.428	19	00.7	59.51	19	98.1	B0	GC	23321	C -3511445
35	10.7		14 8.659	0.0001	18	-36 41 23.00	0.013	18	0.32	8.657	15	35.6	23.19	21	35.6	B8	L C8	8619	C -3611385
36		6.9T	14 8.795	-0.0009	10	-30 6 39.71	-0.013	08	0.56	8.844	17	94.7	38.91	15	89.7	G5	GC	23322K	C*-3013996
37	9.2	9.3W	14 10.465	-0.0016	06	-38 36 34.90	-0.015	06	0.20	10.488	15	35.6	34.69	21	35.6	A0	C8	8620	C -3811722
38	11.2	9.5W	14 11.026	-0.0016	21	-32 9 7.11	0.028	21	0.44	11.055	22	31.6	7.62	21	31.6		C7	9116	C -3212556
39			14 11.141	-0.0046	30	-38 1 1.94	0.038	30	0.47	11.207	15	35.6	2.49	21	35.6	K0	L C8	8621	C -3711444
40	8.2	8.2W	14 11.724	-0.0016	18	-37 12 31.95	-0.032	18	0.32	11.747	15	35.6	31.49	21	35.6	A2	C8	8622	C -3711445
41	10.6	8.9W	14 15.097	-0.0025	21	-30 22 19.27	-0.005	21	0.44	15.143	22	31.6	19.19	21	31.6	K5	C7	9117	C -3013998
42	9.2	9.4W	14 15.950	-0.0014	21	-32 6 40.20	-0.015	21	0.44	15.975	22	31.6	39.92	21	31.6	B3	C7	9118	C -3212559
43	8.4	7.8W	14 25.411	-0.0010	05	-35 10 14.66	0.029	05	0.20	25.425	15	35.6	15.09	21	35.6	B0	C8	8623	C -3511448
44	8.4	8.2W	14 27.663	-0.0013	21	-34 2 33.67	0.053	21	0.44	27.687	22	31.6	34.65	21	31.6	F8	C7	9119	C -3311934
45	9.5	9.0W	14 30.353	-0.0088	21	-30 43 1.42	-0.066	21	0.44	30.514	22	31.6	0.21	21	31.6	G5	C7	9120	C -3014004
46	9.8	9.7W	14 31.171	-0.0052	21	-33 33 37.80	-0.025	21	0.44	31.268	22	31.6	37.34	21	31.6	B8	C7	9121	C -3311935
47	9.3	9.2W	14 38.238	-0.0031	21	-31 54 39.40	-0.015	21	0.44	38.295	22	31.6	39.12	21	31.6	B8	C7	9122	C -3113808
48	9.7	9.6W	14 39.201	-0.0019	13	-38 52 16.11	-0.023	13	0.26	39.228	15	35.6	15.79	21	35.6	B8	C8	8624	C -3811729
49	9.4	9.2W	14 40.205	-0.0007	21	-32 25 32.83	-0.022	21	0.44	40.217	22	31.6	32.44	21	31.6	F0	C7	9123	C -3311936
50		6.7T	14 40.289	0.0002	16	-38 6 39.53	-0.012	14	0.77	40.281	22	02.6	38.91	22	00.2	A0	GC	23338	C -3811730
51		7.2T	17 14 43.721	-0.0014	22	-39 38 16.37	-0.018	17	0.94	43.786	22	05.1	15.54	21	02.4	K2	GC	23339	C -3911288
52		9.5W	14 46.074	-0.0002	30	-36 59 48.82	-0.051	30	0.47	46.077	15	35.6	48.09	21	35.6		C8	8627	C -3611393
53	9.4	9.4W	14 47.292	-0.0036	21	-33 9 45.68	-0.014	21	0.44	47.357	22	31.6	45.44	21	31.6	B5	C7	9124	C -3311937
54	9.7	9.5W	15 2.251	0.0010	21	-30 23 6.17	0.033	21	0.44	2.233	22	31.6	6.78	21	31.6	A3	C7	9125	C -3014015
55	10.0	9.3W	15 4.384	0.0004	21	-34 21 22.67	-0.018	21	0.44	4.377	22	31.6	22.35	21	31.6	OA	C7	9126	C -3411622
56	7.9	8.3W	15 4.696	0.0011	21	-32 16 26.53	-0.060	21	0.44	4.675	22	31.6	25.42	21	31.6	B3	C7	9127	C -3212574
57		6.4T	15 4.831	-0.0009	10	-32 30 3.33	-0.020	07	0.50	4.877	17	96.6	2.14	17	90.2	B8	GC	23348K	C*-3212573
58	8.8	8.5W	15 4.939	-0.0048	13	-38 44 23.92	-0.072	13	0.26	5.008	15	35.6	22.89	21	35.6	F8	C8	8628	C -3811740
59	9.9	8.0W	15 5.252	-0.0018	13	-39 29 23.23	-0.010	13	0.26	5.278	15	35.6	23.09	21	35.6	MA	C8	8629	C -3911297
60	8.7	8.9W	15 8.020	0.0024	21	-32 21 6.05	0.015	21	0.44	7.975	22	31.6	6.32	21	31.6	B9	C7	9129	C -3212576
61	10.5	9.3W	15 13.683	-0.0001	21	-30 31 26.03	-0.001	21	0.44	13.685	22	31.6	26.01	21	31.6	K2	C7	9130	C -3014020
62	9.9	10.0W	15 14.053	-0.0003	18	-38 0 58.52	0.046	18	0.32	14.057	15	35.6	59.19	21	35.6	A0	C8	8630	C -3711454
63	8.7	8.2W	15 16.722	-0.0017	06	-36 2 5.81	-0.036	06	0.20	16.746	15	35.6	5.29	21	35.6	A0	C8	8631	C -3511457
64	8.6	8.4W	15 22.040	-0.0013	09	-39 27 51.24	-0.032	09	0.22	22.058	15	35.6	50.79	21	35.6	F8	C8	8632	C -3911302
65	9.1	9.0W	15 23.954	0.0004	21	-34 4 57.41	0.029	21	0.44	23.947	22	31.6	57.95	21	31.6	B9	C7	9131	C -3311950
66	7.7	7.8W	15 26.933	-0.0008	21	-33 23 22.29	-0.036	21	0.44	26.947	22	31.6	21.63	21	31.6	F0	C7	9132	C -3311952
67	9.9	8.5W	15 26.997	-0.0002	10	-39 47 15.08	-0.028	10	0.23	26.999	15	35.6	14.69	21	35.6	K2	C8	8633	C -3911303
68	10.7	9.5W	15 27.521	-0.0032	13	-37 2 27.29	-0.049	13	0.26	27.567	15	35.6	26.59	21	35.6	K1	L C8	8634	C -3611399
69	9.1	9.2W	15 31.256	-0.0023	10	-39 43 3.39	-0.049	10	0.23	31.289	15	35.6	2.69	21	35.6	A0	C8	8635	C*-3911306
70		5.9T	15 32.738	0.0951	07	-34 56 9.09	-0.172	06	0.34	28.229	12	02.6	0.73	14	01.4	K2	GC	23362K	C*-3411626
71	9.9	7.9W	15 36.551	0.0266	13	-37 24 42.47	-0.013	13	0.26	36.167	15	35.6	42.29	21	35.6	MA	C8	8636	C -3711459
72	8.6	8.6W	15 39.201	0.0014	21	-32 17 38.81	0.001	21	0.44	39.175	22	31.5	38.82	21	31.5	B3	C7	9134	C -3212593
73	9.8	7.8W	15 41.916	-0.0001	21	-32 54 49.59	0.002	21	0.44	41.917	22	31.5	49.64	21	31.5	K5	C7	9135	C -3212595
74	8.4	8.3W	15 42.156	0.0013	09	-38 2 48.83	-0.010	09	0.22	42.137	15	35.6	48.69	21	35.6	A3	C8	8637	C -3711460
75	9.9	9.7W	15 43.658	-0.0051	21	-30 8 48.19	0.005	21	0.44	43.753	22	31.5	48.28	21	31.5	A5	C7	9136	C -3014027
76	8.1	8.4W	15 46.920	0.0046	21	-31 3 34.79	0.028	21	0.44	46.835	22	31.5	35.31	21	31.5	B8	C7	9137	C -3014028
77	9.3	9.1W	15 46.960	0.0033	13	-35 47 19.78	0.015	13	0.26	46.956	15	35.6	19.99	21	35.6	F0	C8	8638	C -3511466
78	8.3	8.4W	15 46.964	-0.0033	21	-31 8 4.99	0.012	21	0.44	47.025	22	31.5	5.21	21	31.5	B9	C7	9138	C -3113832
79	9.0	9.0W	15 48.378	-0.0008	10	-39 45 21.47	-0.034	10	0.23	48.389	15	35.6	20.99	21	35.6	B8	C8	8639	C -3911312
80	9.8	7.8W	15 51.730	0.0002	07	-37 18 27.41	-0.016	07	0.21	51.727	15	35.6	27.19	21	35.6	K5	C8	8640	C -3711462
81	7.7	7.8W	15 59.054	0.0005	08	-37 57 9.26	-0.012	08	0.22	59.047	15	35.6	9.09	21	35.6	B3	C8	8641	C -3711463
82	11.4	9.6W	16 0.225	0.0012	21	-30 18 37.99	-0.006	21	0.44	0.203	22	31.5	37.88	21	31.5	K	L C7	9139	C -3014030
83	10.5	10.0W	16 1.579	0.0001	07	-37 3 8.83	-0.024	07	0.21	1.577	15	35.6	8.49	21	35.6	G0	L C8	8643	C -3611406
84	9.6	9.5W	16 1.834	-0.0001	21	-32 5 37.72	-0.043	21	0.44	1.835	22	31.5	36.92	21	31.5	A0	C7	9140	C -3212605
85		7.0T	16 2.864	-0.0007	10	-31 18 35.86	-0.036	09	0.54	2.902	15	96.2	33.85	17	93.7	A2	GC	23375	C*-3113838
86	10.6		16 4.270	-0.0012	18	-38 17 16.79	-0.035	18	0.32	4.287	15	35.6	16.29	21	35.6		C8	8644	C -3811753
87	10.3	9.5W	16 9.419	-0.0012	13	-35 39 32.45	-0.012	13	0.26	9.436	15	35.6	32.29	21	35.6		C8	8645	C -3511470
88	9.9	9.4W	16 11.218	-0.0015	21	-31 41 23.85	-0.012	21	0.44	11.245	22	31.5	23.62	21	31.5	F5	C7	9142	C -3113840
89	9.9	9.5W	16 11.277	-0.0014	21	-30 11 8.41	-0.018	21	0.44	11.303	22	31.5	8.08	21	31.5	A2	C7	9143	C -3014037
90	10.5	9.4W	16 12.043	0.0004	21	-32 10 49.73	-0.000	21	0.44	12.035	22	31.5	49.72	21	31.5	K0	C7	9144	C -3212609
91	9.8	8.7W	16 29.130	-0.0041	21	-31 38 24.56	-0.034	21	0.44	29.205	22	31.5	23.92	21	31.5	K0	C7	9145	C -3113849
92	10.7	9.1W	16 29.780	-0.0040	13	-37 5 19.24	-0.032	13	0.26	29.837	15	35.6	18.79	21	35.6	K0	C8	8647	C -3711474
93	11.3	9.5W	16 40.372	-0.0018	21	-32 29 13.58	-0.003	21	0.44	40.405	22	31.5	13.52	21	31.5	K0	L C7	9146	C -3212617
94	9.2	8.8W	16 48.096	-0.0009	21	-30 22 40.85	-0.047	21	0.44	48.113	22	31.5	39.98	21	31.5	F2	C7	9147	C -3014045
95	9.0	8.8W	16 54.007	-0.0008	13	-39 13 10.47	-0.019	13	0.26	54.018	15	35.6	10.19	21	35.6	A3	C8	8649	C -3911334
96	8.7	8.9W	16 59.330	-0.0013	13	-38 38 15.09	-0.035	13	0.26	59.348	15	35.6	14.59	21	35.6	B9	C8	8650	C -3811767
97	8.1	8.2W	16 59.341	-0.0020	21	-32 49 16.61	0.017	21	0.44	59.377	22	31.5	16.94	21	31.5	A0	C7	9148	C -3212626
98	10.7	10.1W	17 0.834	-0.0045	21	-34 4 52.38	0.041	21	0.44	0.918	22	31.5	53.14	21	31.5	A5	C7	9149	C -3311975
99	11.1	9.8W	17 5.519	-0.0047	21	-31 47 36.73	-0.011	21	0.44	5.605	22	31.5	36.52	21	31.5	G5	L C7	9150	C -3113864
00	10.1	9.5W	17 5.869	-0.0005	13	-35 46 16.48	0.000	13	0.26	5.876	15	35.6	16.49	21	35.6	A3	C8	8651	C*-3511481

208700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 17H DM NUMBER
1	8.8	8.9W	17 17 10.878	-0.0027	21	-33 2 18.78	0.008	21	0.44	10.927	22	31.5	18.94	21	31.5	A0	C7	9151	C*-3212630
2	10.5	9.1W	17 17.609	0.0008	13	-36 37 58.38	-0.014	13	0.26	17.597	15	35.6	58.19	21	35.6	K2	C8	8652	C -3611419
3		7.1T	17 17.782	0.0009	15	-37 58 15.17	0.009	13	0.76	17.738	22	99.5	15.63	19	96.5	B3	GC	23409	C*-3711487
4	9.7	8.8W	17 24.270	-0.0006	13	-38 36 11.37	-0.034	13	0.26	24.278	15	35.6	10.89	21	35.6	B5	C8	8654	C -3811773
5	10.6	9.2W	17 24.757	0.0012	08	-39 53 14.60	-0.043	08	0.22	24.739	15	35.6	13.99	21	35.6	K2	C8	8655	C -3911346
6	10.2	9.3W	17 30.914	-0.0057	13	-36 1 22.27	0.015	13	0.26	30.996	15	35.6	22.49	21	35.6	G5	C8	8656	C -3511487
7	9.5	9.3W	17 31.520	-0.0012	13	-36 34 38.25	0.002	13	0.26	31.537	15	35.6	38.29	21	35.6	A0	C8	8657	C -3611422
8	10.8	9.4W	17 36.740	-0.0026	13	-36 58 30.77	-0.013	13	0.26	36.777	15	35.6	30.59	21	35.6	G5	C8	8659	C -3611423
9	8.8	8.9W	17 37.905	-0.0011	21	-32 6 34.68	-0.019	21	0.44	37.925	22	31.5	34.32	21	31.5	A2	C7	9152	C -3212642
10	10.4	9.4W	17 39.333	0.0011	21	-30 14 19.26	0.039	21	0.44	39.313	22	31.5	19.98	21	31.5	G5 L	C7	9153	C -3014064
11	9.5	8.0W	17 40.995	0.0020	21	-32 46 43.95	-0.028	21	0.44	40.957	22	31.5	43.44	21	31.5	K5	C7	9154	C -3212643
12	10.4	10.1W	17 40.362	-0.0030	21	-33 25 39.24	0.048	21	0.44	40.417	22	31.5	▶ 0.14	21	31.5	A0	C7	9155	C -3311990
13	10.7	9.4W	17 49.859	-0.0004	21	-34 18 53.02	-0.026	21	0.44	49.868	22	31.5	52.55	21	31.5	K2	C7	9156	C -3411847
14	11.1	9.4W	17 53.698	-0.0026	21	-31 37 22.60	0.023	21	0.44	53.745	22	31.5	23.02	21	31.5		C7	9157	C -3113085
15	9.3	8.6W	17 56.302	0.0030	13	-39 27 7.99	-0.028	13	0.26	56.258	15	35.6	7.59	21	35.6	A5	C8	8661	C -3911357
16	10.8	9.0W	17 59.553	-0.0017	21	-31 4 24.30	-0.005	21	0.44	59.585	22	31.5	24.21	21	31.5	K2	C7	9158	C -3014071
17	9.5	9.5W	18 3.942	-0.0012	07	-39 58 44.33	-0.038	07	0.21	3.959	15	35.6	43.79	21	35.6	A0	C8	8662	C -3911361
18	9.7	9.3W	18 5.181	0.0026	21	-34 18 43.03	-0.113	21	0.44	5.137	22	31.5	40.95	21	31.5	F8	C7	9159	C -3411651
19	9.0	8.9W	18 5.687	-0.0006	13	-35 33 7.54	-0.011	13	0.26	5.696	15	35.6	7.39	21	35.6	A0	C8	8663	C -3511495
20	9.0	9.2W	18 6.460	-0.0019	18	-38 22 40.85	-0.005	18	0.32	6.487	15	35.6	40.79	21	35.6	B9	C8	8664	C -3811783
21		7.5T	18 11.632	0.0023	11	-31 31 59.33	-0.048	10	0.58	11.513	18	99.0	56.86	18	98.6	A2	GC	23429	C*-3113896
22	10.3	9.3W	18 13.782	-0.0050	21	-30 59 49.68	0.023	21	0.44	13.875	22	31.5	50.11	21	31.5	K5	C7	9161	C -3014075
23	11.1	9.4W	18 18.937	0.0006	21	-32 3 22.97	-0.029	21	0.44	18.925	22	31.5	22.42	21	31.5	G5 L	C7	9162	C -3113897
24	9.0	8.3W	18 26.555	-0.0021	13	-35 17 57.64	-0.011	13	0.26	26.585	15	35.6	57.49	21	35.6	G5	C8	8666	C -3511497
25	10.4	9.6W	18 37.854	0.0005	18	-37 51 26.12	0.018	18	0.32	37.847	15	35.6	26.39	21	35.6		C8	8667	C -3711501
26	8.7	8.7W	18 40.922	-0.0030	21	-33 21 58.10	0.061	21	0.44	40.977	22	31.5	59.24	21	31.5	B9	C7	9163	C -3311996
27	10.8	9.6W	18 53.626	-0.0042	13	-35 56 53.40	-0.029	13	0.26	53.686	15	35.6	52.99	21	35.6	K0 L	C8	8668	C -3511502
28	9.7	9.7W	18 55.394	0.0004	18	-38 45 21.77	-0.041	18	0.32	55.388	15	35.6	21.19	21	35.6	A0	C8	8669	C -3811794
29	9.8	9.6W	18 55.838	-0.0004	21	-32 29 2.51	0.066	21	0.44	55.845	22	31.5	3.72	21	31.5	B8	C7	9164	C -3212662
30		7.2T	18 56.658	0.0006	13	-30 27 13.68	-0.023	10	0.65	56.627	19	99.2	12.36	18	93.2	B9	GC	23453K	C*-3014090
31	8.8	8.9W	18 57.799	-0.0037	21	-32 54 51.68	0.035	21	0.44	57.867	22	31.5	52.34	21	31.5	A0	C7	9166	C -3212663
32	10.0	8.6W	18 57.981	-0.0018	13	-37 2 11.12	-0.017	13	0.26	58.007	15	35.6	10.89	21	35.6	K0	C8	8670	C -3611438
33	9.5	9.0W	18 59.240	0.0008	21	-31 36 33.48	-0.073	21	0.44	59.225	22	31.5	32.12	21	31.5	G0	C7	9167	C -3113912
34		7.5T	19 1.995	0.0045	13	-31 32 15.43	-0.012	08	0.60	1.770	19	00.4	14.72	18	90.6	A2	GC	23456	C*-3113913
35	9.1	9.2W	19 6.027	0.0007	21	-31 5 4.33	-0.026	21	0.44	6.015	22	31.5	3.81	21	31.5	A0	C7	9169	C -3113916
36		8.3T	19 8.364	0.0019	10	-31 14 57.46	-0.014	07	0.39	8.284	15	08.1	56.81	14	03.0	F0	GC	23459	C -3113918
37	8.4	8.6W	19 9.038	0.0022	13	-36 27 58.53	-0.045	13	0.26	9.006	15	35.6	57.89	21	35.6	A0	C8	8671	C -3611442
38	8.2	8.0W	19 12.324	0.0033	21	-30 9 20.54	-0.133	21	0.44	12.263	22	31.5	18.08	21	31.5	F5	C7	9171	C -3014096
39	8.0	8.1W	19 13.398	0.0002	08	-35 20 1.52	-0.072	08	0.22	13.395	15	35.6	0.49	21	35.6	A2	C8	8672	C -3511504
40		6.3T	19 14.467	0.0014	12	-37 45 27.32	-0.014	10	0.63	14.397	22	98.9	26.53	21	95.3	+++	GC	23462	C*-3711507
41		6.3T	19 16.270	0.0067	13	-35 51 52.01	0.111	12	0.64	15.948	18	01.9	57.50	17	00.7	G0	GC	23463	C -3511505
42		7.3T	19 16.299	-0.0005	15	-38 9 17.93	-0.001	12	0.74	16.326	21	00.3	17.85	19	96.3	A0	GC	23464K	C*-3811801
43	10.0	8.7W	19 22.118	0.0008	13	-37 36 31.54	-0.018	13	0.26	22.107	15	35.6	31.29	21	35.6	K2	C8	8676	C -3711510
44	10.2	9.7W	19 22.599	-0.0053	06	-35 11 19.96	-0.040	06	0.20	22.675	15	35.6	19.39	21	35.6	G0	C8	8677	C -3511507
45	9.3	9.4W	19 26.218	-0.0006	10	-38 8 22.47	-0.041	10	0.23	26.227	15	35.6	21.89	21	35.6	A3	C8	8678	C -3811803
46	10.1	9.6W	19 29.322	-0.0057	21	-32 31 30.91	0.028	21	0.44	29.427	22	31.5	31.44	21	31.5	F8	C7	9172	C -3212673
47		6.0T	19 30.965	0.0028	15	-37 10 23.69	-0.027	13	0.73	30.831	21	01.4	22.27	21	98.4	K0	GC	23471	C -3711512
48	9.5	9.1W	19 35.218	-0.0091	21	-33 46 12.78	0.084	21	0.44	35.388	22	31.5	14.34	21	31.5	F2	C7	9173	C -3312006
49	10.8	9.6W	19 36.384	-0.0012	21	-32 26 32.33	-0.016	21	0.44	36.405	22	31.5	32.02	21	31.5	G0	C7	9174	C -3212676
50	10.7	10.0W	19 38.134	-0.0036	13	-35 45 18.40	-0.022	13	0.26	38.186	15	35.6	18.09	21	35.6		C8	8681	C -3511512
51	9.7	9.3W	17 19 39.586	-0.0048	21	-30 52 34.25	-0.051	21	0.44	39.675	22	31.5	33.30	21	31.5	G5	C7	9175	C -3014109
52	9.1	8.8W	19 41.044	-0.0067	21	-33 9 39.08	-0.030	21	0.44	41.167	22	31.5	38.54	21	31.5	F8	C7	9176	C -3312010
53	9.6	9.4W	19 48.657	-0.0043	21	-34 4 17.61	0.018	21	0.44	48.738	22	31.5	17.95	21	31.5	B9	C7	9177	C -3312011
54	9.9	8.4W	19 52.850	-0.0019	13	-37 56 27.82	-0.017	13	0.26	52.877	15	35.6	27.59	21	35.6	K0	C8	8684	C -3711514
55	10.8	8.9W	19 57.853	0.0004	21	-32 7 23.87	-0.013	21	0.44	57.845	22	31.5	23.62	21	31.5	K5	C7	9178	C -3212683
56	9.0	9.1W	19 59.553	-0.0028	21	-31 26 38.16	-0.008	21	0.44	59.605	22	31.5	38.01	21	31.5	A0	C7	9179	C -3113935
57	9.6	8.3W	19 59.956	-0.0016	21	-33 46 23.15	0.032	21	0.44	59.927	22	31.5	23.73	21	31.5	K0	C7	9180	C -3312012
58	8.3	8.4W	20 6.350	-0.0033	18	-37 1 52.96	-0.026	18	0.32	6.397	15	35.6	52.59	21	35.6	B9	C8	8686	C -3611453
59	9.9	9.5W	20 10.247	-0.0000	21	-34 26 48.97	-0.180	21	0.44	10.248	22	31.5	45.65	21	31.5	G0	C7	9181	C -3411663
60	9.9	9.5W	20 15.764	-0.0028	21	-31 57 6.83	-0.011	21	0.44	15.815	22	31.5	6.62	21	31.5	B8	C7	9182	C -3113941
61	7.9	7.9W	20 18.079	0.0002	21	-31 39 13.27	-0.013	21	0.44	18.075	22	31.5	13.02	21	31.5	F2	C7	9183	C -3113945
62	10.1	9.7W	20 22.536	-0.0001	13	-36 50 58.50	0.006	13	0.26	22.537	15	35.6	58.59	21	35.6	A2	C8	8689	C -3611461
63	10.7	9.6W	20 25.740	-0.0035	21	-31 27 24.44	-0.007	21	0.44	25.805	22	31.5	24.30	21	31.5	G5	C7	9184	C -3113951
64	9.9	9.5W	20 26.190	0.0002	13	-38 3 50.37	0.015	13	0.26	26.187	15	35.6	50.59	21	35.6	A3	C8	8690	C -3711526
65	10.1	8.8W	20 26.418	0.0018	21	-31 0 59.91	0.027	21	0.44	26.385	22	31.5	+ 0.41	21	31.5	K0	C7	9185	C -3014127
66	9.4	9.4W	20 26.855	-0.0031	21	-30 21 11.32	0.025	21	0.44	26.913	22	31.5	11.78	21	31.5	A2	C7	9186	C -3014128
67	9.2	9.3W	20 34.290	-0.0012	10	-37 58 0.97	-0.013	10	0.23	34.307	15	35.6	0.79	21	35.6	B8	C8	8691	C -3711528
68	10.0	9.8W	20 44.989	-0.0019	21	-31 25 13.38	-0.004	21	0.44	45.025	22	31.5	13.31	21	31.5	A5	C7	9187	C -3113957
69		6.9T	20 49.213	0.0007	12	-34 45 1.73	-0.196	11	0.60	49.175	14	98.8	-51.74	15	99.1	G0	GC	23510	C*-3411665
70	10.3	9.9W	20 52.018	-0.0013	18	-37 19 0.81	0.012	18	0.32	52.037	15	35.6	0.99	21	35.6	A5	C8	8692	C -3711537
71	10.5	8.9W	20 55.193	-0.0018	18	-39 3 36.78	0.000	18	0.32	55.218	15	35.6	36.79	21	35.6	K0	C8	8693	C -3811828
72	10.1	9.7W	20 55.469	-0.0019	21	-31 6 3.96	0.035	21	0.44	55.505	22	31.5	4.61	21	31.5	B5	C7	9189	C -3113961
73	9.6	8.4W	21 2.411	-0.0013	21	-31 56 23.20	-0.004	21	0.44	2.435	22	31.5	23.12	21	31.5	K0	C7	9190	C -3113966
74	7.8	7.9W	21 5.662	-0.0003	21	-33 10 57.22	-0.021	21	0.44	5.667	22	31.5	56.84	21	31.5	A0	C7	9191	C -3312023
75	10.2	8.6W	21 6.509	0.0021	13	-39 29 5.25	0.002	13	0.26	6.478	15	35.6	5.29	21	35.6	K0	C8	8694	C -3911416
76	10.5	9.7W	21 14.616	-0.0028	08	-35 59 11.05	-0.060	08	0.22	14.656	15	35.6	10.19	21	35.6	F0	C8	8695	C -3511530
77	9.2	8.0W	21 15.353	0.0011	21	-30 29 0.29	0.005	21	0.44	15.333	22	31.5	0.38	21	31.5	K0	C7	9192	C*-3014144
78	10.0	9.6W	21 15.479	-0.0012	13	-35 47 38.00	0.006	13	0.26	15.496	15	35.6	38.09	21	35.6	A5	C8	8696	C -3511531
79	10.6	9.2W	21 16.926	-0.0027	13	-35 20 24.96	-0.019	13	0.26	16.965	15	35.6	24.69	21	35.6	G0 L	C8	8697	C -3511532
80	10.1	8.2W	21 20.585	-0.0001	13	-36 24 53.04	-0.024	13	0.26	20.586	15	35.6	52.69	21	35.6	MA	C8	8698	C -3611473
81	9.5	9.7W	21 24.170	-0.0033	23	-36 40 13.80	0.040	23	0.38	24.217	15	35.6	14.39	21	35.6	A0	C8	8699	C -3611474
82	10.5	10.2W	21 32.871	0.0044	23	-36 50 1.61	-0.016	23	0.38	32.807	15	35.6	1.39	21	35.6	A8 L	C8	8701	C -3611477
83		9.6T	21 34.655	0.0029	28	-37 42 53.63	0.019	20	1.09	34.533	26	07.5	54.47	24	04.7	B5	GC	23528	C -3711549
84	10.9	9.5W	21 38.051	-0.0029	21	-31 19 41.93	0.015	21	0.44	38.105	22	31.5	42.21	21	31.5	K5	C7	9193	C -3113982
85	10.1	9.9W	21 39.715	-0.0010	13	-39 32 10.32	0.004	13	0.26	39.729	15	35.6	10.39	21	35.6	A2	C8	8703	C -3911431
86		6.3T	21 43.263	0.0004	12	-34 39 5.68	-0.028	12	0.60	43.242	14	00.3	4.29	15	00.9	A0	GC	23534	C -3411674
87		7.1T	21 49.505	0.0009	14	-34 31 3.10	-0.004	12	0.66	49.460	18	02.0	2.90	17	02.0	A0	GC	23536K	C*-3411676
88	9.8	9.4W	21 52.835	-0.0018	21	-33 21 27.40	-0.004	21	0.44	52.867	22	31.5	27.34	21	31.5	A3	C7	9196	C -3312034
89		6.9T	21 54.467	-0.0005	18	-34 23 6.86	-0.067	16	0.84	54.493	19	03.1	3.58	21	01.2	K0	GC	23539	C -3411677
90		7.1T	22 0.127	0.0017	18	-34 12 17.97	-0.002	15	0.83	0.048	19	02.3	17.86	19	00.1	A5	GC	23545	C -3411679
91	11.0	9.2W	22 2.657	-0.0006	21	-33 29 4.94	-0.006	21	0.44	2.667	22	31.5	4.84	21	31.5	M0	C7	9199	C -3312036
92	10.0	9.7W	22 5.481	-0.0046	21	-31 31 11.25	-0.104	21	0.44	5.565	22	31.5	9.32	21	31.5	A0	C7	9200	C -3113994
93	9.7	8.5W	22 8.621	-0.0039	09	-36 50 32.51	-0.009	09	0.22	8.677	15	35.6	32.39	21	35.6	K2	C8	8705	C -3611485
94	9.3	9.2W	22 18.168	-0.0038	21	-33 26 26.79	-0.036	21	0.44	18.237	22	31.5	26.14	21	31.5	B9	C7	9201	C -3312043
95	10.4	9.8W	22 19.001	-0.0072	21	-30 56 35.28	-0.042	21	0.44	19.135	22	31.5	34.51	21	31.5	F8	C7	9202	C -3014172
96	11.1	9.8W	22 19.576	-0.0070	21	-31 55 59.85	0.058	21	0.44	19.705	22	31.5	▶ 0.92	21	31.5	K0	C7	9203	C -3114000
97	9.6	8.1W	22 20.870	-0.0011	13	-35 42 42.45	-0.005	13	0.26	20.886	15	35.6	42.39	21	35.6	K2	C8	8706	C -3511543
98	8.6	8.8W	22 23.035	-0.0050	08	-38 15 36.35	0.023	08	0.22	23.107	15	35.6	36.69	21	35.6	A0	C8	8707	C -3811855
99	9.8	9.6W	22 23.341	-0.0013	21	-30 58 28.82	0.032	21	0.44	23.365	22	31.5	29.41	21	31.5	A0	C7	9204	C -3014173
00	9.3	9.2W	22 27.722	-0.0050	21	-30 40 42.99	-0.010	21	0.44	27.815	22	31.5	42.81	21	31.5	A0	C7	9205	C -3014174

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950}	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 17H DM NUMBER
1	10.7		17 22 30.701	0.0004	13	-35 17 2.75	0.010	13	0.26	30.695	15	35.6	2.89	21	35.6	A3 L	C8	8708	C -3511551
2	10.1	9.4W	22 33.657	0.0001	21	-32 25 16.19	0.002	21	0.44	33.655	22	31.5	16.22	21	31.5	A5	C7	9206	C -3212721
3	9.1	8.7W	22 34.843	-0.0030	21	-34 48 27.38	-0.061	21	0.44	34.898	22	31.5	26.25	21	31.5	F8	C7	9207	C -3411683
4	10.1	10.0W	22 37.438	-0.0004	21	-32 14 13.40	0.012	21	0.44	37.445	22	31.5	13.62	21	31.5	A0	C7	9208	C -3212722
5	11.5	9.6W	22 40.898	-0.0036	21	-31 29 5.18	0.045	21	0.44	40.965	22	31.5	6.01	21	31.5	M	C7	9209	C -3114010
6		8.2T	22 41.921	0.0043	22	-37 33 58.93	0.006	15	0.89	41.732	22	05.8	59.19	21	03.0	B9	GC	23569	C -3711569
7	9.0	9.1W	22 42.014	-0.0031	13	-38 32 53.70	-0.050	13	0.26	42.058	15	35.6	52.99	21	35.6	B9	C8	8710	C -3811860
8	10.8	9.4W	22 42.869	-0.0021	21	-32 41 50.72	0.006	21	0.44	42.907	22	31.5	50.84	21	31.5	M0	C7	9210	C -3212724
9	9.9	9.7W	22 45.612	-0.0056	21	-32 0 6.83	0.070	21	0.44	45.715	22	31.5	8.12	21	31.5	A0	C7	9211	C -3114011
10	8.4	8.3W	22 46.271	0.0002	21	-32 50 45.75	0.004	21	0.44	46.267	22	31.5	45.84	21	31.5	B8	C7	9212	C -3212726
11		8.4T	22 50.551	0.0007	22	-34 30 51.74	-0.001	18	0.96	50.518	22	05.2	51.68	22	03.0	B8	GC	23575	C -3411685
12	10.6	9.2W	23 1.340	0.0008	21	-31 35 57.01	-0.042	21	0.44	1.325	22	31.5	56.22	21	31.5	K0	C7	9214	C -3114017
13	9.0	9.3W	23 4.744	0.0010	13	-39 43 10.00	-0.036	13	0.26	4.729	15	35.6	9.49	21	35.6	B8	C8	8713	C -3911456
14		7.5T	23 5.887	0.0035	20	-37 4 8.87	-0.001	16	0.87	4.726	21	03.5	8.80	21	01.3	K5	GC	23584	C*-3611494
15	8.9	7.6W	23 8.645	-0.0015	10	-38 17 9.63	-0.045	10	0.23	8.667	15	35.6	8.99	21	35.6	K0	C8	8715	C -3811874
16		9.4W	23 9.058	-0.0032	21	-32 56 10.95	0.004	21	0.44	9.117	22	31.5	11.04	21	31.5		C7	9215	C -3212730
17	9.0	8.8W	23 11.672	0.0031	07	-38 7 34.17	-0.027	07	0.21	11.627	15	35.6	33.79	21	35.6	F5	C8	8716	C -3811876
18		10.1W	23 12.553	-0.0009	08	-36 9 22.14	-0.011	08	0.22	12.566	15	35.6	21.99	21	35.6	A0 L	C8	8717	C -3611497
19		7.9T	23 18.447	-0.0009	12	-32 55 31.65	-0.117	10	0.61	18.490	21	99.5	25.28	21	95.6	G5	GC	23595	C -3212737
20	10.8	9.3W	23 18.621	-0.0002	21	-31 26 24.81	-0.027	21	0.44	18.625	22	31.5	24.31	21	31.5	K2	C7	9217	C -3114026
21		7.8T	23 22.713	0.0013	15	-34 2 58.86	0.004	13	0.72	22.653	18	01.5	59.05	18	00.4	B9	GC	23600	C -3312069
22	8.6	8.6W	23 22.748	-0.0015	21	-31 34 1.77	0.025	21	0.44	22.775	22	31.5	2.22	21	31.5	A0	C7	9219	C -3114027
23	10.2	9.7W	23 24.189	-0.0042	21	-33 46 16.37	0.074	21	0.44	24.267	22	31.5	17.75	21	31.5	F2	C7	9220	C -3312071
24	7.6	7.7W	23 26.056	-0.0016	21	-31 58 46.37	-0.051	21	0.44	26.085	22	31.5	45.42	21	31.5	A0	C7	9221	C -3114029
25	9.0	8.3W	23 32.437	-0.0022	21	-32 32 23.72	0.049	21	0.44	32.477	22	31.5	24.64	21	31.5	B9	C7	9222	C -3212739
26	10.3	10.2W	23 38.447	0.0012	21	-31 23 31.38	0.034	21	0.44	38.425	22	31.5	32.01	21	31.5	A0	C7	9223	C -3114032
27	10.6	9.7W	23 38.942	0.0052	18	-36 30 33.13	-0.010	18	0.32	38.867	15	35.6	32.99	21	35.6		C8	8718	C -3611510
28		9.4W	23 39.445	0.0027	13	-35 59 24.94	-0.018	13	0.26	39.406	15	35.6	24.69	21	35.6	A0 L	C8	8719	C -3511570
29	11.0	8.6W	23 42.334	0.0005	21	-31 2 57.97	0.013	21	0.44	42.325	22	31.5	58.20	21	31.5	K0	C7	9224	C -3014203
30	10.5	8.8W	23 42.434	-0.0011	13	-39 38 4.62	-0.023	13	0.26	42.449	15	35.6	4.29	21	35.6	K5	C8	8720	C -3911470
31	8.8	8.8W	23 43.125	-0.0015	21	-30 2 58.75	0.034	21	0.44	43.153	22	31.5	59.38	21	31.5	A	C7	9225	C -2913547
32	8.4	7.9W	23 57.149	-0.0158	05	-38 1 11.07	-0.027	05	0.20	57.377	15	35.6	10.69	21	35.6	G5	C8	8723	C -3711584
33	9.8	9.4W	24 3.560	-0.0011	13	-36 23 10.59	-0.028	13	0.26	3.576	15	35.6	10.19	21	35.6	F8	C8	8724	C -3611516
34	10.0	8.9W	24 4.485	0.0018	13	-39 41 19.30	-0.015	13	0.26	4.459	15	35.6	19.09	21	35.6	K0	C8	8725	C -3911480
35	8.6	8.4W	24 5.146	-0.0082	21	-32 30 15.87	-0.078	21	0.44	5.297	22	31.5	14.44	21	31.5	F5	C7	9226	C -3212748
36	9.6	9.7W	24 10.467	0.0000	13	-37 30 45.44	-0.011	13	0.26	10.467	15	35.6	45.29	21	35.6	A0	C8	8728	C -3711585
37	10.7	9.5W	24 15.445	-0.0014	06	-35 3 6.31	-0.009	06	0.20	15.465	15	35.6	6.19	21	35.6	F0 L	C8	8729	C -3411700
38		6.7T	24 17.522	-0.0002	15	-37 8 38.19	0.018	12	0.70	17.533	19	02.1	39.07	19	99.9	K0	GC	23633	C*-3711589
39		9.6W	24 18.606	-0.0020	13	-35 20 56.53	-0.052	13	0.26	18.635	15	35.6	55.79	21	35.6	K5 L	C8	8731	C -3511576
40	9.8	9.8W	24 21.755	-0.0029	18	-38 18 48.41	-0.016	18	0.32	21.797	15	35.6	48.19	21	35.6	A2	C8	8732	C -3811901
41	10.9	9.8W	24 23.705	-0.0001	13	-35 47 55.04	-0.032	13	0.26	23.706	15	35.6	54.59	21	35.6		C8	8733	C -3511578
42	9.0	7.7W	24 24.866	0.0007	05	-36 29 4.70	-0.007	05	0.20	24.856	15	35.6	4.59	21	35.6	K0	C8	8734	C -3611526
43	10.4	9.8W	24 25.191	-0.0036	21	-34 33 39.18	0.074	21	0.44	25.259	22	31.5	40.55	21	31.5	B8	C7	9227	C -3411703
44	10.3	9.6W	24 33.595	-0.0115	21	-34 55 15.96	-0.087	21	0.44	33.809	22	31.5	14.36	21	31.5	F8	C7	9228	C -3411704
45	8.9	8.7W	24 39.780	-0.0019	13	-38 2 1.27	-0.069	13	0.26	39.807	15	35.6	0.29	21	35.6	F8	C8	8736	C -3711594
46	7.4	7.7W	24 40.142	0.0010	13	-36 50 28.64	-0.011	13	0.26	40.127	15	35.6	28.49	21	35.6	B8	C8	8737	C -3611531
47	9.9	9.6W	24 45.890	-0.0030	21	-32 26 32.26	-0.007	21	0.44	45.945	22	31.5	32.12	21	31.5	F0	C7	9229	C -3212762
48	10.3	9.2W	24 49.362	0.0009	21	-32 8 27.29	0.002	21	0.44	49.345	22	31.5	27.32	21	31.5	K0	C7	9230	C -3212765
49	9.6	9.6W	24 50.484	-0.0011	21	-31 29 57.94	-0.018	21	0.44	50.505	22	31.5	57.61	21	31.5	A0	C7	9231	C -3114059
50	10.9	9.6W	24 51.359	-0.0028	13	-39 59 56.52	-0.030	13	0.26	51.399	15	35.6	56.09	21	35.6		C8	8739	C -3911497
51	10.3	8.9W	17 24 55.741	-0.0009	21	-34 34 13.36	-0.022	21	0.44	55.759	22	31.5	12.95	21	31.5	K5	C7	9232	C -3411710
52		7.7T	24 58.043	0.0002	13	-31 9 59.22	0.014	13	0.70	58.033	18	99.1	59.96	18	98.6	K2	GC	23646	C -3114063
53	10.2	9.8W	25 14.055	-0.0049	21	-32 13 29.21	0.028	21	0.44	14.145	22	31.5	29.72	21	31.5	A2	C7	9234	C -3212773
54	9.6	8.9W	25 19.504	-0.0037	18	-37 53 28.32	0.018	18	0.32	19.557	15	35.6	28.59	21	35.6	A3	C8	8741	C -3711603
55	9.0	9.0W	25 22.378	-0.0005	21	-33 32 33.52	0.017	21	0.44	22.388	22	31.5	33.84	21	31.5	B8	C7	9235	C -3312096
56	9.1	9.2W	25 23.470	0.0014	21	-30 52 46.62	0.032	21	0.44	23.445	22	31.5	47.21	21	31.5	A0	C7	9236	C -3014252
57		7.7T	25 26.886	-0.0018	10	-31 20 36.80	0.007	09	0.55	26.983	18	95.9	37.22	18	93.0	F0	GC	23659	C -3114077
58	10.4	10.3W	25 31.844	0.0020	13	-35 9 48.70	0.013	13	0.26	31.815	15	35.6	48.89	21	35.6	A0	C8	8742	C -3511600
59		7.6T	25 32.203	0.0010	16	-30 53 31.58	-0.035	12	0.66	32.158	17	05.0	29.97	18	03.4	A0	GC	23663	C -3014256
60		6.0T	25 32.873	0.0002	11	-36 44 18.69	-0.010	09	0.59	32.864	17	95.3	18.09	17	92.8	K0	GC	23664	C -3611546
61	9.9	9.6W	25 33.127	-0.0060	21	-34 43 14.06	-0.017	21	0.44	33.239	22	31.5	13.75	21	31.5	A0	C7	9239	C -3411716
62	9.7	9.7W	25 38.735	-0.0022	21	-31 32 9.68	0.019	21	0.44	38.775	22	31.5	10.02	21	31.5	A0	C7	9240	C -3114081
63	9.8	8.3W	25 39.942	-0.0025	18	-39 3 6.53	-0.010	18	0.32	39.978	15	35.6	6.39	21	35.6	K0	C8	8744	C -3811921
64	10.4	10.1W	25 45.443	-0.0060	13	-39 31 4.98	-0.021	13	0.26	45.529	15	35.6	4.69	21	35.6	A2	C8	8745	C -3911514
65		8.2T	25 45.613	0.0002	11	-32 57 54.91	-0.021	10	0.56	45.601	18	99.3	53.80	18	97.2	B5	GC	23671	C -3212786
66			25 45.932	0.0038	18	-36 59 45.00	-0.036	18	0.32	45.877	15	35.6	44.49	21	35.6		C8	8746	C -3611551
67	10.1	9.6W	25 47.453	-0.0007	21	-31 43 34.21	-0.123	21	0.44	47.465	22	31.5	31.92	21	31.5	G0	C7	9242	C -3114087
68	8.9	8.5W	25 53.795	-0.0016	13	-38 36 18.79	-0.056	13	0.26	53.818	15	35.6	17.99	21	35.6	F8	C8	8748	C -3811925
69		6.8T	25 58.448	-0.0021	12	-31 29 43.48	-0.020	09	0.59	58.556	18	98.6	42.39	17	94.1	B3	GC	23672	C*-3114091
70		6.4T	25 59.148	0.0027	16	-38 28 39.80	0.019	13	0.76	59.020	22	01.8	40.76	21	98.0	A2	GC	23673K	C*-3811927
71	10.3	9.5W	25 59.748	-0.0013	13	-36 51 42.27	-0.019	13	0.26	59.767	15	35.6	41.99	21	35.6	F5	C8	8750	C -3611558
72	9.1	8.5W	26 7.488	0.0033	21	-33 43 13.16	-0.039	21	0.44	7.427	22	31.5	12.45	21	31.5	G5	C7	9244	C -3312107
73	9.9	9.7W	26 8.986	-0.0014	13	-35 39 9.15	-0.060	13	0.26	9.006	15	35.6	8.29	21	35.6	A2	C8	8751	C -3511610
74	9.5	9.5W	26 16.738	0.0008	13	-35 44 5.98	0.021	13	0.26	16.726	15	35.6	6.29	21	35.6	A0	C8	8752	C -3511614
75	9.6	9.4W	26 19.264	-0.0006	21	-31 15 49.69	0.066	21	0.44	19.275	22	31.5	50.91	21	31.5	F0	C7	9245	C -3114098
76	10.2	8.5W	26 19.291	-0.0011	13	-37 14 16.30	-0.036	13	0.26	19.307	15	35.6	15.79	21	35.6	MA	C8	8753	C -3711620
77	10.1	9.7W	26 21.810	-0.0030	21	-31 43 15.87	-0.008	21	0.44	21.865	22	31.5	15.72	21	31.5	B3	C7	9246	C -3114099
78	10.4	9.8W	26 22.629	-0.0025	21	-31 53 0.46	-0.083	21	0.44	22.675	22	31.5	-58.92	21	31.5	F2	C7	9247	C -3114100
79	10.0	8.3W	26 22.775	0.0004	13	-39 40 2.23	-0.002	13	0.26	22.769	15	35.6	2.19	21	35.6	K2	C8	8754	C -3911518
80	8.3	8.5W	26 39.923	0.0011	06	-37 0 55.70	-0.050	06	0.20	39.907	15	35.6	54.99	21	35.6	B8	C8	8755	C -3611569
81		6.7T	26 47.627	-0.0008	12	-33 40 41.68	-0.011	11	0.58	47.668	17	01.1	41.13	15	00.1	B5	GC	23682K	C*-3312117
82	8.6	8.8W	26 49.723	0.0024	10	-38 36 45.68	0.000	10	0.23	49.688	15	35.6	45.69	21	35.6	A0	C8	8756	C -3811937
83	9.4	9.4W	26 49.849	-0.0042	21	-33 39 49.64	0.011	21	0.44	49.928	22	31.6	49.84	21	31.6	B8	C7	9249	C -3312118
84	11.5	9.4W	26 51.782	0.0018	13	-35 36 23.01	-0.002	13	0.26	51.756	15	35.6	22.99	21	35.6		C8	8757	C -3511630
85	8.1	8.2W	26 54.226	-0.0035	13	-35 49 18.37	-0.027	13	0.26	54.276	15	35.6	17.99	21	35.6	A0	C8	8758	C -3511632
86	8.5	8.4W	26 55.683	-0.0031	13	-37 40 42.85	-0.012	13	0.26	55.727	15	35.6	42.69	21	35.6	A2	C8	8759	C -3711631
87	10.1	9.1W	26 57.398	-0.0007	10	-38 54 46.11	-0.023	10	0.23	57.408	15	35.6	45.79	21	35.6	K0	C8	8760	C -3811939
88	8.7	9.0W	26 59.381	-0.0028	21	-30 13 11.46	0.001	21	0.44	59.434	22	31.6	11.48	21	31.6	A0	C7	9250	C -3014296
89	8.9	7.4W	27 0.331	0.0014	21	-32 5 1.39	0.002	21	0.44	0.305	22	31.6	1.42	21	31.6	K5	C7	9251	C -3212820
90	9.7	8.6W	27 0.615	-0.0012	21	-34 26 31.55	0.043	21	0.44	0.638	22	31.6	32.35	21	31.6	K2	C7	9252	C -3411730
91	9.4	9.0W	27 5.004	-0.0011	21	-31 24 51.63	0.004	21	0.44	5.025	22	31.6	51.71	21	31.6	F8	C7	9253	C -3114124
92	8.8	8.5W	27 9.449	-0.0006	18	-38 28 53.61	-0.016	18	0.32	9.457	15	35.6	53.39	21	35.6	F8	C8	8761	C -3811945
93	8.6	7.9W	27 11.292	-0.0009	21	-34 30 4.05	0.000	21	0.44	11.309	22	31.6	4.05	21	31.6		C7	9254	C -3411732
94	11.1	9.0W	27 14.872	-0.0003	21	-32 53 28.78	0.008	21	0.44	14.877	22	31.6	28.94	21	31.6	M0	C7	9255	C -3212824
95	9.4	8.5W	27 15.514	-0.0007	21	-33 36 59.23	0.017	21	0.44	15.527	22	31.6	59.55	21	31.6	K0	C7	9256	C -3312122
96		2.8H	27 21.662	-0.0001	03	-37 15 28.57	-0.032	02	0.12	21.666	06	11.5	27.36	06	11.9	B3	F4	649	C -3711638
97		6.7T	27 23.638	0.0016	18	-37 23 56.48	-0.025	14	0.82	23.563	17	02.2	55.19	19	99.1	A0	GC	23694	C -3711639
98		7.7T	27 24.932	0.0020	18	-32 1 27.40	-0.010	20	0.91	24.835	17	02.1	26.94	18	03.3	A0	GC	23695	C -3114133
99			27 30.546	-0.0022	21	-33 34 19.92	0.039	21	0.44	30.588	22	31.6	20.65	21	31.6	F5	C7	9258V	C*-3312126
00	10.3	9.7W	27 31.936	-0.0038	21	-31 32 54.44	-0.028	21	0.44	32.005	22	31.6	53.92	21	31.6	G0	C7	9259	C -3114136

208900	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-30° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″		s	″ .01		″	″ .01					
1	9.7	7.9W	17 27 44.572	0.0018	13	-35 51 47.68	-0.055	13	0.26		44.546	15	35.6	46.89	21	35.6	MA	C8	8764	C -3511645
2	8.7	8.4W	27 46.774	-0.0011	13	-39 56 15.74	0.017	13	0.26		46.789	15	35.6	15.99	21	35.6	GO	C8	8765	C -3911542
3	7.4	7.2W	27 52.131	-0.0005	09	-38 58 53.57	0.001	09	0.22		52.138	15	35.6	53.59	21	35.6	F8	C8	8766	C -3811954
4	8.2	8.0W	27 52.199	-0.0027	13	-39 7 43.34	0.010	13	0.26		52.238	15	35.6	43.69	21	35.6	F2	C8	8767	C -3911544
5		9.2R	27 56.235	0.0054	20	-30 17 8.45	-0.043	20	0.36		56.145	16	33.6	7.74	16	33.6	M0 J	13B	11077	J -3014322
6	8.4	8.4W	27 59.446	-0.0050	21	-33 18 31.78	0.008	21	0.44		59.537	22	31.6	31.94	21	31.6	A5	C7	9260	C -3312134
7	8.7	8.4W	28 1.704	-0.0030	13	-36 42 32.21	-0.016	13	0.26		1.747	15	35.6	31.99	21	35.6	F0	C8	8769	C -3611594
8	9.9	8.9W	28 3.470	-0.0034	21	-30 3 16.64	-0.003	21	0.44		3.533	22	31.6	16.58	21	31.6	K2	C7	9261	C -2913651
9	9.4	9.3W	28 5.513	-0.0034	21	-32 17 59.42	-0.027	21	0.44		5.575	22	31.6	58.92	21	31.6	A2	C7	9262	C -3212046
10	7.6	7.9W	28 7.661	0.0002	18	-38 36 37.89	-0.026	18	0.32		7.658	15	35.6	37.49	21	35.6	A0	C8	8770	C -3811962
11	7.9	8.1W	28 8.832	-0.0018	21	-31 56 0.41	-0.059	21	0.44		8.865	22	31.6	59.32	21	31.6	B8	C7	9263	C -3114155
12	10.2	8.5W	28 12.689	-0.0033	13	-36 2 25.54	-0.011	13	0.26		12.736	15	35.6	25.39	21	35.6	K5	C8	8771	C -3511653
13	9.7	9.6W	28 20.525	-0.0016	21	-31 27 22.91	-0.022	21	0.44		20.555	22	31.6	22.51	21	31.6	A0	C7	9264	C -3114163
14	10.4	8.7W	28 22.143	-0.0007	21	-31 50 10.03	0.027	21	0.44		22.155	22	31.6	10.52	21	31.6	K5	C7	9265	C -3114165
15	11.3	10.0W	28 22.714	-0.0044	21	-30 42 14.58	0.007	21	0.44		22.795	22	31.6	14.71	21	31.6	G5	C7	9266	C -3014332
16	7.9	8.0W	28 23.121	-0.0039	21	-30 12 33.47	-0.005	21	0.44		23.193	22	31.6	33.38	21	31.6	B5	C7	9267	C -3014333
17	11.0	9.8W	28 23.286	-0.0007	13	-35 56 29.32	0.011	13	0.26		23.296	15	35.6	29.49	21	35.6	K0 L	C8	8774	C -3511655
18	9.3	8.2W	28 23.304	-0.0021	21	-30 15 23.50	-0.017	21	0.44		23.343	22	31.6	23.19	21	31.6	K0	C7	9268	C -3014334
19	9.4	9.2W	28 27.974	-0.0034	21	-34 5 42.37	-0.018	21	0.44		28.037	22	31.6	42.05	21	31.6	A3	C7	9269	C -3411746
20	9.5	9.5W	28 28.927	-0.0028	13	-37 19 30.33	-0.024	13	0.26		28.967	15	35.6	29.99	21	35.6	A0	C8	8776	C -3711653
21		6.5T	28 29.477	-0.0003	10	-33 39 58.84	-0.016	11	0.55		29.495	15	98.6	58.04	15	99.6	K0	GC	23721	C -3312149
22	8.6	8.6W	28 31.243	-0.0017	18	-37 38 44.57	0.001	18	0.32		31.267	15	35.6	44.59	21	35.6	B8	C8	8777	C -3711654
23	8.9	8.9W	28 33.291	-0.0031	21	-32 51 17.10	0.034	21	0.44		33.347	22	31.6	17.74	21	31.6	B5	C7	9271	C -3212055
24	10.0	9.5W	28 37.600	-0.0008	21	-31 28 39.71	-0.120	21	0.44		37.615	22	31.6	37.51	21	31.6	G0	C7	9272	C -3114170
25	8.0	8.2W	28 43.907	0.0013	21	-30 21 53.42	0.047	21	0.44		43.883	22	31.6	54.28	21	31.6	B8	C7	9273	C -3014346
26	9.0	8.9W	28 45.610	-0.0004	13	-36 7 30.51	0.012	13	0.26		45.616	15	35.6	30.69	21	35.6	A2	C8	8778	C -3611614
27		8.4T	28 46.631	0.0000	12	-31 47 28.43	-0.004	09	0.59		46.629	18	97.9	28.21	18	93.2	B8	GC	23729	C -3114174
28	8.5	7.9W	28 52.656	0.0000	21	-31 30 47.81	0.023	21	0.44		52.655	22	31.6	48.22	21	31.6	B0	C7	9275	C -3114178
29	9.0	9.3W	28 55.827	-0.0022	13	-38 37 21.37	-0.027	13	0.26		55.858	15	35.6	20.99	21	35.6	B9	C8	8779	C -3811980
30	9.1	8.9W	28 57.607	-0.0043	21	-32 14 50.40	-0.031	21	0.44		57.685	22	31.6	49.82	21	31.6	F8	C7	9276	C -3212866
31	9.6	9.8W	28 57.979	-0.0012	06	-36 7 54.23	-0.010	06	0.20		57.996	15	35.6	54.09	21	35.6	A3	C8	8780	C -3611617
32	9.2	8.5W	29 1.761	-0.0004	08	-36 39 46.70	-0.043	08	0.22		1.767	15	35.6	46.09	21	35.6	B5	C8	8781	C -3611620
33	9.6	8.9W	29 3.334	-0.0013	21	-33 18 15.76	0.020	21	0.44		3.357	22	31.6	16.14	21	31.6	B0	C7	9277	C -3312155
34	8.3	8.3W	29 5.012	0.0016	21	-30 25 29.85	0.007	21	0.44		4.983	22	31.6	29.98	21	31.6	A5	C7	9278	C -3014353
35		6.3T	29 5.688	-0.0013	11	-34 14 36.99	-0.040	10	0.57		5.758	18	97.6	34.80	18	95.2	F2	GC	23737	C -3411757
36	9.7	8.6W	29 15.205	-0.0002	06	-39 10 50.70	-0.015	06	0.20		15.208	15	35.6	50.49	21	35.6	K0	C8	8782	C -3911574
37	10.9	9.0W	29 15.240	0.0003	13	-35 55 28.63	0.032	13	0.26		15.236	15	35.6	29.09	21	35.6	K2 L	C8	8783	C -3511672
38	9.9	9.6W	29 16.377	-0.0013	13	-35 9 1.66	-0.040	13	0.26		16.395	15	35.6	1.09	21	35.6	A2	C8	8784	C -3511673
39	8.7	9.0W	29 17.926	-0.0099	21	-34 58 5.57	-0.110	21	0.44		18.109	22	31.6	3.55	21	31.6	B8	C7	9280	C -3411759
40	9.6	8.0W	29 19.590	-0.0020	21	-33 45 40.40	-0.025	21	0.44		19.628	22	31.6	39.94	21	31.6	K5	C7	9281	C -3312159
41	9.9	8.7W	29 22.494	-0.0021	21	-30 5 2.42	-0.002	21	0.44		22.534	22	31.6	2.39	21	31.6	K5	C7	9282	C -3014361
42	10.8	9.2W	29 44.381	-0.0018	21	-31 4 38.64	0.008	21	0.44		44.415	22	31.6	38.81	21	31.6	M0	C7	9283	C -3114200
43	8.2	7.5W	29 47.021	-0.0077	21	-30 20 33.90	-0.039	21	0.44		47.163	22	31.6	33.18	21	31.6	K0	C7	9285	C -3014369
44	10.3	9.9W	29 47.076	-0.0010	21	-31 21 14.15	-0.002	21	0.44		47.095	22	31.6	14.11	21	31.6	A5	C7	9284	C -3114201
45		7.1T	29 49.150	0.0006	10	-33 1 23.78	-0.015	08	0.49		49.116	15	97.4	22.99	15	96.8	B3	GC	23751	C -3212883
46	9.2	9.4W	29 49.527	0.0000	18	-38 21 1.18	-0.028	18	0.32		49.527	15	35.6	0.79	21	35.6	A0	C8	8785	C -3811989
47		9.0T	29 50.653	0.0035	26	-31 56 40.54	0.058	26	1.21		50.486	18	02.7	43.25	19	03.3	F8	GC	23753	C -3114202
48	10.2	9.4W	29 52.090	0.0002	13	-36 50 30.69	-0.041	13	0.26		52.087	15	35.6	30.09	21	35.6	A8 L	C8	8786	C -3611642
49	9.9	9.1W	29 55.111	-0.0017	13	-35 35 49.70	-0.029	13	0.26		55.136	15	35.6	49.29	21	35.6	G5	C8	8787	C -3511684
50		9.4T	30 0.663	0.0010	12	-34 20 43.98	0.023	11	0.64		0.611	22	00.6	45.18	21	98.2	A0	GC	23760	C -3411769
51	10.0	8.8W	17 30 8.285	-0.0012	21	-31 3 38.94	-0.008	21	0.44		8.307	22	31.6	38.80	21	31.6	K2	C7	9289	C -3114215
52		8.8W	30 8.724	0.0003	18	-37 2 47.85	-0.047	18	0.32		8.720	15	35.6	47.17	21	35.6		C8	8790	C -3611635
53	10.3	9.3W	30 10.955	-0.0045	21	-31 39 29.11	0.022	21	0.44		11.038	22	31.6	29.51	21	31.6	G0	C7	9290	C -3114216
54		1.7H	30 12.626	0.0001	02	-37 4 9.63	-0.029	02	0.09		12.621	04	10.2	8.45	04	09.2	B2	F4	652	C -3711673
55	9.3	9.3W	30 14.910	0.0001	21	-33 2 21.45	-0.018	21	0.44		14.909	22	31.6	21.13	21	31.6	A0	C7	9291	C -3212895
56	10.6	9.6W	30 15.860	-0.0038	21	-34 53 13.60	-0.003	21	0.44		15.931	22	31.6	13.55	21	31.6	K0	C7	9292	C -3411772
57	9.7	9.1W	30 19.080	0.0001	13	-35 43 54.16	-0.020	13	0.26		19.079	15	35.6	53.87	21	35.6	G5	C8	8793	C -3511691
58	10.4	9.0W	30 19.344	-0.0007	21	-30 36 21.62	0.010	21	0.44		19.357	22	31.6	21.80	21	31.6	G5	C7	9293	C -3014384
59	10.3	9.9W	30 20.654	-0.0017	13	-35 36 10.82	-0.038	13	0.26		20.679	15	35.6	10.27	21	35.6	G5	C8	8794	C -3511692
60	11.1	9.6W	30 26.308	-0.0027	21	-31 55 24.35	-0.018	21	0.44		26.358	22	31.6	24.01	21	31.6	M0	C7	9294	C -3114222
61	9.3	9.6W	30 28.607	-0.0023	13	-38 28 4.25	-0.040	13	0.26		28.640	15	35.6	3.67	21	35.6	A0	C8	8796	C -3812002
62	7.8	8.0W	30 37.511	-0.0010	21	-34 2 35.80	-0.015	21	0.44		37.530	22	31.6	35.53	21	31.6	A2	C7	9295	C -3312184
63	10.9	9.6W	30 40.991	-0.0012	09	-35 54 47.51	-0.023	09	0.22		41.009	15	35.6	47.17	21	35.6	K2	C8	8797	C -3511696
64	10.9	9.5W	30 46.572	-0.0009	13	-35 35 20.78	-0.049	13	0.26		46.559	15	35.6	20.07	21	35.6		C8	8798	C -3511702
65	7.1	7.4W	30 48.959	-0.0025	21	-30 22 39.45	0.001	21	0.44		49.006	22	31.6	39.47	21	31.6	B2	C7	9296	C -3014399
66		9.1R	30 50.695	-0.0003	21	-30 20 35.69	-0.038	21	0.38		50.699	16	33.6	35.06	16	33.6		13B	11122	J -3014402
67	7.5	7.6W	30 52.727	0.0013	13	-35 42 1.46	-0.006	13	0.26		52.709	15	35.6	1.37	21	35.6	B8	C8	8800	C -3511704
68	9.6	8.6W	30 53.665	-0.0001	21	-31 1 57.50	0.038	21	0.44		53.667	22	31.6	58.20	21	31.6	K2	C7	9297	C -3014403
69	9.1	9.2W	30 57.444	-0.0004	21	-36 41 6.63	0.024	10	0.23		57.450	15	35.6	6.97	21	35.6	A2	C8	8801	C -3611650
70	11.0	9.3W	30 59.517	-0.0017	21	-31 43 33.41	0.044	21	0.44		59.548	22	31.6	34.21	21	31.6	M2	C7	9298	C -3114233
71	9.9	9.7W	31 0.460	0.0006	10	-39 2 51.65	-0.026	10	0.23		0.451	15	35.6	51.27	21	35.6	B9	C8	8803	C -3812010
72			31 8.431	-0.0004	21	-32 28 17.54	-0.012	21	0.44		8.438	22	31.6	17.31	21	31.6	B5	C7	9299V	C*-3212924
73	9.3	8.9W	31 20.398	-0.0017	21	-33 37 48.79	-0.036	21	0.44		20.429	22	31.6	48.13	21	31.6	G5	C7	9300	C -3312205
74	9.5	9.2W	31 21.632	-0.0112	21	-32 8 44.15	-0.154	21	0.44		21.838	22	31.6	41.31	21	31.6	G0	C7	9301	C -3212932
75		7.1T	31 24.044	0.0018	10	-31 50 21.51	-0.006	08	0.48		23.953	15	99.8	21.22	14	98.2	K0	GC	23802	C -3114242
76	8.7	8.8W	31 25.955	-0.0039	21	-31 16 41.88	-0.037	21	0.44		26.027	22	31.6	41.20	21	31.6	A0	C7	9303	C -3114243
77		5.7T	31 26.334	0.0007	06	-32 32 56.62	-0.006	05	0.29		26.300	10	02.7	56.34	10	01.0	QE5	GC	23804K	C*-3212935
78	7.8	8.1W	31 28.591	-0.0021	21	-34 52 33.97	0.031	21	0.44		28.630	22	31.6	34.54	21	31.6	B9	C7	9305	C -3411793
79	9.2	9.3W	31 29.779	-0.0014	21	-30 11 49.01	0.036	21	0.44		29.806	22	31.6	49.67	21	31.6	A0	C7	9306	C -3014420
80		6.6T	31 39.177	-0.0005	14	-38 46 2.83	0.039	12	0.67		39.203	18	02.1	4.83	19	98.5	K0	GC	23809	C -3812018
81	10.2	9.8W	31 41.430	-0.0047	21	-30 32 22.35	-0.019	21	0.44		41.517	22	31.6	22.00	21	31.6	F8	C7	9307	C -3014421
82	9.8	9.5W	31 41.469	0.0005	13	-39 49 7.13	0.003	13	0.26		41.462	15	35.6	7.17	21	35.6	F5	C8	8806	C -3911623
83	10.4	9.0W	31 49.063	0.0013	21	-33 39 19.88	0.008	21	0.44		49.040	22	31.6	20.03	21	31.6	B9	C7	9308	C -3312216
84	8.9	9.0W	31 50.994	-0.0012	13	-36 45 48.20	-0.016	13	0.26		51.011	15	35.6	47.97	21	35.6	A0	C8	8808	C -3812024
85	10.5	10.2W	31 51.957	0.0000	21	-31 26 47.34	0.014	21	0.44		51.957	22	31.6	47.60	21	31.6	A3	C7	9309	C -3114248
86	10.4	9.7W	31 54.966	-0.0061	21	-32 12 58.48	-0.036	21	0.44		55.078	22	31.6	57.81	21	31.6	G0	C7	9310	C -3212955
87	10.8	10.2W	31 57.932	-0.0331	08	-35 56 6.77	-0.319	08	0.22		58.409	15	35.6	2.17	21	35.6	K2 L	C8	8809	C -3511724
88	8.6	8.7W	31 58.733	-0.0005	13	-36 52 40.77	-0.000	13	0.26		58.740	15	35.6	40.77	21	35.6	B8	C8	8810	C -3611665
89	9.6	8.6W	31 59.366	-0.0010	21	-30 10 4.68	0.021	21	0.44		59.386	22	31.6	5.07	21	31.6	K0	C7	9311	C -3014431
90	10.0	9.8W	32 0.232	-0.0003	21	-31 22 4.75	0.019	21	0.44		0.237	22	31.6	5.10	21	31.6	A0	C7	9312	C -3114254
91	9.6	8.6W	32 0.709	0.0014	06	-35 30 3.78	-0.007	06	0.20		0.689	15	35.6	3.67	21	35.6	K0	C8	8811	C -3511726
92	9.5	8.0W	32 3.953	-0.0011	13	-36 28 18.58	-0.014	13	0.26		3.969	15	35.6	18.37	21	35.6	K2	C8	8812	C -3611668
93	8.1	7.9W	32 5.060	-0.0055	06	-37 48 55.46	-0.027	06	0.20		5.140	15	35.6	55.07	21	35.6	A5	C8	8813	C -3711699
94	8.4	8.6W	32 6.225	-0.0010	10	-37 15 8.45	-0.047	10	0.23		6.240	15	35.6	7.77	21	35.6	B5	C8	8814	C -3711700
95	8.6	8.9W	32 7.850	-0.0008	13	-38 48 39.85	-0.019	13	0.26		7.861	15	35.6	39.57	21	35.6	A0	C8	8815	C -3812030
96	8.5	8.7W	32 8.500	-0.0037	21	-31 47 4.88	0.078	21	0.44		8.568	22	31.6	6.31	21	31.6	B9	C7	9313	C*-3114257
97	10.2	9.4W	32 8.953	0.0009	13	-36 51 1.24	-0.039	13	0.26		8.940	15	35.6	0.67	21	35.6	G0 L	C8	8816	C -3611671
98	9.3	8.4W	32 13.595	-0.0008	21	-33 42 29.56	-0.018	21	0.44		13.610	22	31.6	29.23	21	31.6	B	C7	9314	C -3312228
99	9.0	8.1W	32 14.482	-0.0020	08	-38 33 50.76	0.008	08	0.22		14.511	15	35.6	50.87	21	35.6	K0	C8	8818	C -3812031
00	10.0	8.7W	32 17.678	0.0020	13	-37 58 31.66	-0.095	13	0.26		17.650	15	35.6	30.87	21	35.6	K0	C8	8819	C -3711701

209000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 17H DM NUMBER
1		6.6T	17 32 18.502	-0.0011	09	-37 24 28.62	-0.039	08	0.37	18.548	12	09.8	27.03	12	09.1	A0		GC	23828	C -3711702
2	11.0	8.8W	32 28.271	0.0014	21	-30 18 26.82	-0.019	21	0.44	28.245	22	31.6	26.47	21	31.6	M0		C7	9315	C -3014447
3		7.6T	32 30.923	0.0025	16	-38 26 30.09	-0.021	13	0.76	30.805	22	82.1	29.02	21	98.4	K2		GC	23833	C -3812035
4		7.0T	32 34.916	-0.0009	17	-38 4 13.52	-0.054	13	0.77	34.960	22	02.9	10.76	21	98.9	A3		GC	23834	C*-3812037
5	10.0	9.0W	32 36.121	0.0006	21	-33 7 3.05	-0.034	21	0.44	36.109	22	31.6	2.43	21	31.6	G5		C7	9316	C -3312236
6	8.4	8.6W	32 36.251	-0.0010	21	-33 49 3.44	0.021	21	0.44	36.270	22	31.6	3.83	21	31.6	B9		C7	9317	C -3312235
7		8.4T	32 36.660	-0.0031	13	-39 18 2.65	0.006	11	0.49	36.778	17	12.5	2.89	17	10.4	K5		GC	23836	C -3911639
8	10.1	8.5W	32 38.779	0.0016	21	-33 24 5.14	-0.034	21	0.44	38.749	22	31.6	4.53	21	31.6	K5		C7	9318	C -3312237
9	8.2	8.4W	32 41.521	0.0001	08	-36 44 51.06	-0.041	08	0.22	41.520	15	35.6	50.47	21	35.6	B8		C8	8824	C -3611681
10	9.9	9.8W	32 46.068	-0.0022	21	-31 34 31.79	0.007	21	0.44	46.108	22	31.6	31.91	21	31.6	A0		C7	9319	C -3114273
11	10.4	9.2W	32 47.114	-0.0003	13	-36 11 28.22	-0.031	13	0.26	47.119	15	35.6	27.77	21	35.6	K0		C8	8825	C -3611684
12	9.0	9.4W	32 49.032	-0.0014	13	-39 36 43.44	-0.025	13	0.26	49.052	15	35.6	43.07	21	35.6	A0		C8	8826	C -3911642
13	10.2	9.1W	32 54.890	-0.0021	21	-33 51 53.33	0.038	21	0.44	54.930	22	31.6	54.03	21	31.6	B		C7	9320	C -3312242
14	10.2	8.7W	32 55.092	-0.0015	21	-33 27 27.31	0.033	21	0.44	55.119	22	31.6	27.93	21	31.6	B		C7	9321	C -3312244
15	8.9	8.4W	32 58.953	0.0029	21	-33 16 32.01	0.006	21	0.44	58.899	22	31.6	32.13	21	31.6	B		C7	9322	C -3312246
16	9.9	8.9W	32 59.903	-0.0002	21	-30 30 39.29	-0.016	21	0.44	59.907	22	31.6	39.00	21	31.6	K2		C7	9323	C -3014458
17	11.2	9.9W	33 2.939	0.0001	13	-35 29 30.49	-0.022	13	0.26	2.938	15	35.6	30.17	21	35.6	K0	L	C8	8827	C -3511740
18	8.9	9.1W	33 3.319	0.0005	21	-32 39 55.09	-0.080	21	0.44	3.309	22	31.6	53.63	21	31.6	B8		C7	9324	C -3212981
19		4.3T	33 6.013	-0.0011	06	-38 36 7.37	-0.201	05	0.27	6.062	12	07.0	-57.83	12	02.5	K0		GC	23846	C*-3812044
20	9.6	8.7W	33 8.939	0.0005	21	-34 34 22.87	-0.067	21	0.44	8.930	22	31.6	21.65	21	31.6	K0		C7	9325	C -3411835
21	10.9	9.5W	33 17.303	-0.0025	21	-34 3 56.99	-0.009	21	0.44	17.349	22	31.6	56.83	21	31.6	K5		C7	9326	C -3411836
22	9.3	8.2W	33 25.071	-0.0034	13	-36 30 9.77	-0.028	13	0.26	25.120	15	35.6	10.17	21	35.6	K0		C8	8829	C -3611696
23	8.3	8.4W	33 26.481	-0.0034	18	-37 24 35.60	-0.002	18	0.32	26.530	15	35.6	35.57	21	35.6	A2		C8	8830	C -3711717
24	9.4	7.9W	33 28.602	-0.0007	13	-39 38 17.92	-0.003	13	0.26	28.612	15	35.6	17.87	21	35.6	K0		C8	8831	C -3911659
25	10.0	9.6W	33 28.678	-0.0016	13	-38 54 15.38	-0.042	13	0.26	28.701	15	35.6	14.77	21	35.6	F5		C8	8832	C -3812049
26	10.5	8.9W	33 36.459	0.0020	13	-36 40 12.36	0.001	13	0.26	36.430	15	35.6	12.37	21	35.6	K0		C8	8833	C -3611699
27	9.7	9.5W	33 41.623	-0.0003	21	-31 32 1.91	0.006	21	0.44	41.628	22	31.6	2.01	21	31.6	A2		C7	9327	C -3114295
28		6.9T	33 43.201	0.0006	11	-32 5 53.23	-0.035	09	0.57	43.169	17	97.0	51.29	17	94.1	A0		GC	23856	C -3213005
29	8.5	8.5W	33 46.155	0.0003	13	-38 45 18.13	-0.004	13	0.26	46.151	15	35.6	18.07	21	35.6	B5		C8	8834	C -3812054
30	10.2	9.8W	33 47.034	-0.0014	21	-32 31 55.93	0.005	21	0.44	47.059	22	31.6	56.03	21	31.6	F0		C7	9329	C -3213007
31	10.5	9.4W	33 48.091	-0.0019	13	-36 8 4.23	-0.018	13	0.26	48.119	15	35.6	3.97	21	35.6	K0	L	C8	8835	C -3611702
32	8.8	8.9W	33 53.176	-0.0012	21	-32 11 8.28	-0.014	21	0.44	53.198	22	31.6	8.01	21	31.6	B9		C7	9330	C -3213008
33	10.0	9.4W	33 59.075	-0.0023	21	-31 21 21.34	0.030	21	0.44	59.117	22	31.6	21.90	21	31.6	F5		C7	9331	C -3114303
34		6.5T	34 1.095	-0.0011	17	-38 2 11.49	0.026	13	0.71	1.146	18	05.2	12.74	17	02.4	K0		GC	23864	C -3711723
35	8.2	8.3W	34 1.140	-0.0013	08	-35 41 48.28	-0.021	08	0.22	1.159	15	35.6	47.97	21	35.6	B8		C8	8837	C -3511748
36	10.3	9.0W	34 2.026	0.0006	13	-35 0 40.30	0.026	13	0.26	2.018	15	35.6	40.67	21	35.6	G5		C8	8838	C -3411851
37	10.2	9.9W	34 2.818	-0.0059	21	-31 11 23.42	0.064	21	0.44	2.927	22	31.6	24.60	21	31.6	A2		C7	9332	C -3114308
38	9.0	8.9W	34 4.931	0.0022	13	-37 45 9.53	-0.032	13	0.26	4.900	15	35.6	9.07	21	35.6			C8	8840	C -3711727
39	8.3	8.1W	34 10.045	0.0012	05	-35 18 14.54	-0.025	05	0.20	10.028	15	35.6	14.17	21	35.6	B2		C8	8842	C -3511750
40	9.7	9.3W	34 10.865	-0.0007	21	-32 9 18.18	-0.074	21	0.44	10.878	22	31.6	16.81	21	31.6	F8		C7	9333	C -3213015
41	9.7	9.3W	34 11.967	-0.0028	21	-32 58 14.09	-0.042	21	0.44	12.019	22	31.6	13.33	21	31.6	F5		C7	9334	C -3213014
42	10.1	8.4W	34 12.524	-0.0025	21	-34 36 59.91	-0.031	21	0.44	12.570	22	31.6	59.34	21	31.6	K2		C7	9335	C -3411858
43	10.2	9.4W	34 15.487	-0.0018	21	-34 58 58.72	-0.042	21	0.44	15.520	22	31.6	57.95	21	31.6			C7	9336	C -3411859
44		6.9T	34 18.171	0.0038	09	-34 19 20.01	-0.003	09	0.42	18.005	14	07.0	19.88	15	06.2	F0		GC	23869	C -3411863
45	10.5	9.4W	34 18.584	-0.0012	13	-38 54 44.73	-0.011	13	0.26	18.601	15	35.6	44.57	21	35.6	K0		C8	8844	C -3812065
46	10.0	9.7W	34 20.034	-0.0022	21	-30 8 35.35	-0.048	21	0.44	20.075	22	31.6	34.47	21	31.6	A0		C7	9338	C -3014497
47		7.0T	34 25.796	-0.0017	15	-37 49 50.32	-0.124	13	0.72	25.860	19	01.6	44.03	18	99.2	G5		GC	23873K	C*-3711734
48	9.5	8.9W	34 29.599	-0.0078	13	-39 9 36.95	-0.040	13	0.26	29.711	15	35.6	36.37	21	35.6	G5		C8	8846	C -3911682
49	10.4	9.0W	34 30.292	-0.0010	21	-33 13 5.29	-0.047	21	0.44	30.309	22	31.6	4.43	21	31.6	K5		C7	9339	C -3312284
50	9.1	9.4W	34 33.584	0.0003	13	-37 41 22.60	-0.002	13	0.26	33.580	15	35.6	22.57	21	35.6	A0		C8	8848	C -3711742
51	8.6	8.3W	17 34 37.388	-0.0021	21	-30 52 49.66	-0.014	21	0.44	37.427	22	31.6	49.40	21	31.6	F8		C7	9340	C -3014505
52	10.5	9.6W	34 37.533	-0.0003	09	-35 21 21.38	-0.028	09	0.22	37.538	15	35.6	20.97	21	35.6			C8	8849	C -3511760
53	9.0	9.0W	34 38.691	0.0001	09	-36 32 25.95	-0.061	09	0.22	38.690	15	35.6	25.07	21	35.6	A0		C8	8850	C -3611721
54	9.6	8.5W	34 40.593	-0.0012	18	-37 3 28.63	-0.018	18	0.32	40.610	15	35.6	28.37	21	35.6	K0		C8	8851	C -3711746
55		8.9R	34 44.068	-0.0003	21	-30 0 57.97	0.001	21	0.38	44.073	16	33.6	57.99	16	33.6	A0	J	13B	11165	J -2913805
56	10.9	9.9W	34 46.070	-0.0027	09	-35 34 25.26	-0.034	09	0.22	46.109	15	35.6	24.77	21	35.6			C8	8852	C -3511761
57	9.3	8.3W	34 47.704	-0.0018	09	-36 33 38.22	-0.052	09	0.22	47.730	15	35.6	37.47	21	35.6	K0		C8	8853	C -3611726
58	9.8	9.4W	34 49.312	0.0012	21	-33 27 57.30	-0.026	21	0.44	49.289	22	31.6	56.83	21	31.6	F0		C7	9341	C -3312290
59	7.5	7.9W	34 59.631	-0.0015	21	-32 50 41.69	-0.020	21	0.44	59.659	22	31.6	41.33	21	31.6	B9		C7	9342	C -3213037
60	9.3	9.5W	35 7.577	-0.0016	10	-37 52 51.16	-0.006	10	0.23	7.600	15	35.6	51.07	21	35.6	B5		C8	8854	C -3711755
61	10.0	9.4W	35 8.113	-0.0030	21	-31 58 48.51	-0.032	21	0.44	8.168	22	31.6	47.91	21	31.6	G5		C7	9343	C -3114332
62	8.1	8.4W	35 20.491	-0.0005	21	-33 1 26.41	-0.005	21	0.44	20.499	22	31.6	26.33	21	31.6	B9		C7	9344	C -3213044
63	9.8	9.6W	35 21.498	-0.0001	13	-37 1 39.96	-0.041	13	0.26	21.500	15	35.6	39.37	21	35.6	A5	L	C8	8855	C -3611731
64	9.7	8.7W	35 21.717	-0.0001	21	-34 1 26.04	0.021	21	0.44	21.720	22	31.6	26.43	21	31.6	K2		C7	9345	C -3312301
65	8.4	8.6W	35 23.515	-0.0019	21	-32 57 44.03	-0.006	21	0.44	23.549	22	31.6	43.93	21	31.6	A0		C7	9346	C -3213046
66	9.7	9.3W	35 25.145	-0.0007	21	-32 27 22.28	0.051	21	0.44	25.158	22	31.6	23.21	21	31.6	G0		C7	9347	C -3213047
67		9.6T	35 25.930	0.0015	12	-35 25 30.39	0.005	10	0.61	25.853	22	99.9	30.66	21	96.1	B9		GC	23899	C -3511765
68		8.7R	35 35.200	-0.0040	12	-30 6 12.38	-0.017	12	0.25	35.266	16	33.6	12.10	16	33.6	G5	J	13B	11174	J -3014531
69	8.7	8.6W	35 36.707	0.0013	08	-36 23 12.46	-0.006	08	0.22	36.689	15	35.6	12.37	21	35.6	A2		C8	8857	C -3611736
70	8.5	8.5W	35 37.259	-0.0007	13	-35 57 50.42	-0.017	13	0.26	37.269	15	35.6	50.17	21	35.6	A0		C8	8858	C -3511768
71	9.8	9.8W	35 37.997	-0.0011	21	-31 29 1.44	0.041	21	0.44	38.017	22	31.6	2.20	21	31.6	A0		C7	9349	C -3114342
72	7.6	7.5W	35 39.713	-0.0036	21	-34 27 20.56	-0.089	21	0.44	39.780	22	31.6	18.93	21	31.6	F5		C7	9350	C -3411898
73	8.0	7.1W	35 40.291	-0.0006	07	-37 44 54.06	-0.020	07	0.21	40.300	15	35.6	53.77	21	35.6	K0		C8	8859	C -3711763
74	9.8	9.6W	35 45.160	-0.0008	18	-38 59 37.54	-0.018	18	0.32	45.171	15	35.6	37.27	21	35.6	A0		C8	8861	C -3812085
75	10.2	9.8W	35 45.302	-0.0011	13	-35 26 24.76	0.001	13	0.26	45.318	15	35.6	24.77	21	35.6	B3		C8	8862	C -3511772
76	9.9	9.6W	35 50.857	0.0006	13	-35 55 37.72	-0.024	13	0.26	50.849	15	35.6	37.37	21	35.6	A2		C8	8863	C -3511774
77	10.9	9.3W	36 0.491	0.0018	21	-31 41 56.07	0.008	21	0.44	0.457	22	31.6	56.21	21	31.6	K5		C7	9351	C -3114353
78		7.2T	36 0.859	0.0075	16	-39 19 3.01	-0.027	13	0.76	0.500	21	01.9	1.63	19	98.8	G0		GC	23910	C -3911707
79	10.2	10.0W	36 0.889	-0.0034	13	-35 21 51.82	0.004	13	0.26	0.938	15	35.6	51.87	21	35.6	G0		C8	8865	C -3511777
80	8.3	8.1W	36 2.402	0.0021	13	-39 45 11.28	-0.035	13	0.26	2.372	15	35.6	10.77	21	35.6	F5		C8	8867	C -3911708
81	9.3	9.2W	36 4.717	0.0010	21	-34 6 45.34	-0.033	21	0.44	4.700	22	31.6	44.73	21	31.6	A0		C7	9352	C -3411913
82	11.4	9.2W	36 7.031	-0.0005	06	-35 12 47.97	-0.034	06	0.20	7.038	15	35.6	47.47	21	35.6			C8	8870	C -3511781
83	10.0	9.4W	36 8.947	0.0027	21	-30 47 32.27	-0.026	21	0.44	8.897	22	31.6	31.80	21	31.6	G5		C7	9353	C -3014542
84	9.9	9.5W	36 9.365	0.0019	06	-35 11 35.81	-0.037	06	0.20	9.338	15	35.6	35.27	21	35.6	B		C8	8871	C -3511782
85	9.4	8.6W	36 10.412	0.0007	21	-33 36 16.37	0.003	21	0.44	10.399	22	31.6	16.43	21	31.6	B		C7	9354	C -3312318
86	8.4	8.7W	36 12.460	-0.0054	21	-33 31 34.08	0.008	21	0.44	12.560	22	31.6	34.23	21	31.6	B8		C7	9355	C -3312319
87	9.4	9.3W	36 13.061	-0.0004	21	-32 10 49.19	-0.004	21	0.44	13.068	22	31.6	49.11	21	31.6	A0		C7	9356	C -3213066
88	10.9	9.0W	36 15.198	-0.0021	09	-36 14 5.42	-0.031	09	0.22	15.229	15	35.6	4.97	21	35.6	M2		C8	8872	C -3611746
89	10.6	9.4W	36 17.051	-0.0124	21	-34 9 59.34	0.005	21	0.44	17.280	22	31.6	59.43	21	31.6	K0		C7	9357	C -3411918
90	10.8	9.7W	36 17.598	0.0021	06	-35 18 15.34	-0.046	06	0.20	17.568	15	35.6	14.67	21	35.6	G5		C8	8873	C -3511787
91	8.9	8.0W	36 20.817	-0.0016	13	-38 20 30.09	-0.036	13	0.26	20.840	15	35.6	29.57	21	35.6	K0		C8	8874	C -3812097
92		7.0T	36 21.795	0.0010	09	-32 17 35.76	-0.002	08	0.49	21.741	15	96.9	35.66	15	93.4	B5		GC	23916	C -3213072
93	10.4	9.4W	36 25.814	-0.0007	21	-30 51 58.14	-0.013	21	0.44	25.827	22	31.6	57.90	21	31.6	K0		C7	9359	C -3014546
94	10.0	9.5W	36 33.164	-0.0004	10	-37 12 41.40	-0.009	10	0.23	33.170	15	35.6	41.27	21	35.6	G0		C8	8875	C -3711770
95	8.5	8.7W	36 37.601	0.0007	21	-32 20 56.82	0.005	21	0.44	37.587	22	31.6	56.91	21	31.6	B9		C7	9360	C -3213081
96	8.9	9.1W	36 38.168	0.0027	21	-32 8 48.97	0.030	21	0.44	38.117	22	31.6	49.51	21	31.6	A0		C7	9361	C -3213084
97	9.1	9.3W	36 38.246	-0.0012	21	-32 0 42.96	-0.040	21	0.44	38.267	22	31.6	42.21	21	31.6	B9		C7	9362	C -3114369
98	8.4	8.5W	36 39.309	0.0005	21	-33 6 47.59	-0.031	21	0.44	39.299	22	31.6	47.03	21	31.6	A0		C7	9363	C -3312328
99	8.0	8.1W	36 40.033	-0.0013	13	-39 55 56.10	-0.016	13	0.26	40.052	15	35.6	55.87	21	35.6	A2		C8	8876	C -3911718
00		7.5T	36 41.753	0.0013	18	-39 10 44.14	-0.023	13	0.78	41.695	21	04.1	42.99	19	99.5	B8		GC	23925	C -3911721

209100			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-30° 17H	
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	s	° ′ ″	″	″	″	s	s		″	″						
1	11.2	9.7W	17 36 42.124	-0.0056	21	-31 11 30.50	0.016	21	0.44	42.227	22	31.6	30.80	21	31.6	K0	C7	9364	C -3114372	
2	7.8	8.0W	36 43.352	0.0024	21	-32 25 1.25	0.009	21	0.44	43.308	22	31.6	1.41	21	31.6	B9	C7	9365	C -3213085	
3	10.8	9.5W	36 44.364	-0.0022	21	-30 15 25.78	0.005	21	0.44	44.405	22	31.6	25.87	21	31.6	K2	C7	9366	C -3014551	
4	10.1	9.0W	36 44.403	0.0002	10	-37 4 10.18	-0.014	10	0.23	44.400	15	35.6	9.97	21	35.6	G5	C8	8878	C -3711774	
5		6.9T	36 45.416	0.0008	05	-32 10 28.90	-0.003	04	0.21	45.382	09	08.5	28.77	09	05.8	B8	GC	23928	C#-3213086	
6	9.6	9.3W	36 45.802	-0.0036	21	-33 10 31.23	-0.006	21	0.44	45.869	22	31.6	31.13	21	31.6	G	C7	9368	C -3312329	
7	9.1	9.2W	36 45.805	0.0003	13	-39 37 7.26	-0.006	13	0.26	45.802	15	35.6	7.17	21	35.6	A3	C8	8879	C -3811722	
8	10.3	9.7W	36 46.698	-0.0054	21	-30 37 5.67	-0.178	21	0.44	46.797	22	31.6	2.40	21	31.6	K0	C7	9370	C -3014553	
9	7.9	8.4W	36 46.704	0.0014	21	-32 8 2.58	-0.014	21	0.44	46.678	22	31.6	2.31	21	31.6	B9	C7	9369	C -3213090	
10	9.8	9.2W	36 53.163	-0.0017	06	-35 22 54.46	-0.034	06	0.20	53.188	15	35.6	53.97	21	35.6	A3	C8	8880	C -3511800	
11		7.1T	36 55.408	0.0018	13	-32 13 48.87	0.007	12	0.67	55.316	19	99.3	49.25	19	96.9	B8	GC	23931	C -3213102	
12	8.5	8.3W	36 57.814	0.0010	10	-37 5 9.39	-0.029	10	0.23	57.800	15	35.6	8.97	21	35.6	F2	C8	8881	C -3711777	
13	8.8	9.0W	36 57.817	-0.0010	13	-38 43 28.38	-0.021	13	0.26	57.831	15	35.6	28.07	21	35.6	A0	C8	8882	C -3812104	
14	8.6	8.8W	37 4.210	0.0023	21	-32 9 12.74	-0.023	21	0.44	4.168	22	31.6	12.31	21	31.6	B9	C7	9372	C -3213113	
15	8.1	8.4W	37 5.863	0.0019	21	-32 14 17.41	0.006	21	0.44	5.828	22	31.6	17.51	21	31.6	B9	C7	9373	C -3213115	
16	8.9	8.9W	37 8.919	-0.0009	21	-30 11 39.99	-0.001	21	0.44	8.936	22	31.6	39.97	21	31.6	A3	C7	9374	C -3014564	
17	9.9	8.9W	37 9.916	0.0040	18	-36 4 43.58	-0.028	18	0.32	9.859	15	35.6	43.17	21	35.6	K0	C8	8883	C -3611766	
18	8.0	8.2W	37 14.109	-0.0017	21	-32 43 44.13	-0.006	21	0.44	14.139	22	31.6	44.03	21	31.6	B8	C7	9375	C -3213121	
19		7.7T	37 14.963	-0.0006	11	-35 37 19.16	-0.050	10	0.55	14.992	17	01.1	16.63	17	99.5	F5	GC	23945K	C#-3511803	
20	10.4	8.7W	37 16.664	0.0011	13	-35 20 28.02	-0.031	13	0.26	16.648	15	35.6	27.57	21	35.6	K2	C8	8885	C -3511804	
21	10.0	8.7W	37 18.528	0.0014	13	-35 7 46.92	-0.017	13	0.26	18.508	15	35.6	46.67	21	35.6	K0	C8	8887	C -3511805	
22	8.9	9.1W	37 24.246	-0.0001	21	-32 9 46.94	0.004	21	0.44	24.247	22	31.6	47.01	21	31.6	A0	C7	9376	P -32 4743	
23	10.0	8.9W	37 27.269	0.0014	13	-35 54 49.68	0.007	13	0.26	27.269	15	35.6	49.77	21	35.6	K0	C8	8888	C -3511806	
24	9.6	9.4W	37 27.746	0.0017	21	-30 15 24.49	0.015	21	0.44	27.716	22	31.6	24.77	21	31.6	F0	C7	9377	C -3014568	
25		7.2T	37 27.851	0.0011	12	-32 7 47.89	0.014	12	0.66	27.792	18	96.9	48.65	18	96.5	B8	GC	23950	C -3213129	
26	10.0	9.1W	37 31.650	-0.0003	21	-30 25 2.68	0.005	21	0.44	31.655	22	31.6	2.77	21	31.6	K2	C7	9379	C -3014569	
27	8.8	8.6W	37 34.098	0.0013	13	-38 5 17.48	-0.021	13	0.26	34.080	15	35.6	17.17	21	35.6	F5	C8	8889	C -3812114	
28	8.5	8.9W	37 34.590	-0.0010	21	-32 11 57.37	-0.030	21	0.44	34.608	22	31.6	56.81	21	31.6	B9	C7	9380	C -3213134	
29	10.1	9.9W	37 36.978	-0.0031	21	-30 7 7.08	0.021	21	0.44	37.035	22	31.6	7.47	21	31.6	B8	C7	9381	C -3014571	
30	8.1	8.0W	37 38.961	-0.0034	09	-37 37 43.19	-0.029	09	0.22	39.010	15	35.6	42.77	21	35.6	B2	C8	8890	C -3711789	
31	8.2	8.3W	37 40.598	-0.0023	21	-32 48 26.72	0.027	21	0.44	40.639	22	31.6	27.23	21	31.6	A0	C7	9382	C -3213140	
32	7.0D		37 42.757	-0.0011	09	-32 11 21.15	0.001	07	0.49	42.817	17	94.8	21.22	15	90.5	K0	GC	23957X	C#-3213142	
33	9.7	8.4W	37 44.562	-0.0015	21	-34 52 13.78	-0.062	21	0.44	44.590	22	31.6	12.65	21	31.6	F5	C7	9384	C -3411940	
34	9.4	9.4W	37 44.944	-0.0031	13	-35 13 50.30	-0.009	13	0.26	44.989	15	35.6	50.17	21	35.6	B9	C8	8891	C -3511813	
35	8.7	8.8W	37 50.907	-0.0002	18	-38 21 28.99	-0.008	18	0.32	50.910	15	35.6	28.87	21	35.6	A3	C8	8892	C -3812119	
36	8.3	8.1W	37 52.090	-0.0016	21	-33 56 36.12	0.017	21	0.44	52.120	22	31.6	36.43	21	31.6	F0	C7	9385	C -3312343	
37	9.3	9.0W	37 52.963	0.0003	21	-32 15 14.13	0.010	21	0.44	52.957	22	31.6	14.31	21	31.6	A0	C7	9386	C -3213152	
38	8.2	7.8W	37 55.327	-0.0067	21	-34 56 37.27	-0.034	21	0.44	55.450	22	31.6	36.64	21	31.6	G5	C7	9387	C -3411942	
39	10.4	9.1W	37 59.195	0.0011	21	-30 3 10.26	0.021	21	0.44	59.176	22	31.6	10.67	21	31.6	K0	C7	9388	C -3014576	
40	10.2	9.4W	37 59.497	-0.0022	21	-30 46 42.27	-0.042	21	0.44	59.537	22	31.6	41.50	21	31.6	G0	C7	9389	C -3014575	
41	10.0	8.5W	38 1.336	0.0031	21	-33 39 57.11	-0.021	21	0.44	1.279	22	31.6	56.73	21	31.6	K0	C7	9390	C -3312345	
42	9.5	8.7W	38 2.732	0.0015	08	-39 16 32.58	-0.035	08	0.22	2.711	15	35.6	32.07	21	35.6	K0	C8	8893	C -3911743	
43	9.5	8.6W	38 2.891	-0.0007	08	-39 12 54.94	-0.046	08	0.22	2.901	15	35.6	54.27	21	35.6	K0	C8	8894	C -3911745	
44	7.3	7.5W	38 11.904	0.0030	21	-34 2 56.75	-0.061	21	0.44	11.850	22	31.6	55.63	21	31.6	A0	C7	9391	C -3411950	
45	9.0	8.9W	38 15.958	-0.0015	13	-36 52 14.78	-0.014	13	0.26	15.980	15	35.6	14.57	21	35.6	A0	C8	8896	C -3611781	
46	9.6	8.6W	38 16.793	-0.0004	21	-32 53 41.91	-0.016	21	0.44	16.799	22	31.6	41.63	21	31.6	G5	C7	9392	C -3213164	
47		8.0T	38 22.411	0.0001	10	-32 5 16.26	-0.024	09	0.51	22.405	15	98.5	15.00	17	97.3	B9	GC	23973	C -3213169	
48	8.9	8.9W	38 23.997	-0.0045	21	-34 59 50.81	-0.004	21	0.44	24.080	22	31.6	50.74	21	31.6	A0	C7	9394	C -3411955	
49	9.9	9.7W	38 28.533	-0.0024	21	-31 0 24.63	-0.007	21	0.44	28.577	22	31.6	24.50	21	31.6	A2	C7	9395	C -3014587	
50	10.3	8.8W	38 29.269	-0.0021	13	-38 16 6.11	-0.051	13	0.26	29.300	15	35.6	5.37	21	35.6	K2	C8	8897	C -3812128	
51		6.7T	17 38 41.151	-0.0003	12	-33 28 46.93	0.008	12	0.64	41.165	17	99.4	47.36	18	97.1	OE5	GC	23980	C#-3312361	
52	10.2	8.6W	38 41.701	-0.0019	13	-36 8 55.37	-0.000	13	0.26	41.729	15	35.6	50.37	21	35.6	K5	C8	8898	C -3611791	
53	9.8	9.0W	38 43.169	-0.0015	21	-31 19 35.13	-0.029	21	0.44	43.197	22	31.6	34.60	21	31.6	K0	C7	9397	C -3114423	
54	10.7	9.1W	38 48.172	-0.0025	21	-32 1 27.99	-0.004	21	0.44	48.211	22	31.6	27.91	21	31.6	K7	C7	9398	C -3114425	
55	9.0	8.7W	38 50.622	-0.0007	21	-30 28 6.49	0.026	21	0.44	50.636	22	31.6	6.97	21	31.6	F8	C7	9399	C -3014595	
56	11.0	9.9W	38 54.037	0.0013	13	-36 11 15.69	-0.015	13	0.26	54.019	15	35.6	15.47	21	35.6	K1	L C8	8899	C -3611794	
57	10.1	9.1W	38 55.912	-0.0040	13	-36 55 1.30	-0.009	13	0.26	55.970	15	35.6	1.17	21	35.6	K0	C8	8900	C -3611795	
58	7.7	7.6W	38 56.263	-0.0011	13	-35 46 39.42	0.011	13	0.26	56.279	15	35.6	39.57	21	35.6	B8	C8	8901	C -3511827	
59	9.9	9.6W	38 57.567	0.0020	21	-33 26 21.46	-0.035	21	0.44	57.529	22	31.6	20.83	21	31.6	A2	C7	9400	C -3312368	
60			39 0.577	0.0020	21	-32 29 59.96	0.009	21	0.44	0.540	22	31.6	+ 0.13	21	31.6	F0	C7	9401V	C#-3213185	
61	7.5	7.7W	39 0.662	-0.0025	13	-35 28 32.78	-0.014	13	0.26	0.698	15	35.6	32.57	21	35.6	A0	C8	8902	C -3511828	
62	8.2	8.5W	39 1.494	0.0003	13	-37 48 19.47	-0.000	13	0.26	1.490	15	35.6	19.47	21	35.6	A0	C8	8903	C -3711801	
63		2.5H	39 1.548	-0.0006	02	-39 0 22.76	-0.029	02	0.09	1.570	05	11.4	21.60	04	09.6	B2	F4	660	C -3812137	
64		9.4T	39 6.465	0.0007	20	-37 59 49.17	0.012	17	0.84	6.436	22	06.4	49.73	21	04.4	A0	GC	23992	C -3711803	
65	10.7	9.6W	39 12.369	0.0007	13	-36 6 33.08	-0.035	13	0.26	12.359	15	35.6	32.57	21	35.6	K0	L C8	8906	C -3611800	
66	7.9	8.1W	39 14.349	-0.0011	21	-34 17 46.67	-0.046	21	0.44	14.370	22	31.6	45.83	21	31.6	B8	C7	9402	C -3411972	
67	10.4	9.3W	39 16.785	-0.0030	13	-35 17 49.16	-0.006	13	0.26	16.828	15	35.6	49.07	21	35.6	K0	C8	8909	C -3511834	
68	8.6	8.4W	39 19.637	-0.0009	13	-38 26 40.35	-0.047	13	0.26	19.650	15	35.6	39.67	21	35.6	F0	C8	8910	C -3812138	
69	10.2	9.1W	39 19.647	-0.0007	21	-34 48 19.49	-0.008	21	0.44	19.660	22	31.6	19.34	21	31.6	G5	C7	9403	C -3411975	
70	10.4	8.8W	39 22.162	0.0013	21	-32 22 52.73	-0.017	21	0.44	22.138	22	31.6	52.41	21	31.6	K5	C7	9404	C -3213193	
71	9.9	8.7W	39 25.163	-0.0024	21	-30 41 38.73	0.009	21	0.44	25.207	22	31.6	38.90	21	31.6	K5	C7	9405	C -3014606	
72		5.6T	39 27.170	0.0001	06	-36 55 21.05	-0.034	05	0.26	27.167	09	07.0	19.44	10	02.4	K2	GC	24001	C -3611804	
73	9.6	8.3W	39 27.604	0.0009	10	-38 54 46.94	0.009	10	0.23	27.591	15	35.6	47.07	21	35.6	K2	C8	8913	C -3812139	
74	10.4	9.1W	39 38.964	-0.0003	13	-36 5 21.43	0.010	13	0.26	38.969	15	35.6	21.57	21	35.6	K0	C8	8914	C -3611807	
75	9.2	9.2W	39 41.363	-0.0030	21	-31 41 58.99	-0.015	21	0.44	41.418	22	31.6	58.71	21	31.6	A0	C7	9406	C -3114446	
76		6.5T	39 49.803	0.0007	12	-33 1 43.17	0.002	11	0.63	49.766	18	98.9	43.28	18	97.2	M0	GC	24013	C -3213208	
77	9.3	9.2W	39 57.927	-0.0021	13	-35 10 4.78	-0.021	13	0.26	57.958	15	35.6	4.47	21	35.6	A0	C8	8915	C -3511849	
78	9.3	9.5W	40 2.629	-0.0034	13	-35 10 26.52	-0.003	13	0.26	2.678	15	35.6	26.47	21	35.6	A0	C8	8917	C -3511850	
79	8.5	8.6W	40 2.668	0.0004	13	-39 48 0.72	-0.038	13	0.26	2.662	15	35.6	0.17	21	35.6	B8	C8	8916	C -3911778	
80	8.9	8.8W	40 5.072	-0.0011	13	-35 16 33.16	-0.035	13	0.26	5.088	15	35.6	32.67	21	35.6	K2	C8	8918	C -3511852	
81	10.0	9.0W	40 9.370	-0.0008	13	-39 0 20.19	-0.022	13	0.26	9.381	15	35.6	19.87	21	35.6	G5	C8	8919	C -3812146	
82	9.1	8.2W	40 11.762	0.0000	06	-39 47 1.81	-0.044	06	0.20	11.762	15	35.6	1.17	21	35.6	K0	C8	8920	C -3911780	
83	9.9	9.6W	40 12.120	-0.0013	13	-36 10 25.22	-0.017	13	0.26	12.139	15	35.6	24.97	21	35.6	F8	C8	8921	C -3611819	
84	8.2	8.4W	40 13.089	0.0017	21	-32 12 36.94	-0.023	21	0.44	13.058	22	31.6	36.51	21	31.6	A0	C7	9408	C -3213221	
85	8.0	8.1W	40 16.893	0.0002	08	-38 10 25.34	0.030	08	0.22	16.890	15	35.6	25.77	21	35.6	B5	C8	8923	C -3812147	
86	7.4	7.6W	40 17.192	-0.0031	21	-34 3 33.82	-0.016	21	0.44	17.250	22	31.6	33.53	21	31.6	A0	C7	9409	C -3411992	
87		7.6T	40 17.512	-0.0011	10	-30 9 17.14	-0.013	09	0.49	17.569	12	98.8	16.45	12	98.1	A5	GC	24026	C -3014623	
88		6.8T	40 18.690	0.0005	11	-32 38 26.34	0.002	10	0.59	18.662	15	96.7	26.46	17	95.0	M8	GC	24027	C -3213223	
89	8.4	8.6W	40 21.420	-0.0027	21	-34 56 1.76	-0.017	21	0.44	21.470	22	31.6	1.45	21	31.6	A0	C7	9412	C -3411994	
90	8.0	8.2W	40 24.960	0.0016	21	-32 54 42.52	0.000	21	0.44	24.929	22	31.6	42.53	21	31.6	A0	C7	9413	C#-3213225	
91	8.9	8.8W	40 25.852	-0.0025	21	-32 19 44.52	-0.027	21	0.44	25.897	22	31.6	44.01	21	31.6	A0	C7	9414	C -3213228	
92	9.3	8.2W	40 27.403	0.0013	21	-34 25 44.26	-0.002	21	0.44	27.380	22	31.6	44.23	21	31.6	K5	C7	9415	C -3411996	
93		8.1T	40 29.678	-0.0023	13	-35 28 39.34	0.017	14	0.70	29.788	19	01.6	40.16	19	01.6	B5	GC	24031	C -3511860	
94	10.4	9.2W	40 32.355	0.0009	21	-31 39 6.88	0.002	21	0.44	32.335	22	31.6	6.91	21	31.6	G5	C7	9416	C -3114463	
95	9.1	9.1W	40 33.394	-0.0051	13	-35 1 45.20	0.026	13	0.26	33.468	15	35.6	45.57	21	35.6	A0	C8	8927	C -3411998	
96	10.1	9.8W	40 36.617	-0.0044	21	-32 0 37.69	0.018	21	0.44	36.698	22	31.6	38.01	21	31.6	A7	C7	9417	C -3114465	
97		6.8T	40 36.375	-0.0011	13	-38 47 1.52	-0.048	12	0.65	38.430	21	01.5	59.06	19	98.5	G5	GC	24038	C#-3812154	
98	10.7	9.1W	40 36.469	0.0001	21	-31 23 22.84	0.014	21	0.44	38.467	22	31.6	23.10	21	31.6	K5	C7	9418	C -3114468	
99	9.1	9.2W	40 39.691	-0.0041	18	-37 11 24.43	0.003	18	0.32	39.750	15	35.6	24.47	21	35.6	B9	C8	8929	C -3711832	
00		8.3T	40 40.577	-0.0001	13	-36 45 4.20	-0.019	11	0.63	40.584	21	02.0	3.27	19	00.4	K0	GC	24040	C -3611628	

209200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 17H DM NUMBER
1	9.5	9.3W	17 40 46.731	-0.0020	10	-38 15 16.63	-0.032	10	0.23	46.760	15	35.6	16.17	21	35.6	F2	C8	8932	C -3812156
2	9.0	8.6W	40 49.482	0.0012	21	-32 35 24.25	-0.029	21	0.44	49.459	22	31.6	23.73	21	31.6	G5	C7	9419	C -3213243
3	9.5	8.4W	40 50.564	0.0009	21	-31 15 13.69	0.006	21	0.44	50.547	22	31.6	13.80	21	31.6	K2	C7	9420	C -3114471
4	8.6	7.9W	40 55.053	-0.0004	21	-34 44 59.08	0.025	21	0.44	55.060	22	31.6	59.55	21	31.6	F5	C7	9421	C -3412004
5	9.2	9.3W	40 57.397	0.0020	13	-35 40 14.17	-0.028	13	0.26	57.369	15	35.6	13.77	21	35.6	A0	C8	8933	C -3511871
6	9.0	8.6W	41 3.211	-0.0059	21	-34 35 42.46	-0.001	21	0.44	3.320	22	31.6	42.45	21	31.6	B5	C7	9422	C -3412008
7	10.8	9.4W	41 3.594	0.0014	21	-31 51 32.78	-0.002	21	0.44	3.567	22	31.6	32.81	21	31.6	K5	C7	9423	C -3114474
8	9.8	8.6W	41 7.063	0.0008	21	-32 21 9.76	-0.009	21	0.44	7.048	22	31.6	9.61	21	31.6	K2	C7	9424	C -3213256
9	8.7	8.7W	41 15.952	-0.0007	13	-39 49 38.11	-0.023	13	0.26	15.962	15	35.6	37.77	21	35.6	F0	C8	8934	C -3911792
10	8.8	8.9W	41 17.335	0.0009	10	-39 45 28.00	-0.002	10	0.23	17.322	15	35.6	27.97	21	35.6	A0	C8	8935	C -3911793
11	11.3	9.8W	41 26.238	0.0033	21	-30 32 56.55	0.035	21	0.44	26.177	22	31.6	57.20	21	31.6	K5	C7	9425	C -3014645
12	9.4	9.3W	41 36.314	0.0003	10	-37 29 11.13	0.003	10	0.23	36.310	15	35.6	11.17	21	35.6	A3	C8	8936	C -3711841
13	8.5	8.6W	41 38.509	-0.0011	21	-34 11 7.17	0.003	21	0.44	38.529	22	31.6	7.23	21	31.6	A0	C7	9426	C -3412020
14		7.0T	41 40.708	0.0003	12	-35 30 39.63	-0.035	12	0.63	40.693	18	99.8	37.84	17	98.8	B9	GC	24068	C*-3511884
15	8.9	8.8W	41 48.791	-0.0020	18	-37 19 28.87	0.007	18	0.32	48.820	15	35.6	28.97	21	35.6	F0	C8	8938	C -3711844
16	10.2	8.8W	41 50.972	0.0007	21	-33 48 13.22	-0.005	21	0.44	50.959	22	31.6	13.13	21	31.6	K5	C7	9427	C -3312419
17	10.2	9.0W	41 54.359	-0.0014	21	-30 9 46.00	0.042	21	0.44	54.386	22	31.6	46.77	21	31.6	K0	C7	9428	C -3014654
18	10.2	9.8W	41 54.815	-0.0038	09	-38 5 8.21	-0.058	09	0.22	54.870	15	35.6	7.37	21	35.6	G0 L	C8	8939	C -3812167
19	11.2	10.0W	41 56.744	-0.0082	21	-30 19 36.58	0.054	21	0.44	56.895	22	31.6	37.57	21	31.6	K5	C7	9429	C -3014655
20	9.5	8.6W	41 58.091	-0.0012	13	-35 10 9.98	0.020	13	0.26	58.108	15	35.6	10.27	21	35.6	K0	C8	8940	C -3511889
21	8.8	8.7W	42 0.284	0.0024	13	-37 28 37.32	-0.045	13	0.26	0.250	15	35.6	36.67	21	35.6	F5	C8	8941	C -3711848
22	10.2	9.1W	42 1.440	-0.0015	21	-32 29 25.71	0.033	21	0.44	1.467	22	31.6	24.31	21	31.6	G5	C7	9430	C -3213278
23	10.4	9.1W	42 6.004	-0.0029	21	-31 5 29.62	-0.012	21	0.44	6.057	22	31.6	29.40	21	31.6	K0	C7	9431	C -3114501
24	10.1	9.1W	42 7.054	-0.0036	21	-34 32 15.33	-0.005	21	0.44	7.120	22	31.6	15.24	21	31.6	G5	C7	9432	C -3412030
25	9.8	8.6W	42 15.813	0.0014	21	-31 2 12.93	-0.007	21	0.44	15.787	22	31.6	12.80	21	31.6	K0	C7	9433	C -3114505
26	9.7	9.6W	42 15.847	-0.0023	13	-36 41 5.66	-0.034	13	0.26	15.880	15	35.6	5.17	21	35.6	F0	C8	8942	C -3611860
27	9.4	8.9W	42 19.534	-0.0018	21	-30 57 44.01	-0.071	21	0.44	19.567	22	31.6	42.70	21	31.6	G5	C7	9434	C -3014663
28	9.8	9.3W	42 38.159	0.0021	21	-33 11 2.22	-0.011	21	0.44	38.119	22	31.6	2.03	21	31.6	B9	C7	9435	C -3312437
29	10.0	9.6W	42 41.055	-0.0003	18	-38 4 30.64	-0.046	18	0.32	41.060	15	35.6	29.97	21	35.6	F8	C8	8943	C -3812174
30	9.6	9.1W	42 41.074	-0.0041	21	-34 34 1.26	-0.017	21	0.44	41.150	22	31.6	0.94	21	31.6	F8	C7	9436	C -3412040
31	10.6	9.3W	42 41.681	0.0016	08	-35 16 31.34	-0.088	08	0.22	41.658	15	35.6	30.07	21	35.6	K0 L	C8	8944	C -3511904
32	8.2	8.6W	42 42.151	0.0022	13	-36 38 22.96	-0.027	13	0.26	42.120	15	35.6	22.57	21	35.6	B8	C8	8945	C -3611867
33	9.7	9.6W	42 46.563	0.0016	18	-37 48 58.86	0.008	18	0.32	46.540	15	35.6	58.97	21	35.6	A0	C8	8947	C -3711857
34	10.1	8.4W	42 56.854	0.0016	09	-39 5 29.56	0.022	09	0.22	56.831	15	35.6	29.87	21	35.6	K0	C8	8948	C -3911814
35	10.8	10.1W	43 0.668	-0.0031	21	-30 27 8.93	-0.025	21	0.44	0.726	22	31.6	8.47	21	31.6	G0	C7	9437	C -3014681
36		6.9T	43 2.519	0.0015	15	-39 14 45.88	0.001	12	0.73	2.447	18	00.8	45.94	18	96.9	B9	GC	24097	C*-3911816
37	7.1	7.5W	43 8.039	0.0005	21	-34 52 1.90	-0.036	21	0.44	8.030	22	31.6	1.25	21	31.6	B8	C7	9438	C -3412050
38	7.5	7.9W	43 16.328	-0.0061	21	-34 34 11.08	0.036	21	0.44	16.440	22	31.6	11.75	21	31.6	A0	C7	9439	C -3412051
39	8.6	8.7W	43 18.981	0.0012	21	-34 20 11.11	-0.059	21	0.44	18.960	22	31.6	10.03	21	31.6	A0	C7	9440	C -3412052
40	9.7	9.8W	43 23.652	-0.0019	13	-37 4 52.91	-0.023	13	0.26	23.680	15	35.6	52.57	21	35.6	A0	C8	8951	C -3711867
41	10.1	9.5W	43 25.490	-0.0037	21	-31 56 37.01	0.006	21	0.44	25.557	22	31.6	37.11	21	31.6	G0	C7	9441	C -3114531
42	9.0	9.0W	43 25.621	0.0017	21	-32 51 44.20	0.028	21	0.44	25.589	22	31.6	44.73	21	31.6	A0	C7	9442	C -3213308
43	8.0	8.2W	43 28.792	-0.0033	13	-36 31 44.97	0.014	13	0.26	28.840	15	35.6	45.17	21	35.6	A0	C8	8952	C -3611879
44	8.6	8.5W	43 29.594	0.0014	21	-32 26 15.35	-0.018	21	0.44	29.567	22	31.6	15.01	21	31.6	F0	C7	9443	C -3213311
45	9.3	9.4W	43 31.653	0.0035	21	-33 48 29.57	0.025	21	0.44	31.589	22	31.6	30.03	21	31.6	A0	C7	9444	C -3312454
46		6.2T	43 41.238	-0.0002	15	-38 5 37.47	-0.007	12	0.69	41.249	17	03.2	37.13	18	99.9	B9	GC	24112K	C*-3812189
47	8.2	8.4W	43 41.301	0.0029	21	-32 23 46.71	0.017	21	0.44	41.248	22	31.6	47.01	21	31.6	B9	C7	9445	C -3213318
48	8.7	7.8W	43 49.170	-0.0007	13	-36 58 5.50	-0.002	13	0.26	49.180	15	35.6	5.47	21	35.6	K0	C8	8954	C -3611882
49		8.4T	43 50.878	0.0020	16	-39 24 11.42	0.009	13	0.76	50.783	21	01.3	11.89	19	98.0	A0	GC	24118	C -3911830
50	8.9	7.6W	43 53.244	-0.0009	21	-34 49 57.35	-0.006	21	0.44	53.261	22	31.6	57.24	21	31.6	K2	C7	9446	C -3412062
51	9.6	8.1W	17 44 1.613	-0.0009	21	-34 43 1.50	0.013	21	0.44	1.630	22	31.6	1.75	21	31.6	K2	C7	9447	C -3412063
52	10.1	9.2W	44 3.920	0.0001	13	-35 57 36.42	-0.024	13	0.26	3.919	15	35.6	36.07	21	35.6	K0	C8	8957	C -3511922
53	9.8	8.9W	44 4.508	0.0026	21	-34 30 58.41	-0.004	21	0.44	4.460	22	31.6	58.35	21	31.6	K0	C7	9448	C -3412064
54	9.4	9.4W	44 5.253	-0.0008	21	-32 11 18.16	-0.008	21	0.44	5.268	22	31.6	18.01	21	31.6	A0	C7	9449	C -3213331
55	10.0	8.9W	44 5.693	-0.0012	13	-37 49 43.16	-0.020	13	0.26	5.710	15	35.6	42.87	21	35.6	K0	C8	8958	C -3711876
56			44 6.488	-0.0021	06	-35 41 3.62	-0.031	06	0.20	6.519	15	35.6	3.17	21	35.6	NB	C8	8959X	C -3511923
57	9.7	8.2W	44 11.168	-0.0015	18	-38 20 34.56	-0.034	18	0.32	11.190	15	35.6	34.07	21	35.6	K5	C8	8960	C -3812194
58	9.7	9.5W	44 11.425	0.0008	21	-33 20 13.02	0.011	21	0.44	11.409	22	31.6	13.23	21	31.6	A0	C7	9450	C -3312466
59	9.0	8.6W	44 17.415	0.0018	13	-35 47 24.25	-0.026	13	0.26	17.389	15	35.6	23.87	21	35.6	A5	C8	8961	C -3511928
60	9.5	9.3W	44 18.409	-0.0000	13	-36 3 35.89	-0.008	13	0.26	18.409	15	35.6	35.77	21	35.6	A2	C8	8962	C -3611890
61	7.3	7.6W	44 20.965	0.0012	13	-35 12 19.20	-0.009	13	0.26	20.948	15	35.6	19.07	21	35.6	B9	C8	8963	C -3511929
62	9.6	8.4W	44 22.164	-0.0007	21	-31 10 22.02	-0.023	21	0.44	22.177	22	31.6	21.60	21	31.6	G5	C7	9451	C -3114574
63		6.9T	44 28.334	0.0017	12	-34 17 38.57	-0.027	11	0.59	28.248	17	01.0	37.19	17	98.6	A0	GC	24137	C -3412073
64	9.2	9.3W	44 32.530	0.0029	13	-36 0 19.28	-0.063	13	0.26	32.489	15	35.6	18.37	21	35.6	A2	C8	8964	C -3511931
65		7.0T	44 39.484	-0.0181	17	-33 59 39.04	-0.554	15	0.81	40.372	18	00.8	11.17	19	99.7	G5	GC	24146	C -3312476
66	9.0	8.7W	44 42.195	-0.0012	21	-30 52 52.15	0.003	21	0.44	42.217	22	31.6	52.20	21	31.6	A2	C7	9454	C -3014711
67	9.0	9.2W	44 44.163	-0.0012	18	-37 24 4.89	-0.001	18	0.32	44.180	15	35.6	4.87	21	35.6	A2	C8	8966	C -3711883
68	8.2	8.5W	44 51.071	-0.0020	13	-36 42 50.85	-0.033	13	0.26	51.100	15	35.6	50.37	21	35.6	B9	C8	8967	C -3611896
69	7.5	7.8W	44 51.499	0.0016	21	-34 33 56.78	-0.051	21	0.44	51.470	22	31.6	55.85	21	31.6	B8	C7	9455	C -3412080
70		6.9T	44 53.145	0.0008	17	-35 52 43.21	-0.034	13	0.77	53.106	21	02.4	41.45	19	98.3	B9	GC	24149	C -3511934
71	10.1	9.1W	44 53.710	0.0003	21	-30 11 48.94	-0.031	21	0.44	53.705	22	31.6	48.37	21	31.6	K0	C7	9456	C -3014717
72	9.1	9.3W	44 54.530	0.0006	10	-39 25 49.46	-0.013	10	0.23	54.521	15	35.6	49.27	21	35.6	A0	C8	8970	C -3911856
73	8.9	9.1W	44 55.739	-0.0090	23	-35 31 18.30	-0.085	23	0.38	55.869	15	35.6	17.07	21	35.6	A0	C8	8971	C -3511936
74	9.8	10.0W	44 56.542	-0.0018	13	-35 21 36.67	-0.062	13	0.26	56.568	15	35.6	35.77	21	35.6	A0 L	C8	8972	C -3511939
75	9.4	9.5W	44 58.310	0.0027	10	-39 14 17.68	0.013	10	0.23	58.271	15	35.6	17.87	21	35.6	B9	C8	8973	C -3911858
76	9.0	8.5W	45 0.249	-0.0007	13	-35 57 46.65	-0.047	13	0.26	0.259	15	35.6	45.97	21	35.6	G0	C8	8975	C -3511940
77		7.2T	45 0.471	0.0001	11	-32 39 15.62	-0.036	09	0.59	0.464	17	96.4	13.60	17	93.8	A2	GC	24152	C -3213346
78		6.8T	45 2.142	0.0035	14	-38 7 2.46	-0.003	13	0.73	1.970	22	00.3	2.31	21	97.6	B1	GC	24153	C -3812201
79	9.1	9.0W	45 5.218	0.0043	21	-34 26 59.12	-0.043	21	0.44	5.140	22	31.6	58.33	21	31.6	A2	C7	9458	C -3412088
80	8.2	8.0W	45 10.382	-0.0012	06	-36 56 49.43	-0.018	06	0.20	10.400	15	35.6	49.17	21	35.6	F0	C8	8977	C -3611901
81	8.8	9.0W	45 10.411	-0.0012	07	-35 44 8.45	-0.033	07	0.21	10.429	15	35.6	7.97	21	35.6	A2	C8	8978	C -3511942
82		6.9T	45 13.207	0.0008	16	-39 52 58.50	-0.017	12	0.72	13.171	21	01.9	57.63	18	98.8	B9	GC	24156	C*-3911862
83	8.3	8.0W	45 13.611	-0.0040	21	-30 16 59.74	0.018	21	0.44	13.686	22	31.6	+ 0.07	21	31.6	G0	C7	9459	C -3014727
84	9.8	9.6W	45 22.115	0.0009	21	-31 58 37.90	0.012	21	0.44	22.098	22	31.6	38.11	21	31.6	A0	C7	9460	C -3114595
85	9.1	8.8W	45 22.860	-0.0005	21	-34 2 20.73	-0.022	21	0.44	22.870	22	31.6	20.33	21	31.6	B5	C7	9461	C -3412100
86	8.7	8.5W	45 23.021	-0.0021	10	-39 24 50.39	-0.064	10	0.23	23.051	15	35.6	49.47	21	35.6	F8	C8	8980	C -3911864
87	8.7	8.8W	45 24.229	0.0016	21	-34 55 56.07	0.004	21	0.44	24.200	22	31.6	56.14	21	31.6	A2	C7	9462	C -3412099
88			45 24.463	-0.0001	21	-30 27 35.54	0.034	21	0.44	24.465	22	31.6	36.17	21	31.6	K0	C7	9463V	C*-3014730
89	8.6	7.7W	45 25.051	-0.0048	13	-37 23 47.09	-0.036	13	0.26	25.120	15	35.6	46.57	21	35.6	K0	C8	8981	C -3711895
90	9.9	9.4W	45 25.426	-0.0033	21	-30 59 55.31	0.010	21	0.44	25.487	22	31.6	55.50	21	31.6	F0	C7	9464	C -3014729
91		7.4T	45 27.029	0.0010	17	-35 2 28.83	-0.002	18	0.85	26.980	21	03.0	28.75	22	03.9	A2	GC	24163	C -3412102
92		7.7T	45 31.842	0.0016	15	-38 6 10.53	-0.010	12	0.74	31.764	21	99.8	9.99	19	96.0	A0	GC	24165	C -3812209
93	8.7	8.6W	45 32.784	-0.0003	21	-33 50 48.74	0.010	21	0.44	32.790	22	31.6	48.93	21	31.6	B8	C7	9465	C -3312490
94	9.7	9.3W	45 33.953	0.0002	21	-34 17 15.76	-0.029	21	0.44	33.950	22	31.6	15.23	21	31.6	F0	C7	9466	C -3412103
95	8.7	8.8W	45 35.268	-0.0022	13	-37 16 46.24	-0.039	13	0.26	35.300	15	35.6	45.67	21	35.6	A0	C8	8985	C -3711897
96	11.0	9.1W	45 42.407	-0.0004	21	-30 28 45.17	-0.011	21	0.44	42.415	22	31.6	44.97	21	31.6	M0	C7	9467	C -3014738
97	8.2	8.5W	45 44.738	-0.0022	08	-36 30 29.08	-0.042	08	0.22	44.770	15	35.6	28.47	21	35.6	B8	C8	8987	C -3611908
98	9.4	9.0W	45 45.476	-0.0024	21	-32 52 27.58	0.002	21	0.44	45.519	22	31.6	27.63	21	31.6	B2	C7	9468	C -3213365
99	9.3	9.3W	45 46.840	0.0007	21	-31 3 22.11	0.005	21	0.44	46.827	22	31.6	22.20	21	31.6	B8	C7	9469	C -3114605
00	9.7	9.8W	45 51.042	-0.0020	18	-38 46 35.12	-0.038	18	0.32	51.071	15	35.6	34.57	21	35.6	A0	C8	8988	C -3812212

209300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 17H DM NUMBER
1	10.8	8.6W	17 45 53.485	0.0003	21	-33 14 6.00	-0.015	21	0.44	53.479	22	31.6	5.73	21	31.6	M0	C7	9470	C -3312497
2	9.5	9.2W	45 54.253	-0.0013	21	-31 16 22.12	-0.012	21	0.44	54.277	22	31.6	21.90	21	31.6	B5	C7	9471	C -3114608
3		4.8T	45 55.477	0.0010	05	-31 41 16.98	-0.016	04	0.25	55.428	10	01.6	16.14	10	96.3	B8	GC	24176	C -3114609
4		6.7T	45 56.939	0.0004	13	-38 58 6.22	0.021	12	0.69	56.921	18	99.9	7.35	19	95.9	B2	GC	24177	C* -3812215
5	10.5	8.9W	46 1.571	-0.0006	13	-36 33 3.72	-0.045	13	0.26	1.580	15	35.6	3.07	21	35.6	K5 L	C8	8990	C -3611912
6	7.8	7.9W	46 2.301	0.0002	21	-31 14 23.89	0.006	21	0.44	2.297	22	31.6	24.00	21	31.6	B3	C7	9473	C -3114612
7		6.7T	46 3.926	0.0056	07	-30 34 55.09	-0.044	07	0.40	3.640	12	98.9	52.79	14	97.2	F0	GC	24179	C -3014748
8	8.9	9.0W	46 4.994	0.0008	21	-34 4 46.58	-0.003	21	0.44	4.980	22	31.6	46.53	21	31.6	B9	C7	9475	C -3412108
9		7.2T	46 7.880	-0.0004	12	-35 21 46.52	0.014	12	0.60	7.898	17	01.5	47.21	15	00.8	A0	GC	24181	C -3511954
10	9.7	9.4W	46 8.891	-0.0027	09	-36 35 49.40	-0.023	09	0.22	8.930	15	35.6	49.07	21	35.6	F0	C8	8992	C -3611914
11	9.3	9.2W	46 9.032	-0.0009	21	-32 4 37.31	-0.043	21	0.44	9.048	22	31.6	36.51	21	31.6	A0	C7	9476	C -3213376
12	8.0	8.1W	46 12.911	-0.0005	21	-32 56 26.67	0.008	21	0.44	12.919	22	31.6	26.83	21	31.6	A2	C7	9477	C -3213378
13	8.5	8.4W	46 13.287	0.0021	21	-31 59 29.82	-0.022	21	0.44	13.248	22	31.6	29.41	21	31.6	A3	C7	9478	C -3114615
14	8.5	8.4W	46 13.793	-0.0008	21	-31 59 34.85	0.031	21	0.44	13.808	22	31.6	35.41	21	31.6	A3	C7	9479	C -3114615
15	9.4	9.3W	46 16.357	-0.0015	08	-36 3 44.98	-0.042	08	0.22	16.379	15	35.6	44.37	21	35.6	F0	C8	8993	C -3611919
16	9.9	9.7W	46 20.144	0.0018	13	-35 57 5.12	-0.024	13	0.26	20.119	15	35.6	4.77	21	35.6	A5	C8	8995	C -3511958
17	10.6	9.1W	46 21.955	-0.0023	21	-31 2 25.99	-0.021	21	0.44	21.997	22	31.6	25.60	21	31.6	K5	C7	9480	C -3114621
18		3.2M	46 27.172	0.0045	03	-37 1 45.62	0.034	02	0.10	27.008	05	13.9	46.85	05	13.6	K2	F4	669	C -3711907
19	9.8	9.6W	46 28.996	-0.0043	21	-30 19 4.20	0.042	21	0.44	29.075	22	31.6	4.97	21	31.6	B9	C7	9481	C -3014760
20		9.5T	46 31.833	-0.0006	12	-37 31 3.77	-0.008	10	0.61	31.865	22	99.9	3.33	21	95.4	A2	GC	24192	C -3711908
21	10.1	8.6W	46 35.954	-0.0018	21	-30 52 5.08	0.023	21	0.44	35.987	22	31.6	5.50	21	31.6	K2	C7	9482	C -3014762
22	8.9	8.9W	46 36.909	0.0017	21	-31 41 8.49	0.007	21	0.44	36.878	22	31.6	8.61	21	31.6	A0	C7	9483	C -3114627
23	8.6	8.8W	46 41.513	-0.0005	13	-38 7 22.73	-0.032	13	0.26	41.520	15	35.6	22.27	21	35.6	B3	C8	9003	C -3812225
24	9.0	7.8W	46 47.098	-0.0007	13	-35 8 15.81	-0.037	13	0.26	47.108	15	35.6	15.27	21	35.6	K2	C8	9005	C -3511964
25	9.6	9.4W	46 47.867	-0.0023	06	-36 32 28.73	-0.018	06	0.20	47.900	15	35.6	28.47	21	35.6	F0	C8	9006	C -3611926
26	9.9	8.6W	46 48.332	-0.0035	13	-39 46 47.15	-0.012	13	0.26	48.382	15	35.6	46.97	21	35.6	K2	C8	9007	C -3911898
27	9.0	8.8W	46 51.845	-0.0002	13	-35 20 44.80	-0.064	13	0.26	51.848	15	35.6	43.87	21	35.6	F8	C8	9009	C -3511965
28	9.1	7.8W	46 55.003	-0.0051	21	-30 56 47.06	-0.025	21	0.44	55.097	22	31.6	46.60	21	31.6	K2	C7	9484	C -3014774
29	8.0	8.1W	46 58.022	0.0045	21	-34 27 44.24	-0.028	21	0.44	57.940	22	31.6	43.73	21	31.6	A0	C7	9485	C -3412123
30	9.1	8.2W	47 2.123	-0.0032	13	-35 41 51.61	-0.051	13	0.26	2.169	15	35.6	50.87	21	35.6	K0	C8	9010	C -3511968
31	8.5	8.6W	47 7.376	0.0009	21	-34 18 13.43	-0.022	21	0.44	7.360	22	31.6	13.03	21	31.6	A0	C7	9486	C -3412127
32	10.2	10.0W	47 13.599	-0.0025	21	-30 11 3.68	0.005	21	0.44	17.645	22	31.6	3.77	21	31.6	A0	C7	9487	C -3014780
33	9.0	9.2W	47 18.015	0.0011	13	-35 42 49.73	-0.025	13	0.26	17.999	15	35.6	49.37	21	35.6	B9	C8	9013	C -3511973
34	9.9	9.8W	47 19.007	-0.0015	18	-36 7 57.16	-0.013	18	0.32	19.025	15	35.6	56.97	21	35.6	B9	C8	9014	C -3611936
35	8.9	8.3W	47 20.535	-0.0017	13	-38 15 47.30	0.019	13	0.26	20.560	15	35.6	47.57	21	35.6	G5	C8	9015	C -3812234
36	7.9	8.1W	47 21.581	-0.0027	18	-38 27 42.99	-0.006	18	0.32	21.620	15	35.6	43.07	21	35.6	B8	C8	9017	C -3812235
37	7.6	7.8W	47 22.221	-0.0006	13	-35 31 8.05	-0.040	13	0.26	22.229	15	35.6	7.47	21	35.6	B9	C8	9018	C -3511974
38		9.3R	47 22.625	0.0028	13	-39 12 36.38	0.028	13	0.27	22.579	16	33.6	36.84	16	33.6	F5 J	13B	11351	J -3014784
39		7.7T	47 26.150	0.0037	20	-34 12 1.93	-0.012	16	0.88	25.976	22	03.6	2.52	21	01.0	A2	GC	24214	C -3412134
40		7.5I	47 34.128	0.0022	14	-33 41 31.50	0.025	14	0.72	34.019	18	01.4	32.73	19	01.2	G5	GC	24216V	C* -3312533
41	10.4	9.3W	47 34.348	-0.0028	13	-35 50 52.76	-0.034	13	0.26	34.389	15	35.6	52.27	21	35.6	G5 L	C8	9020	C -3511976
42	9.6	9.4W	47 36.152	-0.0030	21	-30 32 21.00	-0.011	21	0.44	36.207	22	31.6	20.80	21	31.6	A2	C7	9490	C -3014790
43	9.3	8.4W	47 36.584	-0.0007	21	-30 56 31.24	-0.051	21	0.44	36.597	22	31.6	30.30	21	31.6	K0	C7	9491	C -3014791
44	8.8	9.0W	47 41.167	-0.0031	13	-39 36 16.85	-0.004	13	0.26	41.232	15	35.6	18.77	21	35.6	A0	C8	9021	C -3911916
45		7.5T	47 41.505	0.0013	16	-35 3 27.81	-0.018	13	0.76	41.440	19	01.2	26.87	19	97.6	B9	GC	24217	C* -3511977
46		6.9T	47 44.869	-0.0014	15	-35 20 3.18	-0.006	15	0.77	44.957	19	00.2	2.88	21	00.2	B9	GC	24218	C -3511979
47	8.8	8.4W	47 46.188	0.0015	21	-32 58 35.34	0.021	21	0.44	46.159	22	31.6	35.73	21	31.6	B0	C7	9492	C -3213411
48	8.5	8.8W	47 46.947	0.0034	08	-35 19 29.28	-0.049	08	0.22	46.898	15	35.6	28.57	21	35.6		C8	9024	C -3511980
49	10.4	8.9W	47 47.133	0.0014	21	-31 12 50.14	-0.024	21	0.44	47.107	22	31.6	49.70	21	31.6	M0	C7	9493	C -3114669
50	10.6	9.4W	47 47.156	-0.0023	21	-32 21 43.51	0.006	21	0.44	47.197	22	31.6	43.61	21	31.6	K5	C7	9494	C -3213413
51		7.9T	17 47 50.093	-0.0019	12	-37 47 49.80	-0.025	10	0.57	50.187	21	01.6	48.50	19	98.0	A0	GC	24220	C -3711931
52	9.7	9.0W	47 50.919	0.0017	21	-32 17 40.15	-0.029	21	0.44	50.888	22	31.6	39.61	21	31.6	G0	C7	9495	C -3213416
53	8.0	8.2W	47 50.979	-0.0015	21	-30 57 26.44	0.003	21	0.44	51.007	22	31.6	26.50	21	31.6	B9	C7	9496	C -3014799
54	8.8	8.5W	47 53.209	-0.0014	05	-35 52 40.56	-0.020	05	0.20	53.229	15	35.6	40.27	21	35.6	F5	C8	9026	C -3511981
55	10.6	9.7W	47 54.061	-0.0012	08	-35 15 23.30	-0.078	08	0.22	54.078	15	35.6	22.17	21	35.6		C8	9027	C -3511982
56		8.7T	47 59.141	-0.0002	11	-30 32 48.18	0.032	16	0.72	59.152	19	97.7	49.76	19	01.3		GC	24223K	C -3014802
57		6.5T	47 59.312	0.0003	07	-30 32 39.51	-0.012	06	0.40	59.295	14	92.3	38.84	15	91.7	A0	GC	24224K	C -3014802
58	8.6	8.6W	48 1.529	-0.0011	21	-33 49 1.53	-0.022	21	0.44	1.550	22	31.6	1.13	21	31.6	A0	C7	9498	C -3312540
59	9.7	8.3W	48 1.827	-0.0016	13	-37 25 51.71	-0.037	13	0.26	1.850	15	35.6	51.17	21	35.6	K2	C8	9028	C -3711936
60	8.9	9.1W	48 5.205	-0.0037	13	-35 1 17.90	0.012	13	0.26	5.258	15	35.6	18.07	21	35.6	A0	C8	9029	C -3412143
61	8.9	8.8W	48 5.981	0.0033	21	-34 32 51.02	-0.026	21	0.44	5.920	22	31.6	50.54	21	31.6	A3	C7	9499	C -3412144
62	11.1	9.1W	48 9.907	0.0020	21	-33 18 43.57	-0.030	21	0.44	9.869	22	31.6	43.03	21	31.6	K7	C7	9500	C -3312544
63	9.7	8.7W	48 10.664	-0.0003	21	-33 59 47.63	0.036	21	0.44	10.670	22	31.6	48.33	21	31.6	K0	C7	9501	C -3312543
64	8.9	9.0W	48 17.110	-0.0027	13	-36 7 4.47	-0.014	13	0.26	17.149	15	35.6	4.27	21	35.6	A2	C8	9030	C -3611951
65	8.1	7.2W	48 18.787	-0.0057	13	-36 27 19.30	0.012	13	0.26	18.869	15	35.6	19.47	21	35.6	K0	C8	9031	C -3611952
66	9.6	9.2W	48 20.865	-0.0007	21	-32 1 17.71	-0.027	21	0.44	20.878	22	31.6	17.21	21	31.6	B5	C7	9502	C -3114687
67	8.6	8.9W	48 20.914	-0.0022	21	-30 16 28.28	0.043	21	0.44	20.955	22	31.6	29.07	21	31.6	B8	C7	9503	C -3014820
68	8.8	7.8W	48 21.167	0.0000	21	-31 24 2.57	0.034	21	0.44	21.167	22	31.6	3.20	21	31.6	K0	C7	9504	C -3114689
69	9.3	9.3W	48 25.105	-0.0010	18	-38 9 6.45	-0.033	18	0.32	25.120	15	35.6	5.97	21	35.6	A0	C8	9032	C -3812254
70	9.3	9.4W	48 28.776	0.0006	13	-35 5 25.72	-0.031	13	0.26	28.768	15	35.6	25.27	21	35.6	A0	C8	9033	C -3511991
71		7.2T	48 30.529	0.0023	18	-35 21 10.29	0.032	17	0.86	30.420	21	03.1	11.82	21	02.2	B9	GC	24243	C -3511992
72	8.5	8.6W	48 30.575	0.0008	21	-34 32 9.25	0.043	21	0.44	30.560	22	31.6	10.05	21	31.6	A2	C7	9505	C -3412152
73	7.5	7.8W	48 32.801	0.0044	21	-34 46 14.97	-0.045	21	0.44	32.720	22	31.6	14.15	21	31.6	A0	C7	9506	C -3412154
74	8.5	8.7W	48 34.585	0.0005	13	-35 4 16.42	-0.045	13	0.26	34.578	15	35.6	15.77	21	35.6	B9	C8	9035	C -3511994
75	9.2	8.7W	48 37.336	0.0011	10	-38 14 48.37	-0.000	10	0.23	37.320	15	35.6	48.37	21	35.6	G5	C8	9036	C -3812255
76	9.1	9.1W	48 46.062	-0.0029	21	-30 28 57.61	0.041	21	0.44	46.115	22	31.6	58.37	21	31.6	B8	C7	9507	C -3014831
77	10.0	9.3W	48 46.189	0.0017	21	-32 2 32.98	0.024	21	0.44	46.158	22	31.6	33.41	21	31.6	G5	C7	9508	C -3213433
78	9.2	9.3W	48 46.245	-0.0023	21	-30 36 2.18	0.012	21	0.44	46.267	22	31.6	2.40	21	31.6	B8	C7	9509	C -3014830
79	9.1	8.1W	48 49.421	-0.0007	13	-39 8 22.02	-0.045	13	0.26	49.431	15	35.7	21.37	21	35.7	K2	C8	9038	C -3911941
80	8.7	8.9W	48 49.532	0.0001	21	-34 52 58.34	0.000	21	0.44	49.530	22	31.6	58.35	21	31.6	A0	C7	9510	C -3412161
81	8.1	8.4W	48 49.867	-0.0007	21	-34 59 25.30	-0.052	21	0.44	49.880	22	31.6	24.35	21	31.6	A0	C7	9511	C -3412162
82	8.0	8.3W	48 53.024	-0.0032	13	-37 44 20.62	-0.024	13	0.26	53.070	15	35.7	20.27	21	35.7	A0	C8	9040	C -3711948
83		6.0T	48 53.448	0.0004	06	-34 47 15.33	-0.004	06	0.27	53.431	09	10.4	15.14	14	02.6	B8	GC	24259	C* -3412165
84	8.6	8.6W	48 53.563	0.0010	13	-36 22 15.99	-0.029	13	0.26	53.549	15	35.7	15.57	21	35.7	B8	C8	9041	C -3611958
85	8.7	8.7W	48 55.938	-0.0001	13	-36 41 10.99	0.006	13	0.26	55.940	15	35.7	11.07	21	35.7	A0	C8	9042	C -3611960
86	10.1	10.1W	48 58.140	-0.0000	18	-36 50 7.25	-0.047	18	0.32	58.140	15	35.7	6.57	21	35.7	A0	C8	9044	C -3611961
87	8.8	8.9W	48 58.682	-0.0012	18	-37 55 41.79	-0.008	18	0.32	58.700	15	35.7	41.67	21	35.7	B9	C8	9046	C -3711950
88	10.5	8.7W	48 59.113	-0.0001	21	-30 8 24.16	0.022	21	0.44	59.115	22	31.6	24.57	21	31.6	M2	C7	9513	C -3014838
89		8.4T	48 59.332	-0.0035	18	-34 57 47.56	-0.019	16	0.82	59.493	18	03.9	46.66	19	02.9	A0	GC	24260	C -3412168
90		5.8T	49 0.191	0.0000	11	-34 24 18.99	0.003	08	0.55	0.189	17	97.3	19.16	17	93.6	K0	GC	24261	C -3412170
91		7.0T	49 2.636	-0.0019	10	-31 18 59.90	-0.015	09	0.57	2.739	15	95.7	59.08	17	93.2	K5	GC	24263	C* -3114712
92	8.7	9.0W	49 7.148	0.0013	13	-38 20 57.62	-0.017	13	0.26	7.130	15	35.7	57.37	21	35.7	B5	C8	9048	C -3812268
93	8.2	8.1W	49 15.791	0.0014	21	-30 12 22.90	0.009	21	0.44	15.765	22	31.6	23.07	21	31.6	F5	C7	9517	C -3014842
94	8.2	8.5W	49 16.095	-0.0040	21	-34 20 35.30	-0.020	21	0.44	16.170	22	31.6	34.93	21	31.6	A0	C7	9518	C -3412177
95	8.0	8.3W	49 20.373	-0.0031	21	-34 55 6.08	-0.024	21	0.44	20.430	22	31.6	5.65	21	31.6	A0	C7	9519	C -3412179
96	10.0	9.0W	49 27.176	0.0004	21	-33 49 59.88	0.024	21	0.44	27.169	22	31.6	+ 0.33	21	31.6	G5	C7	9520	C -3312567
97		6.1T	49 30.193	0.0002	10	-34 6 13.37	0.017	09	0.54	30.180	17	97.1	14.33	17	93.8	K0	GC	24273	C -3412186
98	8.3	8.6W	49 30.590	0.0001	21	-31 37 28.91	-0.005	21	0.44	30.588	22	31.6	28.81	21	31.6	B8	C7	9522	C -3114720
99	9.1	9.0W	49 32.068	-0.0009	21	-30 4 48.49	0.015	21	0.44	32.085	22	31.6	48.77	21	31.6	A5	C7	9523	C -3014851
00	8.8	9.1W	49 34.162	-0.0039	13	-35 12 57.68	-0.049	13	0.26	34.218	15	35.7	56.97	21	35.7	B9	C8	9052	C -3512012

209400			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-30° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	6.5T		17 49 35.252	0.0013	16	-35 0 29.22	0.007	13	0.77		35.186	21	00.6	29.59	19	97.8	AO	GC	24277	C*-3412187
2	9.8	9.5W	49 35.748	-0.0070	21	-30 33 21.97	-0.053	21	0.44		35.877	22	31.6	21.00	21	31.6	F0	C7	9525	C -3014855
3	8.9	8.9W	49 36.037	-0.0003	13	-39 14 40.50	-0.016	13	0.26		36.041	15	35.7	40.27	21	35.7	A3	C8	9054	C -3911955
4		6.0T	49 36.084	0.0038	13	-35 36 46.38	-0.047	12	0.70		35.883	18	97.1	43.85	17	96.2	F2	GC	24278	C -3512013
5	8.7	9.0W	49 42.258	-0.0000	09	-35 9 15.76	-0.041	09	0.22		42.258	15	35.7	15.17	21	35.7	A0	C8	9055	C -3512015
6	10.9	9.6W	49 43.409	-0.0021	21	-32 18 58.55	-0.018	21	0.44		43.447	22	31.6	58.21	21	31.6	K7	C7	9526	C -3213455
7	8.5	7.3W	49 50.977	-0.0009	18	-37 4 10.22	-0.031	18	0.32		50.990	15	35.7	9.77	21	35.7	K0	C8	9056	C -3711957
8	10.3	8.9W	49 51.329	-0.0004	21	-31 19 42.51	0.005	21	0.44		51.337	22	31.6	42.60	21	31.6	K5	C7	9527	C -3114731
9		6.8T	49 56.202	0.0017	26	-34 36 37.45	0.003	22	1.12		56.125	22	04.9	37.59	22	04.2	B9	GC	24285	C -3412198
10		6.8T	49 56.914	0.0001	10	-32 1 19.37	-0.001	08	0.51		56.908	15	98.2	19.33	14	96.7	K0	GC	24286	C -3114733
11		6.2T	49 59.492	0.0005	12	-34 43 13.70	-0.001	09	0.61		59.465	17	97.4	13.65	17	93.5	B9	GC	24290K	C*-3412200
12	10.5	9.5W	50 0.580	-0.0031	21	-30 41 23.29	0.022	21	0.44		0.637	22	31.6	23.70	21	31.6	K5	C7	9531	C -3014863
13		7.3T	50 2.726	-0.0017	14	-35 0 23.38	0.013	14	0.74		2.810	21	99.4	24.03	19	00.2	B9	GC	24293	C -3412201
14	9.5	9.7W	50 2.851	0.0013	13	-39 59 55.53	-0.032	13	0.26		2.832	15	35.7	55.07	21	35.7	A0	C8	9058	C -3911963
15	9.1	9.1W	50 2.970	-0.0016	21	-33 45 13.42	0.049	21	0.44		2.999	22	31.6	14.33	21	31.6	A0	C7	9533	C -3312579
16		5.7T	50 3.018	-0.0007	09	-34 53 6.09	-0.010	07	0.49		3.055	17	95.6	5.48	15	90.0	K0	GC	24294K	C*-3412203
17	9.5	9.4W	50 3.674	0.0017	09	-36 57 7.37	-0.007	09	0.22		3.650	15	35.7	7.27	21	35.7	A0	C8	9059	C -3611979
18	9.2	7.7W	50 6.287	-0.0072	21	-34 23 20.64	0.010	21	0.44		6.420	22	31.6	20.83	21	31.6	K5	C7	9535	C -3412207
19		8.1T	50 6.818	0.0010	13	-36 29 53.18	0.031	14	0.71		6.768	21	00.3	54.70	19	00.9	A0	GC	24297	C -3611983
20	9.4	9.3W	50 9.020	0.0001	21	-32 28 55.32	0.016	21	0.44		9.018	22	31.6	55.61	21	31.6	A0	C7	9536	C -3213461
21		8.3T	50 9.891	0.0017	18	-39 52 7.00	-0.012	18	0.86		9.816	22	04.8	6.46	22	04.4	K0	GC	24298	C*-3911965
22	7.0	7.4W	50 14.582	0.0023	21	-34 51 19.88	-0.029	21	0.44		14.540	22	31.6	19.35	21	31.6	A0	C7	9537	C -3412213
23	8.7	8.9W	50 19.155	-0.0004	13	-39 15 10.67	-0.035	13	0.26		19.161	15	35.7	10.17	21	35.7	A0	C8	9067	C -3911967
24	9.3	9.4W	50 20.538	-0.0022	18	-38 29 5.03	0.031	18	0.32		20.570	15	35.7	5.47	21	35.7	B5	C8	9068	C -3812286
25		6.4T	50 25.342	0.0008	11	-34 46 34.68	-0.003	09	0.56		25.300	17	96.8	34.51	17	94.8	A0	GC	24307	C -3412219
26	7.4	7.8W	50 26.696	0.0014	21	-34 50 11.45	0.010	21	0.44		26.670	22	31.6	11.64	21	31.6	A0	C7	9539	C -3412220
27	8.9	9.2W	50 28.951	-0.0021	13	-38 56 23.20	-0.058	13	0.26		28.981	15	35.7	22.37	21	35.7	B8	C8	9069	C*-3812288
28		6.1T	50 34.698	0.0018	06	-34 44 35.22	-0.003	05	0.24		34.625	09	09.7	35.09	09	07.9	B9	GC	24314	C -3412226
29	9.0	8.3W	50 36.183	0.0008	21	-32 28 7.48	-0.014	21	0.44		36.168	22	31.6	7.21	21	31.6	G5	C7	9541	C*-3213472
30		6.5T	50 37.860	0.0006	20	-34 49 18.80	-0.023	26	1.07		37.831	22	02.9	17.75	22	04.7	A0	GC	24318	C -3412228
31	8.3	7.2W	50 42.870	0.0030	09	-35 11 44.42	-0.094	09	0.22		42.828	15	35.7	43.07	21	35.7	K0	C8	9070	C -3512029
32	10.4	9.1W	50 45.458	-0.0001	21	-33 27 49.59	-0.042	21	0.44		45.459	22	31.6	48.83	21	31.6	K2	C7	9543	C -3312599
33	8.5	8.9W	50 48.815	-0.0005	13	-39 37 11.79	-0.022	13	0.26		48.822	15	35.7	11.47	21	35.7	A0	C8	9071	C -3911979
34	7.9	8.1W	50 50.081	-0.0012	08	-35 52 27.99	-0.022	08	0.22		50.099	15	35.7	27.67	21	35.7	B9	C8	9072	C -3512034
35	7.2	7.5W	50 52.730	0.0011	21	-34 48 51.33	0.006	21	0.44		52.710	22	31.6	51.45	21	31.6	A0	C7	9544	C*-3412236
36		6.9T	50 54.378	0.0013	12	-34 43 6.20	-0.001	09	0.62		54.310	18	98.4	6.14	18	93.4	A0	GC	24324	C -3412237
37	8.9	8.9W	50 55.170	0.0018	21	-30 51 30.74	0.030	21	0.44		55.137	22	31.6	31.30	21	31.6	A2	C7	9546	C -3014889
38	8.0	8.1W	50 55.830	0.0015	18	-36 21 51.23	0.017	18	0.32		55.809	15	35.7	51.47	21	35.7	A2	C8	9073	C -3611995
39		7.0T	50 57.184	-0.0003	11	-38 36 54.93	-0.081	10	0.60		57.201	21	98.6	50.54	21	95.8	F2	GC	24325	C -3812296
40	8.7	8.7W	50 58.001	-0.0014	21	-30 51 6.33	0.031	21	0.44		58.027	22	31.6	6.90	21	31.6	A2	C7	9547	C -3014892
41	9.8	8.6W	50 59.474	0.0002	13	-38 49 10.00	-0.009	13	0.26		59.471	15	35.7	9.87	21	35.7	K0	C8	9075	C -3812297
42	8.6	8.8W	51 1.248	-0.0032	21	-31 15 6.20	0.027	21	0.44		1.307	22	31.6	6.70	21	31.6	B9	C7	9548	C -3114760
43		7.2T	51 1.798	0.0017	12	-34 52 9.30	0.009	09	0.57		1.711	17	99.4	9.80	17	95.1	A0	GC	24326	C -3412239
44	9.2	6.0W	51 2.386	0.0018	14	-37 26 28.14	0.023	14	0.27		2.360	15	35.7	28.47	21	35.7	K0	C8	9076	C -3711969
45	8.8	8.5W	51 6.325	-0.0089	21	-33 36 26.82	-0.092	21	0.44		6.490	22	31.6	25.13	21	31.6	G0	C7	9550	C -3312603
46		6.0T	51 7.501	0.0009	11	-34 27 28.05	0.006	09	0.58		7.452	15	97.8	28.40	17	91.8	A0	GC	24329	C*-3412244
47	8.6	8.8W	51 14.936	0.0009	21	-33 56 0.35	0.004	21	0.44		14.920	22	31.6	0.43	21	31.6	A0	C7	9552	C -3312606
48	8.3	8.5W	51 17.512	0.0001	13	-39 23 43.03	-0.060	13	0.26		17.511	15	35.7	42.17	21	35.7	A0	C8	9078	C -3911989
49	7.5	7.9W	51 19.474	-0.0003	21	-33 56 51.12	0.022	21	0.44		19.480	22	31.6	51.53	21	31.6	B9	C7	9553	C -3312608
50	7.4	7.7W	51 22.933	0.0040	21	-33 53 48.48	0.019	21	0.44		22.860	22	31.6	48.83	21	31.6	A0	C7	9554	C -3312609
51		6.6T	17 51 28.317	0.0041	18	-34 32 0.29	0.014	16	0.84		28.127	21	03.7	0.96	19	01.4	A0	GC	24336	C -3412253
52	9.4	9.6W	51 31.910	0.0007	18	-37 33 40.03	-0.004	18	0.32		31.900	15	35.7	39.97	21	35.7	A0	C8	9079	C -3711977
53	8.1	8.4W	51 32.673	0.0018	21	-34 44 35.93	-0.135	21	0.44		32.640	22	31.6	33.45	21	31.6	A0	C7	9556	C -3412254
54	9.9	9.3W	51 32.763	-0.0003	21	-32 6 23.64	-0.050	21	0.44		32.767	22	31.6	22.71	21	31.6	G0	C7	9557	C -3213490
55		8.0T	51 32.864	-0.0008	20	-35 4 50.31	0.019	16	0.86		32.899	22	04.4	51.23	21	01.7	B9	GC	24339	C -3512053
56	9.0	9.1W	51 37.084	0.0024	21	-33 11 15.67	0.008	21	0.44		37.039	22	31.6	15.83	21	31.6	B3	C7	9558	C -3312612
57	9.3	9.0W	51 44.203	-0.0048	13	-39 33 31.62	-0.052	13	0.26		44.272	15	35.7	30.87	21	35.7	F8	C8	9082	C -3911995
58		6.1T	51 44.765	-0.0011	11	-36 28 3.37	-0.009	08	0.55		44.823	17	97.3	2.84	18	90.8	A2	GC	24344	C -3612008
59	8.4	8.6W	51 47.632	-0.0004	08	-35 8 33.56	-0.048	08	0.22		47.638	15	35.7	32.87	21	35.7	A0	C8	9085	C -3512056
60			51 55.891	-0.0015	21	-34 13 39.66	-0.007	21	0.44		55.920	22	31.6	39.53	21	31.6	A0	C7	9559V	C*-3412262
61	8.7	8.6W	51 56.704	-0.0033	13	-38 50 13.03	-0.039	13	0.26		56.751	15	35.7	12.47	21	35.7	F0	C8	9088	C -3812311
62	10.5	9.1W	52 0.383	-0.0003	21	-31 56 18.30	-0.021	21	0.44		0.387	22	31.6	17.91	21	31.6	K0	C7	9560	C -3114792
63	9.7	8.2W	52 2.597	-0.0011	21	-30 35 36.36	-0.036	21	0.44		2.617	22	31.6	35.70	21	31.6	K5	C7	9561	C -3014925
64	10.1	8.6W	52 10.666	0.0009	21	-34 9 24.87	0.003	21	0.44		10.650	22	31.6	24.93	21	31.6	K5	C7	9562	C -3412269
65	9.3	7.7W	52 12.471	0.0008	13	-38 8 28.60	-0.030	13	0.26		12.460	15	35.7	28.17	21	35.7	K2	C8	9090	C -3812315
66	9.5	8.1W	52 12.889	-0.0021	21	-31 59 33.67	-0.030	21	0.44		12.928	22	31.6	33.11	21	31.6	K2	C7	9563	C -3114800
67	9.8	8.5W	52 13.464	0.0003	13	-37 56 44.87	-0.014	13	0.26		13.460	15	35.7	44.67	21	35.7	K0	C8	9091	C -3711990
68	8.9	9.1W	52 14.809	0.0016	21	-33 49 16.07	0.003	21	0.44		14.780	22	31.6	16.13	21	31.6	A0	C7	9564	C -3312623
69	9.6	9.8W	52 15.171	-0.0007	18	-38 57 15.29	-0.008	18	0.32		15.181	15	35.7	15.17	21	35.7	B8	C8	9092	C -3812314
70	9.0	9.1W	52 16.407	-0.0036	13	-35 43 26.59	-0.022	13	0.26		16.459	15	35.7	26.27	21	35.7	A2	C8	9093	C -3512061
71	8.5	7.8W	52 16.557	-0.0004	21	-30 0 51.61	-0.002	21	0.44		16.565	22	31.6	51.57	21	31.6	K0	C7	9565	C -2914193
72		8.1T	52 17.869	-0.0015	12	-38 40 14.84	-0.019	10	0.61		17.947	22	99.3	13.80	21	95.1	B5	GC	24357	C -3812316
73	9.7	8.1W	52 18.914	-0.0013	21	-31 56 56.27	-0.019	21	0.44		18.938	22	31.6	55.91	21	31.6	K5	C7	9566	C -3114803
74	8.7	8.6W	52 19.855	-0.0023	21	-30 32 41.28	0.023	21	0.44		19.897	22	31.6	41.70	21	31.6	B3	C7	9567	C -3014934
75	8.6	8.9W	52 19.943	-0.0035	21	-30 40 32.70	0.038	21	0.44		20.007	22	31.6	33.40	21	31.6	B9	C7	9568	C -3014933
76	8.8	7.9W	52 20.517	0.0011	10	-39 20 23.17	-0.035	10	0.23		20.501	15	35.7	22.67	21	35.7	K0	C8	9095	C -3912009
77	10.0	9.1W	52 21.393	0.0026	21	-30 5 57.11	0.003	21	0.44		21.345	22	31.6	57.17	21	31.6	K0	C7	9569	C -3014937
78	9.5	9.5W	52 26.102	0.0003	13	-35 18 43.89	-0.057	13	0.26		26.098	15	35.7	43.07	21	35.7	A2	C8	9096	C -3512062
79	9.7	9.4W	52 26.248	-0.0015	13	-37 8 43.22	0.004	13	0.26		26.270	15	35.7	43.27	21	35.7	F0	C8	9098	C -3711993
80	7.2	7.5W	52 31.626	-0.0028	21	-30 33 51.17	0.034	21	0.44		31.677	22	31.6	51.80	21	31.6	A0	C7	9571	C -3014939
81	8.8	7.6W	52 31.730	-0.0021	18	-37 3 4.64	0.002	18	0.32		31.760	15	35.7	4.67	21	35.7	K0	C8	9100	C -3711994
82	7.7	8.1W	52 36.807	-0.0012	21	-34 16 46.29	0.002	21	0.44		36.830	22	31.6	46.33	21	31.6	B9	C7	9572	C -3412277
83	8.8	9.0W	52 36.942	0.0012	21	-33 7 22.69	0.029	21	0.44		36.919	22	31.6	23.23	21	31.6	A0	C7	9573	C -3312629
84		8.4T	52 40.446	-0.0003	17	-35 2 21.77	-0.004	14	0.79		40.459	19	01.5	21.57	18	00.2	A0	GC	24365	C -3512067
85	9.2	9.3W	52 45.258	-0.0022	21	-31 50 8.19	0.029	21	0.44		45.297	22	31.6	8.71	21	31.6	A0	C7	9575	C -3114819
86		6.7T	52 47.203	0.0004	12	-35 2 33.03	-0.028	09	0.55		47.181	14	00.0	31.55	15	97.1	B9	GC	24366	C -3512070
87	11.4	9.7W	52 48.442	0.0024	30	-35 10 8.48	-0.042	30	0.47		48.408	15	35.7	7.87	21	35.7		C8	9103	C -3512069
88	9.0	8.9W	52 52.284	0.0020	21	-31 14 34.48	0.028	21	0.44		52.247	22	31.6	35.00	21	31.6	A2	C7	9576	C -3114821
89		6.6T	52 59.761	0.0005	07	-32 28 6.52	-0.002	06	0.31		59.739	12	06.9	6.44	12	04.4	QE5	GC	24371	C*-3213517
90	9.4	9.4W	53 0.108	-0.0022	10	-37 2 12.36	0.001	10	0.23		0.140	15	35.7	12.37	21	35.7	A2	C8	9105	C -3712001
91	10.5	8.8W	53 1.168	0.0027	13	-38 29 58.76	-0.006	13	0.26		1.130	15	35.7	58.67	21	35.7	K5	C8	9107	C -3812324
92	8.6	8.9W	53 2.960	0.0006	18	-38 36 31.87	-0.014	18	0.32		2.951	15	35.7	31.67	21	35.7	B9	C8	9108	C -3812325
93	8.4	8.7W	53 3.487	-0.0012	21	-34 29 28.79	-0.009	21	0.44		3.509	22	31.6	28.63	21	31.6	A0	C7	9578	C -3412283
94	10.1	9.2W	53 4.673	0.0014	21	-31 10 57.12	-0.066	21	0.44		4.647	22	31.6	55.90	21	31.6	K0	C7	9579	C -3114824
95	8.7	7.3W	53 13.395	-0.0000	21	-30 11 28.20	-0.056	21	0.44		13.395	22	31.6	27.17	21	31.6	K5	C7	9580	C -3014959
96	8.1	8.2W	53 20.975	-0.0041	21	-34 31 33.07	-0.083	21	0.44		21.050	22	31.6	31.55	21	31.6	A3	C7	9581	C -3412289
97		7.6W	53 21.319	0.0041	20	-39 55 34.67	0.030	22	1.01		21.124	21	03.0	36.08	21	03.3	+++	GC	24381K	C*-3912027
98	9.2	9.3W	53 21.443	0.0014	21	-31 6 43.48	0.001	21	0.44		21.417	22	31.6	43.50	21	31.6	B8	C7	9582	C -3114829
99	9.0	8.8W	53 24.363	0.0008	13	-38 31 58.10	-0.002	13	0.26		24.351	15	35.7	58.07	21	35.7	F5	C8	9111	C -3812327
00	7.3	7.6W	53 25.375	-0.0030	13	-35 11 44.75	-0.033	13	0.26		25.418	15	35.7	44.27	21	35.7	B9	C8	9112	C -3512064

209500			EPOCH 1950									ORIGINAL EPOCH							SP.	SOURCE		-30° 17H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	σ_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01						
1	10.2	8.6W	17 53	27.690	0.0007	13	-36 39	23.03	0.010	13	0.26	27.680	15	35.7	23.17	21	35.7	K5	C8	9113	C -3612034	
2	8.4	8.7W	53	28.002	-0.0025	21	-31 30	56.79	-0.004	21	0.44	28.048	22	31.6	56.71	21	31.6	B9	C7	9583	C -3114035	
3		6.6T	53	33.417	0.0014	12	-32 40	58.58	0.000	10	0.62	33.343	18	97.8	58.59	18	95.1	B9	GC	24388	C*-3213529	
4	8.4	8.6W	53	35.466	0.0003	21	-34 44	39.23	0.017	21	0.44	35.460	22	31.6	39.35	21	31.6	A0	C7	9585	C -3412293	
5	9.8	8.7W	53	35.824	-0.0017	13	-36 16	0.31	0.018	13	0.26	35.849	15	35.7	0.57	21	35.7	G5	C8	9114	C -3612039	
6	9.3	9.5W	53	37.556	-0.0017	21	-30 41	27.67	0.018	21	0.44	37.587	22	31.6	28.00	21	31.6	B8	C7	9586	C -3014968	
7	8.5	8.2W	53	39.765	-0.0087	21	-30 16	50.06	0.022	21	0.44	39.926	22	31.6	50.47	21	31.6	B8	C7	9587	C -3014970	
8	7.8	8.1W	53	43.975	0.0008	21	-33 24	9.24	0.026	21	0.44	43.959	22	31.6	9.73	21	31.6	A0	C7	9588	C -3312646	
9	10.1	8.3W	53	48.084	0.0003	13	-37 15	0.29	-0.008	13	0.26	48.080	15	35.7	0.17	21	35.7	K5	C8	9116	C -3712012	
10	7.3	7.7W	53	49.801	-0.0007	13	-38 46	37.84	0.002	13	0.26	49.811	15	35.7	37.87	21	35.7	B9	C8	9117	C -3812331	
11	8.8	8.8W	53	50.729	0.0011	21	-34 14	40.41	0.039	21	0.44	50.710	22	31.6	41.13	21	31.6	F0	C7	9589	C -3412297	
12	8.6	8.4W	53	54.839	-0.0064	13	-38 54	10.92	0.011	13	0.26	54.931	15	35.7	11.07	21	35.7	F8	C8	9118	C -3812333	
13	9.3	9.2W	53	56.524	0.0015	13	-39 50	13.19	-0.029	13	0.26	56.502	15	35.7	12.77	21	35.7	A2	C8	9119	C -3912042	
14	9.4	9.4W	53	56.897	0.0000	21	-31 29	58.79	0.006	21	0.44	56.897	22	31.6	58.90	21	31.6	A0	C7	9590	C -3114850	
15	8.7	9.1W	54	1.574	-0.0018	21	-30 38	55.77	0.061	21	0.44	1.607	22	31.6	56.90	21	31.6	B8	C7	9591	C -3014981	
16	8.4	8.5W	54	5.538	0.0010	21	-34 55	24.54	0.027	21	0.44	5.520	22	31.6	25.05	21	31.6	A2	C7	9592	C -3412304	
17	8.2	7.3W	54	8.633	0.0023	06	-38 5	4.36	-0.048	06	0.20	8.600	15	35.7	3.67	21	35.7	K0	C8	9120	C -3812337	
18	9.2	9.3W	54	11.258	0.0011	21	-31 30	17.67	-0.003	21	0.44	11.238	22	31.6	17.61	21	31.6	B5	C7	9593	C -3114858	
19		6.7T	54	12.795	-0.0016	14	-39 5	47.50	-0.023	13	0.70	12.875	18	01.3	46.34	19	99.5	A0	GC	24400	C -3912049	
20	7.8	8.3W	54	13.778	0.0027	21	-32 2	40.35	-0.018	21	0.44	13.728	22	31.6	40.01	21	31.6	B5	C7	9594	C -3213544	
21	8.2	8.2W	54	17.962	-0.0019	21	-31 0	36.32	0.015	21	0.44	17.997	22	31.6	36.60	21	31.6	OE5	C7	9595	C -3014987	
22	9.6	9.5W	54	18.457	0.0041	09	-35 58	2.69	-0.022	09	0.22	18.429	15	35.7	2.37	21	35.7	F8	C8	9122	C -3512086	
23	9.4	9.3W	54	24.822	-0.0025	13	-35 16	25.33	-0.039	13	0.26	24.858	15	35.7	24.77	21	35.7	A3	C8	9123	C -3512101	
24		6.4T	54	29.693	-0.0005	13	-39 7	54.65	-0.039	12	0.68	29.720	22	99.5	52.56	21	96.6	A0	GC	24411K	C*-3912058	
25		6.9T	54	34.310	-0.0007	15	-36 0	13.04	-0.032	12	0.70	34.344	15	01.8	11.41	17	99.1	A0	GC	24416K	C*-3512103	
26	9.9	8.3W	54	37.280	-0.0028	08	-38 14	24.07	0.014	08	0.22	37.320	15	35.7	24.27	21	35.7	K5	C8	9126	C -3812347	
27	7.9	8.3W	54	40.139	-0.0000	21	-33 56	42.32	0.006	21	0.44	40.140	22	31.6	42.43	21	31.6	A0	C7	9596	C -3312661	
28	9.3	9.2W	54	44.027	-0.0023	18	-37 26	54.50	0.012	18	0.32	44.060	15	35.7	54.67	21	35.7	F0	C8	9127	C -3712023	
29	7.2	7.6W	54	47.970	0.0019	21	-30 3	39.16	0.011	21	0.44	47.936	22	31.6	39.37	21	31.6	B8	C7	9597	C -3015000	
30	9.0	8.7W	54	51.500	0.0007	10	-38 10	8.67	-0.014	10	0.23	51.490	15	35.7	8.47	21	35.7	F5	C8	9129	C -3812349	
31	10.4	9.5W	55	2.120	0.0001	21	-32 19	42.34	0.004	21	0.44	2.118	22	31.6	42.41	21	31.6	K0	C7	9598	C -3213561	
32	9.0	8.1W	55	5.286	-0.0015	13	-35 3	44.78	-0.049	13	0.26	5.308	15	35.7	44.07	21	35.7	K0	C8	9130	C -3512113	
33	10.0	8.6W	55	5.468	-0.0001	21	-32 54	19.88	0.024	21	0.44	5.469	22	31.6	20.33	21	31.6	K5	C7	9599	C -3213564	
34	10.2	9.0W	55	5.475	-0.0009	13	-35 9	15.02	-0.031	13	0.26	5.488	15	35.7	14.57	21	35.7	K0	C8	9131	C -3512112	
35	9.5	9.0W	55	8.307	-0.0008	23	-36 26	44.04	0.023	23	0.38	8.319	15	35.7	44.37	21	35.7	A2	C8	9132	C -3612055	
36	8.8	9.0W	55	9.465	0.0031	21	-32 24	43.18	0.002	21	0.44	9.407	22	31.6	43.21	21	31.6	A0	C7	9600	C -3213565	
37	8.9	8.0W	55	10.495	0.0004	09	-37 58	11.62	-0.003	09	0.22	10.490	15	35.7	11.57	21	35.7	K0	C8	9133	C -3712036	
38	9.3	9.4W	55	12.353	0.0010	21	-30 23	56.30	-0.002	21	0.44	12.336	22	31.6	56.27	21	31.6	A0	C7	9601	C -3015010	
39	9.0	9.1W	55	17.713	-0.0019	21	-31 58	47.75	0.031	21	0.44	17.748	22	31.6	48.31	21	31.6	A0	C7	9602	C -3114889	
40	10.0	8.8W	55	22.118	0.0028	13	-35 7	24.13	-0.025	13	0.26	22.078	15	35.7	23.77	21	35.7	K0	C8	9134	C -3512119	
41	9.5	9.2W	55	25.426	0.0014	21	-33 19	19.27	0.008	21	0.44	25.399	22	31.6	19.43	21	31.6	F5	C7	9603	C -3312682	
42	8.9	8.7W	55	27.090	0.0012	21	-31 47	56.74	0.004	21	0.44	27.067	22	31.6	56.81	21	31.6	B0	C7	9604	C -3114893	
43	8.0	8.0W	55	27.585	-0.0045	13	-36 51	29.25	-0.033	13	0.26	27.650	15	35.7	28.77	21	35.7	F0	C8	9135	C -3612058	
44	9.9	8.6W	55	31.095	-0.0039	21	-31 7	43.72	-0.012	21	0.44	31.167	22	31.6	43.50	21	31.6	K5	C7	9605	C -3114894	
45		5.8T	55	31.737	0.0007	07	-36 51	18.74	0.013	06	0.30	31.710	10	08.6	19.35	10	03.4	G5	GC	24435K	C -3612060	
46	8.9	8.9W	55	33.010	0.0030	21	-30 19	14.04	-0.020	21	0.44	32.955	22	31.6	13.67	21	31.6	B9	C7	9606	C -3015023	
47	7.3	7.6W	55	36.670	-0.0008	18	-38 49	23.74	-0.026	18	0.32	36.681	15	35.7	23.37	21	35.7	A0	C8	9137	C -3812369	
48	9.9	9.3W	55	39.928	0.0121	21	-30 9	33.49	-0.588	21	0.44	39.705	22	31.6	22.67	21	31.6	G0	C7	9607	C -3015026	
49	9.5	9.3W	55	43.330	0.0029	21	-30 45	40.23	0.009	21	0.44	43.277	22	31.6	40.40	21	31.6	A2	C7	9608	C -3015027	
50	8.4	6.8W	55	43.504	-0.0005	08	-38 34	11.45	-0.012	08	0.22	43.511	15	35.7	11.27	21	35.7	K5	C8	9139	C -3812370	
51		7.7T	17 55	46.846	-0.0035	20	-36 1	50.19	-0.049	16	0.89	47.011	21	02.8	47.76	21	00.5	G5	GC	24445	C -3612063	
52		6.8T	55	49.486	0.0025	11	-36 56	8.06	-0.006	14	0.68	49.361	21	99.4	7.77	21	00.5	A0	GC	24449K	C*-3612064	
53		7.0T	55	52.819	-0.0014	14	-30 15	0.87	-0.002	10	0.66	52.892	18	98.5	0.74	18	94.7		GC	24452K	C -3015035	
54	10.1	8.7W	55	53.182	-0.0014	21	-31 56	27.37	-0.068	21	0.44	53.207	22	31.6	26.11	21	31.6	K5	C7	9610	C -3114903	
55	8.3	8.6W	55	53.662	0.0002	05	-36 0	15.56	-0.020	05	0.20	53.659	15	35.7	15.27	21	35.7	A0	C8	9144	C -3512129	
56	9.8	8.8W	55	53.912	-0.0004	21	-33 44	12.79	0.002	21	0.44	53.920	22	31.6	12.83	21	31.6	K0	C7	9611	C -3312687	
57	9.2	9.4W	55	54.437	-0.0022	13	-36 5	33.82	-0.031	13	0.26	54.469	15	35.7	33.37	21	35.7	A0	C8	9145	C -3612066	
58	8.7	8.5W	56	0.704	-0.0034	21	-31 26	21.54	0.025	21	0.44	0.767	22	31.6	22.00	21	31.6	F8	C7	9612	C -3114907	
59	10.7	9.4W	56	2.407	0.0027	21	-31 5	58.10	0.049	21	0.44	2.357	22	31.6	59.00	21	31.6	M0	C7	9613	C -3114910	
60		7.3T	56	6.002	0.0008	17	-36 1	6.00	-0.010	11	0.71	5.964	15	02.8	5.49	18	99.6	OE	GC	24463	C -3612072	
61	8.1	8.5W	56	9.434	-0.0018	21	-30 38	31.12	-0.012	21	0.44	9.467	22	31.6	30.90	21	31.6	B9	C7	9614	C -3015040	
62	10.6	9.4W	56	20.503	0.0014	21	-31 7	57.77	0.018	21	0.44	20.477	22	31.6	58.10	21	31.6	K5	C7	9615	C -3114916	
63	9.0	9.3W	56	22.674	0.0030	21	-33 39	0.92	0.033	21	0.44	22.620	22	31.6	1.53	21	31.6	B9	C7	9616	C -3312696	
64	8.1	7.2W	56	30.002	0.0001	06	-39 3	37.68	-0.007	06	0.20	30.001	15	35.7	37.57	21	35.7	K0	C8	9148	C -3912098	
65	9.6	9.7W	56	31.294	-0.0017	18	-36 28	35.84	-0.012	18	0.32	31.319	15	35.7	35.67	21	35.7	A0	C8	9149	C -3612076	
66	8.2	8.4W	56	31.428	-0.0022	13	-37 16	5.85	-0.026	13	0.26	31.460	15	35.7	5.47	21	35.7	A0	C8	9150	C -3712057	
67	9.9	8.4W	56	37.053	0.0010	21	-30 19	14.53	0.002	21	0.44	37.036	22	31.6	14.57	21	31.6	MA	C7	9617	C -3015065	
68	8.3	8.3W	56	37.655	-0.0002	21	-33 53	18.76	0.009	21	0.44	37.659	22	31.6	18.93	21	31.6	B2	C7	9618	C -3312697	
69		7.2T	56	38.624	0.0023	08	-33 24	22.30	-0.004	07	0.36	38.519	12	04.7	22.12	12	04.0	B3	GC	24480	C*-3312700	
70			56	42.079	0.0014	13	-35 55	32.99	-0.036	13	0.26	42.059	15	35.7	32.47	21	35.7	MA	C8	9151X	C -3512140	
71	9.0	9.2W	56	43.645	-0.0024	15	-37 21	11.23	-0.032	15	0.28	43.680	15	35.7	10.77	21	35.7	A2	C8	9152	C -3712062	
72	8.0	8.4W	56	46.914	-0.0018	13	-37 53	38.90	-0.023	13	0.26	46.940	15	35.7	38.57	21	35.7	B8	C8	9153	C -3712063	
73	9.1	9.1W	56	48.569	-0.0071	21	-34 41	8.28	0.003	21	0.44	48.700	22	31.6	8.35	21	31.6	A2	C7	9620	C -3412349	
74	8.6	9.1W	56	49.656	-0.0030	13	-35 38	50.40	-0.009	13	0.26	49.699	15	35.7	50.27	21	35.7	B5	C8	9155	C -3512142	
75		7.2T	56	50.214	-0.0035	09	-39 14	45.69	-0.093	09	0.56	50.427	18	89.7	40.01	18	88.9	F8	GC	24484	C -3912104	
76		7.0T	56	50.265	0.0025	22	-37 24	21.69	0.013	20	0.97	50.155	22	05.4	22.28	21	04.8	B8	GC	24485	C -3712064	
77	10.2	9.3W	56	54.759	-0.0048	21	-30 37	55.52	-0.028	21	0.44	54.847	22	31.6	55.00	21	31.6	K0	C7	9621	C -3015072	
78	9.3	9.5W	56	56.699	-0.0000	06	-35 56	7.94	-0.026	06	0.20	56.699	15	35.7	7.57	21	35.7	B9	C8	9158	C -3512144	
79	9.1	9.2W	57	0.449	-0.0014	21	-30 9	50.38	0.032	21	0.44	0.476	22	31.6	50.97	21	31.6	B9	C7	9622	C -3015079	
80		8.0T	57	3.783	0.0019	11	-39 39	54.86	-0.023	10	0.58	3.687	19	98.0	53.65	18	97.1	K0	GC	24491	C -3912105	
81	8.9	7.8W	57	4.677	0.0005	08	-38 21	20.38	-0.007	08	0.22	4.670	15	35.7	20.27	21	35.7	K0	C8	9161	C -3812390	
82	9.2	9.4W	57	5.020	0.0014	13	-38 6	2.93	-0.053	13	0.26	5.000	15	35.7	2.17	21	35.7	B9	C8	9162	C -3812392	
83	9.8	8.9W	57	7.477	-0.0036	13	-35 44	43.80	-0.016	13	0.26	7.529	15	35.7	43.57	21	35.7	K0	C8	9164	C -3512148	
84	10.6	9.1W	57	14.014	0.0019	21	-33 54	49.85	0.037	21	0.44	13.980	22	31.6	50.53	21	31.6	K5	C7	9623	C -3312712	
85	8.9	7.9W	57	15.191	0.0001	13	-36 57	55.28	-0.021	13	0.26	15.190	15	35.7	54.97	21	35.7	K0	C8	9165	C -3612094	
86	9.7	8.8W	57	22.357	0.0000	21	-31 5	27.59	0.006	21	0.44	22.357	22	31.6	27.70	21	31.6	K0	C7	9624	C -3114938	
87	9.9	9.0W	57	23.256	0.0004	13	-37 29	46.77	-0.014	13	0.26	23.250	15	35.7	46.57	21	35.7	G5	C8	9166	C -3712074	
88	9.6	8.6W	57	25.886	-0.0040	21	-34 42	22.63	0.033	21	0.44	25.960	22	31.6	23.25	21	31.6	K0	C7	9625	C -3412361	
89		9.2R	57	28.796	-0.0053	21	-30 12	45.89	-0.150	21	0.38	28.883	16	33.6	43.43	16	33.6	G5	M 13B	11549	J -3015090	
90	9.5	9.2W	57	34.738	0.0040	13	-39 6	15.73	-0.095	13	0.26	34.681	15	35.7	14.37	21	35.7	G0	C8	9167	C -3912119	
91	9.7	9.5W	57	37.432	0.0002	13	-35 38	15.00	-0.009	13	0.26	37.429	15	35.7	14.87	21	35.7	F2	L C8	9168	C -3512153	
92	9.0	8.0W	57	39.198	0.0005	21	-34 0	19.36	0.047	21	0.44	39.190	22	31.6	20.23	21	31.6	K0	C7	9626	C -3312723	
93	8.0	8.4W	57	43.674	0.0003	09	-37 29	54.13	-0.011	09	0.22	43.670	15	35.7	53.97	21	35.7	B8	C8	9169	C -3712079	
94	8.6	8.8W	57	50.649	-0.0013	13	-35 19	43.06	-0.027	13	0.26	50.668	15	35.7	42.67	21	35.7	A0	C8	9171	C -3512159	
95	10.1	10.4W	57	51.887	-0.0016	18	-36 42	21.63	-0.011	18	0.32	51.910	15	35.7	21.47	21	35.7	A0	L C8	9172	C -3612105	
96	10.4	9.2W	57	55.721	-0.0025	21	-31 10	33.17	-0.004	21	0.44	55.767	22	31.6	33.10	21	31.6	G5	C7	9627	C -3114952	
97	8.5	8.9W	57	58.720	0.0022	13	-36 23	17.30	-0.023	13	0.26	58.689	15	35.7	16.97	21	35.7	B9	C8	9173	C -3612108	
98	9.1	9.2W	57	59.128	-0.0021	21	-30 58	35.95	0.133	21	0.44	59.167	22	31.6	38.40	21	31.6	A0	C7	9628	C -3015100	
99	8.7	8.9W	58	2.862	-0.0015	21	-32 44	6.35	-0.029	21	0.44	2.889	22	31.6	5.83	21	31.6	A0	C7	9629	C -3213617	
00	9.5	9.7W	58	3.901	0.0008	18	-37 35	32.40	-0.002	18	0.32	3.890	15	35.7	32.37	21	35.7	A0	C8	9175	C -3712086	

209600			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-30° 17H	
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	9.9	8.9W	17 58 5.272	-0.0034	21	-30 9 46.28	0.097	21	0.44	5.335	22	31.6	48.07	21	31.6	KO	C7	9630	C*-3015101	
2		6.7T	58 5.780	0.0039	18	-38 4 54.81	-0.008	18	0.84	5.606	19	05.0	54.46	21	05.4	B9	GC	24505	C -3812403	
3	10.2	9.3W	58 5.971	0.0002	13	-35 20 57.29	-0.001	13	0.26	5.968	15	35.7	57.27	21	35.7	KO L	C8	9177	C -3512164	
4	8.5	8.4W	58 8.014	-0.0013	21	-31 44 51.33	0.010	21	0.44	8.037	22	31.6	51.51	21	31.6	F2	C7	9631	C -3114958	
5	8.3	8.5W	58 13.698	-0.0065	21	-35 0 33.68	-0.017	21	0.44	13.818	22	31.6	33.37	21	31.6	A0	C7	9632	C -3512169	
6	10.0	9.0W	58 19.102	-0.0069	21	-34 24 40.97	0.030	21	0.44	19.230	22	31.6	41.53	21	31.6	KO	C7	9633	C -3412377	
7	10.8	9.4W	58 23.280	-0.0019	21	-30 20 56.10	0.042	21	0.44	23.315	22	31.6	56.87	21	31.6	K5	C7	9634	C -3015110	
8		6.3T	58 25.281	-0.0006	10	-36 22 39.78	-0.017	09	0.57	25.314	18	94.8	38.80	18	92.9	B9	GC	24512	C -3612115	
9	8.8	8.8W	58 26.412	0.0001	21	-32 42 54.63	0.032	21	0.44	26.409	22	31.6	55.23	21	31.6	OBP	C7	9635	C -3213623	
10	10.6		58 29.789	0.0032	21	-33 8 27.41	-0.005	21	0.44	29.729	22	31.6	27.33	21	31.6	GO	C7	9636	C*-3512739	
11	8.8	9.2W	58 35.784	0.0008	13	-39 39 29.99	-0.008	13	0.26	35.772	15	35.7	29.87	21	35.7	B8	C8	9180	C -3912133	
12	10.4	9.2W	58 36.296	-0.0012	13	-31 39 39.65	-0.007	21	0.44	36.318	22	31.6	39.51	21	31.6	K5	C7	9637	C -3114970	
13	9.2	9.0W	58 43.046	0.0004	13	-38 28 47.33	-0.025	13	0.26	43.040	15	35.7	46.97	21	35.7	F0	C8	9181	C -3812413	
14	7.3	7.6W	58 43.446	0.0019	06	-35 40 11.75	-0.005	06	0.20	43.419	15	35.7	11.67	21	35.7	B8	C8	9182	C -3512174	
15	10.3	9.4W	58 45.906	0.0005	21	-31 2 34.44	-0.013	21	0.44	45.897	22	31.6	34.20	21	31.6	KO	C7	9638	C -3114974	
16		7.3T	58 46.798	-0.0017	12	-36 21 34.90	-0.004	12	0.65	46.883	21	00.1	34.70	19	97.9	B8	GC	24524	C -3612123	
17	8.4	8.6W	58 47.040	0.0012	21	-32 3 28.37	0.019	21	0.44	47.017	22	31.6	28.71	21	31.6	B8	C7	9639	C -3213634	
18	9.0	8.6W	58 48.029	-0.0057	07	-38 38 17.06	-0.006	07	0.21	48.111	15	35.7	16.97	21	35.7	F8	C8	9184	C -3812415	
19	9.0	9.0W	58 50.548	0.0006	21	-31 21 13.71	0.005	21	0.44	50.537	22	31.6	13.80	21	31.6	A0	C7	9640	C -3114976	
20	9.2	9.5W	58 50.879	-0.0028	08	-35 32 30.50	-0.030	08	0.22	50.919	15	35.7	30.07	21	35.7	A2	C8	9185	C -3512177	
21	10.8	9.3W	58 52.225	0.0008	21	-32 49 0.55	0.020	21	0.44	52.209	22	31.6	0.93	21	31.6	M2	C7	9641	C -3213635	
22	9.2	9.5W	58 54.463	-0.0018	13	-36 14 59.07	-0.021	13	0.26	54.489	15	35.7	58.77	21	35.7	B9	C8	9186	C -3612125	
23	9.6	10.0W	58 56.187	-0.0036	13	-35 34 21.40	-0.030	13	0.26	56.239	15	35.7	20.97	21	35.7	A	C8	9187	C -3512178	
24	7.8	8.0W	58 59.239	0.0022	21	-33 46 5.81	-0.026	21	0.44	59.200	22	31.6	5.33	21	31.6	A0	C7	9642	C -3312750	
25	9.7	8.9W	59 2.754	0.0010	10	-37 57 26.96	0.022	10	0.23	2.740	15	35.7	27.27	21	35.7	KO	C8	9188	C -3712104	
26	8.6	8.9W	59 4.090	0.0006	21	-34 11 26.59	-0.009	21	0.44	4.080	22	31.6	26.43	21	31.6	B8	C7	9643	C -3412386	
27	9.2	9.5W	59 5.515	0.0003	13	-39 3 18.85	-0.033	13	0.26	5.511	15	35.7	18.37	21	35.7	A0	C8	9189	C -3912146	
28	9.7	9.1W	59 6.681	-0.0012	10	-36 21 45.59	-0.127	10	0.23	6.699	15	35.7	43.77	21	35.7	G5	C8	9190	C -3612129	
29	9.4	8.9W	59 7.838	-0.0001	13	-36 40 39.56	-0.062	13	0.26	7.840	15	35.7	38.67	21	35.7	G5	C8	9191	C -3612130	
30	9.5	9.3W	59 10.365	0.0010	21	-31 29 24.15	0.073	21	0.44	10.347	22	31.6	25.50	21	31.6	F0	C7	9644	C -3114980	
31	7.0	7.5W	59 24.193	-0.0014	21	-33 53 25.67	-0.024	21	0.44	24.220	22	31.6	25.23	21	31.6	B5	C7	9645	C -3312759	
32	10.6	9.1W	59 26.318	-0.0059	21	-30 50 4.81	0.005	21	0.44	26.427	22	31.6	4.90	21	31.6	M0	C7	9646	C -3015133	
33		8.6T	59 27.044	0.0031	20	-39 20 15.64	0.034	22	0.97	26.908	24	05.5	17.15	24	05.7	K2	GC	24542	C -3912151	
34	8.8	9.1W	59 30.963	-0.0018	06	-35 31 51.26	-0.013	06	0.20	30.989	15	35.7	51.07	21	35.7	B9	C8	9194	C -3512189	
35	8.3	8.6W	59 32.604	0.0004	21	-30 58 15.74	0.014	21	0.44	32.597	22	31.6	16.00	21	31.6	B9	C7	9647	C -3015136	
36	9.3	9.6W	59 43.676	-0.0034	21	-30 43 38.79	0.034	21	0.43	43.737	22	32.1	39.40	21	32.1	A0	C7	9648	C -3015140	
37	9.9	8.7W	59 44.798	-0.0005	21	-30 58 8.25	0.003	21	0.43	44.807	22	32.1	8.30	21	32.1	K2	C7	9649	C -3015142	
38	9.0	8.6W	59 48.971	0.0057	09	-36 32 54.11	-0.121	09	0.22	48.890	15	35.7	52.37	21	35.7	F8	C8	9195	C -3612143	
39	8.0	8.3W	59 51.620	-0.0027	13	-35 36 54.19	-0.022	13	0.26	51.659	15	35.7	53.87	21	35.7	B9	C8	9196	C -3512194	
40	9.2	9.2W	59 51.730	-0.0045	21	-34 58 5.54	0.006	21	0.43	51.810	22	32.1	5.65	21	32.1	A2	C7	9650	C -3412400	
41	9.1	8.3W	59 52.397	0.0000	21	-30 47 5.28	-0.038	21	0.43	52.397	22	32.1	4.60	21	32.1	KO	C7	9651	C -3015147	
42	9.5	9.2W	59 54.510	0.0001	21	-33 21 7.73	0.005	21	0.43	54.509	22	32.1	7.83	21	32.1	F5	C7	9652	C -3312768	
43	8.4	8.9W	59 57.864	-0.0011	18	-37 14 48.39	-0.008	18	0.32	57.880	15	35.7	48.27	21	35.7	B9	C8	9198	C*-3712119	
44	7.8	8.0W	59 58.240	0.0000	07	-38 6 25.02	-0.045	07	0.21	58.240	15	35.7	24.37	21	35.7	A0	C8	9199	C -3812437	
45	10.1	9.2W	59 59.012	-0.0009	21	-31 53 6.30	0.051	21	0.43	59.027	22	32.1	7.21	21	32.1	KO	C7	9653	C -3115005	
46	9.2	9.6W	18 0 1.100	0.0001	06	-35 43 26.16	-0.048	06	0.20	1.099	15	35.7	25.47	21	35.7	A0	C8	9200	C -3512200	
47	9.1	8.8W	0 3.325	-0.0001	21	-31 12 1.45	0.036	21	0.43	3.327	22	32.1	2.10	21	32.1	F0	C7	9654	C -3115009	
48	8.2	8.4W	0 7.109	0.0005	21	-34 50 54.27	0.004	21	0.43	7.100	22	32.1	54.35	21	32.1	A2	C7	9655	C -3412404	
49		7.8T	0 10.240	-0.0003	13	-39 24 28.41	-0.051	17	0.74	10.255	21	01.8	26.05	21	03.9	M0	GC	24562	C -3912166	
50	10.7	9.9W	0 10.770	0.0008	13	-35 48 16.28	-0.056	13	0.26	10.759	15	35.7	15.47	21	35.7	G8 L	C8	9202	C -3512201	
51	8.5	8.5W	18 0 13.613	0.0002	08	-37 43 55.19	-0.022	08	0.22	13.610	15	35.7	54.87	21	35.7	A0	C8	9203	C -3712124	
52	9.8	8.4W	0 33.507	0.0004	21	-32 52 42.68	0.036	21	0.43	33.499	22	32.1	43.33	21	32.1	K2	C7	9656	C -3213671	
53	10.5	9.0W	0 37.851	-0.0021	13	-38 33 30.22	-0.010	13	0.26	37.881	15	35.7	30.07	21	35.7	K5	C8	9204	C -3812445	
54	10.3	9.4W	0 38.934	-0.0045	08	-36 0 48.63	-0.109	08	0.22	38.999	15	35.7	47.07	21	35.7	G5 L	C8	9205	C -3612164	
55	9.2	8.3W	0 41.829	0.0033	21	-33 13 34.07	0.003	21	0.43	41.769	22	32.1	34.13	21	32.1	KO	C7	9657	C -3312779	
56	10.1	9.4W	0 42.876	-0.0030	13	-35 37 42.40	-0.030	13	0.26	42.919	15	35.7	41.97	21	35.7	G5 L	C8	9206	C -3512210	
57	10.1	9.7W	0 46.741	-0.0015	09	-39 57 5.27	-0.028	09	0.22	46.762	15	35.7	4.87	21	35.7	G0	C8	9207	C -3912177	
58		8.4T	0 48.932	0.0045	13	-39 23 3.53	-0.042	13	0.70	48.712	24	00.8	1.43	22	00.1	F5	GC	24575	C -3912179	
59		7.0T	0 50.368	0.0030	13	-34 3 21.66	0.010	13	0.65	50.226	17	03.3	22.14	17	01.2	K2	GC	24576	C -3412416	
60	9.8	8.4W	0 50.835	0.0014	21	-33 1 41.86	0.009	21	0.43	50.809	22	32.1	42.03	21	32.1	K2	C7	9659	C -3312781	
61	9.8	8.3W	0 52.006	-0.0030	21	-34 49 24.89	0.031	21	0.43	52.060	22	32.1	25.45	21	32.1	MA	C7	9660	C -3412417	
62	9.4	9.3W	0 55.723	-0.0012	13	-37 37 26.21	-0.226	13	0.26	55.740	15	35.7	22.97	21	35.7	A0	C8	9209	C -3712135	
63	8.0	8.1W	0 57.401	0.0002	08	-35 6 33.70	-0.044	08	0.22	57.398	15	35.7	33.07	21	35.7	A0	C8	9210	C -3512218	
64	7.8	8.1W	1 0.313	-0.0003	21	-31 38 53.53	-0.006	21	0.43	0.318	22	32.1	53.41	21	32.1	B3	C7	9661	C -3115036	
65	10.5	9.5W	1 9.240	-0.0036	21	-30 3 8.46	0.034	21	0.43	9.305	22	32.1	9.07	21	32.1	KO	C7	9662	C -3015177	
66	8.8	8.9W	1 14.815	0.0010	18	-38 57 7.55	-0.033	18	0.32	14.801	15	35.7	7.07	21	35.7	A3	C8	9211	C -3812452	
67	10.2	9.3W	1 15.415	0.0016	21	-31 13 1.31	0.027	21	0.43	15.387	22	32.1	1.80	21	32.1	KO	C7	9663	C -3115045	
68	8.6	8.6W	1 18.035	-0.0002	21	-33 0 1.77	-0.014	21	0.43	18.039	22	32.1	1.53	21	32.1	A2	C7	9664	C -3213690	
69	9.3	9.6W	1 19.771	-0.0048	21	-30 52 20.70	0.011	21	0.43	19.857	22	32.1	20.90	21	32.1	B9	C7	9665	C -3015182	
70	9.3	9.6W	1 27.679	-0.0030	13	-35 36 31.50	0.019	13	0.26	27.679	15	35.7	31.77	21	35.7	A0	C8	9212	C -3512228	
71		5.8T	1 28.276	-0.0016	08	-35 54 17.64	-0.040	06	0.32	28.342	12	08.6	15.80	12	04.1	KO	GC	24597K	C -3512229	
72	9.0	8.2W	1 28.569	0.0022	21	-34 43 58.73	0.023	21	0.43	28.530	22	32.1	59.14	21	32.1	G5	C7	9666	C -3412431	
73	10.3	9.2W	1 29.069	-0.0027	21	-30 45 30.61	0.005	21	0.43	29.117	22	32.1	30.70	21	32.1	KO	C7	9667	C -3015186	
74	9.6	8.2W	1 36.296	0.0016	21	-30 33 56.97	0.041	21	0.43	36.267	22	32.1	57.70	21	32.1	K2	C7	9668	C -3015189	
75	8.1	8.3W	1 39.703	-0.0010	06	-35 25 6.79	-0.036	06	0.20	39.718	15	35.7	6.27	21	35.7	A0	C8	9214	C -3512232	
76	9.8	9.5W	1 43.030	-0.0001	13	-39 1 21.72	-0.017	13	0.26	43.031	15	35.7	21.47	21	35.7	F2	C8	9215	C -3912197	
77	8.2	8.5W	1 43.537	0.0005	07	-36 56 4.59	-0.036	07	0.21	43.530	15	35.7	4.07	21	35.7	A2	C8	9216	C -3612189	
78	8.2	8.5W	1 47.995	0.0017	21	-30 13 51.94	0.013	21	0.43	47.965	22	32.1	52.17	21	32.1	A0	C7	9669	C -3015194	
79	8.4	7.0W	1 48.583	-0.0019	18	-37 43 24.24	0.002	18	0.32	48.610	15	35.7	24.27	21	35.7	KO	C8	9217	C -3712146	
80	9.6	8.5W	1 57.848	0.0017	21	-32 15 50.05	0.026	21	0.43	57.817	22	32.1	50.51	21	32.1	KO	C7	9670	C -3213706	
81	9.7	8.6W	1 58.020	-0.0014	10	-38 23 10.49	-0.008	10	0.23	58.040	15	35.7	10.37	21	35.7	KO	C8	9218	C -3812460	
82	8.7	8.9W	2 2.238	-0.0040	21	-34 42 30.52	-0.027	21	0.43	2.310	22	32.1	30.04	21	32.1	A0	C7	9671	C -3412441	
83	10.0	9.0W	2 4.615	-0.0029	21	-31 3 26.86	0.019	21	0.43	4.667	22	32.1	27.20	21	32.1	KO	C7	9672	C -3115068	
84		6.8T	2 8.040	-0.0019	14	-37 28 33.24	-0.019	12	0.72	8.136	22	00.4	32.24	19	96.8	KO	GC	24620	C -3712153	
85		7.6T	2 12.032	-0.0025	15	-36 45 32.45	-0.040	11	0.63	12.148	18	04.3	30.53	17	02.0	A5	GC	24623	C -3612194	
86	9.9	8.5W	2 17.193	-0.0014	21	-32 12 24.26	-0.030	21	0.43	17.217	22	32.1	23.71	21	32.1	K2	C7	9673	C -3213713	
87	9.9	9.0W	2 18.571	-0.0033	21	-33 18 58.00	-0.010	21	0.43	18.629	22	32.1	57.83	21	32.1	G5	C7	9674	C -3312810	
88	9.3	8.5W	2 19.115	-0.0029	21	-30 50 36.79	-0.022	21	0.43	19.167	22	32.1	36.40	21	32.1	KO	C7	9675	C -3015204	
89	8.5	8.2W	2 20.686	0.0054	07	-35 41 4.70	-0.037	07	0.21	20.609	15	35.7	4.17	21	35.7	F8	C8	9223	C -3512245	
90	10.0	8.7W	2 20.769	-0.0023	21	-32 50 58.82	0.000	21	0.43	20.809	22	32.1	58.83	21	32.1	KO	C7	9676	C -3213715	
91		7.8Q	2 21.080	-0.0015	13	-36 35 3.43	-0.002	11	0.66	21.157	22	00.1	3.33	21	96.1	B8	GC	24625K	C*-3612198	
92	10.6	9.1W	2 21.381	0.0045	21	-34 37 34.80	0.002	21	0.43	21.300	22	32.1	34.84	21	32.1	K2 L	C7	9677	C -3412450	
93	10.1	8.5W	2 21.681	0.0034	21	-34 37 13.49	-0.081	21	0.43	21.620	22	32.1	12.05	21	32.1	K5	C7	9678	C -3412451	
94	10.5	9.0W	2 29.848	0.0027	21	-32 48 8.48	0.019	21	0.43	29.799	22	32.1	8.83	21	32.1	K5	C7	9679	C -3213721	
95	10.2	9.0W	2 34.962	0.0014	21	-30 38 39.37	0.013	21	0.43	34.937	22	32.1	39.60	21	32.1	KO	C7	9680	C -3015214	
96		3.1H	2 35.678	-0.0041	01	-30 25 35.80	-0.185	02	0.06	35.846	03	09.0	28.48	03	10.4	KO	F4	679	C -3015215	
97	10.3	8.7W	2 39.482	-0.0004	09	-35 6 50.63	-0.046	09	0.22	39.488	15	35.7	49.97	21	35.7	K5	C8	9225	C -3512251	
98	8.6	7.6W	2 39.744	-0.0011	09	-37 26 18.06	-0.006	09	0.22	39.760	15	35.7	17.97	21	35.7	KO	C8	9226	C -3712164	
99	9.4	9.1W	2 40.710	-0.0016	21	-31 55 37.79	-0.043	21	0.43	40.738	22	32.1	37.01	21	32.1	F2	C7	9682	C -3115081	
00	8.8	8.2W	2 41.147	0.0028	21	-30 39 54.35	-0.059	21	0.43	41.097	22	32.1	53.30	21	32.1	KO	C7	9683	C -3015216	

209700 — EPOCH 1950 — ORIGINAL EPOCH — -30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.9	9.7W	18 2 44.846	-0.0001	21	-31 55 15.68	0.002	21	0.43	44.848	22	32.1	15.71	21	32.1	A5	C7	9684	C -3115082
2		7.6T	2 47.841	0.0008	17	-37 30 11.68	-0.120	13	0.78	47.804	16	02.1	5.44	21	97.9	F2	GC	24638	C -3712167
3	8.5	8.8W	2 49.443	-0.0008	21	-31 29 41.67	-0.015	21	0.43	49.457	22	32.1	41.40	21	32.1	B8	C7	9685	C -3115088
4	8.7	8.9W	2 49.776	0.0010	21	-31 34 36.03	0.016	21	0.43	49.758	22	32.1	36.31	21	32.1	B8	C7	9686	C -3115087
5	9.8	9.5W	2 50.190	-0.0048	08	-35 47 10.78	-0.049	08	0.22	50.259	15	35.7	10.07	21	35.7	F0	C8	9220	C -3512254
6	9.3	7.8W	2 54.031	0.0035	21	-31 33 33.06	-0.047	21	0.43	53.968	22	32.1	32.21	21	32.1	K2	C7	9687	C -3115090
7	9.1	8.5W	2 54.558	0.0053	21	-32 40 14.92	-0.050	21	0.43	54.459	22	32.1	15.03	21	32.1	G5	C7	9688	C -3213731
8	8.6	8.7W	2 54.587	0.0045	21	-31 14 52.63	-0.002	21	0.43	54.507	22	32.1	52.60	21	32.1	A0	C7	9689	C -3115091
9	8.9	9.3W	2 59.318	-0.0002	13	-39 2 9.82	-0.010	13	0.26	59.321	15	35.7	9.67	21	35.7	B9	C8	9229	C -3912219
10		5.9T	3 0.912	0.0091	11	-36 1 32.06	0.014	08	0.50	0.457	17	00.0	32.82	14	96.1	G5	GC	24643	C -3612214
11	7.5	8.0W	3 1.326	0.0015	21	-34 19 15.64	-0.051	21	0.43	1.299	22	32.1	14.73	21	32.1	B8	C7	9690	C -3412460
12	9.4	9.1W	3 2.072	-0.0055	21	-34 36 57.56	-0.107	21	0.43	2.170	22	32.1	55.64	21	32.1	F	C7	9691	C -3412461
13	9.2	8.0W	3 7.071	-0.0007	18	-38 36 53.17	0.007	18	0.32	7.081	15	35.7	53.27	21	35.7	K2	C8	9232	C -3812479
14	8.3	8.7W	3 7.139	-0.0006	21	-34 30 28.02	-0.038	21	0.43	7.150	22	32.1	27.35	21	32.1	B8	C7	9692	C -3412463
15	9.1	8.9W	3 7.277	-0.0003	10	-38 45 45.02	-0.024	10	0.23	7.281	15	35.7	44.67	21	35.7	F8	C8	9233	C -3812478
16	9.6	9.7W	3 7.790	0.0007	18	-37 59 14.90	0.005	18	0.32	7.780	15	35.7	14.97	21	35.7	A2	C8	9234	C -3712172
17	10.0	9.1W	3 8.108	-0.0043	13	-38 29 28.90	-0.016	13	0.26	8.170	15	35.7	28.67	21	35.7	K0	C8	9235	C -3812480
18	9.0	9.2W	3 11.892	0.0001	21	-34 31 14.16	-0.046	21	0.43	11.890	22	32.1	13.35	21	32.1	B8	C7	9693	C -3412465
19	9.8	8.4W	3 20.354	-0.0008	21	-31 39 36.95	-0.035	21	0.43	20.368	22	32.1	36.31	21	32.1	K2	C7	9694	C -3115097
20	8.6	8.8W	3 26.086	-0.0001	21	-32 23 25.36	-0.008	21	0.43	26.088	22	32.1	25.21	21	32.1	B8	C7	9695	C -3213739
21	9.1	7.6W	3 36.569	0.0012	21	-31 45 49.29	-0.004	21	0.43	36.548	22	32.1	49.21	21	32.1	K5	C7	9696	C -3115103
22	9.7	9.6W	3 37.601	0.0017	21	-32 30 16.35	0.015	21	0.43	37.569	22	32.1	16.63	21	32.1	B9	C7	9697	C -3213743
23	9.7	8.6W	3 37.797	-0.0001	06	-35 48 28.36	-0.055	06	0.20	37.799	15	35.7	27.57	21	35.7	K2	C8	9236	C -3512284
24	9.6	8.6W	3 38.465	-0.0040	21	-30 44 15.94	-0.008	21	0.43	38.537	22	32.1	15.80	21	32.1	K0	C7	9698	C -3015241
25		8.2T	3 40.681	0.0009	14	-36 36 52.02	-0.016	11	0.66	40.639	17	01.2	51.18	19	96.9	A0	GC	24662	C -3612223
26	9.8	8.0W	3 54.407	-0.0003	08	-38 58 57.22	-0.017	08	0.22	54.411	15	35.7	56.97	21	35.7	MA	C8	9239	C -3812484
27	8.5	8.2W	3 57.366	-0.0017	06	-36 52 45.10	-0.079	06	0.20	57.390	15	35.7	45.97	21	35.7	F8	C8	9240	C -3612233
28	8.9	9.3W	3 58.030	0.0000	18	-37 31 58.20	0.012	18	0.32	58.035	15	35.7	58.37	21	35.7	B9	C8	9241	C -3712194
29	9.7	8.0W	3 59.028	-0.0008	18	-38 12 58.09	0.013	18	0.32	59.040	15	35.7	58.27	21	35.7	MA	C8	9242	C -3812486
30	9.0	8.1W	4 0.513	-0.0011	13	-36 13 45.15	-0.033	13	0.26	0.529	15	35.7	44.67	21	35.7	K0	C8	9243	C -3612234
31	9.9	8.3W	4 0.797	0.0027	13	-36 8 37.30	-0.009	13	0.26	0.759	15	35.7	37.17	21	35.7	K5	C8	9244	C -3612235
32	9.6	8.2W	4 4.385	-0.0025	21	-34 59 44.21	0.063	21	0.43	4.430	22	32.1	45.34	21	32.1	K5	C7	9699	C -3512270
33	8.5	8.9W	4 8.084	-0.0041	21	-30 40 13.48	0.018	21	0.43	8.157	22	32.1	13.60	21	32.1	B9	C7	9700	C -3015251
34	9.2	9.3W	4 10.567	-0.0038	21	-30 11 3.66	0.006	21	0.43	10.635	22	32.1	3.77	21	32.1	A0	C7	9701	C -3015253
35	9.0	8.1W	4 11.369	-0.0023	10	-39 31 31.72	-0.052	10	0.23	11.402	15	35.7	30.97	21	35.7	K0	C8	9245	C -3912243
36	9.1	7.5W	4 12.199	-0.0009	13	-39 55 58.72	-0.059	13	0.26	12.212	15	35.7	57.87	21	35.7	MA	C8	9246	C -3912242
37	9.9	9.0W	4 14.493	0.0002	13	-36 55 27.19	-0.022	13	0.26	14.490	15	35.7	26.87	21	35.7	K0	C8	9247	C -3612238
38	8.0	8.4W	4 17.261	-0.0014	10	-38 51 34.26	-0.028	10	0.23	17.281	15	35.7	33.87	21	35.7	B9	C8	9248	C -3812491
39	9.5	9.2W	4 17.363	-0.0034	10	-39 37 13.00	-0.002	10	0.23	17.412	15	35.7	12.97	21	35.7	F5	C8	9249	C -3912245
40	10.2	9.1W	4 18.910	-0.0005	21	-34 8 24.28	0.031	21	0.43	18.920	22	32.1	24.84	21	32.1	K0	C7	9702	C -3412485
41	9.2	8.7W	4 19.735	-0.0023	13	-35 23 46.82	-0.017	13	0.26	19.768	15	35.7	46.57	21	35.7	+++	C8	9250	C -3512274
42	9.9	8.5W	4 20.334	-0.0008	21	-31 40 31.56	0.002	21	0.43	20.348	22	32.1	31.61	21	32.1	K2	C7	9703	C -3115119
43	10.6	9.3W	4 22.463	-0.0018	21	-30 29 34.13	0.002	21	0.43	22.495	22	32.1	34.17	21	32.1	K5	C7	9704	C -3015256
44	8.8	7.9W	4 23.746	-0.0002	21	-34 15 4.60	-0.043	21	0.43	23.750	22	32.1	3.84	21	32.1	K0	C7	9705	C -3412486
45		7.1T	4 27.344	0.0003	14	-38 34 22.93	-0.014	13	0.72	27.331	22	01.3	22.22	21	98.5	B8	GC	24684	C -3812492
46	8.2	8.7W	4 33.609	-0.0013	13	-35 1 46.73	-0.011	13	0.26	33.628	15	35.7	46.57	21	35.7	B8	C8	9252	C -3512279
47	10.9	9.3W	4 35.243	-0.0017	13	-35 5 10.60	-0.044	13	0.26	35.268	15	35.7	9.97	21	35.7		C8	9253	C -3512280
48	9.5	8.2W	4 38.356	-0.0008	13	-35 27 52.22	-0.031	13	0.26	38.368	15	35.7	51.77	21	35.7	K0	C8	9254	C -3512282
49	10.2	9.4W	4 39.685	0.0020	21	-33 44 38.22	-0.005	21	0.43	39.649	22	32.1	38.14	21	32.1	G5	C7	9706	C -3312852
50	9.8	8.2W	4 44.501	0.0012	21	-32 54 4.78	-0.009	21	0.43	44.479	22	32.1	4.63	21	32.1	K5	C7	9707	C -3213768
51		7.7T	18 4 48.755	0.0003	13	-31 0 34.20	0.007	09	0.59	48.741	17	01.7	34.54	17	99.2	F5	GC	24688	C -3115129
52	10.4	9.3W	4 53.506	-0.0019	21	-34 46 15.66	0.010	21	0.43	53.540	22	32.1	15.85	21	32.1	K0	C7	9710	C -3412501
53	10.3	9.3W	4 54.706	0.0015	21	-33 44 4.04	0.005	21	0.43	54.680	22	32.1	4.14	21	32.1	K0	C7	9711	C -3312858
54	9.3	8.3W	5 1.750	-0.0007	08	-38 13 23.57	-0.014	08	0.22	1.760	15	35.7	23.37	21	35.7	K0	C8	9255	C -3812502
55	7.9	8.2W	5 4.016	-0.0019	21	-34 31 6.49	0.014	21	0.43	4.050	22	32.1	6.75	21	32.1	B8	C7	9712	C -3412504
56	9.2	8.3W	5 4.873	-0.0127	21	-34 50 5.72	0.029	21	0.43	5.100	22	32.1	6.24	21	32.1	K0	C7	9714	C -3412503
57	10.0	8.5W	5 5.083	-0.0008	21	-31 0 50.63	0.043	21	0.43	5.097	22	32.1	51.40	21	32.1	MA	C7	9713	C -3115135
58	8.7	9.0W	5 8.873	-0.0004	13	-36 19 43.42	-0.038	13	0.26	8.879	15	35.7	42.87	21	35.7	A0	C8	9256	C -3612256
59	9.0	7.8W	5 23.928	-0.0030	18	-38 50 22.95	-0.033	18	0.32	23.971	15	35.7	22.47	21	35.7	K0	C8	9257	C -3812509
60	9.0	7.5W	5 24.356	-0.0004	13	-39 30 10.52	-0.038	13	0.26	24.362	15	35.7	9.97	21	35.7	MA	C8	9258	C -3912265
61	9.4	9.4W	5 24.902	-0.0037	21	-31 58 24.46	0.020	21	0.43	24.967	22	32.1	24.81	21	32.1	B9	C7	9715	C -3115147
62	8.5	8.6W	5 31.534	-0.0006	21	-30 9 25.91	-0.036	21	0.43	31.546	22	32.1	25.27	21	32.1	A2	C7	9716	C -3015285
63	10.1	9.1W	5 33.348	-0.0016	21	-31 27 7.50	-0.045	21	0.43	33.377	22	32.1	6.70	21	32.1	G5	C7	9717	C -3115149
64	9.8	9.3W	5 36.679	-0.0035	13	-35 47 41.34	0.009	13	0.26	36.729	15	35.7	41.47	21	35.7	G5	C8	9261	C -3512299
65	8.8	8.4W	5 39.070	-0.0083	13	-36 17 36.92	-0.003	13	0.26	39.109	15	35.7	36.87	21	35.7	G0	C8	9262	C -3612259
66	10.2	9.9W	5 39.070	-0.0039	21	-34 47 20.40	0.019	21	0.43	39.140	22	32.1	20.75	21	32.1	A7	C7	9718	C -3412515
67	9.3	9.4W	5 39.854	-0.0041	21	-31 15 25.07	-0.004	21	0.43	39.927	22	32.1	25.00	21	32.1	B9	C7	9719	C -3115152
68	9.9	8.8W	5 41.640	-0.0000	21	-34 46 14.08	-0.002	21	0.43	41.640	22	32.1	14.05	21	32.1	G5	C7	9720	C -3412517
69		7.0T	5 42.233	0.0016	10	-30 0 5.86	0.007	09	0.54	42.149	15	96.9	6.23	18	94.9	+++	GC	24715	C+-3015290
70	9.7	9.4W	5 42.673	-0.0004	21	-32 54 3.95	-0.034	21	0.43	42.679	22	32.1	3.33	21	32.1	A5	C7	9722	C -3213792
71		7.7T	5 44.937	0.0007	10	-31 10 7.89	-0.029	09	0.54	44.899	15	95.3	6.27	15	95.1	A0	GC	24717	C -3115155
72	8.4	8.3W	5 49.459	0.0017	21	-33 34 21.32	-0.044	21	0.43	49.429	22	32.1	20.54	21	32.1	F2	C7	9724	C -3312874
73	8.6	7.7W	5 50.042	0.0001	08	-38 37 11.79	-0.015	08	0.22	50.041	15	35.7	11.57	21	35.7	G5	C8	9263	C -3812518
74	10.1	8.9W	5 50.550	0.0011	21	-33 19 32.72	0.000	21	0.43	50.529	22	32.1	32.73	21	32.1	K2	C7	9725	C -3312875
75	9.7	8.0W	5 53.071	0.0001	06	-36 58 30.82	-0.017	06	0.20	53.070	15	35.7	30.57	21	35.7	MA	C8	9264	C -3612264
76	9.3	8.2W	5 53.923	0.0020	21	-31 27 17.82	-0.007	21	0.43	53.887	22	32.1	17.70	21	32.1	K0	C7	9726	C -3115158
77	9.0	9.2W	5 54.584	0.0042	21	-34 1 1.48	-0.008	21	0.43	54.510	22	32.1	1.34	21	32.1	B8	C7	9727	C -3412522
78	9.2	9.4W	5 57.270	0.0001	21	-33 18 15.24	-0.074	21	0.43	57.289	22	32.1	13.93	21	32.1	A0	C7	9728	C -3312877
79		6.6T	5 58.925	-0.0009	13	-36 40 54.11	-0.004	11	0.64	58.973	19	99.2	53.91	18	96.9	B0	GC	24725	C -3612265
80		7.7T	6 3.169	-0.0010	18	-35 43 0.36	-0.015	14	0.82	3.216	21	02.9	-59.60	19	99.4	K2	GC	24727	C -3512311
81	8.0	8.0W	6 7.394	-0.0005	08	-38 48 26.29	-0.029	08	0.22	7.401	15	35.7	25.87	21	35.7	A2	C8	9267	C -3812521
82	8.7	7.4W	6 8.984	0.0008	21	-33 14 37.32	0.000	21	0.43	8.969	22	32.1	37.33	21	32.1	K2	C7	9729	C -3312882
83	10.2	9.4W	6 11.932	0.0007	21	-34 1 24.08	-0.008	21	0.43	11.920	22	32.1	23.94	21	32.1	K0	C7	9730	C -3412530
84	10.2	8.5W	6 12.086	0.0025	13	-36 47 11.76	-0.027	13	0.26	12.050	15	35.7	11.37	21	35.7	K5	C8	9268	C -3612272
85	9.4	9.3W	6 14.544	-0.0053	13	-37 37 29.88	-0.035	13	0.26	14.620	15	35.7	29.37	21	35.7	A3	C8	9269	C -3712245
86	9.6	9.2W	6 18.598	-0.0012	21	-34 4 49.04	-0.151	21	0.43	18.620	22	32.1	46.34	21	32.1	F8	C7	9731	C -3412532
87	9.9	9.0W	6 29.178	-0.0008	10	-37 48 4.35	-0.019	10	0.23	29.190	15	35.7	4.07	21	35.7	K0	C8	9270	C -3712249
88	9.5	8.5W	6 30.333	-0.0060	21	-34 45 30.25	-0.006	21	0.43	30.440	22	32.1	30.15	21	32.1	K0	C7	9732	C -3412533
89	8.8	9.1W	6 37.450	-0.0000	21	-34 52 43.17	0.004	21	0.43	37.450	22	32.1	43.25	21	32.1	B5	C7	9733	C -3412535
90	9.5	9.9W	6 38.871	-0.0047	13	-35 44 56.67	0.021	13	0.26	38.939	15	35.7	56.97	21	35.7	A0	C8	9271	C -3512324
91	8.9	9.1W	6 39.041	0.0012	21	-32 33 50.28	0.058	21	0.43	39.019	22	32.1	51.33	21	32.1	B8	C7	9734	C -3213813
92	8.7	8.9W	6 39.431	-0.0019	13	-35 35 39.49	-0.001	13	0.26	39.459	15	35.7	39.47	21	35.7	A0	C8	9272	C -3512325
93	8.2	8.4W	6 41.841	-0.0028	18	-38 34 59.21	-0.051	18	0.32	41.881	15	35.7	58.47	21	35.7	A0	C8	9274	C -3812252
94		6.5T	6 43.253	0.0001	07	-32 43 40.00	-0.149	07	0.34	43.247	10	04.4	32.92	12	02.5	G5	GC	24742	C -3213814
95	8.9	9.0W	6 43.341	-0.0033	10	-36 17 4.88	-0.028	10	0.23	43.389	15	35.7	4.47	21	35.7	A2	L C8	9275	C -3612280
96	9.5	9.8W	6 43.953	-0.0018	13	-35 38 41.60	-0.037	13	0.26	43.979	15	35.7	41.07	21	35.7	B8	C8	9276	C -3512326
97	8.6	8.9W	6 44.077	-0.0022	13	-35 30 40.72	-0.017	13	0.26	44.109	15	35.7	40.47	21	35.7	B8	C8	9277	C -3512327
98	10.3	9.5W	6 45.341	-0.0007	13	-39 12 21.25	0.016	13	0.26	45.351	15	35.7	21.47	21	35.7	K0	L C8	9278	C -3912267
99		7.6T	6 47.378	0.0041	11	-32 9 14.26	-0.012	10	0.58	47.162	17	97.6	13.62	17	95.5	A0	GC	24744	C -3213817
00	8.8	8.5W	6 47.550	-0.0020	06	-36 25 17.12	-0.115	06	0.20	47.579	15	35.7	15.47	21	35.7	F8	C8	9279	C -3612282

209800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 18H DM NUMBER
1	9.8	9.4W	18 6 51.040	-0.0020	23	-36 15 27.96	-0.048	23	0.38	51.069	15	35.7	27.27	21	35.7	G2	L	C8	9280	C -3612283
2		8.2Q	6 52.077	-0.0017	20	-30 44 12.92	-0.007	18	1.09	52.171	24	94.7	12.56	26	93.4			GC	24747K	C -3015316
3		5.6T	6 52.214	0.0003	08	-30 44 18.62	-0.027	07	0.45	52.197	15	92.6	17.05	15	90.5	K0		GC	24748K	C -3015316
4	7.8	7.8W	7 4.337	-0.0030	15	-37 14 4.25	-0.054	15	0.28	4.380	15	35.7	3.47	21	35.7	A2		C8	9262	C -3712264
5	8.9	7.8W	7 5.312	-0.0009	21	-31 32 35.26	-0.002	21	0.43	5.328	22	32.1	35.21	21	32.1	K0		C7	9738	C -3115188
6	9.1	9.3W	7 6.473	0.0008	21	-33 40 53.64	0.016	21	0.43	6.459	22	32.1	53.94	21	32.1	A0		C7	9739	C -3312908
7	9.2	8.8W	7 6.967	-0.0017	21	-31 7 17.99	-0.167	21	0.43	6.997	22	32.1	15.00	21	32.1	G0		C7	9740	C -3115190
8	8.7	8.9W	7 12.356	-0.0002	21	-34 32 57.50	-0.031	21	0.43	12.360	22	32.1	56.95	21	32.1	A0		C7	9741	C -3412543
9	9.9	9.8W	7 12.659	-0.0020	21	-30 3 25.29	0.021	21	0.43	12.695	22	32.1	25.67	21	32.1	A0		C7	9742	C -3015327
10	9.7	8.9W	7 18.242	0.0014	21	-31 1 12.51	0.005	21	0.43	18.217	22	32.1	12.60	21	32.1	K0		C7	9743	C -3115193
11		7.3T	7 23.040	0.0000	16	-33 55 45.59	-0.033	15	0.78	23.038	19	01.5	43.96	21	00.4	K0		GC	24763	C -3312913
12	10.1	9.5W	7 23.243	0.0038	21	-30 14 26.19	0.049	21	0.43	23.175	22	32.1	27.07	21	32.1	G0		C7	9745	C -3015335
13	9.3	9.0W	7 24.798	0.0021	13	-35 29 20.04	-0.012	13	0.26	24.768	15	35.7	19.87	21	35.7	G5		C8	9263	C -3512338
14	9.2	9.0W	7 26.726	0.0006	13	-35 19 10.87	-0.063	13	0.26	26.718	15	35.7	9.97	21	35.7	F5		C8	9264	C -3512339
15	10.1	9.3W	7 28.076	0.0004	13	-36 52 21.95	-0.012	13	0.26	28.070	15	35.7	21.77	21	35.7	G5		C8	9265	C -3612294
16	10.0	8.8W	7 34.934	0.0042	21	-34 14 16.05	0.027	21	0.43	34.860	22	32.1	16.54	21	32.1	K2		C7	9746	C -3412547
17		6.2T	7 36.771	-0.0008	17	-33 48 39.80	0.013	13	0.77	36.807	19	01.7	40.48	19	98.1	B5		GC	24771	C*-3312917
18	10.0	9.1W	7 39.210	-0.0020	13	-36 20 40.49	-0.015	13	0.26	39.239	15	35.7	40.27	21	35.7	G5		C8	9266	C -3612298
19	9.4	9.2W	7 40.661	-0.0013	18	-37 54 15.42	-0.066	18	0.32	40.680	15	35.7	14.47	21	35.7	F2		C8	9267	C -3712273
20	9.7	9.8W	7 49.210	-0.0033	13	-35 24 0.15	-0.026	13	0.26	49.258	15	35.7	59.77	21	35.7	A3	L	C8	9268	C -3512346
21	9.3	8.9W	7 50.163	0.0002	21	-33 0 2.59	-0.099	21	0.43	50.159	22	32.1	0.83	21	32.1	G5		C7	9748	C -3312922
22	9.9	9.2W	7 55.566	-0.0008	13	-35 7 26.29	-0.008	13	0.26	55.578	15	35.7	26.17	21	35.7	K0	L	C8	9269	C -3512351
23	8.9	8.7W	7 58.490	0.0000	09	-38 12 27.33	-0.067	09	0.22	58.490	15	35.7	26.37	21	35.7	F0		C8	9291	C -3812557
24	10.0	9.4W	7 58.671	-0.0040	08	-36 15 56.72	-0.017	08	0.22	58.729	15	35.7	56.47	21	35.7	F8		C8	9292	C -3612303
25	9.4	8.4W	7 59.221	-0.0005	21	-34 53 17.46	0.010	21	0.43	59.230	22	32.1	17.65	21	32.1	K0		C7	9749	C -3412554
26	9.7	9.5W	8 5.166	-0.0023	21	-30 44 0.53	0.032	21	0.43	5.207	22	32.1	1.10	21	32.1	A3		C7	9750	C -3015347
27	7.7	7.6W	8 5.995	0.0025	21	-33 20 16.64	-0.057	21	0.43	5.949	22	32.1	15.63	21	32.1	F5		C7	9751	C -3312924
28	10.3	9.2W	8 6.235	-0.0003	21	-34 32 28.48	0.009	21	0.43	6.240	22	32.1	28.65	21	32.1	K		C7	9752	C -3412556
29	10.0	9.4W	8 7.532	-0.0007	21	-30 10 17.27	-0.028	21	0.43	7.546	22	32.1	16.77	21	32.1	G0		C7	9753	C -3015349
30	10.7	9.7W	8 9.582	-0.0007	21	-30 22 12.25	-0.083	21	0.43	9.595	22	32.1	10.77	21	32.1	F5		C7	9754	C -3015350
31	9.1	9.3W	8 17.469	-0.0000	13	-36 2 47.11	-0.031	13	0.26	17.469	15	35.7	46.67	21	35.7	B9		C8	9293	C -3612311
32		7.0T	8 20.153	0.0004	12	-35 2 14.99	-0.015	10	0.58	20.131	18	00.0	14.20	18	96.6	B8		GC	24789	C -3512357
33	8.3	8.7W	8 22.194	0.0020	21	-32 24 58.81	-0.005	21	0.43	22.158	22	32.1	58.71	21	32.1	B8		C7	9755	C -3213852
34	8.7	9.1W	8 30.200	0.0006	21	-34 24 14.24	-0.006	21	0.43	30.190	22	32.1	14.14	21	32.1	B9		C7	9756	C -3412564
35	9.6	8.6W	8 32.566	-0.0008	21	-34 36 33.23	-0.022	21	0.43	32.580	22	32.1	32.84	21	32.1	K0		C7	9757	C -3412567
36	10.6	9.6W	8 39.334	-0.0024	21	-30 40 51.80	-0.006	21	0.43	39.377	22	32.1	51.70	21	32.1	K0		C7	9758	C -3015364
37	7.7	8.4W	8 40.039	-0.0006	21	-32 39 51.68	-0.031	21	0.43	40.049	22	32.1	51.13	21	32.1	B8		C7	9759	C -3213858
38	8.2	8.5W	8 40.514	0.0030	21	-34 36 20.13	-0.027	21	0.43	40.460	22	32.1	19.65	21	32.1	A0		C7	9760	C -3412568
39	7.8	8.1W	8 41.197	0.0004	13	-39 21 25.49	-0.015	13	0.26	41.191	15	35.7	25.27	21	35.7	B9		C8	9295	C -3912316
40	8.3	8.5W	8 41.696	0.0011	18	-37 3 15.83	-0.011	18	0.32	41.680	15	35.7	15.67	21	35.7	A0		C8	9296	C -3712293
41		7.1T	8 47.342	0.0007	18	-34 4 51.48	0.019	16	0.85	47.306	19	02.6	52.41	21	01.0	B8		GC	24804	C*-3412573
42	7.8	7.7W	8 47.668	0.0027	09	-38 11 50.65	-0.033	09	0.22	47.630	15	35.7	50.17	21	35.7	F0		C8	9297	C -3812572
43	9.3	9.5W	8 49.072	-0.0011	13	-35 7 15.23	-0.011	13	0.26	49.088	15	35.7	15.07	21	35.7	A0		C8	9298	C -3512368
44	9.9	8.8W	8 53.295	-0.0009	21	-34 15 28.13	0.011	21	0.43	53.279	22	32.1	28.34	21	32.1	K2		C7	9762	C -3412576
45	9.7	9.6W	8 55.010	-0.0056	21	-34 52 14.81	-0.004	21	0.43	55.110	22	32.1	14.74	21	32.1	A2		C7	9763	C -3412575
46	9.1	8.5W	8 57.475	0.0004	21	-32 17 39.80	-0.010	21	0.43	57.468	22	32.1	39.61	21	32.1	G5		C7	9764	C -3213861
47		7.0T	9 0.801	0.0005	14	-39 21 19.84	-0.025	13	0.73	0.778	21	00.2	18.54	21	98.1	B8		GC	24807	C -3912322
48	11.3	9.6W	9 12.231	-0.0009	21	-30 38 25.01	0.005	21	0.43	12.247	22	32.1	25.10	21	32.1	K7		C7	9765	C -3015378
49	9.9	9.1W	9 13.961	0.0007	13	-39 1 17.87	-0.021	13	0.26	13.951	15	35.7	17.57	21	35.7	K0		C8	9302	C -3912324
50	8.8	8.1W	9 14.256	-0.0005	21	-30 1 36.93	0.069	21	0.43	14.266	22	32.1	38.17	21	32.1	G5		C7	9766	C -3015381
51	8.0	8.3W	18 9 19.112	0.0009	06	-36 29 34.30	-0.044	06	0.20	19.099	15	35.7	33.67	21	35.7	B9		C8	9303	C -3612329
52	10.3	9.3W	9 19.316	0.0004	13	-36 56 41.12	-0.024	13	0.26	19.310	15	35.7	40.77	21	35.7	K0	L	C8	9304	C -3612328
53	9.4	9.4W	9 19.833	-0.0008	21	-31 13 10.60	-0.006	21	0.43	19.847	22	32.1	10.50	21	32.1	A2		C7	9767	C -3115245
54	10.1	9.6W	9 24.198	-0.0001	21	-34 33 44.66	-0.012	21	0.43	24.200	22	32.1	44.45	21	32.1	F5		C7	9768	C -3412585
55		7.2T	9 30.858	0.0032	08	-39 10 24.38	-0.139	09	0.37	30.732	12	10.2	18.82	14	10.0	G0		GC	24821K	C*-3912330
56	8.5	8.7W	9 32.338	-0.0035	13	-35 13 28.03	-0.032	13	0.26	32.388	15	35.7	27.57	21	35.7	B8		C8	9307	C -3512379
57	9.5	9.4W	9 34.750	-0.0000	13	-36 51 58.38	-0.077	13	0.26	34.750	15	35.7	57.27	21	35.7	A3		C8	9308	C -3612331
58	8.7	8.6W	9 35.874	0.0034	21	-30 57 41.31	0.005	21	0.43	35.867	22	32.1	41.40	21	32.1	A2		C7	9769	C -3015390
59	10.0	8.4W	9 46.075	0.0032	21	-32 4 47.86	-0.019	21	0.43	46.017	22	32.1	47.51	21	32.1	K2		C7	9770	C -3213884
60		7.5T	9 48.210	-0.0002	12	-39 16 4.76	-0.004	10	0.46	48.219	17	11.5	4.60	15	08.3	B9		GC	24826	C -3912341
61	9.6	8.8W	9 49.033	0.0002	21	-32 44 4.93	0.005	21	0.43	49.029	22	32.1	5.03	21	32.1	K0		C7	9771	C -3213885
62	9.1	9.3W	9 56.119	0.0012	21	-32 24 8.52	-0.000	21	0.43	56.097	22	32.1	8.51	21	32.1	B8		C7	9772	C -3213887
63	9.7	8.5W	9 57.946	0.0004	21	-33 33 26.24	0.005	21	0.43	57.940	22	32.1	26.34	21	32.1	K0		C7	9773	C -3312959
64	7.9	7.6W	9 59.173	-0.0013	08	-39 43 25.56	-0.146	08	0.22	59.192	15	35.7	23.47	21	35.7	F5		C8	9311	C -3912343
65	9.5	8.2W	10 2.905	-0.0003	13	-36 44 42.84	-0.026	13	0.26	2.910	15	35.7	42.47	21	35.7	K2		C8	9312	C -3612342
66	10.0	9.6W	10 11.801	0.0009	18	-35 39 13.51	-0.051	18	0.32	11.789	15	35.7	12.77	21	35.7	G5		C8	9313	C -3512389
67	9.6	8.8W	10 12.208	-0.0016	07	-39 8 7.96	-0.027	07	0.21	12.231	15	35.7	7.57	21	35.7	K0		C8	9314	C -3912346
68	9.6	9.3W	10 14.534	0.0014	21	-34 17 17.42	0.006	21	0.43	14.510	22	32.1	17.54	21	32.1	F8		C7	9774	C -3412599
69	9.8	9.4W	10 14.774	-0.0037	21	-34 51 26.47	0.071	21	0.43	14.840	22	32.1	27.25	21	32.1	F0		C7	9775	C -3412598
70	9.0	8.5W	10 15.848	-0.0090	21	-33 30 35.70	-0.177	21	0.43	16.010	22	32.1	32.54	21	32.1	G5		C7	9776	C -3312962
71	8.9	9.2W	10 17.800	0.0011	21	-34 55 0.25	0.022	21	0.43	17.780	22	32.1	0.64	21	32.1	B8		C7	9777	C -3412601
72	8.8	8.0W	10 18.711	0.0008	13	-37 15 57.56	0.001	13	0.26	18.700	15	35.7	57.57	21	35.7	G5		C8	9315	C -3712328
73		6.6T	10 21.974	0.0018	11	-31 58 54.30	-0.008	09	0.58	21.877	17	96.6	53.86	17	93.6	B8		GC	24844	C -3115265
74	9.2	9.5W	10 22.867	-0.0015	13	-35 37 22.93	0.003	13	0.26	22.889	15	35.7	22.97	21	35.7	B9		C8	9316	C -3512393
75	9.7	9.5W	10 24.170	0.0011	21	-32 31 7.44	-0.007	21	0.43	24.149	22	32.1	7.33	21	32.1	F5		C7	9779	C -3213896
76	9.4	9.7W	10 25.977	-0.0002	18	-37 40 52.07	0.007	18	0.32	25.980	15	35.7	52.17	21	35.7	B9		C8	9317	C -3712331
77	10.3	9.4W	10 27.159	0.0012	21	-32 17 3.36	0.031	21	0.43	27.138	22	32.1	3.91	21	32.1	K0		C7	9780	C -3213897
78	10.3	9.8W	10 33.632	0.0010	13	-35 12 3.86	-0.027	13	0.26	33.618	15	35.7	3.47	21	35.7	G2	L	C8	9319	C -3512395
79	9.3	9.3W	10 33.670	0.0002	21	-31 21 22.92	-0.046	21	0.43	33.667	22	32.1	22.10	21	32.1	A2		C7	9781	C -3115269
80		7.1T	10 40.282	0.0015	17	-38 25 37.24	-0.026	13	0.70	40.217	17	05.8	36.07	15	04.6	A0		GC	24851	C -3812600
81	10.0	9.4W	10 41.260	-0.0048	13	-35 33 9.76	-0.055	13	0.26	41.329	15	35.7	8.97	21	35.7	K0	L	C8	9322	C*-3512397
82	9.1	7.9W	10 41.320	0.0030	21	-32 13 29.96	-0.014	21	0.42	41.267	22	32.6	29.71	21	32.6	K2		C7	9782	C -3213900
83	8.0	8.4W	10 41.823	0.0009	13	-36 53 13.16	-0.013	13	0.26	41.810	15	35.7	12.97	21	35.7	B5		C8	9323	C -3612348
84	7.6	7.9W	10 43.004	0.0015	13	-39 57 54.69	-0.071	13	0.26	42.982	15	35.7	53.67	21	35.7	A0		C8	9324	C -3912357
85	7.4	7.9W	10 43.173	0.0031	21	-34 18 15.06	-0.002	21	0.42	43.120	22	32.6	15.04	21	32.6	B8		C7	9783	C -3412610
86	7.4	7.7W	10 44.671	0.0022	13	-37 38 10.15	-0.026	13	0.26	44.640	15	35.7	9.77	21	35.7	A0		C8	9325	C -3712334
87	9.1	9.2W	10 44.937	-0.0022	21	-30 26 9.02	0.003	21	0.42	44.975	22	32.6	9.07	21	32.6	A2		C7	9784	C -3015414
88	7.8	8.2W	10 45.116	0.0026	21	-33 14 56.76	-0.060	21	0.42	45.069	22	32.6	55.73	21	32.6	B9		C7	9785	C -3312975
89		7.2T	10 45.957	-0.0013	13	-34 36 43.49	-0.008	13	0.68	46.019	18	01.3	43.09	18	00.7	K0		GC	24854	C -3412612
90	9.5	8.3W	10 52.147	0.0018	13	-39 2 0.12	0.004	13	0.26	52.121	15	35.7	0.17	21	35.7	K2		C8	9326	C -3912361
91	9.5	8.1W	10 53.578	-0.0000	13	-35 25 42.09	-0.036	13	0.26	53.578	15	35.7	41.57	21	35.7	K2		C8	9327	C -3512401
92	10.1	9.2W	10 54.012	-0.0016	13	-36 9 36.12	-0.052	13	0.26	53.989	15	35.7	35.37	21	35.7	K0		C8	9328	C -3612351
93	10.4	9.5W	10 54.447	-0.0010	21	-30 26 12.06	-0.011	21	0.42	54.465	22	32.6	11.87	21	32.6	G5		C7	9787	C -3015421
94	9.1	8.2W	11 2.590	0.0007	12	-37 39 57.09	-0.008	12	0.25	2.580	15	35.7	56.97	21	35.7	K0	L	C8	9329	C -3712340
95	8.6	8.9W	11 7.505	-0.0009	21	-32 33 22.32	0.000	21	0.42	7.519	22	32.6	22.33	21	32.6	A0		C7	9788	C -3213910
96	10.6	9.3W	11 11.387	-0.0015	13	-36 12 27.89	-0.022	13	0.26	11.409	15	35.7	27.57	21	35.7	K2	L	C8	9330	C -3612358
97	7.6	7.9W	11 14.894	0.0010	07	-36 54 52.72	-0.038	07	0.21	14.880	15	35.7	52.17	21	35.7	B9		C8	9331	C -3612361
98	11.0	9.5W	11 15.238	-0.0017	21	-32 27 36.22	-0.029	21	0.42	15.267	22	32.6	35.71	21	32.6	K2		C7	9789	C -3213912
99	9.1	9.0W	11 21.485	-0.0009	21	-32 57 29.37	0.049	21	0.42	21.499	22	32.6	30.23	21	32.6	A5		C7	9790	C -3213914
00	7.9	8.3W	11 24.746	-0.0007	21	-33 9 23.47	0.037	21	0.42	24.759	22	32.6	24.13	21	32.6	B2		C7	9791	C -3312990

209900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.6	9.6W	18 11 29.117	0.0006	21	-31 3 47.63	0.027	21	0.42	29.107	22	32.6	48.10	21	32.6	A0	C7	9792	C -3115287
2		7.1T	11 31.551	-0.0001	16	-35 5 47.76	-0.025	13	0.80	31.554	15	98.1	46.40	15	95.5	K0	GC	24876	C -3512411
3	9.7	8.2W	11 32.620	0.0053	21	-32 13 44.53	-0.041	21	0.42	32.527	22	32.6	35.36	21	32.6	K5	C7	9793	C -3213919
4	8.3	8.7W	11 38.528	0.0012	21	-31 24 1.25	-0.055	21	0.42	39.507	22	32.6	0.30	21	32.6	B8	C7	9794	C -3115292
5	9.1	9.2W	11 39.895	-0.0039	13	-38 54 36.40	0.047	13	0.26	39.951	15	35.7	37.07	21	35.7	A2	C8	9335	C -3812616
6	9.6	9.7W	11 40.145	0.0027	21	-31 45 30.98	0.002	21	0.42	40.097	22	32.6	31.01	21	32.6	A0	C7	9795	C -3115291
7	9.1	8.2W	11 42.497	0.0033	21	-33 36 46.72	0.012	21	0.42	42.440	22	32.6	46.94	21	32.6	G5	C7	9796	C -3312995
8	9.4	9.5W	11 44.420	-0.0021	21	-30 50 44.16	0.025	21	0.42	44.457	22	32.6	44.59	21	32.6	A0	C7	9797	C -3015439
9	9.5	9.5W	11 50.686	-0.0023	13	-35 50 7.12	-0.010	13	0.26	50.719	15	35.7	6.97	21	35.7	K2	C8	9336	C -3512414
10	10.0	9.8W	11 57.178	0.0011	21	-34 9 4.48	-0.003	21	0.42	57.160	22	32.6	4.44	21	32.6	G5	C7	9798	C -3412830
11	11.0	9.6W	11 57.834	0.0049	21	-34 22 48.75	0.010	21	0.42	57.749	22	32.6	48.94	21	32.6	K5	C7	9799	C -3412829
12	11.1	10.3W	12 0.268	-0.0079	21	-30 21 32.84	-0.004	21	0.42	0.405	22	32.6	32.77	21	32.6	G5	C7	9800	C -3015448
13	9.5	9.2W	12 2.593	0.0009	13	-36 47 13.86	-0.055	13	0.26	2.580	15	35.7	13.07	21	35.7	F5	C8	9339	C -3612379
14		7.3T	12 6.364	0.0015	17	-35 3 16.91	-0.011	13	0.73	6.294	18	04.2	16.38	17	02.1	K0	GC	24887	C -3512422
15	8.0	7.9W	12 6.402	0.0031	21	-31 45 22.36	-0.002	21	0.42	6.348	22	32.6	22.31	21	32.6	F0	C7	9801	C -3115302
16		6.9T	12 7.615	0.0013	15	-34 36 40.14	-0.012	13	0.73	7.551	19	01.5	39.52	19	98.9	B8	GC	24888	C -3412832
17	9.8	10.0W	12 14.230	-0.0020	13	-35 48 54.25	-0.054	13	0.26	14.259	15	35.7	53.47	21	35.7	A3	C8	9341	C -3512425
18		7.4T	12 21.073	0.0010	13	-32 21 33.97	-0.037	12	0.69	21.023	18	00.0	31.97	18	95.7	F0	GC	24896	C -3213931
19		6.9T	12 23.027	0.0026	11	-33 6 29.77	-0.014	08	0.55	22.890	17	97.6	28.98	17	93.0	B9	GC	24897	C -3313014
20	9.9	9.2W	12 24.669	0.0028	13	-35 47 37.99	-0.064	13	0.26	24.629	15	35.7	37.07	21	35.7	G5	C8	9344	C -3512425
21	10.2	8.9W	12 25.031	-0.0017	21	-34 55 4.42	0.076	21	0.42	25.061	22	32.6	5.75	21	32.6	K5	C7	9805	C -3412836
22		7.0T	12 27.576	-0.0001	10	-36 55 27.56	-0.005	08	0.52	27.583	17	95.7	27.30	17	92.3	B3	GC	24898	C+-3612388
23	7.2	7.4W	12 28.405	0.0012	13	-35 39 16.25	-0.040	13	0.26	28.389	15	35.7	15.67	21	35.7	A0	C8	9346	C -3512429
24	8.0	8.2W	12 28.958	0.0005	13	-36 46 54.62	-0.010	13	0.26	28.950	15	35.7	54.47	21	35.7	B8	C8	9347	C -3612389
25	8.6	8.2W	12 34.784	0.0024	13	-37 4 10.83	-0.137	13	0.26	34.750	15	35.7	8.87	21	35.7	F8	C8	9348	C -3712376
26	9.8	9.6W	12 39.578	0.0026	13	-38 47 37.13	-0.004	13	0.26	39.541	15	35.7	37.07	21	35.7	F8	C8	9349	C -3812829
27	9.7	8.2W	12 40.936	-0.0017	21	-31 46 34.83	-0.018	21	0.42	40.968	22	32.6	34.51	21	32.6	K5	C7	9807	C -3115317
28	8.3	7.7W	12 43.612	-0.0004	21	-33 46 28.53	0.046	21	0.42	43.619	22	32.6	29.34	21	32.6	K0	C7	9807	C -3313021
29	9.7	8.2W	12 47.553	0.0019	21	-33 19 42.34	0.016	21	0.42	47.519	22	32.6	42.63	21	32.6	K5	C7	9808	C -3313023
30	9.9	10.1W	12 48.194	0.0024	18	-37 29 28.87	-0.014	18	0.32	48.160	15	35.7	28.67	21	35.7	A2	C8	9350	C -3712362
31	9.6	8.6W	12 49.140	-0.0021	13	-36 37 8.82	0.004	13	0.26	49.170	15	35.7	8.87	21	35.7	K0	C8	9351	C -3612395
32		7.1T	12 52.216	-0.0019	18	-35 15 29.87	0.020	14	0.82	52.306	17	01.9	30.89	19	99.3	K2	GC	24904	C -3512436
33		7.6T	12 56.703	0.0009	11	-31 10 36.86	-0.008	09	0.58	56.656	17	97.6	36.40	17	95.3	B5	GC	24907K	C -3115328
34	8.7	9.0W	12 56.932	0.0001	10	-38 56 17.47	-0.007	10	0.23	56.931	15	35.7	17.37	21	35.7	B9	C8	9353	C -3812634
35	8.7	8.8W	12 57.852	0.0001	18	-38 41 0.12	-0.024	18	0.32	57.851	15	35.7	59.77	21	35.7	A2	C8	9354	C -3812635
36	9.4	9.1W	12 57.928	0.0006	21	-31 54 52.56	-0.077	21	0.42	57.918	22	32.6	51.21	21	32.6	G0	C7	9810	C -3115326
37		7.2T	13 4.684	0.0063	10	-31 20 20.19	-0.029	09	0.53	4.353	17	97.5	18.70	15	97.8	F0	GC	24910	C+-3115331
38	8.5	8.9W	13 6.124	-0.0012	21	-30 8 33.54	0.019	21	0.42	6.145	22	32.6	33.87	21	32.6	B3	C7	9812	C -3015474
39	9.0	9.4W	13 14.239	0.0028	21	-33 9 19.40	-0.022	21	0.42	14.189	22	32.6	19.03	21	32.6	B9	C7	9813	C -3313029
40	9.2	9.4W	13 16.295	-0.0024	21	-30 38 10.92	-0.007	21	0.42	16.337	22	32.6	10.80	21	32.6	A0	C7	9814	C -3015478
41	7.3	7.7W	13 17.891	-0.0008	21	-30 25 22.49	0.016	21	0.42	17.906	22	32.6	22.77	21	32.6	B8	C7	9815	C -3015479
42	10.0	9.4W	13 21.209	0.0017	21	-33 52 40.60	-0.044	21	0.42	21.180	22	32.6	39.84	21	32.6	K0	C7	9816	C -3313032
43	9.7	9.7W	13 21.258	0.0039	21	-34 41 41.60	-0.086	21	0.42	21.191	22	32.6	41.15	21	32.6	B9	C7	9817	C -3412655
44	10.4	9.4W	13 22.016	0.0012	13	-35 47 14.28	-0.028	13	0.26	21.999	15	35.7	13.87	21	35.7	K2	C8	9357	C -3512443
45	9.5	9.5W	13 29.107	-0.0008	13	-35 44 59.97	-0.042	13	0.26	29.119	15	35.7	59.37	21	35.7	A5	C8	9358	C -3512444
46	9.5	9.3W	13 42.461	0.0044	21	-30 17 17.13	0.031	21	0.42	42.385	22	32.6	17.67	21	32.6	F8	C7	9818	C -3015484
47	8.9	8.7W	13 42.529	0.0012	21	-32 23 20.07	-0.003	21	0.42	42.508	22	32.6	20.01	21	32.6	F2	C7	9819	C -3213960
48	8.8	9.2W	13 45.541	0.0022	13	-36 8 49.73	-0.011	13	0.26	45.510	15	35.7	49.57	21	35.7	B9	C8	9360	C -3612648
49		6.8T	13 51.526	0.0008	11	-38 11 47.43	-0.003	08	0.53	51.487	18	98.6	47.27	18	94.6	K0	GC	24929	C -3812650
50	9.7	9.0W	13 55.717	-0.0048	21	-32 30 46.81	-0.051	21	0.42	55.799	22	32.6	45.93	21	32.6	K0	C7	9820	C -3213965
51	10.5	9.4W	18 13 59.271	-0.0013	18	-37 59 4.82	-0.010	18	0.32	59.290	15	35.7	4.67	21	35.7	G5	C8	9362	C -3812652
52	7.9	8.3W	13 59.815	0.0003	21	-32 57 28.53	0.028	21	0.42	59.809	22	32.6	29.03	21	32.6	B8	C7	9821	C -3213966
53		7.4T	14 1.857	0.0019	11	-31 18 58.12	-0.000	09	0.57	1.759	17	98.4	58.09	17	95.6	B8	GC	24935	C -3115344
54	9.0	9.4W	14 2.949	-0.0014	13	-35 34 34.95	-0.005	13	0.26	2.969	15	35.7	34.87	21	35.7	B9	C8	9363	C -3512456
55	9.7	9.4W	14 6.062	-0.0020	21	-30 44 0.67	0.013	21	0.42	6.097	22	32.6	0.90	21	32.6	F8	C7	9823	C -3015492
56	9.1	8.9W	14 13.885	-0.0001	21	-31 29 20.50	0.017	21	0.42	13.887	22	32.6	20.80	21	32.6	G0	C7	9824	C -3115349
57		3.2H	14 14.573	-0.0107	02	-36 46 43.49	-0.166	02	0.09	14.959	04	13.8	37.03	04	11.2	M3	F4	683	C -3612433
58	10.3	9.1W	14 16.255	-0.0023	21	-30 1 13.22	0.026	21	0.42	16.295	22	32.6	13.67	21	32.6	K5	C7	9825	C -3015494
59		6.1I	14 17.236	-0.0011	13	-34 7 35.38	-0.009	13	0.69	17.289	15	99.8	34.92	18	97.9	B5	GC	24947DV	C+-3412673
60	9.0	9.3W	14 17.374	0.0008	21	-32 46 33.86	0.009	21	0.42	17.359	22	32.6	34.03	21	32.6	A0	C7	9827	C -3213970
61	8.3	8.7W	14 22.212	-0.0027	21	-34 6 24.10	-0.004	21	0.42	22.260	22	32.6	24.04	21	32.6	A0	C7	9828	C -3412675
62	9.6	8.7W	14 23.629	0.0040	21	-34 25 6.25	-0.007	21	0.42	23.560	22	32.6	6.13	21	32.6	K0	C7	9829	C -3412676
63	9.9	9.0W	14 30.591	-0.0038	21	-30 35 14.69	-0.017	21	0.42	30.657	22	32.6	14.40	21	32.6	G5	C7	9830	C -3015500
64	9.3	9.5W	14 30.830	-0.0037	21	-30 12 33.21	-0.060	21	0.42	30.895	22	32.6	32.17	21	32.6	B9	C7	9831	C -3015501
65	8.9	9.0W	14 32.483	0.0015	13	-39 6 58.00	0.026	13	0.26	32.461	15	35.7	58.37	21	35.7	A2	C8	9367	C -3912425
66		7.0T	14 33.365	0.0020	12	-33 24 56.44	0.002	10	0.59	33.260	17	98.2	56.56	18	96.3	B8	GC	24951	C -3313052
67	9.4	8.4W	14 35.681	0.0019	21	-32 14 20.18	-0.009	21	0.42	35.648	22	32.6	20.01	21	32.6	K0	C7	9833	C -3213974
68	9.4	8.7W	14 40.564	-0.0025	10	-37 7 40.35	-0.054	10	0.23	40.600	15	35.7	39.57	21	35.7	G5	C8	9368	C -3712412
69	9.0	7.8W	14 49.218	-0.0022	13	-38 14 59.44	-0.026	13	0.26	49.250	15	35.7	59.07	21	35.7	K2	C8	9369	C -3812667
70	8.5	9.1W	14 52.877	0.0034	13	-36 22 26.85	-0.054	13	0.26	52.829	15	35.7	26.07	21	35.7	B8	C8	9370	C -3612433
71	10.6	9.7W	14 56.557	-0.0038	13	-38 57 55.30	0.005	13	0.26	56.611	15	35.7	55.37	21	35.7	G5	C8	9371	C -3812669
72	8.9	9.2W	14 57.874	0.0021	21	-32 28 41.92	-0.000	21	0.42	57.837	22	32.6	41.91	21	32.6	A0	C7	9834	C -3213980
73	8.6	9.0W	15 0.499	-0.0006	21	-33 47 32.71	-0.010	21	0.42	0.510	22	32.6	32.54	21	32.6	B9	C7	9835	C -3313057
74	8.4	8.8W	15 0.844	0.0002	21	-34 59 23.57	0.027	21	0.42	0.841	22	32.6	24.04	21	32.6	A0	C7	9836	C -3512472
75	10.8	9.3W	15 2.449	-0.0022	21	-30 43 14.91	0.005	21	0.42	2.487	22	32.6	15.00	21	32.6	K5	C7	9837	C -3015512
76	9.5	9.5W	15 4.424	0.0025	13	-35 47 18.09	-0.050	13	0.26	4.389	15	35.7	17.37	21	35.7	A5	C8	9372	C -3512473
77	10.2	8.8W	15 9.115	-0.0024	21	-30 43 52.50	-0.000	21	0.42	9.157	22	32.6	52.50	21	32.6	K5	C7	9838	C -3015514
78		6.9T	15 10.548	-0.0005	14	-34 42 23.82	-0.010	13	0.72	10.573	19	00.2	23.29	19	97.7	B8	GC	24966	C -3412687
79		7.5T	15 14.727	-0.0008	12	-37 14 40.93	-0.010	08	0.53	14.768	18	01.6	40.43	18	98.6	K0	GC	24967	C+-3712418
80	10.2	9.4W	15 16.071	0.0001	13	-37 7 46.99	-0.036	13	0.26	16.070	15	35.7	46.47	21	35.7	G5	C8	9374	C -3712421
81	9.5	9.1W	15 19.812	-0.0050	21	-34 12 13.32	-0.149	21	0.42	19.900	22	32.6	10.74	21	32.6	G0	C7	9840	C -3412691
82	9.5	9.3W	15 21.558	0.0002	21	-30 4 28.72	-0.003	21	0.42	21.555	22	32.6	28.67	21	32.6	F5	C7	9841	C -3015515
83	8.7	8.9W	15 36.013	-0.0014	21	-31 14 56.65	0.014	21	0.42	36.037	22	32.6	56.90	21	32.6	A0	C7	9842	C -3115381
84	9.7	9.8W	15 46.428	-0.0004	21	-30 29 17.14	-0.010	21	0.42	46.435	22	32.6	16.97	21	32.6	A0	C7	9843	C -3015525
85	9.0	8.3W	15 54.208	0.0004	13	-39 41 52.47	0.014	13	0.26	54.202	15	35.7	52.67	21	35.7	G5	C8	9376	C -3912452
86	8.3	7.7W	15 58.224	-0.0038	21	-34 45 44.36	0.016	21	0.42	58.291	22	32.6	44.65	21	32.6	G5	C7	9844	C -3412705
87	9.5	9.5W	16 6.640	-0.0000	21	-34 40 2.18	0.015	21	0.42	6.641	22	32.6	2.44	21	32.6	A3	C7	9845	C -3412708
88	11.0	9.8W	16 8.086	-0.0023	30	-36 22 12.75	-0.194	30	0.47	8.119	15	35.7	9.97	21	35.7	K1	C8	9378	C -3612459
89	9.0	8.9W	16 12.218	-0.0008	10	-38 24 12.16	-0.034	10	0.23	12.230	15	35.7	11.67	21	35.7	F0	C8	9379	C -3812688
90	9.4	9.5W	16 13.124	0.0015	21	-32 4 52.16	-0.025	21	0.42	13.097	22	32.6	51.71	21	32.6	A0	C7	9846	C -3214005
91	8.2	8.4W	16 19.538	0.0010	21	-33 2 37.20	0.024	21	0.42	19.519	22	32.6	37.63	21	32.6	A0	C7	9847	C -3313062
92	10.0	9.7W	16 22.444	0.0052	18	-38 0 30.93	-0.046	18	0.32	22.370	15	35.7	30.27	21	35.7	F8	C8	9380	C -3812690
93	8.6	8.9W	16 22.728	0.0006	13	-37 37 24.26	-0.020	13	0.26	22.720	15	35.7	23.97	21	35.7	A2	C8	9381	C -3712438
94	9.5	9.2W	16 30.568	0.0027	13	-37 42 18.21	-0.016	13	0.26	30.530	15	35.7	17.97	21	35.7	F8	C8	9383	C -3712443
95	9.3	9.1W	16 37.723	0.0024	13	-36 1 49.28	-0.035	13	0.26	37.689	15	35.7	48.77	21	35.7	A5	C8	9385	C -3612471
96	8.3	8.7W	16 39.872	-0.0005	13	-36 3 29.50	0.005	13	0.26	39.879	15	35.7	29.57	21	35.7	B8	C8	9386	C -3612472
97	9.1	8.9W	16 40.521	-0.0040	08	-35 54 46.41	-0.031	08	0.22	40.579	15	35.7	45.97	21	35.7	F5	C8	9387	C -3512495
98	9.7	8.5W	16 41.383	0.0008	10	-39 37 18.87	-0.014	10	0.23	41.372	15	35.7	18.67	21	35.7	K0	C8	9388	C -3912465
99	9.3	9.6W	16 42.267	-0.0010	13	-38 50 1.15	0.016	13	0.26	42.281	15	35.7	1.37	21	35.7	B8	C8	9389	C -3812692
00	9.5	9.3W	16 44.492	-0.0025	13	-35 27 57.09	-0.057	13	0.26	44.528	15	35.7	56.27	21	35.7	F2	C8	9390	C -3512496

210000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 18H DM NUMBER
1	9.2	9.4W	18 16 48.070	-0.0016	21	-32 23 23.76	-0.008	21	0.42	48.098	22	32.6	23.61	21	32.6	B9		C7	9848	C -3214014
2	7.4	7.8W	16 48.919	-0.0012	21	-34 47 49.15	-0.006	21	0.42	48.941	22	32.6	49.05	21	32.6	B9		C7	9849	C -3412720
3	8.6	8.9W	16 50.652	-0.0009	21	-32 21 50.69	-0.027	21	0.42	50.667	22	32.6	50.21	21	32.6	B8		C7	9850	C -3214017
4	8.6	8.8W	16 55.638	-0.0006	21	-32 23 47.92	-0.000	21	0.42	55.648	22	32.6	47.91	21	32.6	B8		C7	9851	C -3214018
5		6.7T	16 55.686	0.0009	09	-35 27 4.09	-0.008	09	0.37	55.649	10	10.0	3.78	12	10.8	B9		GC	25001	C#-3512500
6	10.3	9.0W	16 56.090	-0.0006	21	-32 43 29.97	-0.026	21	0.42	56.099	22	32.6	29.53	21	32.6	B9		C7	9852	C -3214019
7	9.1	7.8W	16 57.356	0.0005	13	-36 27 6.15	-0.005	13	0.26	57.349	15	35.7	6.07	21	35.7	K2		C8	9392	C -3612474
8	9.0	9.4W	16 59.975	0.0033	13	-35 0 4.82	-0.038	13	0.26	59.928	15	35.7	4.27	21	35.7	B8		C8	9394	C -3512501
9	7.9	8.3W	17 1.148	-0.0006	21	-32 21 59.32	-0.029	21	0.42	1.157	22	32.6	58.81	21	32.6	B8		C7	9853	C -3214024
10	9.0	9.3W	17 2.959	0.0011	21	-32 42 8.55	-0.013	21	0.42	2.939	22	32.6	8.33	21	32.6			C7	9854	C#-3214027
11	10.0	9.7W	17 7.035	0.0067	18	-36 4 1.79	-0.001	18	0.32	6.939	15	35.7	1.77	21	35.7	G0	L	C8	9396	C -3612479
12		7.4T	17 12.299	0.0012	10	-31 20 21.86	0.026	08	0.50	12.239	17	99.4	23.25	15	95.7	A5		GC	25005	C#-3115412
13	9.0	9.2W	17 14.469	-0.0017	21	-31 35 3.06	0.026	21	0.42	14.498	22	32.6	3.51	21	32.6	A0		C7	9856	C -3115414
14		7.2T	17 16.165	-0.0013	16	-36 47 53.56	0.003	11	0.71	16.229	21	02.1	53.73	19	97.6	M0		GC	25007	C -3612487
15	8.4	8.5W	17 19.147	0.0028	21	-32 22 27.31	-0.051	21	0.42	19.098	22	32.6	26.41	21	32.6	A2		C7	9857	C -3214037
16	10.1	8.8W	17 30.106	-0.0005	21	-30 8 44.21	-0.008	21	0.42	30.116	22	32.6	44.07	21	32.6	K5		C7	9858	C -3015559
17		6.5T	17 30.370	0.0009	14	-37 30 38.96	-0.008	12	0.67	30.329	21	02.3	38.56	19	99.0	K0		GC	25018	C -3712457
18	9.4	9.1W	17 36.804	-0.0046	13	-36 41 34.68	0.021	13	0.26	36.870	15	35.7	34.97	21	35.7	G0		C8	9402	C -3612493
19		7.0T	17 38.112	0.0011	12	-33 21 23.02	0.010	10	0.61	38.053	15	35.7	23.55	17	97.3	A0		GC	25020	C -3313103
20	9.6	9.2W	17 44.904	-0.0110	13	-38 42 12.12	-0.213	13	0.26	45.061	15	35.7	9.07	21	35.7	G0		C8	9406	C -3812710
21	10.0	9.0W	17 45.667	-0.0024	21	-34 9 0.75	-0.022	21	0.42	45.709	22	32.6	1.14	21	32.6	K2		C7	9860	C -3412734
22		6.7T	17 46.739	-0.0000	12	-39 2 43.20	-0.034	09	0.53	46.741	17	02.8	41.47	15	99.4	B9		GC	25023	C -3912497
23	8.8	8.8W	17 54.464	-0.0013	21	-30 39 54.09	0.029	21	0.42	54.487	22	32.6	54.60	21	32.6	A3		C7	9861	C -3015568
24	10.1	9.9W	17 58.074	-0.0017	13	-36 24 14.73	-0.004	13	0.26	58.099	15	35.7	14.67	21	35.7	G0		C8	9408	C -3612498
25	10.5	9.3W	18 1.374	0.0010	21	-30 34 14.27	-0.073	21	0.42	1.357	22	32.6	13.00	21	32.6	K5		C7	9862	C -3015570
26		7.0T	18 2.814	0.0009	09	-30 57 54.34	-0.014	07	0.44	2.767	14	97.2	53.60	14	95.6	B9		GC	25028	C -3015572
27		7.1T	18 4.226	0.0018	10	-32 12 18.25	-0.001	09	0.55	4.126	18	94.9	18.21	17	92.9	A3		GC	25029	C -3214051
28	10.6	9.3W	18 4.288	-0.0022	21	-30 41 50.56	-0.015	21	0.42	4.327	22	32.6	50.30	21	32.6	K7		C7	9865	C -3015573
29	9.5	9.1W	18 5.923	0.0019	21	-34 46 1.10	-0.107	21	0.42	5.891	22	32.6	59.24	21	32.6	G0		C7	9866	C -3412740
30	9.2	9.5W	18 11.323	-0.0031	21	-31 15 13.54	-0.008	21	0.42	11.377	22	32.6	13.40	21	32.6	A0		C7	9867	C -3115431
31	9.2	9.6W	18 12.741	0.0001	21	-33 38 27.69	-0.032	21	0.42	12.740	22	32.6	27.14	21	32.6	A		C7	9868	C -3313111
32	8.6	8.8W	18 14.276	-0.0047	21	-32 16 29.09	0.013	21	0.42	14.358	22	32.6	29.31	21	32.6	B8		C7	9869	C -3214054
33	8.8	7.6W	18 16.467	-0.0001	21	-33 33 14.51	0.047	21	0.42	16.469	22	32.6	15.34	21	32.6	K5		C7	9870	C -3313113
34	9.7	9.1W	18 18.610	-0.0084	09	-36 55 52.63	-0.067	09	0.22	18.730	15	35.7	51.67	21	35.7	G5		C8	9410	C -3612501
35	10.6	9.1W	18 19.015	-0.0007	21	-30 39 39.28	-0.016	21	0.42	19.027	22	32.6	39.00	21	32.6	K5		C7	9871	C -3015578
36	10.7	9.1W	18 19.333	0.0020	21	-32 1 7.21	-0.028	21	0.42	19.298	22	32.6	6.71	21	32.6	K7		C7	9872	C -3214056
37	10.2	9.5W	18 23.150	0.0009	13	-35 6 43.76	0.022	13	0.26	23.138	15	35.7	44.07	21	35.7	A0	L	C8	9411	C -3512523
38	10.2	9.9W	18 29.135	0.0016	21	-30 38 51.13	-0.036	21	0.42	29.107	22	32.6	50.50	21	32.6	A3		C7	9873	C -3015580
39	9.1	8.0W	18 29.714	-0.0035	21	-30 5 49.54	-0.033	21	0.42	29.775	22	32.6	48.97	21	32.6	K0		C7	9874	C -3015582
40	9.1	8.1W	18 30.331	0.0009	13	-35 4 19.02	-0.045	13	0.26	30.318	15	35.7	18.37	21	35.7	K2		C8	9412	C -3512529
41	10.0	8.4W	18 31.387	-0.0019	21	-32 48 11.47	-0.043	21	0.42	31.419	22	32.6	10.73	21	32.6	K7		C7	9875	C -3214059
42	10.0	9.8W	18 34.662	-0.0011	13	-35 28 23.49	-0.015	13	0.26	34.678	15	35.7	23.27	21	35.7	F2	L	C8	9414	C -3512532
43	8.3	8.5W	18 40.625	0.0004	21	-32 4 8.85	-0.036	21	0.42	40.618	22	32.6	8.21	21	32.6	A0		C7	9876	C -3214064
44	9.1	9.1W	18 42.458	-0.0017	21	-31 35 47.05	0.050	21	0.42	42.498	22	32.6	47.91	21	32.6	A2		C7	9877	C -3115441
45	9.7	9.5W	18 47.434	-0.0035	21	-30 15 56.42	0.043	21	0.42	47.495	22	32.6	57.17	21	32.6	G0		C7	9878	C -3015589
46	8.6	8.8W	18 47.728	-0.0008	09	-37 47 2.67	-0.021	09	0.22	47.740	15	35.7	2.37	21	35.7	A0		C8	9415	C -3712477
47	9.7	9.9W	18 50.507	-0.0072	13	-36 32 41.50	0.019	13	0.26	50.610	15	35.7	41.77	21	35.7	A3		C8	9416	C -3612509
48		5.1T	18 51.730	-0.0028	07	-38 40 53.27	-0.027	06	0.30	51.849	12	08.0	52.01	12	03.2	K0		GC	25051	C#-3812729
49	8.6	7.7W	18 51.838	0.0006	06	-38 34 12.13	-0.025	06	0.20	51.831	15	35.7	11.77	21	35.7	K0		C8	9418	C -3812730
50	10.4	9.3W	18 54.726	-0.0037	13	-36 28 57.81	0.012	13	0.26	54.779	15	35.7	57.97	21	35.7	K0	L	C8	9419	C -3612510
51	10.8	10.6W	18 18 56.320	-0.0035	18	-37 50 21.13	-0.011	18	0.32	56.370	15	35.7	20.97	21	35.7	A8	L	C8	9420	C -3712480
52	9.1	9.4W	18 59.650	-0.0005	21	-33 33 6.16	0.021	21	0.42	59.660	22	32.6	6.54	21	32.6	A0		C7	9879	C -3313131
53	10.7	9.9W	19 6.406	-0.0005	21	-30 54 14.50	0.023	21	0.42	6.417	22	32.6	14.90	21	32.6	K0		C7	9880	C -3015592
54	9.9	9.5W	19 7.195	-0.0011	13	-39 12 44.57	-0.063	13	0.26	7.211	15	35.7	43.67	21	35.7	F8		C8	9422	C -3912522
55	10.1	8.6W	19 9.015	0.0010	21	-32 14 22.52	-0.029	21	0.42	8.997	22	32.6	22.01	21	32.6	M8		C7	9881	C -3214068
56	9.9	9.8W	19 11.732	-0.0032	21	-31 57 36.72	0.161	21	0.42	11.787	22	32.6	39.51	21	32.6	A0		C7	9882	C -3115447
57	10.2	8.7W	19 19.929	-0.0023	13	-39 34 14.10	-0.009	13	0.26	19.962	15	35.7	13.97	21	35.7	K2		C8	9423	C -3912524
58	9.4	9.5W	19 22.264	-0.0019	21	-30 54 32.80	0.017	21	0.42	22.297	22	32.6	33.10	21	32.6	A0		C7	9883	C -3015598
59	9.7	9.9W	19 22.711	-0.0009	21	-31 5 57.38	0.076	21	0.42	22.727	22	32.6	58.70	21	32.6	A0		C7	9884	C -3115453
60	10.7	9.3W	19 24.160	-0.0027	21	-30 35 36.12	0.039	21	0.42	24.207	22	32.6	36.80	21	32.6	G5		C7	9885	C -3015600
61		5.4T	19 29.747	-0.0000	07	-36 41 41.17	-0.018	05	0.29	29.749	10	06.1	40.32	10	02.0	B8		GC	25067	C -3612524
62	9.6	9.5W	19 30.227	0.0017	21	-30 54 37.81	0.028	21	0.42	30.197	22	32.6	38.30	21	32.6	A3		C7	9886	C -3015601
63	10.6	9.1W	19 32.734	0.0003	21	-33 43 44.01	0.007	21	0.42	32.730	22	32.6	44.13	21	32.6	K2		C7	9887	C -3313142
64	8.1	8.5W	19 33.423	-0.0018	21	-30 9 57.42	0.049	21	0.42	33.455	22	32.6	58.27	21	32.6	B		C7	9888	C -3015604
65	9.4	8.0W	19 37.635	-0.0020	21	-32 53 33.64	-0.013	21	0.42	37.669	22	32.6	33.43	21	32.6	K5		C7	9889	C -3214077
66	10.0	9.2W	19 39.898	-0.0001	21	-34 41 26.56	-0.018	21	0.42	39.901	22	32.6	26.25	21	32.6	K0		C7	9890	C -3412764
67	11.0	10.0W	19 44.446	-0.0057	21	-30 17 8.08	-0.041	21	0.42	44.546	22	32.6	7.37	21	32.6	K2		C7	9891	C -3015607
68	10.3	9.3W	19 50.714	-0.0024	23	-36 20 38.22	-0.031	23	0.38	50.749	15	35.7	37.77	21	35.7	G8	L	C8	9427	C -3612528
69	10.6	9.5W	19 52.336	-0.0041	21	-30 55 45.63	0.027	21	0.42	52.407	22	32.6	46.10	21	32.6	K5		C7	9892	C -3015610
70	10.5	9.6W	19 59.814	-0.0019	21	-31 22 45.34	-0.054	21	0.42	59.847	22	32.6	44.40	21	32.6	G5		C7	9893	C -3115463
71	9.4	8.6W	19 59.904	-0.0012	13	-38 45 46.99	-0.015	13	0.26	59.921	15	35.7	46.77	21	35.7	K0		C8	9428	C -3812745
72	9.4	9.6W	20 1.359	-0.0068	21	-31 25 20.41	0.022	21	0.42	1.477	22	32.6	20.80	21	32.6	A0		C7	9894	C -3115464
73	9.0	8.8W	20 4.291	0.0006	10	-39 35 57.73	-0.011	10	0.23	4.282	15	35.7	57.57	21	35.7	F5		C8	9429	C -3912541
74	10.8	9.3W	20 6.234	-0.0013	21	-30 38 23.68	-0.016	21	0.42	6.257	22	32.6	23.40	21	32.6	M		C7	9895	C -3015621
75		5.6T	20 6.254	0.0014	07	-36 15 52.70	-0.006	06	0.30	6.195	10	07.7	52.43	12	04.2	K0		GC	25083	C -3612537
76	8.0	7.2W	20 9.257	-0.0024	18	-38 52 48.49	-0.001	18	0.32	9.291	15	35.7	48.47	21	35.7	K0		C8	9431	C -3812749
77	10.5	9.3W	20 9.703	-0.0049	21	-32 54 39.89	0.013	21	0.42	9.789	22	32.6	40.13	21	32.6	K5		C7	9896	C -3214085
78	9.8	9.7W	20 13.113	0.0003	21	-32 6 31.11	-0.074	21	0.42	13.108	22	32.6	29.81	21	32.6	A0		C7	9897	C -3214091
79	9.6	9.6W	20 16.388	-0.0004	21	-30 17 4.44	0.019	21	0.42	16.395	22	32.6	4.77	21	32.6	A0		C7	9898	C -3015625
80	9.6	8.4W	20 17.234	0.0002	21	-33 2 26.19	-0.010	21	0.42	17.229	22	32.6	26.03	21	32.6	K5		C7	9899	C -3313155
81	9.3	9.4W	20 18.129	0.0022	21	-34 55 35.43	-0.011	21	0.42	18.091	22	32.6	35.25	21	32.6	A2		C7	9900	C -3412772
82	10.9	9.5W	20 18.362	-0.0015	21	-32 6 9.93	-0.035	21	0.42	18.388	22	32.6	9.31	21	32.6	K5		C7	9901	P -32 5347
83	9.0	9.2W	20 24.168	0.0019	13	-39 1 10.60	-0.002	13	0.26	24.141	15	35.7	10.57	21	35.7	A0		C8	9433	C -3912550
84	9.6	10.1W	20 31.650	-0.0005	21	-34 24 34.07	0.044	21	0.42	31.659	22	32.6	34.84	21	32.6	B9	L	C7	9902	C -3412776
85	9.3	8.3W	20 36.212	-0.0016	21	-34 41 0.66	-0.001	21	0.42	36.241	22	32.6	0.65	21	32.6	K2		C7	9903	C -3412779
86	9.7	9.3W	20 42.902	-0.0013	21	-30 20 35.32	-0.020	21	0.42	42.925	22	32.6	34.97	21	32.6	G0		C7	9904	C -3015639
87	8.6	9.0W	20 44.391	-0.0034	18	-37 14 39.51	0.018	18	0.32	44.440	15	35.7	39.77	21	35.7	B9		C8	9434	C -3712503
88		6.8T	20 44.756	0.0008	12	-34 21 39.00	-0.004	09	0.54	44.715	17	01.8	38.80	17	98.0	B9		GC	25096	C -3412781
89	8.6	7.6W	20 45.193	0.0018	13	-35 1 54.50	-0.002	13	0.26	45.168	15	35.7	54.47	21	35.7	K2		C8	9435	C -3512560
90	9.0	9.1W	20 51.003	-0.0039	09	-35 47 28.13	-0.011	09	0.22	51.059	15	35.7	27.97	21	35.7	A0		C8	9437	C -3512562
91		2.0H	20 51.188	-0.0026	02	-34 24 36.94	-0.125	02	0.08	51.289	04	10.9	31.83	04	09.3	A0		F4	689	C -3412784
92	9.9	9.7W	20 51.658	-0.0017	21	-32 26 57.23	-0.012	21	0.42	51.688	22	32.6	57.01	21	32.6	F8		C7	9907	C -3214105
93	9.4	9.6W	20 53.374	-0.0013	21	-31 9 33.15	0.014	21	0.42	53.397	22	32.6	33.40	21	32.6	A0		C7	9908	C -3115478
94	9.4	9.5W	20 53.579	-0.0032	21	-30 18 24.61	0.055	21	0.42	53.635	22	32.6	25.57	21	32.6	A2		C7	9909	C -3015641
95	8.8	8.6W	20 55.268	-0.0028	21	-31 13 41.06	0.048	21	0.42	55.317	22	32.6	41.90	21	32.6	A5		C7	9910	C -3115479
96	10.1	9.3W	20 57.810	-0.0048	13	-36 28 35.96	-0.055	13	0.26	57.879	15	35.7	35.17	21	35.7	K0		C8	9439	C -3612563
97	7.9	8.2W	21 6.212	0.0001	09	-38 38 23.85	-0.012	09	0.22	6.211	15	35.7	23.67	21	35.7	B8		C8	9441	C -3812765
98	7.7	7.8W	21 6.583	0.0002	14	-37 15 15.69	0.006	14	0.27	6.580	15	35.7	15.79	21	35.7	A3		C8	9442	C -3712513
99	9.0	9.2W	21 9.278	0.0013	21	-30 9 55.21	-0.008	21	0.42	9.256	22	32.6	55.07	21	32.6	A0		C7	9911	C -3015647
00	9.5	9.5W	21 9.467	-0.0015	23	-36 20 29.12	-0.010	23	0.38	9.489	15	35.7	28.97	21	35.7	A2		C8	9444	C -3612568

210100

-30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	7.6	8.0W	18 21 11.080	-0.0004	21	-30 42 59.27	0.013	21	0.42	11.087	22	32.6	59.50	21	32.6	A0	C7	9912	C -3015648
2	8.1	8.5W	21 11.713	-0.0033	21	-33 18 31.90	0.001	21	0.42	11.769	22	32.6	31.93	21	32.6	A0	C7	9913	C -3313174
3	9.7	8.7W	21 12.556	-0.0015	13	-35 10 34.25	-0.019	13	0.26	12.578	15	35.7	33.97	21	35.7	G5	C8	9445	C -3512569
4	10.7	9.3W	21 14.576	-0.0009	08	-35 40 3.13	-0.074	08	0.22	14.589	15	35.7	2.07	21	35.7	K2 L	C8	9446	C -3512570
5	9.6	9.3W	21 17.873	0.0002	21	-34 5 32.50	-0.044	21	0.42	17.870	22	32.6	31.74	21	32.6	G0	C7	9914	C -3412787
6	9.0	9.2W	21 19.756	-0.0008	21	-34 39 15.03	-0.034	21	0.42	19.771	22	32.6	14.44	21	32.6	A0	C7	9915	C -3412788
7		7.2T	21 21.014	0.0003	10	-32 19 7.45	0.005	09	0.55	20.997	17	95.4	7.75	15	92.4	K0	GC	25110	C -3214115
8	9.1	9.2W	21 23.930	0.0084	21	-32 23 37.88	-0.038	21	0.42	23.887	22	32.6	37.21	21	32.6	A0	C7	9917	C -3214116
9	8.8	8.4W	21 24.828	-0.0008	13	-36 44 1.93	-0.088	13	0.26	24.840	15	35.7	0.67	21	35.7	G0	C8	9449	C -3612576
10	8.0	8.2W	21 28.530	-0.0028	21	-34 25 56.19	-0.055	21	0.42	28.580	22	32.6	55.24	21	32.6	F0	C7	9918	C -3412791
11		10.0W	21 28.903	-0.0008	21	-30 34 37.17	0.065	21	0.42	28.917	22	32.6	38.30	21	32.6		C7	9919	C -3015654
12	9.3	7.7W	21 30.841	0.0000	18	-38 36 11.60	0.012	18	0.32	30.841	15	35.7	11.77	21	35.7	MA	C8	9450	C -3812772
13	9.3	8.8W	21 31.636	-0.0059	21	-34 13 1.28	-0.129	21	0.42	31.739	22	32.6	-59.04	21	32.6	G5	C7	9920	C -3412792
14	9.0	9.0W	21 36.828	-0.0017	10	-39 48 58.76	-0.048	10	0.23	36.852	15	35.7	58.07	21	35.7	A5	C8	9451	C -3912571
15	8.2	8.7W	21 47.329	0.0012	13	-39 41 17.17	-0.014	13	0.26	47.312	15	35.7	16.97	21	35.7	B8	C8	9453	C -3912573
16		5.7T	21 48.571	-0.0095	07	-30 47 2.25	-0.071	06	0.31	48.995	12	05.4	-58.88	12	02.1	K0	GC	25120	C -3015661
17	10.2	8.9W	21 54.036	-0.0024	21	-33 32 2.69	-0.026	21	0.43	54.080	22	32.1	2.24	21	32.1	K5	C7	9922	C -3313186
18	10.2	9.1W	21 55.225	0.0002	13	-39 32 5.27	-0.035	13	0.26	55.222	15	35.7	4.77	21	35.7	K0	C8	9454	C -3912576
19		6.2T	21 59.730	-0.0027	13	-36 1 14.37	0.014	12	0.66	59.861	18	01.5	15.08	18	99.1	G5	GC	25124	C -3612589
20	8.1	8.5W	22 2.567	-0.0011	21	-30 57 25.45	0.003	21	0.43	2.587	22	32.1	25.50	21	32.1	A0	C7	9923	C -3015665
21	9.0	9.3W	22 4.347	-0.0009	13	-36 45 42.72	-0.024	13	0.26	4.360	15	35.7	42.37	21	35.7	B8	C8	9456	C -3612590
22	7.7	8.0W	22 7.187	-0.0009	18	-37 10 41.23	0.003	18	0.32	7.200	15	35.7	41.27	21	35.7	B9	C8	9457	C -3712528
23	9.0	9.3W	22 11.041	-0.0005	21	-33 8 59.05	0.026	21	0.43	11.049	22	32.1	59.53	21	32.1	A0	C7	9924	C -3313191
24	9.5	9.7W	22 12.126	-0.0019	21	-34 36 3.45	-0.045	21	0.43	12.160	22	32.1	2.65	21	32.1	A0	C7	9925	C -3412798
25	10.0	9.0W	22 12.271	0.0023	21	-33 11 57.83	0.005	21	0.43	12.229	22	32.1	57.93	21	32.1	K0	C7	9926	C -3313192
26	9.0	9.1W	22 12.542	0.0001	21	-33 3 58.57	0.014	21	0.43	12.539	22	32.1	58.83	21	32.1	A0	C7	9927	C -3313193
27	10.1	9.2W	22 17.397	-0.0010	13	-38 47 35.25	0.016	13	0.26	17.411	15	35.7	35.47	21	35.7	G5	C8	9458	C -3812781
28	8.0	7.4W	22 17.457	-0.0010	21	-30 16 56.54	0.007	21	0.43	17.475	22	32.1	56.67	21	32.1	B8	C7	9928	C -3015667
29	10.0	8.6W	22 17.839	0.0017	21	-32 10 23.23	-0.023	21	0.43	17.808	22	32.1	22.81	21	32.1	MB	C7	9929	C -3214126
30	8.4	8.3W	22 24.626	0.0045	21	-30 14 41.16	-0.050	21	0.43	24.546	22	32.1	40.27	21	32.1	F5	C7	9930	C -3015671
31	9.8	9.1W	22 27.139	0.0062	21	-32 7 8.42	-0.190	21	0.43	27.028	22	32.1	5.01	21	32.1	G5	C7	9931	C -3214129
32	10.5	9.0W	22 29.726	-0.0008	13	-35 29 55.76	0.022	13	0.26	29.738	15	35.7	56.07	21	35.7	K5 L	C8	9459	C -3512591
33	9.6	8.5W	22 29.726	-0.0007	21	-31 31 30.35	-0.052	21	0.43	29.738	22	32.1	49.41	21	32.1	K5	C7	9932	C -3115506
34	10.8	9.2W	22 30.060	-0.0014	18	-38 3 37.46	0.008	18	0.32	30.080	15	35.7	37.57	21	35.7	K5 L	C8	9460	C -3812765
35		6.4T	22 36.080	0.0002	15	-33 58 29.17	0.006	13	0.74	36.068	19	00.8	29.49	19	97.7	B8	GC	25138	C*-3412602
36	8.5	8.8W	22 36.337	0.0015	21	-32 52 17.44	-0.001	21	0.43	36.309	22	32.1	17.43	21	32.1	A0	C7	9934	C -3214133
37	9.8	9.1W	22 37.359	-0.0028	21	-34 24 14.93	0.000	21	0.43	37.409	22	32.1	14.94	21	32.1	G5	C7	9935	C -3412801
38		7.1T	22 39.808	0.0006	10	-31 47 2.90	-0.009	08	0.51	39.776	14	97.7	2.44	14	96.5	B8	GC	25143	C -3115510
39	10.4	9.4W	22 45.618	-0.0018	21	-33 16 17.00	-0.038	21	0.43	45.649	22	32.1	16.33	21	32.1	K0	C7	9937	C -3313201
40	10.1	9.3W	22 47.508	-0.0016	21	-30 37 11.25	0.064	21	0.43	47.537	22	32.1	12.40	21	32.1	K0	C7	9938	C -3015679
41	10.3	9.8W	22 48.353	-0.0025	13	-35 54 3.80	-0.002	13	0.26	48.389	15	35.7	3.77	21	35.7	F8	C8	9462	C -3512596
42	9.6	8.8W	22 56.013	0.0013	21	-33 12 56.24	-0.018	21	0.43	55.989	22	32.1	55.93	21	32.1	G5	C7	9939	C -3313203
43	9.3	9.1W	22 59.392	0.0031	13	-35 20 26.22	-0.003	13	0.26	59.348	15	35.7	26.17	21	35.7	A2	C8	9464	C -3512600
44	10.9	9.4W	23 0.115	0.0017	21	-30 20 45.60	-0.013	21	0.43	0.085	22	32.1	45.37	21	32.1		C7	9940	C -3015685
45	10.7	9.5W	23 1.496	-0.0009	13	-36 20 47.47	-0.000	13	0.26	1.509	15	35.7	47.47	21	35.7	K2	C8	9466	C -3612611
46	9.1	9.1W	23 4.781	-0.0041	21	-30 11 16.03	-0.020	21	0.43	4.855	22	32.1	15.67	21	32.1	A3	C7	9941	C -3015687
47	9.3	9.6W	23 8.086	0.0020	21	-34 39 45.70	-0.031	21	0.43	8.030	22	32.1	45.15	21	32.1	B9	C7	9942	C -3412807
48	10.6	10.4W	23 9.753	-0.0019	21	-30 40 27.84	0.003	21	0.43	9.787	22	32.1	27.90	21	32.1	F0	C7	9943	C -3015688
49	10.6	10.2W	23 11.493	-0.0005	18	-37 45 59.33	-0.025	18	0.32	11.500	15	35.7	58.97	21	35.7	F5 L	C8	9467	C*-3712548
50	10.9	9.5W	23 12.377	0.0000	21	-30 47 5.69	0.012	21	0.43	12.377	22	32.1	5.90	21	32.1	K2	C7	9944	C -3015689
51	8.8	8.7W	18 23 15.101	-0.0033	08	-35 57 54.25	-0.040	08	0.22	15.149	15	35.7	53.67	21	35.7	A5	C8	9468	C -3612618
52	9.7	9.6W	23 15.842	-0.0007	21	-30 5 38.54	0.024	21	0.43	15.856	22	32.1	38.97	21	32.1	F2	C7	9945	C -3015692
53	9.2	9.5W	23 16.263	-0.0003	21	-33 36 58.90	0.013	21	0.43	16.269	22	32.1	59.14	21	32.1	A2	C7	9946	C -3313212
54	9.2	8.4W	23 18.422	0.0007	21	-32 48 18.66	0.020	21	0.43	18.409	22	32.1	19.03	21	32.1	K0	C7	9947	C -3214145
55	10.8	9.3W	23 20.893	-0.0008	21	-30 55 12.00	0.039	21	0.43	20.907	22	32.1	12.70	21	32.1	K5	C7	9948	C -3015693
56	9.6	9.1W	23 22.934	-0.0030	21	-31 47 51.93	-0.051	21	0.43	22.987	22	32.1	51.01	21	32.1	G0	C7	9949	C -3115526
57	8.6	8.7W	23 27.474	0.0019	21	-32 56 28.69	-0.004	21	0.43	27.439	22	32.1	28.63	21	32.1	A2	C7	9950	C -3214147
58	8.7	8.3W	23 27.633	0.0025	13	-35 19 11.02	-0.066	13	0.26	27.598	15	35.7	10.07	21	35.7	F8	C8	9469	C -3512605
59		6.7T	23 28.080	0.0022	10	-30 25 23.02	-0.062	10	0.58	27.956	17	92.8	19.41	15	91.9	G0	GC	25157	C*-3015696
60	8.6	9.0W	23 28.822	0.0003	13	-35 24 0.76	-0.055	13	0.26	28.818	15	35.7	-59.97	21	35.7	A0	C8	9470	C -3512606
61	9.2	9.6W	23 29.537	-0.0040	21	-34 1 43.69	-0.026	21	0.43	29.610	22	32.1	43.24	21	32.1	B9	C7	9952	C -3412814
62	9.2	8.0W	23 36.712	0.0017	13	-35 21 47.19	-0.043	13	0.26	36.688	15	35.7	46.57	21	35.7	K2	C8	9471	C -3512610
63	10.2	9.7W	23 40.024	-0.0012	13	-39 17 21.26	-0.041	13	0.26	40.041	15	35.7	20.67	21	35.7	G0	C8	9472	C -3912607
64	9.6	9.2W	23 41.617	-0.0057	08	-35 56 40.15	0.016	08	0.22	41.699	15	35.7	40.37	21	35.7	G0	C8	9473	C -3512612
65	9.8	10.2W	23 45.433	-0.0033	18	-37 19 39.27	-0.028	18	0.32	45.480	15	35.7	38.87	21	35.7	A0	C8	9474	C -3712558
66	8.3	7.2W	23 49.507	0.0000	21	-31 28 12.75	-0.031	21	0.43	49.507	22	32.1	12.20	21	32.1	K0	C7	9953	C -3115538
67	9.1	9.1W	23 50.521	-0.0002	21	-30 6 0.91	-0.125	21	0.43	50.525	22	32.1	-58.67	21	32.1	A2	C7	9954	C -3015704
68	9.7	9.4W	23 50.540	-0.0033	21	-34 4 11.71	0.018	21	0.43	50.600	22	32.1	12.04	21	32.1	B9 L	C7	9955	C -3412816
69	8.6	8.9W	23 56.023	-0.0005	18	-38 28 56.29	-0.043	18	0.32	56.030	15	35.7	55.67	21	35.7	B9	C8	9475	C -3812801
70		6.8T	24 1.111	0.0002	12	-36 2 50.38	-0.025	11	0.64	1.100	18	98.0	49.01	17	95.3	B9	GC	25164	C*-3612632
71	8.1	8.4W	24 2.442	-0.0005	13	-36 55 2.69	-0.022	13	0.26	2.450	15	35.7	2.37	21	35.7	A0	C8	9477	C -3612631
72	9.2	8.3W	24 5.743	0.0035	21	-34 46 16.04	-0.028	21	0.43	5.680	22	32.1	15.55	21	32.1	K0	C7	9956	C -3412821
73	9.4	9.1W	24 8.091	0.0007	21	-31 54 34.93	-0.023	21	0.43	8.078	22	32.1	34.51	21	32.1	F8	C7	9957	C -3115545
74	9.1	9.0W	24 9.546	-0.0033	21	-30 9 17.95	-0.016	21	0.43	9.606	22	32.1	17.67	21	32.1	G0	C7	9958	C -3015710
75	9.4	9.3W	24 13.150	-0.0014	21	-30 5 22.58	0.022	21	0.43	13.175	22	32.1	22.97	21	32.1	A2	C7	9959	C -3015711
76		7.1T	24 13.940	-0.0002	09	-33 26 31.93	0.001	07	0.44	13.949	14	97.4	32.00	14	94.1	K0	GC	25168	C -3313225
77	10.0	9.7W	24 16.313	-0.0026	13	-36 33 19.97	-0.000	13	0.26	16.350	15	35.7	19.97	21	35.7	G0	C8	9478	C -3612640
78	9.6	8.6W	24 18.222	0.0013	21	-34 11 59.40	0.035	21	0.43	18.200	22	32.1	+ 0.04	21	32.1	K0	C7	9961	C -3412823
79	9.8	8.9W	24 19.734	0.0009	21	-32 25 29.51	-0.005	21	0.43	19.717	22	32.1	29.41	21	32.1	G5	C7	9962	C -3214162
80		8.4T	24 21.102	0.0016	11	-31 33 48.59	-0.038	09	0.58	21.016	15	96.8	46.35	15	90.5	A2	GC	25170	C -3115547
81	9.8	8.5W	24 23.895	-0.0059	13	-36 31 3.12	0.025	13	0.26	23.980	15	35.7	3.47	21	35.7	K0	C8	9479	C -3612645
82	9.1	9.5W	24 26.588	0.0016	21	-34 8 39.11	-0.049	21	0.43	26.560	22	32.1	38.24	21	32.1	B8	C7	9964	C -3412824
83	7.6	7.8W	24 28.798	0.0028	21	-32 8 50.97	-0.014	21	0.43	28.747	22	32.1	50.71	21	32.1	A2	C7	9965	C -3214165
84	9.6	9.1W	24 33.359	0.0006	21	-31 50 48.59	-0.244	21	0.43	33.348	22	32.1	44.21	21	32.1	G5	C7	9966	C -3115550
85	10.3	9.9W	24 34.717	0.0034	13	-36 13 52.16	0.015	13	0.26	34.669	15	35.7	52.37	21	35.7	F8 L	C8	9480	C -3612649
86	10.1	8.6W	24 36.385	0.0004	21	-32 23 36.12	-0.045	21	0.43	36.378	22	32.1	35.31	21	32.1	K2	C7	9967	C -3214167
87	10.5	9.0W	24 38.519	0.0001	13	-35 7 4.62	-0.024	13	0.26	38.518	15	35.7	4.27	21	35.7	G5 L	C8	9481	C -3512629
88	7.4	7.9W	24 39.444	0.0010	09	-38 23 19.13	-0.018	09	0.22	39.430	15	35.7	18.87	21	35.7	B9	C8	9482	C -3812806
89	8.7	9.1W	24 40.892	0.0028	13	-39 48 3.15	-0.012	13	0.26	40.852	15	35.7	2.97	21	35.7	A0	C8	9483	C -3912623
90	10.0	9.0W	24 42.636	-0.0016	13	-36 13 28.97	-0.056	13	0.26	42.659	15	35.7	28.17	21	35.7	K0	C8	9485	C -3612652
91		7.7T	24 45.740	-0.0009	17	-36 0 14.41	-0.015	13	0.78	45.783	21	02.0	13.64	19	98.8	B9	GC	25179	C -3612654
92	9.2	9.4W	24 48.863	0.0025	21	-31 35 58.08	-0.009	21	0.43	48.818	22	32.1	57.91	21	32.1	A0	C7	9968	C -3115553
93	8.3	8.6W	24 54.617	-0.0024	21	-33 22 51.30	0.029	21	0.43	54.659	22	32.1	51.83	21	32.1	B9	C7	9969	C -3313239
94	7.3	7.7W	24 54.947	0.0015	21	-32 30 7.85	-0.024	21	0.43	54.919	22	32.1	7.43	21	32.1	A0	C7	9970	C -3214171
95	9.8	8.8W	24 57.296	-0.0002	13	-36 12 48.66	-0.048	13	0.26	57.299	15	35.7	47.97	21	35.7	K0	C8	9487	C -3612660
96	9.1	9.0W	24 58.241	0.0002	13	-35 22 18.60	-0.023	13	0.26	58.238	15	35.7	18.27	21	35.7	A2	C8	9488	C -3512635
97		5.6T	24 59.558	-0.0002	08	-39 1 38.72	-0.037	07	0.33	59.567	14	11.4	37.14	14	07.3	A2	GC	25185	C -3912626
98	10.5	9.5W	25 2.379	-0.0048	13	-35 20 42.98	0.027	13	0.26	2.448	15	35.7	43.37	21	35.7	G8 L	C8	9490	C -3512637
99	9.7	9.4W	25 6.273	-0.0018	13	-35 57 53.53	-0.053	13	0.26	6.299	15	35.7	52.77	21	35.7	F8	C8	9491	C -3612668
00		7.6T	25 7.036	0.0003	15	-38 53 45.98	0.026	13	0.71	7.024	21	02.8	47.27	19	00.4	B9	GC	25188	C*-3812814

210200

-30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1	10.4	8.8W	18 25 10.889	0.0028	13	-36 11 56.60	-0.023	13	0.26	10.849	15	35.7	56.27	21	35.7	K5		C8	9493	C -3612670
2	8.4	7.6W	25 11.887	-0.0017	21	-31 9 52.55	-0.092	21	0.43	11.917	22	32.1	50.90	21	32.1	K0		C7	9971	C -3115564
3	9.1	7.6W	25 20.653	0.0030	09	-38 3 39.65	0.016	09	0.22	20.610	15	35.7	39.87	21	35.7	K5		C8	9495	C -3812818
4	9.9	9.0W	25 23.123	0.0003	21	-31 55 2.89	-0.004	21	0.43	23.118	22	32.1	2.81	21	32.1	G5		C7	9972	C -3115567
5	9.3	8.3W	25 23.294	-0.0032	18	-37 1 44.75	-0.012	18	0.32	23.340	15	35.7	44.57	21	35.7	G5		C8	9496	C -3712589
6	9.5	8.5W	25 25.404	-0.0003	21	-33 39 39.72	-0.005	21	0.43	25.410	22	32.1	39.64	21	32.1	K0		C7	9973	C -3313248
7	10.0	9.3W	25 26.234	-0.0046	13	-36 36 21.36	-0.006	13	0.26	26.300	15	35.7	21.27	21	35.7	G5		C8	9498	C -3612678
8	10.3	9.1W	25 27.972	0.0001	21	-34 33 41.70	-0.009	21	0.43	27.970	22	32.1	41.54	21	32.1	K5		C7	9974	C -3412842
9	9.8	8.4W	25 32.485	0.0031	21	-33 31 16.28	0.014	21	0.43	32.430	22	32.1	16.54	21	32.1	K2		C7	9975	C -3313249
10	9.3	9.0W	25 37.665	0.0014	21	-32 52 49.74	-0.046	21	0.43	37.639	22	32.1	48.93	21	32.1	F8		C7	9976	C -3214192
11	9.8	9.5W	25 41.723	0.0008	21	-33 34 33.66	0.021	21	0.43	41.709	22	32.1	34.04	21	32.1	F8		C7	9977	C -3313252
12	8.8	8.7W	25 47.596	0.0012	13	-35 36 52.66	0.036	13	0.26	47.579	15	35.7	53.17	21	35.7	F5		C8	9501	C -3512653
13		6.6T	25 49.534	-0.0004	14	-38 53 4.19	-0.006	11	0.66	49.555	19	02.7	3.88	18	97.5	B8		GC	25209	C*-3812824
14	10.4	9.1W	25 51.914	0.0009	21	-31 34 37.68	0.008	21	0.43	51.898	22	32.1	37.81	21	32.1	K5		C7	9978	C -3115574
15	10.7	9.5W	25 52.156	0.0015	21	-34 17 59.41	0.001	21	0.43	52.130	22	32.1	59.44	21	32.1	MA	L	C7	9979	C -3412850
16	9.5	9.3W	26 2.832	0.0037	13	-36 18 32.28	-0.035	13	0.26	2.779	15	35.7	31.77	21	35.7	G0		C8	9503	C -3612685
17	10.0	9.6W	26 3.035	-0.0075	21	-34 17 44.56	-0.108	21	0.43	3.170	22	32.1	42.64	21	32.1	G0		C7	9980	C -3412857
18	8.6	9.0W	26 3.899	-0.0006	21	-34 34 11.90	-0.003	21	0.43	3.910	22	32.1	11.85	21	32.1	B9		C7	9981	C -3412858
19	9.9	9.6W	26 4.056	-0.0016	13	-36 19 28.30	0.019	13	0.26	4.079	15	35.7	28.57	21	35.7	F5		C8	9504	C -3612686
20	8.3	8.1W	26 4.583	-0.0003	21	-31 35 31.50	-0.049	21	0.43	4.588	22	32.1	30.61	21	32.1	F5		C7	9982	C -3115578
21	9.0	9.2W	26 7.933	-0.0053	09	-35 48 3.23	-0.018	09	0.22	8.009	15	35.7	2.97	21	35.7	A0		C8	9506	C -3512655
22	9.6	9.6W	26 16.198	-0.0029	13	-38 7 53.79	-0.008	13	0.26	16.240	15	35.7	53.67	21	35.7	A2		C8	9507	C -3812836
23	9.6	8.7W	26 18.372	0.0001	21	-32 39 46.15	-0.013	21	0.43	18.369	22	32.1	45.93	21	32.1	G5		C7	9983	C -3214200
24	8.2	8.4W	26 19.044	-0.0009	21	-32 48 57.53	-0.034	21	0.43	19.059	22	32.1	56.93	21	32.1	A0		C7	9984	C -3214201
25	11.0	9.4W	26 19.119	-0.0035	13	-36 50 6.07	-0.014	13	0.26	19.170	15	35.7	5.87	21	35.7	K2	L	C8	9508	C -3612689
26		7.1T	26 19.591	0.0022	15	-33 58 4.15	-0.021	13	0.71	19.482	18	01.7	3.14	18	01.6	B9		GC	25219	C -3412861
27	10.8	9.4W	26 24.768	-0.0005	21	-30 50 29.16	0.008	21	0.43	24.777	22	32.1	29.30	21	32.1			C7	9986	C -3015753
28	8.4	8.7W	26 24.914	0.0025	21	-33 32 31.05	0.027	21	0.43	24.870	22	32.1	31.64	21	32.1	A0		C7	9987	C -3313262
29	9.5	8.1W	26 25.895	-0.0008	21	-34 18 8.95	0.038	21	0.43	25.910	22	32.1	9.64	21	32.1	MA		C7	9988	C -3412863
30	10.2	9.2W	26 28.660	-0.0033	08	-35 28 56.34	-0.081	08	0.22	28.708	15	35.7	55.17	21	35.7	G8	L	C8	9509	C -3512660
31	9.6	8.3W	26 30.319	-0.0009	13	-39 33 56.75	-0.005	13	0.26	30.332	15	35.7	56.67	21	35.7	K2		C8	9510	C -3912657
32	9.8	9.1W	26 38.144	-0.0003	21	-33 30 49.56	-0.119	21	0.43	38.149	22	32.1	47.44	21	32.1	G5		C7	9989	C -3313267
33		8.1T	26 42.472	0.0013	12	-33 34 56.75	-0.026	10	0.61	42.403	17	99.0	55.32	17	94.8	G5		GC	25228	C -3313268
34		7.6T	26 44.308	-0.0003	09	-33 31 47.05	-0.015	07	0.48	44.321	15	96.8	46.21	15	94.1	B9		GC	25229	C -3313269
35		7.2T	26 44.709	0.0023	08	-33 4 57.18	-0.019	07	0.45	44.581	14	95.0	56.04	15	90.0	A3		GC	25230	C -3313270
36	9.7	8.7W	26 47.633	-0.0014	21	-31 46 49.53	-0.068	21	0.43	47.658	22	32.1	48.31	21	32.1	K0		C7	9993	C -3115594
37	10.0	9.2W	26 47.719	-0.0000	21	-33 41 46.42	-0.022	21	0.43	47.720	22	32.1	46.04	21	32.1	G5		C7	9994	C -3313271
38	9.3	8.5W	26 53.334	-0.0004	13	-36 51 28.66	-0.027	13	0.26	53.340	15	35.7	28.27	21	35.7	G5		C8	9512	C -3612703
39	9.4	9.4W	26 55.182	-0.0012	13	-37 0 34.79	-0.050	13	0.26	55.200	15	35.7	34.07	21	35.7	A3		C8	9513	C -3712617
40	8.0	8.4W	26 57.716	0.0031	21	-33 9 2.65	0.015	21	0.43	57.659	22	32.1	2.93	21	32.1	A0		C7	9995	C -3313272
41	9.7	8.4W	27 5.921	-0.0009	21	-30 59 46.82	-0.018	21	0.43	5.937	22	32.1	46.50	21	32.1	K2		C7	9996	C -3115599
42	9.0	9.1W	27 8.147	-0.0002	18	-37 35 4.50	0.005	18	0.32	8.150	15	35.7	4.57	21	35.7	A3		C8	9515	C -3712620
43	8.8	9.1W	27 14.843	0.0016	13	-36 49 41.82	0.011	13	0.26	14.820	15	35.7	41.97	21	35.7	B8		C8	9518	C -3612715
44	9.6	9.5W	27 19.915	-0.0007	21	-31 43 57.57	-0.025	21	0.43	19.927	22	32.1	57.11	21	32.1	A5		C7	9997	C -3115602
45	9.0	8.1W	27 21.518	-0.0005	21	-30 51 42.73	-0.030	21	0.43	21.527	22	32.1	42.20	21	32.1	K0		C7	9998	C -3015767
46	10.2	9.7W	27 22.051	-0.0020	21	-31 26 57.60	0.028	21	0.43	22.087	22	32.1	58.10	21	32.1	G2	L	C7	9999	C -3115604
47	9.4	9.4W	27 23.300	-0.0020	13	-35 59 44.12	-0.059	13	0.26	23.329	15	35.7	43.27	21	35.7	F0	L	C8	9520	C -3612719
48	9.9	9.7W	27 24.931	-0.0016	21	-34 40 47.56	-0.023	21	0.43	24.960	22	32.1	47.15	21	32.1	A3		C7	10000	C -3412875
49	9.7	8.9W	27 25.725	0.0023	13	-39 36 24.86	-0.034	13	0.26	25.692	15	35.7	24.37	21	35.7	K0		C8	9521	C -3912671
50	9.9	10.1W	27 33.687	-0.0039	21	-30 38 28.35	0.003	21	0.43	33.757	22	32.1	28.40	21	32.1	A2		C7	10001	C -3015773
51	8.5	7.7W	18 27 33.810	-0.0026	06	-35 21 27.42	0.032	06	0.20	33.848	15	35.7	27.87	21	35.7	G5		C8	9525	C -3512673
52	10.8	10.0W	27 35.453	-0.0002	21	-30 50 15.73	-0.013	21	0.43	35.457	22	32.1	15.50	21	32.1	K0	L	C7	10002	C -3015774
53	9.7	9.3W	27 35.964	0.0009	21	-31 30 46.72	-0.140	21	0.43	35.947	22	32.1	44.21	21	32.1	G5		C7	10003	C -3115611
54	8.7	8.8W	27 37.907	-0.0015	13	-35 54 15.63	-0.018	13	0.26	37.929	15	35.7	15.37	21	35.7	A2		C8	9526	C -3512674
55	8.9	8.8W	27 41.621	-0.0020	13	-36 45 19.03	-0.018	13	0.26	41.650	15	35.7	18.77	21	35.7	A5		C8	9528	C -3612727
56		7.0T	27 47.975	0.0043	15	-36 50 42.31	0.004	13	0.74	47.767	21	01.2	42.52	19	98.6	F0		GC	25262	C -3612730
57		5.4T	27 48.018	0.0000	04	-33 1 27.16	-0.045	03	0.16	48.017	06	09.1	25.21	06	06.5	A3		GC	25263K	C -3313281
58	9.4	8.9W	27 53.601	-0.0049	18	-38 36 27.27	0.070	18	0.32	53.671	15	35.7	28.27	21	35.7	G0		C8	9530	C -3812861
59	7.9	7.9W	27 54.816	0.0027	21	-32 19 30.48	-0.054	21	0.43	54.767	22	32.1	29.51	21	32.1	F0		C7	10005	C -3214220
60	10.0	9.0W	27 55.706	-0.0066	13	-38 49 19.32	-0.059	13	0.26	55.801	15	35.7	18.47	21	35.7	G5		C8	9532	C -3812862
61	9.1	8.9W	27 55.709	-0.0002	13	-39 49 27.07	-0.056	13	0.26	55.712	15	35.7	26.27	21	35.7	F5		C8	9531	C -3912681
62	8.6	7.7W	27 59.314	-0.0018	09	-37 37 42.85	-0.026	09	0.22	59.340	15	35.7	42.47	21	35.7	G5		C8	9533	C -3712636
63	7.9	8.2W	28 3.356	-0.0036	21	-34 47 8.65	-0.034	21	0.43	3.420	22	32.1	8.05	21	32.1	A2		C7	10006	C -3412884
64	10.2	9.2W	28 4.319	-0.0033	21	-31 42 32.39	-0.026	21	0.43	4.377	22	32.1	31.91	21	32.1	K2		C7	10007	C -3115623
65	9.4	9.1W	28 4.589	0.0044	21	-33 17 1.41	-0.005	21	0.43	4.509	22	32.1	1.33	21	32.1	F8		C7	10008	C -3313285
66	10.9	9.9W	28 5.770	-0.0015	21	-30 42 45.25	0.025	21	0.43	5.797	22	32.1	45.70	21	32.1			C7	10009	C -3015785
67	9.2	9.1W	28 11.448	-0.0003	10	-39 39 34.19	-0.029	10	0.23	11.452	15	35.7	33.77	21	35.7	A2		C8	9534	C -3912685
68	10.3	9.4W	28 20.409	0.0007	21	-30 31 53.63	-0.013	21	0.43	20.397	22	32.1	53.40	21	32.1	G5		C7	10010	C -3015788
69	10.1	8.5W	28 27.150	0.0023	13	-35 8 12.27	-0.007	13	0.26	27.118	15	35.7	12.17	21	35.7	K2		C8	9535	C -3512686
70	10.6	9.2W	28 28.094	-0.0004	09	-38 23 54.40	0.005	09	0.22	28.100	15	35.7	54.47	21	35.7	K2		C8	9536	C -3812868
71	10.1	9.1W	28 28.765	0.0021	21	-30 56 41.29	0.034	21	0.43	28.727	22	32.1	41.90	21	32.1	K0		C7	10011	C -3015791
72	8.0	8.5W	28 36.257	-0.0010	21	-30 6 21.19	-0.018	21	0.43	36.275	22	32.1	20.87	21	32.1	B5		C7	10012	C -3015795
73	10.6	9.4W	28 40.820	-0.0003	21	-30 18 55.11	-0.002	21	0.43	40.825	22	32.1	55.07	21	32.1			C7	10013	C -3015797
74	10.0	9.5W	28 42.297	-0.0016	13	-36 31 12.94	-0.026	13	0.26	42.320	15	35.7	12.57	21	35.7	G0		C8	9537	C -3612751
75	7.9	7.8W	28 48.177	-0.0030	06	-38 8 9.30	0.019	06	0.20	48.220	15	35.7	9.57	21	35.7	F2		C8	9538	C -3812874
76	7.5	7.9W	28 49.267	-0.0009	18	-37 14 56.65	0.002	18	0.32	49.280	15	35.7	56.67	21	35.7	B9		C8	9539	C -3712651
77		5.2T	28 52.394	0.0031	10	-39 44 25.91	-0.039	09	0.41	52.268	12	08.7	24.29	14	08.5	A2		GC	25285	C -3912696
78	9.8	9.5W	28 55.453	-0.0015	21	-33 20 32.86	0.009	21	0.43	55.479	22	32.1	33.03	21	32.1	F5		C7	10014	C -3313303
79	9.3	9.4W	28 55.845	-0.0007	21	-32 10 51.15	-0.063	21	0.43	55.858	22	32.1	50.01	21	32.1	A0		C7	10015	C -3214233
80	8.8	8.6W	29 2.896	-0.0006	21	-31 10 7.55	-0.014	21	0.43	2.907	22	32.1	7.30	21	32.1	F8		C7	10016	C -3115643
81	8.1	8.5W	29 2.951	0.0017	21	-32 37 37.12	0.028	21	0.43	2.919	22	32.1	37.63	21	32.1	B9		C7	10017	C -3214235
82	10.1	9.5W	29 3.154	-0.0025	13	-37 7 30.52	-0.017	13	0.26	3.190	15	35.7	30.27	21	35.7	G5		C8	9541	C -3712655
83		7.4T	29 6.816	0.0001	09	-32 58 33.83	-0.013	08	0.49	6.809	15	95.1	33.10	15	93.3	A3		GC	25295	C -3313306
84		7.0T	29 12.590	0.0018	13	-35 23 12.29	-0.007	13	0.69	12.501	18	01.3	11.95	18	00.6	K0		GC	25297	C*-3512700
85	9.7	9.8W	29 17.610	0.0050	21	-33 16 55.56	0.020	21	0.43	17.519	22	32.1	55.93	21	32.1	A2		C7	10019	C -3313309
86		6.3T	29 31.163	0.0035	13	-39 55 43.79	-0.090	12	0.69	30.985	18	98.4	39.05	19	97.3	F0		GC	25304	C -3912704
87	9.8	9.6W	29 31.242	0.0004	21	-30 23 38.55	-0.066	21	0.43	31.236	22	32.1	37.37	21	32.1	F5		C7	10020	C -3015820
88	10.1	8.8W	29 37.072	-0.0032	21	-33 54 22.41	0.046	21	0.43	37.130	22	32.1	23.24	21	32.1	K2		C7	10021	C -3313316
89	9.8	8.9W	29 40.935	-0.0029	21	-31 1 54.27	-0.021	21	0.43	40.987	22	32.1	53.90	21	32.1	K0		C7	10022	C -3115657
90	9.9	9.6W	29 41.814	-0.0035	21	-31 29 37.93	-0.002	21	0.43	41.877	22	32.1	37.90	21	32.1	A0	L	C7	10023	C -3115656
91	9.6	8.2W	29 54.220	0.0017	21	-33 27 58.63	0.005	21	0.43	54.189	22	32.1	58.73	21	32.1	K2		C7	10024	C -3313322
92	8.3	8.6W	29 55.302	-0.0015	21	-33 1 9.95	0.004	21	0.43	55.329	22	32.1	10.03	21	32.1	A0		C7	10025	C -3313323
93		6.6F	29 56.158	-0.0002	06	-38 45 28.30	-0.016	06	0.20	56.161	15	35.7	28.07	21	35.7	A		C8	9549	C -3812896
94		6.0F	29 56.189	-0.0015	06	-38 45 51.49	-0.029	06	0.20	56.211	15	35.7	51.07	21	35.7	B8		C8	9550	C -3812895
95		6.0T	29 56.221	-0.0003	07	-38 45 51.01	-0.029	06	0.32	56.235	12	07.6	49.65	14	03.0	B8		GC	25314K	C*-3812896
96		6.5T	29 56.295	0.0018	11	-38 45 29.44	-0.027	07	0.51	56.204	17	98.5	27.91	17	93.6	B9		GC	25315K	C*-3812895
97	9.5	9.7W	30 3.432	-0.0014	21	-30 18 0.75	0.040	21	0.43	3.458	22	32.1	1.47	21	32.1	A0		C7	10026	C -3015829
98	8.2	8.5W	30 6.948	-0.0033	21	-30 6 8.00	0.054	21	0.43	9.008	22	32.1	8.97	21	32.1	B9		C7	10027	C -3015832
99	9.9	9.7W	30 10.045	-0.0009	21	-34 21 50.60	-0.099	21	0.43	10.062	22	32.1	48.84	21	32.1	F5	L	C7	10028	C -3412914
00	10.2	9.2W	30 12.488	-0.0025	13	-35 48 51.88	-0.009	13	0.26	12.524	15	35.7	51.76	21	35.7	K0		C8	9553	C -3512715

210300

EPOCH 1950 — ORIGINAL EPOCH — -30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.2	8.5W	18 30 12.829	0.0016	18	-30 41 25.53	-0.047	18	0.32	12.806	15	35.7	24.86	21	35.7	AG	C8	9554	C -3812901
2	8.5	8.8W	30 13.196	-0.0006	13	-36 48 16.80	-0.038	13	0.26	13.205	15	35.7	16.26	21	35.7	B9	C8	9555	C -3612784
3	8.4	8.4W	30 15.940	-0.0006	21	-33 39 37.72	0.006	21	0.43	15.952	22	32.1	37.84	21	32.1	FD	C7	10029	C -3313329
4	7.6	8.0W	30 16.436	0.0008	13	-36 50 38.99	-0.002	13	0.26	16.425	15	35.7	38.96	21	35.7	B9	C8	9556	C -3612786
5	8.7	9.0W	30 16.416	0.0008	13	-37 7 18.40	-0.017	13	0.26	16.405	15	35.7	18.16	21	35.7	B9	C8	9557	C -3712673
6		9.3R	30 18.674	0.0024	17	-30 0 55.19	-0.022	17	0.31	18.635	16	33.6	54.83	16	33.6	G0 M	13B	12042	J -3015836
7	9.5	9.2W	30 29.277	-0.0040	21	-30 40 55.40	-0.045	21	0.43	29.349	22	32.1	54.60	21	32.1	G0	C7	10030	C -3015841
8	9.0	8.7W	30 32.832	0.0001	21	-32 20 30.25	-0.024	21	0.43	32.831	22	32.1	29.83	21	32.1	F5	C7	10031	C -3214255
9	10.0	8.3W	30 33.450	-0.0024	13	-36 25 8.74	-0.013	13	0.26	33.484	15	35.7	8.56	21	35.7	G5	C8	9558	C -3612791
10	9.5	8.5W	30 36.569	0.0017	13	-37 44 49.06	-0.007	13	0.26	36.545	15	35.7	48.96	21	35.7	G5	C8	9559	C -3712676
11	9.4	9.1W	30 36.647	0.0021	21	-31 29 58.94	-0.047	21	0.43	36.609	22	32.1	58.10	21	32.1	F8	C7	10032	C -3115677
12		5.4T	30 40.957	0.0008	04	-33 3 19.86	-0.012	04	0.20	40.921	09	05.8	19.29	09	03.7	B3	GC	25327	C+-3313338
13	9.3	9.2W	30 41.572	-0.0044	18	-36 57 27.02	-0.032	18	0.32	41.635	15	35.7	26.56	21	35.7	A2	C8	9560	C -3712677
14		6.9T	30 48.467	0.0015	09	-33 0 1.07	-0.005	07	0.50	48.383	17	94.4	0.77	17	91.7	B9	GC	25335	C+-3313341
15	9.7	9.4W	30 54.153	0.0007	21	-32 17 4.19	0.035	21	0.43	54.140	22	32.1	4.81	21	32.1	G0	C7	10035	C -3214261
16	9.0	8.9W	30 55.211	-0.0023	13	-35 49 53.20	0.004	13	0.26	55.244	15	35.7	53.26	21	35.7	F2	C8	9561	C -3512726
17	9.3	9.4W	31 0.528	0.0009	18	-38 29 15.86	-0.014	18	0.32	0.515	15	35.7	15.66	21	35.7	A0	C8	9562	C -3812909
18		7.1T	31 2.976	0.0003	09	-30 55 21.00	-0.020	09	0.46	2.962	12	00.7	20.01	12	00.0	B9	GC	25344	C -3015855
19	9.8	8.7W	31 3.269	-0.0012	13	-39 6 3.10	0.032	13	0.26	3.286	15	35.7	3.56	21	35.7	K2	C8	9563	C -3912720
20	10.4	10.0W	31 5.444	-0.0037	21	-31 52 43.58	-0.020	21	0.43	5.510	22	32.1	43.21	21	32.1	G5 L	C7	10037	C -3115688
21		6.9T	31 7.373	-0.0003	14	-34 51 20.55	0.026	12	0.70	7.388	19	00.8	21.88	18	97.8	F0	GC	25349K	C+-3412924
22	8.6	8.9W	31 10.330	0.0012	21	-31 11 46.29	-0.022	21	0.43	10.303	22	32.1	45.90	21	32.1	A0	C7	10039	C -3115691
23	10.0	8.8W	31 11.060	-0.0016	21	-30 54 26.54	0.003	21	0.43	11.089	22	32.1	26.60	21	32.1	K0	C7	10040	C -3015859
24	9.6	9.7W	31 11.326	-0.0020	21	-34 11 8.92	-0.044	21	0.43	11.362	22	32.1	8.14	21	32.1	A2	C7	10041	C -3412926
25	9.5E	9.5*	31 13.784	-0.0008	12	-39 59 44.39	-0.017	12	0.68	13.826	28	97.7	43.52	26	97.7	A0	CZ	17506	P -40 8605
26	8.7	8.6W	31 13.838	0.0005	21	-30 33 10.21	0.033	21	0.43	13.829	22	32.1	10.80	21	32.1	F0	C7	10042	C -3015860
27	9.8	8.9W	31 18.133	-0.0009	21	-30 47 14.73	0.015	21	0.43	18.149	22	32.1	15.00	21	32.1	G5	C7	10043	C -3015862
28	8.6	7.8W	31 18.844	0.0003	21	-31 18 7.28	-0.038	21	0.43	18.839	22	32.1	6.60	21	32.1	K0	C7	10044	C -3115696
29	8.9	9.2W	31 24.333	0.0001	21	-34 23 57.05	-0.057	21	0.43	24.332	22	32.1	56.04	21	32.1	B9	C7	10045	C -3412930
30	9.3	8.8W	31 31.802	-0.0024	13	-38 41 44.76	-0.077	13	0.26	31.836	15	35.7	43.66	21	35.7	G5	C8	9566	C -3812915
31	9.6	9.4W	31 33.525	0.0014	13	-36 54 51.08	-0.023	13	0.26	33.505	15	35.7	50.76	21	35.7	F2	C8	9568	C -3612806
32	9.5	9.2W	31 36.025	-0.0007	13	-38 5 8.60	-0.073	13	0.26	36.035	15	35.7	7.56	21	35.7	F5	C8	9569	C -3812916
33	8.8	8.5W	31 36.128	-0.0025	13	-36 5 37.07	-0.029	13	0.26	36.164	15	35.7	36.66	21	35.7	F8	C8	9570	C -3612807
34	10.4	9.6W	31 36.433	-0.0004	21	-32 46 6.44	-0.029	21	0.43	36.441	22	32.1	5.93	21	32.1	K2 L	C7	10046	C -3214273
35	10.0	9.2W	31 40.789	-0.0024	21	-34 58 45.73	0.023	21	0.43	40.833	22	32.1	46.14	21	32.1	G5	C7	10047	C -3512739
36	9.7	8.6W	31 41.020	0.0018	13	-35 4 49.45	0.035	13	0.26	40.994	15	35.7	49.96	21	35.7	G5	C8	9571	C -3512740
37	8.9	8.6W	31 41.860	0.0012	21	-30 46 12.92	0.060	21	0.43	41.839	22	32.1	14.00	21	32.1	G0	C7	10048	C -3015867
38	8.5	6.8W	31 44.788	-0.0020	13	-39 18 52.86	-0.035	13	0.26	44.816	15	35.7	52.36	21	35.7	A0	C8	9572	C -3912727
39		7.0T	31 47.569	0.0010	13	-39 44 4.08	-0.016	12	0.67	47.522	17	00.1	3.25	18	96.3	F0	GC	25363	C+-3912728
40	10.4	9.2W	31 56.405	-0.0006	13	-34 59 45.12	0.002	13	0.26	56.414	15	35.7	45.15	21	35.7	K0 L	C8	9574	C -3512743
41	8.0	8.2W	31 57.669	-0.0039	18	-37 56 55.34	-0.048	18	0.32	57.725	15	35.7	54.66	21	35.7	A2	C8	9575	C -3612923
42	9.8	8.9W	31 58.059	0.0015	21	-32 31 23.01	0.051	21	0.43	58.031	22	32.1	23.93	21	32.1	K2	C7	10049	C -3214279
43	10.8	9.8W	31 59.512	-0.0003	21	-30 20 4.78	-0.012	21	0.43	59.518	22	32.1	4.57	21	32.1		C7	10050	C -3015876
44		6.9T	32 10.074	0.0022	10	-32 55 53.85	0.016	07	0.50	9.957	17	96.9	54.77	15	92.2	A0	GC	25370	C -3214281
45	10.3	9.5W	32 14.880	-0.0003	13	-35 49 53.29	-0.051	13	0.26	14.884	15	35.7	52.56	21	35.7	G5	C8	9577	C -3512748
46	9.9	9.1W	32 24.231	0.0027	21	-34 56 51.43	-0.033	21	0.43	24.183	22	32.1	50.84	21	32.1	G5	C7	10052	C -3412944
47	10.6	9.7W	32 26.257	-0.0003	21	-34 55 12.41	0.013	21	0.43	26.263	22	32.1	12.65	21	32.1		C7	10053	C -3412947
48	9.6	9.0W	32 28.890	0.0005	21	-33 33 37.97	-0.019	21	0.43	28.882	22	32.1	37.64	21	32.1	G5	C7	10054	C -3412949
49	8.5	8.6W	32 28.975	-0.0014	06	-36 51 8.17	-0.029	06	0.20	28.995	15	35.7	7.76	21	35.7	A0	C8	9578	C -3612825
50	9.1	7.9W	32 31.611	-0.0001	21	-34 56 42.91	0.030	21	0.43	31.613	22	32.1	43.45	21	32.1	K0	C7	10055	C -3412951
51	9.7	8.3W	18 32 36.106	-0.0009	21	-33 12 59.15	-0.024	21	0.43	36.121	22	32.1	58.73	21	32.1	K2	C7	10057	C -3313377
52	10.0	9.1W	32 40.040	-0.0004	21	-30 4 49.11	-0.008	21	0.43	40.048	22	32.1	48.97	21	32.1	K0	C7	10058	C -3015891
53	9.9	8.9W	32 41.117	0.0008	13	-36 30 10.71	-0.018	13	0.26	41.106	15	35.7	10.46	21	35.7	K0	C8	9579	C -3812928
54	8.8	9.3W	32 48.226	0.0005	21	-30 52 7.67	-0.015	21	0.43	48.219	22	32.1	7.40	21	32.1	A0	C7	10059	C -3015897
55	8.7	9.1W	32 51.791	-0.0067	21	-34 9 24.65	-0.001	21	0.43	51.912	22	32.1	24.64	21	32.1	B9	C7	10060	C -3412957
56	9.0	7.3W	32 52.146	-0.0006	15	-38 11 2.54	-0.027	15	0.28	52.155	15	35.7	2.16	21	35.7	MA	C8	9581	C -3812931
57	10.1	9.2W	32 56.628	0.0020	21	-33 13 33.85	-0.035	21	0.43	56.591	22	32.1	33.23	21	32.1	K0	C7	10061	C -3313379
58	8.5	9.0W	32 59.749	-0.0006	21	-32 38 27.18	-0.014	21	0.44	59.761	22	31.6	26.93	21	31.6	B9	C7	10062	C -3214293
59	10.4	9.4W	33 0.695	0.0013	21	-34 1 54.70	0.023	21	0.44	0.672	22	31.6	55.13	21	31.6	K2 L	C7	10063	C -3412959
60	9.8	9.7W	33 4.676	-0.0002	21	-32 20 31.86	-0.035	21	0.44	4.679	22	31.6	31.21	21	31.6	A3	C7	10065	C -3214297
61	8.6	6.7W	33 5.047	-0.0025	13	-35 29 19.63	-0.040	13	0.26	5.084	15	35.7	19.06	21	35.7	MB	C8	9583	C -3512756
62	10.4	8.5W	33 5.284	0.0024	21	-32 22 8.18	0.035	21	0.44	5.239	22	31.6	8.81	21	31.6	MC	C7	10066	C -3214296
63	9.3	9.3W	33 7.764	-0.0026	21	-34 44 49.65	0.016	21	0.44	7.813	22	31.6	49.34	21	31.6	F2	C7	10067	C -3412962
64	9.4	8.7W	33 10.125	0.0013	21	-33 44 55.54	0.021	21	0.44	10.102	22	31.6	55.93	21	31.6	G5	C7	10068	C -3313381
65	8.6	8.5W	33 15.749	-0.0025	18	-37 41 49.02	-0.025	18	0.32	15.785	15	35.7	48.66	21	35.7	F0	C8	9584	C -3712714
66	10.2	9.5W	33 30.655	0.0003	21	-31 45 5.97	0.046	21	0.44	30.649	22	31.6	6.81	21	31.6	K L	C7	10069	C -3115740
67	8.2	8.3W	33 32.825	-0.0000	15	-37 27 24.20	0.018	15	0.28	32.825	15	35.7	24.46	21	35.7	A2	C8	9586	C -3712721
68	10.4	8.9W	33 45.441	0.0032	21	-34 34 5.58	-0.013	21	0.44	45.383	22	31.6	5.35	21	31.6	MA	C7	10070	C -3412971
69	8.8	8.5W	33 49.387	-0.0012	13	-36 6 0.87	-0.029	13	0.26	49.404	15	35.7	0.46	21	35.7	F2	C8	9588	C -3612848
70	9.0	9.3W	33 52.878	-0.0067	21	-34 13 20.60	0.018	21	0.44	53.002	22	31.6	20.93	21	31.6	A0	C7	10071	C -3412975
71	9.8	8.8W	34 0.374	0.0040	21	-32 39 1.66	-0.035	21	0.44	0.301	22	31.6	1.03	21	31.6	K0	C7	10072	C -3214319
72	8.4	7.9W	34 8.378	-0.0013	21	-34 53 17.54	0.022	21	0.44	8.403	22	31.6	17.95	21	31.6	G5	C7	10073	C -3412977
73	10.0	9.7W	34 10.867	-0.0022	21	-30 8 48.39	0.037	21	0.44	10.908	22	31.6	49.07	21	31.6	F8	C7	10074	C -3015931
74	9.0	8.2W	34 12.593	-0.0014	21	-30 48 46.73	-0.007	21	0.44	12.619	22	31.6	46.60	21	31.6	K0	C7	10075	C -3015934
75	9.3	9.0W	34 18.238	-0.0012	21	-31 30 39.11	-0.016	21	0.44	18.259	22	31.6	38.81	21	31.6	G0	C7	10076	C -3115757
76	10.0	9.3W	34 18.586	0.0041	21	-33 44 6.47	0.014	21	0.44	18.512	22	31.6	6.73	21	31.6	G5	C7	10077	C -3313399
77	9.4	9.7W	34 19.167	-0.0013	13	-37 42 20.04	0.015	13	0.26	19.185	15	35.7	20.26	21	35.7	AD	C8	9590	C -3712734
78	7.3	7.9W	34 24.132	-0.0049	21	-34 35 19.50	-0.025	21	0.44	24.223	22	31.6	19.04	21	31.6	B8	C7	10078	C -3412980
79	9.1	9.5W	34 28.774	0.0014	13	-35 43 38.77	0.013	13	0.26	28.754	15	35.7	38.96	21	35.7	AD	C8	9591	C -3512783
80	9.3	9.5W	34 34.736	0.0001	13	-36 55 15.22	-0.032	13	0.26	34.735	15	35.7	14.76	21	35.7	A2	C8	9592	C -3612858
81	9.2	9.6W	34 39.730	-0.0052	18	-37 50 53.57	0.027	18	0.32	39.805	15	35.7	53.96	21	35.7	A2	C8	9593	C -3712743
82	10.2	9.1W	34 51.779	0.0031	21	-34 51 21.95	-0.055	21	0.44	51.725	22	31.6	20.94	21	31.6	K2 L	C7	10079	C -3412988
83	10.2	9.6W	34 54.046	0.0058	21	-30 30 48.39	0.044	21	0.44	53.939	22	31.6	49.20	21	31.6	G2 L	C7	10080	C -3015949
84		7.2T	35 3.685	0.0017	10	-32 43 42.56	-0.129	10	0.57	3.593	17	95.8	35.46	17	95.1	F5	GC	25457K	C+-3214337
85	10.6	9.8W	35 4.233	-0.0022	13	-35 17 46.61	-0.011	13	0.26	4.264	15	35.7	46.46	21	35.7	K0 L	C8	9595	C -3512793
86	8.7	9.1W	35 6.976	-0.0029	21	-31 21 31.95	0.008	21	0.44	7.029	22	31.6	32.10	21	31.6	B8	C7	10082	C -3115774
87	10.4	9.7W	35 7.073	-0.0015	21	-32 41 0.91	0.006	21	0.44	7.101	22	31.6	1.03	21	31.6		C7	10083	C -3214338
88	9.7	9.6W	35 8.075	0.0007	13	-37 1 13.25	0.014	13	0.26	8.065	15	35.7	13.46	21	35.7	A5	C8	9597	C -3712751
89	10.4	8.9W	35 12.998	0.0010	13	-36 8 49.31	0.024	13	0.26	12.984	15	35.7	49.66	21	35.7	K5 L	C8	9598	C -3612863
90	9.8	9.0W	35 13.026	0.0008	21	-34 21 27.97	-0.024	21	0.44	13.012	22	31.6	27.53	21	31.6	K0	C7	10084	C -3412994
91		7.6T	35 13.436	0.0005	13	-33 31 25.77	-0.014	09	0.59	13.412	18	02.6	25.05	18	00.0	K5	GC	25463	C -3313417
92	8.1	8.5W	35 14.106	0.0019	21	-34 2 34.08	-0.030	21	0.44	14.072	22	31.6	33.53	21	31.6	B9	C7	10086	C -3412995
93	10.0	9.1W	35 14.657	-0.0020	18	-38 49 44.81	0.010	18	0.32	14.686	15	35.7	44.96	21	35.7	K2	C8	9599	C -3812959
94	8.6	9.0W	35 18.251	-0.0003	18	-37 2 44.13	-0.012	18	0.32	18.255	15	35.7	43.96	21	35.7	B8	C8	9600	C -3712753
95	8.7	8.9W	35 19.497	-0.0012	21	-30 54 41.72	0.026	21	0.44	19.519	22	31.6	42.20	21	31.6	A2	C7	10087	C -3015961
96	8.0	8.0W	35 22.007	0.0026	21	-31 23 57.99	0.006	21	0.44	21.959	22	31.6	58.10	21	31.6	F0	C7	10088	C -3115781
97	8.5	8.9W	35 27.508	-0.0012	13	-37 42 3.36	0.000	13	0.26	27.525	15	35.7	3.36	21	35.7	B8	C8	9602	C -3712754
98	8.9	8.1W	35 28.144	0.0026	14	-39 33 52.57	-0.015	14	0.27	28.107	15	35.7	52.36	21	35.7	G5	C8	9603	C -3912781
99		6.8T	35 30.068	0.0030	12	-30 4 20.73	0.012	10	0.60	29.916	15	98.6	21.40	18	95.9	F2	GC	25476	C -3015966
00	7.6	7.7W	35 30.348	0.0016	13	-37 55 4.37	-0.015	13	0.26	30.325	15	35.7	4.16	21	35.7	A2	C8	9605	C -3712756

210400 — EPOCH 1950 — ORIGINAL EPOCH — -30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.0	8.8W	18 35 34.991	-0.0004	21	-31 15 59.33	0.009	21	0.44	34.999	22	31.6	59.50	21	31.6	F0	C7	10090	C -3115785
2	8.8	7.5W	35 37.886	-0.0015	08	-39 44 34.79	-0.009	08	0.22	37.907	15	35.7	34.66	21	35.7	K2	C8	9606	C -3912783
3		7.6T	35 39.551	0.0016	12	-30 33 49.99	0.000	10	0.62	39.468	18	97.1	50.00	18	93.7	B8	GC	25479	C -3015971
4	8.6	7.5W	35 47.931	0.0003	08	-39 57 20.56	-0.070	08	0.22	47.927	15	35.7	19.56	21	35.7	K0	C8	9608	C -4012679
5	9.1	8.3W	35 55.098	-0.0040	13	-37 44 42.07	-0.190	13	0.26	55.155	15	35.7	39.36	21	35.7	K0	C8	9609	C -3712762
6	8.3	8.1W	35 57.343	-0.0015	13	-36 16 28.30	-0.059	13	0.26	57.365	15	35.7	27.46	21	35.7	F2	C8	9610	C -3612873
7	9.3	8.4W	35 59.091	-0.0024	15	-38 3 29.99	0.012	15	0.28	59.125	15	35.7	30.16	21	35.7	G5	C8	9612	C -3812970
8		8.6T	35 59.313	0.0007	13	-34 12 42.44	-0.026	13	0.68	59.278	18	00.7	41.13	18	00.5	A0	GC	25487	C*-3413006
9	8.6	9.0W	36 9.924	-0.0003	21	-32 28 16.19	0.034	21	0.44	9.929	22	31.6	16.81	21	31.6	B9	C7	10093	C -3214366
10	8.9	8.2W	36 10.125	0.0030	21	-32 4 47.75	0.031	21	0.44	10.069	22	31.6	48.31	21	31.6	G5	C7	10094	C -3214368
11	10.2	9.2W	36 11.748	-0.0006	21	-30 55 58.75	-0.041	21	0.44	11.759	22	31.6	58.00	21	31.6	G5 L	C7	10095	C -3015980
12		7.9T	36 13.694	-0.0003	10	-33 2 25.73	-0.030	10	0.58	13.710	18	94.2	24.03	18	93.7	A0	GC	25496	C -3313434
13	9.8	9.6W	36 13.815	-0.0023	21	-30 21 40.94	0.045	21	0.44	13.858	22	31.6	41.77	21	31.6	F0 L	C7	10097	C -3015982
14	9.4	7.7W	36 16.074	-0.0006	13	-39 26 19.43	0.037	13	0.26	16.066	15	35.7	19.96	21	35.7	MA	C8	9613	C -3912796
15	10.9	9.8W	36 16.460	-0.0042	21	-30 17 21.89	-0.012	21	0.44	16.538	22	31.6	21.67	21	31.6		C7	10098	C -3015984
16	9.7	9.0W	36 19.394	0.0028	13	-36 1 5.30	0.011	13	0.26	19.354	15	35.7	5.46	21	35.7	G5	C8	9614	C -3612879
17	9.4	8.1W	36 19.547	0.0037	13	-35 20 15.77	0.034	13	0.26	19.494	15	35.7	16.26	21	35.7	K2	C8	9615	C -3512809
18	9.9	9.1W	36 26.886	0.0008	21	-33 47 44.63	0.005	21	0.44	26.872	22	31.6	44.73	21	31.6	K0 L	C7	10099	C -3313438
19	9.6	8.7W	36 33.479	0.0012	21	-30 21 43.70	0.020	21	0.44	33.458	22	31.6	44.07	21	31.6	K2 L	C7	10100	C -3015995
20	9.4	9.4W	36 36.934	-0.0025	21	-32 7 11.44	-0.050	21	0.44	36.979	22	31.6	10.51	21	31.6	A2	C7	10101	C -3214374
21	9.2	9.2W	36 40.460	0.0015	21	-34 38 45.11	-0.058	21	0.44	40.433	22	31.6	44.05	21	31.6	A5	C7	10102	C -3413010
22	8.7	8.4W	36 41.254	-0.0008	09	-37 33 4.74	0.008	09	0.22	41.265	15	35.7	4.86	21	35.7	F5	C8	9617	C -3712770
23	10.2	9.2W	36 41.568	0.0005	21	-31 0 44.18	0.001	21	0.44	41.559	22	31.6	44.20	21	31.6		C7	10103	C -3115810
24	10.2	10.3W	36 41.928	-0.0005	18	-38 4 58.20	-0.003	18	0.32	41.935	15	35.7	58.16	21	35.7	A2	C8	9618	C -3812981
25	9.5	9.5W	36 44.358	0.0048	21	-32 13 27.18	-0.047	21	0.44	44.269	22	31.6	26.31	21	31.6	A2	C7	10104	C -3214378
26	9.7	8.0W	36 49.623	-0.0022	13	-36 33 34.51	-0.011	13	0.26	49.655	15	35.7	34.36	21	35.7	MA	C8	9619	C -3612887
27	10.2	10.0W	36 52.975	-0.0026	18	-37 24 25.16	0.014	18	0.32	53.015	15	35.7	25.36	21	35.7	F5 L	C8	9620	C -3712774
28	9.2	8.8W	36 55.038	0.0021	13	-31 17 45.79	-0.021	21	0.44	54.999	22	31.6	45.40	21	31.6	G0	C7	10105	C -3115815
29	10.7	9.6W	36 56.256	0.0022	13	-35 10 1.01	-0.011	13	0.26	56.224	15	35.7	0.86	21	35.7	K1 L	C8	9621	C -3512815
30	8.7	7.4W	36 58.057	0.0009	13	-35 12 20.07	-0.008	13	0.26	58.044	15	35.7	19.96	21	35.7	G5	C8	9622	C -3512816
31	9.6	9.5W	36 58.892	-0.0008	13	-36 26 35.14	-0.027	13	0.26	58.904	15	35.7	34.76	21	35.7	F5	C8	9623	C -3612891
32	10.0	8.2W	36 59.054	-0.0007	13	-35 9 7.39	-0.051	13	0.26	59.064	15	35.7	6.66	21	35.7		C8	9624	C -3512823
33	9.3	9.1W	37 0.025	0.0035	21	-33 42 4.03	0.022	21	0.44	-59.962	22	31.6	4.43	21	31.6	G0	C7	10106	C -3313450
34	9.8	9.4W	37 3.311	0.0024	21	-30 24 45.19	-0.050	21	0.44	3.268	22	31.6	44.27	21	31.6		C7	10107	C -3016010
35	8.9	9.2W	37 10.743	-0.0004	21	-33 2 44.23	0.021	21	0.44	10.751	22	31.6	44.63	21	31.6	A0	C7	10108	C -3313452
36		7.2T	37 17.871	0.0033	13	-33 54 15.79	0.012	12	0.65	17.709	18	01.1	16.39	17	98.8	K0	GC	25525	C*-3313454
37	9.7	8.8W	37 18.526	-0.0000	06	-39 8 3.50	-0.017	06	0.20	18.526	15	35.7	3.26	21	35.7	G5	C8	9627	C -3912809
38	9.0	8.6W	37 23.324	-0.0028	13	-35 7 27.70	-0.045	13	0.26	23.364	15	35.7	27.06	21	35.7	G0	C8	9629	C -3512823
39	9.1	9.4W	37 27.000	-0.0012	21	-33 15 36.82	-0.065	21	0.44	27.021	22	31.6	35.63	21	31.6	A0	C7	10110	C -3313455
40	10.4	9.7W	37 28.817	0.0044	13	-35 33 1.13	0.030	13	0.26	28.754	15	35.7	1.56	21	35.7	K0 L	C8	9630	C -3512824
41	8.7	8.9W	37 31.138	-0.0017	21	-30 58 0.09	0.006	21	0.44	31.169	22	31.6	0.20	21	31.6	A2	C7	10111	C -3115824
42	9.9	9.4W	37 33.183	-0.0070	13	-34 59 43.93	0.001	13	0.26	33.284	15	35.7	43.95	21	35.7	G0	C8	9631	C -3512826
43	10.6	9.6W	37 34.173	0.0002	21	-30 50 57.86	0.051	21	0.44	34.169	22	31.6	58.80	21	31.6		C7	10112	C -3016023
44	8.7	8.7W	37 35.366	-0.0013	21	-32 3 35.33	0.005	21	0.44	35.389	22	31.6	35.41	21	31.6	A2	C7	10113	C -3214395
45	8.8	9.0W	37 36.453	-0.0022	08	-35 9 32.73	-0.040	08	0.22	36.484	15	35.7	32.16	21	35.7	A0	C8	9632	C -3512827
46	10.3	8.8W	37 39.305	-0.0021	10	-37 42 3.42	-0.032	10	0.23	39.335	15	35.7	2.96	21	35.7	K5	C8	9634	C -3712780
47	8.6	8.5W	37 39.819	-0.0032	18	-38 24 21.54	0.036	18	0.32	39.865	15	35.7	22.06	21	35.7	F0	C8	9636	C -3812991
48		7.6T	37 39.820	0.0009	18	-39 8 9.02	-0.014	13	0.79	39.779	18	03.0	8.36	19	00.7	MO	GC	25533	C -3912814
49			37 42.012	-0.0002	13	-37 53 2.40	-0.024	13	0.26	42.015	15	35.7	2.06	21	35.7	MO	C8	9637X	C -3712782
50	8.8	8.8W	37 43.760	-0.0005	13	-39 44 55.00	-0.059	13	0.26	43.767	15	35.7	54.16	21	35.7	A2	C8	9638	C -3912816
51	9.6	10.1W	18 37 44.375	-0.0027	13	-35 56 7.53	0.002	13	0.26	44.414	15	35.7	7.56	21	35.7	A2	C8	9639	C -3512828
52	8.1	8.5W	37 45.391	-0.0022	21	-33 55 2.71	-0.021	21	0.44	45.432	22	31.6	2.33	21	31.6	A2	C7	10114	C -3313460
53		7.5T	37 47.974	0.0023	12	-30 34 34.77	-0.044	09	0.57	47.858	17	98.9	32.37	17	95.4	K2	GC	25539	C -3016026
54	10.2	8.9W	37 48.863	-0.0008	21	-30 12 19.67	0.038	21	0.44	48.878	22	31.6	20.37	21	31.6	K L	C7	10116	C -3016029
55	10.3	8.5W	37 51.137	0.0008	13	-37 31 56.68	-0.009	13	0.26	51.125	15	35.7	56.56	21	35.7	MB	C8	9640	C -3712785
56	9.1	9.1W	37 54.360	0.0027	21	-32 45 37.48	-0.025	21	0.44	54.311	22	31.6	37.03	21	31.6	A5	C7	10117	C -3214400
57	8.5	8.6W	37 54.803	0.0013	21	-31 7 10.67	-0.015	21	0.44	54.779	22	31.6	10.40	21	31.6	B8	C7	10118	C -3115832
58	9.3	7.7W	37 54.845	0.0015	13	-36 21 22.28	-0.002	13	0.26	54.824	15	35.7	22.26	21	35.7	K2	C8	9641	C -3612907
59	10.9		37 55.250	-0.0032	18	-38 41 33.97	0.006	18	0.32	55.296	15	35.7	34.06	21	35.7	F8 L	C8	9642	C -3812995
60	10.3	9.5W	37 55.760	0.0015	21	-32 47 25.66	-0.002	21	0.44	55.731	22	31.6	25.63	21	31.6		C7	10119	C -3214401
61	10.4		37 58.723	-0.0022	13	-36 48 33.26	-0.007	13	0.26	58.755	15	35.7	33.16	21	35.7	A2	C8	9644	C -3612908
62	9.3	9.3W	38 1.899	0.0010	21	-34 25 37.92	-0.038	21	0.44	1.882	22	31.6	37.23	21	31.6	F0	C7	10120	C -3413033
63	10.0	9.9W	38 5.599	0.0000	21	-31 29 28.69	0.022	21	0.44	5.599	22	31.6	29.10	21	31.6	G2 L	C7	10121	C -3115836
64	8.4	8.9W	38 13.450	0.0011	21	-33 20 31.94	0.037	21	0.44	13.431	22	31.6	32.63	21	31.6	B9	C7	10122	C -3313471
65	10.6	9.2W	38 17.262	-0.0016	10	-36 57 18.17	0.006	10	0.23	17.285	15	35.7	18.26	21	35.7	MA	C8	9646	C -3712788
66	8.6	8.2W	38 23.177	-0.0000	13	-39 43 26.03	-0.005	13	0.26	23.177	15	35.7	25.96	21	35.7	G5	C8	9647	C -3912823
67		9.8W	38 25.509	-0.0027	21	-30 32 37.84	0.036	21	0.44	25.559	22	31.6	38.50	21	31.6		C7	10123	C -3016045
68	10.3	10.0W	38 26.056	-0.0018	21	-30 54 20.58	0.001	21	0.44	26.089	22	31.6	20.60	21	31.6		C7	10124	C -3016044
69	10.8	9.6W	38 26.612	-0.0036	13	-36 18 58.90	0.011	13	0.26	26.665	15	35.7	59.06	21	35.7	G5 L	C8	9648	C -3612918
70	10.7	9.2W	38 31.629	-0.0028	21	-31 46 9.45	-0.007	21	0.44	31.679	22	31.6	9.31	21	31.6	K L	C7	10125	C -3115844
71	10.2	8.6W	38 31.824	-0.0007	13	-35 38 32.37	-0.050	13	0.26	31.835	15	35.7	31.66	21	35.7	MB	C8	9649	C -3512837
72		8.3T	38 32.998	-0.0006	16	-31 13 6.25	-0.033	14	0.76	33.028	22	02.7	4.66	21	01.3	G5	GC	25554	C -3115848
73	8.9	8.8W	38 34.825	-0.0008	21	-32 20 29.70	0.012	21	0.44	34.839	22	31.6	29.91	21	31.6	F5	C7	10127	C -3214412
74	8.1	7.4W	38 43.105	0.0003	21	-31 31 37.12	-0.011	21	0.44	43.099	22	31.6	36.91	21	31.6	K0	C7	10128	C -3115849
75	8.2	7.9W	38 43.421	0.0010	21	-34 30 50.68	-0.062	21	0.44	43.403	22	31.6	49.55	21	31.6	G5	C7	10129	C -3413042
76	8.7	8.5W	38 44.650	-0.0012	13	-39 39 8.59	-0.058	13	0.26	44.667	15	35.7	7.76	21	35.7	A5	C8	9650	C -3912827
77	8.6	8.6W	38 53.284	-0.0004	21	-34 5 20.19	-0.036	21	0.44	53.292	22	31.6	19.53	21	31.6	F8	C7	10130	C -3413045
78	7.1	7.8W	38 54.607	0.0020	21	-32 24 58.84	-0.039	21	0.44	54.569	22	31.6	58.11	21	31.6	B8	C7	10131	C -3214416
79	8.9	9.1W	39 1.612	-0.0047	21	-30 40 35.02	-0.023	21	0.44	1.699	22	31.6	34.60	21	31.6	A2	C7	10132	C -3016066
80	10.3	9.5W	39 7.113	-0.0022	08	-35 4 58.43	-0.012	08	0.22	7.144	15	35.7	58.26	21	35.7	K0 L	C8	9653	C -3512846
81	9.0	8.9W	39 7.652	-0.0002	10	-38 19 51.44	-0.020	10	0.23	7.655	15	35.7	51.16	21	35.7	F0	C8	9654	C -3813008
82	9.4	7.9W	39 10.550	-0.0010	13	-35 12 15.54	-0.041	13	0.26	10.564	15	35.7	14.96	21	35.7	K2	C8	9655	C -3512847
83	9.4	9.2W	39 12.822	-0.0009	13	-35 18 51.27	-0.015	13	0.26	12.834	15	35.7	51.06	21	35.7	F8	C8	9656	C -3512848
84	8.9	7.6W	39 20.367	0.0003	21	-33 40 55.76	0.047	21	0.44	20.362	22	31.6	56.63	21	31.6	K2	C7	10133	C -3313488
85	10.3	10.5W	39 21.607	0.0001	18	-37 35 15.08	0.026	18	0.32	21.605	15	35.7	15.46	21	35.7	A2	C8	9657	C -3712797
86	9.7	9.8W	39 23.291	0.0001	21	-31 7 29.11	0.021	21	0.44	23.289	22	31.6	29.50	21	31.6	A2	C7	10134	C -3115867
87	9.7	9.5W	39 25.209	-0.0037	21	-30 15 18.93	0.013	21	0.44	25.278	22	31.6	19.17	21	31.6	F5 L	C7	10135	C -3016077
88		7.1T	39 25.632	0.0032	16	-39 20 6.80	-0.001	15	0.75	25.479	18	01.7	6.77	19	98.6	B8	GC	25578K	C*-3912836
89	10.6	9.9W	39 28.903	0.0045	21	-32 2 25.85	-0.007	21	0.44	26.819	22	31.6	25.71	21	31.6		C7	10136	C -3214421
90	8.1	8.2W	39 40.080	0.0004	13	-36 13 58.83	-0.012	13	0.26	40.074	15	35.7	58.66	21	35.7	A2	C8	9661	C -3612929
91	9.7	8.6W	39 42.229	-0.0010	21	-30 5 42.39	0.026	21	0.44	42.248	22	31.6	42.87	21	31.6	K0	C7	10137	C -3016092
92	7.9	8.0W	39 45.737	0.0009	21	-32 47 56.33	-0.066	21	0.44	45.721	22	31.6	55.13	21	31.6	F0	C7	10138	C -3214424
93	9.7	9.5W	39 48.577	-0.0034	21	-31 53 24.59	0.061	21	0.44	48.639	22	31.6	25.71	21	31.6	F5	C7	10139	C -3115876
94	8.3	8.8W	39 49.595	0.0002	21	-33 32 36.00	0.029	21	0.44	49.591	22	31.6	36.53	21	31.6	B9	C7	10140	C -3313496
95	10.0	8.7W	39 52.228	0.0002	13	-38 29 55.06	-0.028	13	0.26	52.225	15	35.7	54.66	21	35.7	K2	C8	9663	C -3813027
96	8.5	8.4W	39 55.182	0.0004	13	-38 40 40.40	0.004	13	0.26	55.176	15	35.7	40.46	21	35.7	F2	C8	9664	C -3813029
97	8.2	8.2W	40 2.245	0.0008	21	-31 41 13.10	0.050	21	0.44	2.229	22	31.6	14.01	21	31.6	F2	C7	10141	C -3115883
98	9.0	9.4W	40 5.116	0.0008	21	-34 5 0.96	0.085	21	0.44	5.102	22	31.6	2.53	21	31.6	A0	C7	10142	C -3413061
99	9.8	9.7W	40 7.227	-0.0005	13	-35 41 46.54	0.001	13	0.26	7.234	15	35.7	46.56	21	35.7	A5	C8	9666	C -3512860
00	8.2	8.0W	40 13.124	0.0034	21	-33 58 25.85	-0.012	21	0.44	13.062	22	31.6	25.63	21	31.6	F8	C7	10143	C -3413062

210500

EPOCH 1950 · ORIGINAL EPOCH · SOURCE · -30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		5.1T	18 40 21.169	0.0002	05	-38 22 24.69	-0.056	04	0.22	21.162	07	06.2	22.11	07	64.3	A0	GC	25599K	C*-3813036
2	10.0	9.0W	40 27.662	0.0001	21	-32 32 23.94	-0.023	21	0.44	27.661	22	31.6	23.53	21	31.6	K0	C7	10144	C -3214435
3	10.2	9.0W	40 27.691	-0.0024	23	-37 10 36.89	-0.002	23	0.38	27.725	15	35.7	36.86	21	35.7	K5	C8	9669	C -3712806
4	9.5	9.6W	40 28.387	0.0019	21	-33 26 34.80	-0.012	21	0.44	28.351	22	31.6	35.03	21	31.6	A2	C7	10145	C -3313507
5	9.1	9.0W	40 35.553	0.0033	21	-32 31 56.51	-0.059	21	0.44	35.491	22	31.6	55.43	21	31.6	G0	C7	10146	C -3214439
6	10.2	9.5W	40 42.209	-0.0006	21	-32 31 50.22	-0.011	21	0.44	42.221	22	31.6	50.03	21	31.6	G0	C7	10147	C -3214442
7		6.4T	40 44.912	-0.0000	15	-36 46 9.05	-0.059	12	0.70	44.914	19	02.1	6.04	18	99.3	K0	GC	25609	C -3612946
8	9.7	9.0W	40 53.074	0.0028	21	-32 30 40.60	-0.037	21	0.44	53.021	22	31.6	39.93	21	31.6	G5	C7	10148	C -3214445
9		4.8T	40 58.443	0.0002	06	-35 41 35.62	-0.036	06	0.29	58.434	12	06.4	34.00	12	04.5	B3	GC	25613	C*-3512876
10	9.9	9.1W	41 2.360	-0.0010	21	-31 25 43.84	0.041	21	0.44	2.379	22	31.6	44.60	21	31.6	K0	C7	10149	C -3115907
11	9.9	10.2W	41 2.684	0.0001	18	-35 15 55.26	-0.007	18	0.32	2.684	15	35.7	55.16	21	35.7	A0	C8	9673	C -3512878
12	9.5	9.2W	41 9.844	0.0007	21	-33 31 2.77	0.063	21	0.44	9.832	22	31.6	3.93	21	31.6	G0	C7	10150	C -3313515
13	8.0	7.9W	41 14.797	0.0001	18	-38 10 48.31	-0.018	18	0.32	14.795	15	35.7	48.06	21	35.7	F2	C8	9675	C -3813045
14		8.1T	41 17.535	0.0010	18	-36 56 21.02	-0.018	14	0.81	17.491	24	03.9	20.10	21	00.0	M0	GC	25620	C -3712817
15	9.3	9.5W	41 17.725	-0.0014	10	-37 34 9.01	-0.004	10	0.23	17.745	15	35.7	8.96	21	35.7	F8	C8	9677	C -3712816
16	9.0	8.9W	41 17.970	-0.0004	21	-30 27 1.92	0.019	21	0.44	17.978	22	31.6	2.27	21	31.6	A2	C7	10151	C -3016127
17	9.0	8.1W	41 23.941	0.0001	21	-31 27 8.39	0.017	21	0.44	23.939	22	31.6	8.70	21	31.6	K0	C7	10152	C -3115913
18		5.5T	41 28.815	0.0007	08	-39 44 18.16	-0.010	06	0.31	28.785	12	10.3	17.74	12	06.6	+++	GC	25628	C*-3912864
19	8.9	7.5W	41 30.489	-0.0010	21	-30 1 56.49	-0.001	21	0.44	30.508	22	31.6	56.47	21	31.6	K2	C7	10153	C -3016133
20		6.7T	41 30.917	-0.0007	13	-39 47 59.54	-0.183	09	0.61	30.954	18	00.7	49.60	18	95.6	G0	GC	25630	C*-3912866
21	9.7	9.4W	41 32.364	0.0028	21	-33 1 1.75	-0.018	21	0.44	32.311	22	31.6	1.43	21	31.6	F8	C7	10154	C -3313520
22	7.9	7.7W	41 33.605	0.0035	21	-33 26 5.87	0.008	21	0.44	33.541	22	31.6	6.03	21	31.6	G0	C7	10155	C -3313522
23	9.4	9.5W	41 38.583	-0.0009	21	-31 56 22.25	-0.078	21	0.44	38.599	22	31.6	20.81	21	31.6	A5	C7	10156	C -3214457
24	9.6	9.8W	41 44.251	-0.0014	21	-30 4 9.59	-0.012	21	0.44	44.278	22	31.6	9.37	21	31.6	A	C7	10157	C -3016136
25	8.6	9.0W	41 44.596	0.0035	21	-33 18 25.24	-0.023	21	0.44	44.531	22	31.6	24.83	21	31.6	A0	C7	10158	C -3313527
26	9.2	9.7W	41 44.978	-0.0023	21	-31 54 11.47	-0.046	21	0.44	45.019	22	31.6	10.61	21	31.6	B9	C7	10159	C -3115921
27	10.7	9.7W	41 45.291	0.0019	13	-35 1 13.57	-0.043	13	0.26	45.264	15	35.7	12.96	21	35.7	K0	C8	9680	C -3512891
28	9.7	9.9W	41 45.536	-0.0084	21	-34 21 53.06	-0.018	21	0.44	45.692	22	31.6	52.73	21	31.6	A0	C7	10160	C -3413077
29	10.2	9.9W	41 50.319	0.0001	21	-30 7 34.51	-0.002	21	0.44	50.318	22	31.6	34.47	21	31.6	G0	C7	10161	C -3016140
30	10.4	8.9W	41 54.228	-0.0039	13	-35 1 59.56	0.014	13	0.26	54.284	15	35.7	59.76	21	35.7	K0	C8	9682	C -3512893
31	9.7	8.9W	41 55.435	-0.0007	09	-37 55 28.34	0.022	09	0.22	55.445	15	35.7	28.66	21	35.7	G5	C8	9683	C -3712826
32		6.6T	41 57.412	-0.0007	12	-35 54 31.65	-0.065	11	0.61	57.445	15	01.6	28.40	17	99.7	K0	GC	25642	C -3512894
33	8.9	8.7W	41 58.201	0.0033	13	-35 32 9.41	-0.011	13	0.26	58.154	15	35.7	9.26	21	35.7	F5	C8	9685	C -3512895
34	9.9	9.5W	41 58.597	-0.0023	21	-30 48 15.18	-0.010	21	0.44	58.639	22	31.6	15.00	21	31.6	A5	C7	10162	C -3016146
35	9.2	8.9W	41 59.006	-0.0035	21	-33 21 10.69	-0.004	21	0.44	59.071	22	31.6	10.63	21	31.6	F8	C7	10163	C -3313529
36	10.2	9.3W	41 59.158	-0.0026	13	-36 50 46.57	0.034	13	0.26	59.195	15	35.7	47.06	21	35.7	K0	L C8	9686	C -3612963
37	9.6	9.1W	42 10.012	-0.0009	13	-37 53 28.90	-0.045	13	0.26	10.025	15	35.7	28.26	21	35.7	G0	C8	9687	C -3712829
38	9.4	9.2W	42 10.335	-0.0007	13	-37 41 32.51	-0.018	13	0.26	10.345	15	35.7	32.26	21	35.7	A3	C8	9688	C -3712830
39	10.1	10.3W	42 14.115	0.0037	21	-30 22 29.72	-0.008	21	0.44	14.048	22	31.6	29.57	21	31.6		C7	10164	C -3016155
40	10.2	9.2W	42 16.465	-0.0008	21	-31 42 12.29	-0.053	21	0.44	16.479	22	31.6	11.31	21	31.6	K0	C7	10165	C -3115935
41	10.7	9.4W	42 21.455	0.0009	21	-30 45 37.42	0.037	21	0.44	21.439	22	31.6	38.10	21	31.6		C7	10166	C -3016157
42	10.1	9.9W	42 22.984	0.0003	21	-31 0 1.92	0.075	21	0.44	22.979	22	31.6	3.30	21	31.6	A0	L C7	10167	C -3115936
43	8.8	8.1W	42 36.659	0.0004	21	-34 37 40.40	0.002	21	0.44	36.653	22	31.6	40.44	21	31.6	K0	C7	10168	C -3413087
44	10.2	10.0W	42 39.379	0.0096	21	-33 2 3.62	0.011	21	0.44	39.201	22	31.6	3.83	21	31.6	A0	L C7	10169	C -3313539
45	10.0	8.9W	42 41.400	-0.0011	13	-38 46 9.17	-0.022	13	0.26	41.416	15	35.7	8.86	21	35.7	K0	C8	9693	C -3813064
46	10.6	9.5W	42 43.105	-0.0050	21	-30 2 7.92	-0.008	21	0.44	43.198	22	31.6	7.77	21	31.6		C7	10170	C -3016163
47	11.5		42 47.157	-0.0033	23	-36 2 37.76	0.035	23	0.38	47.204	15	35.7	38.26	21	35.7		C8	9695	C -3612976
48	11.0	10.4W	42 47.495	-0.0004	21	-33 1 47.86	-0.040	21	0.44	47.501	22	31.6	47.13	21	31.6	G0	L C7	10171	C -3313541
49	10.2	8.6W	42 52.673	-0.0017	09	-39 54 47.44	0.008	09	0.22	52.697	15	35.7	47.56	21	35.7	M8	C8	9696	C -3912885
50			42 52.926	0.0009	21	-30 32 33.83	-0.002	21	0.44	52.909	22	31.6	33.80	21	31.6	A2	C7	10172V	C*-3016169
51	9.4	9.0W	18 42 58.011	0.0012	13	-35 54 52.57	-0.015	13	0.26	57.994	15	35.7	52.36	21	35.7	F5	C8	9697	C -3512908
52	8.6	8.9W	43 0.739	0.0002	18	-38 53 30.36	-0.007	18	0.32	0.736	15	35.7	30.26	21	35.7	B9	C8	9699	C -3813073
53	10.1	9.2W	43 2.063	0.0006	21	-33 19 4.39	0.002	21	0.44	2.061	22	31.6	4.43	21	31.6	G5	C7	10173	C -3313544
54	9.0	9.3W	43 3.620	-0.0005	21	-31 11 23.63	0.009	21	0.44	3.629	22	31.6	23.80	21	31.6	A0	C7	10174	C -3115951
55	10.4	9.4W	43 4.633	-0.0020	21	-33 12 18.27	-0.068	21	0.44	4.671	22	31.6	17.03	21	31.6	G2	L C7	10175	C -3313545
56	9.8	10.3W	43 6.408	-0.0026	18	-37 45 39.57	0.048	18	0.32	6.445	15	35.7	40.26	21	35.7	A2	C8	9700	C -3712840
57		6.8T	43 11.262	0.0014	26	-39 47 6.45	-0.050	22	1.08	11.264	24	06.9	4.25	24	05.7	M0	GC	25683	C -3912887
58	9.9	9.2W	43 12.848	-0.0017	21	-31 23 47.34	-0.035	21	0.44	12.879	22	31.6	46.70	21	31.6	R6	C7	10177	C -3115954
59		7.7T	43 12.940	0.0017	13	-33 57 44.42	-0.023	11	0.60	12.859	14	02.8	43.29	15	01.5	G0	GC	25684	C*-3413095
60	10.0	9.0W	43 15.921	-0.0038	13	-36 52 6.90	0.018	13	0.26	15.975	15	35.7	7.16	21	35.7	K0	C8	9702	C -3612983
61	7.9	7.2W	43 20.415	0.0008	21	-31 57 41.73	-0.006	21	0.44	20.399	22	31.6	41.61	21	31.6	K0	C7	10178	C -3214495
62	9.6	9.6W	43 31.702	-0.0001	18	-36 3 23.70	0.018	18	0.32	31.705	15	35.7	23.96	21	35.7	F0	C8	9703	C -3612990
63	8.9	9.7W	43 44.203	-0.0024	21	-30 0 51.57	0.022	21	0.44	44.248	22	31.7	51.97	21	31.7	B3	C7	10179	C -3016198
64	10.1	8.6W	43 44.700	0.0011	21	-31 35 28.95	-0.051	21	0.44	44.679	22	31.7	28.01	21	31.7	K0	C7	10180	C -3115967
65	8.2	8.5W	43 45.627	-0.0000	09	-39 37 6.80	-0.024	09	0.22	45.627	15	35.7	6.46	21	35.7	A2	C8	9704	C -3912895
66	9.6	9.3W	43 46.475	-0.0049	10	-37 4 29.09	-0.037	10	0.23	46.545	15	35.7	28.56	21	35.7	F8	C8	9706	C -3712853
67	9.7	10.3W	43 47.220	-0.0024	13	-35 47 2.88	-0.058	13	0.26	47.254	15	35.7	2.06	21	35.7	A0	C8	9707	C -3512917
68	9.0	8.7W	43 51.630	0.0003	13	-38 52 33.58	-0.023	13	0.26	51.626	15	35.7	33.26	21	35.7	F8	C8	9708	C -3813087
69	11.0	9.5W	43 53.612	-0.0000	21	-34 39 51.11	-0.020	21	0.44	53.613	22	31.7	50.75	21	31.7	K5	C7	10181	C -3413103
70		7.0T	43 54.650	-0.0031	18	-37 36 11.94	-0.025	14	0.83	54.800	18	02.0	10.62	21	98.3	B9	GC	25714	C*-3712856
71	10.1	8.6W	43 56.816	0.0035	21	-33 1 13.23	0.005	21	0.44	56.751	22	31.7	13.33	21	31.7	K5	C7	10182	C -3313560
72	7.7	7.5W	43 57.559	-0.0006	21	-31 47 42.86	0.036	21	0.44	57.569	22	31.7	43.51	21	31.7	F5	C7	10183	C -3115973
73	8.6	8.8W	44 4.754	0.0003	21	-30 54 59.79	-0.005	21	0.44	4.749	22	31.7	59.70	21	31.7	A5	C7	10184	C -3016207
74	8.8	9.3W	44 7.666	-0.0024	21	-31 36 11.26	-0.002	21	0.44	7.709	22	31.7	11.21	21	31.7	A0	C7	10185	C*-3115979
75	8.3	8.7W	44 7.828	-0.0012	21	-32 42 10.07	0.008	21	0.44	7.851	22	31.7	10.23	21	31.7	B9	C7	10186	C -3214507
76	8.7	7.4W	44 22.876	-0.0009	21	-32 37 3.00	0.023	21	0.44	22.891	22	31.7	3.43	21	31.7	K0	C7	10187	C -3214512
77	10.9	9.4W	44 22.907	-0.0019	13	-36 11 6.76	0.000	13	0.26	22.934	15	35.7	6.76	21	35.7	K5	L C8	9712	C -3613002
78	8.4	8.2W	44 30.804	-0.0007	06	-35 33 15.21	0.017	06	0.20	30.814	15	35.7	15.46	21	35.7	F5	C8	9715	C -3512926
79	10.0	10.1W	44 34.181	-0.0031	18	-38 18 56.50	-0.024	18	0.32	34.225	15	35.7	56.16	21	35.7	A3	L C8	9716	C -3813094
80	9.3	9.2W	44 45.845	-0.0028	18	-37 38 21.98	0.019	18	0.32	45.885	15	35.7	22.26	21	35.7	A3	C8	9717	C -3712872
81		7.0T	44 49.967	-0.0005	13	-39 39 32.69	-0.007	12	0.66	49.994	17	00.3	32.35	18	97.5	A0	GC	25737	C*-3912911
82	9.1	9.1W	44 56.796	0.0035	21	-33 1 36.86	-0.024	21	0.44	56.731	22	31.7	36.43	21	31.7	A3	C7	10188	C -3313574
83		7.1T	44 56.846	0.0006	14	-33 57 51.42	-0.028	12	0.70	56.816	19	00.8	49.95	19	97.8	A2	GC	25741	C -3413116
84		7.0T	44 58.362	0.0038	13	-37 4 10.22	-0.024	12	0.68	58.175	21	00.3	8.97	19	98.9	K0	GC	25742K	C -3712877
85	7.7	7.9W	44 58.604	0.0031	21	-30 24 47.44	0.018	21	0.44	58.548	22	31.7	47.77	21	31.7	F2	C7	10190	C -3016225
86	10.2	9.7W	45 4.423	-0.0008	21	-30 14 42.76	0.017	21	0.44	4.438	22	31.7	43.07	21	31.7	G5	L C7	10191	C -3016228
87	8.9	8.7W	45 4.428	-0.0013	13	-39 32 50.98	-0.044	13	0.26	4.447	15	35.7	50.36	21	35.7	F5	C8	9721	C -3912917
88	6.8	7.5W	45 8.037	0.0015	21	-31 55 17.14	-0.012	21	0.44	8.009	22	31.7	16.91	21	31.7	B8	C7	10192	C -3214530
89	9.2	9.4W	45 17.812	0.0012	13	-36 40 50.70	-0.038	13	0.26	17.795	15	35.7	50.16	21	35.7	A0	C8	9723	C -3613016
90	10.1	9.3W	45 18.242	-0.0016	13	-36 40 4.56	-0.070	13	0.26	18.265	15	35.7	3.56	21	35.7	A5	L C8	9724	C -3613017
91	9.2	9.5W	45 25.829	0.0012	21	-30 3 21.81	0.047	21	0.44	25.808	22	31.7	22.67	21	31.7	A0	C7	10193	C -3016239
92	10.8	9.4W	45 26.437	0.0019	21	-33 11 16.18	0.024	21	0.44	26.401	22	31.7	16.63	21	31.7	K5	L C7	10194	C -3313583
93	10.3	9.3W	45 29.332	-0.0010	21	-32 16 57.23	-0.017	21	0.44	29.349	22	31.7	56.91	21	31.7	K0	C7	10195	C -3214536
94	9.2	8.7W	45 35.816	-0.0039	21	-30 9 3.83	-0.167	21	0.44	35.888	22	31.7	0.77	21	31.7	G0	C7	10196	C -3016245
95	11.0	10.1W	45 37.990	-0.0044	21	-31 46 4.62	-0.071	21	0.44	38.069	22	31.7	3.31	21	31.7	G5	L C7	10197	C -3116006
96	9.0	9.1W	45 46.347	-0.0045	21	-30 41 10.13	0.020	21	0.44	46.429	22	31.7	10.50	21	31.7	A3	C7	10198	C -3016253
97		6.8T	45 47.474	0.0025	08	-32 46 3.99	-0.001	07	0.38	47.362	14	05.1	3.94	15	04.8	K0	GC	25765	C*-3214541
98	9.2	9.6W	45 53.871	0.0001	21	-31 19 32.13	0.009	21	0.44	53.869	22	31.7	32.30	21	31.7	A0	C7	10200	C -3116011
99	9.8	9.2W	45 54.681	-0.0023	13	-36 10 17.23	0.016	13	0.26	54.714	15	35.7	17.46	21	35.7	G5	C8	9730	C -3613029
00		6.6T	45 57.836	0.0037	13	-34 48 17.18	-0.100	13	0.69	57.651	18	99.8	12.07	18	99.1	K0	GC	25764	C -3413128

210600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 18H DM NUMBER
1	8.7	8.7W	18 45 58.499	-0.0011	06	-36 41 32.71	0.003	06	0.20	58.515	15	35.7	32.76	21	35.7	F0		C8	9731	C -3613031
2	9.0	9.0W	46 4.724	0.0028	13	-35 5 39.63	-0.033	13	0.26	4.684	15	35.7	39.16	21	35.7	F0		C8	9732	C -3512949
3	9.1	8.2W	46 9.532	0.0029	21	-30 31 40.55	0.046	21	0.44	9.479	22	31.7	41.40	21	31.7	K0		C7	10202	C -3016264
4	9.4	9.5W	46 12.387	0.0031	21	-32 17 52.17	0.008	21	0.44	12.329	22	31.7	52.31	21	31.7	A2		C7	10203	C -3214543
5	9.0	8.1W	46 15.533	-0.0008	18	-37 22 10.89	-0.030	18	0.32	15.545	15	35.7	10.46	21	35.7	K0		C8	9733	C -3712891
6		7.8T	46 23.750	-0.0031	17	-33 39 17.48	-0.033	14	0.81	23.901	19	01.2	15.76	19	98.3	F2		GC	25777K	C*-3313603
7	9.4	7.9W	46 28.319	-0.0040	21	-34 35 25.13	-0.016	21	0.44	28.393	22	31.7	24.84	21	31.7	MA		C7	10205	C -3413137
8	10.3	9.0W	46 30.377	-0.0007	21	-31 35 55.42	-0.038	21	0.44	30.389	22	31.7	54.71	21	31.7			C7	10206	C -3116026
9	8.4	8.2W	46 33.145	0.0013	13	-39 24 22.87	-0.022	13	0.26	33.126	15	35.7	22.56	21	35.7	F2		C8	9734	C -3912933
10	7.3	7.7W	46 33.348	-0.0007	21	-34 14 59.84	-0.017	21	0.44	33.362	22	31.7	59.53	21	31.7	A2		C7	10207	C -3413140
11	10.0	8.6W	46 36.981	-0.0002	13	-36 6 55.77	-0.036	13	0.26	36.985	15	35.7	55.26	21	35.7	K2		C8	9736	C -3613043
12	10.6		46 37.549	-0.0019	18	-38 43 42.07	-0.043	18	0.32	37.576	15	35.7	41.46	21	35.7	A0	L	C8	9737	C -3813126
13	8.2	8.8W	46 42.390	-0.0004	21	-30 3 52.90	0.053	21	0.44	42.398	22	31.7	53.87	21	31.7	B8		C7	10208	C -3016277
14		8.1T	46 51.991	0.0002	18	-33 39 20.71	-0.014	14	0.79	51.981	18	03.9	20.02	18	02.1	F5		GC	25794	C -3313611
15	8.8	8.7W	46 54.938	0.0009	21	-33 34 56.25	-0.023	21	0.44	54.922	22	31.7	55.83	21	31.7	F8		C7	10210	C -3313612
16	10.8	9.4W	46 55.758	-0.0018	13	-35 43 29.59	-0.016	13	0.26	55.784	15	35.7	29.36	21	35.7	K0	L	C8	9738	C -3512956
17	8.7	8.7W	46 58.955	0.0009	21	-31 12 1.80	0.011	21	0.44	58.939	22	31.7	2.00	21	31.7	F0		C7	10211	C -3116033
18	10.3	9.7W	47 2.445	-0.0013	21	-30 33 41.65	0.052	21	0.44	2.469	22	31.7	42.60	21	31.7	G5	L	C7	10212	C -3016283
19	8.3	7.7W	47 7.688	0.0023	18	-36 52 25.89	0.005	18	0.32	7.655	15	35.7	25.96	21	35.7	G0		C8	9740	C -3613047
20	10.2	9.9W	47 10.024	0.0041	13	-36 47 50.94	-0.013	13	0.26	9.965	15	35.7	50.76	21	35.7	G0	L	C8	9741	C -3613048
21	9.6	9.3W	47 11.393	0.0014	21	-30 16 43.07	0.022	21	0.44	11.368	22	31.7	43.47	21	31.7	G0		C7	10213	C -3016291
22	9.5	8.7W	47 19.693	-0.0001	13	-36 31 37.87	-0.015	13	0.26	19.695	15	35.7	37.66	21	35.7	G5		C8	9742	C -3613049
23	10.1	8.9W	47 20.012	-0.0021	21	-34 25 34.69	-0.036	21	0.44	20.052	22	31.7	34.03	21	31.7	K0		C7	10214	C -3413150
24	10.3	9.6W	47 22.327	-0.0001	21	-30 37 16.85	0.046	21	0.44	22.329	22	31.7	17.70	21	31.7	G5	L	C7	10215	C -3016300
25		7.2T	47 28.518	0.0015	18	-34 21 50.20	0.007	14	0.82	28.447	19	02.7	50.54	19	99.7	B9		GC	25818	C -3413153
26	8.4	8.7W	47 29.804	0.0009	21	-30 17 52.23	0.013	21	0.44	29.788	22	31.7	52.47	21	31.7	A0		C7	10217	C -3016304
27	9.7	9.3W	47 36.082	0.0005	18	-38 8 38.74	-0.076	18	0.32	36.075	15	35.7	37.66	21	35.7	F5		C8	9743	C -3813138
28	9.4	9.6W	47 37.506	-0.0020	13	-38 26 49.03	-0.026	13	0.26	37.535	15	35.7	48.66	21	35.7	A3		C8	9744	C -3813139
29		7.1T	47 41.645	0.0014	14	-39 14 4.94	-0.002	12	0.70	41.579	21	01.4	4.86	19	98.3	K2		GC	25828	C*-3912943
30	8.8	7.5W	47 42.482	0.0005	06	-37 18 26.73	-0.012	06	0.20	42.475	15	35.7	26.56	21	35.7	K2		C8	9747	C -3712906
31		7.9T	47 44.899	-0.0001	09	-31 1 14.70	0.001	09	0.52	44.906	18	96.0	14.76	17	95.1	A0		GC	25830	C -3116050
32		8.7T	47 46.563	0.0007	15	-30 51 20.71	-0.004	14	0.75	46.531	21	01.3	20.51	21	99.6	A0		GC	25832	C -3016310
33	10.0	9.8W	47 49.147	-0.0014	21	-34 31 55.50	-0.003	21	0.44	49.173	22	31.7	55.44	21	31.7	G0		C7	10221	C -3413158
34	9.2	9.1W	47 50.171	0.0054	21	-32 56 20.64	-0.023	21	0.44	50.071	22	31.7	20.23	21	31.7	G0		C7	10222	C -3313634
35	9.7	9.4W	47 58.276	-0.0019	21	-32 44 1.27	0.008	21	0.44	58.311	22	31.7	1.43	21	31.7	G0		C7	10223	C -3214573
36	8.3	8.7W	48 3.914	-0.0002	21	-30 4 46.44	0.018	21	0.44	3.918	22	31.7	46.77	21	31.7	A0		C7	10224	C -3016321
37	8.4	8.3W	48 4.899	0.0009	13	-38 54 37.83	-0.006	13	0.26	4.886	15	35.7	37.76	21	35.7	F0		C8	9751	C -3813144
38	8.3	8.7W	48 8.200	0.0016	13	-39 58 4.67	-0.029	13	0.26	8.177	15	35.7	4.26	21	35.7	A0		C8	9752	C -4012863
39	8.5	8.5W	48 9.956	0.0023	21	-35 0 51.53	-0.021	21	0.44	9.913	22	31.7	51.15	21	31.7	F0		C7	10225	C -3512973
40	8.8	8.1W	48 11.778	0.0017	21	-30 10 40.39	-0.001	21	0.44	11.748	22	31.7	40.37	21	31.7	K0		C7	10226	C -3016323
41	9.1	7.4W	48 15.906	-0.0027	13	-36 31 19.69	0.019	13	0.26	15.945	15	35.7	19.96	21	35.7	K5		C8	9753	C -3613064
42	8.7	7.8W	48 17.234	-0.0035	13	-35 26 34.94	-0.027	13	0.26	17.284	15	35.7	34.56	21	35.7	K0		C8	9754	C -3512977
43	9.8	8.8W	48 19.163	0.0013	21	-30 56 13.24	-0.002	21	0.44	19.139	22	31.7	13.20	21	31.7	K0		C7	10227	C -3116064
44	9.3	8.2W	48 28.079	-0.0012	21	-34 4 20.63	-0.011	21	0.44	28.102	22	31.7	20.43	21	31.7	K0		C7	10228	C -3413169
45	11.2	10.2W	48 31.698	-0.0016	21	-30 29 14.77	0.000	21	0.44	31.728	22	31.7	14.77	21	31.7			C7	10229	C -3016331
46	8.3	7.5W	48 34.863	0.0002	21	-31 19 24.22	-0.050	21	0.44	34.859	22	31.7	23.30	21	31.7	G5		C7	10230	C -3116066
47	9.6	9.3W	48 40.546	-0.0034	18	-37 12 48.67	-0.015	18	0.32	40.595	15	35.7	48.46	21	35.7	F8		C8	9755	C -3712917
48	9.4	9.4W	48 40.863	-0.0015	09	-36 29 7.64	-0.020	09	0.22	40.884	15	35.7	7.36	21	35.7	A2		C8	9756	C -3613076
49	10.3	9.7W	48 42.195	0.0007	21	-32 42 4.67	-0.101	21	0.44	42.181	22	31.7	2.83	21	31.7	G2	L	C7	10231	C -3214589
50	10.3	8.6W	48 50.041	-0.0005	21	-31 57 30.54	-0.012	21	0.44	50.049	22	31.7	30.31	21	31.7	K5		C7	10232	C -3214595
51	9.0	7.9W	18 48 51.901	-0.0031	18	-38 0 29.01	0.052	18	0.32	51.945	15	35.7	29.76	21	35.7	K2		C8	9758	C -3813155
52	9.8	8.2W	48 54.213	0.0020	13	-35 12 44.27	-0.029	13	0.26	54.184	15	35.7	43.86	21	35.7	K5		C8	9759	C -3512981
53	8.0	7.8W	48 57.272	0.0006	13	-35 41 5.46	-0.007	13	0.26	57.264	15	35.7	5.36	21	35.7	F2		C8	9760	C -3512982
54		8.8T	49 0.578	0.0026	20	-30 51 19.34	0.005	16	0.86	0.461	22	04.1	19.59	19	01.9	G5		GC	25865	C -3016346
55	9.0	8.6W	49 10.412	0.0005	09	-36 38 38.74	-0.118	09	0.22	10.405	15	35.7	37.06	21	35.7	G0		C8	9761	C -3613083
56	9.4	9.7W	49 11.645	-0.0012	21	-30 0 31.37	0.022	21	0.44	11.668	22	31.7	31.77	21	31.7	A0		C7	10234	C -3016350
57	9.2	8.3W	49 11.840	0.0003	10	-38 39 19.39	0.005	10	0.23	11.836	15	35.7	19.46	21	35.7	G5		C8	9762	C -3813158
58	8.2	8.5W	49 12.605	-0.0002	21	-31 2 52.62	0.015	21	0.44	12.609	22	31.7	52.90	21	31.7	A2		C7	10235	C -3116071
59	10.0	9.5W	49 13.810	-0.0114	21	-30 57 1.37	0.018	21	0.44	14.019	22	31.7	1.70	21	31.7	K0	L	C7	10236	C -3116072
60	9.3	9.8W	49 23.498	-0.0001	21	-31 48 8.08	-0.025	21	0.44	23.499	22	31.7	7.61	21	31.7	B9		C7	10237	C -3116075
61	10.8	9.7W	49 28.120	-0.0005	21	-31 2 1.16	0.046	21	0.44	28.129	22	31.7	2.00	21	31.7	K0	L	C7	10238	C -3116077
62	8.3	8.2W	49 28.864	-0.0007	06	-35 6 16.63	-0.012	06	0.20	28.874	15	35.7	16.46	21	35.7	A5		C8	9763	C -3512991
63		6.6T	49 29.092	0.0001	08	-30 47 43.73	-0.025	09	0.53	29.088	14	91.7	42.25	17	90.1	B8		GC	25881	C -3016356
64	9.0	7.8W	49 34.835	-0.0042	21	-34 37 0.37	0.004	21	0.44	34.913	22	31.7	0.45	21	31.7	K2		C7	10240	C -3413185
65	10.9	9.6W	49 36.694	0.0007	21	-34 10 12.57	-0.013	21	0.44	36.682	22	31.7	12.33	21	31.7	K0	L	C7	10241	C -3413187
66	11.2	10.4W	49 43.021	-0.0017	21	-34 36 56.81	0.007	21	0.44	43.053	22	31.7	56.94	21	31.7	K2	L	C7	10242	C -3413188
67	10.2	9.6W	49 44.428	-0.0046	08	-36 14 4.57	-0.036	08	0.22	44.495	15	35.7	4.06	21	35.7	G5		C8	9765	C -3613091
68	10.8	9.8W	49 46.981	-0.0010	21	-31 24 49.27	0.007	21	0.44	46.999	22	31.7	49.40	21	31.7			C7	10243	C -3116084
69	10.0	8.7W	49 47.452	-0.0003	21	-30 20 36.16	-0.016	21	0.44	47.458	22	31.7	35.87	21	31.7	K2		C7	10244	C -3016366
70	10.7	9.9W	49 47.884	-0.0008	21	-30 38 3.78	0.001	21	0.44	47.899	22	31.7	3.80	21	31.7			C7	10245	C -3016365
71	9.4	9.4W	49 48.557	-0.0002	21	-33 16 21.69	0.051	21	0.44	48.561	22	31.7	22.63	21	31.7	A5		C7	10246	C -3313668
72	10.8	10.0W	49 48.664	0.0002	21	-33 15 24.38	-0.058	21	0.44	48.661	22	31.7	23.33	21	31.7			C7	10247	C -3313667
73	10.0	10.5W	49 49.186	-0.0024	21	-32 45 26.66	-0.024	21	0.44	49.231	22	31.7	26.23	21	31.7	A0		C7	10248	C -3214614
74	10.4	9.5W	49 57.408	0.0031	13	-36 28 56.57	-0.043	13	0.26	57.364	15	35.7	55.96	21	35.7	K2		C8	9767	C -3613092
75	10.4	10.1W	50 0.896	-0.0017	21	-30 12 44.53	-0.025	21	0.44	0.928	22	31.7	44.07	21	31.7	G0	L	C7	10249	C -3016371
76		7.0T	50 1.107	-0.0016	15	-37 20 9.61	-0.018	13	0.74	1.187	21	01.3	8.66	21	98.5	A0		GC	25892	C*-3712939
77	10.4	9.5W	50 2.454	-0.0042	13	-35 57 21.67	0.013	13	0.26	2.515	15	35.7	21.86	21	35.7	K0	L	C8	9770	C -3613094
78	9.9	9.6W	50 2.812	0.0029	21	-31 21 15.49	0.006	21	0.44	2.759	22	31.7	15.60	21	31.7	F8		C7	10250	C -3116088
79	9.7	8.8W	50 4.304	-0.0021	21	-34 40 39.71	-0.009	21	0.44	4.343	22	31.7	39.55	21	31.7	K2		C7	10251	C -3413192
80	10.2	10.0W	50 8.075	0.0007	18	-37 38 57.03	-0.005	18	0.32	8.065	15	35.7	56.96	21	35.7	F8	L	C8	9771	C -3712941
81	10.5	9.6W	50 17.779	-0.0010	21	-30 27 22.27	0.022	21	0.44	17.798	22	31.7	22.67	21	31.7	K0	L	C7	10253	C -3016379
82	11.0	9.7W	50 21.822	-0.0022	21	-32 43 45.62	-0.033	21	0.44	21.861	22	31.7	45.03	21	31.7	K0	L	C7	10254	C -3214627
83	10.3	9.0W	50 24.788	-0.0005	13	-38 2 21.74	-0.013	13	0.26	24.795	15	35.7	21.56	21	35.7	K5		C8	9772	C -3813177
84	9.8	9.8W	50 25.268	-0.0039	21	-31 11 7.01	0.021	21	0.44	25.339	22	31.7	7.40	21	31.7	A5		C7	10255	C -3116095
85		6.9T	50 25.506	0.0009	13	-36 21 1.16	-0.034	12	0.65	25.462	18	00.9	-59.42	18	98.1	A3		GC	25902	C -3613101
86		7.1T	50 26.463	0.0028	11	-32 3 15.91	-0.009	09	0.57	26.318	15	98.2	15.41	15	94.9	K5		GC	25903	C -3214628
87	10.5	9.8W	50 26.741	-0.0014	21	-30 15 52.83	0.057	21	0.44	26.768	22	31.7	53.87	21	31.7	K0	L	C7	10257	C -3016383
88	10.9	9.5W	50 30.366	0.0005	21	-30 9 5.29	-0.012	21	0.44	30.358	22	31.7	5.07	21	31.7	K2	L	C7	10258	C -3016384
89	9.8	9.8W	50 34.159	0.0003	18	-38 23 24.64	0.008	18	0.32	34.155	15	35.7	24.76	21	35.7	F0	L	C8	9774	C -3813180
90	9.2	9.4W	50 37.886	-0.0002	21	-31 46 13.95	-0.002	21	0.44	37.889	22	31.7	13.91	21	31.7	A3		C7	10259	C -3116098
91	11.0	9.4W	50 38.632	-0.0000	21	-34 56 29.74	-0.027	21	0.44	38.633	22	31.7	29.25	21	31.7	K2	L	C7	10260	C -3513008
92	9.2	9.9W	50 38.681	-0.0022	21	-33 48 48.39	0.002	21	0.44	38.722	22	31.7	48.43	21	31.7	A0		C7	10261	C -3313685
93	9.0	8.9W	50 46.486	-0.0002	21	-32 14 42.90	-0.026	21	0.44	46.489	22	31.7	42.41	21	31.7	F5		C7	10262	C -3214636
94	9.9	8.5W	50 47.169	0.0011	21	-31 15 42.87	0.018	21	0.44	47.149	22	31.7	43.20	21	31.7	K2		C7	10263	C -3116105
95	9.9	8.9W	50 49.962	-0.0022	13	-35 48 2.06	0.000	13	0.26	49.994	15	35.7	2.06	21	35.7	K0		C8	9775	C -3513011
96	9.7	9.3W	51 3.342	0.0026	13	-35 13 27.40	-0.031	13	0.26	3.304	15	35.7	26.96	21	35.7	F5		C8	9776	C -3513012
97	9.0	8.9W	51 6.641	-0.0004	13	-39 59 31.00	-0.017	13	0.26	6.647	15	35.7	30.76	21	35.7	F2		C8	9777	C -4012915
98	9.5	8.6W	51 10.608	0.0015	13	-39 37 32.11	0.010	13	0.26	10.587	15	35.7	32.26	21	35.7	K0		C8	9778	C -3912976
99	9.3	9.2W	51 13.713	0.0018	21	-32 29 46.88	-0.014	21	0.44	13.679	22	31.7	46.61	21	31.7	F5		C7	10264	C -3214645
00	8.6	9.3W	51 15.247	-0.0040	21	-31 41 41.30	0.023	21	0.44	15.319	22	31.7	41.71	21	31.7	B9		C7	10265	C -3116108

210700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 18H DM NUMBER
1	9.7	10.0W	18 51 16.101	0.0001	21	-30 38 48.71	0.070	21	0.44	16.099	22	31.7	50.90	21	31.7	A0	C7	10266	C -3016396
2	10.3	10.3W	51 23.843	0.0023	21	-34 9 54.62	-0.049	21	0.44	23.802	22	31.7	53.73	21	31.7	F2 L	C7	10267	C -3413215
3	9.7	8.9W	51 26.124	0.0053	21	-30 13 5.09	0.026	21	0.44	26.028	22	31.7	5.57	21	31.7	G5	C7	10268	C -3016401
4	8.0	8.5W	51 26.526	-0.0028	21	-31 11 32.36	0.013	21	0.44	26.579	22	31.7	32.60	21	31.7	A0	C7	10269	C -3116111
5	10.4	9.3W	51 26.849	-0.0011	21	-31 15 43.93	-0.018	21	0.44	26.869	22	31.7	43.60	21	31.7		C7	10270	C -3116119
6	9.1	8.5W	51 35.100	-0.0038	08	-35 47 49.27	-0.148	08	0.22	35.154	15	35.7	47.16	21	35.7	G5	C8	9779	C -3513018
7	8.4	8.3W	51 38.512	-0.0002	06	-36 34 51.47	0.006	06	0.20	38.515	15	35.7	51.56	21	35.7	A3	C8	9780	C -3613120
8	8.6	8.5W	51 40.954	-0.0007	13	-35 11 7.17	0.013	13	0.26	40.964	15	35.7	7.36	21	35.7	F0	C8	9782	C -3513020
9	8.4	8.7W	51 40.987	0.0008	13	-39 18 57.86	-0.007	13	0.26	40.976	15	35.7	57.76	21	35.7	A0	C8	9783	C -3912901
10	10.1	9.1W	51 49.016	-0.0019	21	-34 9 6.55	-0.023	21	0.44	49.052	22	31.7	6.13	21	31.7	G5	C7	10271	C -3413222
11	8.2	8.4W	51 49.597	0.0001	18	-38 38 34.88	-0.023	18	0.32	49.596	15	35.7	34.56	21	35.7	A3	C8	9784	C -3813194
12	9.7	9.4W	51 50.219	0.0015	21	-33 50 4.97	0.003	21	0.44	50.192	22	31.7	5.03	21	31.7	G0	C7	10272	C -3313710
13	8.6	8.0W	51 54.494	0.0111	07	-37 33 28.22	-0.354	07	0.21	54.335	15	35.7	23.16	21	35.7	G5	C8	9785	C -3712969
14	8.5	8.4W	51 57.896	-0.0024	21	-32 31 6.39	0.045	21	0.44	57.941	22	31.7	7.23	21	31.7	F5	C7	10273	C -3214661
15	11.3	10.1W	51 59.485	-0.0046	21	-31 23 14.40	0.060	21	0.44	59.569	22	31.7	15.50	21	31.7		C7	10274	C -3116121
16		6.6T	52 0.095	0.0015	11	-37 27 4.99	-0.007	07	0.54	0.016	19	96.0	4.52	18	87.8	K0	GC	25936	C -3712970
17	8.6	8.3W	52 5.270	-0.0022	21	-32 36 1.16	0.058	21	0.44	5.311	22	31.7	2.23	21	31.7	G0	C7	10275	C -3214663
18	11.7	10.1W	52 14.928	0.0017	21	-30 9 3.88	0.081	21	0.44	14.898	22	31.7	5.37	21	31.7		C7	10276	C -3016419
19	9.7	8.9W	52 17.155	-0.0026	21	-34 42 34.30	0.019	21	0.44	17.203	22	31.7	34.65	21	31.7	K0	C7	10277	C -3413225
20	8.4	8.9W	52 18.076	0.0025	21	-32 5 17.99	0.007	21	0.44	18.029	22	31.7	18.11	21	31.7	B9	C7	10278	C -3214669
21	10.1	9.3W	52 18.555	-0.0015	21	-34 40 55.40	0.057	21	0.44	18.583	22	31.7	56.44	21	31.7	K0 L	C7	10279	C -3413226
22	9.3	8.9W	52 21.470	-0.0046	13	-39 27 49.97	-0.050	13	0.26	21.536	15	35.7	49.26	21	35.7	G0	C8	9789	C -3912993
23	10.3	8.9W	52 25.581	-0.0031	09	-36 38 30.40	-0.024	09	0.22	25.625	15	35.7	30.06	21	35.7	K5	C8	9790	C -3613135
24	10.3	9.4W	52 31.644	0.0007	21	-33 30 21.03	-0.011	21	0.44	31.632	22	31.7	20.83	21	35.7	K2 L	C7	10280	C -3313721
25	9.9	9.5W	52 38.508	-0.0054	18	-38 10 34.36	-0.028	18	0.32	38.585	15	35.7	33.96	21	35.7	G2 L	C8	9791	C -3813209
26	8.1	7.5W	52 42.257	0.0009	21	-33 19 24.65	0.020	21	0.44	42.241	22	31.7	25.03	21	31.7	G5	C7	10281	C -3313724
27	9.8	9.6W	52 46.693	-0.0008	18	-36 56 28.13	-0.026	18	0.32	46.705	15	35.7	27.76	21	35.7	F0	C8	9792	C -3712978
28	9.2	9.3W	52 50.625	0.0002	21	-34 23 1.22	-0.005	21	0.44	50.622	22	31.7	1.13	21	31.7	A5	C7	10282	C -3413231
29	9.9	8.3W	52 55.508	-0.0025	13	-36 27 4.16	-0.049	13	0.26	55.545	15	35.7	3.46	21	35.7	K5	C8	9793	C -3613140
30	8.5	8.9W	52 59.485	0.0008	11	-35 56 15.97	-0.008	11	0.24	59.474	15	35.7	15.86	21	35.7	B9	C8	9794	C -3613143
31	9.2	9.1W	53 0.464	0.0029	21	-34 22 46.62	-0.136	21	0.44	0.412	22	31.7	44.13	21	31.7	G0	C7	10283	C -3413233
32	7.9	7.7W	53 3.223	0.0045	21	-33 20 7.66	-0.057	21	0.44	3.141	22	31.7	6.63	21	31.7	G0	C7	10284	C -3313727
33		6.6T	53 13.251	0.0007	12	-31 45 16.95	0.002	10	0.60	13.216	17	99.3	17.05	17	96.1	G5	GC	25970	C -3116152
34		5.4T	53 17.127	0.0007	06	-37 24 32.49	-0.025	06	0.27	17.100	10	09.0	31.37	10	05.8	B5	GC	25973	C*-3712982
35	9.1	8.8W	53 17.714	0.0079	21	-30 57 40.93	0.042	21	0.44	17.569	22	31.7	41.70	21	31.7	G5	C7	10286	C -3116155
36	8.3	7.6W	53 19.853	0.0004	13	-39 34 25.57	-0.001	13	0.26	19.847	15	35.7	25.56	21	35.7	G0	C8	9796	C -3913005
37	8.3	8.6W	53 21.986	-0.0000	10	-38 47 11.72	-0.011	10	0.23	21.986	15	35.7	11.56	21	35.7	B9	C8	9797	C -3813217
38	10.0	8.5W	53 22.060	0.0021	21	-33 30 52.92	-0.005	21	0.44	22.022	22	31.7	52.83	21	31.7	K5	C7	10287	C -3313731
39	10.1	10.0W	53 22.630	-0.0024	13	-36 33 18.28	-0.058	13	0.26	22.664	15	35.7	32.36	21	35.7	A2	C8	9798	C -3613151
40	10.1	8.6W	53 25.886	-0.0006	13	-35 22 0.26	-0.042	13	0.26	25.894	15	35.7	59.66	21	35.7	K5	C8	9799	C -3513033
41	8.8	8.8W	53 27.721	-0.0010	09	-37 55 36.76	0.000	09	0.22	27.735	15	35.7	36.76	21	35.7	A2	C8	9800	C -3813218
42	9.6	9.3W	53 28.655	-0.0014	21	-33 25 12.90	-0.059	21	0.44	28.681	22	31.7	11.83	21	31.7	G0	C7	10288	C -3313734
43	10.5	10.2W	53 31.528	-0.0040	13	-36 42 42.36	-0.007	13	0.26	31.585	15	35.7	42.26	21	35.7	F5 L	C8	9801	C -3613154
44	9.3	8.9W	53 35.230	-0.0004	21	-30 5 39.97	-0.071	21	0.44	35.238	22	31.7	38.67	21	31.7	G0	C7	10289	C -3016448
45	10.0	10.1W	53 36.591	-0.0026	21	-31 1 10.45	0.052	21	0.44	36.639	22	31.7	11.40	21	31.7	A2	C7	10291	C -3116160
46	9.2	8.3W	53 36.665	0.0041	21	-32 25 9.96	-0.013	21	0.44	36.589	22	31.7	9.71	21	31.7	G5	C7	10290	C -3214693
47		7.0T	53 38.282	0.0030	13	-38 58 50.79	-0.013	12	0.69	38.133	21	99.7	50.10	19	95.6	K0	GC	25984	C*-3913007
48	8.0	8.2W	53 38.546	0.0024	21	-33 11 23.07	-0.003	21	0.44	38.501	22	31.7	23.03	21	31.7	A3	C7	10292	C -3313736
49		7.2T	53 39.938	-0.0003	11	-33 23 45.38	-0.022	12	0.64	39.954	15	95.1	44.19	17	96.1	B9	GC	25985	C -3313737
50		8.8T	53 40.698	0.0021	13	-33 22 56.94	-0.029	13	0.72	40.591	18	98.9	55.43	19	98.3		GC	25986	C -3313738
51	9.5	9.2W	18 53 42.488	0.0072	08	-36 48 56.83	-0.047	08	0.22	42.385	15	35.7	56.16	21	35.7	F8	C8	9803	C -3613156
52	9.6	9.2W	53 46.638	0.0065	08	-36 49 23.33	-0.068	08	0.22	48.545	15	35.7	22.36	21	35.7	F8	C8	9804	C -3613160
53	9.7	9.5W	53 51.747	-0.0034	18	-38 52 5.57	-0.043	18	0.32	51.796	15	35.7	4.96	21	35.7	F5 L	C8	9805	C -3813220
54		6.4T	54 6.607	0.0032	13	-39 53 27.29	0.030	12	0.67	6.450	19	00.2	28.89	18	97.2	A3	GC	26005	C -3913012
55	9.6	8.8W	54 10.438	0.0020	21	-33 33 45.51	-0.021	21	0.44	10.402	22	31.7	45.13	21	31.7	G5	C7	10295	C -3313752
56	9.4	9.5W	54 15.804	-0.0036	21	-32 40 18.07	-0.003	21	0.44	15.871	22	31.7	18.03	21	31.7	A3	C7	10296	C -3214702
57	10.3	9.2W	54 19.332	-0.0007	21	-30 57 45.48	-0.032	21	0.44	19.319	22	31.7	44.90	21	31.7	K0	C7	10297	C -3116180
58	11.3	9.5W	54 21.107	-0.0002	21	-33 7 48.49	-0.031	21	0.44	21.111	22	31.7	47.93	21	31.7		C7	10298	C -3313757
59	10.0	9.2W	54 31.305	-0.0022	18	-36 22 0.44	0.001	18	0.32	31.274	15	35.7	0.46	21	35.7	K0	C8	9807	C -3613173
60	10.6	9.1W	54 40.096	-0.0034	13	-35 11 52.62	-0.032	13	0.26	40.144	15	35.7	52.16	21	35.7	K2	C8	9810	C -3513053
61			54 42.518	0.0002	13	-36 43 3.14	-0.006	13	0.26	42.515	15	35.7	3.06	21	35.7		C8	9812	C -3613176
62	9.5	8.6W	54 44.205	-0.0048	13	-35 48 45.71	0.010	13	0.26	44.274	15	35.7	45.86	21	35.7	G5	C8	9813	C -3513054
63	9.2	9.4W	54 46.528	-0.0027	13	-39 40 16.39	-0.044	13	0.26	46.567	15	35.7	15.76	21	35.7	A2	C8	9814	C -3913019
64	8.6	8.9W	54 47.180	0.0003	10	-39 1 8.26	-0.042	10	0.23	47.176	15	35.7	7.66	21	35.7	A0	C8	9815	C -3913020
65	8.9	8.0W	54 51.581	-0.0005	21	-31 52 48.64	-0.045	21	0.44	51.589	22	31.7	47.81	21	31.7	K2	C7	10299	C -3116184
66	9.2	7.5W	54 51.799	-0.0032	09	-37 23 5.20	-0.031	09	0.22	51.845	15	35.7	4.76	21	35.7	K5	C8	9816	C -3712995
67	9.5	8.4W	54 53.431	0.0017	21	-32 18 53.58	-0.020	21	0.44	53.399	22	31.7	53.21	21	31.7	K2	C7	10300	C -3214716
68		7.4T	54 54.006	0.0010	07	-30 53 33.39	-0.014	07	0.34	53.964	14	06.2	32.74	14	03.3	F5	GC	26021	C*-3016468
69	8.6	9.0W	54 55.570	-0.0006	21	-34 20 15.22	-0.038	21	0.44	55.582	22	31.7	14.53	21	31.7	B9	C7	10302	C -3413269
70	9.5	9.3W	54 57.989	0.0004	18	-34 56 30.26	0.027	18	0.32	57.984	15	35.7	30.65	21	35.7	F5	C8	9817	C -3513061
71	8.2	7.3W	55 2.697	0.0004	21	-32 14 36.21	-0.076	21	0.44	2.689	22	31.7	34.81	21	31.7	K0	C7	10304	C -3214722
72	8.1	8.3W	55 8.548	-0.0013	21	-34 54 13.39	-0.052	21	0.44	8.573	22	31.7	12.44	21	31.7	A0	C7	10305	C -3413275
73		6.1T	55 8.642	-0.0034	11	-31 6 13.25	-0.055	09	0.56	8.828	17	95.8	10.14	17	93.2	K0	GC	26029	C -3116189
74	9.8	10.0W	55 9.171	-0.0027	21	-32 36 23.73	0.005	21	0.44	9.221	22	31.7	23.83	21	31.7	A5	C7	10307	C -3214725
75	9.2	8.9W	55 9.388	-0.0074	09	-35 57 25.74	0.008	09	0.22	9.494	15	35.7	25.86	21	35.7	F8	C8	9819	C -3613186
76		7.2T	55 9.948	0.0010	16	-34 16 57.42	0.016	13	0.76	9.898	19	00.8	58.24	19	97.9	B9	GC	26033	C -3413276
77	8.3	8.3W	55 12.912	0.0011	21	-32 55 45.26	-0.013	21	0.44	12.891	22	31.7	45.03	21	31.7	A3	C7	10309	C -3313775
78	10.6	9.5W	55 14.106	-0.0028	18	-38 37 0.93	-0.005	18	0.32	14.146	15	35.7	0.86	21	35.7	K0 L	C8	9820	C -3813224
79	9.5	9.5W	55 14.972	0.0001	21	-32 41 8.00	0.034	21	0.44	14.971	22	31.7	8.63	21	31.7	F8	C7	10310	C -3214726
80	10.3	9.1W	55 18.148	0.0006	21	-30 19 50.73	0.013	21	0.44	18.138	22	31.7	50.97	21	31.7	K2	C7	10311	C -3016477
81		4.9T	55 21.108	-0.0107	06	-37 10 27.98	-0.097	04	0.19	21.551	06	08.7	23.81	06	07.2	F5	GC	26038	C*-3713001
82	10.4	9.2W	55 23.116	-0.0003	21	-34 14 45.14	-0.006	21	0.44	23.122	22	31.7	45.03	21	31.7		C7	10312	C -3413279
83	9.2	8.7W	55 26.959	-0.0011	21	-30 51 37.60	0.022	21	0.44	26.979	22	31.7	38.00	21	31.7	K0	C7	10313	C -3016479
84	9.0	9.2W	55 27.774	-0.0030	13	-39 38 51.17	-0.029	13	0.26	27.817	15	35.7	50.76	21	35.7	A0	C8	9822	C -3913027
85		7.6T	55 32.923	0.0029	16	-36 2 0.78	0.000	12	0.69	32.785	18	02.5	0.81	15	00.7	F0	GC	26041	C -3613192
86		6.5T	55 43.800	0.0007	16	-39 36 12.19	-0.034	13	0.74	43.764	21	02.5	10.49	19	99.2	A0	GC	26044K	C -3913032
87	9.6	9.1W	55 55.760	0.0005	21	-33 58 46.64	0.010	21	0.44	55.752	22	31.7	46.83	21	31.7	G5	C7	10314	C -3413289
88	10.4	9.7W	55 59.335	0.0007	21	-33 1 13.31	0.006	21	0.44	59.321	22	31.7	13.43	21	31.7	K0 L	C7	10315	C -3313794
89	8.9	9.0W	55 59.900	-0.0006	21	-33 33 12.44	-0.006	21	0.44	59.912	22	31.7	12.33	21	31.7	A3	C7	10316	C -3313795
90	8.7	8.6W	56 3.695	0.0001	13	-35 58 55.69	0.012	13	0.26	3.694	15	35.7	55.86	21	35.7	F0	C8	9825	C -3613198
91	9.2	8.9W	56 21.153	-0.0043	09	-36 51 26.40	-0.052	09	0.22	21.215	15	35.7	25.66	21	35.7	F5	C8	9826	C -3613204
92	9.0	9.0W	56 21.511	-0.0006	21	-33 10 33.88	0.024	21	0.44	21.521	22	31.7	34.33	21	31.7	A5	C7	10317	C -3313802
93	10.6	10.1W	56 24.578	-0.0047	18	-38 17 9.54	0.001	18	0.32	24.645	15	35.7	9.56	21	35.7	G0 L	C8	9827	C -3813254
94	8.7	8.1W	56 26.179	0.0009	21	-34 32 22.45	-0.017	21	0.44	26.163	22	31.7	22.14	21	31.7	K0	C7	10318	C -3413301
95	9.7E	8.7Z	56 27.543	-0.0006	12	-39 59 0.87	0.005	12	0.86	27.574	63	98.7	1.13	57	98.7	G5	CZ	17860	F -40 8715
96	9.1	8.1W	56 33.245	-0.0009	21	-34 0 39.41	0.028	21	0.44	33.262	22	31.7	39.93	21	31.7	G5	C7	10319	C -3413302
97	9.0	9.1W	56 34.901	-0.0005	21	-32 27 31.38	0.035	21	0.44	34.909	22	31.7	32.01	21	31.7	A5	C7	10320	C -3214749
98	8.1	8.6W	56 47.999	0.0021	21	-32 22 33.00	-0.010	21	0.44	47.959	22	31.7	32.81	21	31.7	A0	C7	10321	C -3214755
99	8.6	8.9W	56 49.792	-0.0044	21	-34 58 54.21	-0.009	21	0.44	49.803	22	31.7	54.05	21	31.7	A3	C7	10323	C -3513081
00	8.0	7.9W	56 49.824	-0.0014	21	-32 19 32.76	-0.024	21	0.44	49.849	22	31.7	32.31	21	31.7	F8	C7	10322	C -3214756

210800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.6W	18 56 49.874	-0.0018	21	-30 6 29.29	0.037	21	0.44	49.908	22	31.7	29.97	21	31.7	K0	C7	10324	C -3016516
2	10.0	9.6W	56 52.529	-0.0011	18	-37 19 56.27	-0.155	18	0.32	52.545	15	35.7	54.06	21	35.7	G2 L	C8	9828	C -3713012
3	8.7	9.0W	56 59.580	0.0018	13	-36 20 7.80	-0.031	13	0.26	59.554	15	35.7	7.36	21	35.7	A5	C8	9829	C -3613211
4	8.7	9.0W	57 0.180	0.0004	13	-36 20 8.26	-0.021	13	0.26	0.174	15	35.7	7.96	21	35.7	A2 L	C8	9830	C -3613211
5	8.8	7.9W	57 2.627	-0.0002	21	-32 56 41.20	0.001	21	0.44	2.631	22	31.7	41.23	21	31.7	K0	C7	10325	C -3313814
6		8.9T	57 3.361	-0.0002	26	-33 40 49.79	0.009	18	0.99	3.368	21	07.3	50.18	19	04.8	A0	GC	26084	C -3313815
7	9.4	8.6W	57 8.366	-0.0019	21	-34 5 33.35	-0.012	21	0.44	8.402	22	31.7	33.13	21	31.7	K0	C7	10327	C -3413309
8	9.0	8.4W	57 9.970	0.0011	21	-32 18 40.65	-0.029	21	0.44	9.949	22	31.7	40.11	21	31.7	G5	C7	10328	C -3214761
9	9.1	8.4W	57 16.141	-0.0005	21	-32 11 44.57	-0.008	21	0.44	16.149	22	31.7	44.41	21	31.7	G5	C7	10329	C -3214762
10	8.0	8.2W	57 20.653	0.0025	13	-39 39 3.62	-0.060	13	0.26	20.617	15	35.7	2.76	21	35.7	A0	C8	9831	C -3913050
11	8.7	7.7W	57 26.159	0.0009	13	-39 8 38.51	-0.039	13	0.26	26.146	15	35.7	37.96	21	35.7	K0	C8	9832	C -3913054
12	8.7	8.4W	57 30.524	0.0017	21	-34 57 2.96	0.010	21	0.44	30.493	22	31.7	3.15	21	31.7	G5	C7	10330	C -3513094
13	9.6	9.5W	57 33.618	-0.0035	21	-32 49 33.10	0.023	21	0.44	33.681	22	31.7	33.53	21	31.7	F8	C7	10331	C -3214765
14	10.8	9.1W	57 35.392	-0.0057	13	-35 48 11.57	0.034	13	0.26	35.475	15	35.7	12.06	21	35.7	MA	C8	9833	C -3513095
15		6.8T	57 40.559	0.0009	13	-37 7 54.35	-0.019	11	0.68	40.515	21	99.0	53.27	19	94.7	B8	GC	26099K	C -3713017
16		6.6T	57 41.647	0.0008	13	-37 7 57.94	-0.039	11	0.69	41.608	21	99.0	55.76	19	94.9	B8	GC	26100K	C -3713018
17		7.3T	57 43.799	0.0028	12	-33 18 9.51	0.023	12	0.64	43.657	18	99.3	10.67	18	99.2	F0	GC	26102	C -3313827
18	9.5	9.4W	57 51.413	-0.0016	13	-39 1 17.87	-0.050	13	0.26	51.436	15	35.7	17.16	21	35.7	F0	C8	9837	C -3913061
19	9.5	8.7W	57 51.469	-0.0003	13	-36 2 24.53	-0.033	13	0.26	51.474	15	35.7	24.06	21	35.7	K0	C8	9838	C -3613225
20	11.5	10.2W	58 0.691	-0.0036	13	-35 9 6.60	0.011	13	0.26	0.744	15	35.7	6.76	21	35.7		C8	9841	C -3513102
21	9.4	9.7W	58 2.185	-0.0042	21	-34 57 45.20	0.013	21	0.44	2.263	22	31.7	45.45	21	31.7	A5 L	C7	10333	C -3513103
22	9.2	9.2W	58 4.439	-0.0004	08	-35 6 47.94	-0.076	08	0.22	4.444	15	35.7	46.86	21	35.7	F0	C8	9842	C -3513104
23	10.5	9.5W	58 8.809	0.0024	13	-35 5 45.87	-0.043	13	0.26	8.774	15	35.7	45.26	21	35.7		C8	9844	C -3513105
24	8.1	8.0W	58 9.049	-0.0018	21	-34 34 28.81	0.007	21	0.44	9.083	22	31.7	28.95	21	31.7	F2	C7	10334	C -3413321
25	8.4	8.2W	58 10.536	-0.0019	21	-34 26 52.50	-0.086	21	0.44	10.572	22	31.7	50.93	21	31.7	F5	C7	10335	C -3413322
26	9.1	9.0W	58 15.538	0.0031	13	-36 18 29.90	0.032	13	0.26	15.494	15	35.7	30.36	21	35.7	F0	C8	9845	C -3613232
27	9.1	9.3W	58 15.981	0.0011	21	-32 55 17.52	0.000	21	0.44	15.961	22	31.7	17.53	21	31.7	F0	C7	10336	C -3313839
28		6.9T	58 16.582	0.0008	15	-36 57 44.95	-0.035	13	0.73	16.545	21	01.3	43.12	21	98.4	A0	GC	26118	C -3713023
29			58 18.546	0.0008	07	-36 56 51.87	-0.043	07	0.21	18.535	15	35.7	51.26	21	35.7	B2	C8	9847X	C -3713024
30	9.9	10.6W	58 20.504	0.0004	21	-30 29 3.06	0.055	21	0.44	20.498	22	31.7	4.07	21	31.7	A0	C7	10337	C -3016556
31	9.8	10.2W	58 24.804	-0.0029	21	-30 28 46.96	0.033	21	0.44	24.858	22	31.7	47.57	21	31.7	A0	C7	10339	C -3016558
32	9.2	9.1W	58 24.883	0.0034	21	-34 6 7.99	-0.025	21	0.44	24.822	22	31.7	7.53	21	31.7	G0	C7	10338	C -3413329
33	7.8	8.1W	58 25.929	-0.0003	23	-35 56 27.78	0.047	23	0.38	25.934	15	35.7	28.46	21	35.7	A0	C8	9848	C -3613236
34	9.1	9.0W	58 28.485	-0.0000	23	-36 44 11.96	-0.056	23	0.38	28.485	15	35.7	11.16	21	35.7	A0	C8	9849	C -3613235
35	9.8	8.9W	58 28.941	-0.0003	18	-38 1 30.30	-0.010	18	0.32	28.945	15	35.7	30.16	21	35.7	G5	C8	9850	C -3813279
36	8.5	7.7W	58 37.529	0.0020	21	-32 40 11.22	0.038	21	0.44	37.491	22	31.7	11.93	21	31.7	G5	C7	10340	C -3214781
37	8.5	8.5W	58 37.680	-0.0023	21	-34 52 31.24	0.027	21	0.44	37.723	22	31.7	31.74	21	31.7	F2	C7	10341	C -3413330
38	8.9	8.5W	58 39.549	0.0030	13	-39 21 43.67	-0.057	13	0.26	39.506	15	35.7	42.86	21	35.7	G5	C8	9853	C -3913077
39	9.3	9.2W	58 40.569	-0.0066	21	-31 33 23.14	-0.001	21	0.44	40.689	22	31.7	23.11	21	31.7	F5	C7	10342	C -3116259
40	8.3	8.4W	58 45.381	-0.0009	15	-36 26 2.26	-0.049	15	0.28	45.395	15	35.7	1.56	21	35.7	A0	C8	9854	C -3613242
41	9.5	9.8W	58 45.788	-0.0053	13	-35 47 43.66	-0.007	13	0.26	45.865	15	35.7	43.56	21	35.7	A0	C8	9855	C -3513116
42	10.4	9.3W	58 46.961	0.0006	21	-32 14 47.79	0.029	21	0.44	46.949	22	31.7	48.31	21	31.7		C7	10343	C -3214783
43	8.1	7.0W	58 48.962	0.0019	06	-35 4 45.53	-0.075	06	0.20	48.934	15	35.7	44.46	21	35.7	G5	C8	9856	C -3513118
44	9.0	9.1W	58 50.026	-0.0020	18	-35 24 2.76	-0.035	18	0.32	50.054	15	35.7	2.26	21	35.7	F0	C8	9857	C -3513119
45	9.1	9.0W	58 53.375	-0.0030	21	-32 15 14.07	-0.145	21	0.44	53.429	22	31.7	11.41	21	31.7	G0	C7	10344	C -3214786
46	10.7	9.1W	59 0.836	-0.0013	10	-37 54 9.68	-0.016	10	0.23	0.855	15	35.7	9.46	21	35.7	K5	C8	9858	C -3813289
47	8.7	8.4W	59 6.339	-0.0025	13	-35 13 15.76	-0.028	13	0.26	6.374	15	35.7	15.36	21	35.7	F0	C8	9859	C -3513127
48	8.5	8.0W	59 10.323	0.0046	21	-31 0 38.10	-0.011	21	0.44	10.239	22	31.7	37.90	21	31.7	K0	C7	10345	C -3116267
49	9.5	9.0W	59 10.346	-0.0006	13	-38 4 25.36	-0.098	13	0.26	10.355	15	35.7	23.96	21	35.7	G5	C8	9860	C -3813293
50	9.9	9.1W	59 11.366	0.0001	13	-35 21 15.32	-0.032	13	0.26	11.364	15	35.7	14.86	21	35.7	K0	C8	9861	C -3513128
51	10.0	8.3W	18 59 12.531	-0.0031	13	-38 21 27.68	0.005	13	0.26	12.575	15	35.7	27.76	21	35.7	MA	C8	9862	C -3813294
52		7.2T	59 14.194	0.0006	14	-34 42 18.28	-0.005	12	0.69	14.165	18	01.1	18.01	18	99.3	B9	GC	26149	C -3413335
53		7.2T	59 21.818	0.0021	13	-36 10 10.89	-0.005	13	0.70	21.711	19	99.3	10.65	19	98.6	A0	GC	26156K	C*-3613248
54	9.7	7.9W	59 22.026	-0.0006	13	-36 43 52.44	-0.041	13	0.26	22.035	15	35.7	51.86	21	35.7	MA	C8	9864	C -3613249
55	8.7	8.9W	59 44.737	0.0016	21	-30 25 9.41	-0.008	21	0.44	44.708	22	31.7	9.27	21	31.7	F0	C7	10348	C -3016580
56	7.8	8.1W	59 46.944	0.0024	21	-32 49 9.69	-0.020	21	0.44	46.901	22	31.7	9.33	21	31.7	A0	C7	10349	C -3214800
57	10.1	9.0W	59 47.639	-0.0032	13	-35 27 33.00	0.004	13	0.26	47.684	15	35.7	33.06	21	35.7	K0	C8	9867	C -3513141
58	10.4	10.0W	59 48.725	-0.0000	18	-37 33 35.50	-0.010	18	0.32	48.725	15	35.7	35.36	21	35.7	A5 L	C8	9868	C -3713034
59		5.7T	59 52.986	0.0011	09	-38 19 38.22	0.010	08	0.39	52.943	12	09.7	38.62	12	07.8	F0	GC	26177	C -3813300
60	10.6	9.8W	19 0 3.289	-0.0011	21	-31 27 2.91	-0.017	21	0.44	3.309	22	31.7	2.60	21	31.7	G5 L	C7	10350	C -3116283
61	10.0	9.2W	0 7.623	-0.0027	21	-32 35 39.73	-0.028	21	0.44	7.671	22	31.7	39.23	21	31.7	K2	C7	10351	C -3214804
62	8.8	8.0W	0 9.779	0.0043	13	-39 31 49.55	-0.021	13	0.26	9.717	15	35.7	49.26	21	35.7	G5	C8	9870	C -3913083
63	9.8	8.8W	0 17.992	-0.0004	21	-30 49 30.43	0.031	21	0.44	17.999	22	31.7	31.00	21	31.7	K0	C7	10352	C -3016589
64	8.9	7.8W	0 19.850	0.0015	21	-34 58 29.29	0.003	21	0.44	19.823	22	31.7	29.35	21	31.7	K2	C7	10353	C -3513145
65	9.5	9.1W	0 23.430	0.0040	21	-30 12 31.94	-0.004	21	0.44	23.358	22	31.7	31.87	21	31.7	G5	C7	10354	C -3016591
66	9.0	9.2W	0 32.784	-0.0014	21	-31 42 45.54	0.004	21	0.44	32.809	22	31.7	45.61	21	31.7	A2	C7	10355	C -3116293
67		8.8T	0 34.093	-0.0002	13	-38 8 30.50	-0.054	11	0.49	34.101	18	13.4	28.37	17	10.8	G0	GC	26196K	C*-3813306
68	9.6	9.1W	0 34.538	0.0045	13	-36 12 7.46	-0.049	13	0.26	34.474	15	35.7	6.76	21	35.7	G0	C8	9874	C -3613261
69	9.6	9.7W	0 36.758	-0.0033	21	-30 44 10.72	-0.045	21	0.44	36.819	22	31.7	9.90	21	31.7	A5	C7	10356	C -3016594
70	9.5	9.7W	0 38.660	-0.0031	21	-30 1 19.38	0.065	21	0.44	38.718	22	31.7	20.57	21	31.7	A3	C7	10357	C -3016595
71	10.1	8.9W	0 47.011	-0.0004	10	-39 57 43.56	-0.035	10	0.23	47.017	15	35.7	43.06	21	35.7	K2	C8	9875	C -4013022
72	9.2	8.4W	0 47.283	0.0034	21	-34 26 48.47	-0.046	21	0.44	47.222	22	31.7	47.63	21	31.7	K0	C7	10358	C -3413362
73	9.7	9.1W	0 48.118	-0.0067	13	-35 10 10.87	-0.015	13	0.26	48.214	15	35.7	10.66	21	35.7	G5	C8	9876	C*-3513157
74	10.7	9.6W	0 48.997	-0.0012	21	-30 33 1.68	0.050	21	0.44	49.019	22	31.7	2.60	21	31.7		C7	10359	C -3016598
75	10.5	9.3W	0 50.838	-0.0005	18	-36 58 46.94	-0.020	18	0.32	50.845	15	35.7	46.66	21	35.7	G5	C8	9877	C -3713038
76	8.5	9.0W	0 52.711	-0.0021	21	-31 31 53.39	-0.026	21	0.44	52.749	22	31.7	52.91	21	31.7	A0	C7	10360	C -3116301
77	9.1	9.3W	0 54.153	-0.0004	21	-31 44 21.84	-0.012	21	0.44	54.159	22	31.7	21.61	21	31.7	A2	C7	10361	C -3116302
78	9.5	9.3W	0 55.644	-0.0014	13	-35 26 18.96	0.014	13	0.26	55.664	15	35.7	19.16	21	35.7	F8	C8	9878	C -3513159
79	10.5	9.5W	0 55.871	0.0005	18	-34 57 15.74	0.007	18	0.32	55.864	15	35.7	15.85	21	35.7	G5 L	C8	9879	C -3513158
80	9.9	9.3W	1 0.203	-0.0004	21	-32 16 22.54	-0.001	21	0.44	0.209	22	31.7	22.51	21	31.7	G5	C7	10362	C -3214820
81	10.0	8.4W	1 5.359	-0.0017	13	-36 11 31.44	-0.034	13	0.26	5.384	15	35.7	30.96	21	35.7	K5	C8	9880	C -3613266
82	10.5	9.4W	1 5.935	-0.0004	21	-34 40 18.41	-0.031	21	0.44	5.943	22	31.7	17.85	21	31.7	K2 L	C7	10363	C -3413368
83		5.5T	1 12.503	0.0012	05	-31 7 19.63	-0.015	05	0.22	12.456	07	09.4	19.01	07	07.6	A0	GC	26209	C -3116306
84	9.6	9.0W	1 18.452	-0.0023	09	-38 11 42.80	-0.164	09	0.22	18.485	15	35.7	40.46	21	35.7	G5	C8	9881	C -3813313
85	10.7	10.0W	1 18.609	-0.0038	21	-30 53 26.56	0.002	21	0.44	18.679	22	31.7	26.60	21	31.7	F8 L	C7	10365	C -3116307
86	10.4	9.0W	1 19.371	-0.0030	10	-35 32 11.95	-0.014	10	0.23	19.415	15	35.7	11.76	21	35.7	K2	C8	9882	C -3513166
87	10.0	9.0W	1 20.357	-0.0041	18	-38 54 47.16	0.007	18	0.32	20.416	15	35.7	47.26	21	35.7	K0	C8	9883	C -3913093
88	8.0	8.2W	1 22.335	-0.0000	14	-36 55 11.87	-0.015	14	0.27	22.335	15	35.7	11.66	21	35.7	A0	C8	9884	C -3713041
89	10.6	9.6W	1 25.238	-0.0005	13	-36 44 48.33	-0.019	13	0.26	25.245	15	35.7	48.06	21	35.7	G5 L	C8	9885	C -3613272
90	8.4	8.2W	1 28.362	-0.0031	21	-31 26 51.71	-0.066	21	0.44	28.419	22	31.7	50.50	21	31.7	G0	C7	10366	C -3116309
91	10.8	9.7W	1 30.848	-0.0039	21	-31 48 0.92	0.011	21	0.44	30.919	22	31.7	1.11	21	31.7	K0 L	C7	10367	C -3116310
92	9.9	9.4W	1 32.025	-0.0037	21	-34 39 26.27	0.031	21	0.44	32.093	22	31.7	26.85	21	31.7	K0	C7	10368	C -3413375
93	8.7	8.7W	1 32.764	-0.0004	21	-34 25 17.16	-0.018	21	0.44	32.772	22	31.7	16.83	21	31.7	A2	C7	10370	C -3413376
94	8.3	8.7W	1 32.786	0.0015	21	-31 1 26.35	0.052	21	0.44	32.759	22	31.7	27.30	21	31.7	A0	C7	10369	C -3116312
95		7.2T	1 35.851	0.0021	18	-38 2 13.84	-0.022	14	0.83	35.751	18	01.7	12.68	21	98.4	B9	GC	26222	C -3813316
96	9.4	8.7W	1 38.337	0.0041	21	-33 14 43.09	0.051	21	0.44	38.261	22	31.7	44.03	21	31.7	K0	C7	10371	C -3313890
97	9.6	9.7W	1 45.646	-0.0006	21	-30 24 10.12	0.008	21	0.44	45.658	22	31.7	10.27	21	31.7	F5	C7	10372	C -3016613
98	10.5	9.7W	1 51.093	-0.0025	21	-31 20 55.09	-0.016	21	0.44	51.139	22	31.7	54.80	21	31.7		C7	10373	C -3116316
99	9.8	9.6W	1 51.865	-0.0020	18	-35 36 12.23	-0.005	18	0.32	51.895	15	35.7	12.16	21	35.7	F5	C8	9888	C -3513174
00	10.1	9.0W	1 53.655	-0.0034	13	-35 37 12.28	-0.023	13	0.26	53.704	15	35.7	11.96	21	35.7	K1 L	C8	9889	C -3513175

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma'\mu$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.1W	19 1 54.312	0.0056	21	-31 58 35.73	-0.017	21	0.44	54.209	22	31.7	35.41	21	31.7	K0		C7	10374	C -3214833
2	10.3	10.5W	1 59.175	-0.0055	13	-34 57 51.17	0.089	13	0.26	59.254	15	35.7	52.45	21	35.7	A0	L	C8	9891	C -3513179
3	9.4	9.3W	2 1.719	-0.0028	21	-32 39 5.48	-0.025	21	0.44	1.771	22	31.7	5.03	21	31.7	F5		C7	10375	C -3214836
4	8.8	8.6W	2 2.529	0.0009	21	-33 5 38.34	-0.023	21	0.44	2.511	22	31.7	37.93	21	31.7	F5		C7	10376	C -3313899
5	8.8	8.8W	2 4.052	-0.0001	13	-36 14 51.76	0.014	13	0.26	4.054	15	35.7	51.96	21	35.7	A5		C8	9892	C -3613282
6	8.1	8.4W	2 4.471	0.0031	13	-39 39 58.10	-0.017	13	0.26	4.427	15	35.7	57.86	21	35.7	A0		C8	9893	C -3913102
7	10.0	9.7W	2 6.985	-0.0000	13	-36 57 5.11	0.017	13	0.26	6.985	15	35.7	5.36	21	35.7	A2		C8	9895	C -3713044
8	8.7	9.1W	2 8.077	0.0003	21	-34 21 4.00	-0.004	21	0.44	8.072	22	31.7	3.93	21	31.7	A2		C7	10377	C -3413384
9	8.3	8.2W	2 9.024	0.0024	21	-32 29 2.10	0.028	21	0.44	8.979	22	31.7	2.61	21	31.7	F5		C7	10378	C -3214839
10	10.6	9.5W	2 11.982	-0.0031	21	-31 20 7.47	0.034	21	0.44	12.039	22	31.7	8.10	21	31.7			C7	10379	C -3116324
11	11.6	10.1W	2 12.578	0.0003	13	-36 5 0.30	-0.024	13	0.26	12.574	15	35.7	59.96	21	35.7	K5	L	C8	9896	C -3613284
12	10.4	9.8W	2 12.917	0.0022	21	-30 26 20.30	0.064	21	0.44	12.878	22	31.7	21.47	21	31.7	G5	L	C7	10380	C -3016624
13	9.5	9.3W	2 14.923	-0.0029	13	-37 58 28.87	-0.029	13	0.26	14.965	15	35.7	28.46	21	35.7	G0		C8	9897	C -3813523
14	9.2	7.8W	2 17.671	-0.0023	13	-35 26 52.20	-0.017	13	0.26	17.704	15	35.7	51.96	21	35.7	K2		C8	9898	C -3513184
15		7.5T	2 22.311	0.0007	13	-33 51 37.89	0.010	13	0.70	22.274	19	99.8	38.40	19	98.1	K0		GC	26239	C -3313903
16	10.5	9.5W	2 34.312	-0.0000	21	-34 55 1.35	-0.066	21	0.44	34.313	22	31.7	0.15	21	31.7	K2	L	C7	10382	C -3513189
17	9.6	9.0W	2 34.961	0.0039	21	-31 48 54.62	-0.011	21	0.44	34.889	22	31.7	54.41	21	31.7	K0		C7	10383	C -3116329
18	8.8	8.5W	2 35.861	0.0005	13	-36 16 22.63	-0.040	13	0.26	35.854	15	35.7	22.06	21	35.7	F8		C8	9899	C -3613291
19	9.1	9.0W	2 36.094	0.0024	21	-32 7 17.80	-0.037	21	0.44	36.049	22	31.7	17.11	21	31.7	F8		C7	10384	C -3214847
20	9.1	9.1W	2 36.758	0.0021	21	-32 14 49.03	-0.055	21	0.44	36.719	22	31.7	48.01	21	31.7	F0		C7	10385	C -3214848
21	8.9	8.9W	2 38.215	-0.0034	13	-35 40 24.77	-0.022	13	0.26	38.264	15	35.7	24.46	21	35.7	A2		C8	9900	C -3513195
22	9.4	9.1W	2 43.452	-0.0002	13	-38 12 36.07	-0.043	13	0.26	43.455	15	35.7	35.46	21	35.7	F5		C8	9901	C -3813326
23	10.5	10.2W	2 51.439	-0.0040	18	-38 35 15.10	-0.017	18	0.32	51.496	15	35.7	14.86	21	35.7	F8	L	C8	9902	C -3813327
24	9.3	8.6W	2 52.509	0.0032	21	-33 5 9.52	-0.093	21	0.44	52.451	22	31.7	7.83	21	31.7	K0		C7	10386	C -3313913
25	7.9	8.1W	2 55.878	-0.0023	21	-31 46 20.97	-0.014	21	0.44	55.919	22	31.7	20.71	21	31.7	A0		C7	10387	C -3116334
26	11.7	10.5W	3 1.759	-0.0032	18	-37 0 22.40	0.011	18	0.32	1.805	15	35.7	22.56	21	35.7			C8	9904	C -3713047
27	9.2	9.4W	3 1.850	-0.0005	21	-31 5 9.20	-0.000	21	0.44	1.859	22	31.7	9.20	21	31.7	A0		C7	10388	C -3116337
28		4.3T	3 2.400	0.0079	07	-37 8 13.47	-0.273	05	0.39	1.932	14	90.4	55.61	14	84.7	F8		GC	26263K	C*-3713048
29	10.0	9.6W	3 3.164	-0.0002	21	-30 0 45.96	0.044	21	0.44	3.168	22	31.7	46.77	21	31.7	G5		C7	10389	C -3016641
30	9.6	9.5W	3 6.321	0.0033	21	-34 16 36.59	-0.156	21	0.44	6.262	22	31.7	33.73	21	31.7	G0		C7	10390	C -3413396
31		8.2T	3 7.690	0.0031	20	-38 12 13.94	-0.006	15	0.85	7.549	24	04.0	13.63	21	00.7	K5		GC	26271K	C*-3813330
32	11.3	10.2W	3 15.031	-0.0002	18	-36 1 28.67	-0.022	18	0.32	15.034	15	35.7	28.36	21	35.7			C8	9907	C -3613306
33	9.5	9.8W	3 17.912	-0.0032	21	-33 33 56.27	0.058	21	0.44	17.972	22	31.7	57.33	21	31.7	A2	L	C7	10391	C -3313918
34	9.6	9.6W	3 18.329	-0.0022	21	-31 23 1.85	0.030	21	0.44	18.369	22	31.7	2.40	21	31.7	G0		C7	10392	C -3116346
35	10.6	10.0W	3 20.894	0.0008	21	-30 44 20.81	0.016	21	0.44	20.879	22	31.7	21.10	21	31.7			C7	10393	C -3016648
36	10.0	9.3W	3 25.521	-0.0020	21	-30 16 57.92	0.030	21	0.44	25.558	22	31.7	58.47	21	31.7	K0		C7	10394	C -3016650
37		6.3T	3 29.645	-0.0157	16	-37 53 0.38	-0.350	16	0.77	30.374	21	03.7	44.12	21	03.6	G5		GC	26283	C -3713049
38	9.7	9.5W	3 42.566	-0.0013	13	-37 54 53.53	-0.005	13	0.26	42.585	15	35.7	53.46	21	35.7	G0		C8	9909	C -3813334
39	9.9	8.7W	3 44.125	-0.0001	21	-30 1 54.54	0.018	21	0.44	44.128	22	31.7	54.87	21	31.7	K2		C7	10395	C -3016657
40	9.8	9.3W	3 48.131	-0.0002	13	-35 40 54.96	-0.070	13	0.26	48.134	15	35.7	53.96	21	35.7	G2	L	C8	9911	C -3513207
41	10.3	9.2W	3 48.895	0.0014	13	-36 41 3.15	-0.014	13	0.26	48.875	15	35.7	2.96	21	35.7	K0		C8	9912	C -3613315
42	9.2	9.4W	3 58.954	-0.0007	13	-35 42 1.94	0.008	13	0.26	58.965	15	35.7	2.06	21	35.7	B9		C8	9913	C -3513209
43	9.3	8.5W	4 1.274	-0.0002	21	-30 1 30.80	-0.062	21	0.44	1.278	22	31.7	29.67	21	31.7	K2		C7	10396	C -3016664
44			4 2.445	0.0026	21	-30 14 19.32	0.041	21	0.44	2.398	22	31.7	20.07	21	31.7	A2		C7	10397V	C*-3016665
45	10.3	9.9W	4 6.267	0.0002	13	-36 27 7.30	-0.010	13	0.26	6.265	15	35.7	7.16	21	35.7	F8	L	C8	9914	C -3613322
46	11.1	10.2W	4 7.830	0.0039	13	-36 27 9.78	-0.023	13	0.26	7.774	15	35.7	9.46	21	35.7	F8	L	C8	9915	C -3613322
47	10.3	9.7W	4 8.344	-0.0002	21	-30 15 55.52	0.052	21	0.44	8.348	22	31.7	56.47	21	31.7	G0	L	C7	10398	C -3016666
48	9.1	9.0W	4 8.619	-0.0028	21	-32 30 25.47	-0.041	21	0.44	8.671	22	31.7	24.73	21	31.7	F5		C7	10399	C -3214870
49	10.6	10.1W	4 11.191	-0.0037	13	-35 43 5.77	-0.078	13	0.26	11.245	15	35.7	4.66	21	35.7	G2	L	C8	9916	C -3513211
50	9.3	9.3W	4 16.308	-0.0039	21	-30 51 51.96	0.051	21	0.44	16.379	22	31.7	52.90	21	31.7	F8		C7	10400	C -3016671
51	9.7	9.4W	19 4 21.235	-0.0006	18	-36 2 5.76	0.000	18	0.32	21.245	15	35.7	5.76	21	35.7	F5		C8	9917	C -3613327
52	9.7	8.4W	4 23.403	-0.0004	21	-31 45 2.37	0.030	21	0.44	23.429	22	31.7	2.91	21	31.7	MB		C7	10401	C -3116364
53	10.0	9.3W	4 28.831	0.0006	21	-33 3 47.56	-0.002	21	0.44	28.821	22	31.7	47.53	21	31.7	K0	L	C7	10402	C -3313936
54	10.3	10.0W	4 29.904	-0.0001	18	-38 29 52.53	-0.012	18	0.32	29.905	15	35.7	52.36	21	35.7	G5		C8	9918	C -3813338
55	10.3	9.5W	4 32.213	-0.0029	13	-35 36 17.59	0.019	13	0.26	32.255	15	35.7	17.86	21	35.7	G5	L	C8	9919	C -3513215
56	9.8	9.1W	4 32.709	0.0003	18	-36 57 23.38	-0.030	18	0.32	32.705	15	35.7	22.96	21	35.7	G5		C8	9920	C -3713054
57	8.5	7.9W	4 34.373	-0.0015	21	-32 39 32.02	-0.060	21	0.44	34.401	22	31.7	30.93	21	31.7	G5		C7	10403	C -3214875
58	9.5	8.6W	4 35.013	0.0025	13	-39 49 56.66	-0.028	13	0.26	34.977	15	35.7	56.26	21	35.7	K0		C8	9921	C -3913128
59	9.3	8.7W	4 35.618	-0.0001	21	-31 57 50.82	0.027	21	0.44	35.619	22	31.7	51.31	21	31.7	K0		C7	10404	C -3214876
60	10.1	9.8W	4 38.282	-0.0001	23	-36 14 49.91	-0.004	23	0.38	38.285	15	35.7	49.86	21	35.7	F8	L	C8	9922	C -3613333
61	9.4	8.2W	4 38.357	-0.0023	21	-31 13 45.89	-0.076	21	0.44	38.399	22	31.7	44.50	21	31.7	K5		C7	10405	C -3116370
62	11.0	10.2W	4 38.742	-0.0065	23	-36 35 23.87	0.055	23	0.38	38.835	15	35.7	24.66	21	35.7	G5	L	C8	9923	C -3613334
63	10.3	9.5W	4 40.825	0.0024	21	-34 7 52.92	-0.005	21	0.44	40.781	22	31.7	52.83	21	31.7	K2	L	C7	10406	C -3413410
64	10.0	9.2W	4 41.621	-0.0014	21	-30 4 22.28	0.027	21	0.44	41.648	22	31.7	22.77	21	31.7	K2		C7	10407	C -3016677
65	9.5	9.1W	4 41.704	-0.0009	21	-32 32 52.36	0.058	21	0.44	41.721	22	31.7	53.43	21	31.7	G5		C7	10408	C -3214878
66	10.2	8.9W	4 42.949	-0.0006	21	-32 6 34.36	0.014	21	0.44	42.959	22	31.7	34.61	21	31.7	MA		C7	10409	C*-3214879
67	8.9	7.8W	4 44.878	-0.0013	21	-34 33 19.23	0.006	21	0.44	44.903	22	31.7	19.35	21	31.7	K2		C7	10410	C -3413411
68	9.3	9.6W	4 48.062	-0.0064	13	-35 36 59.25	0.028	13	0.26	48.154	15	35.7	59.66	21	35.7	A0		C8	9925	C -3513221
69	9.5	9.4W	4 52.160	0.0038	21	-32 34 54.38	0.035	21	0.44	52.091	22	31.7	55.03	21	31.7	G0		C7	10411	C -3214884
70			5 2.231	0.0034	21	-31 25 40.78	0.050	21	0.44	2.169	22	31.7	41.70	21	31.7	A0		C7	10412V	C*-3116374
71	9.3	9.3W	5 2.276	0.0019	21	-34 1 2.37	-0.019	21	0.44	2.242	22	31.7	2.03	21	31.7	F5		C7	10413	C -3413412
72	10.3	9.2W	5 13.613	0.0013	21	-30 53 15.58	0.012	21	0.44	13.589	22	31.7	15.80	21	31.7	MA		C7	10414	C -3116379
73	10.3	8.9W	5 13.862	-0.0009	13	-35 13 3.94	-0.027	13	0.26	13.874	15	35.7	3.56	21	35.7	K3	L	C8	9926	C -3513228
74	9.5	9.4W	5 19.157	-0.0002	21	-33 45 5.90	-0.026	21	0.44	19.162	22	31.7	5.43	21	31.7	F5		C7	10415	C -3313946
75	8.1	7.6W	5 19.338	0.0054	21	-31 3 7.73	-0.067	21	0.44	19.239	22	31.7	6.50	21	31.7	G5		C7	10416	C*-3116381
76	8.9	8.1W	5 21.114	-0.0019	21	-31 10 29.84	-0.008	21	0.44	21.149	22	31.7	29.70	21	31.7	K0		C7	10417	C -3116382
77	8.3	8.7W	5 24.253	-0.0014	21	-31 23 44.26	0.002	21	0.44	24.279	22	31.7	44.30	21	31.7	B9		C7	10418	C -3116384
78	10.4	8.7W	5 25.039	-0.0018	13	-38 14 51.33	-0.033	13	0.26	25.065	15	35.7	50.86	21	35.7	K5		C8	9927	C -3813347
79		9.1Q	5 27.002	0.0005	16	-33 52 25.78	-0.073	13	0.75	26.977	21	02.5	22.07	21	99.4	F5		GC	26336K	C -3313953
80		8.4Q	5 27.979	0.0007	12	-33 52 24.92	-0.117	12	0.67	27.942	19	98.1	18.75	19	97.4	F5		GC	26337K	C*-3313953
81	9.0	8.3W	5 33.230	-0.0012	21	-33 26 2.14	-0.034	21	0.44	33.251	22	31.7	1.53	21	31.7	K0		C7	10420	C -3313955
82	9.5	9.2W	5 36.720	0.0010	13	-39 5 57.70	-0.031	13	0.26	36.706	15	35.7	57.26	21	35.7	F0		C8	9928	C -3913138
83	9.3	9.2W	5 40.057	0.0002	13	-35 6 56.70	0.025	13	0.26	40.054	15	35.7	57.06	21	35.7	F5		C8	9930	C -3513235
84	10.7	9.6W	5 43.742	0.0005	23	-36 43 34.47	-0.085	23	0.38	43.735	15	35.7	33.26	21	35.7	K0	L	C8	9931	C -3613346
85	9.5	9.1W	5 43.915	0.0028	18	-36 57 0.27	-0.029	18	0.32	43.875	15	35.7	59.86	21	35.7	A5		C8	9932	C -3713060
86	9.5	8.8W	5 49.319	0.0020	21	-32 57 44.12	0.000	21	0.44	49.281	22	31.6	44.13	21	31.6	G5		C7	10421	C -3313958
87		7.9T	5 56.202	-0.0001	11	-30 42 23.90	0.021	09	0.56	56.208	17	98.5	25.04	15	96.6	A0		GC	26356	C -3016697
88	10.6	9.6W	5 58.944	-0.0007	18	-36 15 49.73	-0.012	18	0.32	58.954	15	35.7	49.56	21	35.7	K0	L	C8	9934	C -3613350
89	9.0	7.5W	6 4.012	0.0027	21	-34 34 13.76	-0.028	21	0.44	3.963	22	31.6	13.25	21	31.6	K2		C7	10423	C -3413429
90		4.1H	6 4.345	0.0071	03	-37 59 3.49	-0.099	02	0.11	4.101	07	15.6	0.03	06	14.9	A2		F4	718	C -3813350
91	10.2	9.4W	6 4.676	0.0009	21	-31 46 14.16	0.052	21	0.44	4.659	22	31.6	15.11	21	31.6	K0	L	C7	10424	C -3116396
92	10.1	9.4W	6 10.004	0.0012	21	-33 12 45.14	-0.034	21	0.44	9.981	22	31.6	44.53	21	31.6	K0	L	C7	10425	C -3313962
93	9.8	8.5W	6 10.273	0.0001	21	-34 22 55.80	-0.015	21	0.44	10.272	22	31.6	55.53	21	31.6	K2		C7	10426	C -3413430
94		6.4T	6 12.553	-0.0001	17	-39 54 31.01	-0.048	14	0.79	12.560	18	02.4	28.62	21	99.6	K0		GC	26365	C -4013074
95	9.6	8.9W	6 12.592	-0.0009	21	-30 43 32.90	-0.022	21	0.44	12.609	22	31.6	32.50	21	31.6	K0		C7	10427	C -3016699
96		6.6T	6 15.774	-0.0012	13	-36 14 45.53	-0.011	13	0.69	15.834	17	00.0	45.00	19	99.4	B9		GC	26368	C -3613355
97	10.6	9.5W	6 21.684	-0.0014	13	-36 11 32.02	0.024	13	0.26	21.704	15	35.7	32.36	21	35.7	K0	L	C8	9938	C -3613356
98	7.9	8.2W	6 21.925	-0.0015	21	-34 45 49.13	-0.010	21	0.44	21.953	22	31.6	48.95	21	31.6	A0	L	C7	10428	C -3413433
99	10.0	9.4W	6 23.876	0.0043	13	-35 0 13.90	-0.038	13	0.26	23.814	15	35.7	13.36	21	35.7	G2	L	C8	9939	C -3513246
00	10.1	8.5W	6 27.155	0.0008	13	-34 59 13.27	0.005	13	0.26	27.144	15	35.7	13.35	21	35.7	MA	L	C8	9940	C -3513248

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	8.9	9.5W	19 6 29.042	-0.0010	21	-32 0 8.24	0.026	21	0.44	29.059	22	31.6	8.71	21	31.6	B5	C7	10429	C -3214907
2	10.3	9.4W	6 32.091	-0.0016	13	-36 26 23.00	0.011	13	0.26	32.115	15	35.7	23.16	21	35.7	G5	C8	9941	C -3613359
3	10.0	9.5W	6 32.991	-0.0044	21	-34 36 0.06	-0.012	21	0.44	33.073	22	31.6	-59.85	21	31.6	G5	C7	10430	C -3413436
4	8.8	8.9W	6 33.661	-0.0016	21	-32 20 8.48	-0.025	21	0.44	33.689	22	31.6	8.01	21	31.6	A5	C7	10431	C -3214908
5		4.2T	6 35.486	0.0002	05	-39 25 19.53	-0.037	04	0.24	35.478	10	03.0	17.75	10	01.5	G5	GC	26380	C#-3913146
6	10.8	9.9W	6 37.265	-0.0023	21	-30 10 8.47	0.000	21	0.44	37.308	22	31.6	8.47	21	31.6		C7	10432	C -3016705
7	10.5	9.2W	6 41.268	-0.0040	10	-36 54 40.19	-0.044	10	0.23	41.325	15	35.7	39.56	21	35.7	K0	C8	9943	C -3713071
8	10.2	8.9W	6 58.286	0.0028	13	-39 16 7.67	-0.015	13	0.26	58.246	15	35.7	7.46	21	35.7	K2	C8	9945	C -3913151
9	10.1	10.0W	7 10.672	0.0019	18	-37 26 26.48	0.005	18	0.32	10.645	15	35.7	26.56	21	35.7	A0	C8	9946	C -3713076
10	9.7	8.9W	7 14.797	0.0009	21	-33 0 51.14	-0.017	21	0.44	14.781	22	31.6	50.83	21	31.6	K0	C7	10433	C -3313979
11		6.6T	7 16.635	0.0055	09	-30 5 18.84	-0.058	09	0.53	16.345	17	96.9	15.59	18	93.4	F5	GC	26398	C#-3016718
12	10.4	9.1W	7 17.567	0.0008	13	-38 30 57.33	-0.012	13	0.26	17.556	15	35.7	57.16	21	35.7	K2	C8	9947	C -3813358
13	9.4	9.6W	7 17.777	0.0003	21	-34 22 41.29	-0.025	21	0.44	17.772	22	31.6	40.83	21	31.6	A2	C7	10435	C -3413447
14		7.7T	7 22.353	0.0010	14	-38 59 29.86	-0.029	13	0.71	22.306	18	01.0	28.38	19	98.2	F5	GC	26403	C -3913155
15	10.8	9.5W	7 30.329	0.0015	21	-33 39 10.08	0.041	21	0.44	30.302	22	31.6	10.83	21	31.6	K0	C7	10436	C -3313980
16	9.4	8.9W	7 34.245	0.0008	21	-32 28 29.01	-0.032	21	0.44	34.229	22	31.6	28.41	21	31.6	G5	C7	10437	C -3214925
17		6.2T	7 36.339	-0.0010	15	-39 5 15.25	-0.017	13	0.74	36.390	18	01.3	14.40	21	98.5	B8	GC	26405	C#-3913156
18	8.6	7.7W	7 39.192	-0.0015	21	-31 53 26.30	0.012	21	0.44	39.219	22	31.6	26.51	21	31.6	K0	C7	10438	C -3214928
19	9.8	10.1W	7 41.993	-0.0036	21	-30 45 15.14	0.014	21	0.44	42.059	22	31.6	15.40	21	31.6	A5	C7	10439	C -3016727
20	9.4	9.4W	7 46.823	-0.0010	21	-33 32 13.17	-0.013	21	0.44	46.842	22	31.6	12.93	21	31.6	F0	C7	10440	C -3313987
21	9.6	9.2W	8 0.839	0.0003	18	-36 56 12.86	-0.007	18	0.32	0.835	15	35.7	12.76	21	35.7	A2	C8	9952	C -3713083
22	10.9	9.4W	8 1.712	-0.0030	21	-30 10 40.84	-0.009	21	0.44	1.768	22	31.6	40.67	21	31.6		C7	10441	C -3016733
23	9.3	9.0W	8 2.804	0.0020	18	-38 19 35.23	0.002	18	0.32	2.775	15	35.7	35.26	21	35.7	F0	C8	9953	C -3813363
24	9.0	7.6W	8 5.541	-0.0006	21	-34 59 13.10	0.024	21	0.44	5.553	22	31.6	13.55	21	31.6	K2	C7	10442	C -3513277
25	10.1	10.0W	8 9.971	0.0005	13	-36 27 56.34	-0.006	13	0.26	9.964	15	35.7	56.26	21	35.7	A5	C8	9954	C -3613384
26	9.5	9.7W	8 10.160	-0.0021	21	-30 43 3.04	-0.013	21	0.44	10.199	22	31.6	2.80	21	31.6	A3	C7	10443	C -3016737
27	10.5	9.9W	8 11.813	-0.0042	21	-31 35 16.67	-0.052	21	0.44	11.889	22	31.6	15.71	21	31.6	K0	L C7	10444	C -3116430
28	8.8	8.9W	8 20.262	-0.0021	21	-34 18 25.00	-0.020	21	0.44	20.302	22	31.6	24.63	21	31.6	A2	C7	10445	C -3413462
29	9.3	8.3W	8 23.604	-0.0031	21	-33 49 41.08	0.057	21	0.44	23.662	22	31.6	42.13	21	31.6	K0	C7	10446	C -3313996
30	8.8	9.0W	8 28.109	-0.0006	21	-32 11 12.23	-0.017	21	0.44	28.119	22	31.6	11.91	21	31.6	A0	C7	10447	C -3214940
31		8.2T	8 30.407	-0.0004	13	-33 26 43.73	-0.033	13	0.71	30.427	19	00.0	42.03	19	98.7	A2	GC	26419	C#-3313998
32	9.2	8.8W	8 30.607	0.0077	06	-39 34 59.26	-0.119	06	0.20	30.497	15	35.7	57.56	21	35.7	G5	C8	9955	C -3913162
33	7.6	8.0W	8 33.533	0.0012	13	-39 21 40.04	-0.020	13	0.26	33.516	15	35.7	39.76	21	35.7	B8	C8	9956	C -3913163
34	10.6	9.3W	8 33.831	-0.0006	21	-34 43 15.68	-0.002	21	0.44	33.843	22	31.6	15.65	21	31.6	K2	L C7	10449	C -3413467
35	9.6	9.8W	8 39.658	0.0010	13	-36 14 18.64	-0.034	13	0.26	39.645	15	35.7	18.16	21	35.7	A2	C8	9957	C -3613391
36	9.2	9.4W	8 44.903	0.0006	21	-32 30 42.62	-0.022	21	0.44	44.891	22	31.6	42.23	21	31.6	A5	C7	10450	C -3214944
37		6.5T	8 46.888	0.0008	12	-37 40 1.76	0.006	12	0.66	46.850	21	00.2	2.20	19	99.0	G5	GC	26426	C -3713090
38	8.4	7.7W	8 48.847	0.0009	21	-32 42 58.13	-0.055	21	0.44	48.831	22	31.6	57.13	21	31.6	K0	C7	10451	C -3214945
39	9.6	10.2W	8 59.192	-0.0022	18	-36 1 33.44	0.015	18	0.32	59.225	15	35.7	33.66	21	35.7	B5	C8	9959	C -3613397
40	10.4	8.7W	9 7.499	-0.0004	13	-36 40 8.44	0.022	13	0.26	7.505	15	35.7	8.76	21	35.7	K5	L C8	9960	C -3613401
41	8.3	8.0W	9 10.027	-0.0019	21	-33 8 49.95	0.020	21	0.44	10.061	22	31.6	50.33	21	31.6	G0	C7	10452	C -3314011
42		6.9T	9 11.747	-0.0006	13	-37 36 30.34	-0.006	12	0.65	11.778	17	01.6	30.02	19	00.5	B8	GC	26439	C#-3713091
43	8.9	9.0W	9 16.065	-0.0020	13	-36 14 36.44	-0.041	13	0.26	16.094	15	35.7	35.86	21	35.7	A2	C8	9962	C -3613403
44	9.7	8.0W	9 16.122	0.0004	18	-38 51 29.66	-0.028	18	0.32	16.116	15	35.7	29.26	21	35.7	K5	C8	9963	C -3813372
45		7.9T	9 27.171	0.0036	12	-33 56 13.21	-0.140	12	0.67	26.981	18	97.4	5.72	19	96.6	A0	GC	26443K	C -3413476
46		7.3T	9 27.572	-0.0004	12	-33 55 51.94	-0.007	12	0.66	27.592	18	96.7	51.55	18	95.7	A0	GC	26444K	C#-3413477
47	10.3	9.6W	9 28.353	-0.0022	13	-35 6 12.82	-0.011	13	0.26	28.384	15	35.7	12.66	21	35.7	G8	L C8	9964	C -3513295
48	8.3	8.2W	9 30.855	0.0023	21	-34 31 13.66	-0.028	21	0.44	30.813	22	31.6	13.15	21	31.6	F0	C7	10455	C -3413479
49	10.2	10.0W	9 34.844	-0.0041	21	-31 32 31.81	0.011	21	0.44	34.919	22	31.6	32.01	21	31.6	G5	L C7	10456	C -3116452
50	10.6	9.4W	9 37.976	-0.0019	18	-34 58 4.17	0.040	18	0.32	38.004	15	35.7	4.75	21	35.7		C8	9965	C -3513297
51	9.9	8.8W	19 9 41.396	-0.0028	10	-38 53 44.99	-0.016	10	0.23	41.436	15	35.7	44.76	21	35.7	K2	C8	9966	C -3913169
52		6.7T	9 43.149	0.0021	17	-38 45 57.24	-0.013	13	0.77	43.050	18	02.0	56.58	21	98.2	A2	GC	26453	C#-3813375
53	10.1	9.0W	9 47.745	-0.0004	21	-34 47 36.47	0.004	21	0.44	47.753	22	31.6	36.55	21	31.6	K5	C7	10457	C -3413480
54	8.7	9.1W	10 0.897	0.0010	21	-31 0 46.02	-0.039	21	0.44	0.879	22	31.6	45.30	21	31.6	A0	C7	10458	C -3116460
55	9.6	9.4W	10 1.002	-0.0048	21	-33 21 8.16	-0.024	21	0.44	1.091	22	31.6	7.73	21	31.6	G0	C7	10459	C -3314023
56	10.2	9.6W	10 2.411	0.0025	18	-38 22 36.12	-0.081	18	0.32	2.375	15	35.7	34.96	21	35.7	G5	C8	9970	C -3813376
57	9.0	8.8W	10 2.448	0.0054	21	-31 0 38.74	0.003	21	0.44	2.349	22	31.6	38.80	21	31.6	A0	C7	10460	C -3116460
58	10.5	9.7W	10 6.217	-0.0030	21	-32 46 55.63	0.010	21	0.44	6.271	22	31.6	55.83	21	31.6	G5	C7	10461	C -3214962
59	10.2	9.3W	10 10.901	-0.0030	13	-35 40 52.98	0.019	13	0.26	10.945	15	35.7	53.26	21	35.7	K0	L C8	9972	C -3513308
60	8.4	8.1W	10 12.340	0.0016	21	-31 46 40.97	-0.008	21	0.44	12.309	22	31.6	40.81	21	31.6	G5	C7	10462	C -3116464
61	10.6	9.2W	10 18.942	-0.0002	13	-36 31 22.57	-0.015	13	0.26	18.945	15	35.7	22.36	21	35.7	K2	C8	9973	C -3613421
62	9.9	9.0W	10 23.113	0.0007	21	-32 20 27.58	0.002	21	0.44	23.099	22	31.6	27.61	21	31.6	K0	C7	10463	C -3214966
63	10.1	9.3W	10 24.244	-0.0003	21	-32 25 29.84	-0.023	21	0.44	24.249	22	31.6	29.41	21	31.6	K0	C7	10464	C -3214967
64	8.9	8.1W	10 27.844	-0.0025	21	-31 48 24.08	-0.025	21	0.44	27.889	22	31.6	23.61	21	31.6	K0	C7	10465	C -3116467
65	10.2	9.3W	10 28.099	0.0012	21	-30 17 27.21	0.014	21	0.44	28.078	22	31.6	27.47	21	31.6	K0	C7	10466	C -3016780
66	9.0	9.4W	10 32.990	-0.0038	21	-31 50 31.00	-0.010	21	0.44	33.059	22	31.6	30.81	21	31.6	A0	C7	10467	C -3116470
67	8.2	8.5W	10 34.833	-0.0002	13	-39 10 38.16	-0.028	13	0.26	34.836	15	35.7	37.76	21	35.7	A0	C8	9975	C -3913174
68	9.5	8.5W	10 45.133	-0.0004	21	-33 31 21.39	0.013	21	0.44	45.141	22	31.6	21.63	21	31.6	K2	C7	10468	C -3314035
69	9.5	10.0W	10 45.719	0.0011	21	-30 59 15.99	0.017	21	0.44	45.699	22	31.6	16.30	21	31.6	A0	C7	10469	C -3116475
70	9.5	9.6W	10 53.208	-0.0022	21	-31 6 12.70	-0.000	21	0.44	53.249	22	31.6	12.70	21	31.6	F8	C7	10470	C -3116476
71	10.1	8.9W	10 53.751	0.0006	21	-32 45 3.87	0.019	21	0.44	53.741	22	31.6	4.23	21	31.6	K5	C7	10471	C -3214973
72			10 54.394	-0.0014	13	-36 19 51.43	-0.005	13	0.26	54.414	15	35.7	51.36	21	35.7	A2	C8	9976X	C -3613430
73	9.7	9.6W	11 5.304	-0.0020	21	-34 13 22.18	0.008	21	0.44	5.341	22	31.6	22.33	21	31.6	F8	C7	10472	C -3413496
74	9.9	9.6W	11 10.708	0.0002	18	-37 23 4.61	0.024	18	0.32	10.705	15	35.7	4.96	21	35.7	F0	L C8	9977	C -3713108
75	9.6	8.2W	11 15.446	-0.0019	21	-33 48 16.96	-0.018	21	0.44	15.482	22	31.6	16.63	21	31.6	K2	C7	10473	C -3314044
76	8.8	8.2W	11 16.022	0.0001	21	-32 30 48.41	0.017	21	0.44	16.021	22	31.6	48.73	21	31.6	K0	C7	10474	C -3214979
77	9.8	9.7W	11 17.250	0.0011	13	-35 57 19.97	0.041	13	0.26	17.234	15	35.7	20.56	21	35.7	F5	L C8	9978	C -3613436
78	10.0	8.5W	11 17.629	0.0017	13	-36 39 40.81	-0.032	13	0.26	17.605	15	35.7	40.36	21	35.7	K2	C8	9979	C -3613433
79	10.6	9.4W	11 17.706	-0.0027	13	-36 44 12.18	-0.051	13	0.26	17.745	15	35.7	11.46	21	35.7	G8	L C8	9980	C -3613434
80	9.6	9.3W	11 25.414	-0.0063	21	-31 52 28.99	-0.145	21	0.44	25.529	22	31.6	26.31	21	31.6	G0	C7	10475	C -3214984
81	9.9	9.6W	11 30.105	-0.0084	21	-31 45 55.13	-0.104	21	0.44	30.259	22	31.6	53.21	21	31.6	F8	C7	10477	C -3116486
82	9.2	9.1W	11 34.121	-0.0002	13	-36 26 58.10	0.004	13	0.26	34.124	15	35.7	58.16	21	35.7	A3	C8	9981	C -3613438
83	8.6	8.7W	11 35.739	0.0010	09	-37 28 18.03	0.023	09	0.22	35.725	15	35.7	18.36	21	35.7	A2	C8	9982	C -3713112
84	9.6	9.7W	11 36.304	-0.0008	21	-31 23 26.69	0.017	21	0.44	36.319	22	31.6	27.00	21	31.6	G0	C7	10478	C -3116488
85	8.5	8.9W	11 36.491	-0.0026	21	-31 10 17.29	-0.021	21	0.44	36.539	22	31.6	16.90	21	31.6	A0	C7	10479	C -3116489
86	9.4	8.7W	11 37.351	-0.0011	21	-34 9 43.94	0.005	21	0.44	37.372	22	31.6	44.03	21	31.6	K0	C7	10480	C -3413503
87	8.5	7.7W	11 38.285	0.0025	21	-30 55 30.04	-0.013	21	0.44	38.239	22	31.6	29.80	21	31.6	G5	C7	10481	C -3116490
88	8.9	8.7W	11 44.363	0.0074	21	-30 22 22.62	0.024	21	0.44	44.228	22	31.6	23.07	21	31.6	G5	C7	10482	C -3016804
89	8.4	8.1W	11 53.891	-0.0018	05	-39 45 4.74	0.022	05	0.20	53.917	15	35.7	5.06	21	35.7	G0	C8	9985	C -3913186
90	8.4	8.6W	11 58.475	-0.0036	21	-34 1 22.85	-0.001	21	0.44	58.542	22	31.6	22.83	21	31.6	A3	C7	10483	C -3413509
91	8.7	7.8W	11 59.808	-0.0018	21	-34 22 29.42	-0.016	21	0.44	59.841	22	31.6	29.13	21	31.6	K0	C7	10484	C#-3413510
92	9.7	8.4W	12 8.709	0.0010	13	-35 14 47.24	0.001	13	0.26	8.694	15	35.7	47.26	21	35.7	K5	C8	9986	C -3513333
93	10.6	10.3W	12 9.086	0.0022	18	-38 13 19.87	-0.022	18	0.32	9.055	15	35.7	19.56	21	35.7	F5	L C8	9987	C -3813385
94	9.0	9.1W	12 11.319	0.0003	13	-36 48 2.58	-0.023	13	0.26	11.315	15	35.7	2.26	21	35.7	B9	C8	9988	C -3613450
95	8.9	7.9W	12 12.039	0.0016	10	-38 56 1.04	-0.013	10	0.23	12.016	15	35.7	0.86	21	35.7	K0	C8	9989	C -3913189
96	7.8	8.0W	12 13.465	0.0003	21	-32 17 24.74	-0.028	21	0.44	13.459	22	31.6	24.21	21	31.6	A2	C7	10485	C -3214994
97		6.8T	12 13.783	-0.0007	13	-37 2 13.69	-0.019	12	0.68	13.821	17	99.1	12.68	18	98.2	A3	GC	26513	C -3713116
98	9.9	9.6W	12 16.338	-0.0027	13	-39 57 43.63	-0.026	13	0.26	18.377	15	35.7	43.26	21	35.7	F5	C8	9992	C -4013151
99	9.5	8.7W	12 28.176	0.0008	21	-34 21 27.51	-0.010	21	0.44	28.161	22	31.6	27.33	21	31.6	K0	C7	10486	C -3413520
00		7.4T	12 30.869	0.0014	07	-33 37 7.66	-0.002	08	0.34	30.805	10	05.5	7.57	12	07.2	A0	GC	26519	C -3314068

-30° 19H

211100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ".001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ".001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ".01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ".01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 19H DM NUMBER
1	8.4	9.0W	19 12 33.747	-0.0002	21	-33 40 7.84	-0.028	21	0.44	33.752	22	31.6	7.33	21	31.6	B8		C7	10488	C -3314069
2	10.5	9.2W	12 40.939	-0.0012	09	-38 53 29.20	-0.024	09	0.22	40.956	15	35.7	28.86	21	35.7	K0		C8	9993	C -3913196
3	9.8	9.0W	12 44.143	-0.0031	21	-32 6 19.02	0.016	21	0.44	44.199	22	31.6	19.31	21	31.6	K0		C7	10489	C -3215066
4	8.9	8.7W	12 46.244	-0.0083	21	-30 25 50.30	-0.029	21	0.44	46.398	22	31.6	49.77	21	31.6	G0		C7	10490	C -3016823
5	10.5	10.2W	12 46.920	-0.0010	18	-35 51 2.53	0.023	18	0.32	46.935	15	35.7	2.86	21	35.7	G0	L	C8	9994	C -3513341
6	9.3	8.7W	12 49.900	0.0150	08	-36 30 25.16	-0.112	08	0.22	49.685	15	35.7	23.56	21	35.7	G0		C8	9995	C -3613455
7	9.7	9.6W	12 54.336	-0.0040	21	-31 48 3.33	0.021	21	0.44	54.409	22	31.6	3.71	21	31.6	F2		C7	10491	C -3116510
8	8.2	8.2W	12 55.317	0.0005	21	-30 27 9.28	-0.017	21	0.44	55.308	22	31.6	8.97	21	31.6	F0		C7	10492	C -3016826
9	9.7	9.7W	13 0.343	-0.0025	21	-31 17 7.17	0.029	21	0.44	0.389	22	31.6	7.70	21	31.6	F5		C7	10493	C -3116515
10	8.6	9.0W	13 0.893	-0.0016	21	-34 32 5.41	-0.004	21	0.44	0.923	22	31.6	5.34	21	31.6	A0		C7	10494	C -3413530
11		7.2T	13 2.359	0.0017	07	-30 32 54.34	0.010	06	0.31	2.290	12	08.2	54.80	14	04.3	A3		GC	26538	C*-3016828
12	10.6	10.1W	13 3.164	-0.0063	21	-31 39 0.97	0.019	21	0.44	3.279	22	31.6	1.31	21	31.6	G5	L	C7	10496	C -3116517
13	8.5	8.9W	13 9.757	0.0009	21	-33 9 11.65	-0.002	21	0.44	9.741	22	31.6	11.63	21	31.6	A0		C7	10497	C -3314074
14	10.0	9.0W	13 10.279	0.0016	21	-32 21 38.32	-0.000	21	0.44	10.249	22	31.6	38.31	21	31.6	K2		C7	10498	C -3215013
15		7:4T	13 11.572	-0.0013	14	-33 53 55.63	-0.002	13	0.72	11.635	19	00.7	55.51	19	98.6	A2		GC	26543	C*-3413532
16	8.2	8.4W	13 16.919	0.0004	21	-33 23 26.10	-0.037	21	0.44	16.911	22	31.6	25.43	21	31.6	A2		C7	10500	C -3314077
17		6.1T	13 16.933	0.0010	12	-33 36 40.91	0.025	12	0.67	16.882	19	99.0	42.20	19	97.5	GOP		GC	26544V	C*-3314076
18	8.6	8.6W	13 18.456	-0.0018	21	-31 29 49.26	-0.047	21	0.44	18.489	22	31.6	48.40	21	31.6	F5		C7	10502	C -3116520
19		7.1T	13 27.626	-0.0003	10	-31 58 28.36	-0.026	10	0.54	27.643	17	95.5	26.98	15	97.2	K0		GC	26548	C -3215017
20	9.9	9.0W	13 34.447	0.0014	13	-39 47 22.82	-0.053	13	0.26	34.427	15	35.7	22.06	21	35.7	K0		C8	9996	C -3913204
21	8.6	9.0W	13 34.662	0.0006	13	-36 7 39.50	0.018	13	0.26	34.654	15	35.7	39.76	21	35.7	B9		C8	9997	C -3613459
22	8.9	8.7W	13 34.900	0.0000	21	-31 56 12.81	-0.195	21	0.44	34.889	22	31.6	9.21	21	31.6	G5		C7	10504	C -3215019
23	9.5	9.7W	13 35.345	0.0008	21	-31 31 4.33	0.021	21	0.44	35.329	22	31.6	4.71	21	31.6	F0		C7	10505	C -3116528
24	9.4	8.6W	13 39.414	-0.0007	13	-35 16 25.07	-0.008	13	0.26	39.424	15	35.7	24.96	21	35.7	G5		C8	9998	C -3513356
25	8.9	8.7W	13 48.432	-0.0005	21	-34 17 18.82	-0.005	21	0.44	48.442	22	31.6	18.73	21	31.6	G0		C7	10506	C -3413542
26	10.5	9.2W	13 50.804	0.0003	21	-31 25 55.50	0.038	21	0.44	50.799	22	31.6	56.20	21	31.6	K0	L	C7	10507	C -3116532
27	10.3	9.5W	13 51.501	0.0026	13	-36 17 35.80	-0.010	13	0.26	51.464	15	35.7	35.66	21	35.7	G5		C8	9999	C -3613463
28	8.6	8.6W	13 57.867	-0.0025	06	-35 2 47.51	0.017	06	0.20	57.904	15	35.7	47.76	21	35.7	F0		C8	10000	C -3513359
29	10.6	9.9W	14 0.615	-0.0007	18	-38 2 13.67	-0.008	18	0.32	0.625	15	35.7	13.56	21	35.7	K2	L	C8	10001	C -3813398
30	10.0	10.0W	14 3.185	0.0010	21	-30 0 35.69	-0.001	21	0.44	3.168	22	31.6	35.67	21	31.6	G2	L	C7	10508	C -3016842
31	9.4	8.7W	14 8.917	0.0009	21	-32 41 57.07	0.019	21	0.44	8.901	22	31.6	57.43	21	31.6	G5		C7	10509	C -3215028
32	8.6	8.6W	14 17.349	-0.0017	21	-32 35 21.52	0.000	21	0.44	17.381	22	31.6	21.53	21	31.6	A0		C7	10510	C -3215032
33	10.0	9.5W	14 19.187	-0.0012	21	-30 33 33.87	0.034	21	0.44	19.209	22	31.6	34.50	21	31.6	K0		C7	10511	C -3016848
34	8.6	8.6W	14 19.277	-0.0003	21	-34 37 2.05	-0.044	21	0.44	19.283	22	31.6	1.24	21	31.6	F0		C7	10512	C -3413550
35	9.9	9.7W	14 24.212	-0.0047	21	-30 43 22.52	-0.012	21	0.44	24.299	22	31.6	22.30	21	31.6	G5		C7	10513	C -3016852
36	8.5	8.6W	14 25.775	-0.0000	09	-38 21 17.07	-0.008	09	0.22	25.775	15	35.7	16.96	21	35.7	A2		C8	10002	C -3813400
37	9.5	8.8W	14 31.863	-0.0024	21	-30 28 51.38	0.043	21	0.44	31.908	22	31.6	52.17	21	31.6	K0		C7	10514	C -3016854
38	9.9	9.1W	14 32.421	0.0013	21	-30 16 4.88	-0.006	21	0.44	32.398	22	31.6	4.77	21	31.6	K0		C7	10515	C -3016855
39	9.7	9.5W	14 34.654	-0.0014	13	-35 1 53.47	0.027	13	0.26	34.674	15	35.7	53.86	21	35.7	F0		C8	10003	C -3513366
40	8.7	9.0W	14 37.358	-0.0012	21	-32 46 31.15	0.004	21	0.44	37.381	22	31.6	31.23	21	31.6	B9		C7	10516	C -3215035
41	8.3	8.4W	14 38.421	-0.0017	21	-34 36 36.69	0.019	21	0.44	38.453	22	31.6	37.05	21	31.6	F0		C7	10517	C -3413554
42	9.4	9.6W	14 48.354	0.0080	13	-38 28 28.39	-0.100	13	0.26	48.225	15	35.7	26.96	21	35.7	G5		C8	10004	C -3813404
43	8.6E	7.1M	14 57.367	-0.0003	12	-39 57 57.99	-0.036	12	0.86	57.382	63	98.7	56.15	57	98.7	K0		CZ	18080	P -40 8095
44	9.3	8.8W	14 58.345	-0.0036	21	-34 5 51.91	0.001	21	0.44	58.612	22	31.6	51.93	21	31.6	K0		C7	10518	C -3413563
45	10.4	9.8W	14 58.770	-0.0060	21	-31 33 2.01	-0.032	21	0.44	58.879	22	31.6	1.41	21	31.6	G5	L	C7	10519	C -3116552
46	9.5	9.1W	14 59.996	-0.0008	13	-39 50 24.66	-0.105	13	0.26	+ 0.007	15	35.7	23.16	21	35.7	F8		C8	10005	C -3913214
47	10.2	8.9W	15 6.305	0.0013	18	-38 44 52.77	-0.001	18	0.32	6.286	15	35.7	52.76	21	35.7	K2		C8	10007	C -3813406
48		7.5T	15 6.426	0.0004	12	-33 14 38.38	-0.027	12	0.65	6.404	17	98.2	36.92	18	96.3	B8		GC	26595	C -3314106
49	9.6	9.6W	15 7.172	-0.0031	21	-31 21 0.05	0.073	21	0.44	7.229	22	31.6	1.40	21	31.6	G5		C7	10521	C -3116557
50	8.7	8.9W	15 7.652	0.0006	21	-34 3 17.78	-0.052	21	0.44	7.642	22	31.6	16.83	21	31.6	A3		C7	10522	C -3413566
51	10.7	9.0W	19 15 10.839	-0.0018	13	-38 28 2.28	-0.044	13	0.26	10.865	15	35.7	1.66	21	35.7	K2		C8	10008	C -3813409
52	9.4	9.6W	15 11.056	-0.0029	21	-31 33 23.56	0.014	21	0.44	11.109	22	31.6	23.81	21	31.6	F5		C7	10523	C -3116559
53	7.6	7.5W	15 17.130	0.0037	08	-39 38 18.64	-0.083	08	0.22	17.077	15	35.7	17.46	21	35.7	F5		C8	10009	C -3913218
54	10.1	9.3W	15 19.716	-0.0027	07	-35 17 15.61	0.024	07	0.21	19.754	15	35.7	15.96	21	35.7	G0	L	C8	10010	C -3513376
55	8.8	9.2W	15 21.921	-0.0015	21	-30 55 11.51	0.016	21	0.44	21.949	22	31.6	11.80	21	31.6	A0		C7	10524	C -3116561
56	10.0	10.3W	15 26.302	-0.0005	21	-34 25 15.27	-0.035	21	0.44	26.312	22	31.6	14.63	21	31.6	F2	L	C7	10525	C -3413570
57	9.2	8.3W	15 26.784	0.0007	21	-33 35 44.15	0.048	21	0.44	26.772	22	31.6	45.03	21	31.6	K2		C7	10526	C -3314109
58	10.1	9.8W	15 28.880	-0.0017	23	-35 29 54.90	0.004	23	0.38	28.904	15	35.7	54.96	21	35.7	F8	L	C8	10011	C -3513378
59	8.7	7.9W	15 36.648	0.0053	21	-34 18 18.87	-0.046	21	0.44	36.552	22	31.6	18.03	21	31.6	K0		C7	10527	C -3413573
60	10.6	9.4W	15 39.058	-0.0005	21	-30 24 49.70	0.004	21	0.44	39.068	22	31.6	49.77	21	31.6			C7	10528	C -3016874
61		7.0T	15 43.889	-0.0008	14	-33 22 7.60	-0.132	13	0.72	43.928	19	00.5	0.98	19	99.9	G0		GC	26617K	C*-3314114
62	10.1	8.4W	15 50.766	-0.0007	10	-38 51 56.40	-0.010	10	0.23	50.776	15	35.7	56.26	21	35.7	K5		C8	10012	C -3813411
63	10.2	9.6W	15 51.494	0.0018	21	-33 43 15.18	0.046	21	0.44	51.462	22	31.6	16.03	21	31.6	K0	L	C7	10531	C -3314115
64	8.1	7.7W	15 51.612	0.0087	21	-33 15 3.97	-0.030	21	0.44	51.451	22	31.6	3.43	21	31.6	G0		C7	10530	C -3314116
65	9.1	8.2W	15 56.405	-0.0019	21	-31 56 33.40	-0.053	21	0.44	56.439	22	31.6	32.41	21	31.6	K0		C7	10532	C -3215050
66		6.9T	16 1.060	-0.0108	11	-36 59 11.48	-0.028	09	0.53	1.602	15	00.0	9.98	18	97.5	K0		GC	26624	C*-3713135
67	10.0	9.9W	16 4.847	0.0001	18	-37 44 43.90	0.039	18	0.32	4.845	15	35.7	44.46	21	35.7	A3		C8	10014	C -3713136
68	9.5	9.2W	16 8.610	0.0011	13	-35 44 12.84	-0.041	13	0.26	8.595	15	35.7	12.26	21	35.7	F5		C8	10017	C -3513388
69		7.2T	16 10.038	0.0030	15	-36 44 59.40	-0.091	12	0.71	9.893	18	01.2	54.73	19	98.9	F5		GC	26627K	C -3613484
70	9.7	9.0W	16 10.092	0.0018	21	-31 3 52.58	0.050	21	0.44	10.059	22	31.6	53.50	21	31.6	K0		C7	10533	C -3116570
71	8.7	8.5W	16 10.643	-0.0036	13	-35 5 39.77	0.027	13	0.26	10.694	15	35.7	40.16	21	35.7	F0		C8	10019	C -3513389
72	11.1	10.2W	16 11.494	-0.0041	23	-35 6 47.31	0.045	23	0.38	11.554	15	35.7	47.96	21	35.7	F8	L	C8	10020	C -3513390
73	10.1	10.2W	16 13.306	-0.0044	21	-30 10 39.32	0.046	21	0.44	13.388	22	31.6	40.17	21	31.6	G0	L	C7	10534	C -3016885
74	9.2	8.0W	16 17.816	-0.0002	21	-31 46 48.60	-0.026	21	0.44	17.819	22	31.6	48.11	21	31.6	K2		C7	10535	C -3116573
75		5.6H	16 21.296	0.0004	04	-35 30 51.35	-0.012	04	0.13	21.286	08	25.2	51.04	08	23.7	B5		F4	1561	C -3513393
76	9.7	9.2W	16 29.016	0.0027	13	-39 30 38.56	-0.105	13	0.26	28.977	15	35.7	37.06	21	35.7	G5		C8	10022	C -3913226
77	9.5	8.0W	16 43.615	-0.0038	21	-30 47 20.06	-0.047	21	0.44	43.655	22	31.6	19.20	21	31.6	K2		C7	10536	C -3016902
78	9.4	8.9W	16 45.028	0.0054	21	-30 33 35.69	-0.157	21	0.44	44.929	22	31.6	32.80	21	31.6	K0		C7	10537	C -3016903
79	10.4	9.7W	16 45.243	-0.0025	21	-30 37 36.98	-0.010	21	0.44	45.289	22	31.6	36.80	21	31.6	K0	L	C7	10538	C -3016905
80	10.4	10.6W	16 51.406	0.0021	21	-30 21 25.85	0.028	21	0.44	51.368	22	31.6	26.37	21	31.6	A0	L	C7	10539	C -3016906
81	9.7	7.9W	16 53.385	0.0008	13	-36 19 17.05	-0.035	13	0.26	53.374	15	35.7	16.56	21	35.7	MA		C8	10023	C -3613488
82	9.4	9.7W	16 56.064	0.0002	21	-32 21 4.63	-0.109	21	0.44	56.059	22	31.6	2.61	21	31.6	A0		C7	10540	C -3215065
83		8.0T	16 56.327	0.0000	17	-33 33 19.60	-0.008	13	0.75	56.326	18	03.7	19.20	18	01.7	A3		GC	26641	C -3314129
84	9.2	9.5W	16 58.535	0.0001	13	-36 8 32.00	-0.010	13	0.26	58.535	15	35.7	31.86	21	35.7	A0		C8	10025	C -3613489
85	8.7	8.5W	17 0.745	0.0014	13	-38 15 10.63	0.002	13	0.26	0.725	15	35.7	10.66	21	35.7	F0		C8	10026	C -3813420
86	10.2	8.9W	17 2.473	0.0001	21	-34 21 46.39	-0.025	21	0.44	2.472	22	31.6	45.93	21	31.6	K5		C7	10542	C -3413594
87	9.4	9.4W	17 9.624	-0.0041	21	-31 49 26.38	0.013	21	0.44	9.699	22	31.6	26.61	21	31.6	A5		C7	10543	C -3116586
88	10.0	9.9W	17 10.484	-0.0035	21	-30 56 8.51	0.005	21	0.44	10.549	22	31.6	8.60	21	31.6	F8	L	C7	10544	C -3116587
89	10.0	9.6W	17 11.295	0.0029	21	-33 23 6.14	-0.012	21	0.44	11.241	22	31.6	5.93	21	31.6	G0		C7	10545	C -3314131
90	10.5	9.0W	17 12.678	-0.0005	07	-37 29 27.36	0.021	07	0.21	12.685	15	35.7	27.66	21	35.7	G5		C8	10027	C -3713145
91		6.6T	17 13.347	-0.0002	07	-31 54 42.02	0.005	06	0.34	13.357	12	02.5	42.27	12	98.7	K5		GC	26648	C -3215071
92	10.6	9.8W	17 17.586	0.0009	21	-31 57 48.33	-0.017	21	0.44	17.569	22	31.6	48.01	21	31.6			C7	10547	C -3215072
93	10.8	9.3W	17 20.529	-0.0017	21	-31 46 37.20	-0.037	21	0.44	20.559	22	31.6	36.51	21	31.6	K0	L	C7	10548	C -3116590
94	10.3	9.8W	17 22.620	0.0018	21	-30 1 21.05	-0.037	21	0.44	22.588	22	31.6	20.37	21	31.6	G5	L	C7	10549	C -3016916
95		7.2T	17 22.983	0.0028	14	-38 50 25.15	-0.021	10	0.65	22.848	19	01.0	24.04	19	96.0	K2		GC	26657	C -3813422
96	9.5	9.0W	17 27.770	0.0010	09	-38 30 15.97	-0.064	09	0.22	27.756	15	35.7	15.06	21	35.7	G0		C8	10029	C -3813423
97	10.3	9.5W	17 31.056	-0.0002	21	-32 21 17.08	-0.014	21	0.44	31.059	22	31.6	16.81	21	31.6	G5		C7	10550	C -3215079
98	11.1	9.6W	17 32.374	0.0001	23	-35 6 49.63	0.009	23	0.38	32.574	15	35.7	49.76	21	35.7	K2	L	C8	10030	C -3513411
99	10.3	10.2W	17 37.347	0.0009	21	-32 34 57.61	-0.032	21	0.44	37.331	22	31.6	57.03	21	31.6	F5		C7	10551	C -3215083
100		7.9Y	17 38.747	0.0003	21	-33 8 42.52	-0.114	21	0.44	38.741	22	31.6	40.43	21	31.6			C7	10552	C -3314136

211200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 19H DM NUMBER
1		9.1Y	19 17 39.617	-0.0002	21	-33 8 50.37	-0.095	21	0.44	39.621	22	31.6	48.63	21	31.6	GO		C7	10553	C -3314136
2	9.6	9.4W	17 47.207	0.0046	21	-33 26 56.04	0.015	21	0.44	47.121	22	31.6	56.33	21	31.6	GO		C7	10554	C -3314138
3	10.0	8.6W	17 50.983	0.0002	21	-31 18 1.33	0.020	21	0.44	50.979	22	31.6	1.70	21	31.6	K2		C7	10555	C -3116599
4	10.6	9.1W	17 51.359	-0.0028	21	-33 7 47.86	-0.035	21	0.44	51.411	22	31.6	47.23	21	31.6	MA		C7	10556	C -3314141
5	8.8	8.7W	18 2.374	0.0017	21	-34 50 16.68	-0.029	21	0.44	2.343	22	31.6	16.14	21	31.6	F8		C7	10557	C -3413610
6		6.5T	18 11.656	0.0086	12	-35 4 38.84	-0.098	12	0.66	11.217	19	99.1	33.85	18	98.8	G5		GC	26679	C -3513422
7	9.8	9.4W	18 29.072	-0.0135	18	-38 4 20.64	-0.062	18	0.32	29.265	15	35.7	19.76	21	35.7	GO		C8	10035	C -3813427
8	10.8	9.8W	18 29.382	-0.0009	21	-31 0 55.49	-0.005	21	0.44	29.399	22	31.6	55.40	21	31.6	KO	L	C7	10558	C -3116608
9	10.6	9.6W	18 40.301	0.0033	18	-35 47 35.36	0.000	18	0.32	40.254	15	35.7	35.36	21	35.7	KO	L	C8	10037	C -3513430
10	9.3	8.8W	18 43.324	0.0042	13	-35 57 48.93	-0.019	13	0.26	43.264	15	35.7	48.66	21	35.7	G5		C8	10038	C -3613504
11	11.2	10.2W	18 43.879	-0.0044	21	-32 4 56.27	-0.008	21	0.44	43.959	22	31.6	56.11	21	31.6			C7	10559	C -3215101
12	9.6	8.4W	18 49.375	0.0021	18	-37 18 57.57	0.006	18	0.32	49.345	15	35.7	57.66	21	35.7	G5		C8	10039	C -3713152
13	9.3	9.6W	19 3.669	0.0000	21	-30 46 12.33	0.009	21	0.44	3.669	22	31.6	12.50	21	31.6	A0		C7	10560	C -3016953
14	8.5	8.8W	19 8.203	0.0022	21	-32 30 15.59	0.018	21	0.44	8.161	22	31.6	15.93	21	31.6	A0		C7	10561	C -3215108
15	8.7	6.9W	19 12.731	0.0006	21	-32 1 57.95	-0.007	21	0.44	12.719	22	31.6	57.81	21	31.6	MA		C7	10562	C -3215110
16	10.0	10.0W	19 26.605	-0.0013	21	-31 26 58.51	-0.001	21	0.44	26.629	22	31.6	58.50	21	31.6	FO	L	C7	10563	C -3116622
17	9.7	8.1W	19 34.071	0.0017	21	-32 35 59.16	-0.024	21	0.44	34.041	22	31.6	58.73	21	31.6	MB		C7	10564	C -3215117
18	8.3	8.0W	19 38.190	0.0075	21	-33 0 36.31	-0.434	21	0.44	38.051	22	31.6	28.33	21	31.6	GO		C7	10565	C -3314164
19	11.0	9.9W	19 42.546	-0.0017	21	-30 14 11.23	-0.014	21	0.44	42.578	22	31.6	10.97	21	31.6	G5	L	C7	10566	C -3016969
20	9.5	8.5W	19 45.207	0.0016	13	-35 14 39.13	0.002	13	0.26	45.184	15	35.7	39.16	21	35.7	KO		C8	10041	C -3513447
21	10.4	9.2W	19 50.659	-0.0022	21	-32 9 8.13	-0.006	21	0.44	50.699	22	31.6	8.01	21	31.6	K5		C7	10567	C -3215121
22	11.2	10.3W	19 51.197	0.0009	13	-35 27 13.24	-0.027	13	0.26	51.184	15	35.7	12.86	21	35.7			C8	10044	C -3513448
23	9.6	9.3W	19 53.861	-0.0051	13	-35 28 52.33	0.002	13	0.26	53.934	15	35.7	52.36	21	35.7	FO		C8	10046	C -3513450
24	9.6	9.6W	19 56.045	-0.0042	21	-34 43 59.80	-0.003	21	0.44	56.123	22	31.6	59.75	21	31.6	A3		C7	10569	C -3413630
25	10.7	9.9W	20 1.555	-0.0040	21	-30 32 5.59	0.017	21	0.44	1.629	22	31.6	5.90	21	31.6	G5	L	C7	10570	C -3016971
26	10.4	9.4W	20 19.660	-0.0005	21	-30 32 29.48	0.023	21	0.44	19.669	22	31.6	29.90	21	31.6	G5	L	C7	10571	C -3016980
27	8.6	8.4W	20 23.671	0.0004	18	-37 10 27.96	-0.035	18	0.32	23.665	15	35.7	27.46	21	35.7	F5		C8	10051	C -3713160
28	9.8	8.3W	20 25.139	-0.0010	21	-30 20 5.04	0.018	21	0.44	25.158	22	31.6	5.37	21	31.6	K5		C7	10572	C -3016983
29		6.9T	20 32.515	0.0017	06	-35 3 52.85	-0.005	07	0.25	32.447	07	10.6	52.67	09	12.2	KO		GC	26740	C*-3513453
30	9.7	10.0W	20 38.004	-0.0036	21	-31 47 31.05	-0.018	21	0.44	38.069	22	31.6	30.71	21	31.6	A0		C7	10573	C -3116638
31	10.1	10.0W	20 39.154	-0.0020	21	-33 43 40.25	0.004	21	0.44	39.192	22	31.6	40.33	21	31.6	GO	L	C7	10574	C -3314183
32	9.4	8.2W	20 43.031	0.0026	13	-36 2 18.47	-0.036	13	0.26	42.995	15	35.7	17.96	21	35.7	KO		C8	10055	C -3613518
33	11.1	9.3W	20 45.917	-0.0006	10	-38 9 46.93	0.016	10	0.23	45.925	15	35.7	47.16	21	35.7	K2		C8	10057	C -3813446
34		7.7T	20 46.242	0.0012	13	-33 38 23.54	0.006	12	0.69	46.180	19	98.8	23.85	18	96.8	A5		GC	26745	C -3314186
35	10.7		20 56.783	0.0006	18	-38 27 15.53	-0.019	18	0.32	56.775	15	35.7	15.26	21	35.7	A0		C8	10059	C -3813450
36	10.2	9.4W	20 58.527	0.0015	21	-32 1 48.23	-0.006	21	0.44	58.499	22	31.6	48.11	21	31.6	G5		C7	10576	C -3215133
37	9.5	10.0W	21 13.978	0.0010	21	-32 26 55.21	0.006	21	0.44	13.959	22	31.6	55.31	21	31.6	A0		C7	10577	C*-3215139
38	10.5	9.8W	21 20.829	-0.0017	21	-31 42 11.93	-0.060	21	0.44	20.859	22	31.6	10.81	21	31.6	G5	L	C7	10578	C -3116651
39	10.1	9.3W	21 22.627	0.0019	21	-32 59 13.99	0.029	21	0.44	22.591	22	31.6	14.53	21	31.6	KO		C7	10580	C*-3314190
40	10.0	9.7W	21 22.654	0.0062	21	-32 1 16.34	-0.148	21	0.44	22.539	22	31.6	13.61	21	31.6	GO		C7	10579	C -3215143
41		7.7T	21 23.143	0.0043	10	-30 53 58.23	-0.115	09	0.53	22.913	17	96.1	51.79	17	93.8	G5		GC	26765	C -3116655
42	9.0	9.0W	21 37.343	-0.0007	13	-35 4 24.10	-0.010	13	0.26	37.354	15	35.7	23.96	21	35.7	A0		C8	10061	C -3513472
43	10.9	9.5W	21 38.938	0.0003	13	-35 34 46.26	0.021	13	0.26	38.934	15	35.7	46.56	21	35.7	K2		C8	10062	C -3513473
44	10.1	8.7W	21 40.173	0.0006	18	-37 38 47.34	-0.041	18	0.32	40.165	15	35.7	46.76	21	35.7	KO		C8	10064	C -3713169
45	9.9	8.8W	21 42.969	0.0005	21	-32 0 23.72	-0.038	21	0.44	42.959	22	31.6	23.01	21	31.6	KO		C7	10582	C -3215149
46	8.0	8.3W	21 43.437	0.0021	13	-39 57 4.72	-0.039	13	0.26	43.407	15	35.7	4.16	21	35.7	A0		C8	10065	C -4013259
47	8.6	8.5W	21 53.415	0.0008	21	-32 20 10.25	-0.002	21	0.44	53.399	22	31.6	10.21	21	31.6	FO		C7	10583	C -3215154
48	10.6	9.4W	22 0.329	-0.0017	13	-36 28 5.66	-0.014	13	0.26	0.354	15	35.7	5.46	21	35.7	G5		C8	10068	C -3613527
49	10.7	10.1W	22 1.400	-0.0043	21	-31 25 43.36	0.067	21	0.44	1.479	22	31.6	44.60	21	31.6	G5	L	C7	10584	C -3116672
50	9.9	8.9W	22 20.790	-0.0006	21	-34 22 58.38	0.030	21	0.44	20.802	22	31.6	58.93	21	31.6	K2		C7	10585	C -3413663
51	9.1	8.6W	19 22 21.804	0.0020	21	-30 23 42.54	-0.009	21	0.44	21.768	22	31.6	42.37	21	31.6	G5		C7	10586	C -3017008
52	9.7	8.6W	22 28.796	-0.0001	13	-39 42 59.34	0.036	13	0.26	28.797	15	35.7	59.86	21	35.7	G5		C8	10071	C -3913265
53	8.5	8.7W	22 32.331	0.0005	21	-34 30 21.33	-0.032	21	0.44	32.323	22	31.6	20.75	21	31.6	A2		C7	10587	C -3413666
54	8.3	8.7W	22 38.576	-0.0017	21	-30 12 25.71	-0.024	21	0.44	38.608	22	31.6	25.27	21	31.6	A0		C7	10588	C -3017014
55	10.6	9.2W	22 41.177	-0.0002	21	-32 45 34.80	-0.026	21	0.44	41.181	22	31.6	34.33	21	31.6	K2		C7	10589	C -3215163
56	10.3	9.4W	22 49.968	0.0010	21	-31 33 24.61	-0.027	21	0.44	49.949	22	31.6	24.11	21	31.6	G5		C7	10590	C -3116683
57	10.5	9.5W	22 50.655	-0.0030	21	-32 10 43.51	-0.032	21	0.44	50.709	22	31.6	42.91	21	31.6	KO		C7	10591	C -3215167
58	10.0	9.6W	22 50.911	0.0011	21	-34 9 39.86	-0.029	21	0.44	50.892	22	31.6	39.33	21	31.6	G5		C7	10592	C -3413669
59	10.4	10.0W	22 53.929	0.0059	21	-32 42 21.50	-0.026	21	0.44	53.821	22	31.6	21.03	21	31.6	GO		C7	10593	C -3215168
60	9.7	9.3W	23 1.241	0.0039	18	-38 20 4.63	-0.026	18	0.32	1.185	15	35.7	4.26	21	35.7	GO		C8	10072	C -3813467
61		9.6Y	23 4.750	-0.0004	21	-30 6 59.32	0.008	21	0.44	4.758	22	31.6	59.47	21	31.6			C7	10594	C -3017024
62	9.1	9.4W	23 22.609	-0.0028	21	-32 46 48.14	0.015	21	0.44	22.661	22	31.6	48.43	21	31.6	A0		C7	10595	C -3215176
63	9.7	9.4W	23 23.709	-0.0064	21	-30 29 20.07	-0.060	21	0.44	23.828	22	31.6	18.97	21	31.6	GO		C7	10596	C -3017028
64	8.9	9.0W	23 24.864	0.0008	21	-31 23 26.58	0.023	21	0.44	24.849	22	31.6	27.00	21	31.6	A2		C7	10597	C -3116695
65	9.5	9.2W	23 27.259	0.0038	18	-37 44 39.13	-0.026	18	0.32	27.205	15	35.7	38.76	21	35.7	F8		C8	10075	C -3713186
66	10.6	9.2W	23 28.602	0.0001	21	-31 42 25.68	0.002	21	0.44	28.599	22	31.6	25.71	21	31.6	K2		C7	10598	C -3116696
67	10.1	10.0W	23 28.878	0.0001	13	-39 5 40.03	0.002	13	0.26	28.876	15	35.7	40.06	21	35.7	FO		C8	10076	C -3913276
68	9.8	8.9W	23 33.032	0.0022	21	-34 12 50.74	-0.006	21	0.44	32.992	22	31.6	50.63	21	31.6	KO		C7	10599	C -3413678
69	10.2	9.4W	23 33.504	-0.0002	21	-30 24 1.35	-0.010	21	0.44	33.508	22	31.6	1.17	21	31.6	KO		C7	10600	C -3017031
70	10.9	9.8W	23 41.154	0.0014	13	-35 15 35.38	-0.023	13	0.26	41.134	15	35.7	35.06	21	35.7	KO	L	C8	10078	C -3513493
71	9.9E	8.8Z	23 44.103	0.0011	12	-39 58 53.51	-0.035	12	0.86	44.046	63	98.7	51.73	57	98.7	F8		CZ	18175	P -40 8988
72	10.2E	9.1Z	23 44.955	0.0016	12	-39 58 49.16	-0.037	12	0.86	44.873	63	98.7	47.27	57	98.7	F8		CZ	18176	P -40 8988
73	8.5	8.9W	23 51.822	0.0012	21	-31 47 17.50	0.001	21	0.44	51.799	22	31.6	17.51	21	31.6	B9		C7	10601	C -3116699
74	10.4	9.6W	23 52.138	0.0026	21	-32 14 58.98	-0.025	21	0.44	52.089	22	31.6	58.51	21	31.6	KO		C7	10602	C -3215183
75	10.8	9.0W	23 55.452	-0.0029	13	-36 12 7.71	-0.032	13	0.26	55.494	15	35.7	7.26	21	35.7	K5		C8	10079	C -3613539
76	10.3	9.1W	23 58.825	-0.0002	21	-31 27 1.72	-0.012	21	0.44	58.829	22	31.6	1.50	21	31.6	K2		C7	10603	C -3116703
77	9.0	8.2W	24 8.307	-0.0001	21	-31 3 7.37	-0.020	21	0.44	8.309	22	31.6	7.00	21	31.6	KO		C7	10604	C -3116708
78	9.5	9.2W	24 13.222	0.0020	13	-36 10 22.46	0.000	13	0.26	13.194	15	35.7	22.46	21	35.7	A3		C8	10081	C -3613542
79	10.4	9.5W	24 20.472	-0.0017	18	-38 54 19.16	0.007	18	0.32	20.496	15	35.7	19.26	21	35.7	G5		C8	10082	C -3913282
80	10.2	9.9W	24 20.480	-0.0011	13	-39 0 46.40	-0.108	13	0.26	20.496	15	35.7	44.86	21	35.7	GO		C8	10083	C -3913281
81	9.4	9.0W	24 21.281	-0.0026	21	-31 29 5.90	-0.049	21	0.44	21.329	22	31.6	5.00	21	31.6	GO		C7	10605	C -3116712
82	10.2	8.9W	24 34.116	-0.0027	13	-38 24 54.03	-0.012	13	0.26	34.155	15	35.7	53.86	21	35.7	KO		C8	10084	C -3813486
83	10.5	9.7W	24 39.237	-0.0022	21	-30 24 20.00	0.004	21	0.44	39.278	22	31.6	20.07	21	31.6	KO		C7	10606	C -3017049
84	9.7	9.2W	24 59.264	-0.0022	18	-38 28 24.48	-0.058	18	0.32	59.295	15	35.7	23.66	21	35.7	GO		C8	10085	C -3813488
85	9.4	9.2W	24 59.568	-0.0026	13	-37 18 30.10	-0.010	13	0.26	59.605	15	35.7	29.96	21	35.7	A2		C8	10086	C -3713200
86	10.4	9.0W	25 1.420	0.0017	21	-30 58 40.32	0.015	21	0.44	1.389	22	31.6	40.60	21	31.6	K5		C7	10607	C -3116721
87		8.6T	25 3.036	0.0005	14	-35 14 3.88	-0.181	12	0.69	3.010	18	00.9	54.40	17	97.5	GO		GC	26867	C -3513506
88	9.1	8.8W	25 5.164	0.0013	18	-37 5 30.94	-0.027	18	0.32	5.145	15	35.7	30.56	21	35.7	A3		C8	10088	C -3713201
89		9.8T	25 14.515	-0.0023	16	-35 14 10.05	-0.031	15	0.79	14.626	21	00.9	8.52	19	99.8	GO		GC	26874	C -3513510
90	8.6	7.7W	25 15.784	-0.0008	21	-31 29 19.52	-0.099	21	0.44	15.799	22	31.6	17.70	21	31.6	G5		C7	10608	C -3116725
91	10.2	10.0W	25 21.374	0.0014	21	-31 5 47.34	-0.002	21	0.44	21.349	22	31.6	47.30	21	31.6	GO	L	C7	10609	C -3116727
92	10.0	10.0W	25 24.972	-0.0010	21	-31 43 56.25	-0.034	21	0.44	24.989	22	31.6	55.61	21	31.6	F8		C7	10610	C -3116728
93	10.6	9.4W	25 26.368	-0.0001	21	-32 24 35.07	0.019	21	0.44	26.369	22	31.6	35.41	21	31.6	KO		C7	10611	C -3215204
94	9.7	8.9W	25 27.093	0.0018	21	-32 20 6.81	0.055	21	0.44	27.059	22	31.6	7.81	21	31.6	KO		C7	10612	C -3215205
95		7.1T	25 27.915	0.0005	13	-36 6 12.86	-0.002	12	0.65	27.890	15	01.5	12.79	18	00.0	B9		GC	26877	C -3613552
96	10.0	8.9W	25 35.495	-0.0006	13	-35 59 29.34	-0.020	13	0.26	35.505	15	35.7	29.06	21	35.7	G5		C8	10093	C -3613554
97	11.0	10.2W	25 39.937	-0.0007	21	-31 52 57.42	0.049	21	0.44	39.949	22	31.6	58.31	21	31.6	G5	L	C7	10613	C -3215210
98	8.3	8.1W	25 42.891	0.0005	13	-35 54 12.43	-0.047	13	0.26	42.884	15	35.7	11.76	21	35.7	A0		C8	10095	C -3613557
99	10.5	9.4W	25 58.436	-0.0006	21	-30 10 14.11	0.036	21	0.44	58.448	22	31.6	14.77	21	31.6	K5		C7	10614	C -3017079
00	10.3	9.2W	26 5.048	0.0005	21	-31 12 36.76	0.013	21	0.44	5.039	22	31.6	37.00	21	31.6	K2		C7	10615	C -3116741

211300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 19H DM NUMBER
1	8.4	8.2W	19 26 12.501	-0.0017	21	-32 37 9.68	-0.063	21	0.44	12.531	22	31.6	-59.53	21	31.6	F8		C7	10616	C -3215216
2	9.6	9.1W	26 18.719	-0.0006	21	-31 51 52.58	-0.009	21	0.44	18.729	22	31.6	52.41	21	31.6	G5		C7	10617	C -3215220
3		7.6T	26 20.386	0.0019	16	-35 11 19.36	-0.082	13	0.76	20.291	15	00.6	15.24	18	99.4	K0		GC	26896	C* -3513526
4	9.9	9.7W	26 20.959	0.0010	21	-34 2 37.06	-0.018	21	0.44	20.942	22	31.6	36.73	21	31.6	F2		C7	10618	C -3413708
5		7.1T	26 29.808	0.0014	10	-30 53 54.84	-0.259	06	0.51	29.736	15	97.3	40.39	15	94.2	G0		GC	26901	C -3116750
6	9.6	9.1W	26 30.576	-0.0034	13	-37 8 32.74	-0.041	13	0.26	30.625	15	35.7	32.16	21	35.7	G0		C8	10104	C -3713212
7	9.8	8.1W	26 30.687	0.0002	13	-36 24 0.69	-0.037	13	0.26	30.684	15	35.7	0.16	21	35.7	K2		C8	10105	C -3613562
8	10.6	9.1W	26 34.460	-0.0001	21	-34 43 56.12	0.001	21	0.44	34.462	22	31.6	56.14	21	31.6	MA		C7	10620	C -3413711
9	9.4	8.3W	26 37.705	-0.0015	10	-38 40 17.27	-0.029	10	0.23	37.726	15	35.7	16.86	21	35.7	G5		C8	10107	C -3813508
10	9.5	8.7W	26 38.176	0.0014	21	-32 0 17.81	-0.043	21	0.44	38.149	22	31.6	17.01	21	31.6	K2		C7	10621	C -3215225
11	8.8	8.5W	26 38.321	-0.0045	06	-39 25 24.46	0.000	06	0.20	38.386	15	35.7	24.46	21	35.7	F8		C8	10108	C -3913300
12	10.0	10.0W	26 40.365	-0.0014	18	-36 51 23.40	-0.010	18	0.32	40.386	15	35.7	23.26	21	35.7	A2		C8	10109	C -3613215
13	10.2	9.5W	26 55.747	0.0016	21	-30 0 37.64	0.045	21	0.44	55.718	22	31.6	38.47	21	31.6	K0		C7	10622	C -3017080
14	10.7	10.0W	27 1.512	0.0018	21	-30 59 34.60	0.038	21	0.44	1.479	22	31.6	35.30	21	31.6	G2	L	C7	10623	C -3116758
15		6.5T	27 1.673	0.0066	12	-32 11 46.84	-0.064	12	0.60	1.350	15	01.1	43.66	17	00.3	F2		GC	26918	C -3215233
16	11.4	9.8W	27 7.656	0.0036	30	-35 9 00.00	0.032	30	0.47	7.604	15	35.7	0.46	21	35.7	K0	L	C8	10110	C -3513534
17	9.1	8.4W	27 13.610	-0.0006	21	-34 1 0.54	-0.017	21	0.44	13.622	22	31.6	0.23	21	31.6	K0		C7	10625	C -3413722
18	10.2	9.7W	27 14.588	-0.0033	13	-38 4 20.16	-0.042	13	0.26	14.635	15	35.7	19.56	21	35.7	G0		C8	10111	C -3813517
19	9.3	9.2W	27 15.357	0.0020	21	-31 55 42.89	-0.015	21	0.44	15.319	22	31.6	42.61	21	31.6	F5		C7	10626	C -3215234
20	10.1	9.5W	27 18.651	0.0025	15	-38 6 38.78	0.054	15	0.28	18.615	15	35.7	39.56	21	35.7	F8		C8	10113	C -3813519
21	9.5	8.6W	27 26.621	0.0004	09	-38 13 38.11	0.010	09	0.22	26.615	15	35.7	38.26	21	35.7	G5		C8	10114	C -3813521
22	10.5	9.1W	27 28.391	-0.0011	21	-33 51 37.97	-0.002	21	0.44	28.411	22	31.6	37.93	21	31.6	K5		C7	10627	C -3413728
23	10.6	10.4W	27 31.321	-0.0044	18	-36 9 28.96	0.007	18	0.32	31.384	15	35.7	29.06	21	35.7	G0		C8	10115	C -3613571
24	8.8	9.3W	27 42.592	0.0008	21	-30 10 22.87	0.028	21	0.43	42.578	22	32.1	23.37	21	32.1	A0		C7	10628	C -3017107
25		7.1T	27 43.739	0.0043	13	-32 48 15.17	-0.062	13	0.68	43.528	18	01.1	12.09	18	00.4	F2		GC	26930	C -3215238
26	10.5	10.3W	27 52.091	-0.0002	18	-35 42 2.79	-0.016	18	0.32	52.094	15	35.7	2.56	21	35.7	F8	L	C8	10117	C -3513545
27	9.8	9.1W	28 2.125	-0.0014	21	-31 50 44.38	0.008	21	0.43	2.149	22	32.1	44.51	21	32.1	K0		C7	10630	C -3116772
28	10.5	9.6W	28 5.261	-0.0021	21	-31 19 51.13	0.004	21	0.43	5.319	22	32.1	51.20	21	32.1	G5		C7	10631	C -3116774
29	9.7	9.7W	28 18.010	0.0027	21	-33 31 8.48	0.025	21	0.43	17.962	22	32.1	8.94	21	32.1	G0		C7	10632	C -3314282
30	9.3	9.3W	28 24.452	0.0011	18	-38 36 15.42	-0.011	18	0.32	24.436	15	35.7	15.26	21	35.7	A2		C8	10120	C -3813533
31		8.0T	28 28.901	-0.0011	12	-36 3 55.30	0.009	11	0.59	28.954	17	01.6	55.78	17	98.9	F5		GC	26948	C -3613580
32	9.3	9.8W	28 30.976	-0.0002	21	-31 59 0.54	-0.007	21	0.43	30.979	22	32.1	0.41	21	32.1	A0		C7	10633	C -3215253
33	9.9	9.7W	28 33.018	0.0006	21	-30 1 27.18	-0.034	21	0.43	33.008	22	32.1	26.57	21	32.1	G0		C7	10634	C -3017117
34	10.8	9.7W	28 36.085	0.0014	21	-32 18 36.49	-0.015	21	0.43	36.060	22	32.1	36.21	21	32.1	K	L	C7	10635	C -3215258
35	10.0	9.6W	28 39.316	0.0001	18	-37 17 0.60	-0.031	18	0.32	39.315	15	35.7	0.16	21	35.7	F0		C8	10122	C -3713226
36	9.7	9.5W	28 55.237	-0.0043	21	-33 8 40.72	0.039	21	0.43	55.161	22	32.1	41.43	21	32.1	G0		C7	10636	C -3314288
37	10.1	10.1W	28 57.594	-0.0003	21	-30 32 56.46	0.008	21	0.43	57.599	22	32.1	56.60	21	32.1	G0		C7	10637	C -3017122
38	9.1	8.9W	29 0.382	0.0024	21	-30 51 15.87	-0.032	21	0.43	0.339	22	32.1	15.30	21	32.1	G0		C7	10638	C -3017123
39	9.4	9.8W	29 1.263	-0.0015	21	-33 17 14.25	0.004	21	0.43	1.291	22	32.1	14.33	21	32.1	A0		C7	10639	C -3314290
40	9.1	8.0W	29 4.582	0.0063	21	-31 10 57.10	-0.000	21	0.43	4.469	22	32.1	57.10	21	32.1	K2		C7	10640	C -3116792
41	10.5	9.0W	29 6.996	-0.0003	21	-33 51 51.70	-0.021	21	0.43	7.002	22	32.1	51.34	21	32.1	MB		C7	10641	C -3413747
42	10.1	9.9W	29 8.827	-0.0043	21	-32 51 57.28	-0.031	21	0.43	8.751	22	32.1	56.73	21	32.1	G5		C7	10642	C -3314292
43	9.4	8.5W	29 13.622	-0.0253	09	-35 33 41.94	0.134	09	0.22	13.984	15	35.7	43.86	21	35.7	K2		C8	10126	C -3513554
44	10.0	9.5W	29 14.865	-0.0035	13	-38 15 36.11	-0.067	13	0.26	14.915	15	35.7	35.16	21	35.7	G0		C8	10127	C -3813542
45		6.7T	29 17.751	0.0033	09	-30 58 35.05	-0.020	09	0.53	17.574	14	95.8	33.94	15	94.0	M0		GC	26967	C* -3116797
46	9.3	8.7W	29 17.903	0.0030	21	-31 4 36.63	0.064	21	0.43	17.849	22	32.1	37.60	21	32.1	K0		C7	10644	C -3116796
47	8.9	9.1W	29 18.910	-0.0017	21	-33 0 35.14	0.010	21	0.43	18.941	22	32.1	35.33	21	32.1	A2		C7	10645	C -3314295
48	10.3	9.2W	29 19.305	-0.0008	21	-31 25 54.10	0.011	21	0.43	19.319	22	32.1	54.30	21	32.1	K5		C7	10646	C -3116798
49	10.1	10.2W	29 28.975	0.0008	21	-32 4 16.46	0.009	21	0.43	28.960	22	32.1	16.61	21	32.1	F5	L	C7	10647	C -3215268
50	9.1	8.7W	29 29.894	-0.0009	13	-39 50 53.33	-0.047	13	0.26	29.907	15	35.7	52.66	21	35.7	G0		C8	10128	C -3913326
51	11.4	9.9W	19 29 45.870	0.0039	30	-36 6 51.85	-0.014	30	0.47	45.814	15	35.7	51.66	21	35.7			C8	10130	C -3613595
52	10.5	10.4W	29 47.341	-0.0002	18	-34 57 19.00	0.059	18	0.32	47.344	15	35.7	19.85	21	35.7	F2		C8	10131	C -3513560
53	9.6	9.3W	29 48.319	0.0015	21	-34 30 28.10	-0.020	21	0.43	48.293	22	32.1	27.75	21	32.1	G0		C7	10648	C -3413753
54	9.2	9.0W	29 49.238	-0.0034	21	-30 41 36.22	-0.018	21	0.43	49.299	22	32.1	35.90	21	32.1	F8		C7	10649	C -3017135
55		6.7T	29 53.214	0.0006	10	-30 28 15.80	-0.044	09	0.57	53.182	17	94.3	13.23	17	92.2	K0		GC	26987	C -3017138
56	9.5	10.1W	29 58.849	-0.0011	21	-30 47 2.51	0.044	21	0.43	58.869	22	32.1	3.30	21	32.1	A0		C7	10651	C -3017141
57	9.3	8.9W	30 2.498	-0.0007	18	-37 44 15.77	-0.034	18	0.32	2.509	15	35.7	15.28	21	35.7	F5		C8	10133	C -3713236
58	10.2	10.0W	30 7.255	-0.0024	18	-38 39 46.26	-0.026	18	0.32	7.289	15	35.7	45.88	21	35.7	F8		C8	10135	C -3813551
59	9.9	9.1W	30 9.363	0.0016	21	-32 53 42.29	-0.036	21	0.43	9.354	22	32.1	41.65	21	32.1	K0		C7	10652	C -3314304
60	10.6	9.8W	30 13.947	0.0038	21	-30 11 57.84	0.031	21	0.43	13.880	22	32.1	58.39	21	32.1	K0	L	C7	10653	C -3017145
61		6.9T	30 26.459	-0.0003	12	-34 18 22.82	-0.032	11	0.62	26.472	17	98.8	21.08	18	95.3	A0		GC	26999	C -3413760
62	10.0	9.3W	30 27.722	0.0015	21	-34 38 19.70	-0.007	21	0.43	27.695	22	32.1	19.57	21	32.1	G5		C7	10655	C -3413759
63	10.5	9.8W	30 28.344	-0.0014	21	-30 14 28.38	0.012	21	0.43	28.320	22	32.1	28.59	21	32.1	K0	L	C7	10656	C -3017152
64	10.8	9.9W	30 30.639	-0.0028	21	-30 25 20.66	0.019	21	0.43	30.690	22	32.1	20.99	21	32.1	K0	L	C7	10657	C -3017153
65	9.0	8.7W	30 34.291	-0.0040	15	-36 58 24.86	-0.019	15	0.28	34.349	15	35.7	24.58	21	35.7	F5		C8	10139	C -3713242
66	9.2	8.0W	30 36.733	0.0002	09	-39 53 43.23	-0.031	09	0.22	36.730	15	35.7	42.78	21	35.7	K0		C8	10140	C -4013355
67	10.5	9.3W	30 42.012	-0.0017	21	-31 51 27.05	-0.001	21	0.43	42.042	22	32.1	27.03	21	32.1	K0	L	C7	10658	C -3215286
68	10.4	9.5W	30 42.639	-0.0017	21	-30 1 36.82	-0.018	21	0.43	42.670	22	32.1	36.49	21	32.1	G5	L	C7	10659	C -3017158
69	9.0	8.9W	30 44.894	0.0011	21	-33 15 31.63	-0.021	21	0.43	44.874	22	32.1	31.25	21	32.1	F0		C7	10660	C -3314311
70	10.2	10.2W	30 49.046	-0.0014	21	-30 4 41.13	0.015	21	0.43	49.070	22	32.1	41.39	21	32.1	G5	L	C7	10661	C -3017160
71	9.3	9.2W	30 56.205	-0.0022	21	-32 32 19.80	0.014	21	0.43	56.244	22	32.1	20.05	21	32.1	F5		C7	10662	C -3215292
72	9.4	8.8W	30 56.511	-0.0033	13	-37 38 42.79	-0.154	13	0.26	56.559	15	35.7	40.58	21	35.7	G5		C8	10142	C -3713245
73	9.9	9.5W	31 1.137	-0.0035	13	-36 21 31.80	-0.022	13	0.26	1.188	15	35.7	31.48	21	35.7	G0		C8	10143	C -3613606
74	10.8	9.6W	31 2.004	-0.0016	13	-35 48 36.85	-0.032	13	0.26	2.028	15	35.7	36.38	21	35.7	K2		C8	10144	C -3513572
75	8.9	9.0W	31 7.817	-0.0000	13	-36 9 21.23	0.004	13	0.26	7.818	15	35.7	21.28	21	35.7	B9		C8	10145	C -3613607
76	9.0	9.3W	31 12.833	0.0046	21	-30 3 11.71	0.022	21	0.43	12.750	22	32.1	12.09	21	32.1	A0		C7	10663	C -3017165
77	9.8	9.0W	31 31.320	0.0002	06	-35 51 47.33	-0.080	06	0.20	31.318	15	35.7	46.18	21	35.7	G5		C8	10149	C -3613610
78	9.9	9.5W	31 31.976	-0.0015	13	-35 34 59.70	-0.022	13	0.26	31.998	15	35.7	59.38	21	35.7	F2		C8	10150	C -3513574
79	9.1	8.2W	31 37.884	0.0033	21	-32 54 7.35	-0.000	21	0.43	37.884	22	32.1	7.35	21	32.1	K0		C7	10664	C -3314318
80	10.4	9.2W	31 40.721	-0.0047	13	-38 15 2.34	0.003	13	0.26	40.788	15	35.7	2.38	21	35.7	K0		C8	10151	C -3813561
81	10.1	8.9W	31 41.885	-0.0003	13	-38 34 22.36	-0.061	13	0.26	41.889	15	35.7	21.48	21	35.7	K0		C8	10152	C -3813562
82	10.6	8.9W	31 47.823	0.0019	21	-30 14 11.20	0.056	21	0.43	47.790	22	32.1	12.19	21	32.1	G5	L	C7	10665	C -3017174
83		7.3T	31 53.746	0.0016	08	-31 43 8.27	-0.062	08	0.47	53.660	14	96.8	4.90	15	95.2	A2		GC	27036	C* -3116845
84	10.1	9.3W	31 54.166	0.0007	21	-33 36 45.41	0.036	21	0.43	54.154	22	32.1	46.05	21	32.1	K0		C7	10667	C -3314321
85	8.9E	8.4H	32 0.266	-0.0012	12	-39 58 6.87	-0.025	12	0.86	0.326	63	98.7	5.57	57	98.7	G5		CZ	18263	P -40 9041
86	9.3	9.3W	32 4.870	0.0057	18	-38 10 30.04	-0.060	18	0.32	4.788	15	35.7	29.18	21	35.7	A3		C8	10155	C -3813564
87	9.4	9.4W	32 11.748	0.0015	21	-30 40 54.51	-0.011	21	0.43	11.722	22	32.1	54.32	21	32.1	F0		C7	10668	C -3017184
88	10.0	9.9W	32 13.581	-0.0063	21	-33 52 2.31	0.031	21	0.43	13.694	22	32.1	2.85	21	32.1	F2		C7	10669	C -3413789
89	9.6	8.8W	32 24.817	-0.0007	21	-33 13 7.07	-0.016	21	0.43	24.804	22	32.1	7.35	21	32.1	G5		C7	10670	C -3314327
90	9.8	9.7W	32 29.585	-0.0025	21	-30 5 44.90	-0.017	21	0.43	29.630	22	32.1	43.69	21	32.1	F0		C7	10671	C -3017187
91	9.3	8.4W	32 30.846	0.0001	21	-34 37 16.39	0.027	21	0.43	30.845	22	32.1	16.86	21	32.1	K0		C7	10672	C -3413794
92	9.3	7.7W	32 31.135	0.0056	21	-32 56 0.92	0.080	21	0.43	31.034	22	32.1	2.35	21	32.1	K5		C7	10673	C -3314330
93	9.2	9.6W	32 31.884	0.0012	21	-32 24 57.84	-0.023	21	0.43	31.862	22	32.1	57.43	21	32.1	A0		C7	10674	C -3215326
94	11.0	9.6W	32 31.990	-0.0027	13	-36 32 3.87	-0.006	13	0.26	32.029	15	35.7	3.78	21	35.7			C8	10159	C -3613619
95	10.9	9.6W	32 36.680	-0.0008	21	-33 26 52.68	0.043	21	0.43	36.694	22	32.1	53.45	21	32.1	K2		C7	10675	C -3314333
96		7.3T	32 37.382	0.0003	10	-36 54 59.17	0.003	10	0.56	37.367	17	99.0	59.32	18	96.5	A3		GC	27053K	C* -3713265
97	9.7	9.0W	32 43.129	0.0008	13	-36 14 9.01	-0.009	13	0.26	43.118	15	35.7	8.88	21	35.7	G0		C8	10162	C -3613620
98	9.1	9.0W	32 56.266	-0.0009	13	-36 34 28.02	-0.023	13	0.26	56.279	15	35.7	27.68	21	35.7	A3		C8	10163	C -3613622
99	8.9	8.7W	32 59.504	-0.0017	21	-34 46 4.47	0.006	21	0.43	59.535	22	32.1	4.57	21	32.1	G0		C7	10676	C -3413799
00	10.5	9.9W	33 4.064	0.0012	21	-32 1 21.37	-0.047	21	0.43	4.042	22	32.1	20.53	21	32.1	K0		C7	10677	C -3215334

211400

-30° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6	8.4W	19 33 7.923	0.0017	21	-31 56 43.17	0.009	21	0.43	7.892	22	32.1	43.33	21	32.1	K0	C7	10678	C -3215335
2	10.6	10.3W	33 10.585	-0.0016	18	-37 57 12.37	0.008	18	0.32	10.608	15	35.7	12.48	21	35.7	A5	C8	10164	C -3813576
3	9.4	9.8W	33 11.152	-0.0005	21	-30 40 37.38	0.069	21	0.43	11.162	22	32.1	38.62	21	32.1	A0	C7	10679	C -3017198
4	10.5	10.4W	33 13.224	-0.0014	21	-30 6 9.32	0.027	21	0.43	13.250	22	32.1	9.79	21	32.1	F5 L	C7	10680	C -3017200
5	8.5	8.9W	33 14.088	-0.0013	21	-31 26 47.58	-0.015	21	0.43	14.112	22	32.1	47.32	21	32.1	B9	C7	10681	C -3116866
6		7.0T	33 22.942	0.0007	15	-32 48 10.89	0.002	12	0.67	22.907	15	01.9	11.00	15	00.9	B8	GC	27081	C -3215339
7	9.8	9.1W	33 27.282	0.0028	21	-31 43 24.42	0.023	21	0.43	27.232	22	32.1	24.83	21	32.1	G5	C7	10683	C -3116870
8	10.6	9.9W	33 34.447	-0.0050	18	-37 51 1.49	-0.014	18	0.32	34.519	15	35.7	1.28	21	35.7	G5	C8	10166	C -3813579
9	10.7	9.7W	33 34.824	0.0024	13	-38 55 22.20	-0.008	13	0.26	34.789	15	35.7	22.08	21	35.7	K0	C8	10167	C -3913352
10	9.2	9.7W	33 35.459	0.0008	21	-32 47 47.75	-0.011	21	0.43	35.444	22	32.1	47.55	21	32.1	B8	C7	10684	C -3215344
11	10.9	10.1W	33 35.859	0.0004	21	-32 11 33.11	0.012	21	0.43	35.852	22	32.1	33.33	21	32.1		C7	10685	C -3215345
12	9.7	9.8W	33 38.575	0.0006	21	-34 57 6.30	0.015	21	0.43	38.565	22	32.1	6.56	21	32.1	F0	C7	10686	C -3513594
13	10.5	10.5W	33 41.607	-0.0021	18	-36 3 41.29	-0.014	18	0.32	41.638	15	35.7	41.08	21	35.7	A0	C8	10168	C -3613626
14	10.6	9.3W	33 43.651	-0.0040	21	-31 50 8.50	0.007	21	0.43	43.722	22	32.1	8.63	21	32.1	K2	C7	10687	C -3116875
15	9.2	7.9W	33 47.229	-0.0008	13	-39 51 19.99	-0.063	13	0.26	47.240	15	35.7	19.08	21	35.7	G0	C8	10169	C -4013389
16	9.7	8.1W	33 58.317	0.0012	21	-34 24 12.81	0.025	21	0.43	58.295	22	32.1	13.25	21	32.1	K2	C7	10688	C -3413814
17	10.6	10.0W	33 58.447	0.0009	21	-30 29 30.93	-0.024	21	0.43	58.430	22	32.1	30.49	21	32.1	G5 L	C7	10689	C -3017211
18	8.9	8.3W	34 10.235	-0.0015	13	-35 21 12.63	-0.003	13	0.26	10.257	15	35.7	12.58	21	35.7	F8	C8	10170	C -3513597
19	10.4	9.7W	34 11.420	0.0021	21	-32 6 6.43	-0.039	21	0.43	11.382	22	32.1	5.73	21	32.1	K0	C7	10690	C -3215354
20	10.3	10.6W	34 14.734	-0.0021	21	-31 1 27.40	0.062	21	0.43	14.772	22	32.1	28.52	21	32.1	A2	C7	10691	C#-3116887
21			34 15.890	-0.0019	21	-34 22 11.03	-0.065	21	0.43	15.924	22	32.1	9.86	21	32.1	F5	C7	10692	C -3413817
22	10.1	9.1W	34 16.299	0.0021	13	-36 42 59.99	-0.014	13	0.26	16.269	15	35.7	59.78	21	35.7	G5	C8	10171	C -3613631
23	10.1	9.2W	34 26.858	-0.0015	21	-34 50 6.31	-0.009	21	0.43	26.885	22	32.1	6.47	21	32.1	K0	C7	10693	C -3513603
24	9.6	9.5W	34 30.839	-0.0008	21	-34 18 48.05	-0.022	21	0.43	30.854	22	32.1	47.65	21	32.1	F8	C7	10694	C -3413821
25	10.2	8.8W	34 32.360	0.0025	21	-33 57 0.61	0.003	21	0.43	32.314	22	32.1	0.65	21	32.1	MA	C7	10695	C -3413822
26	9.1	8.8W	34 40.295	0.0012	13	-36 30 34.79	-0.007	13	0.26	40.279	15	35.7	34.68	21	35.7	F8	C8	10174	C -3613636
27		8.0T	34 42.269	0.0027	18	-30 24 33.15	-0.043	18	0.90	42.140	19	01.8	31.09	21	02.2	F2	GC	27124	C -3017230
28	10.0	8.2W	34 44.287	0.0040	18	-38 52 16.56	0.016	18	0.32	44.229	15	35.7	16.78	21	35.7	MA	C8	10175	C -3913360
29		6.8T	34 46.976	0.0025	12	-33 1 33.85	-0.023	12	0.61	46.851	15	00.2	32.73	17	00.6	K0	GC	27128	C -3314358
30	9.2	8.9W	35 6.914	-0.0030	13	-36 9 2.13	0.004	13	0.26	6.958	15	35.7	2.18	21	35.7	F8	C8	10178	C -3613637
31	9.5	9.1W	35 12.163	0.0004	13	-35 59 27.09	-0.007	13	0.26	12.158	15	35.7	26.98	21	35.7	F0	C8	10180	C -3613639
32	10.6	9.6W	35 15.394	-0.0010	21	-31 41 46.86	-0.024	21	0.43	15.412	22	32.1	46.43	21	32.1	K2	C7	10698	C -3116903
33	7.7	7.5W	35 17.975	-0.0061	21	-34 39 40.44	-0.132	21	0.43	18.085	22	32.1	38.06	21	32.1	F5	C7	10699	C -3413830
34	8.7	8.5W	35 29.824	0.0017	13	-39 0 30.59	-0.035	13	0.26	29.799	15	35.7	30.08	21	35.7	F8	C8	10182	C -3913364
35	11.0	10.1W	35 30.561	-0.0000	21	-30 40 8.33	-0.012	21	0.43	30.562	22	32.1	8.12	21	32.1		C7	10700	C -3017239
36	10.5	10.4W	35 40.602	0.0017	21	-31 3 11.46	-0.025	21	0.43	40.572	22	32.1	11.02	21	32.1	F8	C7	10701	C -3116912
37	8.2	8.5W	35 40.878	-0.0008	21	-31 31 45.30	0.013	21	0.43	40.892	22	32.1	45.53	21	32.1	A0	C7	10702	C -3116913
38		7.9T	35 42.957	0.0047	20	-30 23 44.97	-0.017	20	0.94	42.739	22	03.6	44.18	22	03.4	A0	GC	27159	C -3017245
39	9.7	9.0W	35 43.234	0.0006	21	-34 24 21.40	-0.030	21	0.43	43.224	22	32.1	20.85	21	32.1	K0	C7	10704	C -3413836
40	9.7	9.8W	35 45.244	-0.0006	21	-33 19 35.81	0.047	21	0.43	45.254	22	32.1	36.65	21	32.1	A0	C7	10705	C -3314367
41	10.0	9.6W	35 46.696	0.0019	18	-38 26 5.42	-0.002	18	0.32	46.669	15	35.7	5.38	21	35.7	F5	C8	10183	C -3813596
42	10.0	9.5W	35 50.216	0.0012	18	-37 43 47.85	0.017	18	0.32	50.199	15	35.7	48.08	21	35.7	G0	C8	10184	C -3713286
43	10.2	9.4W	35 54.857	0.0025	21	-32 7 58.18	-0.014	21	0.43	54.812	22	32.1	57.93	21	32.1	K0	C7	10706	C -3215373
44	10.0	8.5W	35 59.072	-0.0007	21	-34 56 26.70	0.032	21	0.43	59.085	22	32.1	27.26	21	32.1	K5	C7	10707	C -3513620
45	9.2	8.8W	36 13.673	-0.0061	13	-39 36 23.89	-0.028	13	0.26	13.760	15	35.7	23.48	21	35.7	G0	C8	10185	C -3913369
46	9.0E	9.2H	36 14.824	-0.0022	12	-39 58 10.51	0.001	12	0.68	14.940	28	97.9	10.57	26	97.9	G5	CZ	18316	P -40 9065
47	10.9	9.7W	36 16.486	-0.0003	21	-31 27 53.78	0.024	21	0.43	16.492	22	32.1	54.22	21	32.1		C7	10708	C -3116922
48	8.2	7.5W	36 16.875	-0.0018	13	-39 51 41.53	-0.080	13	0.26	16.900	15	35.7	40.38	21	35.7	G5	C8	10187	C -4013413
49	8.8	8.0W	36 24.237	0.0007	21	-32 35 17.68	0.015	21	0.43	24.224	22	32.1	17.95	21	32.1	K0	C7	10710	C -3215380
50	10.8	10.2W	36 30.555	0.0001	21	-33 33 10.67	-0.034	21	0.43	30.554	22	32.1	10.05	21	32.1		C7	10711	C -3314374
51		6.6T	19 36 31.521	0.0053	15	-39 32 53.41	-0.060	13	0.73	31.262	18	01.0	50.31	19	98.6	A2	GC	27182	C -3913371
52	10.5	9.3W	36 31.590	0.0010	21	-31 52 33.72	-0.044	21	0.43	31.572	22	32.1	32.93	21	32.1	K5	C7	10712	C -3215383
53	9.8	9.0W	36 32.423	-0.0006	21	-34 9 42.07	0.005	21	0.43	32.434	22	32.1	42.15	21	32.1	G5	C7	10713	C -3413842
54	10.1	10.1W	36 38.850	0.0008	18	-36 41 46.70	-0.008	18	0.32	38.839	15	35.7	46.58	21	35.7	A0	C8	10194	C -3613649
55	9.3	7.7W	36 44.673	-0.0011	18	-37 31 1.36	0.030	18	0.32	44.689	15	35.7	1.78	21	35.7	K5	C8	10195	C -3713292
56	9.9	9.1W	36 46.148	-0.0043	21	-30 2 11.20	0.006	21	0.43	46.070	22	32.1	11.29	21	32.1	K0	C7	10714	C -3017262
57	10.5	8.7W	36 50.654	-0.0003	10	-38 14 53.22	0.005	10	0.23	50.659	15	35.7	53.28	21	35.7	K2	C8	10196	C -3813611
58	9.6	8.7W	36 50.842	0.0004	21	-34 14 44.38	-0.001	21	0.43	50.834	22	32.1	44.35	21	32.1	G5	C7	10715	C -3413848
59	10.0	9.3W	36 51.052	0.0024	21	-30 9 52.53	0.043	21	0.43	51.010	22	32.1	53.29	21	32.1	K0	C7	10716	C -3017264
60	9.8	8.8W	36 52.223	0.0045	21	-31 43 28.46	-0.002	21	0.43	52.142	22	32.1	28.43	21	32.1	K0	C7	10717	C -3116935
61	9.7	8.7W	36 58.197	-0.0002	18	-38 36 44.16	-0.005	18	0.32	58.199	15	35.7	44.08	21	35.7	G5	C8	10197	C -3813613
62	10.2	9.4W	37 2.457	0.0024	21	-32 35 34.31	0.047	21	0.43	2.414	22	32.1	35.15	21	32.1	K0	C7	10718	C -3215391
63			37 6.147	-0.0007	21	-30 22 38.62	0.066	21	0.43	6.160	22	32.1	39.79	21	32.1		C7	10719	C -3017265
64	10.5	9.6W	37 7.142	-0.0001	21	-34 4 24.00	-0.047	21	0.43	7.144	22	32.1	23.16	21	32.1	K0	C7	10720	C -3413851
65	10.1	9.4W	37 10.156	0.0019	21	-31 23 6.04	0.015	21	0.43	10.122	22	32.1	6.32	21	32.1	K0	C7	10721	C -3116940
66	10.7	9.4W	37 27.567	0.0026	10	-38 55 28.31	-0.015	10	0.23	27.529	15	35.7	28.08	21	35.7	K5	C8	10201	C -3913378
67	9.9	9.7W	37 28.947	0.0012	21	-33 31 55.00	0.009	21	0.43	28.924	22	32.1	55.15	21	32.1		C7	10722	C -3314388
68	10.2	9.7W	37 30.400	0.0030	13	-35 59 35.23	0.018	13	0.26	30.358	15	35.7	35.48	21	35.7	F2	C8	10202	C -3613655
69	10.0	9.8W	37 35.226	0.0041	21	-32 19 47.52	-0.033	21	0.43	35.152	22	32.1	46.93	21	32.1	G0	C7	10723	C -3215394
70	9.0	9.0W	37 37.294	0.0006	21	-34 2 23.67	-0.034	21	0.43	37.284	22	32.1	23.06	21	32.1	A3	C7	10724	C -3413856
71	10.6	10.3W	37 37.476	0.0005	18	-38 1 20.49	-0.021	18	0.32	37.469	15	35.7	20.18	21	35.7	G0	C8	10206	C -3813620
72	9.9	9.6W	37 37.650	0.0054	21	-33 31 4.43	-0.121	21	0.43	37.554	22	32.1	2.25	21	32.1	G5	C7	10725	C -3314390
73	9.9	9.8W	37 51.689	0.0008	21	-33 10 19.12	0.013	21	0.43	51.674	22	32.1	19.35	21	32.1	F0	C7	10726	C -3314393
74	8.2	8.2W	37 52.053	-0.0003	13	-36 26 55.40	-0.001	13	0.26	52.058	15	35.7	55.38	21	35.7	A5	C8	10208	C -3613658
75	10.5	9.8W	37 58.829	0.0004	21	-31 45 46.62	0.023	21	0.43	58.822	22	32.1	47.03	21	32.1	K0	C7	10727	C -3116947
76	8.7	8.2W	38 1.030	-0.0025	21	-32 59 19.80	-0.092	21	0.43	1.074	22	32.1	18.15	21	32.1	G5	C7	10728	C -3314396
77	8.9	9.2W	38 3.072	0.0028	21	-31 48 35.99	-0.020	21	0.43	3.022	22	32.1	35.63	21	32.1	A0	C7	10729	C -3116948
78	10.6	9.3W	38 10.248	0.0031	21	-32 19 25.43	-0.011	21	0.43	10.192	22	32.1	25.23	21	32.1	MA	C7	10730	C -3215401
79	9.2	8.6W	38 18.312	0.0045	09	-35 50 24.51	-0.246	09	0.22	18.248	15	35.7	20.98	21	35.7	G5	C8	10209	C -3613662
80	9.9	9.7W	38 26.059	0.0061	21	-30 14 41.64	0.087	21	0.43	25.950	22	32.1	43.19	21	32.1	F5	C7	10731	C -3017286
81	9.8	8.9W	38 27.963	0.0011	21	-33 35 1.23	0.002	21	0.43	27.944	22	32.1	1.25	21	32.1	K0	C7	10732	C -3314403
82		7.0T	38 30.003	0.0007	12	-37 0 18.63	0.008	11	0.57	29.970	15	03.2	19.01	17	01.1	A0	GC	27229	C#-3713308
83	10.2	9.5W	38 33.690	0.0016	21	-30 43 26.26	0.003	21	0.43	33.662	22	32.1	26.32	21	32.1	K0	C7	10733	C -3017288
84	9.9	9.8W	38 40.090	-0.0024	21	-31 26 44.74	-0.013	21	0.42	40.132	22	32.7	44.52	21	32.7	F2	C7	10734	C -3116959
85	9.4	9.0W	38 49.458	0.0007	18	-37 59 34.49	-0.007	18	0.32	49.449	15	35.7	34.38	21	35.7	F0	C8	10211	C -3813625
86	9.5	8.9W	38 52.730	-0.0024	21	-30 26 35.31	-0.012	21	0.42	52.770	22	32.7	35.09	21	32.7	K0	C7	10735	C#-3017293
87		6.9T	38 54.095	0.0001	11	-36 45 2.60	-0.057	11	0.58	54.090	17	00.0	-59.62	18	98.0	F5	GC	27238	C -3613664
88	9.7	9.6W	39 18.005	-0.0021	21	-31 29 10.21	-0.017	21	0.42	18.042	22	32.7	9.92	21	32.7	F0	C7	10736	C -3116966
89	10.6	10.0W	39 20.747	-0.0007	21	-30 6 6.01	-0.024	21	0.42	20.760	22	32.7	5.59	21	32.7	G5 L	C7	10737	C -3017297
90	11.2	9.7W	39 21.378	-0.0013	13	-35 1 11.92	-0.016	13	0.26	21.397	15	35.7	11.68	21	35.7	K2 L	C8	10216	C -3513649
91	9.0	8.7W	39 23.645	-0.0016	21	-32 21 28.45	-0.001	21	0.42	23.672	22	32.7	28.43	21	32.7	F8	C7	10738	C -3215411
92	9.0	8.7W	39 24.743	-0.0005	08	-39 36 27.44	-0.039	08	0.22	24.750	15	35.7	26.88	21	35.7	F2	C8	10217	C -3913401
93		7.3T	39 35.356	0.0021	08	-37 33 31.61	-0.024	09	0.35	35.270	10	09.3	30.61	10	08.8	F0	GC	27254	C -3913317
94		7.5T	39 41.599	-0.0041	13	-36 6 3.96	-0.012	12	0.67	41.801	18	00.2	3.33	18	99.1	K0	GC	27256	C#-3613674
95	9.9	9.1W	39 42.697	-0.0020	21	-31 23 5.91	0.000	21	0.42	42.732	22	32.7	5.92	21	32.7	G5	C7	10739	C -3116975
96	10.4	10.0W	39 49.480	0.0051	21	-30 48 17.38	0.025	21	0.42	49.392	22	32.7	17.82	21	32.7	G0 L	C7	10740	C -3017308
97	10.0	9.7W	39 56.045	-0.0004	21	-30 42 59.44	-0.013	21	0.42	56.052	22	32.7	59.22	21	32.7	F8	C7	10741	C -3017309
98	10.2	10.2W	39 57.427	-0.0000	13	-36 29 59.23	0.011	13	0.26	57.428	15	35.7	59.38	21	35.7	A0	C8	10220	C -3613676
99	10.1	9.4W	40 3.900	-0.0030	21	-31 13 56.68	0.025	21	0.42	3.952	22	32.7	57.12	21	32.7	K0	C7	10742	C -3116976
00	9.4	8.6W	40 5.707	-0.0009	21	-31 45 21.27	-0.008	21	0.42	5.722	22	32.7	21.13	21	32.7	G5	C7	10743	C -3116977

211500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 19H DM NUMBER
1	9.4	9.0W	19 40 7.200	-0.0034	23	-37 5 12.26	-0.019	23	0.38	7.249	15	35.7	11.98	21	35.7	F2	C8	10221	C -3713319
2		7.5T	40 8.025	-0.0024	12	-33 45 56.17	-0.001	10	0.53	7.912	15	03.9	56.13	15	03.1	K2	GC	27263	C -3314420
3	11.2	9.5W	40 9.877	-0.0014	13	-36 5 36.60	-0.057	13	0.26	9.898	15	35.7	35.78	21	35.7	K2 L	C8	10222	C -3613677
4	8.1	8.3W	40 14.389	-0.0000	13	-38 59 41.07	-0.041	13	0.26	14.389	15	35.7	40.48	21	35.7	A0	C8	10223	C -3913409
5	10.1	8.9W	40 16.524	0.0010	21	-32 38 29.66	-0.012	21	0.42	16.524	22	32.7	29.45	21	32.7	K2	C7	10745	C -3215419
6		6.2T	40 17.282	-0.0013	09	-37 39 29.93	-0.012	08	0.36	17.335	10	09.2	29.43	12	08.9	B8	GC	27276	C -3713322
7	9.9	8.8W	40 20.044	0.0010	13	-39 1 34.53	-0.031	13	0.26	20.829	15	35.7	34.08	21	35.7	K0	C8	10225	C -3913411
8	9.6	9.1W	40 33.976	0.0012	18	-38 21 12.82	-0.044	18	0.32	33.959	15	35.7	12.18	21	35.7	G0	C8	10226	C -3813643
9	8.9	8.4W	40 35.487	0.0126	06	-35 22 13.78	-0.244	06	0.20	35.307	15	35.7	10.28	21	35.7	G0	C8	10227	C -3513655
10	10.6	9.1W	40 38.043	0.0084	21	-30 59 9.31	0.029	21	0.42	38.002	22	32.7	9.82	21	32.7	K5	C7	10747	C -3116991
11	8.8	8.7W	40 40.558	-0.0021	21	-34 48 8.92	-0.003	21	0.42	40.595	22	32.7	8.86	21	32.7	A2	C7	10748	C -3413885
12	10.1	9.9W	40 48.882	-0.0064	21	-31 41 27.71	0.001	21	0.42	48.992	22	32.7	27.73	21	32.7	G0	C7	10749	C -3116995
13	9.7	8.7W	40 49.858	0.0036	13	-35 12 30.92	0.005	13	0.26	49.807	15	35.7	30.98	21	35.7	G5	C8	10229	C -3513659
14	10.2	9.0W	40 50.124	-0.0009	13	-35 6 22.09	-0.014	13	0.26	50.137	15	35.7	21.88	21	35.7	K2	C8	10230	C -3513660
15	10.1	9.6W	40 50.544	-0.0044	09	-35 46 30.56	-0.117	09	0.22	50.608	15	35.7	28.88	21	35.7	G5	C8	10231	C -3513658
16	10.0	9.9W	40 55.623	0.0000	21	-31 37 9.43	0.023	21	0.42	55.622	22	32.7	9.83	21	32.7	G0	C7	10750	C -3116998
17	10.8	9.3W	40 55.644	-0.0016	21	-31 15 12.90	0.041	21	0.42	55.672	22	32.7	13.62	21	32.7	K5	C7	10751	C -3116999
18	10.8	9.9W	40 56.557	-0.0020	21	-30 30 15.14	-0.019	21	0.42	56.592	22	32.7	14.62	21	32.7	K0 L	C7	10752	C -3017320
19	10.7	9.5W	40 59.615	-0.0021	21	-30 56 51.52	-0.070	21	0.42	59.652	22	32.7	50.32	21	32.7	K2	C7	10753	C -3117000
20	11.1	9.5W	41 1.082	-0.0013	21	-32 39 27.03	0.007	21	0.42	1.104	22	32.7	27.15	21	32.7		C7	10754	C -3215423
21	8.0	8.1W	41 7.909	0.0042	09	-37 57 54.83	0.004	09	0.22	7.849	15	35.7	54.88	21	35.7	A2	C8	10233	C -3813647
22		10.2W	41 8.207	-0.0020	21	-30 56 46.67	-0.009	21	0.42	8.242	22	32.7	46.52	21	32.7	G5 L	C7	10755	C -3117005
23	9.4	9.2W	41 10.519	0.0003	21	-34 7 14.75	-0.040	21	0.42	10.515	22	32.7	14.06	21	32.7	F5	C7	10756	C -3413892
24	9.5	9.2W	41 12.106	-0.0038	21	-31 12 1.89	0.007	21	0.42	12.172	22	32.7	2.02	21	32.7	F8	C7	10757	C -3117008
25	9.4	9.5W	41 14.759	-0.0015	21	-33 21 17.55	0.058	21	0.42	14.784	22	32.7	16.55	21	32.7	A2	C7	10758	C -3314435
26	9.7	8.7W	41 15.218	0.0029	13	-35 15 33.76	0.002	13	0.26	15.177	15	35.7	33.78	21	35.7	G5	C8	10235	C -3513665
27	10.3	9.0W	41 20.028	-0.0015	13	-39 1 39.75	-0.046	13	0.26	20.049	15	35.7	39.08	21	35.7	K2	C8	10236	C -3913426
28	10.2	9.4W	41 23.371	-0.0001	21	-31 54 11.58	-0.009	21	0.42	23.372	22	32.7	11.43	21	32.7	G5	C7	10759	C -3215430
29	10.5	8.8W	41 43.222	0.0010	21	-33 22 32.85	0.006	21	0.42	43.204	22	32.7	32.95	21	32.7	K5	C7	10760	C -3314441
30	9.9	9.8W	41 44.129	-0.0019	21	-31 16 0.98	0.048	21	0.42	44.162	22	32.7	1.82	21	32.7	F2	C7	10761	C -3117017
31	8.8	9.1W	41 47.992	0.0006	21	-31 9 58.76	0.003	21	0.42	47.982	22	32.7	58.82	21	32.7	A0	C7	10762	C -3117019
32	10.5	9.5W	41 50.637	-0.0021	13	-35 14 36.07	0.022	13	0.26	50.667	15	35.7	36.38	21	35.7	K0	C8	10237	C -3513673
33		7.7T	41 54.809	0.0040	11	-31 54 33.94	-0.023	09	0.49	54.621	15	03.0	32.85	15	01.5	K2	GC	27309	C*-3215437
34	9.7	8.9W	41 57.227	0.0009	21	-30 21 8.11	0.011	21	0.42	57.210	22	32.7	8.29	21	32.7	K0	C7	10764	C -3017332
35	10.4	10.0W	42 5.526	-0.0002	18	-38 34 32.04	-0.025	18	0.32	5.529	15	35.7	31.68	21	35.7	G0	C8	10238	C -3813657
36	10.3	10.0W	42 14.275	0.0012	21	-32 45 22.61	-0.061	21	0.42	14.254	22	32.7	21.55	21	32.7	G0	C7	10765	C -3215440
37		6.8T	42 14.494	0.0009	04	-31 1 28.88	-0.014	04	0.21	14.452	09	02.7	28.15	09	99.1	A0	GC	27320	C*-3117024
38	10.4	10.4W	42 25.597	-0.0001	18	-37 51 40.02	0.005	18	0.32	25.599	15	35.7	40.08	21	35.7	A3	C8	10241	C -3813662
39	8.6	8.4W	42 28.712	0.0029	21	-30 54 23.66	-0.043	21	0.42	28.662	22	32.7	22.92	21	32.7	F5	C7	10767	C -3117030
40	10.5	10.3W	42 38.667	0.0007	09	-36 6 50.04	-0.053	09	0.22	38.658	15	35.7	49.28	21	35.7	F5 L	C8	10242	C -3613691
41		5.6H	42 49.964	0.0004	02	-32 1 51.22	-0.016	02	0.10	49.949	05	10.3	50.66	05	13.9	B8	F4	1516	C -3215443
42	10.6	9.1W	42 59.617	-0.0026	21	-31 41 3.55	-0.013	21	0.42	59.662	22	32.7	3.33	21	32.7	K2	C7	10769	C -3117038
43	8.9	8.0W	43 0.456	0.0004	13	-39 32 54.84	-0.004	13	0.26	0.451	15	35.7	54.78	21	35.7	K0	C8	10243	C -3913437
44		7.6T	43 24.241	0.0006	11	-32 3 30.25	0.009	12	0.60	24.210	15	00.3	30.72	17	00.2	A3	GC	27346	C -3215446
45	9.8	9.0W	43 33.693	0.0001	21	-30 47 39.03	0.074	21	0.42	33.692	22	32.7	40.32	21	32.7	K0	C7	10771	C -3017355
46	9.8	8.7W	43 35.209	-0.0002	21	-31 32 27.62	0.041	21	0.42	35.212	22	32.7	28.33	21	32.7	K2	C7	10772	C -3117044
47	9.6	9.3W	43 42.857	0.0006	21	-31 58 2.59	-0.090	21	0.42	42.742	22	32.7	1.03	21	32.7	G0	C7	10773	C -3215455
48	10.3	9.9W	43 51.833	0.0010	18	-37 17 1.46	-0.040	18	0.32	51.819	15	35.7	0.88	21	35.7	F8	C8	10245	C -3713349
49	10.7	10.6W	43 54.352	-0.0007	21	-33 53 43.54	-0.039	21	0.42	54.365	22	32.7	42.85	21	32.7	G2 L	C7	10775	C -3413922
50	9.8	9.6W	43 55.591	-0.0024	21	-31 33 10.91	-0.045	21	0.42	55.632	22	32.7	10.13	21	32.7	F5	C7	10776	C -3117049
51	9.8	8.3W	19 44 2.185	-0.0027	21	-31 14 15.13	-0.059	21	0.42	2.232	22	32.7	14.12	21	32.7	K2	C7	10777	C -3117050
52	10.4	9.4W	44 10.394	0.0011	21	-32 55 44.23	-0.016	21	0.42	10.374	22	32.7	43.95	21	32.7	K2	C7	10778	C -3314471
53	9.1	7.5W	44 12.161	0.0003	06	-35 18 1.10	-0.071	06	0.20	12.157	15	35.7	0.08	21	35.7	K2	C8	10246	C -3513696
54	9.5	9.5W	44 12.611	-0.0006	13	-39 8 0.79	-0.021	13	0.26	12.619	15	35.7	0.48	21	35.7	A0	C8	10247	C -3913446
55	10.6	9.3W	44 15.615	-0.0010	21	-31 38 52.17	0.021	21	0.42	15.633	22	32.7	52.53	21	32.7	K2	C7	10779	C -3117051
56	10.0	10.0W	44 17.018	-0.0001	21	-30 29 37.48	0.059	21	0.42	17.020	22	32.7	38.49	21	32.7	A8 L	C7	10780	C -3017365
57	10.7	9.7W	44 26.011	-0.0026	09	-38 1 27.19	-0.028	09	0.22	26.048	15	35.7	26.78	21	35.7	K0 L	C8	10248	C -3813676
58	11.0	9.8W	44 30.605	-0.0010	21	-32 2 23.27	-0.031	21	0.42	30.622	22	32.7	22.73	21	32.7	K0 L	C7	10781	C -3215466
59	10.1	9.1W	44 39.184	0.0012	13	-35 7 33.76	-0.012	13	0.26	39.167	15	35.7	33.58	21	35.7	G5	C8	10250	C -3513702
60	10.3	9.2W	44 40.616	-0.0036	21	-30 49 48.86	0.003	21	0.42	40.682	22	32.7	48.92	21	32.7	K0	C7	10782	C -3117057
61	10.0	9.8W	44 41.434	0.0001	21	-31 49 7.58	-0.009	21	0.42	41.432	22	32.7	7.43	21	32.7	G0	C7	10783	C -3117056
62	9.7	8.2W	44 54.883	0.0003	09	-37 58 22.82	-0.016	09	0.22	54.879	15	35.7	22.58	21	35.7	MA	C8	10251	C -3813683
63	9.7	9.5W	44 56.992	0.0017	13	-35 44 57.65	-0.004	13	0.26	56.968	15	35.7	57.58	21	35.7	F5	C8	10252	C -3513707
64	11.0	9.6W	45 1.809	0.0027	21	-31 47 13.68	-0.020	21	0.42	1.763	22	32.7	13.33	21	32.7	K5	C7	10784	C -3117060
65	10.2	8.5W	45 4.816	-0.0034	21	-34 44 27.93	0.043	21	0.42	4.875	22	32.7	28.66	21	32.7	K5	C7	10785	C -3413936
66	11.3		45 12.678	-0.0014	18	-37 45 49.47	-0.027	18	0.32	12.699	15	35.7	49.08	21	35.7	F8 L	C8	10253	C -3713358
67	10.0	9.0W	45 18.691	-0.0005	13	-38 7 8.54	0.003	13	0.26	18.699	15	35.7	8.58	21	35.7	K0	C8	10254	C -3813687
68	11.0		45 19.935	-0.0015	18	-36 43 35.10	-0.004	18	0.32	19.920	15	35.7	43.28	21	35.7	F8 L	C8	10255	C -3613705
69	9.4	9.2W	45 23.672	0.0029	13	-39 47 35.28	-0.048	13	0.26	23.630	15	35.7	34.58	21	35.7	F5	C8	10256	C -3913457
70	10.0	8.6W	45 29.168	0.0008	21	-32 30 37.12	-0.033	21	0.42	29.154	22	32.7	36.55	21	32.7	K2	C7	10786	C -3215477
71	10.7	9.9W	45 43.471	-0.0000	21	-30 57 41.16	0.003	21	0.42	43.472	22	32.7	41.22	21	32.7	G5 L	C7	10787	C -3117069
72	10.4	9.2W	45 49.181	-0.0004	13	-35 17 50.54	-0.018	13	0.26	49.187	15	35.7	50.28	21	35.7	K0	C8	10257	C -3513717
73	8.2	8.2W	45 55.123	0.0030	21	-30 31 56.69	-0.010	21	0.42	55.072	22	32.7	56.52	21	32.7	F0	C7	10788	C -3017386
74	10.5	8.9W	45 58.840	-0.0003	21	-34 53 0.76	0.047	21	0.42	58.846	22	32.7	1.56	21	32.7	MA	C7	10789	C -3513720
75	9.4	8.3W	46 3.072	0.0033	21	-33 5 41.86	0.017	21	0.42	3.014	22	32.7	42.15	21	32.7	K0	C7	10790	C -3314493
76	10.1	10.1W	46 4.427	0.0003	21	-30 58 35.81	0.000	21	0.42	4.422	22	32.7	35.82	21	32.7	A5 L	C7	10791	C -3117077
77	9.7	9.0W	46 9.090	0.0003	21	-32 59 48.97	-0.163	21	0.42	9.084	22	32.7	46.15	21	32.7	G0	C7	10793	C -3314495
78	10.5	10.3W	46 12.620	0.0034	21	-31 0 20.35	0.096	21	0.42	12.562	22	32.7	22.02	21	32.7	G0 L	C7	10795	C -3117079
79		7.2T	46 13.872	0.0013	14	-37 54 19.31	-0.102	12	0.65	13.810	17	03.1	14.27	18	00.7	F8	GC	27415	C -3813701
80	10.6	10.3W	46 17.076	0.0007	21	-33 33 14.20	-0.112	21	0.42	17.065	22	32.7	12.26	21	32.7	G0 L	C7	10796	C -3314497
81	10.4	9.0W	46 23.028	0.0007	18	-36 57 41.58	-0.055	18	0.32	23.015	15	35.7	40.78	21	35.7	K0	C8	10261	C -3713370
82	10.7	10.3W	46 30.858	0.0033	21	-30 1 52.89	-0.011	21	0.42	30.800	22	32.7	52.69	21	32.7	G0 L	C7	10797	C -3017391
83	8.2	7.7W	46 31.574	0.0092	21	-32 53 21.70	-0.032	21	0.42	31.414	22	32.7	21.15	21	32.7	G0	C7	10798	C -3314501
84	9.5	8.8W	46 31.581	-0.0013	21	-34 23 2.44	-0.016	21	0.42	31.605	22	32.7	2.16	21	32.7	G5	C7	10799	C*-3413952
85		8.1T	46 33.418	0.0007	18	-30 24 1.10	-0.031	18	0.90	33.385	19	02.3	-59.61	21	01.9	F0	GC	27426	C -3017392
86	10.3	10.0W	46 39.957	-0.0015	21	-31 39 17.53	-0.156	21	0.42	39.982	22	32.7	14.83	21	32.7	K0 L	C7	10801	C -3117091
87	9.7	8.9W	46 48.200	0.0016	21	-32 8 44.68	-0.026	21	0.42	48.172	22	32.7	44.23	21	32.7	K0	C7	10802	C -3215491
88	11.1	9.5W	46 54.736	0.0032	21	-30 29 58.50	-0.017	21	0.42	54.680	22	32.7	58.19	21	32.7		C7	10803	C -3017396
89	9.3	9.0W	47 1.927	-0.0016	21	-34 47 27.13	-0.009	21	0.42	1.955	22	32.7	26.96	21	32.7	F8	C7	10804	C -3413956
90	10.7	9.8W	47 6.804	0.0006	21	-33 40 8.08	0.022	21	0.42	6.795	22	32.7	8.46	21	32.7	K0 L	C7	10805	C -3314509
91	9.2	8.0W	47 20.110	-0.0047	21	-31 0 43.03	-0.024	21	0.42	20.192	22	32.7	42.62	21	32.7	K2	C7	10806	C -3117097
92	10.4	10.2W	47 23.013	-0.0018	21	-32 51 25.65	-0.179	21	0.42	23.044	22	32.7	22.55	21	32.7	G0 L	C7	10807	C -3314513
93	10.1	9.8W	47 24.809	0.0007	18	-38 41 20.96	-0.005	18	0.32	24.799	15	35.7	20.88	21	35.7	F5	C8	10266	C -3813716
94	9.1	8.9W	47 26.488	-0.0049	09	-36 35 49.35	-0.039	09	0.22	26.559	15	35.7	48.78	21	35.7	F5	C8	10267	C -3613724
95	9.0	8.6W	47 32.392	0.0036	06	-39 43 6.63	-0.143	06	0.20	32.340	15	35.7	4.58	21	35.7	G0	C8	10269	C -3913477
96	7.9	8.1W	47 33.444	0.0011	21	-32 44 18.74	-0.005	21	0.42	33.424	22	32.7	18.65	21	32.7	A0	C7	10808	C -3215504
97	9.2	8.1W	47 35.985	-0.0004	21	-31 3 20.28	0.002	21	0.42	35.992	22	32.7	20.32	21	32.7	K0	C7	10809	C -3117102
98	10.6	9.2W	47 50.703	0.0005	21	-32 50 21.45	-0.000	21	0.42	50.694	22	32.7	21.45	21	32.7	G0 L	C7	10815	C -3314519
99		8.2B	47 51.288	0.0008	13	-37 1 26.59	0.014	12	0.65	51.249	19	01.6	27.30	18	98.8	F2	GC	27457K	C*-3713387
00		10.5W	47 51.576	0.0002	21	-32 1 22.21	-0.022	21	0.42	51.572	22	32.7	21.83	21	32.7		C7	10811	C -3215510

211600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.6W	19 47 54.468	0.0036	08	-35 18 52.19	-0.154	08	0.22	54.417	15	35.7	49.98	21	35.7	B8	C8	10274	C -3513744
2	10.2	9.2W	47 55.685	0.0013	21	-32 19 25.18	0.020	21	0.42	55.662	22	32.7	25.53	21	32.7	K0	C7	10812	C -3215512
3	10.5	9.2W	48 0.095	-0.0028	21	-34 23 59.13	-0.050	21	0.42	0.145	22	32.7	58.25	21	32.7	K2 L	C7	10813	C -3413965
4	8.0	8.2W	48 1.785	-0.0008	08	-35 26 18.80	-0.001	08	0.22	1.797	15	35.7	18.78	21	35.7	B9	C8	10275	C -3513746
5	10.6	9.8W	48 8.415	-0.0016	21	-32 5 49.87	0.044	21	0.42	8.442	22	32.7	50.63	21	32.7	G2 L	C7	10814	C -3215515
6	9.4	8.6W	48 15.732	0.0012	21	-31 14 49.27	0.020	21	0.42	15.712	22	32.7	49.62	21	32.7	G5	C7	10815	C -3117110
7	10.9	10.0W	48 20.622	0.0035	21	-30 30 53.02	0.040	21	0.42	20.562	22	32.7	53.72	21	32.7		C7	10817	C -3017419
8	10.0	9.5W	48 22.207	0.0013	18	-37 37 15.97	0.022	18	0.32	22.189	15	35.7	16.28	21	35.7	G0	C8	10277	C -3713389
9		6.6T	48 27.127	-0.0016	12	-37 27 50.89	-0.067	10	0.64	27.211	21	97.6	47.03	17	92.6	K0	GC	27473	C -3713391
10	10.7	9.3W	48 30.208	-0.0002	21	-31 9 35.11	-0.006	21	0.42	30.212	22	32.7	35.02	21	32.7	K2	C7	10818	C -3117113
11	9.3	7.9W	48 37.631	0.0015	18	-38 31 52.26	-0.019	18	0.32	37.609	15	35.7	51.98	21	35.7	K2	C8	10282	C -3813724
12	10.4	9.6W	48 44.837	0.0019	21	-32 34 39.24	0.041	21	0.42	44.804	22	32.7	39.95	21	32.7	K0 L	C7	10819	C -3215526
13	10.4	10.3W	48 51.053	0.0000	21	-31 54 48.04	-0.018	21	0.42	51.052	22	32.7	47.73	21	32.7	G0 L	C7	10820	C -3215529
14	9.9	10.1W	48 53.590	-0.0030	21	-30 33 16.55	-0.008	21	0.42	53.642	22	32.7	16.42	21	32.7	A0	C7	10821	C -3017425
15	10.5	10.4W	48 57.896	0.0018	21	-33 25 2.79	-0.025	21	0.42	57.864	22	32.7	2.35	21	32.7	F0 L	C7	10822	C -3314529
16	10.2	10.1W	49 6.939	0.0001	18	-36 12 15.17	0.015	18	0.32	6.938	15	35.7	15.38	21	35.7	A5	C8	10287	C -3613741
17	10.5	10.8W	49 8.927	-0.0015	21	-31 33 25.07	-0.043	21	0.42	8.952	22	32.7	24.33	21	32.7	A0 L	C7	10823	C -3117120
18	10.6	9.1W	49 9.682	0.0001	13	-39 35 31.30	-0.043	13	0.26	9.680	15	35.7	30.68	21	35.7	K5	C8	10288	C -3913491
19	9.9	8.8W	49 10.380	-0.0020	21	-32 41 25.43	-0.022	21	0.42	10.414	22	32.7	25.05	21	32.7	K0	C7	10824	C -3215534
20	9.2	8.2W	49 27.356	-0.0002	07	-37 47 30.63	0.004	07	0.21	27.359	15	35.7	30.68	21	35.7	K2	C8	10291	C -3713397
21	9.6	9.6W	49 27.527	-0.0022	21	-34 48 47.66	0.041	21	0.42	27.566	22	32.7	48.36	21	32.7	A3	C7	10825	C -3413983
22	9.0	8.8W	49 29.128	-0.0009	10	-39 42 32.80	-0.008	10	0.23	29.140	15	35.7	32.68	21	35.7	F2	C8	10292	C -3913495
23	8.6	8.8W	49 31.237	0.0036	21	-32 53 40.82	-0.021	21	0.42	31.174	22	32.7	40.45	21	32.7	A2	C7	10826	C -3314535
24		7.1T	49 33.521	0.0000	12	-32 6 22.93	0.001	11	0.58	33.520	14	99.8	23.01	15	98.4	A0	GC	27557	C*-3215540
25	9.0	7.9W	49 33.838	0.0019	21	-32 36 4.70	0.026	21	0.42	33.804	22	32.7	5.15	21	32.7	K0	C7	10828	C -3215539
26	10.4	8.9W	49 43.137	0.0003	21	-30 59 5.26	-0.008	21	0.43	43.132	22	32.2	5.12	21	32.2	K5	C7	10829	C -3117128
27	9.6	9.6W	49 53.232	0.0015	16	-39 32 23.16	-0.033	16	0.29	53.210	15	35.7	22.68	21	35.7	A3	C8	10295	C -3913498
28	8.7	8.8W	49 56.663	0.0007	21	-30 4 3.29	-0.016	21	0.43	56.650	22	32.2	2.99	21	32.2	A5	C7	10830	C -3017439
29	9.7	9.3W	50 0.495	0.0059	21	-30 25 19.77	-0.015	21	0.43	0.390	22	32.2	19.49	21	32.2	G5	C7	10831	C -3017441
30	10.0	8.4W	50 2.688	0.0037	21	-32 13 8.45	0.010	21	0.43	2.622	22	32.2	8.63	21	32.2	MB	C7	10832	C -3215547
31	11.1	9.7W	50 21.992	-0.0012	21	-34 17 36.51	0.014	21	0.43	22.015	22	32.2	36.76	21	32.2		C7	10834	C -3413990
32	9.5	9.2W	50 22.600	0.0014	18	-38 43 2.00	0.020	18	0.32	22.579	15	35.7	2.28	21	35.7	G0	C8	10297	C -3813739
33	10.5		50 23.990	-0.0041	18	-37 59 53.63	-0.024	18	0.32	24.049	15	35.7	53.28	21	35.7	A2	C8	10298	C -3813741
34	9.5	8.4W	50 27.308	0.0019	21	-32 47 34.44	-0.016	21	0.43	27.274	22	32.2	34.15	21	32.2	K0	C7	10835	C -3215550
35	10.8	9.9W	50 50.417	0.0025	21	-32 11 34.76	0.004	21	0.43	50.372	22	32.2	34.83	21	32.2		C7	10836	C -3215561
36		7.8T	50 52.075	-0.0037	10	-36 7 2.37	-0.021	09	0.41	52.224	15	09.3	1.48	14	08.1	A2	GC	27536	C*-3613758
37	10.5	10.3W	50 53.666	0.0048	21	-30 23 2.62	-0.029	21	0.43	53.580	22	32.2	2.09	21	32.2	F5 L	C7	10837	C -3017453
38	11.1	9.9W	50 55.455	-0.0147	21	-32 7 58.37	-0.148	21	0.43	55.712	22	32.2	55.73	21	32.2		C7	10838	C -3215563
39	11.0	9.9W	50 57.980	0.0017	21	-30 12 2.58	0.001	21	0.43	57.950	22	32.2	2.59	21	32.2		C7	10839	C -3017455
40	10.1	9.0W	51 4.447	0.0020	13	-37 27 29.99	0.021	13	0.26	4.419	15	35.7	30.28	21	35.7	G5	C8	10300	C -3713413
41	9.5	9.3W	51 4.555	-0.0039	21	-34 37 2.30	-0.041	21	0.43	4.625	22	32.2	1.56	21	32.2	F8	C7	10840	C -3413999
42	10.4	9.4W	51 6.564	0.0012	13	-36 6 26.66	-0.068	13	0.26	6.548	15	35.7	25.68	21	35.7		C8	10301	C -3613760
43	8.7	8.9W	51 9.856	-0.0009	13	-36 42 25.40	-0.043	13	0.26	9.869	15	35.7	24.78	21	35.7	A5	C8	10302	C -3613761
44	9.4	9.2W	51 13.307	0.0006	13	-37 22 55.12	0.012	13	0.26	13.299	15	35.7	55.28	21	35.7	F8	C8	10303	C -3713415
45	10.0	9.9W	51 18.293	0.0017	18	-37 3 12.49	-0.014	18	0.32	18.269	15	35.7	12.28	21	35.7	F0	C8	10305	C -3713418
46	10.4	9.3W	51 22.625	0.0007	21	-32 17 51.36	0.004	21	0.43	22.612	22	32.2	51.43	21	32.2	K0	C7	10841	C -3215568
47	10.3	10.1W	51 25.257	-0.0014	21	-31 25 53.59	0.035	21	0.43	25.282	22	32.2	54.22	21	32.2	G0 L	C7	10842	C -3117151
48	9.1	8.5W	51 26.053	0.0002	13	-39 32 12.89	0.021	13	0.26	26.050	15	35.7	13.18	21	35.7	G5	C8	10306	C -3913512
49	10.1	9.4W	51 30.393	0.0106	21	-33 25 4.94	-0.033	21	0.43	30.204	22	32.2	4.35	21	32.2	K0	C7	10843	C -3314557
50	9.8	9.8W	51 44.838	-0.0043	21	-32 39 30.69	-0.002	21	0.43	44.914	22	32.2	30.65	21	32.2	A2	C7	10844	C -3215569
51		7.0T	19 51 45.549	0.0025	20	-36 20 2.14	-0.016	20	0.88	45.437	18	05.9	1.42	18	06.2	A2	GC	27554	C*-3613771
52	11.0	9.6W	51 47.276	-0.0021	21	-33 51 53.85	0.023	21	0.43	47.314	22	32.2	54.26	21	32.2		C7	10845	C -3414006
53		6.4T	51 53.032	-0.0009	06	-33 10 43.24	0.000	05	0.31	53.073	14	02.9	43.26	14	99.4	K0	GC	27559	C -3314560
54	10.0	9.7W	52 6.397	0.0007	21	-34 48 25.01	-0.002	21	0.43	6.385	22	32.2	24.96	21	32.2	F2	C7	10847	C -3414013
55	10.2	10.0W	52 7.989	0.0007	13	-39 28 34.13	0.011	13	0.26	7.979	15	35.7	34.28	21	35.7	F8	C8	10310	C -3913514
56		10.4W	52 8.848	-0.0008	21	-31 34 26.73	-0.039	21	0.43	8.862	22	32.2	26.03	21	32.2		C7	10848	C -3117161
57	10.1	9.0W	52 11.783	-0.0004	18	-37 26 46.27	0.008	18	0.32	11.789	15	35.7	46.38	21	35.7	K0	C8	10311	C -3713428
58		10.4W	52 13.683	-0.0005	21	-31 54 41.13	0.045	21	0.43	13.692	22	32.2	41.93	21	32.2		C7	10849	C -3215574
59	9.4	9.0W	52 24.166	-0.0037	21	-31 13 38.99	0.001	21	0.43	24.232	22	32.2	39.02	21	32.2	G0	C7	10850	C -3117164
60	10.7	10.2W	52 27.422	-0.0051	21	-32 14 29.38	0.059	21	0.43	27.512	22	32.2	30.43	21	32.2		C7	10851	C -3215577
61	10.0	9.7W	52 33.179	-0.0030	21	-31 46 27.36	-0.024	21	0.43	33.232	22	32.2	26.93	21	32.2	F2	C7	10852	C -3117167
62	10.5	8.8W	52 45.136	-0.0009	13	-36 48 3.93	-0.024	13	0.26	45.149	15	35.7	3.58	21	35.7	K5	C8	10313	C -3613778
63	9.1	8.8W	52 46.167	0.0055	07	-38 23 24.09	-0.014	07	0.21	46.089	15	35.7	23.88	21	35.7	F2	C8	10314	C -3813758
64		6.6T	52 50.345	0.0029	15	-38 27 34.40	-0.010	13	0.73	50.204	18	01.3	33.87	21	98.5	K5	GC	27586K	C -3813759
65	11.1	9.8W	52 54.273	-0.0009	21	-30 12 4.54	0.071	21	0.43	54.290	22	32.2	5.79	21	32.2		C7	10853	C -3017480
66	9.7	9.6W	53 3.953	0.0040	21	-30 38 37.77	0.025	21	0.43	3.882	22	32.2	38.22	21	32.2	F0 L	C7	10854	C -3017483
67	10.3	10.1W	53 5.512	-0.0050	21	-31 7 50.71	-0.011	21	0.43	5.602	22	32.2	50.52	21	32.2	G0 L	C7	10855	C -3117175
68	8.5	8.0W	53 6.791	-0.0040	21	-31 44 41.20	-0.161	21	0.43	6.662	22	32.2	38.33	21	32.2	G0	C7	10856	C -3117176
69	9.8	8.5W	53 15.327	0.0037	21	-30 59 47.12	-0.090	21	0.43	15.262	22	32.2	45.52	21	32.2	K5	C7	10857	C -3117177
70	9.0	9.2W	53 20.337	-0.0007	13	-35 38 8.65	-0.014	13	0.26	20.348	15	35.7	8.48	21	35.7	A0	C8	10317	C -3513797
71	10.9	10.2W	53 21.489	-0.0075	21	-32 5 38.79	0.030	21	0.43	21.622	22	32.2	39.33	21	32.2		C7	10858	C -3215589
72	10.2	9.0W	53 23.866	-0.0011	21	-33 39 20.66	-0.017	21	0.43	23.884	22	32.2	20.35	21	32.2	K2	C7	10859	C -3314573
73	9.2	8.3W	53 25.902	0.0326	21	-31 28 11.20	0.023	21	0.43	25.322	22	32.2	11.62	21	32.2	K0	C7	10860	C -3117179
74	8.6	7.8W	53 26.254	0.0025	18	-37 14 24.74	-0.018	18	0.32	26.219	15	35.7	24.48	21	35.7	K0	C8	10318	C -3713439
75	9.9	9.8W	53 27.767	0.0020	18	-38 15 18.03	-0.024	18	0.32	27.739	15	35.7	17.68	21	35.7	F0	C8	10319	C -3813767
76	9.4	9.2W	53 35.894	0.0004	13	-36 30 43.30	-0.001	13	0.26	35.889	15	35.7	43.28	21	35.7	F0	C8	10321	C -3613788
77		6.6T	53 40.514	0.0037	10	-30 42 14.94	-0.003	08	0.56	40.309	15	94.5	14.74	14	90.0	A2	GC	27598	C -3017490
78	10.3	9.6W	53 48.505	0.0012	21	-33 44 29.94	0.001	21	0.43	48.484	22	32.2	29.96	21	32.2	K0	C7	10863	C -3314579
79	10.8	9.5W	53 53.380	0.0016	21	-30 51 30.39	0.046	21	0.43	53.352	22	32.2	31.22	21	32.2		C7	10864	C -3117188
80	9.2	8.2W	53 54.525	-0.0028	21	-34 41 46.80	0.004	21	0.43	54.575	22	32.2	46.86	21	32.2	K0	C7	10865	C -3414035
81	9.6	9.2W	53 58.051	0.0032	21	-34 28 33.17	-0.040	21	0.43	57.995	22	32.2	32.46	21	32.2	G0	C7	10866	C -3414036
82	8.7	7.8W	53 58.655	0.0024	13	-39 31 6.22	-0.065	13	0.26	58.620	15	35.7	5.28	21	35.7	K0	C8	10324	C -3913529
83	10.3	9.5W	54 2.507	0.0003	21	-31 9 35.70	0.029	21	0.43	2.502	22	32.2	36.22	21	32.2	G5	C7	10867	C -3117192
84	8.7	8.0W	54 6.312	0.0024	21	-30 20 5.04	0.020	21	0.43	6.270	22	32.2	5.39	21	32.2	G5	C7	10868	C -3017497
85	7.8	7.4W	54 18.000	0.0022	07	-37 52 49.91	0.040	07	0.21	17.969	15	35.7	50.48	21	35.7	G0	C8	10327	C -3813775
86		6.5T	54 21.258	0.0075	15	-38 11 32.04	-0.081	13	0.73	20.894	18	01.5	27.84	21	98.3	F5	GC	27619	C -3813776
87	9.2	8.1W	54 30.083	-0.0004	18	-37 47 47.76	0.030	18	0.32	30.088	15	35.7	48.18	21	35.7	K2	C8	10329	C -3713448
88	10.5	9.0W	54 35.930	-0.0018	21	-31 30 16.94	-0.012	21	0.43	35.962	22	32.2	16.73	21	32.2	K2	C7	10869	C -3117197
89	8.9	8.6W	54 36.035	-0.0005	21	-34 21 7.27	0.011	21	0.43	36.044	22	32.2	7.46	21	32.2	F0	C7	10870	C -3414049
90	9.7	8.8W	54 40.746	-0.0003	21	-31 2 42.23	0.010	21	0.43	40.752	22	32.2	42.42	21	32.2	K0	C7	10871	C -3117200
91	9.2	9.0W	54 40.964	-0.0004	13	-39 21 21.54	0.017	13	0.26	40.969	15	35.7	21.78	21	35.7	F2	C8	10331	C -3913537
92	10.7	9.4W	54 43.229	-0.0020	21	-33 1 29.76	0.005	21	0.43	43.264	22	32.2	29.85	21	32.2	K L	C7	10872	C -3314583
93	9.3	9.2W	54 47.914	0.0007	21	-30 53 39.60	-0.005	21	0.43	47.902	22	32.2	39.52	21	32.2	F5	C7	10873	C -3117202
94		10.5W	54 50.728	-0.0030	21	-31 24 23.62	-0.017	21	0.43	50.782	22	32.2	23.32	21	32.2		C7	10874	C -3117201
95		7.7T	54 55.091	-0.0016	18	-35 19 22.48	-0.001	13	0.78	55.167	19	03.4	22.41	18	00.8	G5	GC	27633	C -3513815
96		7.0T	54 55.628	0.0040	13	-36 49 18.56	-0.049	12	0.65	55.436	19	02.0	16.07	18	99.5	F0	GC	27634	C -3713454
97	10.2	8.8W	55 7.871	-0.0005	13	-37 12 20.07	-0.015	13	0.26	7.879	15	35.7	20.28	21	35.7	K2	C8	10338	C -3713455
98	10.6	9.6W	55 11.882	-0.0005	21	-30 52 11.92	-0.034	21	0.43	11.892	22	32.2	11.32	21	32.2	K0	C7	10875	C -3117205
99	9.0	7.8W	55 19.984	0.0022	21	-32 33 44.15	-0.017	21	0.43	19.944	22	32.2	44.45	21	32.2	K0	C7	10876	C -3215606
00	8.9	8.7W	55 20.706	0.0025	21	-30 12 27.11	-0.006	21	0.43	20.660	22	32.2	26.99	21	32.2	F5	C7	10877	C -3017517

211700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 19H DM NUMBER
1	8.6	7.7W	19 55 22.815	0.0006	21	-32 45 53.61	-0.008	21	0.43	22.804	22	32.2	53.75	21	32.2	G5	C7	10878	C -3215607
2	9.5	9.2W	55 26.521	0.0060	21	-32 53 56.05	-0.000	21	0.43	26.414	22	32.2	56.05	21	32.2	A3	C7	10879	C -3314607
3	9.8	9.6W	55 28.414	-0.0017	21	-33 22 51.71	-0.020	21	0.43	28.444	22	32.2	51.35	21	32.2	F8	C7	10880	C -3314608
4	10.3E	9.3*	55 29.047	0.0005	12	-39 59 19.27	-0.012	12	0.67	29.023	28	98.2	18.65	26	98.2	F5	C2	10510	F -40 9151
5	9.7	9.1W	55 29.670	0.0005	21	-31 3 48.58	0.024	21	0.43	29.662	22	32.2	49.02	21	32.2	G5	C7	10881	C -3117207
6	10.3	8.9W	55 38.675	0.0001	21	-33 32 56.47	0.022	21	0.43	38.675	22	32.2	56.86	21	32.2	K2	C7	10882	C -3314611
7	8.5	8.4W	55 45.538	0.0035	18	-37 58 38.10	-0.029	18	0.32	45.488	15	35.7	37.68	21	35.7	F2	C8	10340	C -3813789
8		6.2T	55 47.855	0.0070	11	-30 40 25.59	-0.052	09	0.59	47.471	18	95.1	22.45	17	89.9	K0	GC	27657	C -3017525
9	10.7	9.5W	55 50.959	-0.0024	21	-31 27 53.39	0.018	21	0.43	51.002	22	32.2	53.72	21	32.2	K2	C7	10884	C -3117210
10	10.2	9.2W	55 54.712	0.0022	13	-39 49 50.37	0.008	13	0.26	54.680	15	35.7	50.48	21	35.7	K0	C8	10341	C -4013590
11	9.6	9.5W	56 11.167	-0.0021	21	-34 31 49.92	0.003	21	0.43	11.205	22	32.2	49.96	21	32.2	F0	C7	10885	C -3414067
12	9.2	8.1W	56 15.619	0.0025	21	-32 50 16.92	-0.021	21	0.43	15.574	22	32.2	16.55	21	32.2	K0	C7	10887	C -3314625
13	10.7	9.3W	56 18.309	0.0025	21	-33 15 24.46	-0.031	21	0.43	18.264	22	32.2	23.85	21	32.2		C7	10888	C -3314621
14		7.2T	56 24.228	0.0024	13	-37 30 42.77	-0.009	12	0.66	24.113	21	01.6	42.31	19	00.2	A0	GC	27667	C -3713464
15	9.8	8.8W	56 27.093	0.0033	21	-33 40 30.36	-0.056	21	0.43	27.035	22	32.2	29.36	21	32.2	K0	C7	10889	C -3314624
16		4.4H	56 29.133	0.0006	03	-35 24 47.51	-0.024	03	0.11	29.116	06	22.5	46.77	06	19.6	B3	F4	751	C -3513831
17		5.3T	56 36.763	0.0081	07	-34 50 3.17	-0.074	05	0.29	36.431	12	09.0	59.76	14	03.9	A3	GC	27676K	C*-3513832
18	11.1	10.8W	56 51.449	-0.0103	21	-32 9 54.37	-0.019	21	0.43	51.632	22	32.2	54.03	21	32.2		C7	10891	C -3215620
19		6.0T	56 57.077	0.0015	13	-37 50 23.07	-0.018	12	0.71	57.000	21	99.1	22.09	19	96.1	K0	GC	27683K	C -3813802
20	10.9	9.4W	57 2.687	-0.0014	21	-31 40 53.67	0.003	21	0.43	2.712	22	32.2	53.73	21	32.2		C7	10892	C -3117225
21	9.6	9.4W	57 4.851	-0.0023	21	-30 48 53.23	0.010	21	0.43	4.892	22	32.2	53.42	21	32.2	F5	C7	10893	C -3117226
22	9.4	9.0W	57 5.229	0.0078	09	-36 13 4.37	-0.034	09	0.22	5.118	15	35.7	3.88	21	35.7	F8	C8	10352	C -3613818
23	10.9	9.3W	57 6.461	0.0016	10	-37 52 7.64	-0.004	10	0.23	6.438	15	35.7	7.58	21	35.7	MA	C8	10353	C -3813804
24		5.7T	57 7.144	0.0108	09	-33 50 15.06	-0.305	09	0.41	6.677	15	06.9	2.47	14	08.7	F5	GC	27693	C*-3414082
25	10.0	9.1W	57 8.300	-0.0014	21	-32 48 17.22	-0.043	21	0.43	8.324	22	32.2	16.45	21	32.2	K0	C7	10895	C -3314637
26	9.5	9.3W	57 21.084	0.0040	21	-32 23 37.10	-0.015	21	0.43	21.012	22	32.2	36.83	21	32.2	F0	C7	10896	C -3215627
27	10.0	9.6W	57 21.566	-0.0011	21	-33 46 18.13	-0.077	21	0.43	21.585	22	32.2	16.75	21	32.2	G	C7	10897	C -3314639
28	10.0	9.5W	57 25.141	0.0011	21	-30 36 32.18	0.030	21	0.43	25.122	22	32.2	32.72	21	32.2	F8	C7	10898	C -3017550
29		7.3T	57 28.491	0.0026	15	-32 18 49.95	-0.027	13	0.73	28.362	19	00.7	48.57	19	98.1	A0	GC	27701	C -3215630
30	11.0	9.6W	57 42.515	0.0002	21	-31 19 20.29	-0.010	21	0.43	42.512	22	32.2	20.12	21	32.2		C7	10900	C -3117238
31	9.2	9.4W	57 44.617	-0.0026	21	-33 38 23.99	-0.013	21	0.43	44.664	22	32.2	23.75	21	32.2	A0	C7	10901	C -3314647
32	9.5	9.3W	57 45.301	-0.0006	21	-31 27 2.08	0.030	21	0.43	45.312	22	32.2	2.62	21	32.2	F5	C7	10902	C -3117245
33	9.7	8.7W	57 48.931	0.0054	21	-32 58 30.05	0.017	21	0.43	48.834	22	32.2	30.35	21	32.2	G5	C7	10903	C -3314649
34		7.6T	57 52.605	0.0037	14	-38 43 28.60	-0.073	13	0.73	52.423	22	00.9	24.82	21	98.5	F2	GC	27717K	C*-3813809
35		7.4T	57 53.448	0.0023	14	-38 48 57.22	-0.170	13	0.72	53.335	22	00.7	48.39	21	98.2	F5	GC	27719	C*-3913560
36	10.2	9.3W	58 7.221	0.0054	21	-33 5 41.42	-0.049	21	0.43	7.124	22	32.2	40.55	21	32.2	K0	C7	10904	C -3314651
37	9.8	9.4W	58 12.431	0.0029	13	-39 2 32.68	-0.076	13	0.26	12.389	15	35.7	31.58	21	35.7	F5	C8	10362	C -3913565
38		10.0W	58 12.473	0.0017	21	-32 9 23.65	-0.001	21	0.43	12.442	22	32.2	23.63	21	32.2		C7	10905	C -3215638
39		7.5T	58 16.277	-0.0023	13	-36 49 4.41	0.003	12	0.65	16.389	17	01.2	4.55	15	97.8	K2	GC	27733	C -3713484
40	8.9	8.6W	58 16.726	-0.0009	18	-36 59 25.05	0.024	18	0.32	16.739	15	35.7	25.38	21	35.7	F5	C8	10366	C -3713483
41	9.5	8.6W	58 17.542	-0.0018	21	-34 15 42.24	0.018	21	0.43	17.575	22	32.2	42.56	21	32.2	K0	C7	10906	C -3414090
42	10.0	9.7W	58 24.159	0.0021	21	-30 30 27.06	0.059	21	0.43	24.122	22	32.2	28.12	21	32.2	G0	L C7	10907	C -3017568
43	10.5	9.5W	58 24.500	0.0001	18	-38 22 2.32	0.012	18	0.32	24.499	15	35.7	2.48	21	35.7		C8	10369	C -3813814
44	9.0	8.2W	58 25.417	-0.0010	21	-34 43 27.03	-0.009	21	0.43	25.435	22	32.2	26.86	21	32.2	K0	C7	10908	C -3414093
45	11.0	10.4W	58 28.556	-0.0004	21	-33 47 44.32	-0.020	21	0.43	28.564	22	32.2	43.95	21	32.2		C7	10910	C -3414095
46	10.4	9.2W	58 34.084	-0.0016	13	-35 45 1.95	-0.004	13	0.26	34.108	15	35.7	1.88	21	35.7	K5	C8	10371	C -3513852
47	8.5	8.6W	58 36.697	0.0024	21	-33 4 59.79	-0.030	21	0.43	36.654	22	32.2	59.25	21	32.2	A2	C7	10911	C -3314656
48	11.2	10.6W	58 41.574	0.0017	21	-33 48 32.35	0.051	21	0.43	41.544	22	32.2	33.25	21	32.2	G0	L C7	10912	C -3414096
49	9.9	8.5W	58 44.354	-0.0023	21	-34 50 18.42	0.042	21	0.43	44.395	22	32.2	19.17	21	32.2	K5	C7	10913	C -3513853
50	9.7	9.5W	58 59.081	-0.0017	21	-31 6 58.96	-0.008	21	0.43	59.112	22	32.2	58.82	21	32.2	F0	C7	10914	C -3117252
51	10.2	9.0W	19 59 9.234	0.0012	13	-35 24 52.83	-0.031	13	0.26	9.217	15	35.7	52.38	21	35.7	K2	C8	10374	C -3513857
52	10.6	10.0W	59 9.980	-0.0008	21	-32 43 29.17	-0.046	21	0.43	9.994	22	32.2	28.35	21	32.2	G0	L C7	10915	C -3215652
53	10.0	8.9W	59 14.886	0.0034	13	-36 7 7.95	-0.018	13	0.26	14.858	15	35.7	7.68	21	35.7	K2	C8	10375	C -3613846
54	8.7	9.1W	59 16.138	0.0006	13	-39 28 44.83	-0.024	13	0.26	16.129	15	35.7	44.48	21	35.7	A0	C8	10376	C -3913574
55	10.6	9.8W	59 19.335	-0.0009	21	-30 5 22.39	0.034	21	0.43	19.350	22	32.2	22.99	21	32.2	K0	L C7	10916	C -3017582
56	9.6	8.6W	59 19.426	-0.0024	21	-34 0 37.01	-0.059	21	0.43	19.385	22	32.2	35.96	21	32.2	G5	C7	10917	C -3414104
57	10.9	9.9W	59 19.573	-0.0005	21	-31 56 58.10	-0.032	21	0.43	19.582	22	32.2	57.53	21	32.2	K	L C7	10919	C -3215654
58	10.1	10.0W	59 19.590	-0.0009	21	-34 23 12.29	-0.097	21	0.43	19.575	22	32.2	10.56	21	32.2	F5	L C7	10918	C -3414105
59	10.1	10.0W	59 21.204	-0.0000	21	-33 55 45.04	-0.027	21	0.43	21.204	22	32.2	44.56	21	32.2	F5	C7	10920	C -3414107
60	11.0	9.9W	59 22.322	0.0011	21	-31 54 41.31	-0.027	21	0.43	22.302	22	32.2	40.83	21	32.2	K	L C7	10921	C -3215656
61		10.0W	59 22.872	-0.0011	21	-31 17 37.42	0.011	21	0.43	22.892	22	32.2	37.62	21	32.2		C7	10922	C -3117256
62	9.8	9.4W	59 26.018	0.0032	21	-30 26 30.45	0.014	21	0.43	25.960	22	32.2	30.69	21	32.2	G5	L C7	10923	C -3017583
63		10.6W	59 40.584	0.0007	21	-30 39 59.31	0.011	21	0.43	40.572	22	32.2	59.52	21	32.2		C7	10924	C -3017586
64	9.0	8.2W	59 50.170	0.0023	13	-35 27 41.22	-0.030	13	0.26	50.137	15	35.7	40.78	21	35.7	K0	C8	10379	C -3513864
65	10.2	10.0W	20 0 8.893	-0.0017	18	-35 41 22.89	-0.014	18	0.32	8.918	15	35.7	22.68	21	35.7		C8	10380	C -3513866
66	10.6	9.8W	0 9.234	0.0024	21	-31 23 39.56	-0.031	21	0.43	9.192	22	32.2	39.02	21	32.2		C7	10925	C -3117264
67		4.8T	0 14.415	0.0056	06	-38 4 50.49	-0.086	05	0.26	14.169	09	05.9	46.50	10	03.7	K5	GC	27779	C*-3813828
68		6.9T	0 14.765	0.0028	16	-38 59 34.55	0.056	13	0.74	14.632	21	02.6	37.39	19	99.1	F0P	GC	27780	C -3913583
69		7.0T	0 14.789	-0.0022	14	-36 44 12.52	0.002	13	0.71	14.897	21	00.9	12.61	19	98.6	A2	GC	27781K	C*-3613856
70		6.9T	0 17.848	0.0035	13	-37 40 8.36	-0.123	13	0.67	17.680	21	01.9	2.25	19	00.4	K0	GC	27784	C -3713500
71	9.6	9.3W	0 23.271	-0.0004	13	-35 59 22.54	0.010	13	0.26	23.278	15	35.7	22.68	21	35.7	G5	C8	10385	C -3613858
72		7.2T	0 26.479	0.0007	13	-36 12 2.59	0.006	13	0.67	26.443	18	01.1	2.87	18	00.2	K0	GC	27789	C -3613859
73	9.9	9.4W	0 29.611	0.0029	13	-38 58 12.56	-0.075	13	0.26	29.569	15	35.7	11.48	21	35.7	G5	C8	10387	C -3913585
74	10.2	10.2W	0 30.044	-0.0021	21	-31 24 2.55	0.026	21	0.43	30.082	22	32.2	3.02	21	32.2	A0	C7	10926	C -3117268
75	10.9	10.6W	0 30.770	0.0010	21	-31 38 39.98	0.070	21	0.43	30.752	22	32.2	41.23	21	32.2	G0	L C7	10927	C -3117270
76	10.3	9.9W	0 32.951	0.0033	21	-32 13 45.32	-0.061	21	0.43	32.892	22	32.2	44.23	21	32.2	F5.	C7	10928	C -3215674
77	10.4	9.3W	0 33.631	-0.0013	21	-34 9 43.79	-0.035	21	0.43	33.654	22	32.2	43.16	21	32.2	K0	L C7	10929	C -3414123
78		6.9T	0 43.696	0.0067	12	-38 0 45.87	-0.388	10	0.61	43.353	18	98.9	24.67	18	95.4	G0	GC	27798	C -3813832
79	9.9	9.2W	0 55.794	0.0012	13	-36 18 13.62	-0.023	13	0.26	55.778	15	35.7	13.28	21	35.7	G5	C8	10391	C -3613861
80	9.0	8.2W	1 2.876	0.0014	13	-35 28 52.70	0.006	13	0.26	2.857	15	35.7	52.78	21	35.7	G0	C8	10393	C -3513880
81	9.0	8.0W	1 8.248	0.0009	21	-30 51 26.05	0.003	21	0.44	8.231	22	31.7	26.12	21	31.7	K2	C7	10930	C -3117278
82		5.0T	1 9.535	0.0034	04	-32 11 53.28	-0.002	04	0.17	9.394	06	08.7	53.22	06	07.4	K0	GC	27811K	C*-3215682
83		10.2W	1 9.792	-0.0005	21	-31 25 47.08	0.007	21	0.44	9.802	22	31.7	47.22	21	31.7		C7	10932	C -3117277
84	8.8	7.4W	1 17.143	0.0045	21	-30 18 29.91	-0.028	21	0.44	17.060	22	31.7	29.39	21	31.7	K2	C7	10933	C -3017613
85	9.1	8.6W	1 22.074	0.0012	13	-35 21 19.72	-0.051	13	0.26	22.057	15	35.7	18.98	21	35.7	G0	C8	10395	C -3513884
86	9.3	8.3W	1 24.456	0.0020	13	-36 8 52.27	0.029	13	0.26	24.428	15	35.7	52.68	21	35.7	K0	C8	10396	C -3613867
87	10.2	9.5W	1 33.002	0.0010	21	-34 8 8.46	-0.038	21	0.44	32.985	22	31.7	7.75	21	31.7	K0	L C7	10935	C -3414134
88	11.1	10.3W	1 41.930	-0.0034	21	-31 36 54.89	-0.009	21	0.44	41.992	22	31.7	54.73	21	31.7		C7	10936	C -3117284
89	9.5	9.5W	1 47.574	-0.0003	18	-37 22 42.45	0.024	18	0.32	47.579	15	35.7	42.78	21	35.7	A3	C8	10401	C -3713514
90	9.1	8.4W	1 47.699	0.0041	21	-33 53 41.81	-0.030	21	0.44	47.624	22	31.7	41.26	21	31.7	G5	C7	10937	C -3414136
91	9.5	8.7W	1 49.934	-0.0016	21	-33 44 9.68	0.010	21	0.44	49.964	22	31.7	9.85	21	31.7	G5	C7	10938	C -3314696
92	10.2	9.1W	1 51.843	0.0027	21	-34 9 49.72	-0.003	21	0.44	51.794	22	31.7	49.66	21	31.7		C7	10939	C -3414137
93	9.7	9.5W	1 54.368	-0.0031	21	-32 39 57.71	-0.058	21	0.44	54.424	22	31.7	56.65	21	31.7	G0	C7	10940	C -3215689
94		7.5T	2 0.270	0.0018	13	-36 31 18.50	-0.045	12	0.64	0.182	15	01.3	16.24	17	00.1	A3	GC	27839	C -3613871
95	9.2	9.1W	2 4.744	0.0007	21	-30 5 1.36	-0.025	21	0.44	4.730	22	31.7	0.89	21	31.7	F8	C7	10941	C -3017625
96		7.0T	2 12.201	0.0014	17	-34 48 34.25	-0.016	14	0.80	12.132	19	01.4	33.43	19	98.4	A0	GC	27845	C -3513899
97	10.5	9.1W	2 20.172	-0.0012	21	-34 2 44.12	0.002	21	0.44	20.195	22	31.7	44.16	21	31.7	K2	L C7	10943	C -3414139
98		6.5T	2 20.953	0.0015	09	-33 8 35.54	-0.016	08	0.51	20.870	17	95.6	34.66	17	93.4	B8	GC	27851K	C*-3314700
99	8.1	7.9W	2 22.927	0.0020	13	-37 51 28.86	0.016	13	0.26	22.899	15	35.7	29.08	21	35.7	F0	C8	10407	C -3813850
00	10.0	8.9W	2 24.231	0.0002	13	-36 40 48.90	-0.022	13	0.26	24.229	15	35.7	48.58	21	35.7	K0	C8	10408	C -3613876

211800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.0	8.4W	20 2 24.491	-0.0039	09	-35 3 40.22	-0.177	09	0.22	24.547	15	35.7	37.68	21	35.7	G0		C8	10409	C -3513902
2	7.9	7.7W	2 29.781	-0.0012	06	-36 38 34.12	-0.002	06	0.20	29.799	15	35.7	34.08	21	35.7	F5		C8	10410	C -3613877
3	9.4	8.9W	2 46.940	-0.0014	13	-39 32 5.30	-0.029	13	0.26	46.960	15	35.7	4.88	21	35.7	G0		C8	10412	C -3913602
4	10.7	9.9W	2 52.283	0.0012	21	-30 21 17.96	-0.014	21	0.44	52.260	22	31.7	17.69	21	31.7			C7	10945	C -3017639
5	10.1	10.0W	2 57.553	-0.0055	21	-33 48 42.09	-0.051	21	0.44	57.654	22	31.7	41.15	21	31.7	F5	L	C7	10946	C -3414146
6	9.2	8.5W	2 57.998	0.0009	21	-30 56 59.38	-0.026	21	0.44	57.982	22	31.7	58.91	21	31.7	K2		C7	10947	C -3117297
7	9.1	8.9W	3 6.254	0.0003	18	-38 37 57.90	-0.008	18	0.32	6.249	15	35.7	57.78	21	35.7	F5		C8	10414	C -3813854
8	11.5	10.0W	3 7.554	-0.0016	15	-35 44 43.94	0.010	15	0.28	7.578	15	35.7	44.08	21	35.7			C8	10415	C -3513908
9	9.4	8.6W	3 10.347	-0.0028	13	-36 19 59.20	0.020	13	0.26	10.388	15	35.7	59.48	21	35.7	K0		C8	10416	C -3613886
10	8.4	8.0W	3 18.893	-0.0005	21	-31 42 42.39	-0.140	21	0.44	18.902	22	31.7	39.83	21	31.7	G5		C7	10948	C -3117299
11	10.7	9.9W	3 19.913	-0.0004	18	-38 6 10.85	0.017	18	0.32	19.910	15	35.7	11.08	21	35.7	K0		C8	10417	C -3813857
12	10.0	9.4W	3 24.676	0.0029	21	-32 22 13.13	-0.027	21	0.44	24.622	22	31.7	12.63	21	31.7	G5		C7	10949	C -3215705
13	9.8	8.4W	3 25.104	-0.0017	13	-37 14 0.90	0.006	13	0.26	25.129	15	35.7	0.98	21	35.7	K5		C8	10418	C -3713528
14	10.0	9.1W	3 41.644	0.0007	21	-30 3 25.39	0.055	21	0.44	41.630	22	31.7	26.39	21	31.7	K2		C7	10951	C -3017654
15	10.5	9.5W	3 48.265	-0.0015	21	-31 52 50.90	-0.004	21	0.44	48.292	22	31.7	50.83	21	31.7	K0	L	C7	10952	C -3215708
16	10.7		3 52.668	0.0007	18	-37 39 57.34	0.045	18	0.32	52.658	15	35.7	57.98	21	35.7			C8	10422	C -3713534
17	9.4	8.5W	3 56.446	-0.0023	13	-39 29 51.09	-0.000	13	0.26	56.479	15	35.7	51.08	21	35.7	G5		C8	10423	C -3913618
18	9.9	9.8W	3 57.392	0.0011	21	-32 26 9.16	-0.007	21	0.44	57.372	22	31.7	9.03	21	31.7	A5		C7	10953	C -3215712
19	10.7	9.7W	4 2.990	-0.0023	21	-31 46 55.02	-0.027	21	0.44	3.032	22	31.7	54.53	21	31.7	K2	L	C7	10954	C -3215716
20	9.4	9.1W	4 3.602	0.0032	13	-35 5 10.06	-0.012	13	0.26	3.557	15	35.7	9.88	21	35.7	G5		C8	10424	C -3513923
21		7.5T	4 5.303	0.0008	14	-35 40 51.56	-0.207	12	0.67	5.262	17	01.2	40.91	15	98.7	G5		GC	27893	C -3513924
22	10.1	9.1W	4 7.636	-0.0024	13	-39 52 51.77	0.029	13	0.26	7.670	15	35.7	52.18	21	35.7	K0		C8	10426	C -4013674
23	9.9	9.2W	4 14.224	0.0011	21	-34 5 50.03	-0.009	21	0.44	14.204	22	31.7	49.86	21	31.7	G5	L	C7	10955	C -3414159
24	9.5	9.1W	4 18.478	0.0013	21	-34 51 5.85	-0.092	21	0.44	18.455	22	31.7	4.16	21	31.7	G5		C7	10956	C -3513929
25		7.5T	4 20.547	0.0009	14	-35 48 1.84	-0.010	12	0.67	20.502	18	02.0	1.30	18	98.6	A3		GC	27901	C -3613894
26	10.3	9.8W	4 22.555	-0.0042	21	-31 59 9.97	-0.079	21	0.44	22.632	22	31.7	8.53	21	31.7	G5	L	C7	10957	C -3215720
27	10.4	9.7W	4 25.176	-0.0030	21	-31 24 16.89	-0.021	21	0.44	25.231	22	31.7	16.51	21	31.7			C7	10958	C -3117318
28	10.4	9.7W	4 27.292	0.0006	21	-30 19 6.39	0.017	21	0.44	27.280	22	31.7	6.69	21	31.7	G5	L	C7	10959	C -3017666
29	8.8	7.7W	4 27.495	0.0006	21	-33 28 53.00	-0.101	21	0.44	27.484	22	31.7	51.15	21	31.7	K0		C7	10960	C -3314729
30		7.4T	4 32.268	0.0015	10	-39 59 14.96	-0.081	09	0.44	32.203	14	06.4	11.34	14	05.5	F5		GC	27905	C -4013678
31	10.1	8.7W	4 33.388	0.0013	21	-32 45 8.08	0.004	21	0.44	33.364	22	31.7	8.15	21	31.7	K5		C7	10961	C -3215722
32	10.1	10.0W	4 34.240	-0.0039	21	-30 48 5.18	-0.004	21	0.44	34.312	22	31.7	5.12	21	31.7	F5	L	C7	10962	C -3117321
33	10.0	9.2W	4 35.678	0.0029	21	-32 59 52.22	-0.004	21	0.44	35.624	22	31.7	52.15	21	31.7	K0		C7	10963	C -3314730
34	8.9	8.7W	4 37.741	0.0060	21	-30 59 52.73	0.021	21	0.44	37.632	22	31.7	53.12	21	31.7	G0		C7	10964	C -3117322
35	11.0	10.2W	4 41.584	-0.0053	21	-30 52 23.00	0.066	21	0.44	41.682	22	31.7	24.22	21	31.7			C7	10965	C -3117324
36	10.4	9.0W	4 44.523	-0.0021	21	-30 57 55.63	-0.001	21	0.44	44.562	22	31.7	55.62	21	31.7			C7	10966	C -3117326
37	9.8	9.8W	4 47.587	-0.0035	21	-31 19 28.74	-0.051	21	0.44	47.652	22	31.7	27.82	21	31.7	F8	L	C7	10967	C -3117325
38	10.3	9.8W	4 48.607	-0.0046	21	-31 24 56.75	-0.024	21	0.44	48.692	22	31.7	56.31	21	31.7			C7	10968	C -3117328
39	9.7	9.2W	4 52.096	0.0023	21	-34 0 41.95	-0.076	21	0.44	52.054	22	31.7	40.55	21	31.7	G5	L	C7	10969	C -3414168
40	8.2	8.7W	4 54.493	0.0010	21	-34 54 55.23	-0.009	21	0.44	54.475	22	31.7	55.06	21	31.7	B8		C7	10970	C -3513932
41	9.6	9.4W	4 54.509	-0.0020	18	-36 4 51.69	0.021	18	0.32	54.538	15	35.7	51.98	21	35.7	F5		C8	10435	C -3613900
42	9.7	8.7W	4 55.683	-0.0017	21	-32 34 32.15	-0.033	21	0.44	55.714	22	31.7	31.55	21	31.7	K0		C7	10971	C -3215727
43	8.4	8.3W	5 0.514	0.0010	06	-38 56 48.46	-0.019	06	0.20	0.499	15	35.7	48.18	21	35.7	A3		C8	10436	C -3913629
44	8.7	7.9W	5 5.398	0.0002	21	-34 46 25.88	-0.032	21	0.44	5.395	22	31.7	26.46	21	31.7	K0		C7	10972	C -3414171
45	10.5	9.5W	5 9.732	0.0006	21	-31 26 2.91	-0.011	21	0.44	9.722	22	31.7	2.72	21	31.7			C7	10973	C -3117335
46	8.4	7.6W	5 17.470	-0.0008	21	-34 39 33.59	-0.023	21	0.44	17.485	22	31.7	33.16	21	31.7	G5		C7	10974	C -3414172
47		7.9T	5 18.814	0.0031	17	-30 43 5.14	-0.004	18	0.82	18.670	17	03.4	4.95	17	04.7	K5		GC	27927	C -3017675
48	9.7	9.5W	5 22.258	0.0024	21	-33 26 52.25	-0.060	21	0.44	22.214	22	31.7	51.15	21	31.7	F8		C7	10976	C -3314742
49	10.8	9.5W	5 23.474	0.0022	21	-33 45 2.59	-0.029	21	0.44	23.435	22	31.7	2.05	21	31.7	K	L	C7	10977	C -3314741
50	9.7	9.5W	5 28.474	0.0045	21	-30 36 57.72	0.010	21	0.44	28.392	22	31.7	57.91	21	31.7	G0		C7	10978	C -3017677
51	10.3	10.2W	20 5 29.821	-0.0026	18	-37 49 51.69	0.014	18	0.32	29.859	15	35.7	51.88	21	35.7	F0		C8	10441	C -3813872
52	10.2	9.0W	5 41.367	0.0025	21	-30 2 20.83	0.020	21	0.44	41.320	22	31.7	21.19	21	31.7	K5		C7	10979	C -3017680
53	9.9	9.5W	5 47.201	-0.0002	21	-33 9 33.56	-0.066	21	0.44	47.204	22	31.7	32.35	21	31.7	G5		C7	10980	C -3314747
54	10.4	9.6W	5 47.960	-0.0006	21	-30 30 42.80	0.022	21	0.44	47.972	22	31.7	43.21	21	31.7			C7	10981	C -3017681
55	9.4	8.9W	5 50.847	0.0107	21	-30 34 52.74	-0.056	21	0.44	50.652	22	31.7	51.72	21	31.7	G5		C7	10982	C -3017682
56		7.3T	5 53.269	0.0027	17	-38 27 2.13	-0.014	13	0.75	53.147	21	04.8	1.42	19	00.2	K2		GC	27941	C -3813877
57	9.5	9.6W	5 59.082	-0.0012	21	-34 49 30.14	-0.042	21	0.44	59.105	22	31.7	29.36	21	31.7	A3		C7	10983	C -3513947
58	7.8	8.1W	6 4.089	0.0003	21	-33 30 49.12	-0.014	21	0.44	4.084	22	31.7	48.85	21	31.7	B9		C7	10984	C -3314749
59	10.8	9.7W	6 6.149	0.0009	21	-31 53 22.45	0.015	21	0.44	6.132	22	31.7	22.73	21	31.7	K0	L	C7	10985	C -3215745
60	8.9	8.2W	6 7.150	0.0001	08	-36 39 1.24	-0.157	08	0.22	7.149	15	35.7	58.98	21	35.7	G5		C8	10446	C -3613918
61	10.2	8.7W	6 9.105	0.0011	21	-32 51 59.57	0.010	21	0.44	9.084	22	31.7	59.75	21	31.7	K5		C7	10986	C -3314750
62	8.5	8.5W	6 11.814	-0.0002	13	-35 18 49.97	0.029	13	0.26	11.817	15	35.7	50.38	21	35.7	A2		C8	10447	C -3513950
63		7.2T	6 12.865	0.0005	13	-34 1 15.80	0.027	12	0.68	12.838	19	99.6	17.22	18	97.7	B9		GC	27949	C -3414179
64	9.8	8.7W	6 16.454	0.0028	21	-32 12 28.04	0.005	21	0.44	16.402	22	31.7	28.13	21	31.7	K5		C7	10988	C -3215751
65	10.9	10.2W	6 21.854	-0.0037	21	-31 12 26.72	-0.017	21	0.44	21.922	22	31.7	26.42	21	31.7			C7	10989	C -3117347
66	9.4	8.6W	6 24.457	-0.0015	21	-34 40 47.12	0.041	21	0.44	24.485	22	31.7	47.86	21	31.7	K0		C7	10990	C -3414182
67	10.2	9.7W	6 27.569	-0.0027	13	-36 8 38.18	-0.069	13	0.26	27.608	15	35.7	37.18	21	35.7	G0		C8	10451	C -3613923
68	10.0	9.9W	6 33.969	-0.0013	13	-36 10 53.96	-0.012	13	0.26	33.988	15	35.7	53.78	21	35.7	F2		C8	10453	C -3613924
69	8.0	7.9W	6 40.514	0.0012	13	-35 45 13.32	-0.002	13	0.26	40.498	15	35.7	13.28	21	35.7	F0		C8	10455	C -3513955
70	8.0	8.0W	6 46.038	-0.0013	13	-35 29 3.13	-0.038	13	0.26	46.057	15	35.7	2.58	21	35.7	A3		C8	10456	C -3513957
71	9.1	8.0W	6 50.130	0.0021	18	-38 42 50.19	-0.021	18	0.32	50.099	15	35.7	49.88	21	35.7	K2		C8	10458	C -3813886
72	10.0	9.2W	6 50.984	-0.0016	21	-33 34 46.93	-0.004	21	0.44	51.015	22	31.7	46.85	21	31.7	K0	L	C7	10991	C -3314761
73	9.3	8.1W	6 52.744	-0.0017	18	-36 48 9.74	-0.018	18	0.32	52.769	15	35.7	9.48	21	35.7	K2		C8	10459	C -3713569
74	8.0	8.1W	7 3.990	-0.0001	21	-31 18 50.19	-0.070	21	0.44	3.992	22	31.7	48.91	21	31.7	F0		C7	10992	C -3117357
75	9.6	8.7W	7 10.368	-0.0019	21	-31 40 9.81	0.001	21	0.44	10.402	22	31.7	9.83	21	31.7	K0		C7	10994	C -3117359
76	9.0	7.8W	7 20.395	-0.0043	21	-33 41 39.26	0.011	21	0.44	20.474	22	31.7	39.46	21	31.7	K2		C7	10995	C -3314766
77	10.6	9.6W	7 22.154	-0.0010	21	-32 27 51.01	-0.026	21	0.44	22.172	22	31.7	50.53	21	31.7	G5	L	C7	10996	C -3215764
78	9.5	9.4W	7 28.320	-0.0034	21	-31 44 10.43	-0.033	21	0.44	28.382	22	31.7	9.83	21	31.7	A5		C7	10997	C -3117363
79	10.2	9.3W	7 38.420	0.0022	18	-38 23 21.60	0.006	18	0.32	38.388	15	35.7	21.68	21	35.7	G5		C8	10464	C -3813895
80	9.8	9.1W	7 38.584	-0.0033	21	-34 55 1.66	0.017	21	0.44	38.645	22	31.7	1.96	21	31.7	K2		C7	10999	C -3513967
81	10.3	9.4W	7 42.110	-0.0001	21	-30 48 39.05	0.003	21	0.44	42.112	22	31.7	39.12	21	31.7	K0		C7	11000	C -3117368
82	10.0	9.4W	7 42.370	-0.0035	21	-33 45 49.51	0.030	21	0.44	42.435	22	31.7	50.05	21	31.7	G5	L	C7	11001	C -3314771
83		7.5T	7 44.701	0.0000	14	-32 28 19.76	-0.034	12	0.70	44.700	18	00.3	18.01	18	97.9	A0		GC	27988	C*-3215769
84	10.2	9.7W	7 50.461	-0.0089	21	-32 54 2.70	-0.041	21	0.44	50.624	22	31.7	1.95	21	31.7	G5	L	C7	11003	C -3314773
85		5.3T	7 55.026	0.0371	04	-36 13 42.58	-1.568	04	0.18	53.422	07	06.8	-32.01	06	05.0	K5P		GC	27992	C*-3613940
86	10.0	9.8W	7 57.767	0.0024	21	-33 35 55.01	-0.008	21	0.44	57.724	22	31.7	54.85	21	31.7	F8	L	C7	11004	C -3314775
87	8.8	8.8W	8 8.340	0.0036	18	-37 23 46.76	-0.012	18	0.32	8.289	15	35.7	46.58	21	35.7	A2		C8	10467	C -3713579
88	10.3	10.1W	8 12.071	-0.0061	21	-31 47 52.26	-0.007	21	0.44	12.182	22	31.7	52.13	21	31.7			C7	11005	C -3215772
89	10.1	10.4W	8 12.769	-0.0022	21	-30 25 43.67	-0.009	21	0.44	12.810	22	31.7	43.49	21	31.7	A0	L	C7	11006	C -3017713
90	8.8	8.7W	8 17.252	-0.0005	21	-30 56 52.28	-0.031	21	0.44	17.262	22	31.7	51.72	21	31.7	F2		C7	11007	C -3117374
91	9.6	8.6W	8 23.783	-0.0039	21	-32 30 49.04	0.017	21	0.44	23.854	22	31.7	49.35	21	31.7	K2		C7	11008	C -3215776
92	10.2	9.2W	8 24.195	0.0005	13	-36 24 21.00	-0.015	13	0.26	24.188	15	35.7	20.78	21	35.7	K0		C8	10468	C -3613951
93	9.9	8.6W	8 26.822	0.0016	21	-31 59 56.57	-0.013	21	0.44	26.792	22	31.7	56.33	21	31.7	K2		C7	11009	C -3215777
94	10.0	9.8W	8 32.511	-0.0017	21	-32 3 40.59	-0.009	21	0.44	32.542	22	31.7	40.43	21	31.7	G0	L	C7	11010	C -3215779
95	9.4	9.2W	8 36.516	0.0006	13	-36 14 20.72	0.040	13	0.26	36.508	15	35.7	21.28	21	35.7	F5		C8	10469	C -3613955
96	9.4	9.3W	8 48.466	0.0005	13	-36 41 33.92	-0.044	13	0.26	48.459	15	35.7	33.28	21	35.7	F8		C8	10472	C -3613956
97	10.2	9.7W	9 1.265	-0.0066	18	-38 35 6.26	-0.082	18	0.32	1.359	15	35.7	5.08	21	35.7	G0		C8	10474	C -3813915
98	9.8	8.3W	9 9.184	-0.0002	13	-35 55 59.69	-0.007	13	0.26	9.188	15	35.7	59.58	21	35.7	M8		C8	10476	C -3613959
99	10.9	10.1W	9 12.413	-0.0012	21	-33 22 54.43	-0.037	21	0.44	12.434	22	31.7	53.75	21	31.7	G5	L	C7	11011	C -3314785
00	9.7	9.8W	9 18.327	-0.0007	13	-35 54 17.12	0.005	13	0.26	18.338	15	35.7	17.18	21	35.7	A0		C8	10477	C -3613960

211900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 20H DM NUMBER
1	10.2	10.0W	20 9 20.924	-0.0033	21	-33 29 44.06	-0.006	21	0.44	20.984	22	31.7	43.95	21	31.7	G5 L	C7	11012	C -3314787
2	9.4	9.7W	9 31.580	0.0030	13	-36 29 26.32	-0.002	13	0.26	31.536	15	35.7	26.28	21	35.7	A0	C8	10478	C -3613963
3	9.3	9.0W	9 35.002	-0.0006	13	-39 41 54.40	-0.057	13	0.26	35.010	15	35.7	53.58	21	35.7	F8	C8	10479	C -3913672
4	10.4	9.4W	9 45.361	-0.0019	18	-37 1 58.14	-0.025	18	0.32	45.389	15	35.7	57.78	21	35.7	K0	C8	10464	C -3713594
5	10.4	9.1W	9 47.924	0.0001	21	-31 38 20.75	0.015	21	0.44	47.922	22	31.7	21.03	21	31.7	K5 L	C7	11013	C -3117395
6	9.3	8.5W	9 50.251	-0.0018	21	-32 53 43.22	-0.075	21	0.44	50.284	22	31.7	41.85	21	31.7	G5	C7	11014	C -3314793
7	10.0	9.7W	9 54.262	-0.0054	21	-30 42 15.00	-0.016	21	0.44	54.362	22	31.7	14.71	21	31.7	G5	C7	11015	C -3017738
8	10.3	10.0W	10 6.218	0.0002	21	-33 23 25.76	0.027	21	0.44	6.214	22	31.7	26.25	21	31.7	F2 L	C7	11016	C -3314795
9	10.0	9.1W	10 8.100	0.0014	10	-38 30 27.29	0.035	10	0.23	8.079	15	35.7	27.78	21	35.7	G5	C8	10486	C -3813917
10	9.9	9.1W	10 11.380	0.0002	13	-35 31 42.16	-0.012	13	0.26	11.378	15	35.7	41.98	21	35.7	G5	C8	10488	C -3513996
11	10.1	9.5W	10 12.144	0.0019	21	-30 24 13.12	-0.012	21	0.44	12.110	22	31.7	12.69	21	31.7	K0	C7	11017	C -3017743
12	10.2	10.1W	10 13.953	-0.0025	18	-38 3 54.44	-0.004	18	0.32	13.989	15	35.7	54.38	21	35.7	F5	C8	10490	C -3813919
13		6.9T	10 15.373	0.0008	16	-38 35 49.98	-0.168	13	0.76	15.334	18	01.7	41.33	21	98.6	F5	GC	28055	C*-3813920
14	9.2	9.0W	10 17.741	-0.0029	21	-33 26 23.42	-0.042	21	0.44	17.794	22	31.7	22.65	21	31.7	F8	C7	11018	C -3314797
15	9.5	9.6W	10 19.051	-0.0009	21	-34 41 59.57	0.038	21	0.44	19.035	22	31.7	+ 0.26	21	31.7	A5	C7	11019	C -3414219
16		6.7T	10 29.664	0.0021	12	-34 16 12.52	-0.022	11	0.60	29.557	15	00.1	11.36	17	97.0	G0	GC	28060K	C*-3414220
17	8.6	8.4W	10 35.043	-0.0017	13	-36 11 35.66	0.009	13	0.26	35.068	15	35.7	35.78	21	35.7	F5	C8	10492	C -3613981
18	10.0	10.0W	10 35.710	-0.0006	21	-30 34 14.96	0.019	21	0.44	35.722	22	31.7	15.32	21	31.7	F8 L	C7	11021	C -3017748
19	10.3	10.1W	10 36.298	-0.0008	21	-32 6 34.08	-0.068	21	0.44	36.312	22	31.7	32.83	21	31.7		C7	11022	C -3215604
20		10.5W	10 37.793	-0.0049	21	-32 12 52.05	-0.061	21	0.44	37.882	22	31.7	50.93	21	31.7		C7	11023	C -3215605
21	10.6	9.6W	10 45.601	-0.0007	21	-33 37 40.63	0.018	21	0.44	45.614	22	31.7	40.95	21	31.7	G5 L	C7	11024	C -3314801
22	10.2	9.0W	10 47.554	-0.0011	21	-34 50 36.89	0.059	21	0.44	47.575	22	31.7	37.96	21	31.7	K5	C7	11025	C -3514004
23	9.6	9.0W	10 48.413	0.0012	21	-31 3 16.60	-0.043	21	0.44	48.392	22	31.7	15.82	21	31.7	K0	C7	11026	C -3117406
24	10.1	8.9W	10 49.093	-0.0004	13	-36 46 1.23	-0.024	13	0.26	49.099	15	35.7	0.88	21	35.7	K0	C8	10493	C -3613984
25	9.2	9.0W	10 53.688	0.0014	18	-38 21 8.72	0.005	18	0.32	53.669	15	35.7	8.78	21	35.7	F2	C8	10494	C -3813927
26	9.4	8.5W	11 5.834	0.0011	21	-33 56 18.55	-0.021	21	0.44	5.815	22	31.7	18.16	21	31.7	K0	C7	11027	C -3414226
27	9.7	9.3W	11 6.972	0.0027	21	-31 37 53.42	-0.098	21	0.44	6.922	22	31.7	51.63	21	31.7	K0	C7	11028	C -3117409
28	9.5	9.3W	11 10.373	0.0024	18	-37 29 11.82	-0.030	18	0.32	10.339	15	35.7	11.38	21	35.7	F8	C8	10495	C -3713615
29	9.7	8.1W	11 14.184	-0.0002	13	-35 59 19.66	-0.005	13	0.26	14.188	15	35.7	19.58	21	35.7	MA	C8	10496	C -3613988
30	10.4	9.7W	11 21.383	-0.0016	21	-31 36 4.89	-0.009	21	0.44	21.422	22	31.7	4.73	21	31.7	K0 L	C7	11029	C -3117414
31	9.0	9.0W	11 21.400	0.0002	13	-36 23 50.66	-0.005	13	0.26	21.398	15	35.7	50.58	21	35.7	F0	C8	10497	C -3613991
32	10.0	9.8W	11 22.281	-0.0011	21	-31 24 30.13	-0.001	21	0.44	22.302	22	31.7	30.12	21	31.7	G0 L	C7	11030	C -3117413
33	7.9	7.7W	11 45.246	0.0004	06	-39 52 20.43	-0.045	06	0.20	45.240	15	35.7	19.78	21	35.7	F2	C8	10498	C -4013748
34	10.4	10.5W	11 52.054	-0.0004	21	-30 58 39.21	-0.011	21	0.44	52.062	22	31.7	39.02	21	31.7		C7	11031	C -3117425
35	10.2	10.4W	12 2.598	-0.0025	21	-33 34 26.88	-0.017	21	0.44	2.644	22	31.7	26.56	21	31.7	B9 L	C7	11032	C -3314812
36	10.7	9.8W	12 4.606	-0.0032	21	-32 34 10.93	0.012	21	0.44	4.664	22	31.7	11.15	21	31.7	K0 L	C7	11033	C -3215827
37	10.3	10.1W	12 24.862	0.0011	21	-32 2 47.70	0.018	21	0.44	24.882	22	31.7	48.03	21	31.7	G0 L	C7	11034	C*-3215830
38	11.0		12 36.147	-0.0001	18	-38 7 53.65	-0.046	18	0.32	36.149	15	35.7	52.98	21	35.7	F8 L	C8	10503	C -3813940
39	8.5	7.7W	12 36.819	0.0111	07	-39 38 28.98	-0.216	07	0.21	36.660	15	35.7	25.88	21	35.7	K0	C8	10504	C -3913701
40		6.4T	12 44.452	0.0036	05	-30 9 34.18	0.005	05	0.27	44.286	09	98.2	34.44	10	98.5	K2	GC	28127	C -3017773
41	10.4	8.9W	12 46.066	-0.0003	21	-30 50 29.52	-0.006	21	0.44	46.072	22	31.7	29.41	21	31.7	K5	C7	11036	C -3117434
42	9.5	9.1W	12 51.796	-0.0010	21	-33 24 36.53	-0.026	21	0.44	51.814	22	31.7	36.05	21	31.7	F5	C7	11037	C -3314819
43	8.6	8.8W	12 57.405	0.0002	21	-31 23 37.15	0.036	21	0.44	57.402	22	31.7	37.82	21	31.7	A0	C7	11038	C -3117436
44	9.0	9.0W	13 0.768	-0.0000	09	-37 45 17.46	0.044	09	0.22	0.769	15	35.7	18.08	21	35.7	F0	C8	10506	C -3713631
45	10.3	10.1W	13 5.011	0.0010	21	-31 32 11.28	0.008	21	0.44	4.992	22	31.7	11.43	21	31.7		C7	11039	C -3117439
46	10.3	9.4W	13 6.494	-0.0016	08	-35 25 36.57	-0.013	08	0.22	6.517	15	35.7	36.38	21	35.7	K2	C8	10508	C -3514019
47	9.4	9.1W	13 8.487	-0.0009	13	-39 41 13.76	0.016	13	0.26	8.500	15	35.7	13.98	21	35.7	F2	C8	10509	C -3913706
48		6.5T	13 8.664	0.0007	12	-36 36 29.71	-0.040	11	0.63	8.627	18	97.8	27.58	17	97.0	MB	GC	28139K	C -3614011
49	10.6	10.0W	13 12.907	0.0072	21	-33 33 27.48	-0.050	21	0.44	12.774	22	31.7	26.55	21	31.7	K2 L	C7	11041	C -3314821
50		6.6T	13 13.346	0.0008	13	-35 21 11.95	0.083	12	0.65	13.308	17	00.8	16.12	19	99.6	F2	GC	28143	C -3514020
51	9.8	9.3W	20 13 17.022	0.0010	13	-35 50 19.57	-0.013	13	0.26	17.008	15	35.7	19.38	21	35.7	G0	C8	10512	C -3614013
52	10.8	10.7W	13 17.987	-0.0013	21	-30 36 14.20	0.017	21	0.44	18.012	22	31.7	14.52	21	31.7		C7	11042	C -3017782
53	9.9	8.9W	13 18.228	0.0012	13	-39 47 21.36	-0.026	13	0.26	18.210	15	35.7	20.98	21	35.7	K0	C8	10513	C -4013772
54	11.0	9.7W	13 23.883	0.0004	13	-35 57 36.77	0.001	13	0.26	23.878	15	35.7	36.78	21	35.7	G8 L	C8	10514	C -3614014
55	8.9	8.3W	13 25.719	-0.0033	08	-35 11 47.89	0.049	08	0.22	25.767	15	35.7	48.58	21	35.7	G5	C8	10515	C -3514022
56	9.1	8.8W	13 29.561	-0.0012	13	-37 42 41.76	-0.005	13	0.26	29.579	15	35.7	41.68	21	35.7	F5	C8	10516	C -3713637
57	9.9	10.2W	13 31.735	-0.0017	18	-38 31 49.79	-0.014	18	0.32	31.759	15	35.7	49.58	21	35.7	A2	C8	10517	C -3813947
58	9.6	8.6W	13 39.636	0.0011	13	-39 33 39.86	0.037	13	0.26	39.620	15	35.7	40.38	21	35.7	K0	C8	10518	C -3913711
59		7.5T	13 45.255	0.0025	17	-32 45 46.03	0.069	12	0.72	45.138	17	03.7	49.41	15	01.2	G5	GC	28154K	C*-3215843
60	8.7	7.3W	13 50.084	-0.0004	13	-39 9 21.45	-0.025	13	0.26	50.089	15	35.7	21.08	21	35.7	K0	C8	10519	C -3913715
61		7.9T	13 52.619	-0.0025	13	-31 21 43.68	-0.046	12	0.67	52.744	18	00.1	41.28	17	98.3	K0	GC	28158	C -3117449
62	10.3	10.2W	13 54.931	0.0016	21	-30 40 25.94	0.053	21	0.44	54.902	22	31.7	26.92	21	31.7	G0 L	C7	11045	C -3017791
63	10.0	8.9W	13 57.366	0.0006	13	-35 32 52.28	-0.055	13	0.26	57.358	15	35.7	51.48	21	35.7	K0	C8	10520	C -3514030
64	10.7	10.0W	14 0.640	-0.0012	21	-32 13 57.95	-0.001	21	0.44	0.662	22	31.7	57.93	21	31.7	G5 L	C7	11046	C -3215849
65	10.1	10.2W	14 2.473	-0.0027	21	-31 46 47.74	-0.028	21	0.44	2.522	22	31.7	47.23	21	31.7	B8 L	C7	11047	C -3215851
66	8.5	8.6W	14 3.868	-0.0028	07	-36 47 3.62	-0.030	07	0.21	3.909	15	35.7	3.18	21	35.7	A0	C8	10522	C -3713646
67	9.6	9.4W	14 6.996	-0.0010	21	-32 59 56.38	-0.029	21	0.44	7.014	22	31.7	55.85	21	31.7	G5	C7	11048	C -3314826
68	10.3	10.3W	14 11.376	0.0064	21	-30 15 56.62	-0.012	21	0.44	11.260	22	31.7	56.39	21	31.7	G0 L	C7	11049	C -3017794
69	10.5	10.7W	14 15.440	-0.0019	21	-32 37 33.17	0.021	21	0.44	15.474	22	31.7	33.55	21	31.7	B9 L	C7	11050	C -3215852
70	10.3	10.1W	14 16.746	-0.0043	21	-32 53 4.25	-0.049	21	0.44	16.824	22	31.7	3.35	21	31.7	G0 L	C7	11051	C -3314829
71	8.8	7.9W	14 25.847	-0.0032	21	-33 50 22.63	0.029	21	0.44	25.904	22	31.7	23.15	21	31.7	G5	C7	11052	C -3414251
72	10.3	9.6W	14 26.660	-0.0021	13	-39 34 2.62	0.033	13	0.26	26.690	15	35.7	3.08	21	35.7	G5	C8	10523	C -3913723
73	10.5	9.5W	14 29.809	-0.0008	21	-34 6 32.01	-0.019	21	0.44	29.904	22	31.7	31.66	21	31.7		C7	11053	C -3414252
74	9.2	8.9W	14 34.778	0.0024	21	-34 7 49.30	-0.046	21	0.44	34.734	22	31.7	48.46	21	31.7	F8	C7	11054	C -3415254
75	10.0	8.3W	14 45.367	0.0020	18	-37 56 51.06	0.009	18	0.32	45.339	15	35.7	51.18	21	35.7	K5	C8	10524	C -3813961
76	9.7	8.7W	14 45.864	0.0038	21	-32 32 0.14	-0.016	21	0.44	45.794	22	31.7	-59.85	21	31.7	K0	C7	11055	C -3215857
77	10.5	10.3W	14 53.037	-0.0041	21	-31 56 25.26	-0.100	21	0.44	53.112	22	31.7	23.43	21	31.7	G2 L	C7	11056	C -3215859
78	7.6	7.7W	14 55.969	0.0028	13	-39 6 32.87	-0.027	13	0.26	55.929	15	35.7	32.48	21	35.7	A0	C8	10526	C -3913729
79	10.0	9.3W	15 2.578	-0.0031	21	-33 7 16.14	0.006	21	0.44	2.634	22	31.7	16.25	21	31.7	K0 L	C7	11057	C -3314835
80	8.9	9.0W	15 7.074	0.0007	21	-30 40 28.95	0.036	21	0.44	7.062	22	31.7	29.61	21	31.7	A2	C7	11058	C -3017803
81	10.1	8.6W	15 8.065	0.0004	08	-39 5 11.75	-0.025	08	0.22	8.059	15	35.7	11.38	21	35.7	K2 L	C8	10527	C -3913732
82	10.5	9.5W	15 11.258	0.0019	21	-33 42 43.73	-0.020	21	0.44	11.225	22	31.7	43.35	21	31.7	K0 L	C7	11059	C -3314839
83	9.6	9.2W	15 14.108	0.0024	21	-34 23 13.87	-0.044	21	0.44	14.064	22	31.7	13.05	21	31.7	G0	C7	11060	C -3414260
84	10.2	9.3W	15 15.967	0.0013	13	-38 12 58.20	0.020	13	0.26	15.949	15	35.7	58.48	21	35.7	K0	C8	10529	C -3813963
85	10.2	10.0W	15 17.871	-0.0006	21	-32 14 48.56	-0.007	21	0.44	17.882	22	31.7	48.43	21	31.7	G2 L	C7	11061	C -3215863
86	10.3	8.7W	15 19.615	-0.0002	13	-38 14 53.96	-0.019	13	0.26	19.618	15	35.7	53.68	21	35.7	MA	C8	10530	C -3813964
87	10.7		15 23.563	-0.0025	18	-37 24 34.40	-0.001	18	0.32	23.599	15	35.7	34.38	21	35.7	B9 L	C8	10531	C -3713660
88	10.4	10.7W	15 24.957	-0.0063	21	-31 30 39.63	-0.000	21	0.44	25.072	22	31.7	39.63	21	31.7	B5 L	C7	11062	C -3117470
89	10.0	9.2W	15 33.509	0.0023	13	-35 2 20.46	-0.054	13	0.26	33.477	15	35.7	19.68	21	35.7	G5	C8	10532	C -3514046
90	10.1	9.8W	15 36.521	-0.0012	18	-36 44 52.06	0.037	18	0.32	36.539	15	35.7	52.58	21	35.7	F2 L	C8	10533	C -3614034
91	10.3	9.4W	15 39.137	0.0018	21	-33 36 4.68	0.015	21	0.44	39.104	22	31.7	4.95	21	31.7	K0 L	C7	11063	C -3314844
92	10.6	9.7W	15 48.262	0.0016	21	-32 9 57.39	-0.047	21	0.44	48.282	22	31.7	56.53	21	31.7	K0 L	C7	11064	C -3215874
93		10.6W	15 50.584	-0.0064	21	-30 49 40.46	0.019	21	0.44	50.702	22	31.7	40.82	21	31.7		C7	11065	C -3117476
94	10.8	9.6W	15 52.959	-0.0019	13	-35 11 45.90	-0.022	13	0.26	52.987	15	35.7	45.58	21	35.7	K2 L	C8	10535	C -3514053
95		7.4T	16 1.832	0.0033	11	-32 53 22.03	-0.013	13	0.65	1.657	15	97.4	21.37	17	98.1	K0	GC	28219	C -3314848
96	10.4	9.4W	16 8.612	0.0016	09	-39 25 11.05	-0.025	09	0.22	8.589	15	35.7	10.68	21	35.7	K0	C8	10537	C -3913742
97	10.8	10.7W	16 8.640	-0.0039	21	-31 15 25.98	0.007	21	0.44	8.712	22	31.7	26.12	21	31.7	G0 L	C7	11067	C -3117479
98	10.5	9.1W	16 12.234	-0.0010	18	-36 22 1.39	-0.021	18	0.32	12.248	15	35.7	1.08	21	35.7	MA	C8	10538	C -3613970
99	10.7	9.3W	16 13.068	0.0002	21	-33 18 39.49	-0.013	21	0.44	13.064	22	31.7	39.25	21	31.7	K2 L	C7	11068	C -3314849
00	9.4	8.6W	16 13.127	0.0014	21	-30 22 0.06	-0.009	21	0.44	13.100	22	31.7	-59.89	21	31.7	K2	C7	11069	C -3017820

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 20H DM NUMBER
1	9.0	8.2W	20 16 18.524	0.0028	21	-32 26 37.21	-0.037	21	0.44	18.472	22	31.7	36.53	21	31.7	K2	C7	11070	C -3215878
2	9.8	9.1W	16 25.035	0.0001	21	-33 58 28.59	-0.067	21	0.44	25.034	22	31.7	27.35	21	31.7	G5	C7	11071	C -3414277
3		7.2T	16 29.754	0.0014	12	-31 53 12.03	0.029	11	0.61	29.682	18	99.4	13.55	17	98.0	F2	GC	28231	C*-3215882
4	8.7	7.5W	16 32.548	0.0012	13	-39 50 8.84	-0.004	13	0.26	32.530	15	35.7	8.78	21	35.7	K0	C8	10541	C -4013802
5	10.8	10.7W	16 34.421	-0.0071	21	-30 54 45.13	0.026	21	0.44	34.552	22	31.7	45.62	21	31.7	G0 L	C7	11073	C -3117484
6	8.6	8.8W	16 36.562	0.0026	21	-33 1 45.29	-0.024	21	0.44	36.514	22	31.7	44.85	21	31.7	A0	C7	11074	C -3314855
7	10.6	9.2W	16 38.986	0.0048	13	-35 57 56.77	0.001	13	0.26	38.918	15	35.7	56.78	21	35.7	K2	C8	10542	C -3614044
8	9.9	9.7W	16 39.457	0.0139	21	-31 37 44.50	-0.097	21	0.44	39.202	22	31.7	42.73	21	31.7	F8 L	C7	11075	C -3117488
9	8.8	8.1W	16 40.724	-0.0010	13	-36 39 46.59	-0.056	13	0.26	40.739	15	35.7	45.78	21	35.7	G5	C8	10543	C -3614045
10	11.0	10.7W	16 46.870	-0.0061	21	-30 34 14.89	0.034	21	0.44	46.982	22	31.7	15.52	21	31.7	G2 L	C7	11076	C -3017827
11	10.3	9.1W	16 47.202	-0.0016	21	-31 25 22.41	-0.049	21	0.44	47.232	22	31.7	21.51	21	31.7	K5	C7	11077	C -3117492
12		7.1T	16 49.193	0.0004	14	-32 46 27.73	0.012	12	0.65	49.173	15	02.0	28.34	17	00.7	F0	GC	28248	C -3314857
13	8.3	8.4W	16 53.453	-0.0005	13	-39 32 28.97	-0.027	13	0.26	53.460	15	35.7	28.58	21	35.7	A3	C8	10545	C -3913748
14	11.2	10.3W	16 55.073	-0.0009	21	-30 25 55.95	0.030	21	0.44	55.090	22	31.7	56.49	21	31.7		C7	11079	C -3017828
15		6.6T	17 2.477	0.0032	11	-34 44 33.78	-0.040	11	0.58	2.318	15	00.4	31.79	15	00.2	G0	GC	28253K	C*-3414287
16		8.4T	17 10.844	0.0023	16	-33 7 3.06	0.013	13	0.74	10.732	21	01.8	3.73	19	99.8	K0	GC	28259	C -3314859
17	11.0	10.3W	17 21.889	-0.0074	21	-33 28 19.21	0.057	21	0.44	22.024	22	31.7	20.25	21	31.7	G2 L	C7	11082	C -3314861
18	9.5	8.6W	17 22.532	0.0011	21	-31 9 28.99	-0.010	21	0.44	22.512	22	31.7	28.81	21	31.7	K2	C7	11083	C -3117501
19	11.0	10.8W	17 30.458	-0.0006	21	-30 26 28.60	-0.000	21	0.44	30.470	22	31.7	28.59	21	31.7	G0 L	C7	11084	C -3017835
20	9.6	8.1W	17 31.416	0.0005	13	-37 0 41.97	0.001	13	0.26	31.409	15	35.7	41.98	21	35.7	M8	C8	10548	C -3713682
21	10.1	9.0W	17 33.025	-0.0002	09	-37 51 22.29	-0.000	09	0.22	33.028	15	35.7	22.28	21	35.7	K0	C8	10549	C -3813988
22	9.5	9.4W	17 36.051	-0.0018	21	-34 56 7.53	-0.020	21	0.44	36.065	22	31.7	7.16	21	31.7	F5	C7	11085	C -3514068
23	10.1	8.5W	17 37.026	-0.0001	13	-36 10 24.76	-0.054	13	0.26	37.028	15	35.7	23.98	21	35.7	K5	C8	10550	C -3614056
24	8.9	8.7W	17 37.626	-0.0030	18	-37 52 22.20	-0.036	18	0.32	37.669	15	35.7	21.68	21	35.7	F2	C8	10551	C -3813989
25		6.5H	17 38.439	0.0029	05	-35 49 58.46	0.023	04	0.15	38.349	08	19.4	59.12	07	21.7	K2	F4	1530	C -3614057
26	9.4	8.7W	17 43.113	-0.0011	18	-37 33 49.75	0.024	18	0.32	43.129	15	35.7	50.08	21	35.7	G0	C8	10554	C -3713685
27	10.4	10.3W	17 49.226	0.0019	21	-31 19 22.40	-0.032	21	0.44	49.192	22	31.7	21.82	21	31.7	G0 L	C7	11086	C -3117508
28	10.5	10.1W	17 51.469	-0.0012	21	-31 28 40.79	-0.021	21	0.44	51.492	22	31.7	40.42	21	31.7	K0 L	C7	11087	C -3117509
29	8.9	7.9W	17 56.633	-0.0003	13	-36 4 36.27	-0.048	13	0.26	56.638	15	35.7	35.58	21	35.7	K2	C8	10555	C -3614060
30		7.6T	18 3.015	0.0006	13	-32 53 53.14	-0.054	12	0.66	2.984	18	99.7	50.34	17	97.9	F2	GC	28289	C -3314870
31	10.1	10.3W	18 3.511	-0.0000	21	-31 1 50.40	0.044	21	0.44	3.512	22	31.7	51.22	21	31.7	G0 L	C7	11089	C -3117512
32	10.3	10.3W	18 4.247	-0.0035	21	-31 12 13.46	-0.003	21	0.44	4.312	22	31.7	13.41	21	31.7	F5 L	C7	11090	C -3117511
33	9.8	9.6W	18 6.398	-0.0020	21	-33 13 18.67	0.032	21	0.44	6.434	22	31.7	19.25	21	31.7	G5 L	C7	11091	C -3314871
34	10.7	9.8W	18 22.061	-0.0018	21	-33 29 55.89	-0.024	21	0.44	22.094	22	31.7	55.45	21	31.7	K0 L	C7	11093	C -3314875
35	10.1	10.0W	18 22.062	0.0026	21	-32 33 48.70	-0.057	21	0.44	22.014	22	31.7	47.65	21	31.7	G2 L	C7	11092	C -3215904
36	8.4	8.2W	18 25.975	-0.0005	21	-34 38 15.47	-0.000	21	0.44	25.985	22	31.7	15.46	21	31.7	F2	C7	11094	C -3414309
37	10.7	9.7W	18 26.476	0.0017	21	-33 19 25.67	-0.001	21	0.44	26.444	22	31.7	25.65	21	31.7	K L	C7	11095	C -3314877
38	7.8	7.5W	18 28.237	0.0048	05	-36 46 9.20	-0.050	05	0.20	28.169	15	35.7	8.48	21	35.7	F8	C8	10558	C -3713693
39	10.1	8.4W	18 28.294	0.0011	13	-36 37 51.87	-0.034	13	0.26	28.279	15	35.7	51.38	21	35.7	MA	C8	10559	C -3614067
40	8.5	8.3W	18 32.023	0.0017	08	-37 3 36.30	-0.001	08	0.22	31.999	15	35.7	36.28	21	35.7	F8	C8	10560	C -3713694
41	8.5	8.3W	18 32.564	-0.0010	08	-37 3 39.96	-0.005	08	0.22	32.579	15	35.7	39.88	21	35.7	G5 L	C8	10561	C -3713694
42	10.4	9.4W	18 42.396	0.0019	18	-37 2 46.42	0.005	18	0.32	42.369	15	35.7	46.48	21	35.7	K5	C8	10563	C -3713695
43	10.0	9.9W	18 43.647	0.0018	21	-33 11 29.54	0.039	21	0.44	43.614	22	31.7	30.25	21	31.7	F5 L	C7	11096	C -3314880
44	10.3	9.6W	18 45.156	0.0012	09	-38 14 22.33	0.004	09	0.22	45.139	15	35.7	22.38	21	35.7	G0	C8	10564	C -3814000
45	10.3	9.9W	18 45.254	-0.0037	21	-31 28 29.26	0.019	21	0.44	45.322	22	31.7	29.62	21	31.7	K0 L	C7	11097	C -3117525
46	8.7	8.9W	18 48.852	0.0033	21	-30 32 23.36	0.030	21	0.44	48.792	22	31.7	23.91	21	31.7	F0	C7	11098	C -3017852
47	10.2	10.0W	18 49.618	0.0040	21	-32 33 44.92	-0.113	21	0.44	49.544	22	31.7	42.85	21	31.7	G5 L	C7	11099	C -3215912
48	10.6	9.5W	18 54.354	-0.0031	21	-30 55 11.00	0.055	21	0.44	54.412	22	31.7	12.02	21	31.7	K0 L	C7	11100	C -3117527
49	9.7	9.3W	18 56.360	-0.0005	13	-35 51 8.82	0.005	13	0.26	56.368	15	35.7	8.88	21	35.7	F8	C8	10565	C -3614071
50	9.2	8.5W	18 59.800	0.0051	13	-35 50 1.92	-0.156	13	0.26	59.728	15	35.7	-59.68	21	35.7	G0	C8	10566	C -3614073
51	9.6	9.4W	20 19 1.470	0.0043	13	-36 41 0.04	0.003	13	0.26	1.409	15	35.7	0.08	21	35.7	F5	C8	10567	C -3614074
52	9.7	8.8W	19 2.833	0.0003	18	-37 57 35.86	0.009	18	0.32	2.829	15	35.7	35.98	21	35.7	K0	C8	10568	C -3814004
53	9.7	9.4W	19 3.641	-0.0022	21	-31 17 50.39	-0.026	21	0.44	3.682	22	31.7	49.92	21	31.7	G5	C7	11101	C -3117529
54	9.3	9.3W	19 10.454	-0.0006	21	-32 52 7.59	-0.002	21	0.44	10.464	22	31.7	7.55	21	31.7	F5	C7	11102	C -3314885
55	10.1	8.9W	19 12.847	0.0014	13	-36 2 30.40	-0.022	13	0.26	12.828	15	35.7	30.08	21	35.7	K0	C8	10569	C -3614076
56	8.6	8.3W	19 15.476	-0.0085	08	-36 14 50.99	-0.070	08	0.22	15.598	15	35.7	49.98	21	35.7	G0	C8	10570	C -3614078
57	10.7	10.5W	19 16.559	-0.0056	21	-30 44 24.26	-0.008	21	0.44	16.662	22	31.7	24.12	21	31.7	G0 L	C7	11103	C -3017858
58	10.3	9.3W	19 31.106	-0.0022	13	-36 29 18.99	0.014	13	0.26	31.138	15	35.7	19.18	21	35.7	K2	C8	10572	C -3614081
59	10.6	9.8W	19 33.764	0.0018	18	-38 28 34.96	-0.019	18	0.32	33.739	15	35.7	34.68	21	35.7	K0 L	C8	10573	C -3814005
60	10.4	9.5W	19 33.915	-0.0005	21	-34 55 42.51	0.014	21	0.44	33.925	22	31.7	42.76	21	31.7	K0 L	C7	11104	C -3514078
61	9.6	9.5W	19 45.142	0.0000	21	-32 11 53.24	-0.006	21	0.44	45.142	22	31.7	53.13	21	31.7	F5	C7	11105	C -3215924
62		7.0T	19 47.568	0.0029	12	-35 32 17.78	-0.014	11	0.59	47.422	14	00.5	17.07	14	00.5	F2	GC	28321	C -3514080
63	8.6	8.8W	19 55.198	-0.0009	21	-33 25 0.68	0.026	21	0.44	55.214	22	31.7	1.15	21	31.7	A3	C7	11106	C -3314889
64	9.1	7.6W	19 55.920	0.0036	21	-33 12 33.67	0.026	21	0.44	55.854	22	31.7	34.15	21	31.7	K5	C7	11107	C -3314890
65	9.1	8.0W	20 3.436	-0.0016	18	-36 51 8.27	-0.013	18	0.32	3.459	15	35.7	8.08	21	35.7	K2	C8	10575	C -3713706
66	9.3	9.1W	20 5.278	0.0019	21	-33 51 8.30	0.036	21	0.44	5.244	22	31.7	8.95	21	31.7	F0	C7	11108	C -3414329
67	10.7	10.3W	20 6.312	-0.0043	21	-31 15 56.14	0.031	21	0.44	6.392	22	31.7	56.72	21	31.7	K0 L	C7	11109	C -3117536
68	10.3	10.2W	20 9.593	-0.0012	21	-32 41 48.53	-0.070	21	0.44	9.614	22	31.7	47.25	21	31.7	G0 L	C7	11110	C -3215929
69	9.9	10.2W	20 15.891	-0.0002	21	-32 37 33.94	-0.043	21	0.44	15.894	22	31.7	33.15	21	31.7	F2 L	C7	11111	C -3215934
70	10.1	8.6W	20 19.245	0.0011	13	-39 25 25.33	0.011	13	0.26	19.229	15	35.7	25.48	21	35.7	K5	C8	10576	C -3913774
71	11.1	10.5W	20 20.911	-0.0033	21	-30 55 20.19	0.001	21	0.44	20.972	22	31.7	20.22	21	31.7		C7	11112	C -3117538
72	9.5	9.6W	20 21.816	0.0001	21	-32 52 6.53	-0.037	21	0.44	21.814	22	31.7	5.85	21	31.7	F0	C7	11113	C -3314897
73	9.9	8.6W	20 24.104	-0.0003	13	-37 39 1.49	-0.028	13	0.26	24.109	15	35.7	1.08	21	35.7	K0	C8	10577	C -3713709
74		7.4T	20 32.555	-0.0002	12	-35 17 29.55	-0.012	13	0.68	32.567	17	00.0	28.91	19	98.1	K0	GC	28344	C -3514086
75	9.0	8.1W	20 34.871	0.0030	18	-37 39 42.16	0.023	18	0.32	34.829	15	35.7	42.48	21	35.7	G5	C8	10579	C -3713712
76	9.9	9.1W	20 36.554	-0.0023	13	-35 7 53.30	0.006	13	0.26	36.587	15	35.7	53.38	21	35.7	K0	C8	10580	C -3514089
77	9.2	8.2W	20 37.040	0.0015	13	-36 30 9.26	-0.019	13	0.26	37.019	15	35.7	8.98	21	35.7	K0	C8	10581	C -3614097
78	10.0	8.9W	20 44.257	0.0018	21	-34 19 2.21	0.003	21	0.44	44.225	22	31.7	2.26	21	31.7	K2	C7	11114	C -3414334
79	9.3	9.3W	20 49.568	0.0013	21	-32 40 6.11	-0.058	21	0.44	49.544	22	31.7	5.05	21	31.7	F5	C7	11115	C -3215938
80	9.4	8.6W	20 57.780	0.0053	21	-34 38 9.57	-0.060	21	0.44	57.675	22	31.7	8.46	21	31.7	K0	C7	11116	C -3414336
81	9.9	9.7W	20 59.314	-0.0009	13	-36 1 0.29	-0.014	13	0.26	59.328	15	35.7	0.08	21	35.7	F2 L	C8	10583	C -3614103
82		7.9T	21 4.907	0.0038	18	-30 39 5.65	-0.009	18	0.88	4.730	22	03.5	5.21	22	03.6	F0	GC	28362	C*-3017876
83	10.6	10.2W	21 5.165	-0.0002	18	-38 12 2.46	-0.061	18	0.32	5.169	15	35.7	1.58	21	35.7	G5 L	C8	10585	C -3814016
84	10.6	10.0W	21 7.729	-0.0024	21	-32 29 35.26	0.020	21	0.44	7.772	22	31.7	35.63	21	31.7	K0 L	C7	11118	C -3215940
85	9.1	9.4W	21 11.239	0.0015	21	-30 0 9.81	0.054	21	0.44	11.210	22	31.7	10.79	21	31.7	A0	C7	11119	C -3017878
86	9.7	9.5W	21 11.557	0.0018	21	-32 51 47.36	0.027	21	0.44	11.524	22	31.7	47.85	21	31.7	G5	C7	11120	C -3314906
87	9.9	9.9W	21 18.868	-0.0028	13	-36 35 33.84	-0.004	13	0.26	18.909	15	35.7	33.78	21	35.7	A5	C8	10586	C -3614107
88	9.2	8.6W	21 19.171	-0.0051	21	-34 52 35.82	-0.145	21	0.44	19.265	22	31.7	33.16	21	31.7	G5	C7	11121	C -3514094
89	8.8	8.7W	21 19.928	0.0019	21	-33 46 32.41	-0.063	21	0.44	19.894	22	31.7	31.26	21	31.7	F5	C7	11122	C -3414340
90	9.8	9.3W	21 23.310	-0.0007	13	-39 39 31.90	-0.008	13	0.26	23.321	15	35.7	31.78	21	35.7	G0	C8	10587	C -3913778
91	10.9	10.0W	21 25.689	0.0015	13	-35 49 42.76	-0.026	13	0.26	25.668	15	35.7	42.38	21	35.7	K0 L	C8	10588	C -3614108
92	9.5	9.1W	21 26.221	0.0058	21	-33 11 28.98	-0.034	21	0.44	26.114	22	31.7	28.35	21	31.7	G0	C7	11123	C -3314910
93	8.9	7.9W	21 34.421	-0.0019	18	-37 9 32.13	-0.031	18	0.32	34.449	15	35.7	31.68	21	35.7	K0	C8	10589	C -3713719
94	11.1	9.9W	21 34.889	-0.0062	13	-35 47 17.89	-0.007	13	0.26	34.978	15	35.7	17.78	21	35.7	K2 L	C8	10590	C -3614110
95	10.5	9.8W	21 36.723	-0.0001	21	-33 4 26.60	0.003	21	0.44	36.724	22	31.7	26.65	21	31.7	G2 L	C7	11124	C -3314911
96	9.1	9.6W	21 37.170	0.0005	21	-30 40 42.89	0.012	21	0.44	37.161	22	31.7	43.12	21	31.7	A0	C7	11125	C -3017886
97	10.5	9.4W	21 37.279	0.0011	21	-30 25 3.95	0.025	21	0.44	37.260	22	31.7	4.39	21	31.7	K5	C7	11126	C -3017885
98	10.4	9.6W	21 41.073	-0.0038	21	-32 1 1.89	-0.031	21	0.44	41.142	22	31.7	1.33	21	31.7	G5 L	C7	11127	C -3215944
99	10.5	10.5W	21 51.614	-0.0053	21	-31 18 24.35	0.009	21	0.44	51.712	22	31.7	24.52	21	31.7	G5 L	C7	11128	C -3117557
00	11.2	10.0W	22 2.652	-0.0049	21	-30 37 44.69	0.039	21	0.44	2.741	22	31.7	45.41	21	31.7		C7	11129	C -3017889

212100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 20H DM NUMBER
1	9.9	9.1W	20 22 7.876	0.0012	21	-33 31 40.77	-0.006	21	0.44	7.854	22	31.7	40.66	21	31.7	KO	C7	11130	C -3314914
2	10.7E	9.6*	22 10.587	0.0004	12	-39 58 15.82	-0.028	12	0.68	10.568	28	98.1	14.38	26	98.1	A5	CZ	10786	P -40 9294
3	9.9	9.9W	22 11.836	-0.0014	21	-30 55 23.42	-0.044	21	0.44	11.862	22	31.7	22.62	21	31.7	GO	C7	11131	C -3117562
4	10.2	8.6W	22 13.665	0.0004	13	-39 29 34.85	-0.025	13	0.26	13.659	15	35.7	34.48	21	35.7	K5	C8	10592	C -3913786
5	10.8	9.5W	22 14.748	-0.0034	13	-35 27 22.29	-0.014	13	0.26	14.797	15	35.7	22.58	21	35.7	KO L	C8	10593	C -3514103
6		7.5T	22 15.738	0.0013	15	-30 8 53.09	-0.000	13	0.76	15.672	18	98.7	53.09	18	97.5	MB	GC	28390	C*-3017891
7	9.8	9.2W	22 18.438	0.0046	21	-34 28 22.60	-0.035	21	0.44	18.342	22	31.7	21.96	21	31.7	GO	C7	11133	C -3414354
8	10.2	10.0W	22 22.177	-0.0007	13	-35 47 21.05	-0.032	13	0.26	22.188	15	35.7	20.58	21	35.7	F8 L	C8	10594	C -3614126
9	10.7	9.2W	22 23.559	0.0003	21	-34 20 57.25	-0.016	21	0.44	23.554	22	31.7	56.96	21	31.7	KO	C7	11134	C -3414356
10	9.6	8.2W	22 30.308	-0.0036	21	-32 42 6.86	-0.066	21	0.44	30.374	22	31.7	5.65	21	31.7	K2	C7	11135	C -3215952
11	10.7	10.1W	22 30.444	0.0094	18	-38 40 29.49	-0.000	18	0.32	30.309	15	35.7	29.48	21	35.7	KO L	C8	10595	C -3814027
12	10.2	9.4W	22 32.422	-0.0027	21	-31 24 7.85	0.003	21	0.44	32.472	22	31.7	7.91	21	31.7	K2	C7	11136	C -3117567
13	11.0	10.2W	22 41.260	0.0001	13	-36 32 11.69	-0.028	13	0.26	41.259	15	35.7	11.28	21	35.7	KO L	C8	10597	C -3614125
14	9.4	9.3W	22 45.391	0.0032	21	-32 29 34.97	-0.024	21	0.44	45.332	22	31.8	34.53	21	31.8	GO	C7	11137	C -3215955
15		7.8T	22 46.573	-0.0003	14	-33 47 58.06	0.004	12	0.70	46.585	21	00.8	58.27	19	97.9	AO	GC	28400	C -3414362
16	10.0	10.0W	22 56.612	0.0018	18	-35 22 37.60	-0.022	18	0.32	56.587	15	35.7	37.28	21	35.7	A3	C8	10598	C -3514110
17	10.0	8.6W	23 11.336	0.0019	18	-37 16 25.14	-0.025	18	0.32	11.309	15	35.7	24.78	21	35.7	MB	C8	10599	C -3713738
18	9.6	9.5W	23 15.780	-0.0019	21	-34 42 18.87	-0.060	21	0.44	15.815	22	31.8	17.77	21	31.8	GO	C7	11139	C -3414370
19	9.5	8.8W	23 16.921	0.0020	21	-33 28 15.32	-0.009	21	0.44	16.884	22	31.8	15.15	21	31.8	G5	C7	11140	C -3314923
20		7.3T	23 17.808	0.0044	15	-32 29 35.13	0.019	12	0.73	17.587	18	99.9	36.13	18	98.0	KO	GC	28412	C -3215959
21	11.1	9.6W	23 19.659	-0.0041	21	-33 47 2.55	0.017	21	0.44	19.734	22	31.8	2.85	21	31.8	K L	C7	11142	C -3414374
22	10.4	10.3W	23 21.934	-0.0037	21	-31 7 38.96	0.019	21	0.44	22.002	22	31.8	39.31	21	31.8	A2	C7	11143	C -3117579
23	10.1	9.8W	23 29.773	0.0012	21	-30 13 13.54	0.036	21	0.44	29.750	22	31.8	14.19	21	31.8	GO	C7	11144	C -3017907
24	10.9	10.1W	23 33.798	0.0002	21	-33 2 50.14	-0.016	21	0.44	33.794	22	31.8	49.85	21	31.8	GO L	C7	11146	C -3314928
25		7.5T	23 33.795	0.0021	14	-30 50 24.84	-0.016	11	0.66	33.694	18	01.3	24.01	17	99.0	F8	GC	28424	C -3117584
26		6.3T	23 38.893	-0.0204	07	-37 33 59.14	-0.112	06	0.37	39.975	12	97.0	53.00	12	95.3	KO	GC	28425K	C*-3713741
27	10.2	9.8W	23 40.574	-0.0032	21	-31 30 50.71	-0.021	21	0.44	40.632	22	31.8	50.33	21	31.8	G2 L	C7	11147	C -3117586
28	10.3	9.2W	23 44.314	-0.0016	13	-35 34 18.71	-0.064	13	0.26	44.338	15	35.7	17.78	21	35.7	KO	C8	10602	C -3514118
29	9.3	8.0W	23 52.447	0.0035	06	-35 54 53.40	-0.057	06	0.20	52.398	15	35.7	52.58	21	35.7	K2	C8	10604	C -3614147
30	10.0	9.7W	23 52.496	-0.0025	21	-30 41 5.73	-0.007	21	0.44	52.542	22	31.8	5.61	21	31.8	F8	C7	11148	C -3017911
31	10.0	9.1W	24 7.129	-0.0001	21	-30 23 34.72	-0.045	21	0.44	7.135	22	31.8	33.89	21	31.8	KO	C7	11149	C -3017913
32	8.1	8.0W	24 15.233	0.0037	06	-39 41 51.03	-0.024	06	0.20	15.180	15	35.7	50.68	21	35.7	A5	C8	10607	C -3913803
33	9.6	9.5W	24 16.994	-0.0015	21	-30 59 45.95	0.014	21	0.44	17.022	22	31.8	46.22	21	31.8	GO	C7	11150	C -3117591
34	9.6	9.3W	24 18.193	0.0004	21	-33 42 8.38	-0.045	21	0.44	18.185	22	31.8	7.55	21	31.8	GO	C7	11151	C -3314934
35	9.4	8.6W	24 25.738	0.0014	21	-32 29 12.98	0.014	21	0.44	25.712	22	31.8	13.23	21	31.8	KO	C7	11152	C -3215971
36	11.1	9.9W	24 31.969	0.0019	21	-33 5 27.55	-0.033	21	0.44	31.934	22	31.8	26.95	21	31.8	K L	C7	11153	C -3314937
37	10.3	9.9W	24 32.274	-0.0010	18	-37 54 48.19	-0.056	18	0.32	32.289	15	35.7	47.38	21	35.7	GO	C8	10608	C -3814042
38	10.4	9.8W	24 35.316	0.0028	21	-34 11 29.39	-0.018	21	0.44	35.264	22	31.8	29.06	21	31.8	G5 L	C7	11154	C -3414394
39	11.0	9.9W	24 38.354	-0.0004	21	-30 23 13.37	-0.020	21	0.44	38.360	22	31.8	12.99	21	31.8	K L	C7	11156	C -3017921
40		6.7T	24 38.354	-0.0007	14	-31 1 35.32	-0.521	12	0.67	38.389	15	01.1	8.63	15	98.8	GO	GC	28444	C*-3117597
41	10.4	10.1W	24 39.984	0.0000	21	-33 3 36.71	-0.053	21	0.44	39.984	22	31.8	35.75	21	31.8	G5 L	C7	11157	C -3314939
42	9.8	9.5W	24 43.760	-0.0019	13	-35 33 22.97	0.001	13	0.26	43.788	15	35.7	22.98	21	35.7	GO	C8	10610	C -3514130
43	9.4	9.3W	24 44.490	0.0029	13	-36 31 28.20	-0.057	13	0.26	44.449	15	35.7	27.38	21	35.7	FO	C8	10611	C -3614154
44	9.2	9.1W	24 50.331	0.0037	18	-38 16 51.74	-0.004	18	0.32	50.279	15	35.7	51.68	21	35.7	FO	C8	10612	C -3814045
45	9.0	8.5W	24 51.652	-0.0005	21	-31 24 43.60	0.006	21	0.44	51.662	22	31.8	43.72	21	31.8	G5	C7	11158	C -3117601
46	10.4	9.9W	24 52.000	-0.0006	21	-30 10 59.54	-0.035	21	0.44	52.010	22	31.8	58.89	21	31.8	GO	C7	11159	C -3017922
47	10.6	9.8W	24 57.954	0.0018	21	-30 35 43.71	-0.022	21	0.44	57.921	22	31.8	43.32	21	31.8	G5 L	C7	11160	C -3017924
48	10.6	10.3W	25 1.053	0.0016	21	-33 27 52.14	-0.076	21	0.44	1.024	22	31.8	50.75	21	31.8	F5 L	C7	11161	C -3314942
49	9.7	10.2W	25 13.591	-0.0089	21	-31 37 4.47	0.031	21	0.44	13.752	22	31.8	5.03	21	31.8	B5 L	C7	11162	C -3117605
50	10.8	9.9W	25 14.020	-0.0028	21	-30 50 53.63	0.032	21	0.44	14.072	22	31.8	54.22	21	31.8		C7	11163	C -3117606
51	9.8	9.8W	20 25 15.875	0.0002	21	-30 2 13.32	-0.001	21	0.44	15.870	22	31.8	13.29	21	31.8	AO	C7	11164	C -3017929
52	9.3	9.6W	25 17.348	-0.0007	18	-37 47 45.65	-0.011	18	0.32	17.358	15	35.7	45.48	21	35.7	AO	C8	10615	C -3814051
53	8.8	7.8W	25 19.220	0.0037	06	-36 21 37.94	-0.025	06	0.20	19.168	15	35.7	37.58	21	35.7	KO	C8	10616	C -3614161
54		10.2W	25 20.122	-0.0033	21	-32 22 35.06	-0.051	21	0.44	20.182	22	31.8	34.13	21	31.8		C7	11165	C -3215981
55		6.8T	25 22.064	0.0031	12	-34 34 33.29	-0.002	12	0.64	21.908	15	00.0	33.19	18	98.6	KO	GC	28458	C -3414406
56	9.5	8.3W	25 24.855	0.0004	13	-38 40 8.27	-0.006	13	0.26	24.849	15	35.7	8.18	21	35.7	K2	C8	10617	C -3814052
57	10.6	9.5W	25 26.745	0.0006	21	-32 59 25.69	-0.046	21	0.44	26.734	22	31.8	24.85	21	31.8	K2 L	C7	11167	C -3314949
58	9.7	9.2W	25 30.211	-0.0005	13	-36 31 43.17	-0.027	13	0.26	30.219	15	35.7	42.78	21	35.7	F8	C8	10618	C -3614164
59	10.9	10.5W	25 34.118	-0.0019	21	-31 44 39.57	-0.008	21	0.44	34.152	22	31.8	39.43	21	31.8	G5 L	C7	11168	C -3117615
60		6.2T	25 34.487	0.0006	07	-35 45 44.48	-0.020	06	0.33	34.462	14	03.5	43.45	14	99.4	AO	GC	28464	C -3614166
61	9.2	8.0W	25 35.987	-0.0008	13	-37 0 28.22	-0.002	13	0.26	35.999	15	35.7	28.18	21	35.7	KO	C8	10620	C -3713762
62	8.9	9.0W	25 37.877	0.0035	08	-35 31 47.92	-0.002	08	0.22	37.828	15	35.7	47.88	21	35.7	A2	C8	10621	C -3514144
63	10.4	10.3W	25 40.243	-0.0005	21	-31 53 14.80	-0.037	21	0.44	40.252	22	31.8	14.13	21	31.8	GO L	C7	11169	C -3215985
64	9.9	9.4W	25 40.331	-0.0001	21	-32 23 35.09	-0.042	21	0.44	40.332	22	31.8	34.33	21	31.8	G5	C7	11170	C -3215983
65	10.2	8.8W	25 43.683	0.0010	21	-33 23 15.16	-0.006	21	0.44	43.664	22	31.8	15.05	21	31.8	K2	C7	11171	C -3314957
66	10.7	9.3W	25 44.966	-0.0009	21	-32 15 48.38	-0.025	21	0.44	44.982	22	31.8	47.93	21	31.8	K	C7	11172	C -3215987
67	9.0	8.4W	25 53.340	-0.0019	21	-33 18 23.40	0.003	21	0.44	53.374	22	31.8	23.45	21	31.8	G5	C7	11173	C -3314958
68	10.2	9.2W	25 58.140	0.0041	21	-33 37 19.47	0.038	21	0.44	58.064	22	31.8	20.16	21	31.8	K2	C7	11174	C -3314959
69	11.2	10.1W	25 59.038	-0.0024	21	-31 6 12.09	0.012	21	0.44	59.082	22	31.8	12.31	21	31.8		C7	11175	C -3117614
70	10.2	10.0W	26 6.812	-0.0051	21	-34 47 38.83	-0.003	21	0.44	6.905	22	31.8	38.76	21	31.8	F5 L	C7	11176	C -3514150
71	9.1	8.5W	26 11.445	0.0009	21	-34 16 42.52	0.013	21	0.44	11.424	22	31.8	42.76	21	31.8	KO	C7	11177	C -3414410
72	10.4	10.1W	26 11.887	0.0003	21	-30 6 10.22	-0.001	21	0.44	11.880	22	31.8	10.19	21	31.8	F8	C7	11178	C -3017941
73	10.7	10.6W	26 24.277	-0.0029	18	-36 48 27.49	-0.001	18	0.32	24.319	15	35.7	27.38	21	35.7	F2 L	C8	10624	C -3713768
74	9.6	9.6W	26 24.664	-0.0004	21	-30 33 45.25	0.020	21	0.44	24.672	22	31.8	45.62	21	31.8	FO	C7	11179	C -3017944
75	8.2	8.6W	26 32.898	-0.0097	21	-33 11 38.50	0.003	21	0.44	33.074	22	31.8	38.55	21	31.8	AO	C7	11180	C -3314960
76	9.7	8.7W	26 33.099	0.0007	18	-38 47 54.46	-0.012	18	0.32	33.089	15	35.7	54.28	21	35.7	KO	C8	10626	C -3913823
77	9.8	9.7W	26 35.286	-0.0058	21	-31 24 44.58	-0.004	21	0.44	35.392	22	31.8	44.52	21	31.8	F5	C7	11181	C -3117621
78	10.6	9.5W	26 39.187	0.0029	18	-34 54 30.27	0.028	18	0.32	39.147	15	35.7	30.67	21	35.7	F8	C8	10627	C -3514158
79	10.0	9.2W	26 44.607	0.0002	21	-33 30 8.95	-0.005	21	0.44	44.604	22	31.8	8.85	21	31.8	KO	C7	11182	C -3314963
80	10.9	9.8W	26 50.863	0.0006	21	-31 54 57.62	0.017	21	0.44	50.852	22	31.8	57.93	21	31.8	K2 L	C7	11183	C -3216004
81	9.2	9.1W	26 52.742	0.0032	21	-34 51 33.63	-0.014	21	0.44	52.685	22	31.8	33.36	21	31.8	F5	C7	11184	C -3514161
82	10.3	8.8W	26 58.866	0.0012	07	-37 57 49.85	-0.011	07	0.21	58.849	15	35.7	49.68	21	35.7	K5	C8	10629	C -3814067
83	10.2	9.3W	26 59.281	-0.0027	13	-39 23 7.16	-0.040	13	0.26	59.319	15	35.7	6.58	21	35.7	KO	C8	10630	C -3913830
84	10.3	9.3W	27 5.651	-0.0004	13	-35 31 24.53	-0.024	13	0.26	5.658	15	35.7	24.18	21	35.7	KO L	C8	10631	C -3514164
85	10.0	9.0W	27 14.504	-0.0031	09	-37 18 9.73	-0.003	09	0.22	14.549	15	35.7	9.68	21	35.7	KO	C8	10632	C -3713771
86	9.8	8.9W	27 15.663	0.0017	13	-37 12 12.02	-0.002	13	0.26	15.639	15	35.7	11.98	21	35.7	G5	C8	10633	C -3713772
87	9.9	8.9W	27 20.238	-0.0020	21	-33 19 26.46	-0.028	21	0.44	20.274	22	31.8	25.95	21	31.8	K2	C7	11186	C -3314972
88	8.9	8.9W	27 20.253	-0.0006	21	-34 29 1.48	0.021	21	0.44	20.265	22	31.8	1.85	21	31.8	FO	C7	11185	C -3414424
89	10.3	8.8W	27 24.086	-0.0002	13	-39 26 39.23	-0.010	13	0.26	24.089	15	35.7	39.08	21	35.7	K5	C8	10634	C -3913833
90	9.7	8.6W	27 27.074	-0.0010	21	-31 49 39.86	-0.073	21	0.44	27.092	22	31.8	38.53	21	31.8	K2	C7	11187	C -3216008
91	8.6	8.5W	27 31.803	-0.0011	18	-37 54 7.28	-0.020	18	0.32	31.819	15	35.7	6.98	21	35.7	FO	C8	10637	C -3814072
92	10.1	8.7W	27 34.749	-0.0012	21	-31 27 22.97	0.002	21	0.44	34.771	22	31.8	23.01	21	31.8	K5	C7	11188	C -3117633
93	10.4	9.4W	27 39.454	0.0012	13	-36 0 42.05	-0.032	13	0.26	39.388	15	35.7	41.58	21	35.7	K2 L	C8	10638	C -3614193
94	9.7	8.9W	28 1.156	-0.0003	21	-30 52 37.64	-0.040	21	0.44	1.161	22	31.8	36.92	21	31.8	KO	C7	11189	C -3117640
95	11.1	9.7W	28 5.466	0.0026	13	-36 41 7.73	-0.038	13	0.26	5.369	15	35.7	7.18	21	35.7	K2 L	C8	10640	C -3614199
96		9.7W	28 13.503	-0.0045	21	-33 10 4.94	-0.027	21	0.44	13.584	22	31.8	4.45	21	31.8		C7	11190	C -3314985
97	9.8	9.2W	28 18.888	-0.0009	21	-32 46 44.29	-0.090	21	0.44	18.904	22	31.8	42.65	21	31.8	G5	C7	11191	C -3314967
98	10.2	10.4W	28 22.150	-0.0006	18	-37 35 22.04	0.003	18	0.32	22.159	15	35.7	22.08	21	35.7	A8 L	C8	10641	C -3713785
99	9.8	9.7W	28 22.488	0.0007	21	-33 56 8.58	-0.111	21	0.44	22.475	22	31.8	6.56	21	31.8	F8	C7	11192	C -3414442
100	8.9	8.7W	28 27.000	0.0015	18	-38 5 38.20	-0.050	18	0.32	26.979	15	35.7	37.48	21	35.7	FO	C8	10642	C -3814078

212200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.0	9.2W	20 28 29.356	-0.0015	09	-35 41 32.49	-0.126	09	0.22	29.378	15	35.7	30.68	21	35.7	K2	C8	10643	C -3514180
2	10.1	9.9W	28 34.763	0.0032	13	-36 19 4.44	-0.025	13	0.26	34.718	15	35.7	4.08	21	35.7	F8	C8	10645	C -3614205
3	10.6	10.2W	28 36.265	-0.0026	21	-31 32 40.29	-0.042	21	0.44	36.312	22	31.8	39.53	21	31.8	G2 L	C7	11193	C -3117643
4	'8.7	7.9W	28 43.885	-0.0038	21	-34 39 54.27	-0.011	21	0.44	43.955	22	31.8	54.06	21	31.8	K2	C7	11194	C -3414446
5	9.6	9.4W	28 44.416	0.0018	13	-39 35 21.72	-0.037	13	0.26	44.390	15	35.7	21.18	21	35.7	F8	C8	10646	C -3913845
6	9.2	9.3W	28 50.382	0.0040	21	-30 20 23.23	0.048	21	0.44	50.310	22	31.8	24.09	21	31.8	A5	C7	11195	C -3017971
7	9.2	8.6W	28 52.801	0.0036	13	-39 11 31.44	-0.004	13	0.26	52.749	15	35.7	31.38	21	35.7	G5	C8	10647	C -3913849
8	11.1	10.2W	28 57.433	-0.0032	21	-31 13 40.29	0.056	21	0.44	57.492	22	31.8	41.32	21	31.8	K0 L	C7	11196	C -3117651
9	10.9	10.1W	29 0.373	-0.0060	21	-32 28 31.75	-0.001	21	0.44	0.482	22	31.8	31.73	21	31.8	G0 L	C7	11197	C -3216021
10	9.6	9.3W	29 10.494	-0.0022	21	-34 38 20.96	-0.049	21	0.44	10.535	22	31.8	20.06	21	31.8	G0	C7	11198	C -3414450
11	9.8	9.5W	29 10.649	-0.0003	21	-33 11 23.27	-0.034	21	0.44	10.654	22	31.8	22.65	21	31.8	G0 L	C7	11199	C -3315000
12	9.5	8.5W	29 11.803	-0.0018	13	-37 0 29.67	-0.041	13	0.26	11.829	15	35.7	29.08	21	35.7	K0	C8	10650	C -3713794
13	8.8	8.7W	29 14.558	0.0035	21	-33 12 19.33	-0.032	21	0.44	14.494	22	31.8	18.75	21	31.8	F2	C7	11200	C -3315001
14	10.6	9.5W	29 15.447	-0.0041	21	-30 57 2.46	0.008	21	0.44	15.522	22	31.8	2.62	21	31.8	K0	C7	11201	C -3117653
15	10.2	9.2W	29 16.477	-0.0000	13	-36 20 46.40	-0.050	13	0.26	16.478	15	35.7	45.68	21	35.7	K0	C8	10651	C -3614213
16	11.0	10.1W	29 24.300	-0.0007	21	-32 10 12.56	-0.057	21	0.44	24.312	22	31.8	11.53	21	31.8	K0 L	C7	11202	C -3216025
17	10.9	10.1W	29 31.453	-0.0032	21	-31 16 57.43	0.043	21	0.44	31.512	22	31.8	58.22	21	31.8	K0 L	C7	11203	C#-3117656
18	7.8	8.1W	29 33.483	0.0025	13	-36 23 57.32	-0.016	13	0.26	33.448	15	35.7	57.08	21	35.7	B8	C8	10652	C -3614218
19	11.0	9.6W	29 35.776	0.0019	21	-30 27 33.73	-0.007	21	0.44	35.740	22	31.8	33.59	21	31.8		C7	11204	C -3017983
20	9.9	9.0W	29 36.008	-0.0046	21	-30 46 55.59	-0.010	21	0.44	36.092	22	31.8	55.42	21	31.8	K0	C7	11205	C -3117658
21		7.5T	29 36.877	0.0014	11	-31 33 9.89	0.004	11	0.59	36.805	14	99.3	10.11	15	98.9	A2	GC	28561K	C -3117657
22	9.5	9.5W	29 37.545	0.0014	21	-30 7 33.22	-0.001	21	0.44	37.520	22	31.8	33.19	21	31.8	A2	C7	11207	C -3017985
23		10.2W	29 38.407	0.0009	21	-30 27 31.38	-0.087	21	0.44	38.390	22	31.8	29.79	21	31.8		C7	11208	C -3017984
24	9.4	9.1W	29 41.561	0.0058	13	-37 37 15.76	-0.033	13	0.26	41.479	15	35.7	15.28	21	35.7	G0	C8	10653	C -3713800
25	9.7	8.2W	29 57.024	-0.0016	13	-36 2 44.22	0.012	13	0.26	57.048	15	35.7	44.38	21	35.7	K5	C8	10654	C -3614225
26		10.8W	30 9.174	-0.0015	23	-35 44 48.43	-0.037	23	0.38	9.196	15	35.7	47.90	21	35.7	G2 L	C8	10656	C -3614230
27	10.3	9.4W	30 28.348	-0.0050	21	-30 56 58.79	-0.007	21	0.44	28.440	22	31.8	58.66	21	31.8	K0	C7	11209	C -3117671
28	10.0	9.4W	30 30.415	0.0082	18	-38 41 41.63	-0.002	18	0.32	30.297	15	35.7	41.80	21	35.7	G5	C8	10658	C -3814098
29	10.3	9.7W	30 31.576	-0.0037	21	-34 26 46.78	-0.032	21	0.44	31.643	22	31.8	46.20	21	31.8	K0	C7	11210	C -3414463
30	8.9	8.1W	30 32.706	-0.0018	21	-31 19 55.50	-0.040	21	0.44	32.739	22	31.8	18.83	21	31.8	K2	C7	11211	C -3017996
31	9.9	9.3W	30 33.375	0.0034	10	-36 53 23.09	-0.076	10	0.23	33.327	15	35.7	22.00	21	35.7	G0	C8	10659	C -3713802
32	10.8	10.1W	30 35.926	-0.0008	21	-32 13 23.03	0.013	21	0.44	35.940	22	31.8	23.27	21	31.8	G2 L	C7	11212	C -3216040
33	10.1	9.7W	30 36.675	-0.0073	21	-33 23 43.27	-0.087	21	0.44	36.542	22	31.8	41.69	21	31.8	G2 L	C7	11213	C -3315016
34	11.0	10.8W	30 44.473	-0.0016	18	-35 44 11.09	-0.048	18	0.32	44.496	15	35.7	10.40	21	35.7	F5 L	C8	10661	C -3514200
35	10.3	8.7W	30 53.516	-0.0029	21	-31 23 2.53	-0.020	21	0.44	53.570	22	31.8	2.16	21	31.8	MA	C7	11214	C -3117679
36	11.1	10.1W	31 3.656	-0.0024	21	-32 28 34.15	0.001	21	0.44	3.700	22	31.8	34.17	21	31.8	K	C7	11215	C -3216045
37	10.5	9.2W	31 8.122	0.0011	18	-37 41 41.13	0.012	18	0.32	8.107	15	35.7	41.30	21	35.7	K5	C8	10662	C -3713808
38	10.2	9.5W	31 10.136	-0.0057	21	-30 45 51.34	-0.109	21	0.44	10.240	22	31.8	49.36	21	31.8	G5	C7	11216	C -3117684
39	9.6	9.0W	31 15.347	-0.0075	21	-33 56 17.03	-0.145	21	0.44	15.483	22	31.8	14.39	21	31.8	K0	C7	11217	C -3414471
40	9.6	9.1W	31 15.385	-0.0001	13	-36 56 47.17	-0.054	13	0.26	15.387	15	35.7	46.40	21	35.7	G0	C8	10663	C -3713811
41	8.6	8.7W	31 29.130	-0.0018	21	-34 18 49.99	-0.066	21	0.44	29.163	22	31.8	48.79	21	31.8	F0	C7	11218	C -3414473
42	9.6	8.1W	31 32.751	-0.0012	21	-34 28 1.06	-0.020	21	0.44	32.772	22	31.8	0.70	21	31.8	MB	C7	11219	C -3414474
43	10.4	9.6W	31 33.311	0.0017	21	-32 2 37.71	-0.096	21	0.44	33.280	22	31.8	35.97	21	31.8	G5 L	C7	11220	C -3216051
44	10.6	10.0W	31 33.323	-0.0005	21	-32 57 57.84	-0.047	21	0.44	33.332	22	31.8	56.99	21	31.8	K2 L	C7	11221	C -3315024
45	7.9	7.6W	31 37.742	-0.0006	21	-34 5 42.56	-0.059	21	0.44	37.753	22	31.8	41.50	21	31.8	F5	C7	11222	C#-3414476
46		6.5T	31 40.397	0.0015	10	-38 15 44.06	-0.003	10	0.58	40.314	18	95.5	43.89	18	94.7	A2	GC	28619	C -3814108
47	10.5	9.2W	31 40.440	0.0017	21	-30 55 14.53	0.018	21	0.44	40.410	22	31.8	14.86	21	31.8	K2	C7	11223	C -3117689
48	10.9	9.7W	31 41.470	-0.0035	21	-34 17 55.06	-0.037	21	0.44	41.533	22	31.8	54.39	21	31.8		C7	11224	C -3414477
49		6.5T	31 42.629	0.0015	12	-30 38 45.08	-0.018	12	0.64	42.548	14	97.1	44.10	14	96.6	B9	GC	28620	C -3018013
50	10.0	8.8W	31 43.133	0.0011	13	-39 7 24.07	0.009	13	0.26	43.117	15	35.7	24.20	21	35.7	K2	C8	10665	C -3913871
51	10.3	9.2W	20 31 49.238	-0.0027	13	-36 36 25.92	-0.043	13	0.26	49.277	15	35.7	25.30	21	35.7	K2 L	C8	10667	C -3614247
52	8.9	8.0W	31 51.360	-0.0025	21	-34 54 10.64	-0.002	21	0.44	51.314	22	31.8	10.60	21	31.8	K0	C7	11226	C -3514211
53		8.7T	31 52.828	-0.0004	26	-38 15 47.99	-0.028	22	1.05	52.844	22	07.6	46.77	22	06.7	F8	GC	28626	C -3814111
54	9.3	9.5W	31 53.703	0.0005	13	-36 26 47.99	-0.027	13	0.26	53.696	15	35.7	47.61	21	35.7	A0	C8	10669	C -3614249
55	10.0	8.7W	32 3.582	0.0018	21	-30 10 16.76	0.031	21	0.44	3.548	22	31.8	17.33	21	31.8	K2	C7	11227	C -3018016
56	10.0	9.7W	32 6.894	-0.0032	21	-33 24 28.34	-0.009	21	0.44	6.952	22	31.8	28.18	21	31.8	G0	C7	11228	C -3315035
57	11.3	10.0W	32 8.918	-0.0001	21	-31 53 6.49	0.026	21	0.44	8.920	22	31.8	6.97	21	31.8	K	C7	11229	C -3216062
58	10.3	9.2W	32 11.401	-0.0021	21	-30 22 42.99	0.046	21	0.44	11.439	22	31.8	43.83	21	31.8	K0	C7	11230	C -3018017
59	10.9	9.2W	32 12.554	0.0017	21	-33 39 52.65	-0.025	21	0.44	12.523	22	31.8	52.20	21	31.8	K0 L	C7	11231	C -3315036
60	10.2	9.0W	32 12.675	0.0003	21	-30 37 38.33	0.035	21	0.44	12.670	22	31.8	38.96	21	31.8	K0	C7	11232	C -3018018
61	10.1	9.6W	32 18.493	0.0013	21	-30 17 37.63	-0.000	21	0.44	18.468	22	31.8	37.63	21	31.8	G0	C7	11233	C -3018021
62	10.7	9.8W	32 25.988	-0.0045	21	-31 47 47.48	0.010	21	0.44	26.070	22	31.8	47.67	21	31.8	K0 L	C7	11234	C -3216064
63	8.8	7.9W	32 30.012	-0.0017	21	-34 18 5.69	0.022	21	0.44	30.043	22	31.8	6.10	21	31.8	K2	C7	11235	C -3414484
64	9.1	8.1W	32 31.894	0.0011	13	-39 51 28.47	-0.026	13	0.26	31.878	15	35.7	28.10	21	35.7	K0	C8	10670	C -4013944
65	8.6	8.3W	32 32.388	0.0021	21	-30 48 26.17	-0.039	21	0.44	32.350	22	31.8	25.45	21	31.8	F8	C7	11236	C -3117701
66	10.3	9.8W	32 34.135	-0.0025	21	-31 39 52.09	-0.018	21	0.44	34.180	22	31.8	51.77	21	31.8	K0 L	C7	11237	C -3117699
67	10.2	10.1W	32 34.703	0.0005	13	-35 53 6.00	-0.028	13	0.26	34.696	15	35.7	5.60	21	35.7	F8	C8	10671	C -3614255
68	9.4E	9.0Z	32 45.439	0.0011	12	-39 56 4.09	-0.001	12	0.86	45.385	63	98.7	4.04	57	98.7	F2	CZ	18894	P -40 9325
69	10.3	9.4W	32 46.068	0.0005	21	-31 16 15.10	0.009	21	0.44	46.060	22	31.8	15.26	21	31.8	K0	C7	11238	C -3117705
70	8.7	8.9W	32 51.506	0.0009	21	-30 43 20.68	0.010	21	0.44	51.490	22	31.8	20.86	21	31.8	A5	C7	11239	C -3018028
71	11.1	10.0W	33 1.329	-0.0011	21	-30 8 43.85	0.010	21	0.44	1.348	22	31.8	44.03	21	31.8		C7	11240	C -3018031
72	10.6	10.6W	33 2.583	-0.0001	18	-35 16 26.23	-0.023	18	0.32	2.585	15	35.7	25.90	21	35.7	F5 L	C8	10673	C -3514220
73	9.5	9.3W	33 3.422	0.0017	13	-39 24 32.23	-0.065	13	0.26	3.397	15	35.7	31.30	21	35.7	F8	C8	10674	C -3913882
74	9.9	8.9W	33 8.972	0.0011	18	-37 16 52.61	-0.001	18	0.32	8.957	15	35.7	52.60	21	35.7	K0	C8	10676	C -3713824
75	9.9	9.2W	33 12.664	0.0076	09	-35 55 42.43	-0.135	09	0.22	12.556	15	35.7	40.50	21	35.7	K0	C8	10677	C -3614267
76	10.7	10.2W	33 15.532	-0.0011	21	-32 47 6.31	0.048	21	0.44	15.552	22	31.8	7.18	21	31.8	G0 L	C7	11241	C -3315049
77	11.0	9.5W	33 15.843	0.0013	21	-30 53 7.02	0.002	21	0.44	15.820	22	31.8	7.06	21	31.8	MB	C7	11242	C -3117712
78	10.3	9.7W	33 34.101	-0.0032	21	-30 59 12.84	-0.021	21	0.44	34.160	22	31.8	12.46	21	31.8	G5	C7	11243	C -3117716
79	9.0	8.9W	33 38.386	-0.0030	21	-32 22 55.94	0.040	21	0.44	38.440	22	31.8	56.67	21	31.8	F5	C7	11244	C -3216078
80	8.5	7.5W	33 41.443	-0.0030	05	-37 33 41.24	0.004	05	0.20	41.486	15	35.7	41.30	21	35.7	K0	C8	10679	C -3713829
81	10.7	9.9W	33 48.481	-0.0025	18	-37 52 47.01	-0.029	18	0.32	48.517	15	35.7	46.60	21	35.7	K0 L	C8	10680	C -3814131
82	10.7	9.6W	33 53.473	-0.0005	21	-32 50 4.94	-0.020	21	0.44	53.482	22	31.8	4.59	21	31.8	K L	C7	11245	C -3315062
83	11.0	10.0W	34 1.200	0.0009	21	-33 40 58.58	-0.049	21	0.44	1.183	22	31.8	57.69	21	31.8		C	11246	C -3315063
84	10.1	9.5W	34 1.470	-0.0027	21	-30 48 52.40	0.009	21	0.44	1.520	22	31.8	52.55	21	31.8	G5	C7	11247	C -3117723
85	10.2	9.0W	34 3.685	0.0014	21	-31 24 33.07	0.016	21	0.44	3.660	22	31.8	33.35	21	31.8	K0	C7	11248	C -3117724
86	8.3	8.0W	34 7.047	-0.0108	21	-34 19 57.82	0.037	21	0.44	7.243	22	31.8	58.49	21	31.8	G0	C7	11249	C -3414500
87	9.3	8.7W	34 8.182	-0.0007	21	-34 41 8.46	0.030	21	0.44	8.194	22	31.8	9.00	21	31.8	K0	C7	11250	C -3414501
88	9.0	8.8W	34 11.546	-0.0021	21	-34 54 38.95	-0.074	21	0.44	11.584	22	31.8	37.60	21	31.8	G0	C7	11251	C -3514232
89	10.0	9.5W	34 12.652	0.0088	21	-33 22 43.18	-0.132	21	0.44	12.492	22	31.8	40.79	21	31.8	K0	C7	11252	C -3315069
90	11.2	10.4W	34 13.093	0.0013	21	-30 2 41.60	0.018	21	0.44	13.069	22	31.8	41.93	21	31.8		C7	11253	C -3018048
91	10.7	10.0W	34 14.419	0.0002	18	-37 52 33.83	-0.002	18	0.32	14.416	15	35.7	33.80	21	35.7	K1 L	C8	10681	C -3814135
92	10.3	9.3W	34 29.877	-0.0007	21	-31 12 10.35	-0.038	21	0.44	29.890	22	31.8	9.65	21	31.8	K2	C7	11254	C -3117729
93	10.0	10.2W	34 35.618	-0.0030	21	-32 53 20.60	-0.001	21	0.44	35.672	22	31.8	20.58	21	31.8	A0	C7	11255	C -3315073
94	8.9	8.6W	34 36.074	-0.0001	13	-36 14 30.00	-0.035	13	0.26	36.076	15	35.7	29.51	21	35.7	G0	C8	10684	C -3614285
95	10.4	9.7W	34 37.875	-0.0052	21	-32 7 14.80	-0.002	21	0.44	37.970	22	31.8	14.77	21	31.8	G5	C7	11256	C -3216087
96	9.8	9.6W	34 40.531	0.0026	21	-33 33 52.34	0.003	21	0.44	40.483	22	31.8	52.40	21	31.8	G0 L	C7	11257	C -3315075
97	9.8	9.0W	34 43.112	0.0017	13	-39 24 14.26	-0.011	13	0.26	43.087	15	35.7	14.10	21	35.7	K0	C8	10685	C -3913894
98	7.7	8.0W	34 45.315	0.0011	21	-33 33 7.48	-0.043	21	0.44	45.313	22	31.8	6.70	21	31.8	A0	C7	11258	C -3315079
99	9.0	8.2W	34 53.054	0.0002	21	-31 32 44.75	0.017	21	0.44	53.050	22	31.8	45.07	21	31.8	G5	C7	11259	C -3117734
00	10.3	9.6W	34 57.043	-0.0004	21	-32 15 11.02	-0.036	21	0.44	57.050	22	31.8	10.37	21	31.8	G5	C7	11260	C -3216091

212300 — -30° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.8	7.0M	20 35 4.353	0.0002	21	-31 9 13.93	0.018	21	0.44	4.350	22	31.8	14.25	21	31.8	K2		C7	11261	C -3117736
2	8.2	8.2M	35 4.632	0.0051	21	-30 44 3.49	0.015	21	0.44	4.540	22	31.8	3.75	21	31.8	K2		C7	11262	C -3018059
3	8.8	7.6M	35 12.182	-0.0015	21	-31 7 41.75	-0.054	21	0.44	12.219	22	31.8	40.76	21	31.8	K2		C7	11263	C -3117740
4	10.4	9.2M	35 15.555	-0.0000	13	-35 28 37.10	-0.021	13	0.26	15.555	15	35.7	36.80	21	35.7	K2	L	C8	10687	C -3514243
5	9.6	9.5M	35 21.568	0.0021	21	-32 19 14.27	-0.006	21	0.44	21.550	22	31.8	14.17	21	31.8	F8		C7	11264	C -3216095
6	10.7	9.9M	35 22.315	-0.0004	21	-32 53 20.91	0.037	21	0.44	22.322	22	31.8	21.59	21	31.8	G5	L	C7	11265	C -3315088
7		10.3M	35 28.464	0.0008	21	-30 6 52.28	0.003	21	0.44	28.448	22	31.8	52.33	21	31.8			C7	11266	C -3018062
8	10.5	10.4M	35 33.212	-0.0025	18	-36 37 12.81	0.006	18	0.32	33.247	15	35.7	12.90	21	35.7	F8	L	C8	10688	C -3614145
9	10.1	9.8M	35 37.991	-0.0025	18	-37 4 1.70	0.000	18	0.32	38.027	15	35.7	1.71	21	35.7	F5		C8	10689	C -3713849
10	8.3	7.3M	35 38.047	0.0002	21	-33 51 15.41	-0.045	21	0.44	38.043	22	31.8	14.59	21	31.8	K2		C7	11267	C -3414516
11	9.3	9.0M	35 40.601	-0.0039	08	-36 37 36.47	0.016	08	0.22	40.657	15	35.7	36.70	21	35.7	F8		C8	10691	C -3614304
12	8.8	8.6M	35 41.250	0.0058	08	-39 25 15.14	-0.024	08	0.22	41.167	15	35.7	14.80	21	35.7	F5		C8	10692	C -3913900
13	7.9	8.2M	35 52.454	0.0012	08	-36 31 56.93	-0.030	08	0.22	52.437	15	35.7	56.50	21	35.7	A0		C8	10693	C -3614306
14	8.7	8.9M	35 56.460	0.0010	13	-35 35 43.46	-0.004	13	0.26	56.446	15	35.7	43.40	21	35.7	A3		C8	10694	C -3514253
15	10.8	9.9M	35 56.462	-0.0011	21	-32 57 58.20	-0.034	21	0.44	56.482	22	31.8	57.59	21	31.8	K	L	C7	11268	C -3315099
16	8.8	7.4M	36 1.827	0.0041	21	-33 21 13.15	-0.009	21	0.44	1.752	22	31.8	12.99	21	31.8	K0		C7	11269	C -3315102
17	9.4	8.5M	36 5.579	0.0002	13	-36 56 14.91	0.006	13	0.26	5.577	15	35.7	15.00	21	35.7	K0		C8	10696	C -3713854
18	10.3	10.0M	36 11.152	0.0004	23	-38 15 37.30	0.063	23	0.38	11.146	15	35.7	38.21	21	35.7	F8		C8	10697	C -3814152
19	9.4	9.2M	36 31.048	0.0044	13	-35 25 43.54	0.032	13	0.26	30.985	15	35.7	44.00	21	35.7	F5		C8	10698	C -3514258
20	8.7	8.5M	36 33.280	-0.0005	21	-31 6 3.49	0.004	21	0.44	33.290	22	31.8	3.55	21	31.8	F2		C7	11271	C -3117753
21		7.2T	36 40.978	0.0037	09	-36 12 37.01	-0.054	08	0.39	40.819	12	06.7	34.61	14	05.7	F2		GC	28755	C*-3614315
22	10.4	9.2M	36 41.568	0.0010	21	-32 18 21.68	-0.067	21	0.44	41.550	22	31.8	20.47	21	31.8	K5		C7	11272	C -3216107
23	10.1	8.9M	36 52.218	0.0007	08	-39 30 28.84	-0.073	08	0.22	52.208	15	35.7	27.80	21	35.7	K2		C8	10700	C -3913909
24	10.5	10.0M	36 53.102	-0.0059	13	-37 13 13.44	-0.010	13	0.26	53.187	15	35.7	13.30	21	35.7	G0		C8	10701	C -3713860
25	10.6	9.6M	36 55.564	0.0006	21	-33 30 0.60	0.005	21	0.44	55.553	22	31.8	0.69	21	31.8	K0	L	C7	11273	C -3315114
26	9.1	9.2M	36 57.239	-0.0019	21	-34 22 53.88	-0.010	21	0.44	57.273	22	31.8	53.69	21	31.8	F5		C7	11274	C -3414535
27	8.8	8.0M	36 59.971	-0.0025	18	-37 45 34.79	0.022	18	0.32	0.006	15	35.7	35.11	21	35.7	G5		C8	10702	C -3814160
28	9.5	8.0M	37 1.237	0.0035	21	-34 13 38.82	-0.007	21	0.44	1.173	22	31.8	38.69	21	31.8	K2		C7	11275	C -3414536
29	9.6	9.4M	37 1.581	0.0020	21	-34 53 36.67	-0.009	21	0.44	1.544	22	31.8	36.51	21	31.8	G5		C7	11276	C -3514265
30	10.2	9.5M	37 6.983	-0.0002	13	-35 47 1.33	-0.009	13	0.26	6.986	15	35.7	1.20	21	35.7	K0	L	C8	10705	C -3614324
31		10.6M	37 7.032	0.0007	21	-31 18 47.51	0.069	21	0.44	7.020	22	31.8	48.75	21	31.8			C7	11277	C -3117756
32		7.4T	37 7.888	0.0034	12	-35 58 35.61	-0.043	12	0.64	7.718	17	99.7	33.43	17	99.6	F0		GC	28773	C*-3614323
33		5.5M	37 11.938	0.0029	03	-33 36 36.53	0.043	03	0.13	11.829	06	13.0	38.03	05	15.0	K2		F4	1540	C -3315119
34	9.6	9.5M	37 23.984	-0.0009	21	-32 20 34.64	0.018	21	0.44	24.000	22	31.8	34.97	21	31.8	F8		C7	11279	C -3216120
35	9.6E	9.5Z	37 24.729	0.0015	12	-39 58 0.80	-0.000	12	0.67	24.650	28	98.2	0.80	26	98.2	A2		CZ	18931	P -40 9342
36	10.7	9.9M	37 26.588	0.0093	21	-30 13 46.88	-0.036	21	0.44	26.419	22	31.8	46.23	21	31.8			C7	11280	C -3018090
37	10.7	9.8M	37 27.673	-0.0031	21	-31 23 42.48	-0.012	21	0.44	27.730	22	31.8	42.25	21	31.8	K5	L	C7	11281	C -3117759
38	10.0	9.9M	37 34.776	-0.0046	21	-30 40 45.58	0.021	21	0.44	34.860	22	31.8	45.96	21	31.8	F8	L	C7	11282	C -3018092
39	9.7	9.6M	37 58.655	0.0012	21	-33 37 14.31	-0.012	21	0.44	58.633	22	31.8	14.09	21	31.8	F8		C7	11284	C*-3315130
40	10.6	10.0M	38 1.448	-0.0033	18	-35 57 55.10	-0.077	18	0.32	1.496	15	35.7	54.01	21	35.7	G5	L	C8	10708	C -3614339
41	9.7	9.3M	38 1.534	0.0012	18	-38 50 26.29	-0.013	18	0.32	1.517	15	35.7	26.10	21	35.7	G0		C8	10709	C -3913916
42	10.3	10.3M	38 3.372	-0.0026	21	-30 28 8.31	0.001	21	0.44	3.419	22	31.8	8.33	21	31.8	G0	L	C7	11285	C -3018100
43	10.8	10.2M	38 3.728	0.0015	13	-36 43 43.08	-0.006	13	0.26	3.707	15	35.7	43.00	21	35.7	G2	L	C8	10710	C -3614338
44	10.5	10.3M	38 7.737	-0.0023	21	-30 25 50.52	0.017	21	0.44	7.779	22	31.8	50.83	21	31.8	F8	L	C7	11286	C -3018101
45		5.8T	38 17.795	0.0081	08	-31 46 34.43	-0.052	08	0.37	17.443	12	06.8	32.12	12	05.2	M0		GC	28808	C -3216130
46	10.3	9.6M	38 19.017	-0.0001	21	-30 33 3.91	0.052	21	0.44	19.020	22	31.8	4.85	21	31.8	K0	L	C7	11288	C -3018102
47	9.4	8.0M	38 19.578	-0.0003	21	-34 16 49.81	-0.023	21	0.44	19.583	22	31.8	49.39	21	31.8	K5		C7	11289	C -3414550
48	9.2	9.0M	38 22.853	-0.0023	18	-37 58 23.96	-0.039	18	0.32	22.886	15	35.7	23.40	21	35.7	F8		C8	10713	C -3814172
49	9.8	8.8M	38 24.774	0.0035	21	-32 22 32.26	-0.055	21	0.44	24.710	22	31.8	31.27	21	31.8	K0		C7	11290	C -3216131
50	9.7	8.8M	38 27.427	0.0015	21	-31 49 18.53	-0.020	21	0.44	27.400	22	31.8	18.17	21	31.8	K2		C7	11291	C -3216132
51	10.0	9.8M	20 38 28.097	-0.0036	21	-33 5 46.47	0.061	21	0.44	28.962	22	31.8	47.59	21	31.8	F8	L	C7	11292	C -3315136
52	9.9	9.0M	38 42.282	0.0027	21	-34 4 2.34	-0.019	21	0.44	42.233	22	31.8	1.99	21	31.8	K5		C7	11293	C -3414555
53	10.5	9.2M	38 42.418	-0.0034	18	-37 21 45.59	0.001	18	0.32	42.467	15	35.7	45.61	21	35.7	K5		C8	10715	C -3713876
54	8.5	8.5M	38 42.418	0.0030	21	-34 28 37.58	-0.016	21	0.44	42.363	22	31.8	37.29	21	31.8	F0		C7	11294	C -3414554
55		10.0M	38 43.685	0.0216	21	-32 36 35.20	-0.331	21	0.44	43.292	22	31.8	29.18	21	31.8	PEC		C7	11295	C*-3216135
56	10.5	9.8M	38 49.230	-0.0030	21	-34 51 1.72	0.015	21	0.44	49.284	22	31.8	1.90	21	31.8	G5	L	C7	11296	C -3514283
57	9.7	9.1M	38 52.633	-0.0010	06	-38 51 17.65	-0.094	06	0.20	52.647	15	35.7	16.30	21	35.7	G0		C8	10716	C -3913925
58		10.2M	38 54.344	0.0003	21	-30 20 51.42	-0.038	21	0.44	54.338	22	31.8	50.73	21	31.8			C7	11297	C -3018111
59	8.2	7.9M	38 59.744	0.0013	21	-32 13 33.24	-0.015	21	0.44	59.720	22	31.8	32.97	21	31.8	F8		C7	11298	C -3216140
60	10.1	9.5M	39 0.077	-0.0009	21	-33 54 39.57	-0.048	21	0.44	0.093	22	31.8	38.69	21	31.8	K5		C7	11299	C -3414561
61	9.8	8.8M	39 2.130	-0.0005	10	-38 45 48.18	-0.006	10	0.23	2.137	15	35.7	48.10	21	35.7	K0		C8	10718	C -3913927
62	8.6	8.6M	39 12.509	-0.0011	21	-30 44 21.58	-0.045	21	0.44	12.530	22	31.8	20.75	21	31.8	F0		C7	11300	C -3117780
63	9.2	9.2M	39 15.486	-0.0015	21	-33 38 56.50	-0.028	21	0.44	15.513	22	31.8	56.00	21	31.8	A5		C7	11301	C -3315141
64	10.5	10.1M	39 17.649	-0.0006	21	-30 41 21.14	0.007	21	0.44	17.660	22	31.8	21.26	21	31.8			C7	11302	C -3018114
65	9.7	9.6M	39 18.628	-0.0017	21	-30 41 40.68	0.043	21	0.44	18.660	22	31.8	41.46	21	31.8			C7	11303	C -3018115
66	9.5	9.2M	39 20.216	-0.0026	21	-33 30 29.56	-0.009	21	0.44	20.263	22	31.8	29.40	21	31.8	G0		C7	11304	C -3315142
67	10.5	9.5M	39 28.446	-0.0021	21	-34 34 49.73	-0.007	21	0.44	28.484	22	31.8	49.60	21	31.8	K	L	C7	11305	C -3414567
68	10.3	10.2M	39 31.584	0.0034	13	-36 15 19.29	-0.048	13	0.26	31.536	15	35.7	18.60	21	35.7	F5	L	C8	10719	C -3614357
69		6.4T	39 36.873	0.0020	06	-39 44 19.57	-0.003	05	0.28	36.787	12	07.7	19.42	10	03.2	K0		GC	28841	C -4013994
70	10.3	9.6M	39 37.187	0.0010	21	-30 12 15.95	0.010	21	0.44	37.168	22	31.8	16.13	21	31.8	K0	L	C7	11306	C -3018119
71	9.7	9.7M	39 39.881	-0.0024	21	-34 37 33.97	0.013	21	0.44	39.924	22	31.8	34.21	21	31.8	G0	L	C7	11307	C -3414570
72	10.4	9.3M	39 40.663	-0.0023	13	-35 35 56.96	-0.018	13	0.26	40.696	15	35.7	56.70	21	35.7	K1	L	C8	10721	C -3514296
73	9.7	8.7M	39 49.294	-0.0023	13	-39 0 11.11	-0.064	13	0.26	49.327	15	35.7	10.21	21	35.7	K2		C8	10723	C -3913935
74	9.5	9.2M	39 57.681	-0.0017	21	-32 33 9.53	-0.003	21	0.44	57.712	22	31.8	9.48	21	31.8	G0		C7	11308	C -3216148
75	8.6	8.7M	40 3.413	0.0011	21	-34 22 36.15	-0.003	21	0.44	3.393	22	31.8	36.09	21	31.8	A2		C7	11309	C -3414576
76	11.1	10.4M	40 6.321	-0.0010	21	-31 15 50.95	-0.016	21	0.44	6.340	22	31.8	50.65	21	31.8			C7	11310	C -3117793
77	10.0	9.9M	40 6.338	-0.0034	21	-32 28 24.77	0.027	21	0.44	6.400	22	31.8	25.27	21	31.8	F5		C7	11311	C -3216150
78	10.1	10.0M	40 6.622	-0.0032	21	-31 35 11.56	0.006	21	0.44	6.680	22	31.8	11.67	21	31.8	F8	L	C7	11312	C -3117794
79	10.2	9.1M	40 14.181	0.0017	09	-37 55 31.18	-0.013	09	0.22	14.156	15	35.7	31.00	21	35.7	K5		C8	10724	C -3814184
80	9.6	8.9M	40 17.570	-0.0033	21	-31 43 43.41	0.003	21	0.44	17.630	22	31.8	43.47	21	31.8	K0		C7	11313	C -3117795
81	10.5	10.1M	40 19.995	-0.0036	18	-37 40 55.13	0.019	18	0.32	20.046	15	35.7	55.40	21	35.7	G5	L	C8	10725	C -3713888
82	9.4	9.4M	40 22.175	-0.0008	18	-38 29 3.19	-0.013	18	0.32	22.186	15	35.7	3.01	21	35.7	A0		C8	10726	C -3814185
83	9.2	9.0M	40 23.958	0.0002	13	-35 42 38.61	-0.022	13	0.26	23.956	15	35.7	38.30	21	35.7	F8		C8	10727	C -3514301
84	10.8	9.4M	40 32.699	-0.0005	10	-38 0 48.84	-0.003	10	0.23	32.707	15	35.7	48.81	21	35.7	K5		C8	10728	C -3814188
85	9.9	9.0M	40 33.071	-0.0003	13	-35 49 17.27	-0.005	13	0.26	33.076	15	35.7	17.20	21	35.7	K0		C8	10729	C -3614371
86	10.6	10.2M	40 33.612	0.0039	18	-36 45 30.11	0.048	18	0.32	33.557	15	35.7	30.80	21	35.7	G2	L	C8	10730	C -3713891
87	8.9	7.9M	40 33.754	0.0019	21	-30 24 35.72	-0.005	21	0.44	33.719	22	31.8	35.63	21	31.8	K2		C7	11314	C -3018133
88	9.9	9.1M	40 45.429	-0.0024	21	-32 57 24.51	0.026	21	0.44	45.472	22	31.8	24.99	21	31.8	K2		C7	11315	C -3315161
89	10.9	10.0M	40 53.443	-0.0037	21	-31 44 27.02	0.008	21	0.44	53.510	22	31.8	27.17	21	31.8			C7	11316	C -3216158
90		7.4T	40 58.552	0.0003	13	-32 6 35.19	-0.009	12	0.65	58.535	15	00.4	34.76	18	00.3	K2		GC	28871	C*-3216161
91	10.0	9.9M	41 3.389	-0.0033	21	-30 10 44.75	-0.342	21	0.44	3.449	22	31.8	38.53	21	31.8	F8	L	C7	11318	C -3018140
92	9.4	9.5M	41 8.678	-0.0013	18	-36 55 24.64	-0.017	18	0.32	8.697	15	35.7	24.40	21	35.7	A0		C8	10733	C -3713898
93	10.4	9.0M	41 12.458	0.0013	21	-34 42 0.47	0.024	21	0.44	12.384	22	31.8	0.90	21	31.8	K	L	C7	11319	C -3414589
94	9.5	9.4M	41 19.617	-0.0031	21	-33 40 9.56	-0.004	21	0.44	19.673	22	31.8	9.49	21	31.8	G0		C7	11320	C -3315166
95	10.5	10.2M	41 23.548	-0.0003	21	-33 47 4.18	0.023	21	0.44	23.553	22	31.8	4.59	21	31.8	G0	L	C7	11321	C -3414593
96		6.9T	41 30.435	0.0015	07	-36 0 32.97	0.021	07	0.34	30.371	14	06.6	33.92	14	04.4	K0		GC	28889	C -3614382
97	10.7	9.8M	41 32.544	0.0027	13	-36 16 38.83	-0.051	13	0.26	32.506	15	35.7	38.10	21	35.7	G8	L	C8	10735	C -3614383
98	10.1	10.1M	41 35.499	-0.0083	21	-31 48 22.85	-0.142	21	0.44	35.650	22	31.8	20.27	21	31.8	G5	L	C7	11322	C -3216172
99	9.1	8.2M	41 35.840	0.0008	13	-39 44 34.67	0.002	13	0.26	35.828	15	35.7	34.71	21	35.7	K0		C8	10736	C -4014008
00	9.9	10.0M	41 48.648	0.0023	13	-36 15 27.81	-0.043	13	0.26	48.616	15	35.7	27.20	21	35.7	A8	L	C8	10737	C -3614388

212400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-30° 20H DM NUMBER
1		6.9T	20 42 2.339	-0.0002	14	-35 20 52.56	-0.009	13	0.72	2.349	19	00.1	53.00	19	99.5	G0	GC	28902K	C -3514326
2	9.8	8.4W	42 3.756	0.0212	21	-31 31 5.29	-0.348	21	0.44	3.370	22	31.8	58.97	21	31.8	K5	C7	11323	C -3117815
3	9.4	9.3W	42 5.285	0.0021	13	-35 27 6.20	-0.014	13	0.26	5.255	15	35.7	6.00	21	35.7	G	C8	10741	C -3514329
4	10.0	9.9W	42 8.320	-0.0024	18	-35 9 4.83	-0.037	18	0.32	8.355	15	35.7	4.30	21	35.7	F2 L	C8	10742	C -3514330
5	8.9	8.6W	42 9.466	0.0064	21	-31 8 13.69	-0.062	21	0.44	9.350	22	31.8	12.56	21	31.8	F8	C7	11324	C -3117817
6	9.5	9.8W	42 9.923	0.0006	21	-32 32 32.93	-0.003	21	0.44	9.912	22	31.8	32.88	21	31.8	A0	C7	11325	C -3216177
7	10.1	9.5W	42 12.540	-0.0011	18	-37 46 21.02	-0.585	18	0.32	12.556	15	35.7	19.80	21	35.7	G0	C8	10743	C -3814199
8	10.2	9.2W	42 15.194	0.0061	18	-38 14 52.74	-0.017	18	0.32	15.106	15	35.7	52.50	21	35.7	K0	C8	10744	C -3814200
9	9.6	9.6W	42 17.953	0.0049	21	-34 49 41.04	-0.024	21	0.44	17.864	22	31.8	40.60	21	31.8	F8 L	C7	11326	C -3514334
10		6.8T	42 20.299	-0.0005	12	-30 39 36.44	0.006	13	0.67	20.323	17	98.4	36.74	18	97.3	F0	GC	28911K	C*-3018155
11	9.0	8.3W	42 26.543	0.0075	06	-35 33 21.79	-0.104	06	0.20	26.436	15	35.7	20.30	21	35.7	G5	C8	10746	C -3514337
12	10.8	10.2W	42 37.821	-0.0010	21	-30 20 34.13	-0.033	21	0.44	37.839	22	31.8	33.53	21	31.8		C7	11328	C -3018161
13	9.9	9.4W	42 43.991	0.0054	21	-32 53 28.96	0.012	21	0.44	43.892	22	31.8	29.18	21	31.8	G5 L	C7	11329	C -3315177
14	10.5	10.2W	42 59.812	-0.0045	18	-37 55 17.44	-0.010	18	0.32	59.877	15	35.7	17.30	21	35.7	G5 L	C8	10754	C -3814212
15	10.3	9.5W	43 4.761	0.0026	21	-34 45 43.58	-0.010	21	0.44	4.714	22	31.8	43.40	21	31.8	K2 L	C7	11330	C -3514344
16		5.5T	43 4.893	0.0039	06	-39 22 55.90	-0.025	06	0.28	4.722	10	06.4	54.77	10	05.0	B8	GC	28927	C*-3913960
17		6.5T	43 7.829	0.0036	11	-36 18 10.17	-0.053	09	0.54	7.648	17	99.4	7.37	15	97.3	F2	GC	28928	C -3614396
18	10.7	9.8W	43 13.057	-0.0020	13	-36 2 41.06	-0.032	13	0.26	13.086	15	35.7	40.60	21	35.7	K0 L	C8	10759	C -3614397
19	8.5	8.5W	43 13.779	0.0005	21	-31 42 21.37	-0.006	21	0.44	13.770	22	31.8	21.27	21	31.8	F0	C7	11331	C -3117829
20	9.7	9.6W	43 23.197	-0.0013	21	-31 46 6.38	-0.050	21	0.44	23.220	22	31.8	5.47	21	31.8	G2 L	C7	11332	C -3216191
21	10.3	9.6W	43 29.106	-0.0048	21	-34 5 40.15	-0.047	21	0.44	29.193	22	31.8	39.29	21	31.8	K2 L	C7	11333	C -3414620
22	11.0	10.8W	43 29.855	0.0042	21	-30 33 23.59	-0.018	21	0.44	29.780	22	31.8	23.26	21	31.8		C7	11334	C -3018170
23	9.4	9.0W	43 32.396	0.0029	21	-33 47 15.47	-0.021	21	0.44	32.343	22	31.8	15.09	21	31.8	G5	C7	11335	C -3414622
24	9.8	9.4W	43 37.156	0.0049	18	-36 56 18.92	-0.106	18	0.32	37.087	15	35.7	17.40	21	35.7	F8	C8	10760	C -3713921
25	11.1	10.3W	43 40.925	0.0036	21	-32 5 35.66	-0.038	21	0.44	40.860	22	31.8	34.97	21	31.8		C7	11336	C -3216198
26	10.3	9.9W	43 49.503	-0.0020	21	-31 4 24.84	0.029	21	0.44	49.540	22	31.8	25.36	21	31.8	G5 L	C7	11337	C -3117833
27	10.6	9.8W	44 2.667	0.0010	21	-30 35 18.19	-0.018	21	0.44	2.650	22	31.8	17.85	21	31.8	K2	C7	11338	C -3018177
28	10.2	9.4W	44 4.025	-0.0008	21	-30 53 40.68	0.032	21	0.44	4.040	22	31.8	41.26	21	31.8	K0	C7	11339	C -3117839
29	10.4	9.5W	44 4.633	-0.0022	21	-34 26 40.41	-0.054	21	0.44	4.673	22	31.8	41.39	21	31.8	K2 L	C7	11340	C -3414628
30	8.9	8.2W	44 6.801	0.0137	06	-35 20 13.55	-0.052	06	0.20	6.605	15	35.7	12.81	21	35.7	G5	C8	10762	C -3514353
31	9.0	8.8W	44 9.796	0.0053	21	-31 38 21.72	-0.047	21	0.44	9.700	22	31.8	20.87	21	31.8	G0	C7	11341	C -3117840
32	10.9	9.9W	44 21.384	-0.0002	18	-38 19 48.00	0.028	18	0.32	21.387	15	35.7	48.40	21	35.7	K0 L	C8	10763	C -3814223
33	8.8	9.2W	44 23.160	0.0037	21	-33 9 41.93	-0.008	21	0.44	23.092	22	31.8	41.79	21	31.8	A0	C7	11342	C -3315193
34	10.7	9.7W	44 26.199	0.0003	21	-33 55 6.69	0.000	21	0.44	26.193	22	31.8	6.70	21	31.8	K	C7	11343	C -3414632
35	9.5	9.6W	44 27.580	-0.0000	21	-32 3 38.71	0.003	21	0.44	27.580	22	31.8	38.77	21	31.8	F0	C7	11344	C -3216204
36			44 31.955	-0.0014	13	-35 57 37.68	-0.041	13	0.26	31.976	15	35.7	37.10	21	35.7	G2 L	C8	10765	C -3614405
37	10.0	9.2W	44 33.890	0.0009	10	-36 46 41.27	-0.047	10	0.23	33.877	15	35.7	40.61	21	35.7	K0	C8	10767	C -3713926
38	10.5	9.6W	44 40.532	0.0000	21	-32 44 39.45	0.024	21	0.44	40.532	22	31.8	39.89	21	31.8	K0 L	C7	11345	C -3315196
39	9.0	9.2W	44 44.492	-0.0016	21	-33 41 12.68	-0.016	21	0.44	44.463	22	31.8	12.40	21	31.8	A0	C7	11347	C -3315199
40	10.7	10.1W	44 45.114	-0.0038	21	-33 34 39.04	-0.030	21	0.44	45.183	22	31.8	38.49	21	31.8	K0 L	C7	11348	C -3315200
41	9.3	9.2W	44 48.061	-0.0027	21	-31 43 5.10	0.020	21	0.44	48.110	22	31.8	5.47	21	31.8	F0	C7	11349	C -3117848
42	9.0	8.9W	44 50.620	-0.0035	21	-33 46 2.66	-0.009	21	0.44	50.683	22	31.8	2.50	21	31.8	F2	C7	11350	C -3414634
43	9.2	9.2W	44 50.964	-0.0036	13	-35 34 22.23	-0.009	13	0.26	51.016	15	35.7	22.10	21	35.7	A2	C8	10768	C*-3514363
44	10.1	9.9W	44 53.083	-0.0097	21	-30 25 27.89	-0.108	21	0.44	53.259	22	31.8	25.93	21	31.8	G5	C7	11351	C -3018186
45	10.2	9.9W	44 54.023	-0.0026	21	-32 28 39.29	-0.040	21	0.44	54.070	22	31.8	38.57	21	31.8	G2 L	C7	11352	C -3216207
46	9.7	9.0W	44 56.730	-0.0004	13	-34 56 3.30	-0.034	13	0.26	56.735	15	35.7	2.81	21	35.7	G0	C8	10769	C -3514365
47	8.8	8.5W	45 11.266	0.0014	18	-37 32 52.71	0.006	18	0.32	11.246	15	35.7	52.80	21	35.7	F5	C8	10770	C -3713932
48	10.6	9.7W	45 12.746	0.0002	21	-32 37 1.17	0.023	21	0.44	12.742	22	31.8	1.59	21	31.8	K2 L	C7	11353	C -3216210
49	10.0	10.1W	45 18.021	-0.0005	21	-32 4 54.53	0.040	21	0.44	18.030	22	31.8	55.27	21	31.8	F2 L	C7	11354	C -3216211
50	9.7	9.7W	45 18.096	-0.0009	21	-30 41 1.18	-0.034	21	0.44	18.080	22	31.8	0.56	21	31.8	F2	C7	11355	C -3018190
51	10.8	9.3W	20 45 18.748	-0.0013	23	-38 9 11.04	0.011	23	0.38	18.767	15	35.7	11.20	21	35.7	K2 L	C8	10771	C -3814230
52	10.3	9.6W	45 21.551	-0.0016	21	-32 5 3.78	-0.023	21	0.44	21.580	22	31.8	3.37	21	31.8	K0 L	C7	11356	C -3216212
53	9.6	8.8W	45 23.404	0.0013	21	-31 37 19.93	0.002	21	0.44	23.380	22	31.8	19.97	21	31.8	G5	C7	11357	C -3117858
54	10.6	10.7W	45 35.459	-0.0033	21	-30 16 42.30	0.029	21	0.44	35.519	22	31.8	42.83	21	31.8	F5 L	C7	11358	C -3018195
55	10.4	9.0W	45 40.211	0.0005	21	-33 18 32.48	-0.033	21	0.44	40.202	22	31.8	31.89	21	31.8	K5 L	C7	11359	C -3315206
56	10.1	9.6W	45 44.844	0.0041	13	-36 24 5.63	-0.051	13	0.26	44.786	15	35.7	4.91	21	35.7	G5 L	C8	10775	C -3614413
57	8.3	8.1W	45 50.591	0.0024	13	-36 57 57.36	-0.095	13	0.26	50.557	15	35.7	56.00	21	35.7	F0	C8	10777	C -3713937
58	9.5	9.5W	45 55.303	0.0035	21	-30 51 42.64	0.001	21	0.44	55.240	22	31.8	42.66	21	31.8	F0	C7	11360	C -3117864
59	9.4	8.3W	45 57.621	0.0005	21	-33 12 3.21	-0.018	21	0.44	57.612	22	31.8	2.89	21	31.8	K2	C7	11361	C -3315211
60	9.3	8.4W	45 58.395	-0.0050	09	-36 40 16.69	0.001	09	0.22	58.467	15	35.7	16.71	21	35.7	G5	C8	10778	C -3614417
61	9.5	9.7W	45 59.901	-0.0007	21	-33 55 3.37	-0.034	21	0.44	59.913	22	31.8	3.99	21	31.8	A3	C7	11362	C -3414646
62	9.1	9.4W	46 1.107	0.0009	21	-32 11 58.02	-0.003	21	0.44	1.090	22	31.8	57.97	21	31.8	A2	C7	11363	C -3216221
63		7.3T	46 14.189	0.0004	13	-30 22 39.58	-0.019	12	0.69	14.168	17	99.8	38.59	18	97.8	K5	GC	29015	C -3018202
64	10.0	9.6W	46 24.204	-0.0022	13	-35 50 5.43	-0.044	13	0.26	24.236	15	35.7	4.80	21	35.7	F5 L	C8	10779	C -3614422
65	10.2	10.4W	46 31.769	0.0005	21	-31 49 39.46	-0.016	21	0.44	31.760	22	31.8	39.17	21	31.8	F2 L	C7	11365	C -3216224
66	8.9	7.9W	46 36.821	0.0031	18	-37 2 29.33	-0.002	18	0.32	36.777	15	35.7	29.30	21	35.7	K0	C8	10781	C -3713945
67	10.8	9.9W	46 40.478	-0.0025	21	-33 48 49.38	-0.032	21	0.44	40.523	22	31.8	48.79	21	31.8	G5 L	C7	11366	C -3414656
68	11.0	10.6W	46 41.215	0.0014	21	-30 17 57.19	-0.053	21	0.44	41.189	22	31.8	56.23	21	31.8	G2 L	C7	11367	C -3018207
69	10.0	8.8W	46 41.530	0.0020	21	-34 6 37.15	0.019	21	0.44	41.493	22	31.8	37.50	21	31.8	K2 L	C7	11368	C -3414655
70	10.2	10.3W	46 41.755	-0.0021	21	-31 54 43.80	-0.058	11	0.62	47.150	22	31.8	13.66	21	31.8	F2 L	C7	11369	C -3117873
71	8.2	8.3W	46 48.080	-0.0006	08	-39 53 44.13	-0.030	08	0.22	48.088	15	35.7	43.70	21	35.7	A2	C8	10782	C -4014051
72		5.0T	46 50.972	0.0008	04	-33 57 58.21	-0.022	04	0.22	50.937	09	04.3	57.13	09	00.8	K0	GC	29026K	C*-3414660
73	10.8	9.7W	46 51.051	0.0023	21	-30 16 3.77	0.047	21	0.44	51.008	22	31.8	4.63	21	31.8	K0 L	C7	11371	C -3018211
74	9.0	8.9W	46 55.697	0.0022	13	-35 44 44.73	-0.030	13	0.26	55.666	15	35.7	44.30	21	35.7	A5	C8	10783	C -3614425
75	10.0	8.7W	47 0.069	-0.0005	10	-38 25 38.87	0.023	10	0.23	0.077	15	35.7	39.21	21	35.7	K2	C8	10784	C -3814244
76	8.8	9.2W	47 0.974	0.0012	21	-33 12 4.42	-0.024	21	0.44	0.952	22	31.8	3.99	21	31.8	A0	C7	11372	C -3315222
77	10.2	10.2W	47 2.110	-0.0079	21	-33 45 50.77	0.018	21	0.44	2.253	22	31.8	51.10	21	31.8	F2 L	C7	11373	C -3414662
78	10.1	9.6W	47 6.190	0.0023	18	-38 49 55.11	-0.029	18	0.32	6.157	15	35.7	54.70	21	35.7	G2 L	C8	10785	C -3913986
79	10.4	9.5W	47 8.884	-0.0010	21	-33 10 8.89	-0.028	21	0.44	8.902	22	31.8	8.39	21	31.8	K2 L	C7	11374	C -3315226
80	9.1	9.0W	47 14.221	0.0034	21	-30 36 36.76	0.022	21	0.44	14.160	22	31.8	37.16	21	31.8	F5	C7	11375	C -3018214
81	10.0	9.7W	47 16.703	-0.0031	21	-30 17 23.88	0.058	21	0.44	16.759	22	31.8	24.93	21	31.8	G0	C7	11376	C -3018215
82	10.7	10.6W	47 19.789	-0.0055	21	-31 4 29.38	-0.045	21	0.44	19.890	22	31.8	28.56	21	31.8	F8 L	C7	11377	C -3117882
83	10.2	9.7W	47 28.411	-0.0003	13	-35 56 42.19	-0.048	13	0.26	28.416	15	35.7	41.51	21	35.7	G5 L	C8	10786	C -3614429
84	9.2	7.8W	47 32.655	-0.0009	13	-39 35 2.16	-0.025	13	0.26	32.668	15	35.7	1.80	21	35.7	K2	C8	10788	C -3913989
85		7.4T	47 34.324	0.0012	13	-31 54 43.80	-0.058	11	0.62	34.264	15	02.1	40.93	15	00.2	K2	GC	29046	C -3216235
86	8.6	8.4W	47 38.014	-0.0036	21	-31 27 0.22	0.008	21	0.44	38.080	22	31.8	0.36	21	31.8	F8	C7	11379	C -3117886
87		6.5T	47 42.306	-0.0012	14	-32 14 28.03	-0.058	12	0.69	42.363	17	01.0	25.10	18	99.2	K5	GC	29051	C -3216236
88		5.5T	47 48.386	-0.0010	06	-38 6 2.70	-0.019	06	0.29	48.427	12	08.6	1.87	12	06.1	K0	GC	29053	C -3814250
89	10.5	9.4W	47 55.142	0.0011	18	-37 15 0.53	-0.023	18	0.32	55.127	15	35.7	0.20	21	35.7	K1 L	C8	10790	C -3713958
90	8.1	8.0W	48 1.292	0.0011	18	-38 27 19.24	-0.031	18	0.32	1.276	15	35.7	18.80	21	35.7	F0	C8	10792	C -3814254
91	9.7	8.9W	48 4.504	-0.0002	13	-38 36 39.53	-0.009	13	0.26	4.507	15	35.7	39.40	21	35.7	K5	C8	10793	C -3814255
92	10.9	10.3W	48 23.769	-0.0033	21	-31 18 52.66	0.033	21	0.44	23.830	22	31.8	53.25	21	31.8	K0 L	C7	11381	C -3117897
93	10.2	10.0W	48 27.808	-0.0012	09	-36 29 5.14	-0.059	09	0.22	27.826	15	35.7	8.30	21	35.7	F2 L	C8	10794	C -3614438
94	10.5	9.0W	48 28.555	-0.0007	13	-35 2 56.31	-0.029	13	0.26	28.565	15	35.7	56.50	21	35.7	K5 L	C8	10795	C -3514399
95	9.1	9.2W	48 35.756	-0.0010	21	-34 31 44.82	0.032	21	0.44	35.774	22	31.8	45.40	21	31.8	A3	C7	11382	C -3414679
96	10.4	9.6W	48 44.047	-0.0003	21	-32 48 0.73	0.014	21	0.44	44.052	22	31.8	0.98	21	31.8	G5 L	C7	11384	C -3315241
97	9.7	9.7W	48 50.255	-0.0013	21	-30 16 42.97	0.009	21	0.44	50.279	22	31.8	43.13	21	31.8	A5	C7	11385	C -3018224
98	8.5	8.2W	48 51.634	0.0026	14	-38 21 10.82	-0.071	14	0.27	51.597	15	35.7	9.81	21	35.7	F5	C8	10796	C -3814267
99		6.0T	48 52.686	0.0012	09	-33 21 57.72	0.017	07	0.46	52.619	15	96.4	58.70	15	93.2	A2	GC	29080	C -3315245
00	9.4	7.8W	48 58.236	0.0018	21	-34 4 11.87	0.018	21	0.44	58.203	22	31.8	12.20	21	31.8	K5	C7	11387	C -3414682

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 20H DM NUMBER
1	9.5	9.4W	20 49 0.624	-0.0077	21	-34 39 0.61	0.005	21	0.44	0.764	22	31.6	0.71	21	31.8	F8	C7	11388	C -3414683
2	8.9	7.5W	49 11.004	0.0030	21	-30 53 8.67	-0.017	21	0.44	10.950	22	31.6	8.36	21	31.8	K2	C7	11389	C -3117905
3	8.9	8.2W	49 14.414	0.0002	21	-31 35 2.66	-0.088	21	0.44	14.410	22	31.6	1.07	21	31.8	K0	C7	11390	C -3117906
4	7.9	7.9W	49 23.935	0.0012	13	-39 5 44.51	0.013	13	0.26	23.917	15	35.7	44.70	21	35.7	A3	C8	10797	C -3914002
5	9.8	9.8W	49 27.726	-0.0015	21	-34 17 33.08	-0.032	21	0.44	27.753	22	31.6	32.50	21	31.8	A3	C7	11391	C -3414689
6		6.9T	49 29.371	-0.0005	12	-39 17 52.05	-0.001	12	0.68	29.395	18	99.3	51.99	19	96.6	K0	GC	29092	C#-3914003
7	9.5	8.6W	49 30.196	0.0020	21	-31 52 55.71	0.014	21	0.44	30.160	22	31.6	55.97	21	31.8	K2	C7	11392	C -3216262
8	9.7	9.4W	49 31.329	-0.0011	11	-35 22 4.08	0.001	11	0.24	31.345	15	35.7	4.10	21	35.7	F5	C8	10799	C -3514414
9	10.6	9.5W	49 37.313	0.0025	18	-38 51 39.49	-0.027	18	0.32	37.277	15	35.7	39.10	21	35.7	G5 L	C8	10800	C -3914004
10	9.8	9.7W	49 49.408	-0.0030	21	-32 56 47.76	0.018	21	0.44	49.462	22	31.8	48.09	21	31.8	F5 L	C7	11393	C -3315255
11	10.2	9.9W	49 51.893	-0.0004	21	-31 38 40.62	-0.025	21	0.44	51.900	22	31.6	40.17	21	31.8	G5 L	C7	11394	C -3117911
12		10.2W	49 54.224	-0.0010	21	-33 27 40.68	-0.033	21	0.44	54.242	22	31.6	40.09	21	31.8		C7	11395	C -3315256
13	10.7	9.9W	49 56.234	-0.0014	21	-31 14 31.76	0.022	21	0.44	56.260	22	31.6	32.16	21	31.8	K0 L	C7	11396	C#-3117912
14	9.5	9.0W	49 57.788	0.0037	13	-36 3 29.43	-0.030	13	0.26	57.736	15	35.7	29.00	21	35.7	G0	C8	10801	C -3614448
15		7.2T	50 4.155	0.0073	16	-36 42 9.98	-0.072	13	0.73	3.807	17	62.5	6.38	19	00.0	K2	GC	29115	C -3614449
16	10.8	10.4W	50 5.446	-0.0035	21	-30 30 34.22	0.013	21	0.44	5.510	22	31.8	34.45	21	31.8	K0 L	C7	11397	C -3018239
17	10.9	10.0W	50 6.258	0.0057	13	-36 43 14.27	0.023	13	0.26	6.177	15	35.7	14.60	21	35.7		C8	10803	C -3713967
18		7.3T	50 6.944	0.0065	12	-31 42 13.59	-0.063	12	0.64	6.616	18	99.9	10.41	17	99.2	G0	GC	29118	C -3117913
19	9.4	9.2W	50 9.567	0.0051	21	-34 51 2.95	-0.118	21	0.44	9.474	22	31.8	0.80	21	31.8	F8	C7	11399	C -3514421
20	11.0	9.7W	50 14.285	0.0009	21	-30 21 12.85	0.010	21	0.44	14.269	22	31.8	13.03	21	31.8	K2 L	C7	11400	C -3018242
21		6.5T	50 21.895	0.0029	12	-30 54 30.05	-0.006	11	0.61	21.743	15	97.9	29.71	14	96.9	K0	GC	29126	C -3117917
22		5.4T	50 25.337	0.0037	05	-39 59 54.57	-0.098	05	0.22	25.182	07	08.4	30.30	07	06.9	K2	GC	29127	C#-4014078
23		7.2T	50 30.287	0.0045	14	-36 23 6.56	-0.051	12	0.70	30.063	19	00.0	3.82	18	96.5	K5	GC	29128	C#-3614455
24	10.5	10.0W	50 33.565	0.0073	21	-32 55 41.31	-0.106	21	0.44	33.432	22	31.8	39.38	21	31.8	G5 L	C7	11402	C -3315623
25	9.6	8.9W	50 35.216	0.0035	07	-36 54 4.30	-0.140	07	0.21	35.167	15	35.7	2.30	21	35.7	K0	C8	10807	C -3713976
26	9.8	10.0W	50 42.297	-0.0013	13	-35 33 28.38	-0.006	13	0.26	42.316	15	35.7	28.30	21	35.7	A0	C8	10808	C -3514425
27	8.5	8.8W	50 51.239	0.0017	13	-35 12 48.76	-0.046	13	0.26	51.215	15	35.7	48.10	21	35.7	A0	C8	10810	C -3514429
28	10.2	9.7W	50 52.372	0.0005	13	-35 13 42.74	-0.059	13	0.26	52.365	15	35.7	41.90	21	35.7		C8	10811	C -3514430
29	10.7	10.4W	51 4.038	-0.0006	18	-38 7 2.20	-0.035	18	0.32	4.047	15	35.7	1.70	21	35.7	G0 L	C8	10812	C -3814286
30	10.0	9.1W	51 6.396	0.0024	21	-33 2 29.20	-0.012	21	0.44	6.352	22	31.8	28.99	21	31.8	K0	C7	11403	C -3315270
31	10.6		51 8.368	0.0002	18	-35 59 51.91	-0.022	18	0.32	8.366	15	35.7	51.60	21	35.7	F5	C8	10813	C -3614460
32	9.9	9.2W	51 10.101	0.0017	21	-32 9 41.56	0.000	21	0.44	10.070	22	31.8	41.57	21	31.8	K0	C7	11404	C -3216275
33	11.5	10.6W	51 13.826	0.0037	21	-30 28 10.47	-0.057	21	0.44	13.758	22	31.8	9.43	21	31.8		C7	11405	C -3018256
34	10.1	9.8W	51 15.453	-0.0005	21	-32 54 4.12	-0.090	21	0.44	15.462	22	31.8	2.49	21	31.8	G5	C7	11406	C -3315272
35	9.2	8.9W	51 24.586	0.0021	18	-37 5 5.38	-0.041	18	0.32	24.557	15	35.7	4.80	21	35.7	F8	C8	10814	C -3713983
36	10.1	8.5W	51 36.760	0.0004	13	-35 4 15.68	-0.020	13	0.26	36.755	15	35.7	15.41	21	35.7	K5	C8	10815	C -3514438
37	10.3	10.2W	51 49.070	-0.0018	21	-33 1 8.65	-0.086	21	0.44	49.102	22	31.8	7.08	21	31.8	F5 L	C7	11407	C -3315279
38	10.6	10.4W	52 0.580	0.0075	21	-34 9 36.77	-0.065	21	0.44	0.443	22	31.8	35.59	21	31.8	G5 L	C7	11408	C -3414722
39	10.4	10.3W	52 8.928	-0.0108	21	-34 41 20.17	-0.009	21	0.44	9.124	22	31.8	20.00	21	31.8	F8 L	C7	11410	C -3414726
40	9.8	9.5W	52 10.816	-0.0014	13	-37 16 48.01	-0.008	13	0.26	10.837	15	35.7	47.90	21	35.7	F2	C8	10816	C -3713989
41	8.7	8.3W	52 11.571	0.0012	21	-30 19 53.23	-0.044	21	0.44	11.549	22	31.8	52.43	21	31.8	G0	C7	11411	C -3018268
42	10.2	9.9W	52 27.822	-0.0031	18	-37 35 48.14	0.011	18	0.32	27.866	15	35.7	48.31	21	35.7	F8 L	C8	10817	C -3713991
43	8.8	7.8W	52 35.135	0.0025	21	-31 5 14.36	-0.033	21	0.44	35.090	22	31.8	13.76	21	31.8	K2	C7	11412	C -3117945
44	10.9	10.4W	52 41.820	0.0004	21	-33 31 19.51	-0.023	21	0.44	41.813	22	31.8	19.09	21	31.8	G5 L	C7	11413	C -3315288
45	9.0	9.2W	52 42.301	-0.0010	21	-30 19 0.53	0.011	21	0.44	42.318	22	31.8	0.73	21	31.8	A5	C7	11414	C -3018269
46	10.2	9.9W	52 43.778	-0.0012	18	-36 13 20.63	-0.023	18	0.32	43.796	15	35.7	20.30	21	35.7	F5 L	C8	10818	C -3614479
47		7.6T	52 46.032	0.0033	07	-31 44 42.06	-0.032	07	0.34	45.880	14	04.4	40.61	14	04.1	G5	GC	29191	C -3216296
48	9.7	9.7W	52 46.829	0.0030	21	-34 35 15.49	-0.016	21	0.44	46.774	22	31.8	15.20	21	31.8	F5	C7	11416	C -3414734
49	11.2		52 49.972	-0.0045	23	-38 24 36.30	0.007	23	0.38	50.036	15	35.7	36.41	21	35.7	G0 L	C8	10819	C -3814300
50		7.6T	52 50.796	0.0038	10	-31 41 51.01	0.006	10	0.55	50.593	17	97.2	51.35	17	97.3	A0	GC	29192	C -3117943
51	9.5	8.8W	20 52 51.691	0.0010	21	-34 11 9.77	-0.004	21	0.44	51.673	22	31.8	9.70	21	31.8	K0	C7	11418	C -3414736
52	11.0	10.6W	52 52.309	-0.0006	21	-32 4 35.77	-0.171	21	0.44	52.320	22	31.8	32.67	21	31.8	G5 L	C7	11419	C -3216297
53	9.0	8.6W	53 8.607	-0.0013	21	-31 57 31.02	-0.025	21	0.44	8.630	22	31.8	30.57	21	31.8	F8	C7	11420	C -3216302
54	9.8	8.3W	53 12.915	0.0040	21	-32 58 6.59	-0.017	21	0.44	12.842	22	31.8	6.29	21	31.8	K2	C7	11421	C -3315292
55	10.4	9.6W	53 14.483	0.0054	13	-36 16 37.31	-0.036	13	0.26	14.496	15	35.7	36.80	21	35.7	K1 L	C8	10820	C -3614486
56	10.1	10.1W	53 15.655	0.0019	21	-32 27 45.03	0.013	21	0.44	15.620	22	31.8	45.27	21	31.8	F8	C7	11422	C -3216305
57	10.6	10.6W	53 16.066	-0.0057	21	-30 46 59.01	0.014	21	0.44	16.170	22	31.8	59.26	21	31.8	G2 L	C7	11423	C -3117946
58	9.4	9.4W	53 17.168	-0.0019	21	-33 29 44.60	-0.001	21	0.44	17.202	22	31.8	44.59	21	31.8	F5	C7	11424	C -3315293
59	8.7	8.5W	53 17.308	0.0022	18	-37 31 41.33	-0.058	18	0.32	17.276	15	35.7	40.50	21	35.7	F5	C8	10821	C -3713997
60	9.7	9.4W	53 26.615	-0.0032	21	-33 51 15.84	-0.019	21	0.44	26.673	22	31.8	15.49	21	31.8	F8	C7	11425	C -3414742
61	9.7	9.8W	53 29.637	-0.0053	21	-32 13 44.41	0.025	21	0.44	29.540	22	31.8	44.87	21	31.8	F5	C7	11426	C -3216306
62	9.9	10.3W	53 37.996	-0.0008	18	-38 39 55.65	0.003	18	0.32	38.007	15	35.7	55.70	21	35.7	A0	C8	10822	C -3814304
63	11.2	10.3W	53 39.352	0.0029	21	-31 14 20.71	-0.019	21	0.44	39.300	22	31.8	20.36	21	31.8	K2 L	C7	11427	C -3117951
64	10.6	9.3W	53 39.776	0.0009	21	-31 53 39.52	-0.058	21	0.44	39.760	22	31.8	38.47	21	31.8	K2 L	C7	11428	C -3216309
65	10.5	10.9W	53 44.549	-0.0000	21	-30 32 41.14	-0.010	21	0.44	44.550	22	31.8	40.96	21	31.8	A0 L	C7	11429	C -3018283
66	7.6	7.4W	53 45.761	-0.0062	21	-34 11 30.17	-0.010	21	0.44	45.873	22	31.8	29.99	21	31.8	F5	C7	11430	C -3414746
67	11.2	10.6W	53 46.298	-0.0019	21	-32 41 8.98	-0.044	21	0.44	46.332	22	31.8	8.19	21	31.8	G5 L	C7	11431	C -3216315
68	10.5	9.3W	53 47.365	0.0001	21	-33 48 29.81	0.032	21	0.44	47.363	22	31.8	30.39	21	31.8	K2	C7	11432	C -3414749
69	9.8	9.6W	53 55.770	-0.0073	21	-34 17 49.98	-0.049	21	0.44	55.903	22	31.8	49.10	21	31.8	F8	C7	11433	C -3414751
70	10.5	9.8W	53 58.325	-0.0007	13	-35 37 9.14	-0.003	13	0.26	58.336	15	35.7	9.10	21	35.7	G8 L	C8	10823	C -3514458
71	10.1	9.0W	53 59.296	-0.0000	13	-38 9 21.37	-0.005	13	0.26	59.296	15	35.7	21.30	21	35.7	K0	C8	10824	C -3814310
72	10.4	10.1W	53 59.994	0.0088	21	-34 50 32.67	-0.064	21	0.44	59.834	22	31.8	31.50	21	31.8	G2 L	C7	11434	C -3514459
73	10.1	9.8W	54 4.247	0.0032	21	-30 22 18.14	0.016	21	0.44	4.189	22	31.8	18.43	21	31.8	K0	C7	11435	C -3018266
74	11.5	10.3W	54 9.704	-0.0014	21	-30 0 31.13	0.022	21	0.44	9.729	22	31.8	31.53	21	31.8		C7	11436	C -3018287
75	10.2	10.2W	54 11.224	0.0008	21	-30 6 56.94	0.016	21	0.44	11.208	22	31.8	57.23	21	31.8	G5	C7	11437	C -3018288
76	10.4	9.5W	54 27.673	-0.0002	18	-37 56 26.61	-0.008	18	0.32	27.676	15	35.7	26.51	21	35.7	G8 L	C8	10828	C -3814313
77	10.3	10.2W	54 38.258	0.0025	21	-32 59 35.75	-0.009	21	0.44	38.212	22	31.8	35.59	21	31.8	G2 L	C7	11438	C -3315305
78	10.0	9.8W	54 40.224	-0.0014	21	-31 0 59.29	0.026	21	0.44	40.250	22	31.8	59.75	21	31.8	K0	C7	11439	C -3117963
79	10.1	9.9W	54 44.949	0.0030	13	-36 38 49.17	-0.026	13	0.26	44.907	15	35.7	48.80	21	35.7	G0	C8	10833	C -3614506
80	9.3	9.1W	54 50.554	0.0028	21	-33 50 31.36	-0.119	21	0.44	50.503	22	31.8	29.19	21	31.8	G0	C7	11440	C -3414759
81	10.8	10.4W	54 53.714	0.0019	21	-30 35 44.03	0.002	21	0.44	53.680	22	31.8	44.06	21	31.8	G5 L	C7	11441	C -3018297
82	9.8	8.8W	54 56.757	-0.0000	13	-39 11 0.91	-0.001	13	0.26	56.757	15	35.7	0.90	21	35.7	K0	C8	10835	C -3914044
83	10.0	9.7W	55 0.555	0.0019	13	-39 14 54.74	-0.024	13	0.26	0.527	15	35.7	54.40	21	35.7	F5 L	C8	10836	C -3914045
84	9.9	9.7W	55 13.351	0.0012	21	-30 48 44.81	-0.058	21	0.44	13.280	22	31.8	43.75	21	31.8	G0	C7	11442	C -3117970
85	9.5	9.2W	55 13.394	0.0026	18	-37 46 7.77	0.009	18	0.32	13.356	15	35.7	7.90	21	35.7	A5	C8	10838	C -3814320
86	10.8	10.0W	55 23.556	-0.0015	21	-33 53 10.78	-0.005	21	0.44	23.582	22	31.8	10.70	21	31.8	K2 L	C7	11444	C -3414768
87		8.3T	55 26.072	0.0047	12	-31 53 57.15	-0.040	10	0.54	25.852	14	03.6	55.27	14	02.5	F5	GC	29255	C -3216339
88	10.1	8.9W	55 26.754	0.0019	13	-37 6 42.26	-0.004	13	0.26	26.727	15	35.7	42.20	21	35.7	K0	C8	10840	C -3714019
89	10.6	10.4W	55 38.284	0.0048	13	-35 53 51.86	-0.032	13	0.26	38.216	15	35.7	51.40	21	35.7	F8	C8	10843	C -3614513
90	10.8	10.1W	55 40.624	-0.0036	13	-35 51 5.94	-0.010	13	0.26	40.676	15	35.7	5.81	21	35.7	K1 L	C8	10844	C -3614514
91	8.7	8.5W	55 55.475	0.0042	21	-31 50 19.47	0.011	21	0.43	55.400	22	32.2	19.67	21	32.2	F2	C7	11446	C -3216333
92	10.5	10.4W	55 56.772	-0.0079	18	-34 54 14.56	-0.024	18	0.32	56.885	15	35.7	14.21	21	35.7	G0 L	C8	10845	C -3514482
93	9.8	9.4W	56 3.754	-0.0023	18	-38 31 38.03	-0.016	18	0.32	3.787	15	35.7	37.80	21	35.7	F8	C8	10846	C -3814328
94	11.3	10.2W	56 7.793	-0.0015	21	-30 3 44.33	0.011	21	0.43	7.819	22	32.2	44.53	21	32.2	G2 L	C7	11447	C -3018311
95	10.0	9.4W	56 13.021	0.0023	21	-31 46 18.63	-0.065	21	0.43	12.981	22	32.2	17.47	21	32.2	G0	C7	11448	C -3216335
96	9.5	9.6W	56 20.603	-0.0001	21	-34 30 45.03	-0.007	21	0.43	20.604	22	32.2	44.91	21	32.2	A5	C7	11449	C -3414777
97	8.1	7.3W	56 23.088	0.0042	21	-33 48 34.99	-0.174	21	0.43	23.013	22	32.2	31.90	21	32.2	G0	C7	11450	C -3414779
98	8.2	7.4W	56 23.257	0.0027	21	-30 42 22.94	-0.083	21	0.43	23.210	22	32.2	21.46	21	32.2	G5	C7	11451	C -3018315
99	10.2	9.9W	56 26.883	-0.0004	21	-32 12 37.28	-0.023	21	0.43	26.891	22	32.2	36.87	21	32.2	A2	C7	11452	C -3216341
00	10.4	9.2W	56 27.481	-0.0019	21	-34 37 18.71	-0.023	21	0.43	27.514	22	32.2	18.30	21	32.2	K2	C7	11453	C -3414782

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EPOCH 1950 — ORIGINAL EPOCH — SOURCE

-30° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.9	9.4W	20 56 30.568	-0.0001	21	-31 28 51.05	-0.123	21	0.43	30.570	22	32.2	48.86	21	32.2	G5		C7	11454	C -3117984
2	9.8	9.5W	56 35.951	0.0012	21	-30 45 53.58	-0.018	21	0.43	35.930	22	32.2	53.26	21	32.2	G5		C7	11455	C -3117985
3	9.8	9.5W	56 38.303	-0.0044	18	-37 13 37.03	-0.030	18	0.32	38.367	15	35.7	36.60	21	35.7	G0		C8	10847	C -3714028
4	10.5	9.5W	56 39.016	-0.0069	13	-35 3 44.72	-0.057	13	0.26	39.115	15	35.7	43.90	21	35.7	K0	L	C8	10848	C -3514490
5	10.8	9.7W	56 40.359	0.0011	21	-30 58 43.10	-0.019	21	0.43	40.340	22	32.2	42.76	21	32.2	K0	L	C7	11456	C -3117986
6	9.0	8.7W	56 45.620	0.0039	13	-35 1 42.13	-0.072	13	0.26	45.565	15	35.7	41.10	21	35.7	G5		C8	10850	C -3514491
7	10.9	10.5W	56 49.793	0.0008	21	-30 28 55.82	-0.023	21	0.43	49.779	22	32.2	56.23	21	32.2	F5	L	C7	11457	C -3018317
8		6.1T	56 50.595	0.0082	07	-36 19 27.03	-0.040	08	0.33	50.252	09	08.0	25.37	10	08.8	F0		GC	29290	C -3614530
9	10.1	9.8W	56 53.807	-0.0041	21	-31 35 5.79	-0.049	21	0.43	53.881	22	32.2	6.67	21	32.2	G0	L	C7	11458	C -3117992
10	10.6	9.7W	56 54.244	-0.0031	21	-31 21 23.90	-0.002	21	0.43	54.300	22	32.2	23.86	21	32.2	G5	L	C7	11459	C -3117993
11	10.5	10.0W	56 59.050	0.0012	21	-30 24 59.61	-0.010	21	0.43	59.028	22	32.2	59.43	21	32.2	G0	L	C7	11460	C -3018319
12	10.1	9.1W	57 1.947	0.0029	13	-36 18 14.71	-0.050	13	0.26	1.906	15	35.7	14.00	21	35.7	G5		C8	10853	C -3614532
13	9.5	9.2W	57 2.709	-0.0073	21	-30 46 42.38	-0.007	21	0.43	2.840	22	32.2	42.26	21	32.2	F8		C7	11461	C -3117995
14	10.5	9.5W	57 3.407	0.0043	21	-31 59 25.38	-0.079	21	0.43	3.331	22	32.2	23.97	21	32.2	K2		C7	11462	C -3216348
15		7.0T	57 6.436	0.0025	12	-34 25 47.33	-0.001	10	0.55	6.317	17	02.1	47.29	17	00.6	A0		GC	29296	C -3414788
16	10.0	9.6W	57 7.945	0.0013	13	-36 30 16.90	-0.056	13	0.26	7.927	15	35.7	16.11	21	35.7	G0		C8	10855	C -3614534
17		6.7T	57 32.705	0.0053	14	-35 29 13.61	-0.059	12	0.68	32.450	17	01.9	10.65	18	00.0	K0		GC	29305K	C -3514501
18	11.2		57 32.848	-0.0055	23	-38 15 45.94	-0.010	23	0.38	32.927	15	35.7	45.80	21	35.7	G0	L	C8	10857	C -3814338
19	10.5	10.1W	57 34.568	0.0020	21	-33 27 5.49	-0.051	21	0.43	34.532	22	32.2	4.59	21	32.2	G5	L	C7	11464	C -3315336
20	9.3	9.1W	57 40.562	-0.0102	21	-34 7 45.03	-0.064	21	0.43	40.743	22	32.2	43.89	21	32.2	G0		C7	11465	C -3414797
21		8.6T	57 41.554	0.0014	18	-36 43 58.59	-0.028	15	0.82	41.488	22	04.0	59.96	21	00.9	F8		GC	29311	C -3714037
22	10.7	9.8W	57 42.868	-0.0018	21	-31 31 6.78	-0.057	21	0.43	42.901	22	32.2	5.79	21	32.2	K2	L	C7	11466	C -3118000
23		6.7T	57 44.602	0.0033	13	-36 15 4.41	-0.064	12	0.67	44.436	19	99.3	7.82	19	96.6	K0		GC	29312	C -3614542
24	10.5	9.0W	57 48.178	0.0016	21	-31 25 45.87	-0.017	21	0.43	48.150	22	32.2	45.56	21	32.2	K5		C7	11467	C -3118001
25	11.1	10.1W	57 48.995	-0.0036	21	-30 21 46.83	0.017	21	0.43	49.059	22	32.2	47.13	21	32.2	G5	L	C7	11468	C -3018333
26	10.3	10.5W	57 49.462	-0.0024	18	-36 49 30.24	-0.017	18	0.32	49.497	15	35.7	30.00	21	35.7	A8	L	C8	10860	C -3714040
27	9.2	8.3W	57 49.513	0.0034	21	-33 9 21.84	-0.065	21	0.43	49.452	22	32.2	20.69	21	32.2	G5		C7	11469	C -3315338
28	10.3	9.0W	57 50.412	0.0011	21	-32 32 39.43	-0.059	21	0.43	50.392	22	32.2	38.39	21	32.2	K0		C7	11470	C -3216351
29	10.5	10.1W	57 52.313	-0.0051	21	-34 20 2.83	0.037	21	0.43	52.403	22	32.2	3.49	21	32.2	G0	L	C7	11471	C -3414798
30		7.8T	57 52.855	0.0024	15	-38 56 4.83	-0.095	13	0.72	52.737	18	01.4	0.02	17	99.4	K2		GC	29314	C -3914067
31	9.8	9.5W	57 53.456	0.0004	21	-30 57 14.18	-0.046	21	0.43	53.450	22	32.2	13.35	21	32.2	G0		C7	11472	C -3118004
32	10.7	9.8W	57 53.513	-0.0026	21	-31 28 51.35	-0.034	21	0.43	53.560	22	32.2	51.95	21	32.2	K0	L	C7	11473	C -3118003
33	8.4	8.0W	57 57.720	0.0053	13	-35 9 32.89	-0.083	13	0.26	57.645	15	35.7	31.70	21	35.7	G0		C8	10862	C -3514506
34	9.4	9.4W	58 0.291	0.0061	21	-32 52 56.26	-0.038	21	0.43	0.182	22	32.2	55.58	21	32.2	A2		C7	11474	C -3315340
35		7.5T	58 6.870	-0.0131	14	-35 22 48.29	-0.077	12	0.71	7.525	19	00.0	44.19	19	96.8	G0		GC	29326	C -3514509
36		4.7H	58 13.731	-0.0000	02	-32 27 16.32	0.008	02	0.09	13.731	05	13.7	16.59	04	15.2	G5		F4	1550	C -3216353
37	10.4	9.0W	58 14.896	-0.0004	21	-33 44 27.55	-0.031	21	0.43	14.903	22	32.2	27.00	21	32.2	K2		C7	11478	C -3414802
38		6.8T	58 21.572	0.0016	14	-33 5 32.04	0.009	12	0.69	21.491	19	00.8	32.51	18	99.5	A0		GC	29335	C*-3315341
39	9.8	9.5W	58 30.897	-0.0001	21	-31 26 27.60	0.009	21	0.43	30.900	22	32.2	27.75	21	32.2	G0		C7	11480	C -3118012
40	10.8	9.9W	58 36.835	-0.0008	21	-30 54 31.95	-0.005	21	0.43	36.850	22	32.2	31.86	21	32.2	K0	L	C7	11481	C -3118015
41	10.1	9.0W	58 38.420	0.0045	13	-35 40 5.81	-0.085	13	0.26	38.356	15	35.7	4.60	21	35.7	K2		C8	10864	C -3514515
42	11.0	10.1W	58 38.779	-0.0017	21	-30 41 16.48	-0.001	21	0.43	38.810	22	32.2	16.46	21	32.2	G5	L	C7	11482	C -3018342
43		7.1T	58 41.735	0.0019	11	-36 46 15.14	0.019	09	0.55	41.637	18	99.5	16.15	15	96.5	K2		GC	29342	C*-3714049
44	10.4	10.2W	58 43.629	0.0003	21	-34 10 54.06	0.058	21	0.43	43.623	22	32.2	55.10	21	32.2	F2	L	C7	11483	C -3414804
45	9.9	9.7W	58 45.899	0.0009	18	-38 4 28.66	0.010	18	0.32	45.886	15	35.7	28.80	21	35.7	F8		C8	10866	C -3814344
46	8.9	8.5W	58 47.764	-0.0039	21	-33 40 56.37	-0.007	21	0.43	47.833	22	32.2	56.50	21	32.2	F8		C7	11484	C -3315345
47	10.7	9.8W	58 53.214	0.0050	21	-34 50 58.60	-0.039	21	0.43	53.124	22	32.2	57.91	21	32.2	G5	L	C7	11485	C -3514519
48	10.5	10.1W	58 54.344	0.0025	21	-31 7 43.11	0.033	21	0.43	54.300	22	32.2	43.65	21	32.2	F8	L	C7	11486	C -3118018
49	10.7	9.1W	58 54.501	0.0035	21	-30 28 56.34	0.033	21	0.43	54.438	22	32.2	56.93	21	32.2	K5		C7	11487	C -3018345
50	8.9	8.6W	59 3.032	0.0089	21	-34 14 56.10	-0.079	21	0.43	2.873	22	32.2	54.69	21	32.2	F5		C7	11488	C -3414810
51	10.8	10.3W	20 59 7.274	0.0031	21	-30 47 42.13	0.002	21	0.43	7.220	22	32.2	42.16	21	32.2	G5	L	C7	11489	C -3118020
52	10.4	10.3W	59 8.836	0.0001	13	-35 10 33.81	-0.029	13	0.26	8.835	15	35.7	33.40	21	35.7	F2	L	C8	10869	C -3514521
53		5.9T	59 15.140	0.0138	09	-38 43 33.98	-0.156	08	0.50	14.400	15	96.5	25.13	15	93.3	K0		GC	29351	C -3914079
54	10.0	9.0W	59 27.813	0.0018	13	-39 28 42.34	-0.038	13	0.26	27.787	15	35.7	41.80	21	35.7	K0		C8	10872	C -3914082
55	10.0	10.0W	59 30.884	-0.0011	21	-33 59 9.55	0.036	21	0.43	30.903	22	32.2	10.19	21	32.2	A3		C7	11490	C -3414815
56	9.5	9.4W	59 33.672	0.0011	18	-37 23 12.58	0.029	18	0.32	33.657	15	35.7	13.00	21	35.7	F2		C8	10873	C -3714060
57	10.5	9.7W	59 34.209	0.0080	13	-35 0 29.56	-0.235	13	0.26	34.095	15	35.7	26.20	21	35.7	K0		C8	10874	C -3514523
58	9.6	8.5W	59 34.385	0.0035	13	-35 30 44.70	-0.049	13	0.26	34.336	15	35.7	44.00	21	35.7	K0		C8	10875	C -3514524
59	9.0	8.8W	59 36.121	-0.0010	21	-30 58 46.09	0.015	21	0.43	36.140	22	32.2	46.35	21	32.2	F5		C7	11491	C -3118025
60	10.6	9.8W	59 38.013	0.0017	21	-33 6 9.80	-0.018	21	0.43	37.982	22	32.2	9.49	21	32.2	G5	L	C7	11492	C -3315353
61	9.0	9.0W	59 39.975	-0.0014	07	-36 0 14.67	-0.019	07	0.21	39.996	15	35.7	14.40	21	35.7	A2		C8	10876	C -3614558
62	10.3	9.9W	59 40.748	-0.0037	21	-34 20 20.09	0.006	21	0.43	40.813	22	32.2	20.20	21	32.2	F8		C7	11493	C -3414817
63		7.2T	59 44.948	-0.0076	17	-39 17 30.44	-0.157	13	0.77	45.305	21	02.8	22.48	19	99.3	G0		GC	29362	C -3914087
64	10.7	9.4W	59 45.615	0.0012	21	-33 33 4.88	0.023	21	0.43	45.593	22	32.2	5.29	21	32.2	K2		C7	11494	C -3315354
65	10.8	10.3W	59 45.791	-0.0044	21	-31 6 43.98	0.044	21	0.43	45.870	22	32.2	44.76	21	32.2	G0	L	C7	11495	C -3118028
66		5.4H	59 46.618	-0.0024	03	-38 49 41.15	-0.110	02	0.11	46.706	05	13.9	36.99	04	12.3	F0		F4	790	C -3914089
67	8.6	8.3W	59 54.139	-0.0026	21	-32 47 9.04	0.008	21	0.43	54.092	22	32.2	9.19	21	32.2	F5		C7	11496	C -3315356
68	9.6	9.3W	21 0 0.296	-0.0025	21	-31 40 31.91	-0.008	21	0.43	0.341	22	32.2	31.77	21	32.2	G0		C7	11497	C -3118031
69	10.5	10.1W	0 4.978	-0.0006	21	-31 10 51.55	-0.001	21	0.43	4.988	22	32.2	51.53	21	32.2	G2	L	C7	11498	C -3018354
70	10.8	9.7W	0 9.189	0.0031	21	-33 58 6.45	-0.054	21	0.43	9.133	22	32.2	5.49	21	32.2	K2		C7	11499	C -3414823
71	15.6	10.3W	0 13.628	-0.0012	21	-30 32 25.12	-0.054	21	0.43	13.650	22	32.2	24.16	21	32.2	G0	L	C7	11500	C -3018356
72	9.8	9.2W	0 23.531	0.0058	06	-39 53 7.62	-0.106	06	0.20	23.448	15	35.7	6.10	21	35.7	G0		C8	10884	C -4014146
73	9.6	9.3W	0 28.780	-0.0000	21	-31 46 41.12	-0.087	21	0.43	28.780	22	32.2	39.57	21	32.2	G0		C7	11501	C -3216368
74	11.2	9.6W	0 38.430	-0.0058	21	-33 51 24.09	0.034	21	0.43	38.533	22	32.2	24.70	21	32.2			C7	11502	C -3414828
75	10.3	9.4W	0 39.445	0.0003	21	-30 55 10.30	-0.019	21	0.43	39.440	22	32.2	9.96	21	32.2	K5		C7	11503	C -3118038
76	10.0	9.8W	0 42.250	-0.0018	18	-38 26 33.28	-0.020	18	0.32	42.276	15	35.7	33.01	21	35.7	F8		C8	10885	C -3814360
77	11.5	10.4W	0 43.219	-0.0037	21	-34 37 44.68	0.046	21	0.43	43.284	22	32.2	45.50	21	32.2	G5	L	C7	11504	C -3414829
78	9.3	9.0W	0 46.592	0.0000	21	-32 42 42.55	0.030	21	0.43	46.592	22	32.2	43.09	21	32.2	F8		C7	11505	C -3315361
79	10.7	10.3W	0 55.398	0.0031	21	-33 28 52.86	-0.066	21	0.43	55.342	22	32.2	51.69	21	32.2	G0		C7	11506	C -3315364
80	11.3	9.8W	0 57.997	0.0043	13	-36 9 9.84	-0.066	13	0.26	57.936	15	35.7	8.90	21	35.7	K1	L	C8	10886	C -3614575
81	9.0	8.6W	0 59.129	-0.0054	07	-37 43 40.11	0.006	07	0.21	59.207	15	35.7	40.21	21	35.7	G0		C8	10887	C -3814364
82	9.6	9.2W	1 1.824	0.0055	09	-36 0 0.84	-0.101	09	0.22	1.746	15	35.7	59.50	21	35.7	F5		C8	10888	C -3614577
83	10.5	9.7W	1 6.330	0.0004	13	-35 0 30.62	-0.012	13	0.26	6.325	15	35.7	30.80	21	35.7	K0		C8	10889	C -3514547
84	9.3	9.3W	1 7.681	0.0024	06	-36 34 2.76	-0.025	06	0.20	7.647	15	35.7	2.40	21	35.7	A5		C8	10890	C -3614581
85	11.2	9.9W	1 14.221	0.0018	21	-30 5 25.23	0.017	21	0.43	14.189	22	32.2	25.53	21	32.2	K0	L	C7	11507	C -3018365
86	10.0	9.0W	1 21.515	0.0028	06	-36 14 12.43	-0.016	06	0.20	21.476	15	35.7	12.20	21	35.7	K0		C8	10892	C -3614584
87	10.0	9.8W	1 24.413	0.0005	21	-34 42 22.81	-0.045	21	0.43	24.404	22	32.2	22.00	21	32.2	F8		C7	11508	C -3514550
88	9.8	9.5W	1 28.360	0.0027	21	-32 51 12.15	-0.060	21	0.43	28.312	22	32.2	11.09	21	32.2	G0		C7	11509	C -3315374
89	10.8	9.9W	1 31.444	-0.0017	21	-34 33 34.80	-0.011	21	0.43	31.474	22	32.2	34.60	21	32.2	K0	L	C7	11510	C -3414833
90	10.7	9.6W	1 56.991	-0.0028	21	-31 44 28.58	-0.012	21	0.43	57.041	22	32.2	28.37	21	32.2	K0		C7	11511	C -3216384
91		6.9T	1 59.126	0.0072	11	-37 25 48.00	-0.091	11	0.58	58.764	15	00.0	43.29	15	98.3	K0		GC	29426	C -3714086
92	8.2	7.7W	2 1.227	-0.0020	21	-33 1 34.04	-0.020	21	0.43	1.262	22	32.2	33.69	21	32.2	G0		C7	11512	C -3315379
93		8.1T	2 8.036	-0.0009	13	-32 32 41.23	0.018	08	0.56	8.077	17	01.6	42.15	15	99.6	A2		GC	29432K	C -3216386
94	10.5	9.8W	2 17.558	-0.0007	21	-31 33 44.85	-0.106	21	0.43	17.571	22	32.2	42.97	21	32.2	K0		C7	11514	C -3118055
95	9.5	9.2W	2 26.446	-0.0019	21	-30 30 26.14	-0.066	21	0.43	26.480	22	32.2	24.95	21	32.2	F8		C7	11515	C -3018374
96	9.0	8.5W	2 26.942	0.0046	13	-36 39 57.97	-0.026	13	0.26	26.877	15	35.7	57.60	21	35.7	G0		C8	10895	C -3614591
97	9.0	9.1W	2 27.540	0.0031	13	-35 54 8.44	-0.052	13	0.26	27.496	15	35.7	7.70	21	35.7	A2		C8	10896	C -3614592
98	10.1	8.7W	2 30.295	0.0006	13	-36 33 17.17	-0.019	13	0.26	30.287	15	35.7	16.90	21	35.7	K5		C8	10898	C -3614593
99	10.1	9.3W	2 40.152	0.0004	08	-37 42 34.17	-0.012	08	0.22	40.147	15	35.7	34.00	21	35.7	G5		C8	10899	C -3814372
00	9.7	8.6W	2 43.248	-0.0031	21	-33 40 51.98	-0.005	21	0.43	43.303	22	32.2	51.89	21	32.2	G0		C7	11516	C -3315382

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	CAT.	SOURCE STAR NUMBER
1	11.0	9.7W	21 2 44.504	0.0006	21	-34 21 28.51	-0.040	21	0.43	44.493	22	32.2	27.79	21	32.2	G5 L	C7	11517
2	10.5	9.3W	2 44.909	0.0031	21	-33 37 28.19	-0.028	21	0.43	44.853	22	32.2	27.69	21	32.2	G5 L	C7	11518
3	11.0	10.4W	2 47.645	0.0009	21	-30 59 47.85	-0.061	21	0.43	47.630	22	32.2	46.75	21	32.2	G2 L	C7	11519
4		7.8T	2 51.260	-0.0046	13	-36 27 35.57	-0.020	12	0.66	51.488	18	00.6	34.55	18	99.6	F5	GC	29446
5	9.8	8.3W	2 54.452	0.0039	21	-33 2 44.50	-0.001	21	0.43	54.382	22	32.2	44.49	21	32.2	K2	C7	11520
6	10.8	10.2W	2 55.736	0.0024	21	-34 0 12.49	-0.056	21	0.43	55.693	22	32.2	11.49	21	32.2	G5 L	C7	11521
7	9.5	9.2W	2 56.832	0.0024	21	-30 5 0.73	-0.017	21	0.43	56.789	22	32.2	0.43	21	32.2	F8	C7	11522
8	10.1	9.6W	2 56.996	-0.0000	18	-38 25 22.89	-0.083	18	0.32	56.997	15	35.7	21.70	21	35.7	G0	C8	10901
9		5.7T	3 0.214	0.0026	06	-30 19 29.77	-0.069	05	0.29	0.095	12	04.6	26.48	12	02.3	K0	GC	29453
10	10.7	9.8W	3 5.533	0.0095	21	-33 48 57.75	-0.003	21	0.43	5.363	22	32.2	57.70	21	32.2	G5	C7	11524
11	9.6	8.5W	3 10.686	-0.0002	21	-31 14 12.99	-0.024	21	0.43	10.690	22	32.2	12.56	21	32.2	K0	C7	11525
12	10.9	10.7W	3 10.781	0.0018	21	-30 56 6.70	0.037	21	0.43	10.750	22	32.2	7.36	21	32.2	G0 L	C7	11526
13		7.4T	3 11.910	-0.0038	17	-37 47 19.25	-0.006	13	0.77	12.090	18	02.2	18.94	18	99.1	F0	GC	29462
14	10.3	8.9W	3 15.050	-0.0032	18	-37 47 46.21	0.006	18	0.32	15.086	15	35.7	46.30	21	35.7	K2 L	C8	10903
15		6.9T	3 17.970	0.0038	13	-34 49 46.99	-0.005	12	0.64	17.795	15	03.1	46.75	15	01.5	K0	GC	29463
16		5.3T	3 21.537	0.0000	05	-32 32 34.02	0.013	05	0.21	21.535	09	10.5	34.57	09	08.9	K0	GC	29465
17	10.0	9.8W	3 28.148	-0.0001	21	-31 16 24.35	0.040	21	0.43	28.150	22	32.2	25.05	21	32.2	F2 L	C7	11529
18	9.6	8.8W	3 30.262	0.0032	06	-37 46 0.47	0.002	06	0.20	30.216	15	35.7	0.51	21	35.7	G0	C8	10904
19	10.2	9.3W	3 38.014	-0.0010	13	-39 44 58.44	-0.045	13	0.26	38.028	15	35.7	57.80	21	35.7	G5	C8	10905
20	9.9	9.0W	3 53.979	-0.0011	13	-35 15 30.54	-0.031	13	0.26	53.995	15	35.7	30.10	21	35.7	K2	C8	10906
21	8.3	8.5W	3 57.474	0.0027	13	-36 4 17.56	-0.039	13	0.26	57.436	15	35.7	17.00	21	35.7	A0	C8	10907
22	8.7	8.4W	4 3.110	-0.0012	09	-39 6 20.61	0.020	09	0.22	3.127	15	35.7	20.90	21	35.7	F8	C8	10908
23	9.3	8.4W	4 4.764	0.0005	18	-38 14 58.94	-0.017	18	0.32	4.757	15	35.7	58.70	21	35.7	K0	C8	10909
24	9.8	8.8W	4 9.096	-0.0015	13	-39 27 49.77	-0.005	13	0.26	9.117	15	35.7	49.70	21	35.7	K0	C8	10910
25		7.4T	4 20.216	0.0007	14	-38 53 35.77	-0.028	13	0.72	20.180	22	00.9	34.31	21	98.2	F0	GC	29497
26	8.8	8.4W	4 20.852	-0.0027	21	-31 42 3.85	-0.033	21	0.43	20.901	22	32.2	3.27	21	32.2	G0	C7	11530
27	10.8	10.4W	4 32.531	0.0001	21	-30 23 3.08	-0.031	21	0.43	32.528	22	32.2	2.53	21	32.2	G0 L	C7	11531
28	11.1	10.0W	4 32.604	-0.0011	21	-34 9 29.14	-0.025	21	0.43	32.623	22	32.2	28.69	21	32.2	K0 L	C7	11532
29		8.3T	4 40.667	-0.0008	17	-37 27 59.30	-0.003	13	0.78	40.704	22	01.1	59.15	19	00.3	K0	GC	29511
30	10.0	9.0W	4 42.262	0.0003	10	-39 16 49.40	0.014	10	0.23	42.257	15	35.7	49.60	21	35.7	G5	C8	10913
31		7.2T	4 42.384	0.0173	13	-31 15 38.37	0.083	10	0.60	41.547	17	01.7	42.45	17	00.6	F5	GC	29512
32	10.7	9.6W	4 42.852	0.0011	09	-38 13 48.65	-0.003	09	0.22	42.836	15	35.7	48.70	21	35.7	K5	C8	10914
33	8.8	7.9W	4 44.093	0.0039	21	-34 24 1.73	-0.058	21	0.43	44.023	22	32.2	0.70	21	32.2	K0	C7	11534
34	10.2	9.9W	4 45.028	0.0014	21	-34 3 48.70	-0.034	21	0.43	45.003	22	32.2	48.10	21	32.2	F8	C7	11535
35	10.9	9.2W	4 48.041	0.0006	21	-33 14 6.65	0.002	21	0.43	48.032	22	32.2	6.69	21	32.2	K5	C7	11536
36	10.5	10.2W	4 51.269	-0.0006	21	-30 48 1.09	0.015	21	0.43	51.300	22	32.2	1.35	21	32.2	G0 L	C7	11537
37	11.0	9.7W	4 55.230	-0.0008	21	-34 51 38.01	-0.028	21	0.43	55.244	22	32.2	37.51	21	32.2	K0 L	C7	11538
38	10.1	9.9W	5 11.237	-0.0070	18	-38 40 54.33	-0.016	18	0.32	11.337	15	35.7	54.10	21	35.7	F8	C8	10918
39	11.2	9.6W	5 11.952	0.0005	18	-38 28 33.87	-0.047	18	0.32	11.945	15	35.7	33.20	21	35.7		C8	10919
40	11.3	9.9W	5 12.363	0.0019	21	-30 14 1.77	0.020	21	0.43	12.329	22	32.2	2.13	21	32.2	K L	C7	11539
41	9.3	8.1W	5 27.933	0.0011	21	-33 44 6.99	-0.028	21	0.43	27.913	22	32.2	6.50	21	32.2	K0	C7	11540
42	9.6	8.7W	5 28.708	0.0010	21	-32 2 18.06	0.006	21	0.43	28.690	22	32.2	18.17	21	32.2	K0	C7	11541
43		6.9T	5 32.468	0.0006	10	-37 26 44.20	-0.001	09	0.41	32.441	14	07.9	44.15	14	07.5	B8	GC	29539
44	11.3		5 33.580	-0.0060	23	-36 23 51.96	-0.081	23	0.38	33.666	15	35.7	50.80	21	35.7	G0 L	C8	10921
45	10.5	10.6W	5 36.284	0.0021	13	-35 14 26.47	0.002	13	0.26	36.255	15	35.7	26.50	21	35.7	A2	C8	10922
46	10.9	10.5W	5 46.864	-0.0014	21	-30 44 34.76	-0.028	21	0.43	46.890	22	32.2	34.26	21	32.2	G0 L	C7	11542
47	10.7	10.3W	5 47.070	0.0021	21	-33 27 51.60	0.027	21	0.43	47.032	22	32.2	52.09	21	32.2	G0 L	C7	11543
48	9.6	9.3W	5 54.560	0.0068	21	-30 14 48.98	-0.014	21	0.43	54.439	22	32.2	48.73	21	32.2	F5	C7	11544
49	10.1	8.5W	6 4.460	0.0009	13	-39 1 45.29	-0.013	13	0.26	4.447	15	35.7	45.11	21	35.7	K5	C8	10924
50	8.9	8.7W	6 5.005	0.0065	21	-31 3 58.74	-0.038	21	0.43	4.890	22	32.2	58.06	21	32.2	F5	C7	11545
51		7.0T	21 6 8.724	-0.0002	15	-38 8 12.14	0.008	13	0.73	8.733	22	01.7	12.55	21	98.4	G5	GC	29551
52	10.6	9.8W	6 13.852	0.0004	18	-37 59 48.85	-0.004	18	0.32	13.847	15	35.7	48.80	21	35.7	K0 L	C8	10927
53		6.5T	6 14.347	0.0033	14	-36 54 27.69	-0.125	12	0.66	14.192	18	03.5	21.62	18	01.5	G0	GC	29553
54	8.8	7.8W	6 19.145	0.0008	21	-32 13 37.94	-0.010	21	0.43	19.131	22	32.2	37.77	21	32.2	K0	C7	11546
55	11.0	9.6W	6 20.327	-0.0005	06	-35 22 20.37	-0.012	06	0.20	20.335	15	35.7	20.21	21	35.7	K5 L	C8	10929
56	11.0	10.2W	6 22.377	0.0010	21	-30 56 16.44	-0.038	21	0.43	22.360	22	32.2	15.76	21	32.2	K0 L	C7	11547
57	10.6	10.2W	6 24.610	0.0066	21	-33 23 5.36	-0.021	21	0.43	24.492	22	32.2	4.99	21	32.2	F5 L	C7	11548
58	10.1	9.6W	6 29.199	0.0093	13	-35 31 5.84	-0.069	13	0.26	29.066	15	35.7	5.00	21	35.7	G0	C8	10930
59	10.6	10.4W	6 34.344	-0.0032	21	-31 13 18.80	-0.014	21	0.42	34.400	22	32.7	18.56	21	32.7	G2 L	C7	11549
60	10.6	10.4W	6 35.814	-0.0026	21	-31 16 31.59	0.010	21	0.42	35.860	22	32.7	31.75	21	32.7	G0 L	C7	11550
61	9.2	9.5W	6 41.328	0.0002	18	-35 47 44.94	-0.003	18	0.31	41.326	15	35.8	44.90	21	35.8	A0	C8	10931
62	10.9	10.7W	6 47.231	0.0001	21	-30 19 32.46	0.010	21	0.42	47.229	22	32.7	32.63	21	32.7	F5 L	C7	11551
63	10.3	10.2W	6 58.304	-0.0032	21	-30 19 29.78	-0.020	21	0.42	58.359	22	32.7	29.43	21	32.7	F8 L	C7	11552
64	11.1	10.0W	7 1.236	-0.0020	21	-32 29 41.56	0.029	21	0.42	1.271	22	32.7	42.07	21	32.7	K0 L	C7	11553
65	10.5	9.4W	7 4.484	-0.0009	21	-30 41 53.42	-0.021	21	0.42	4.500	22	32.7	53.06	21	32.7	K2	C7	11554
66	8.8	8.0W	7 9.195	0.0049	21	-31 41 45.11	-0.066	21	0.42	9.111	22	32.7	43.97	21	32.7	G5	C7	11556
67	10.4	10.2W	7 10.328	-0.0038	21	-33 33 20.66	-0.021	21	0.42	10.393	22	32.7	20.30	21	32.7	F8	C7	11557
68		7.2T	7 17.645	0.0026	13	-33 3 15.54	0.014	12	0.66	17.514	17	00.4	16.28	18	98.0	G5	GC	29580
69	10.0	9.8W	7 28.517	-0.0019	21	-30 59 56.46	-0.023	21	0.42	28.550	22	32.7	56.85	21	32.7	G0	C7	11559
70	9.8	9.5W	7 31.306	-0.0027	09	-35 0 55.72	-0.100	09	0.22	31.345	15	35.8	54.30	21	35.8	G0	C8	10932
71	10.3	10.3W	7 49.961	0.0030	21	-30 11 19.30	0.025	21	0.42	49.909	22	32.7	19.73	21	32.7	A0	C7	11560
72	11.2	11.0W	7 58.541	0.0039	21	-34 16 20.35	-0.015	21	0.42	58.473	22	32.7	20.09	21	32.7	F8 L	C7	11561
73	9.6	8.9W	8 1.997	0.0029	13	-36 7 1.23	0.005	13	0.26	1.956	15	35.8	1.30	21	35.8	G5	C8	10933
74	9.6	9.2W	8 2.917	0.0009	13	-35 11 53.60	-0.078	13	0.26	2.905	15	35.8	52.50	21	35.8	G0	C8	10934
75		10.6W	8 3.292	-0.0004	21	-30 27 57.42	-0.022	21	0.42	3.299	22	32.7	57.03	21	32.7		C7	11562
76	11.0	9.9W	8 27.624	0.0027	13	-36 11 44.58	-0.055	13	0.26	27.586	15	35.8	43.81	21	35.8	K0 L	C8	10935
77	10.0	9.7W	8 28.866	0.0021	18	-37 44 41.77	-0.033	18	0.31	28.836	15	35.8	41.31	21	35.8	F8	C8	10937
78	11.1	10.2W	8 29.937	0.0056	21	-30 30 18.20	0.038	21	0.42	29.840	22	32.7	18.86	21	32.7	K0 L	C7	11563
79	10.5	10.2W	8 35.038	-0.0075	13	-35 3 19.99	-0.042	13	0.26	35.145	15	35.8	19.40	21	35.8	G0	C8	10938
80	8.7	8.5W	8 37.889	0.0059	06	-36 6 14.31	-0.029	06	0.20	37.806	15	35.8	13.91	21	35.8	F2	C8	10939
81	10.6	10.3W	8 39.079	0.0017	21	-31 41 45.11	-0.007	21	0.42	39.050	22	32.7	50.35	21	32.7	F2 L	C7	11564
82	10.9	9.8W	8 45.778	0.0011	21	-30 9 15.62	0.024	21	0.42	45.759	22	32.7	16.03	21	32.7	G5 L	C7	11565
83	10.9	9.8W	8 46.122	-0.0033	21	-30 0 44.12	0.053	21	0.42	46.179	22	32.7	45.03	21	32.7	K0 L	C7	11566
84	9.5	9.4W	8 55.262	0.0011	15	-38 22 48.51	-0.064	15	0.28	55.267	15	35.8	47.60	21	35.8	F2	C8	10941
85	10.5	10.3W	8 58.369	-0.0058	21	-31 12 17.16	-0.059	21	0.42	58.470	22	32.7	16.16	21	32.7	A2 L	C7	11567
86	7.2	7.2W	9 6.873	-0.0004	21	-30 47 41.88	-0.053	21	0.42	6.880	22	32.7	40.95	21	32.7	F5	C7	11568
87	10.3	9.8W	9 28.307	0.0067	21	-32 16 59.00	-0.054	21	0.42	28.191	22	32.7	58.07	21	32.7	G0	C7	11570
88	11.5	10.1W	9 30.447	0.0010	21	-30 42 31.79	0.004	21	0.42	30.430	22	32.7	31.86	21	32.7	K2 L	C7	11571
89	10.2	9.9W	9 32.456	-0.0005	21	-34 54 24.08	-0.062	21	0.42	32.464	22	32.7	23.01	21	32.7	G0	C7	11572
90	9.8	10.1W	9 36.731	0.0005	21	-33 19 37.12	0.004	21	0.42	36.722	22	32.7	37.19	21	32.7	A0	C7	11573
91		7.3T	9 40.558	0.0042	12	-35 58 6.17	-0.034	12	0.58	40.359	15	02.3	4.54	17	02.3	K0	GC	29634
92	10.6	10.4W	9 48.750	-0.0037	21	-34 11 59.33	-0.002	21	0.42	48.813	22	32.7	59.29	21	32.7	A3	C7	11574
93		5.3T	9 51.490	0.0160	06	-39 37 47.76	-0.121	06	0.29	50.779	10	05.6	42.04	10	02.8	F5	GC	29640
94	9.7	9.1W	9 58.566	0.0029	09	-35 2 3.26	-0.082	09	0.22	58.525	15	35.8	2.10	21	35.8	G5	C8	10945
95	10.7	9.9W	10 4.516	-0.0008	21	-30 50 26.52	0.037	21	0.42	4.530	22	32.7	27.16	21	32.7	K2	C7	11575
96	10.3	9.2W	10 5.325	0.0007	21	-33 10 31.90	0.011	21	0.42	5.312	22	32.7	32.09	21	32.7	K0	C7	11576
97	8.8	8.8W	10 8.460	0.0025	13	-35 20 24.11	-0.022	13	0.26	8.425	15	35.8	23.80	21	35.8	F0	C8	10946
98	9.6	9.3W	10 9.791	0.0021	21	-34 41 50.35	-0.031	21	0.42	9.754	22	32.7	49.81	21	32.7	G0	C7	11577
99	10.1	9.6W	10 9.937	0.0051	13	-35 18 8.65	-0.067	13	0.26	9.865	15	35.8	7.70	21	35.8	G2 L	C8	10947
00		6.1T	10 11.842	0.0024	13	-36 37 49.86	-0.010	12	0.68	11.717	18	98.8	49.34	18	98.1	K0	GC	29648

SOURCE NUMBER

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5	C -3315384
6	C -3414852
7	C -3018381
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13	C -3814374
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92	C -3414915
93	C*-3914152
94	C -3514632
95	C -3118129
96	C -3315449
97	C -3514635
98	C -3514637
99	C -3514636
00	C -3614676

-30°
21H

212800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.7	9.7W	21 10 15.668	0.0026	21	-33 57 3.02	-0.030	21	0.42	15.623	22	32.7	2.50	21	32.7	K0	C7	11578	C -3414920
2	9.9	10.2W	10 17.299	0.0023	21	-30 49 33.39	0.010	21	0.42	17.260	22	32.7	33.56	21	32.7	A0	C7	11579	C -3118135
3	11.1	10.1W	10 28.743	-0.0015	21	-30 55 9.67	0.011	21	0.42	28.770	22	32.7	9.85	21	32.7	K0 L	C7	11580	C -3118136
4	11.1	10.2W	10 29.007	0.0071	18	-37 15 29.14	-0.010	18	0.31	28.967	15	35.8	29.01	21	35.8	G5 L	C8	10949	C -3714172
5	10.0	9.8W	10 42.925	0.0043	21	-31 32 53.73	-0.009	21	0.42	42.851	22	32.7	53.57	21	32.7	G0	C7	11581	C -3116138
6	10.9	9.4W	10 43.647	0.0016	21	-30 35 14.18	0.016	21	0.42	43.620	22	32.7	14.45	21	32.7	K5 L	C7	11582	C -3018453
7		9.6Y	10 45.123	0.0014	21	-30 18 43.58	-0.026	21	0.42	45.099	22	32.7	43.13	21	32.7		C7	11583	C -3018454
8	10.0	9.7W	10 46.788	0.0084	21	-32 59 48.96	-0.108	21	0.42	46.642	22	32.7	47.09	21	32.7	G	C7	11584	C*-3315456
9	10.7	9.6W	10 48.327	-0.0012	13	-35 29 48.00	-0.014	13	0.26	48.345	15	35.8	47.81	21	35.8	G8 L	C8	10950	C -3514644
10	10.1	9.3W	10 49.302	0.0025	21	-30 24 9.69	0.020	21	0.42	49.259	22	32.7	10.03	21	32.7	K2	C7	11585	C -3018455
11	9.6	9.4W	10 52.011	0.0018	13	-35 45 37.21	-0.015	13	0.26	51.986	15	35.8	37.01	21	35.8	F5	C8	10951	C -3614685
12	9.9	9.5W	10 56.911	0.0025	13	-36 17 47.84	-0.031	13	0.26	56.876	15	35.8	47.40	21	35.8	F8	C8	10952	C -3614686
13		10.4W	11 2.190	0.0052	21	-31 54 57.20	-0.033	21	0.42	2.101	22	32.7	57.77	21	32.7		C7	11587	C -3216458
14	10.0E	8.0Z	11 6.410	0.0012	12	-39 57 40.55	-0.032	12	0.65	6.350	28	00.2	38.95	26	00.2	K2	C2	19261	F -40 9498
15	8.0	7.8W	11 6.882	-0.0011	13	-38 47 7.41	-0.036	13	0.26	6.898	15	35.8	6.91	21	35.8	F2	C8	10954	C -3914165
16	10.0	8.4W	11 7.387	0.0014	21	-32 51 34.00	-0.024	21	0.42	7.362	22	32.7	33.59	21	32.7	K2	C7	11588	C -3315459
17	9.1	9.1W	11 8.652	0.0010	13	-39 12 17.94	-0.024	13	0.26	8.638	15	35.8	17.60	21	35.8	F0	C8	10955	C -3914164
18		8.4T	11 9.019	0.0005	15	-35 34 54.46	-0.000	13	0.73	8.996	19	00.9	54.45	19	98.3	A0	GC	29675	C -3514647
19	11.0	10.5W	11 17.882	-0.0088	18	-37 51 58.60	0.028	18	0.31	18.006	15	35.8	59.01	21	35.8	F5 L	C8	10957	C -3814452
20	8.2	8.0W	11 21.033	0.0000	21	-32 44 46.25	-0.050	21	0.42	21.032	22	32.7	45.39	21	32.7	G0	C7	11589	C -3315462
21	8.9	8.3W	11 30.831	0.0001	21	-30 57 52.51	0.003	21	0.42	30.830	22	32.7	52.55	21	32.7	G5	C7	11590	C -3118144
22	10.9	9.8W	11 34.320	0.0025	13	-35 7 45.76	-0.011	13	0.26	34.285	15	35.8	45.60	21	35.8	K2	C8	10958	C -3514650
23	9.6	9.3W	11 36.747	0.0037	21	-33 7 13.28	-0.092	21	0.42	36.682	22	32.7	11.69	21	32.7	G0	C7	11591	C -3315464
24	8.7	7.8W	11 52.090	-0.0069	21	-31 23 28.94	-0.091	21	0.42	52.210	22	32.7	27.36	21	32.7	K0	C7	11592	C -3118145
25	10.2	9.0W	11 54.397	0.0014	09	-38 38 35.70	-0.028	09	0.22	54.377	15	35.8	35.30	21	35.8	K0	C8	10961	C -3814455
26	9.4	9.4W	11 55.373	0.0008	21	-30 19 5.31	0.030	21	0.42	55.359	22	32.7	5.83	21	32.7	F0	C7	11593	C -3018469
27	10.0	9.3W	12 0.224	-0.0009	21	-31 10 36.42	-0.044	21	0.42	0.240	22	32.7	35.66	21	32.7	G L	C7	11594	C -3118148
28	8.5	7.4W	12 1.595	0.0015	21	-31 11 27.81	-0.055	21	0.42	1.570	22	32.7	26.86	21	32.7	G5	C7	11595	C -3118149
29	10.9	9.9W	12 1.630	0.0023	21	-31 49 55.22	0.043	21	0.42	1.591	22	32.7	55.97	21	32.7	G5 L	C7	11596	C -3216467
30	10.5	9.5W	12 1.905	-0.0034	21	-33 44 21.24	0.003	21	0.42	1.963	22	32.7	21.29	21	32.7	K2	C7	11597	C -3414939
31	9.4	8.5W	12 4.026	0.0015	13	-35 12 54.61	-0.029	13	0.26	4.005	15	35.8	54.20	21	35.8	G5	C8	10962	C -3514659
32	8.6	8.6W	12 14.090	-0.0007	21	-33 23 42.57	-0.057	21	0.42	14.102	22	32.7	41.59	21	32.7	A5	C7	11598	C -3315470
33	9.6	9.3W	12 18.049	0.0051	09	-36 52 6.52	-0.093	09	0.22	17.977	15	35.8	5.20	21	35.8	F8	C8	10963	C -3714189
34	9.0	9.0W	12 20.475	0.0019	21	-33 13 39.98	0.012	21	0.42	20.442	22	32.7	40.19	21	32.7	F5	C7	11599	C -3315472
35	9.0	8.2W	12 22.837	0.0008	13	-35 55 25.13	-0.016	13	0.26	22.826	15	35.8	24.91	21	35.8	K0	C8	10964	C -3614696
36	9.9	9.5W	12 24.730	0.0043	07	-39 40 37.64	-0.024	07	0.21	24.668	15	35.8	37.30	21	35.8	G0 L	C8	10965	C -3914174
37		8.4T	12 25.308	0.0083	17	-39 39 39.86	-0.032	13	0.77	24.914	21	02.6	38.24	19	99.5	G0	GC	29712K	C -3914175
38	10.2	9.9W	12 25.783	-0.0045	18	-37 34 13.53	-0.012	18	0.31	25.846	15	35.8	13.70	21	35.8	F8	C8	10967	C -3714190
39	10.0	9.2W	12 28.524	0.0053	21	-32 32 30.77	-0.022	21	0.42	28.432	22	32.7	30.39	21	32.7	K0	C7	11600	C -3216473
40	11.2	10.6W	12 36.058	0.0011	21	-30 7 25.76	0.010	21	0.42	36.039	22	32.7	25.93	21	32.7	K0 L	C7	11601	C -3018481
41	11.0	10.8W	12 36.182	-0.0013	21	-34 42 24.32	0.028	21	0.42	36.204	22	32.7	24.81	21	32.7	G5 L	C7	11602	C -3514663
42	10.7	10.0W	12 40.347	-0.0004	21	-34 26 18.20	-0.041	21	0.42	40.353	22	32.7	17.49	21	32.7	K0	C7	11603	C -3414943
43		6.1T	12 40.356	0.0024	08	-36 25 9.64	-0.004	09	0.36	40.258	09	08.6	9.47	10	09.4	K0	GC	29717	C -3614699
44	9.5	7.7W	12 45.574	0.0013	13	-35 42 47.05	-0.039	13	0.26	45.556	15	35.8	46.50	21	35.8	K5	C8	10970	C -3614701
45	11.0	10.2W	12 47.269	-0.0014	21	-34 1 50.06	0.019	21	0.42	47.293	22	32.7	50.40	21	32.7	G2 L	C7	11604	C -3414945
46	10.7		12 53.665	-0.0016	30	-38 42 27.98	-0.034	30	0.46	53.688	15	35.8	27.50	21	35.8	B9 L	C8	10971	C -3914181
47	8.9	8.8W	12 58.994	0.0030	21	-32 55 59.16	-0.085	21	0.42	58.942	22	32.7	57.69	21	32.7	F8	C7	11605	C -3315481
48	10.9	10.4W	13 4.083	0.0054	21	-30 44 6.13	0.002	21	0.42	3.990	22	32.7	6.15	21	32.7	K0 L	C7	11606	C -3118159
49	8.3	7.4W	13 7.510	0.0023	21	-32 1 27.14	-0.091	21	0.42	7.471	22	32.7	25.57	21	32.7	G5	C7	11607	C -3216479
50	9.9	9.5W	13 13.990	0.0003	13	-36 17 54.89	-0.042	13	0.26	13.986	15	35.8	54.30	21	35.8	G5	C8	10973	C -3614703
51	10.0	9.9W	21 13 15.144	-0.0009	21	-30 36 16.55	0.018	21	0.42	15.160	22	32.7	16.85	21	32.7	F8	C7	11608	C -3018488
52	10.0	9.5W	13 17.691	0.0074	13	-36 1 47.68	-0.196	13	0.26	17.586	15	35.8	44.90	21	35.8	G0	C8	10974	C -3814466
53	11.5	9.8W	13 26.209	-0.0026	13	-34 59 34.72	-0.036	13	0.26	26.245	15	35.8	34.21	21	35.8	K2 L	C8	10975	C -3514673
54	8.4	8.0W	13 31.635	0.0056	13	-36 22 58.11	-0.015	13	0.26	31.556	15	35.8	57.90	21	35.8	F5	C8	10977	C -3614706
55	10.1	9.6W	13 40.563	-0.0050	21	-30 29 48.98	-0.078	21	0.42	40.649	22	32.7	47.63	21	32.7	G0	C7	11609	C -3018492
56	10.9	10.5W	13 43.597	-0.0027	21	-34 4 41.51	-0.001	21	0.42	43.643	22	32.7	41.50	21	32.7	G0 L	C7	11610	C -3414954
57	10.3	10.0W	13 45.685	-0.0029	18	-36 59 8.57	0.023	18	0.31	45.727	15	35.8	8.90	21	35.8	F8	C8	10978	C -3714202
58	9.7	8.6W	13 58.017	0.0045	21	-31 15 7.61	-0.043	21	0.42	57.940	22	32.7	6.86	21	32.7	K0	C7	11611	C -3118167
59	10.9	10.1W	13 58.437	-0.0004	21	-33 37 54.69	0.029	21	0.42	58.443	22	32.7	55.19	21	32.7	G5 L	C7	11612	C -3315485
60		7.6T	14 7.068	0.0010	13	-39 15 37.61	0.010	12	0.66	7.016	15	99.5	38.13	18	96.9	F8	GC	29756	C -3914186
61	10.8	9.8W	14 7.871	0.0004	13	-35 37 0.66	-0.004	13	0.26	7.866	15	35.8	0.60	21	35.8	K2	C8	10980	C -3514684
62	9.4	8.6W	14 15.227	0.0004	21	-32 5 39.29	-0.001	21	0.42	15.221	22	32.7	39.27	21	32.7	G5	C7	11613	C -3216491
63	9.9	8.8W	14 16.179	-0.0006	13	-38 58 29.21	-0.008	13	0.26	16.188	15	35.8	29.19	21	35.8	K2	C8	10981	C -3914187
64	10.2	9.9W	14 19.507	-0.0028	18	-38 0 19.47	-0.019	18	0.31	19.547	15	35.8	19.20	21	35.8	G0	C8	10982	C -3814475
65	10.8	10.4W	14 19.515	-0.0021	23	-35 18 31.15	-0.032	23	0.37	19.545	15	35.8	30.70	21	35.8	G5	C8	10983	C -3514686
66		6.6T	14 19.947	-0.2805	11	-39 3 42.45	-1.152	11	0.65	35.004	15	96.3	-37.25	17	93.4	MGP	GC	29761	C*-3914192
67		6.9T	14 25.644	0.0021	09	-30 57 21.36	-0.011	09	0.48	25.535	15	98.9	20.79	14	99.3	K0	GC	29762	C -3118175
68	10.8	9.7W	14 30.786	-0.0000	13	-37 5 55.39	-0.042	13	0.26	30.787	15	35.8	54.80	21	35.8	K0	C8	10985	C -3714205
69	10.5	9.4W	14 32.707	0.0031	21	-33 34 5.96	0.008	21	0.42	32.653	22	32.7	6.10	21	32.7	K0	C7	11615	C -3315488
70	9.6	9.3W	14 33.292	-0.0041	21	-34 17 18.94	-0.026	21	0.42	33.363	22	32.7	18.50	21	32.7	G0	C7	11616	C -3414961
71	8.5	8.4W	14 38.131	0.0010	21	-34 12 26.82	0.016	21	0.42	38.113	22	32.7	27.09	21	32.7	F8	C7	11617	C -3414962
72	10.7E	9.5*	14 39.890	0.0007	12	-39 57 38.34	0.023	12	0.66	39.855	28	99.7	39.49	26	99.7	G0	CZ	19300	P -40 9509
73	10.9	10.0W	14 49.038	0.0038	13	-35 14 26.85	-0.018	13	0.26	48.985	15	35.8	26.60	21	35.8	K0	C8	10986	C -3514692
74		4.8H	14 54.649	0.0045	02	-32 22 57.73	-0.024	02	0.09	54.488	05	13.9	56.87	05	13.9	A0	F4	801	C -3216498
75	9.6	9.2W	14 57.688	-0.0007	14	-38 36 45.59	-0.013	14	0.27	57.698	15	35.8	45.40	21	35.8	G0	C8	10987	C -3814480
76	8.4	8.5W	15 2.027	0.0014	21	-33 4 26.77	-0.028	21	0.42	2.002	22	32.7	26.29	21	32.7	A0	C7	11619	C -3315493
77	10.0	9.9W	15 2.212	0.0013	21	-31 1 13.53	0.025	21	0.42	2.190	22	32.7	13.95	21	32.7	G5	C7	11620	C -3118183
78	11.0	10.0W	15 7.712	-0.0003	18	-37 33 16.85	0.032	18	0.31	7.716	15	35.8	17.30	21	35.8	K0 L	C8	10988	C -3714208
79	11.3	10.2W	15 11.431	-0.0013	21	-34 22 31.56	0.031	21	0.42	11.453	22	32.7	32.10	21	32.7	K2 L	C7	11621	C -3414964
80	10.5	9.4W	15 13.522	-0.0034	21	-31 58 30.78	-0.041	21	0.42	13.581	22	32.7	30.07	21	32.7	K0	C7	11622	C -3216504
81	8.7	7.3W	15 13.733	0.0040	21	-34 12 31.23	-0.037	21	0.42	13.663	22	32.7	30.60	21	32.7	K2	C7	11623	C -3414965
82	10.7	10.5W	15 18.186	-0.0027	11	-35 8 50.56	-0.025	11	0.24	18.225	15	35.8	50.21	21	35.8	F2 L	C8	10989	C -3514698
83		10.6W	15 21.295	0.0001	21	-33 46 0.53	0.027	21	0.42	21.293	22	32.7	1.00	21	32.7	G2 L	C7	11624	C -3414966
84	11.0	9.8W	15 23.776	0.0004	21	-30 29 52.41	-0.016	21	0.42	23.769	22	32.7	52.13	21	32.7	K2 L	C7	11625	C -3018505
85	8.6	8.3W	15 24.217	0.0049	13	-39 27 47.61	-0.184	13	0.26	24.147	15	35.8	45.00	21	35.8	G0	C8	10990	C -3914196
86	10.4	10.1W	15 24.658	0.0016	21	-32 6 19.88	-0.041	21	0.42	24.631	22	32.7	19.17	21	32.7	G0	C7	11626	C -3216506
87	11.1	10.1W	15 35.148	-0.0001	21	-30 6 58.33	0.029	21	0.42	35.149	22	32.7	58.83	21	32.7	K0 L	C7	11627	C -3018507
88	10.5	10.3W	15 36.085	-0.0165	21	-31 54 28.32	-0.084	21	0.42	36.371	22	32.7	26.87	21	32.7	G0 L	C7	11628	C -3216508
89	9.4	8.6W	15 41.812	0.0023	21	-33 16 45.28	0.052	21	0.42	41.772	22	32.7	46.19	21	32.7	K0	C7	11629	C -3315502
90	10.3	9.3W	15 49.724	-0.0030	18	-36 48 19.97	-0.012	18	0.31	49.767	15	35.8	19.81	21	35.8	G5	C8	10991	C -3714211
91	10.0	9.0W	15 50.738	0.0015	21	-33 15 26.73	-0.014	21	0.42	50.712	22	32.7	26.49	21	32.7	K0	C7	11630	C -3315503
92	9.7	9.6W	15 55.107	0.0015	13	-36 26 30.93	-0.080	13	0.26	55.086	15	35.8	29.80	21	35.8	F0	C8	10992	C -3614727
93	10.7	10.3W	15 55.114	-0.0064	21	-34 39 51.27	-0.125	21	0.42	55.224	22	32.7	49.11	21	32.7	G5 L	C7	11631	C -3414975
94	10.3	9.1W	15 55.812	-0.0024	21	-34 12 50.89	0.006	21	0.42	55.853	22	32.7	50.99	21	32.7	K2	C7	11632	C -3414974
95		7.0T	16 1.797	-0.0007	16	-32 34 2.87	-0.047	13	0.71	1.827	17	03.1	0.60	17	01.5	K2	GC	29810	C -3216512
96	9.1	9.2W	16 2.387	0.0077	21	-34 7 45.34	-0.089	21	0.42	2.253	22	32.7	43.80	21	32.7	B9	C7	11634	C -3414977
97	11.0	10.0W	16 7.996	-0.0020	21	-32 1 57.09	-0.036	21	0.42	8.031	22	32.7	56.47	21	32.7	K0 L	C7	11635	C -3216514
98	8.9	7.4W	16 8.533	0.0010	13	-39 33 34.59	-0.013	13	0.26	8.518	15	35.8	34.40	21	35.8	K5	C8	10993	C -3914200
99	10.1	9.6W	16 9.427	0.0253	21	-30 30 51.05	0.024	21	0.42	8.990	22	32.7	51.45	21	32.7	G5	C7	11636	C -3018510
00	8.8	8.3W	16 15.211	-0.0013	21	-34 5 48.06	-0.004	21	0.42	15.233	22	32.7	48.00	21	32.7	G0	C7	11637	C -3414981

-30° 21H

212900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 21H DM NUMBER
1	9.2	8.3W	21 16 19.974	0.0020	21	-31 23 24.13	-0.027	21	0.42	19.940	22	32.7	23.66	21	32.7	K0		C7	11638	C -3118194
2	9.7	8.8W	16 26.348	0.0014	13	-39 41 16.94	-0.010	13	0.26	26.328	15	35.8	16.80	21	35.8	G5		C8	10996	C -4014280
3	10.1	9.1W	16 34.053	-0.0047	21	-34 45 40.82	0.011	21	0.42	34.134	22	32.7	41.01	21	32.7	K0		C7	11639	C -3514708
4	9.9	8.8W	16 34.732	-0.0011	18	-38 33 26.30	0.021	18	0.31	34.747	15	35.8	26.61	21	35.8	F2		C8	10997	C -3814488
5	11.0	9.9W	16 36.002	0.0007	21	-30 41 24.50	0.038	21	0.42	35.990	22	32.7	25.16	21	32.7	K2	L	C7	11640	C -3018515
6	11.3	10.4W	16 40.394	0.0012	21	-34 22 50.79	-0.011	21	0.42	40.373	22	32.7	50.60	21	32.7	K0	L	C7	11641	C -3414984
7	10.5	10.4W	16 44.497	0.0060	21	-33 53 46.15	-0.015	21	0.42	44.393	22	32.7	45.89	21	32.7	F8	L	C7	11642	C -3414986
8	10.8	9.8W	16 52.756	-0.0010	21	-33 51 52.86	0.008	21	0.42	52.773	22	32.7	52.99	21	32.7	K0	L	C7	11643	C -3414987
9	9.3	8.4W	17 2.813	0.0051	21	-34 48 21.02	0.005	21	0.42	2.724	22	32.7	21.11	21	32.7	G5		C7	11644	C -3514713
10	9.9	8.8W	17 3.932	-0.0022	21	-32 16 19.20	-0.054	21	0.42	3.971	22	32.7	18.27	21	32.7	F8		C7	11645	C -3216523
11	10.5	9.7W	17 6.331	0.0067	18	-36 4 41.14	-0.031	18	0.31	6.236	15	35.8	40.70	21	35.8	K0		C8	10998	C -3614735
12	10.2	8.9W	17 6.703	-0.0023	13	-35 43 26.88	-0.062	13	0.26	6.736	15	35.8	26.00	21	35.8	K5		C8	10999	C -3614737
13	8.5	8.6W	17 9.144	0.0000	21	-34 33 8.60	0.018	21	0.42	9.144	22	32.7	8.91	21	32.7	F0		C7	11646	C -3414989
14	9.1	9.1W	17 12.390	0.0017	21	-32 12 18.89	0.022	21	0.42	12.361	22	32.7	19.27	21	32.7	F0		C7	11647	C -3216526
15	9.0	8.9W	17 13.992	0.0025	13	-37 0 3.10	0.000	13	0.26	13.957	15	35.8	3.10	21	35.8	F2		C8	11002	C -3714222
16	10.2	9.9W	17 14.477	-0.0050	21	-34 21 22.01	-0.105	21	0.42	14.563	22	32.7	20.20	21	32.7	G0		C7	11648	C -3414990
17	9.0	7.5W	17 14.839	0.0004	21	-32 43 30.95	-0.027	21	0.42	14.832	22	32.7	30.49	21	32.7	K2		C7	11649	C -3315515
18	8.3	8.1W	17 16.619	-0.0012	21	-31 3 16.41	-0.049	21	0.42	16.840	22	32.7	15.55	21	32.7	F5		C7	11650	C -3118202
19	8.8	7.3W	17 19.304	-0.0015	21	-30 39 14.41	-0.049	21	0.42	19.330	22	32.7	13.55	21	32.7	K2		C7	11651	C -3018522
20	10.0	9.9W	17 23.080	0.0017	21	-31 40 31.11	0.026	21	0.42	23.051	22	32.7	31.57	21	32.7	A5		C7	11652	C -3118203
21	9.2	9.0W	17 26.165	-0.0008	21	-30 8 48.33	-0.000	21	0.42	26.179	22	32.7	48.33	21	32.7	G0		C7	11653	C -3018523
22	8.7	7.7W	17 27.073	-0.0016	13	-35 54 57.58	-0.048	13	0.26	27.096	15	35.8	56.91	21	35.8	K0		C8	11003	C -3614738
23	9.9	9.7W	17 32.335	0.0055	21	-30 36 52.77	0.040	21	0.42	32.240	22	32.7	53.45	21	32.7	F8		C7	11654	C -3018524
24	10.9	10.2W	17 34.020	-0.0003	13	-35 24 8.24	-0.066	13	0.26	34.025	15	35.8	7.30	21	35.8	G5	L	C8	11004	C -3514718
25	8.4	7.8W	17 38.064	-0.0045	13	-38 59 40.95	0.060	13	0.26	38.127	15	35.8	41.81	21	35.8	G5		C8	11006	C -3914212
26	10.1	9.9W	17 40.369	0.0027	21	-33 1 5.63	-0.014	21	0.42	40.322	22	32.7	5.39	21	32.7	F8		C7	11655	C -3315518
27	11.1	10.2W	17 40.676	-0.0007	23	-36 32 27.33	0.005	23	0.37	40.687	15	35.8	27.40	21	35.8	G5	L	C8	11007	C -3614742
28	10.4	9.8W	17 45.366	-0.0036	18	-37 17 26.98	0.058	18	0.31	45.417	15	35.8	27.81	21	35.8	G0		C8	11008	C -3714231
29	9.1	9.1W	17 46.342	-0.0010	14	-36 52 9.66	-0.018	14	0.27	46.357	15	35.8	9.41	21	35.8	F0		C8	11009	C -3714232
30	8.4	7.6W	17 53.233	0.0025	21	-31 10 5.72	-0.009	21	0.42	53.190	22	32.7	5.56	21	32.7	K0		C7	11656	C -3118209
31	10.9	9.8W	17 54.447	0.0021	21	-31 34 6.38	-0.018	21	0.42	54.411	22	32.7	6.07	21	32.7	K0	L	C7	11657	C -3118210
32	9.7	8.0W	17 57.125	0.0009	21	-31 7 8.74	-0.039	21	0.42	57.110	22	32.7	8.06	21	32.7	K2		C7	11658	C -3118211
33	9.7	8.9W	17 57.624	0.0008	21	-32 14 10.04	0.019	21	0.42	57.611	22	32.7	10.37	21	32.7	G5		C7	11659	C -3216534
34	9.3	8.3W	17 59.680	0.0029	21	-31 20 20.51	-0.026	21	0.42	59.630	22	32.7	20.06	21	32.7	K0		C7	11660	C -3118212
35	10.2	9.6W	18 6.237	-0.0021	21	-33 47 47.18	-0.034	21	0.42	6.273	22	32.7	46.59	21	32.7	G5		C7	11661	C -3414999
36	10.4	9.1W	18 9.501	-0.0024	13	-35 38 51.48	-0.034	13	0.26	9.536	15	35.8	51.00	21	35.8	K2		C8	11010	C -3514723
37	10.1	9.1W	18 12.152	0.0018	13	-36 59 7.74	-0.017	13	0.26	12.127	15	35.8	7.50	21	35.8	G5		C8	11011	C -3714235
38	10.9	9.7W	18 13.321	-0.0016	21	-30 5 19.17	0.015	21	0.42	13.349	22	32.7	19.43	21	32.7	G5	L	C7	11662	C -3018531
39	8.7	8.4W	18 14.500	0.0059	09	-38 23 18.42	0.048	09	0.22	14.416	15	35.8	19.10	21	35.8	F5		C8	11012	C -3814506
40	9.6	9.2W	18 16.959	-0.0002	21	-32 44 43.62	-0.008	21	0.42	16.962	22	32.7	43.49	21	32.7	G0		C7	11663	C -3315524
41	10.0	9.5W	18 36.790	0.0010	13	-35 58 2.90	0.000	13	0.26	36.776	15	35.8	2.90	21	35.8	G5		C8	11013	C -3614751
42	9.9	9.1W	18 42.354	-0.0009	13	-36 37 51.07	0.016	13	0.26	42.367	15	35.8	51.30	21	35.8	G5		C8	11014	C -3614752
43	10.5	8.9W	18 45.043	0.0014	21	-30 21 42.79	0.014	21	0.42	45.019	22	32.7	43.03	21	32.7	M8		C7	11664	C -3018537
44	9.9	9.7W	18 45.349	0.0038	13	-35 31 23.76	0.080	13	0.26	45.296	15	35.8	24.90	21	35.8	F5		C8	11015	C -3514728
45	9.2	9.2W	18 53.161	-0.0004	18	-37 46 4.60	0.014	18	0.31	53.161	15	35.8	4.81	21	35.8	F0		C8	11016	C -3814511
46	10.3	9.8W	18 53.887	-0.0056	21	-34 17 42.96	-0.004	21	0.42	53.983	22	32.7	42.90	21	32.7	G2	L	C7	11665	C -3415004
47	9.0	8.8W	19 3.538	0.0001	08	-36 37 32.27	0.002	08	0.22	1.337	15	35.8	32.31	21	35.8	F5		C8	11018	C -3614754
48		10.0W	19 3.343	-0.0021	21	-30 43 13.23	0.019	21	0.42	3.380	22	32.7	13.56	21	32.7	G5	L	C7	11666	C -3118220
49	10.4	10.0W	19 7.443	-0.0002	13	-35 35 8.17	-0.019	13	0.26	7.446	15	35.8	7.90	21	35.8	G5	L	C8	11019	C -3514733
50	10.5	9.3W	19 11.421	-0.0017	23	-35 12 53.10	-0.014	23	0.37	11.445	15	35.8	52.90	21	35.8	K2		C8	11020	C -3514735
51	10.7	9.4W	21 19 12.678	-0.0042	18	-38 38 36.37	0.016	18	0.31	12.737	15	35.8	36.60	21	35.8	K2		C8	11021	C -3814514
52	8.3	7.3W	19 36.879	0.0010	13	-35 7 36.32	0.027	13	0.26	36.865	15	35.8	36.70	21	35.8	K0		C8	11024	C -3514738
53	9.7	9.4W	19 41.412	0.0019	13	-36 11 53.08	0.008	13	0.26	41.386	15	35.8	53.20	21	35.8	F8	L	C8	11025	C -3614764
54	11.1	10.4W	19 42.436	0.0019	21	-33 41 18.55	-0.038	21	0.42	42.403	22	32.7	17.89	21	32.7	G2	L	C7	11667	C -3415014
55	11.4	10.0W	19 47.653	0.0011	21	-34 13 44.36	0.025	21	0.42	47.633	22	32.7	44.79	21	32.7	K2	L	C7	11668	C -3415015
56	9.1	8.3W	19 48.828	0.0037	21	-33 52 56.72	-0.013	21	0.42	48.763	22	32.7	56.50	21	32.7	G5		C7	11669	C -3415016
57	10.8	9.9W	19 49.197	-0.0012	13	-35 4 57.38	-0.027	13	0.26	49.215	15	35.8	57.00	21	35.8	K0	L	C8	11027	C -3514741
58	10.2	9.0W	19 52.053	0.0025	13	-39 20 19.49	0.001	13	0.26	52.018	15	35.8	19.50	21	35.8	K0		C8	11028	C -3914228
59	10.9	9.4W	19 56.848	0.0008	18	-36 55 46.01	-0.001	18	0.31	56.837	15	35.8	46.00	21	35.8	K2	L	C8	11029	C -3714249
60	10.5	9.4W	19 58.342	0.0013	21	-30 14 0.57	-0.002	21	0.42	58.319	22	32.7	0.53	21	32.7	K0		C7	11670	C -3018551
61		7.6T	20 5.794	0.0270	20	-31 1 39.97	0.111	18	0.91	4.516	17	02.7	45.18	18	02.9	G0		GC	29922	C -3118229
62	10.6	9.9W	20 9.354	-0.0023	21	-34 28 17.55	-0.055	21	0.42	9.393	22	32.7	16.60	21	32.7	G2	L	C7	11672	C -3415018
63	10.8	9.7W	20 11.409	-0.0018	21	-31 45 25.98	-0.018	21	0.42	11.441	22	32.7	25.67	21	32.7	K2		C7	11673	C -3216550
64	9.3	9.2W	20 27.261	0.0023	08	-39 54 20.19	-0.049	08	0.22	27.228	15	35.8	19.50	21	35.8	F5		C8	11031	C -4014322
65		7.5T	20 27.272	0.0038	12	-37 56 35.48	-0.023	12	0.63	27.076	17	98.9	34.30	18	98.7	A2		GC	29932	C -3814519
66	9.5	8.8W	20 27.624	-0.0011	21	-33 0 9.60	-0.024	21	0.42	27.842	22	32.7	9.19	21	32.7	G0		C7	11674	C -3315543
67	9.6	9.0W	20 29.720	0.0096	21	-33 53 10.58	0.030	21	0.42	29.553	22	32.7	11.09	21	32.7	G0		C7	11675	C -3415022
68	7.9E	7.5H	20 31.116	0.0042	12	-39 59 35.45	-0.037	12	0.66	30.904	28	99.3	33.58	26	99.3	F5		CZ	19358	P -40 9531
69	9.6	9.6W	20 33.442	-0.0005	21	-31 44 47.82	-0.009	21	0.42	33.451	22	32.7	47.67	21	32.7	A0		C7	11676	C -3216552
70	10.9	10.5W	20 36.939	0.0052	18	-35 54 1.77	-0.019	18	0.31	36.866	15	35.8	1.50	21	35.8	F8	L	C8	11034	C -3614773
71	10.5	10.2W	20 52.118	-0.0018	21	-30 16 3.46	0.108	21	0.42	52.149	22	32.7	5.33	21	32.7			C7	11677	C -3018568
72	10.3	10.1W	20 58.253	-0.0001	13	-35 17 5.56	0.024	13	0.26	58.255	15	35.8	5.90	21	35.8	F8	L	C8	11035	C -3514752
73		10.1W	21 28.019	-0.0054	21	-33 23 40.33	-0.014	21	0.42	28.112	22	32.7	40.09	21	32.7			C7	11678	C -3315550
74		10.4W	21 29.627	-0.0117	21	-30 6 35.55	-0.007	21	0.42	29.829	22	32.7	35.43	21	32.7			C7	11679	C -3018578
75		7.0T	21 36.302	0.0009	13	-35 10 58.86	-0.014	12	0.66	36.257	17	99.4	58.13	18	98.4	K0		GC	29962K	C*-3514761
76	10.9	9.1W	21 40.049	-0.0024	21	-31 41 41.14	-0.016	21	0.42	40.091	22	32.7	40.87	21	32.7	K5		C7	11680	C -3216555
77	9.5	8.6W	21 44.375	0.0003	21	-31 19 7.93	-0.027	21	0.42	44.370	22	32.7	7.46	21	32.7	K0		C7	11681	C*-3118246
78	11.0	10.4W	21 53.315	-0.0001	18	-37 28 45.24	-0.038	18	0.31	53.317	15	35.8	44.70	21	35.8	G2	L	C8	11039	C -3714267
79	9.9	9.5W	21 53.768	0.0016	21	-32 7 45.99	-0.013	21	0.42	53.741	22	32.7	45.77	21	32.7	F5		C7	11682	C -3216559
80	11.1	10.5W	22 4.858	0.0022	18	-38 19 52.53	-0.023	18	0.31	4.827	15	35.8	52.20	21	35.8	F8	L	C8	11040	C -3814541
81	11.1	10.3W	22 7.367	-0.0021	21	-34 20 22.85	-0.067	21	0.42	7.403	22	32.7	21.70	21	32.7			C7	11683	C -3415041
82		7.0T	22 12.403	0.0007	12	-35 4 19.27	-0.090	11	0.62	12.368	15	99.7	14.55	18	97.7	F5		GC	29974	C -3514765
83		10.3W	22 14.969	-0.0003	21	-34 40 43.83	0.022	21	0.42	14.974	22	32.7	44.21	21	32.7			C7	11684	C -3514766
84	10.2	9.7W	22 17.635	-0.0007	13	-36 4 29.62	-0.030	13	0.26	17.646	15	35.8	29.20	21	35.8	G2	L	C8	11042	C -3614790
85	10.8	9.5W	22 25.015	-0.0011	21	-34 12 23.62	-0.036	21	0.42	25.033	22	32.7	22.99	21	32.7	K2		C7	11685	C -3415046
86	9.2	8.7W	22 29.556	0.0050	13	-35 48 1.01	-0.050	13	0.26	29.486	15	35.8	0.31	21	35.8	F8		C8	11043	C -3614792
87	10.1	9.2W	22 30.879	0.0001	13	-39 24 11.84	-0.031	13	0.26	30.878	15	35.8	11.40	21	35.8	G8	L	C8	11044	C -3914244
88	8.2	8.1W	22 34.529	-0.0020	13	-39 25 45.98	-0.006	13	0.26	34.557	15	35.8	45.90	21	35.8	A2		C8	11045	C -3914245
89		10.7W	22 35.942	-0.0034	21	-32 22 46.03	0.008	21	0.42	36.001	22	32.7	46.17	21	32.7			C7	11686	C -3216562
90	9.7	9.1W	22 38.004	0.0008	21	-31 48 2.07	-0.058	21	0.42	37.991	22	32.7	1.07	21	32.7	G0		C7	11687	C -3216563
91	10.4	10.0W	22 44.703	-0.0009	13	-35 57 54.31	-0.064	13	0.26	44.716	15	35.8	53.40	21	35.8	G	L	C8	11046	C -3614793
92		7.7T	22 45.491	-0.0026	20	-36 3 12.89	-0.050	20	0.93	45.612	21	04.0	10.60	22	04.3	K0		GC	29995	C -3614794
93	10.4	9.1W	22 45.783	0.0031	21	-30 5 1.22	0.041	21	0.42	45.729	22	32.7	1.93	21	32.7	K0		C7	11688	C -3018596
94	11.0	9.9W	22 52.044	-0.0002	21	-31 31 15.99	-0.001	21	0.42	52.041	22	32.7	15.97	21	32.7	K0	L	C7	11689	C -3118256
95	10.2	9.4W	22 56.830	-0.0023	21	-31 23 55.61	-0.066	21	0.42	56.870	22	32.7	54.46	21	32.7	K0		C7	11690	C -3118257
96	8.9	8.8W	23 5.793	0.0031	21	-30 8 46.46	-0.019	21	0.42	5.739	22	32.7	46.13	21	32.7	A5		C7	11691	C -3018600
97	10.0	8.7W	23 13.809	0.0030	13	-38 14 3.40	0.000	13	0.26	13.767	15	35.8	3.40	21	35.8	K5		C8	11048	C -3814550
98		5.7T	23 15.787	0.0150	06	-38 2 46.57	-0.005	07	0.29	15.148	10	07.5	46.35	12	07.1	K0		GC	30007	C -3814551
99	8.8	7.7W	23 23.333	0.0033	13	-36 39 34.98	-0.055	13	0.26	23.287	15	35.8	34.20	21	35.8	K2		C8	11050	C -3614802
00	10.1	9.3W	23 31.449	-0.0104	21	-31 24 27.20	-0.002	21	0.42	31.630	22	32.7	27.16	21	32.7	G0		C7	11692	C -3118262

213000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-30° 21H DM NUMBER
1	9.9	9.3W	21 23 32.315	-0.0043	21	-30 40 41.64	-0.051	21	0.42	32.390	22	32.7	40.76	21	32.7	G0	C7	11693	C -3018605
2	8.9	7.9W	23 42.943	0.0025	21	-30 42 21.37	-0.064	21	0.42	42.900	22	32.7	20.25	21	32.7	K2	C7	11695	C -3118263
3	9.3	8.4W	23 47.992	0.0019	05	-36 10 33.86	0.010	05	0.20	47.966	15	35.8	34.00	21	35.8	K0	C8	11051	C -3614808
4	9.3	8.2W	23 49.509	0.0017	13	-35 14 11.04	0.004	13	0.26	49.485	15	35.8	11.10	21	35.8	K0	C8	11052	C -3514782
5	10.0	9.0W	23 52.172	0.0005	21	-34 7 38.53	0.021	21	0.42	52.163	22	32.7	38.89	21	32.7	K0	C7	11696	C -3415062
6	10.1	9.3W	23 57.287	-0.0007	21	-31 26 56.07	-0.110	21	0.42	57.300	22	32.7	54.16	21	32.7	G5	C7	11697	C -3118265
7	10.0	9.8W	23 57.849	-0.0019	23	-35 46 22.11	-0.001	23	0.37	57.876	15	35.8	27.10	21	35.8	F5 L	C8	11053	C -3614809
8	8.4	8.8W	24 1.194	0.0025	21	-32 9 23.65	-0.034	21	0.42	1.151	22	32.7	23.07	21	32.7	B8	C7	11698	C -3216569
9	11.2	9.5W	24 5.780	0.0003	09	-36 9 20.94	-0.052	09	0.22	5.776	15	35.8	20.20	21	35.8	K L	C8	11054	C -3614811
10	9.2	7.8W	24 12.947	0.0037	13	-35 7 13.39	-0.056	13	0.26	12.895	15	35.8	12.60	21	35.8	K2	C8	11055	C -3514784
11	10.0	8.3W	24 17.010	-0.0012	18	-37 19 28.69	0.022	18	0.31	17.027	15	35.8	29.00	21	35.8	K5	C8	11056	C -3714287
12	8.8	8.4W	24 17.860	0.0016	21	-32 35 19.16	0.007	21	0.42	17.832	22	32.7	19.29	21	32.7	G0	C7	11700	C -3216572
13	9.2	9.1W	24 19.864	0.0018	21	-32 30 52.06	-0.068	21	0.42	19.832	22	32.7	50.89	21	32.7	A5	C7	11701	C -3216574
14	9.2	8.2W	24 21.626	0.0007	06	-37 3 22.44	0.004	06	0.20	21.617	15	35.8	22.50	21	35.8	K0	C8	11057	C -3714289
15	9.2	7.8W	24 30.676	0.0004	21	-31 3 50.50	0.015	21	0.42	30.670	22	32.7	50.75	21	32.7	K2	C7	11702	C -3118276
16	10.9	9.8W	24 31.154	-0.0055	21	-30 43 35.54	-0.045	21	0.42	31.250	22	32.7	34.75	21	32.7		C7	11703	C -3118277
17	9.2	8.2W	24 32.582	0.0046	21	-33 5 32.06	-0.062	21	0.42	32.502	22	32.7	30.99	21	32.7	K0	C7	11704	C -3315576
18	10.2	9.6W	24 32.901	-0.0024	21	-32 43 10.17	-0.005	21	0.42	32.942	22	32.7	10.09	21	32.7	F8	C7	11705	C -3315577
19	9.2	8.1W	24 38.543	0.0040	18	-38 29 18.76	-0.018	18	0.31	38.486	15	35.8	18.51	21	35.8	K0	C8	11058	C -3814559
20	9.4	8.6W	24 39.589	0.0015	13	-39 5 10.76	-0.004	13	0.26	39.568	15	35.8	10.70	21	35.8	G5	C8	11059	C -3914257
21	8.0	7.8W	24 40.443	0.0007	21	-32 0 50.67	-0.012	21	0.42	40.431	22	32.7	50.47	21	32.7	F2	C7	11706	C -3216576
22	9.7	9.4W	24 46.139	0.0009	21	-33 39 22.31	-0.007	21	0.42	46.123	22	32.7	22.19	21	32.7	F5	C7	11707	C -3315579
23	11.3	9.8W	24 48.056	0.0029	13	-35 6 10.74	-0.017	13	0.26	48.015	15	35.8	10.50	21	35.8	K0 L	C8	11060	C -3514787
24	10.0	9.7W	24 50.647	-0.0020	13	-36 27 24.47	0.030	13	0.26	50.676	15	35.8	24.90	21	35.8	F2 L	C8	11061	C -3614816
25	10.9	10.5W	24 55.366	0.0060	21	-33 13 11.96	-0.039	21	0.42	55.262	22	32.7	11.29	21	32.7		C7	11708	C -3315581
26	11.4	10.4W	24 55.656	-0.0042	18	-35 40 43.83	-0.066	18	0.31	55.716	15	35.8	42.90	21	35.8	K0 L	C8	11062	C -3614817
27	11.1	9.9W	24 58.833	0.0014	21	-30 13 22.41	0.013	21	0.42	58.809	22	32.7	22.63	21	32.7		C7	11709	C -3018617
28	9.1	9.1W	25 23.011	-0.0001	21	-32 35 19.63	0.015	21	0.42	23.013	22	32.7	19.89	21	32.7	A5	C7	11711	C -3216581
29	8.6	8.4W	25 27.469	-0.0001	21	-32 26 23.77	-0.012	21	0.42	27.471	22	32.7	23.57	21	32.7	F0	C7	11712	C -3216583
30	10.3	9.5W	25 43.185	0.0015	21	-30 40 52.50	-0.008	21	0.42	43.160	22	32.7	52.36	21	32.7	K0	C7	11713	C -3118284
31	11.5	10.5W	25 45.967	0.0015	13	-36 29 41.01	-0.008	13	0.26	45.946	15	35.8	40.90	21	35.8	K0 L	C8	11063	C -3614822
32	8.8	7.7W	25 48.064	0.0041	18	-37 37 20.41	-0.008	18	0.31	48.006	15	35.8	20.30	21	35.8	K2	C8	11064	C -3714299
33	10.6	10.3W	25 50.614	0.0049	21	-30 8 8.96	-0.019	21	0.42	50.529	22	32.7	8.63	21	32.7		C7	11714	C -3018628
34		6.6T	26 4.793	0.0018	06	-31 27 26.99	-0.008	05	0.23	4.718	07	09.1	26.63	07	07.2	A0	GC	30067	C*-3118291
35	8.4	8.2W	26 12.227	0.0021	13	-39 2 49.10	0.049	13	0.26	12.197	15	35.8	49.80	21	35.8	F2	C8	11065	C*-3914273
36		7.5T	26 24.645	0.0026	14	-38 18 15.77	-0.004	10	0.64	24.515	18	00.5	15.56	21	98.0	G5	GC	30070	C -3814569
37	7.9	8.2W	26 26.191	0.0024	21	-30 37 50.25	-0.011	21	0.42	26.150	22	32.7	50.05	21	32.7	A2	C7	11716	C -3018639
38	9.8	8.6W	26 27.777	0.0015	21	-32 12 50.21	-0.008	21	0.42	27.751	22	32.7	50.07	21	32.7	K2	C7	11717	C -3216590
39	8.8	8.6W	26 28.678	-0.0001	21	-30 51 3.47	-0.203	21	0.42	28.680	22	32.7	59.95	21	32.7	G0	C7	11718	C -3118295
40	8.3	8.2W	26 33.427	0.0077	06	-38 33 55.99	-0.013	06	0.20	33.317	15	35.8	55.80	21	35.8	F0	C8	11067	C -3814571
41	10.5	9.5W	26 35.359	-0.0029	21	-30 48 19.63	-0.062	21	0.42	35.410	22	32.7	18.55	21	32.7		C7	11719	C -3118298
42	10.5	10.0W	26 36.778	0.0043	18	-37 4 38.15	-0.018	18	0.31	36.717	15	35.8	37.90	21	35.8	G0 L	C8	11068	C -3714307
43		10.5W	26 38.846	0.0018	21	-34 31 23.94	-0.025	21	0.42	38.814	22	32.7	23.51	21	32.7		C7	11720	C*-3415091
44		7.1T	26 44.426	-0.0030	13	-37 54 40.07	-0.065	12	0.68	44.582	19	97.3	36.72	18	98.5	G0	GC	30079	C*-3814572
45	11.2	9.6W	26 52.787	0.0014	21	-32 41 51.61	-0.013	21	0.42	52.762	22	32.7	51.39	21	32.7		C7	11721	C -3315605
46	9.6	9.2W	27 6.663	0.0031	21	-30 20 21.52	-0.005	21	0.42	6.609	22	32.7	21.43	21	32.7	F8	C7	11722	C -3018646
47	10.4	9.4W	27 9.711	0.0016	21	-33 39 35.07	-0.016	21	0.42	9.683	22	32.7	34.79	21	32.7	K0	C7	11723	C -3315606
48	11.3	9.9W	27 14.306	-0.0002	21	-31 15 43.33	-0.033	21	0.42	14.310	22	32.7	42.76	21	32.7		C7	11724	C -3118308
49	11.3	10.7W	27 24.125	-0.0014	13	-35 1 38.23	-0.094	13	0.26	24.145	15	35.8	36.90	21	35.8		C8	11071	C -3514815
50	11.5	10.9W	27 25.495	0.0043	13	-35 1 53.71	-0.022	13	0.26	25.435	15	35.8	53.41	21	35.8		C8	11072	C -3514815
51	9.2	8.2W	21 27 27.048	0.0037	13	-36 13 5.36	-0.004	13	0.26	26.996	15	35.8	5.30	21	35.8	K2	C8	11073	C -3614833
52	10.7	9.9W	27 31.764	-0.0017	13	-38 51 23.21	-0.043	13	0.26	31.788	15	35.8	22.60	21	35.8	G5 L	C8	11074	C -3914284
53	10.6	9.5W	27 35.769	-0.0018	21	-32 22 21.98	0.022	21	0.42	35.801	22	32.7	22.37	21	32.7		C7	11725	C -3216603
54	7.7	7.5W	27 35.860	-0.0012	13	-38 51 27.24	-0.031	13	0.26	35.877	15	35.8	26.80	21	35.8	F5	C8	11075	C -3914285
55	10.6	10.1W	27 41.782	0.0017	21	-32 36 28.26	-0.091	21	0.42	41.752	22	32.7	26.69	21	32.7		C7	11726	C -3216605
56	9.7	9.5W	27 44.479	0.0022	18	-38 44 2.93	-0.016	18	0.31	44.448	15	35.8	2.71	21	35.8	F0	C8	11076	C -3914286
57	10.4	9.9W	27 44.605	0.0030	21	-34 11 37.94	-0.049	21	0.42	44.553	22	32.7	37.09	21	32.7	G0	C7	11727	C -3415097
58		7.6T	27 53.533	-0.0023	14	-36 46 3.33	0.049	11	0.62	53.637	15	04.1	5.67	17	02.1	F2	GC	30115K	C*-3714317
59	10.3	9.4W	27 58.330	-0.0008	21	-33 37 23.63	-0.031	21	0.42	58.343	22	32.7	23.09	21	32.7	K0	C7	11728	C -3315614
60	10.6	10.2W	28 3.687	-0.0008	21	-31 33 6.55	-0.091	21	0.42	3.701	22	32.7	4.97	21	32.7	G5 L	C7	11729	C -3118316
61	10.2	9.7W	28 7.296	0.0015	13	-35 26 7.09	-0.091	13	0.26	7.275	15	35.8	5.80	21	35.8	G5 L	C8	11079	C -3514818
62	10.3	9.5W	28 13.048	0.0005	21	-30 51 54.62	-0.015	21	0.42	13.040	22	32.7	54.36	21	32.7	K0 L	C7	11730	C -3118319
63	10.4	9.4W	28 21.327	0.0008	21	-34 6 40.22	-0.013	21	0.42	21.313	22	32.7	39.99	21	32.7	K2	C7	11731	C -3415101
64	9.1	8.8W	28 25.099	0.0080	21	-31 59 10.19	-0.111	21	0.42	24.961	22	32.7	8.27	21	32.7	F5	C7	11732	C -3216614
65	10.0	9.4W	28 27.003	0.0020	13	-35 19 47.39	-0.056	13	0.26	26.975	15	35.8	46.60	21	35.8	G5 L	C8	11080	C -3514822
66	10.6	9.5W	28 34.555	-0.0008	21	-31 2 1.49	-0.002	21	0.43	34.570	22	32.2	1.45	21	32.2		C7	11733	C -3118321
67	8.3	8.0W	28 36.727	-0.0005	13	-35 17 54.57	-0.026	13	0.26	36.735	15	35.8	54.21	21	35.8	F2	C8	11081	C -3514823
68	9.8		28 40.542	0.0053	18	-37 19 49.97	0.058	18	0.31	40.467	15	35.8	50.58	21	35.8	G0	C8	11082	C -3714327
69	11.4	10.5W	28 42.044	0.0011	21	-34 52 14.32	-0.012	21	0.43	42.024	22	32.2	14.11	21	32.2		C7	11734	C -3514825
70	9.5	9.2W	28 44.549	0.0044	10	-37 22 35.95	0.003	10	0.23	44.487	15	35.8	36.00	21	35.8	F8	C8	11083	C -3714329
71	8.8	8.5W	28 45.352	0.0033	13	-35 47 27.53	0.019	13	0.26	45.306	15	35.8	27.81	21	35.8	F5	C8	11084	C -3614844
72	7.9	8.0W	28 50.603	0.0007	21	-31 46 8.91	-0.042	21	0.43	50.591	22	32.2	8.17	21	32.2	F2	C7	11735	C -3216620
73	10.1	9.3W	28 55.232	-0.0003	13	-37 38 34.21	-0.029	13	0.26	55.236	15	35.8	33.80	21	35.8	G5	C8	11086	C -3714331
74	9.1	9.0W	28 57.186	0.0028	18	-37 59 27.24	-0.010	18	0.31	57.147	15	35.8	27.10	21	35.8	A3	C8	11085	C -3814590
75	10.0	9.4W	28 58.234	-0.0016	21	-33 29 58.32	-0.019	21	0.43	58.262	22	32.2	57.99	21	32.2	G5	C7	11736	C -3315619
76	10.5		29 7.453	-0.0037	13	-34 56 4.78	-0.040	13	0.26	7.505	15	35.8	4.21	21	35.8	F2 L	C8	11088	C -3514833
77	10.4	10.4W	29 9.126	-0.0024	21	-30 7 44.13	0.045	21	0.43	9.169	22	32.2	44.93	21	32.2		C7	11737	C -3018670
78		6.0H	29 13.447	0.0003	03	-34 9 57.86	-0.002	03	0.12	13.435	06	15.4	57.78	06	17.0	A2	F4	1566	C -3415110
79	10.8	9.7W	29 16.344	0.0017	21	-33 47 34.15	-0.003	21	0.43	16.313	22	32.2	34.09	21	32.2		C7	11739	C -3415111
80	10.0	10.0W	29 20.935	-0.0003	21	-31 34 43.03	-0.009	21	0.43	20.941	22	32.2	42.87	21	32.2	F8	C7	11740	C -3118330
81	8.8	8.5W	29 35.827	0.0136	21	-34 33 53.39	-0.005	21	0.43	35.584	22	32.2	53.30	21	32.2	G0	C7	11741	C -3415114
82	9.6	9.4W	29 41.084	0.0000	21	-34 49 35.39	-0.016	21	0.43	41.084	22	32.2	35.10	21	32.2	F8	C7	11742	C -3514839
83	10.6		29 43.313	-0.0002	18	-35 58 22.10	0.000	18	0.31	43.316	15	35.8	22.10	21	35.8	A0 L	C8	11089	C -3614849
84	10.9	10.5W	29 58.555	0.0025	21	-32 2 12.77	0.056	21	0.43	58.511	22	32.2	13.77	21	32.2		C7	11743	C -3216631
85	9.4	8.6W	30 2.893	0.0043	21	-30 21 44.22	-0.011	21	0.43	2.815	22	32.2	44.03	21	32.2	K0	C7	11744	C -3018679
86	9.5	9.1W	30 15.783	0.0083	08	-39 39 18.34	-0.164	08	0.22	15.664	15	35.8	16.02	21	35.8	F8	C8	11090	C -3914306
87	8.4	7.9W	30 36.630	0.0084	06	-35 9 59.55	-0.193	06	0.20	36.511	15	35.8	56.82	21	35.8	F8	C8	11092	C -3514845
88	10.8	10.6W	30 38.420	-0.0037	21	-30 42 15.70	0.009	21	0.43	38.487	22	32.2	15.86	21	32.2		C7	11745	C -3118340
89	10.6	9.8W	30 40.595	0.0002	13	-35 37 38.91	-0.014	13	0.26	40.592	15	35.8	38.72	21	35.8	K2 L	C8	11093	C -3514846
90	9.4	9.6W	30 40.904	0.0015	18	-37 43 59.06	-0.017	18	0.31	40.882	15	35.8	58.82	21	35.8	A2	C8	11094	C -3814606
91	11.1	10.4W	30 41.458	-0.0010	21	-30 42 8.15	0.006	21	0.43	41.477	22	32.2	8.25	21	32.2		C7	11746	C -3118341
92	10.6		30 47.764	-0.0034	13	-35 39 13.10	-0.471	13	0.26	47.812	15	35.8	6.42	21	35.8	B8 L	C8	11095	C -3514849
93	10.1	9.9W	30 49.576	-0.0012	18	-38 19 48.82	0.007	18	0.31	49.592	15	35.8	48.92	21	35.8	A5	C8	11096	C -3814608
94	10.5	9.6W	30 58.228	0.0004	13	-36 4 42.60	-0.006	13	0.26	58.222	15	35.8	42.52	21	35.8	G8 L	C8	11097	C -3614862
95	9.1	8.9W	31 8.158	0.0051	21	-31 53 10.31	0.020	21	0.43	8.067	22	32.2	10.67	21	32.2	F2	C7	11747	C -3216638
96	8.8	8.7W	31 8.272	-0.0002	21	-30 18 52.97	-0.030	21	0.43	8.275	22	32.2	52.43	21	32.2	F8	C7	11748	C -3018694
97	11.3	9.9W	31 8.922	0.0020	21	-30 6 20.55	0.044	21	0.43	8.885	22	32.2	21.33	21	32.2		C7	11749	C -3018695
98	10.7		31 15.647	0.0004	13	-36 12 37.24	-0.002	13	0.26	15.641	15	35.8	37.22	21	35.8	G2 L	C8	11098	C -3614868
99	10.6	9.6W	31 21.989	0.0013	13	-35 8 47.41	-0.021	13	0.26	21.971	15	35.8	47.12	21	35.8	K2 L	C8	11099	C -3514856
00	10.2	9.3W	31 27.997	-0.0013	21	-34 1 42.32	0.004	21	0.43	28.019	22	32.2	42.39	21	32.2	K2	C7	11750	C -3415129

213100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 21H DM NUMBER
1	10.8	10.3W	21 31 33.588	0.0001	21	-31 25 33.61	0.031	21	0.43	33.587	22	32.2	34.15	21	32.2		C7	11751	C -3118346
2	8.6	8.2W	31 34.732	-0.0022	13	-39 45 0.64	-0.058	13	0.26	34.764	15	35.8	-59.82	21	35.8	G5	C8	11150	C -4014404
3		6.9T	31 36.293	-0.0011	13	-36 52 12.04	0.003	12	0.64	36.347	15	01.5	12.18	18	00.1	K2	GC	30197	C -3714356
4	10.3	10.1W	31 37.204	0.0058	13	-36 6 14.66	-0.024	13	0.26	37.121	15	35.8	14.32	21	35.8	F5 L	C8	11102	C -3614875
5	10.3	10.2W	31 40.686	-0.0017	13	-35 21 57.21	-0.035	13	0.26	40.710	15	35.8	56.72	21	35.8	G0 L	C8	11103	C -3614858
6	9.5	9.3W	31 43.253	0.0004	21	-30 16 3.09	0.092	21	0.43	43.245	22	32.2	4.73	21	32.2	F2	C7	11752	C -3018700
7	10.5	9.2W	31 45.564	0.0031	21	-32 50 53.47	-0.044	21	0.43	45.509	22	32.2	52.69	21	32.2	K5	C7	11753	C -3315642
8	10.9		31 49.279	-0.0030	18	-36 24 52.28	-0.012	18	0.31	49.322	15	35.8	52.12	21	35.8	A0 L	C8	11104	C -3614871
9	10.3	9.5W	31 56.761	0.0035	13	-35 37 35.44	-0.016	13	0.26	56.712	15	35.8	35.21	21	35.8		C8	11105	C -3514860
10	10.8	10.2W	31 56.783	-0.0006	13	-35 55 56.24	-0.030	13	0.26	56.792	15	35.8	55.82	21	35.8	G8 L	C8	11106	C -3614873
11	9.4	9.0W	31 57.731	-0.0036	13	-39 1 3.10	-0.020	13	0.26	57.783	15	35.8	2.82	21	35.8	G0	C8	11107	C -3914316
12	11.3	10.3W	32 1.474	0.0003	21	-33 3 32.39	-0.012	21	0.43	1.469	22	32.2	32.19	21	32.2		C7	11754	C -3315648
13	10.4	10.6W	32 4.922	-0.0008	21	-30 54 11.42	0.025	21	0.43	4.937	22	32.2	11.86	21	32.2	A5 L	C7	11755	C -3118355
14	10.0	8.9W	32 7.043	0.0028	07	-36 52 56.27	-0.025	07	0.21	7.002	15	35.8	55.92	21	35.8	K0	C8	11108	C -3714361
15		6.9T	32 12.528	0.0043	13	-34 33 5.44	-0.089	12	0.63	12.326	14	02.5	1.12	15	01.5	G0	GC	30210	C -3415135
16	11.4	10.2W	32 12.708	-0.0027	21	-30 46 2.54	-0.010	21	0.43	12.757	22	32.2	2.35	21	32.2		C7	11757	C*-3118357
17	10.4	10.4W	32 19.443	-0.0015	21	-34 42 43.29	-0.016	21	0.43	19.470	22	32.2	43.00	21	32.2	G0 L	C7	11758	C -3514864
18	10.3	10.5W	32 22.490	0.0008	21	-30 44 26.55	0.012	21	0.43	22.477	22	32.2	26.76	21	32.2	A0 L	C7	11759	C -3118360
19	10.5	9.7W	32 38.351	0.0027	18	-38 2 2.50	-0.020	18	0.31	38.312	15	35.8	2.22	21	35.8	K0	C8	11110	C -3814621
20	10.2	9.6W	32 47.623	0.0002	21	-32 41 7.01	-0.024	21	0.43	47.619	22	32.2	6.58	21	32.2	G5	C7	11761	C -3315655
21	11.1	10.4W	32 48.890	-0.0009	21	-30 24 42.15	0.010	21	0.43	48.905	22	32.2	42.33	21	32.2		C7	11762	C -3018710
22	10.7	10.0W	32 52.235	-0.0020	13	-36 38 22.11	-0.014	13	0.26	52.262	15	35.8	21.92	21	35.8	K0 L	C8	11111	C -3614877
23	11.0	9.2W	32 57.896	-0.0017	21	-30 47 42.05	-0.050	21	0.43	57.927	22	32.2	41.15	21	32.2		C7	11763	C -3118365
24	9.9	10.2W	33 4.302	-0.0014	21	-31 53 31.91	-0.019	21	0.43	4.327	22	32.2	31.57	21	32.2	A0 L	C7	11764	C -3216650
25	9.8	9.4W	33 13.577	0.0017	18	-37 29 25.47	-0.060	18	0.31	13.552	15	35.8	24.62	21	35.8	F5	C8	11112	C -3714372
26	10.1	9.8W	33 14.461	0.0012	21	-33 55 55.25	-0.026	21	0.43	14.439	22	32.2	54.79	21	32.2	F8	C7	11765	C -3415149
27	10.3	9.1W	33 17.346	0.0003	13	-36 14 25.97	-0.011	13	0.26	17.341	15	35.8	25.82	21	35.8	K5	C8	11113	C -3614881
28	9.5	7.7W	33 18.328	0.0012	13	-35 24 15.15	-0.052	13	0.26	18.310	15	35.8	14.42	21	35.8	K5	C8	11114	C -3514868
29	9.5	9.2W	33 18.555	0.0005	21	-30 54 4.57	-0.034	21	0.43	18.547	22	32.2	3.95	21	32.2	F8	C7	11766	C -3118367
30	9.5	9.1W	33 19.237	-0.0011	21	-30 39 6.35	-0.016	21	0.43	19.257	22	32.2	6.06	21	32.2	F8	C7	11767	C -3018718
31	9.1	8.6W	33 22.450	-0.0045	13	-38 50 43.80	0.022	13	0.26	22.513	15	35.8	44.12	21	35.8	F8	C8	11115	C -3914332
32	10.0	9.9W	33 23.729	-0.0010	18	-38 8 19.54	-0.023	18	0.31	23.742	15	35.8	19.22	21	35.8	F2	C8	11116	C -3814629
33	10.3	8.8W	33 38.200	0.0012	21	-33 19 13.75	0.030	21	0.43	38.179	22	32.2	14.29	21	32.2	K2	C7	11768	C -3315662
34	10.7	9.7W	33 41.203	0.0009	21	-32 25 37.75	-0.027	21	0.43	41.183	22	32.2	37.27	21	32.2		C7	11769	C -3216655
35		8.5Q	33 48.823	0.0076	09	-36 6 38.64	-0.021	10	0.42	48.498	14	07.5	37.77	15	09.0	G0	GC	30242	C -3614887
36		6.1T	33 48.984	0.0071	06	-33 16 21.67	0.000	05	0.29	48.663	12	04.5	21.68	12	01.1	A5	GC	30243	C*-3315664
37	8.4	8.1W	33 49.839	0.0069	21	-30 56 57.08	-0.001	21	0.43	49.717	22	32.2	57.06	21	32.2	G0	C7	11771	C -3118372
38	9.7	9.6W	33 55.070	-0.0028	21	-33 43 50.72	-0.018	21	0.43	55.119	22	32.2	50.40	21	32.2	A5	C7	11772	C -3415146
39		7.4T	33 55.292	0.0082	14	-36 6 33.07	-0.027	12	0.68	54.895	17	01.8	31.72	18	00.3	F2	GC	30244	C*-3614888
40	10.0	9.7W	33 56.151	0.0001	21	-33 28 23.11	-0.080	21	0.43	56.149	22	32.2	21.68	21	32.2	G2 L	C7	11773	C -3315666
41	9.2	8.5W	34 10.434	-0.0018	21	-30 47 0.67	-0.034	21	0.43	10.467	22	32.2	0.05	21	32.2	K0	C7	11774	C -3118373
42	10.5	10.3W	34 13.879	0.0027	21	-34 48 40.37	-0.009	21	0.43	13.830	22	32.2	40.21	21	32.2		C7	11776	C -3514877
43	10.5	9.9W	34 22.337	0.0000	21	-32 16 45.23	-0.054	21	0.43	22.337	22	32.2	44.27	21	32.2		C7	11777	C -3216661
44	10.4	9.6W	34 23.305	0.0037	21	-32 32 13.97	-0.022	21	0.43	23.259	22	32.2	13.59	21	32.2		C7	11778	C -3216662
45	10.1	8.7W	34 27.689	-0.0004	21	-30 59 13.28	-0.057	21	0.43	27.697	22	32.2	12.26	21	32.2	K5	C7	11779	C -3118376
46	10.9	9.9W	34 40.137	-0.0013	21	-34 14 50.22	0.021	21	0.43	40.159	22	32.2	50.59	21	32.2		C7	11780	C -3415152
47	10.6	10.5W	34 42.991	-0.0016	21	-34 25 42.46	-0.015	21	0.43	43.019	22	32.2	42.19	21	32.2		C7	11781	C -3415153
48	10.6	10.3W	34 49.347	0.0055	21	-32 52 18.87	-0.022	21	0.43	49.249	22	32.2	18.49	21	32.2		C7	11783	C -3315670
49	10.2	9.4W	34 51.649	0.0019	13	-36 28 28.43	-0.022	13	0.26	51.622	15	35.8	28.12	21	35.8	G5	C8	11120	C -3614897
50	9.7	8.5W	34 58.401	-0.0027	21	-34 54 16.48	-0.027	21	0.43	58.450	22	32.2	16.00	21	32.2	K5	C7	11785	C -3514879
51	8.9	8.0W	21 35 1.147	0.0031	18	-37 23 23.27	0.010	18	0.31	1.102	15	35.8	23.42	21	35.8	K0	C8	11121	C -3714306
52	8.8	8.6W	35 10.229	0.0029	21	-31 57 43.91	-0.098	21	0.43	10.177	22	32.2	42.17	21	32.2	F8	C7	11786	C -3216667
53	9.9	10.1W	35 14.037	-0.0007	21	-34 43 6.44	-0.013	21	0.43	14.050	22	32.2	6.21	21	32.2	F5	C7	11787	C -3514881
54	10.5	10.3W	35 15.315	-0.0023	21	-30 0 1.91	0.012	21	0.43	15.355	22	32.2	2.13	21	32.2	G0 L	C7	11788	C -3018743
55	10.7	10.6W	35 17.871	-0.0005	21	-33 45 23.13	-0.013	21	0.43	17.879	22	32.2	22.90	21	32.2		C7	11789	C -3415159
56	9.7	9.0W	35 19.468	0.0024	13	-39 32 19.63	0.006	13	0.26	19.434	15	35.8	19.72	21	35.8	G0	C8	11123	C -3914351
57	9.7	9.4W	35 23.093	0.0027	13	-39 39 14.84	-0.016	13	0.26	23.054	15	35.8	14.62	21	35.8	F5	C8	11124	C -3914352
58	10.2	9.6W	35 41.309	-0.0001	13	-35 5 8.39	-0.041	13	0.26	41.310	15	35.8	7.82	21	35.8	K0 L	C8	11125	C -3514888
59	10.1	9.4W	35 41.983	0.0013	21	-33 34 48.54	0.003	21	0.43	41.959	22	32.2	48.59	21	32.2	G5	C7	11791	C -3315677
60	10.6	10.5W	35 47.241	0.0006	18	-38 40.01	-0.028	18	0.31	47.235	15	35.8	39.62	21	35.8	G0 L	C8	11126	C -3814656
61	9.8	9.6W	35 49.171	-0.0038	21	-34 33 56.26	-0.037	21	0.43	49.240	22	32.2	55.60	21	32.2	F8	C7	11792	C -3415160
62	10.8	10.0W	35 50.816	0.0004	13	-35 0 54.36	-0.010	13	0.26	50.810	15	35.8	54.22	21	35.8	K0 L	C8	11127	C -3514892
63	8.5	8.3W	35 56.341	0.0047	21	-32 8 7.89	-0.018	21	0.43	56.257	22	32.2	7.57	21	32.2	F5	C7	11793	C -3216677
64	9.1	7.4W	35 57.379	0.0017	13	-39 45 16.97	-0.004	13	0.26	57.354	15	35.8	16.91	21	35.8	K5	C8	11128	C -4014440
65	10.0	10.0W	35 57.670	-0.0037	23	-36 33 59.30	-0.027	23	0.37	57.722	15	35.8	58.92	21	35.8	K0 L	C8	11129	C -3614905
66	11.1	9.8W	35 58.549	-0.0034	21	-34 12 10.11	0.016	21	0.43	58.609	22	32.2	10.40	21	32.2		C7	11794	C -3415161
67	10.5	10.2W	36 2.971	-0.0001	18	-36 40 22.94	-0.065	18	0.31	2.972	15	35.8	22.02	21	35.8	G5 L	C8	11130	C -3714392
68		6.5T	36 5.992	0.0053	12	-33 54 17.46	-0.048	11	0.64	5.721	18	98.5	14.88	18	96.2	K0	GC	30292	C -3415163
69	10.0	9.1W	36 14.232	0.0007	21	-33 57 50.47	0.007	21	0.43	14.219	22	32.2	50.59	21	32.2	K0	C7	11796	C -3415165
70	8.5	8.1W	36 17.025	0.0107	05	-37 21 59.95	-0.073	05	0.20	16.872	15	35.8	58.92	21	35.8	G0	C8	11133	C -3714396
71	10.2	8.6W	36 18.251	0.0007	13	-35 13 51.63	-0.029	13	0.26	18.241	15	35.8	51.22	21	35.8	K5	C8	11134	C -3514897
72	11.6	10.7W	36 19.737	-0.0005	21	-31 3 35.98	-0.018	21	0.43	19.747	22	32.2	33.66	21	32.2		C7	11797	C -3118388
73	9.6	8.7W	36 19.992	-0.0015	09	-37 51 15.34	-0.023	09	0.22	20.012	15	35.8	15.02	21	35.8	K0	C8	11135	C -3814662
74	10.4	9.3W	36 20.342	0.0007	21	-33 57 33.22	0.010	21	0.43	20.329	22	32.2	33.39	21	32.2	K0 L	C7	11798	C -3415166
75	8.9	7.5W	36 23.392	-0.0008	21	-30 31 52.48	-0.018	21	0.43	23.407	22	32.2	52.15	21	32.2	MA	C7	11799	C*-3018752
76	9.8	9.0W	36 27.205	-0.0031	21	-33 51 53.71	-0.057	21	0.43	27.259	22	32.2	52.69	21	32.2	K2	C7	11800	C -3415168
77	10.5	9.7W	36 28.552	0.0015	13	-35 11 42.53	-0.043	13	0.26	28.531	15	35.8	41.92	21	35.8	K5 L	C8	11136	C -3514900
78	9.2	8.9W	36 33.765	-0.0041	18	-36 53 6.68	-0.047	18	0.31	33.822	15	35.8	6.02	21	35.8	F8	C8	11137	C -3714397
79	9.0	8.0W	36 34.187	-0.0040	13	-39 25 57.98	-0.019	13	0.26	34.243	15	35.8	57.72	21	35.8	K0	C8	11138	C -3914366
80	10.1	9.8W	36 39.063	0.0000	10	-37 51 42.94	-0.037	10	0.23	39.062	15	35.8	42.42	21	35.8	G0	C8	11139	C -3814663
81	9.5	8.7W	36 41.645	-0.0002	21	-32 59 6.68	-0.039	21	0.43	41.649	22	32.2	5.99	21	32.2	K2	C7	11801	C -3315686
82	10.4	9.2W	36 45.103	-0.0009	21	-32 30 45.10	-0.001	21	0.43	45.119	22	32.2	45.08	21	32.2	K5	C7	11802	C -3216685
83	9.2	9.2W	36 52.702	0.0007	21	-34 20 18.56	0.002	21	0.43	52.689	22	32.2	18.59	21	32.2	A3	C7	11803	C -3415173
84	8.5	8.3W	36 54.079	0.0026	13	-36 4 9.74	-0.009	13	0.26	54.042	15	35.8	9.62	21	35.8	F2	C8	11140	C -3614913
85	9.9	9.2W	37 4.564	-0.0003	21	-33 25 0.68	-0.050	21	0.43	4.569	22	32.2	-59.79	21	32.2	G5	C7	11804	C -3315690
86	10.6	10.4W	37 4.628	0.0010	21	-34 5 58.92	-0.035	21	0.43	4.609	22	32.2	58.30	21	32.2		C7	11805	C -3415177
87	9.6	8.7W	37 5.476	-0.0012	13	-39 7 5.84	0.012	13	0.26	5.493	15	35.8	6.02	21	35.8	G5	C8	11141	C -3914369
88	10.0	9.9W	37 5.776	0.0025	21	-34 48 6.27	-0.043	21	0.43	5.730	22	32.2	5.50	21	32.2	G0	C7	11806	C -3514905
89	10.2	10.0W	37 16.655	-0.0006	21	-30 51 26.84	0.007	21	0.43	16.667	22	32.2	26.96	21	32.2	G0 L	C7	11807	C -3118395
90		6.7T	37 27.062	-0.0048	12	-34 45 38.54	-0.095	11	0.62	27.297	15	00.5	33.65	18	98.5	K0	GC	30324	C -3514906
91	10.8	9.9W	37 39.343	-0.0008	21	-32 3 32.86	-0.022	21	0.43	39.357	22	32.2	32.47	21	32.2		C7	11809	C -3216690
92	10.0	9.1W	37 39.510	0.0012	18	-37 18 18.67	-0.025	18	0.31	39.492	15	35.8	18.32	21	35.8	G5	C8	11143	C -3714408
93	10.2	9.6W	37 50.570	-0.0040	21	-34 31 46.13	0.010	21	0.43	50.640	22	32.2	46.30	21	32.2	K0 L	C7	11810	C -3415182
94	10.1	9.0W	37 51.574	-0.0018	21	-31 15 52.80	-0.019	21	0.43	51.607	22	32.2	52.46	21	32.2	K5	C7	11811	C -3118401
95	9.1	9.1W	37 52.615	0.0022	21	-30 54 3.46	-0.028	21	0.43	52.577	22	32.2	2.95	21	32.2	F0	C7	11812	C -3118402
96		8.1T	37 55.237	0.0004	13	-34 44 52.62	-0.012	13	0.70	55.215	17	00.0	52.01	21	99.3	M8	GC	30332	C*-3514910
97	10.1	9.9W	37 58.295	0.0037	21	-33 8 38.13	0.003	21	0.43	58.229	22	32.2	38.19	21	32.2	G0 L	C7	11815	C -3315699
98	10.8	10.7W	37 58.894	0.0044	21	-30 25 12.89	-0.054	21	0.43	58.815	22	32.2	11.93	21	32.2		C7	11816	C -3018767
99	9.3	8.2W	38 1.521	0.0030	21	-32 9 2.97	0.022	21	0.43	1.467	22	32.2	3.37	21	32.2	K2	C7	11817	C -3216696
00	8.7	8.5W	38 2.550	-0.0001	13	-35 52 23.47	0.017	13	0.26	2.552	15	35.8	23.72	21	35.8	F0	C8	11144	C -3614928

213200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 21H DM NUMBER
1	11.6		21 38 8.432	-0.0084	23	-35 11 0.62	-0.064	23	0.37	8.551	15	35.8	-59.72	21	35.8		C8	11145	C -3514913
2	10.7		38 13.070	-0.0030	18	-38 29 25.20	0.008	18	0.31	13.112	15	35.8	25.32	21	35.8	F8 L	C8	11146	C -3814674
3		7.0T	38 17.246	-0.0023	13	-35 48 46.64	0.017	11	0.62	17.352	15	02.9	47.48	15	00.4	K0	GC	30340	C*-3614930
4	10.4	10.2W	38 28.640	0.0017	21	-34 26 51.90	-0.023	21	0.43	28.609	22	32.2	51.49	21	32.2		C7	11818	C -3415189
5	10.1	9.3W	38 32.711	0.0029	21	-32 49 3.90	-0.029	21	0.43	32.659	22	32.2	3.39	21	32.2	K2	C7	11819	C -3315705
6		7.0T	38 40.910	0.0059	11	-32 45 30.12	-0.060	12	0.60	40.609	15	98.7	27.08	18	99.2	K0	GC	30348	C -3315706
7	10.7	10.0W	38 41.470	0.0006	21	-34 26 12.40	0.028	21	0.43	41.459	22	32.2	12.90	21	32.2		C7	11821	C -3415193
8	9.0	8.8W	38 44.586	-0.0025	08	-35 48 12.01	-0.070	08	0.22	44.622	15	35.8	11.02	21	35.8	F0	C8	11148	C -3614934
9	10.5	10.3W	38 51.200	0.0033	18	-37 23 27.85	-0.024	18	0.31	51.152	15	35.8	27.52	21	35.8		C8	11149	C -3714419
10	10.6	9.6W	38 57.260	0.0006	13	-35 57 26.03	0.013	13	0.26	57.252	15	35.8	26.22	21	35.8	K0 L	C8	11150	C -3614935
11	9.2	8.3W	39 2.897	0.0010	09	-37 16 35.91	0.000	09	0.22	2.882	15	35.8	35.92	21	35.8	K0	C8	11152	C -3714424
12	8.5	8.4W	39 3.334	0.0027	21	-31 29 23.31	-0.025	21	0.43	3.287	22	32.2	22.86	21	32.2	F5	C7	11822	C -3114807
13	11.2	10.2W	39 5.905	-0.0019	13	-35 33 47.67	-0.025	13	0.26	5.932	15	35.8	47.32	21	35.8		C8	11153	C -3514918
14	11.5	10.5W	39 7.715	-0.0096	21	-30 49 22.08	-0.040	21	0.43	7.887	22	32.2	21.36	21	32.2		C7	11824	C -3114809
15		7.2T	39 14.366	-0.0004	11	-32 44 6.36	0.027	12	0.63	14.389	18	98.1	7.78	18	97.8	K2	GC	30368	C -3315711
16	11.2		39 18.705	0.0003	23	-35 11 26.52	-0.036	23	0.37	18.700	15	35.8	26.02	21	35.8	G2 L	C8	11154	C -3514920
17		7.4T	39 25.365	-0.0005	13	-38 9 42.48	-0.010	12	0.67	25.389	19	00.6	41.97	19	99.3	F0	GC	30373K	C -3814686
18	9.0	9.3W	39 26.928	0.0004	09	-38 9 32.83	-0.022	09	0.22	26.922	15	35.8	32.52	21	35.8		C8	11156	C -3814687
19	10.8	10.5W	39 38.168	-0.0007	21	-34 4 3.12	-0.018	21	0.43	38.179	22	32.2	2.80	21	32.2		C7	11826	C -3415206
20	9.2	8.2W	39 43.290	-0.0001	13	-35 48 39.07	-0.011	13	0.26	43.292	15	35.8	38.92	21	35.8	K0	C8	11157	C -3614940
21	10.1	9.8W	39 44.362	-0.0019	21	-30 33 7.12	-0.026	21	0.43	44.397	22	32.2	6.65	21	32.2	G2 L	C7	11828	C -3018785
22	9.8	9.7W	39 47.617	0.0044	21	-32 52 28.70	-0.046	21	0.43	47.539	22	32.2	27.89	21	32.2	G0	C7	11829	C -3315714
23	9.7	9.5W	39 48.530	0.0030	21	-30 34 11.02	-0.037	21	0.43	48.477	22	32.2	10.35	21	32.2	G0	C7	11830	C -3018787
24	11.8	10.8W	39 49.790	-0.0009	21	-30 26 54.70	0.013	21	0.43	49.805	22	32.2	54.93	21	32.2		C7	11831	C -3018788
25	10.8	10.1W	39 55.589	-0.0006	21	-34 14 11.47	-0.010	21	0.43	55.599	22	32.2	11.30	21	32.2	K0 L	C7	11832	C -3415210
26	10.3	9.2W	39 58.677	-0.0039	21	-30 36 59.78	0.010	21	0.43	58.747	22	32.2	59.96	21	32.2	K0	C7	11833	C -3018789
27	9.6	9.1W	40 2.824	-0.0076	21	-33 29 18.25	-0.043	21	0.43	2.959	22	32.2	17.49	21	32.2	G5	C7	11834	C -3315716
28	11.5	10.6W	40 3.841	-0.0039	21	-33 41 53.66	0.002	21	0.43	3.909	22	32.2	53.69	21	32.2		C7	11835	C -3415211
29	9.8	9.7W	40 4.894	0.0059	21	-32 51 54.74	-0.020	21	0.43	4.789	22	32.2	54.39	21	32.2	F2	C7	11836	C -3315717
30	10.4	10.3W	40 5.224	-0.0030	21	-30 9 1.94	0.016	21	0.43	5.275	22	32.2	2.23	21	32.2		C7	11837	C -3018791
31	9.7	9.8W	40 5.648	-0.0031	13	-35 52 20.62	-0.036	13	0.26	5.692	15	35.8	20.12	21	35.8	A5	C8	11158	C -3614946
32	10.6	9.4W	40 10.702	0.0021	13	-36 1 28.67	-0.032	13	0.26	10.671	15	35.8	28.22	21	35.8	K2 L	C8	11159	C -3614948
33	9.8	8.7W	40 20.301	0.0018	21	-33 0 0.11	-0.007	21	0.43	20.269	22	32.2	-59.98	21	32.2	K2	C7	11838	C -3315719
34	10.0	10.1W	40 21.073	-0.0013	13	-36 1 39.13	-0.008	13	0.26	21.092	15	35.8	39.02	21	35.8	A8 L	C8	11160	C -3614952
35	10.7		40 27.752	0.0007	18	-35 35 29.01	-0.063	18	0.31	27.742	15	35.8	28.12	21	35.8	F0 L	C8	11161	C -3514927
36	8.7	8.8W	40 28.389	0.0029	21	-32 24 58.56	0.017	21	0.43	28.337	22	32.2	58.87	21	32.2	F0	C7	11839	C -3216715
37	9.6	8.3W	40 33.780	0.0012	10	-38 22 21.38	-0.040	10	0.23	33.762	15	35.8	20.82	21	35.8	K0	C8	11162	C -3814696
38	8.3	7.5W	40 34.986	0.0017	21	-31 28 42.67	-0.057	21	0.43	34.957	22	32.2	41.65	21	32.2	K0	C7	11840	C -3118424
39	9.9	9.0W	40 44.712	0.0027	13	-39 36 18.87	0.024	13	0.26	44.674	15	35.8	19.22	21	35.8	G5	C8	11164	C -3914398
40	10.5	10.0W	40 52.248	-0.0023	13	-35 15 35.37	-0.025	13	0.26	52.280	15	35.8	35.02	21	35.8	G5 L	C8	11165	C -3514931
41	10.4	10.3W	40 57.859	-0.0001	18	-34 56 24.38	-0.012	18	0.31	57.861	15	35.8	24.21	21	35.8	F5 L	C8	11166	C -3514932
42	9.9	9.0W	41 2.884	-0.0014	13	-39 27 40.15	-0.024	13	0.26	2.903	15	35.8	39.82	21	35.8	G5	C8	11167	C -3914402
43	9.4	9.0W	41 4.420	-0.0016	10	-38 15 51.62	-0.064	10	0.23	4.442	15	35.8	50.71	21	35.8	G0	C8	11168	C -3814699
44	10.6	10.0W	41 11.343	0.0024	21	-33 41 8.45	-0.048	21	0.43	11.299	22	32.2	7.59	21	32.2		C7	11841	C -3415225
45	10.0	9.6W	41 15.012	0.0052	21	-33 40 55.44	0.037	21	0.43	14.919	22	32.2	56.10	21	32.2	G5	C7	11842	C -3415226
46	10.5	9.9W	41 17.110	-0.0009	21	-30 0 57.90	-0.043	21	0.43	17.125	22	32.2	57.13	21	32.2	G5	C7	11843	C -3018803
47	10.6	10.1W	41 23.465	0.0038	13	-35 9 57.34	-0.065	13	0.26	23.411	15	35.8	56.42	21	35.8	K0 L	C8	11169	C -3514936
48		6.3T	41 25.250	0.0075	08	-38 46 49.40	-0.158	09	0.38	24.942	10	08.9	43.01	12	09.6	G5	GC	30424	C -3914405
49	10.4	10.3W	41 27.907	0.0006	21	-30 25 56.14	0.016	21	0.43	27.895	22	32.2	56.43	21	32.2	A3	C7	11844	C -3018805
50	11.0	10.7W	41 33.121	-0.0042	21	-30 51 20.52	-0.037	21	0.43	33.197	22	32.2	19.86	21	32.2		C7	11845	C*-3118433
51	8.7	8.2W	21 41 39.033	0.0071	06	-35 50 42.48	-0.075	06	0.20	38.932	15	35.8	41.42	21	35.8	G5	C8	11171	C -3614970
52	10.9	10.6W	41 49.299	-0.0032	21	-31 21 23.39	0.021	21	0.43	49.357	22	32.2	23.75	21	32.2	G0 L	C7	11846	C -3118434
53	9.2	8.8W	41 51.852	0.0097	21	-32 55 27.38	-0.017	21	0.43	51.679	22	32.2	27.08	21	32.2	G5	C7	11847	C -3315731
54	11.9	10.9W	41 52.117	0.0040	21	-30 0 42.47	-0.047	21	0.43	52.045	22	32.2	41.63	21	32.2		C7	11848	C -3018810
55		7.4T	41 53.713	0.0022	13	-38 40 16.46	-0.013	12	0.68	53.603	18	00.3	15.76	21	97.1	A2	GC	30436	C*-3914412
56	10.1	9.8W	41 53.804	-0.0014	21	-34 30 15.08	-0.066	21	0.43	53.830	22	32.2	13.91	21	32.2	G0	C7	11849	C -3415232
57	10.3	10.0W	41 55.700	0.0146	18	-37 37 54.01	-0.035	18	0.31	55.492	15	35.8	53.52	21	35.8	G5 L	C8	11173	C -3714447
58		4.4H	41 58.427	0.0028	03	-33 15 17.86	-0.090	02	0.09	58.332	05	16.6	14.61	04	13.9	A0 F4		814	C -3315734
59	10.5		42 5.970	-0.0009	18	-36 32 21.73	-0.015	18	0.31	5.982	15	35.8	21.52	21	35.8	A8 L	C8	11175	C -3614975
60	9.8	9.5W	42 16.665	-0.0007	21	-31 53 0.02	-0.087	21	0.43	16.677	22	32.2	58.47	21	32.2	G5	C7	11851	C -3216727
61	11.0		42 30.045	0.0002	18	-37 53 45.77	-0.025	18	0.31	30.042	15	35.8	45.42	21	35.8	G0 L	C8	11177	C -3814715
62	10.6E	9.5*	42 31.026	0.0026	12	-39 57 42.11	0.008	12	0.66	30.896	28	99.7	42.53	26	99.7	K0	CZ	19555	P -40 9592
63	11.3	9.7W	42 32.420	-0.0039	21	-33 44 57.62	0.066	21	0.43	32.489	22	32.2	58.80	21	32.2		C7	11852	C -3415236
64	11.2	10.1W	42 32.963	-0.0015	21	-34 13 8.21	0.016	21	0.43	32.989	22	32.2	8.50	21	32.2	G5 L	C7	11853	C -3415237
65	10.0	9.7W	42 38.235	0.0095	06	-35 4 39.44	0.005	06	0.20	38.100	15	35.8	39.52	21	35.8	F5 L	C8	11178	C -3514946
66	11.4	10.6W	42 48.057	0.0012	21	-30 35 29.96	0.062	21	0.43	48.037	22	32.2	31.05	21	32.2		C7	11854	C -3018813
67	10.5	10.4W	42 51.003	-0.0021	18	-36 53 22.86	-0.017	18	0.31	51.032	15	35.8	22.62	21	35.8	G0 L	C8	11179	C -3714455
68	8.7	8.5W	43 0.274	0.0049	08	-38 45 24.34	-0.037	08	0.22	0.203	15	35.8	23.82	21	35.8	F0	C8	11182	C -3914418
69	11.0	9.9W	43 2.264	-0.0018	21	-30 48 15.00	0.026	21	0.43	2.297	22	32.2	15.46	21	32.2		C7	11855	C -3118447
70	9.6	8.8W	43 5.596	0.0015	21	-32 33 20.22	-0.019	21	0.43	5.569	22	32.2	19.89	21	32.2	K0	C7	11856	C -3216730
71	9.6	8.6W	43 19.779	0.0025	13	-39 29 41.61	0.021	13	0.26	19.743	15	35.8	41.91	21	35.8	K0	C8	11184	C -3914419
72	10.7	10.2W	43 20.210	-0.0017	21	-34 14 28.81	-0.057	21	0.43	20.239	22	32.2	27.79	21	32.2	G0 L	C7	11857	C -3415242
73		6.8T	43 26.282	0.0029	10	-32 56 44.58	-0.016	10	0.51	26.144	15	01.5	43.82	14	01.9	K0	GC	30470	C*-3315744
74	8.5	8.2W	43 27.226	-0.0012	13	-38 57 11.07	0.017	13	0.26	27.243	15	35.8	11.32	21	35.8	F5	C8	11185	C -3914421
75	11.5	10.9W	43 33.942	-0.0002	21	-30 16 46.61	-0.066	21	0.43	33.945	22	32.2	45.43	21	32.2		C7	11860	C -3018821
76	10.9	9.6W	43 39.675	0.0021	21	-32 12 39.92	0.036	21	0.43	39.637	22	32.2	40.57	21	32.2	K0 L	C7	11861	C -3216733
77	8.1	8.4W	43 47.869	0.0012	13	-35 56 20.83	-0.022	13	0.26	47.852	15	35.8	20.52	21	35.8	A0	C8	11186	C -3615005
78	11.1	10.5W	43 53.356	-0.0017	21	-31 5 43.15	-0.022	21	0.43	53.387	22	32.2	42.75	21	32.2		C7	11862	C -3118452
79		9.7T	43 57.755	0.0021	21	-32 9 54.30	0.009	21	0.43	57.717	22	32.2	54.47	21	32.2		C7	11863	*
80	9.6	8.6W	44 0.611	0.0036	21	-32 10 35.79	-0.007	21	0.43	0.547	22	32.2	35.67	21	32.2	K0	C7	11864	C -3216734
81	8.8	8.9W	44 2.122	-0.0014	13	-34 55 0.34	-0.002	13	0.26	2.141	15	35.8	0.31	21	35.8	A2	C8	11187	C -3514964
82	10.8	9.2W	44 5.264	0.0014	21	-32 38 35.54	-0.031	21	0.43	5.239	22	32.2	34.99	21	32.2		C7	11865	C -3216735
83	10.1	9.0W	44 11.343	0.0000	18	-37 41 18.57	0.031	18	0.31	11.342	15	35.8	19.02	21	35.8	K5 L	C8	11189	C -3814725
84	10.9	9.7W	44 16.802	-0.0027	21	-33 53 47.61	0.027	21	0.43	16.849	22	32.2	48.09	21	32.2		C7	11866	C -3415249
85	11.2	10.8W	44 17.818	-0.0027	21	-30 55 50.21	0.031	21	0.43	17.867	22	32.2	50.75	21	32.2		C7	11867	C -3118460
86	10.1	8.7W	44 18.079	0.0011	21	-33 10 41.00	-0.029	21	0.43	18.059	22	32.2	40.49	21	32.2	K2	C7	11868	C -3315750
87	10.8	9.5W	44 25.118	-0.0001	21	-34 22 3.68	0.012	21	0.43	25.119	22	32.2	3.90	21	32.2		C7	11869	C -3415251
88		6.9T	44 32.051	-0.0023	13	-38 11 2.14	-0.013	12	0.63	32.160	17	02.4	1.50	15	01.2	G5	GC	30497	C -3814729
89	9.3	9.5W	44 42.469	-0.0002	13	-35 51 23.73	-0.008	13	0.26	42.471	15	35.8	23.62	21	35.8	A2	C8	11191	C -3615016
90		7.5T	44 45.920	0.0036	17	-39 44 38.15	0.012	13	0.78	45.745	17	01.2	38.76	18	98.0	A2	GC	30506	C -4014497
91	9.6	9.6W	44 46.315	0.0014	21	-33 54 51.40	-0.023	21	0.43	46.289	22	32.2	51.00	21	32.2	F0	C7	11870	C -3415255
92		5.1T	44 48.411	-0.0018	04	-31 7 50.65	0.001	04	0.20	48.487	07	07.5	50.67	09	06.7	A2	GC	30509K	C*-3118466
93	11.2	10.4W	44 52.579	0.0002	21	-30 29 50.67	-0.053	21	0.43	52.575	22	32.2	49.73	21	32.2		C7	11872	C -3018836
94	8.1	8.3W	45 6.546	-0.0013	21	-32 34 31.82	-0.030	21	0.43	6.569	22	32.2	31.29	21	32.2	A0	C7	11873	C -3216744
95	9.8	8.7W	45 12.794	0.0051	13	-36 4 23.62	-0.043	13	0.26	12.721	15	35.8	23.02	21	35.8	K0	C8	11195	C -3615019
96	9.6	9.0W	45 15.206	-0.0012	09	-37 55 28.28	-0.075	09	0.22	15.222	15	35.8	27.22	21	35.8	K0	C8	11196	C -3814735
97	10.8	10.0W	45 15.246	0.0021	21	-32 55 37.77	-0.005	21	0.43	15.209	22	32.2	37.69	21	32.2	K0 L	C7	11875	C -3315759
98	9.5	9.4W	45 17.329	0.0011	18	-38 36 12.73	0.006	18	0.31	17.313	15	35.8	12.82	21	35.8	A0	C8	11197	C -3814736
99	10.5	9.2W	45 23.162	-0.0007	13	-36 17 41.44	-0.016	13	0.26	23.171	15	35.8	41.22	21	35.8	K2 L	C8	11198	C -3615021
00	10.3	9.6W	45 28.980	0.0034	21	-33 9 14.52	-0.002	21	0.43	28.919	22	32.2	14.48	21	32.2	G5	C7	11876	C -3315761

213300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-30° 21H DM NUMBER
1	9.4	9.0W	21 45 38.183	-0.0028	10	-38 1 23.94	-0.023	10	0.23	38.222	15	35.8	23.62	21	35.8	F8	C8	11199	C -3814738
2	10.3	8.8W	45 43.082	0.0001	13	-35 26 4.25	-0.031	13	0.26	43.081	15	35.8	3.81	21	35.8	K5	C8	11200	C -3514979
3	10.2	9.7W	45 44.265	0.0022	13	-39 43 5.17	-0.053	13	0.26	44.234	15	35.8	4.42	21	35.8	G5	C8	11201	C -4014502
4	9.1	8.0W	45 44.968	0.0011	09	-39 18 44.81	0.000	09	0.22	44.953	15	35.8	44.82	21	35.8	K0	C8	11202	C -3914438
5	11.0	10.8W	45 45.230	0.0034	21	-32 55 27.41	-0.041	21	0.43	45.169	22	32.2	26.68	21	32.2	G0 L	C7	11677	C 3315763
6	11.1	10.3W	45 45.650	-0.0009	21	-30 38 51.06	0.017	21	0.43	45.667	22	32.2	51.35	21	32.2	G5 L	C7	11879	C -3018044
7	10.8	10.3W	45 45.738	0.0190	21	-34 5 26.11	-0.001	21	0.43	45.399	22	32.2	26.09	21	32.2		C7	11878	C -3415264
8	10.2	10.2W	45 45.936	-0.0008	21	-34 4 32.23	-0.008	21	0.43	45.949	22	32.2	32.09	21	32.2	F2 L	C7	11880	C -3415265
9	9.6	9.4W	45 56.673	0.0008	21	-32 38 2.97	-0.033	21	0.43	56.659	22	32.2	2.39	21	32.2	F8	C7	11881	C -3216749
10	10.6	9.8W	45 57.301	-0.0016	21	-33 46 11.53	-0.019	21	0.43	57.329	22	32.2	11.19	21	32.2	G5 L	C7	11882	C -3415268
11	10.2	9.1W	46 9.160	-0.0023	18	-37 23 41.23	-0.008	18	0.31	9.192	15	35.8	41.12	21	35.8	K0	C8	11203	C -3714488
12	8.5	8.2W	46 12.420	0.0041	08	-35 52 15.42	-0.085	08	0.22	12.362	15	35.8	14.22	21	35.8	F8	C8	11204	C -3615029
13	10.8	9.7W	46 15.007	0.0021	21	-33 32 41.52	-0.035	21	0.43	14.969	22	32.2	40.90	21	32.2	K0 L	C7	11883	C -3315768
14	10.5	10.3W	46 16.434	-0.0048	21	-34 9 54.31	-0.029	21	0.43	16.519	22	32.2	53.79	21	32.2	F2 L	C7	11884	C -3415270
15	8.5	8.4W	46 16.790	0.0015	13	-35 43 8.21	-0.028	13	0.26	16.772	15	35.8	7.82	21	35.8	F0	C8	11205	C -3615030
16	10.4	9.4W	46 26.346	0.0039	13	-35 3 28.31	-0.042	13	0.26	26.291	15	35.8	27.72	21	35.8	K0 L	C8	11206	C -3514987
17	10.6	10.2W	46 33.189	-0.0015	13	-35 8 28.93	-0.022	13	0.26	33.210	15	35.8	28.62	21	35.8	F5 L	C8	11207	C -3514988
18	10.4	10.0W	46 33.762	-0.0008	21	-30 8 3.23	-0.039	21	0.43	33.775	22	32.2	2.53	21	32.2	G0	C7	11885	C -3018852
19	9.6	8.0W	46 34.655	0.0016	09	-36 55 49.05	-0.031	09	0.22	34.632	15	35.8	48.62	21	35.8	MA	C8	11208	C -3714494
20	10.2	9.2W	46 35.279	0.0033	21	-33 52 24.88	-0.005	21	0.43	35.219	22	32.2	24.79	21	32.2	K2	C7	11886	C -3415273
21	11.0	10.8W	46 39.505	-0.0006	21	-30 38 32.49	-0.002	21	0.43	39.517	22	32.2	32.45	21	32.2		C7	11887	C -3018854
22	10.1	9.7W	46 40.145	0.0015	13	-38 48 3.73	-0.100	13	0.26	40.123	15	35.8	2.32	21	35.8	G0	C8	11209	C -3914445
23	9.8	8.5W	46 45.079	-0.0012	21	-33 46 30.63	-0.047	21	0.43	45.099	22	32.2	29.80	21	32.2	K5	C7	11888	C -3415274
24	10.0	9.5W	46 50.160	0.0064	21	-30 21 17.12	-0.123	21	0.43	50.045	22	32.2	14.93	21	32.2	G0	C7	11889	C -3018857
25		7.2T	47 1.611	0.0133	12	-38 50 46.49	-0.182	12	0.62	0.962	15	01.2	37.36	15	99.9	F8	GC	30553	C -3914449
26	10.2	9.7W	47 15.095	0.0043	21	-32 49 15.88	-0.039	21	0.43	15.019	22	32.2	15.19	21	32.2	F8	C7	11890	C -3315776
27	10.2	9.2W	47 18.790	0.0006	18	-37 1 39.93	0.020	18	0.31	18.782	15	35.8	40.22	21	35.8	G5	C8	11213	C -3714502
28	10.5	9.6W	47 24.266	0.0021	21	-33 9 41.21	0.021	21	0.43	24.229	22	32.2	41.59	21	32.2	K0	C7	11891	C -3315777
29	11.4		47 29.759	0.0062	23	-35 18 43.03	-0.135	23	0.37	29.671	15	35.8	41.12	21	35.8		C8	11214	C -3514999
30	9.5	9.2W	47 32.074	0.0037	13	-36 14 38.07	-0.025	13	0.26	32.021	15	35.8	37.72	21	35.8	G0	C8	11216	C -3615037
31	9.7	9.5W	47 37.683	-0.0007	21	-30 12 56.52	-0.005	21	0.43	37.695	22	32.2	56.43	21	32.2	F5	C7	11892	C -3018862
32	10.6	10.6W	47 46.588	-0.0029	21	-33 39 34.68	-0.033	21	0.43	46.639	22	32.2	34.10	21	32.2	A0 L	C7	11894	C -3415282
33	10.0	9.7W	47 50.094	0.0038	21	-30 33 26.24	0.007	21	0.43	50.027	22	32.2	26.36	21	32.2	F2	C7	11895	C -3018865
34	10.5	10.3W	47 59.090	0.0051	21	-32 48 43.91	-0.041	21	0.43	58.939	22	32.2	43.18	21	32.2	A3 L	C7	11896	C -3315783
35	9.0	9.0W	48 3.013	-0.0014	18	-37 59 46.36	0.025	18	0.31	3.032	15	35.8	46.72	21	35.8	F0	C8	11218	C -3814761
36	11.4	9.9W	48 22.599	-0.0021	21	-30 58 59.70	0.009	21	0.43	22.637	22	32.2	59.85	21	32.2		C7	11897	C -3118495
37		9.1T	48 22.772	-0.0013	14	-37 38 36.89	-0.022	12	0.70	22.836	22	01.2	35.76	22	99.0	G5	GC	30581	C -3714512
38	10.4	10.0W	48 26.208	0.0016	21	-33 22 32.85	-0.015	21	0.43	26.179	22	32.2	32.59	21	32.2	G2 L	C7	11898	C -3315788
39	10.6	10.4W	48 33.241	-0.0033	21	-34 11 38.38	-0.005	21	0.43	33.299	22	32.2	38.30	21	32.2	G5 L	C7	11899	C -3415292
40	10.3	10.1W	48 33.707	0.0006	21	-30 44 36.52	0.008	21	0.43	33.697	22	32.2	36.66	21	32.2	G0	C7	11900	C -3118498
41	8.7	8.6W	48 34.508	0.0050	21	-32 46 8.29	-0.034	21	0.43	34.419	22	32.2	7.69	21	32.2	F5	C7	11901	C -3315789
42	10.1	9.9W	48 43.515	0.0016	21	-30 12 30.70	-0.004	21	0.43	43.485	22	32.2	30.63	21	32.2	F8	C7	11902	C -3018869
43	9.8	9.4W	48 44.843	-0.0021	21	-34 7 55.46	-0.032	21	0.43	44.879	22	32.2	54.89	21	32.2	G0	C7	11903	C -3415294
44	9.9	8.3W	48 47.452	-0.0007	13	-36 11 12.82	-0.029	13	0.26	47.462	15	35.8	12.41	21	35.8	K5	C8	11220	C -3615044
45	10.2	9.2W	48 47.687	0.0011	13	-35 53 16.68	-0.047	13	0.26	47.672	15	35.8	16.02	21	35.8	K0	C8	11221	C -3615045
46	10.4	8.8W	48 52.812	0.0015	13	-35 16 10.07	-0.025	13	0.26	52.791	15	35.8	9.72	21	35.8	K5	C8	11222	C -3515011
47	10.0	10.2W	48 58.237	-0.0025	18	-37 9 5.24	-0.023	18	0.31	58.272	15	35.8	4.92	21	35.8	A2	C8	11223	C -3714517
48	10.8	9.4W	49 2.435	0.0026	21	-32 50 3.88	-0.028	21	0.43	2.389	22	32.2	3.39	21	32.2	K2 L	C7	11904	C -3315792
49	10.0	10.0W	49 3.688	0.0034	21	-32 29 48.11	-0.008	21	0.43	3.627	22	32.2	47.97	21	32.2	A5	C7	11905	C -3216778
50	7.8	7.9W	49 3.767	-0.0011	21	-30 33 8.22	0.036	21	0.43	3.787	22	32.2	8.86	21	32.2	F0	C7	11906	C -3018873
51	10.5	10.2W	21 49 3.861	0.0049	09	-35 36 9.83	0.013	09	0.22	3.792	15	35.8	10.02	21	35.8	G2 L	C8	11224	C -3515013
52	10.2	8.8W	49 13.687	0.0024	09	-37 33 41.73	-0.022	09	0.22	13.652	15	35.8	41.42	21	35.8	MA	C8	11225	C -3714522
53	10.5	10.2W	49 19.625	0.0015	21	-32 50 58.66	-0.066	21	0.43	19.579	22	32.2	57.48	21	32.2	G0 L	C7	11907	C -3315794
54	11.4	10.4W	49 31.984	-0.0037	21	-34 21 18.81	-0.027	21	0.43	32.049	22	32.2	19.30	21	32.2	K0 L	C7	11908	C -3415301
55	10.8		49 41.128	-0.0002	13	-34 55 46.03	-0.015	13	0.26	41.131	15	35.8	45.81	21	35.8	K0 L	C8	11226	C -3515021
56	10.5	10.3W	49 43.391	-0.0016	21	-32 49 2.21	0.021	21	0.43	43.419	22	32.2	2.58	21	32.2	F5 L	C7	11909	C -3315797
57		8.1T	49 43.576	0.0020	13	-36 14 8.02	0.006	12	0.64	43.478	17	01.9	8.30	17	01.4	F0	GC	30610	C -3615051
58	10.5	9.7W	49 46.998	0.0004	13	-35 42 21.22	-0.015	13	0.26	46.992	15	35.8	21.02	21	35.8	K1 L	C8	11228	C -3615053
59	10.1	10.3W	49 47.499	0.0033	18	-38 24 38.86	-0.003	18	0.31	47.452	15	35.8	38.82	21	35.8	A2	C8	11229	C -3814770
60	10.9	10.7W	49 49.297	0.0068	21	-34 16 46.49	-0.039	21	0.43	49.139	22	32.2	45.80	21	32.2	G2 L	C7	11910	C -3415303
61	10.1	8.8W	49 59.250	-0.0005	21	-33 27 4.29	-0.006	21	0.43	59.259	22	32.2	4.19	21	32.2	K5	C7	11911	C -3315798
62	10.6	10.2W	50 6.599	0.0005	21	-34 0 37.02	-0.052	21	0.43	6.589	22	32.2	36.09	21	32.2	G2 L	C7	11912	C -3415307
63	9.1	8.7W	50 10.434	0.0080	09	-35 6 5.18	-0.019	09	0.22	10.321	15	35.8	4.92	21	35.8	F5	C8	11231	C -3515026
64		7.0T	50 14.204	-0.0004	13	-37 7 55.46	-0.059	12	0.68	14.224	18	99.9	52.33	19	97.0	G5	GC	30622	C -3714530
65	9.7	9.5W	50 14.409	-0.0016	13	-36 15 55.82	0.049	13	0.26	14.432	15	35.8	56.52	21	35.8	F2	C8	11233	C -3615057
66	10.0	9.8W	50 23.864	0.0001	13	-39 23 8.25	-0.010	13	0.26	23.863	15	35.8	8.11	21	35.8	F8	C8	11234	C -3914470
67	10.3	10.0W	50 24.909	0.0076	13	-35 28 44.55	-0.010	13	0.26	24.881	15	35.8	44.42	21	35.8	F8 L	C8	11235	C -3515032
68	10.2	10.0W	50 28.107	0.0017	18	-37 35 21.73	0.041	18	0.31	28.082	15	35.8	22.32	21	35.8	F8 L	C8	11236	C -3714531
69	10.0	9.6W	50 37.431	-0.0032	21	-30 32 57.65	-0.034	21	0.42	37.487	22	32.8	57.06	21	32.8	G	C7	11914	C -3018889
70	10.5	10.1W	50 37.529	0.0065	21	-32 11 50.66	-0.052	21	0.42	37.417	22	32.8	49.77	21	32.8	G0 L	C7	11913	C -3216789
71	9.1	8.1W	50 38.080	0.0055	06	-36 4 10.08	-0.040	06	0.20	38.002	15	35.8	9.52	21	35.8	K2	C8	11237	C -3615061
72	10.6	10.4W	50 45.313	0.0004	21	-30 5 56.74	0.011	21	0.42	45.305	22	32.8	56.93	21	32.8	G2 L	C7	11915	C -3018892
73	9.2	9.2W	50 50.987	0.0031	09	-37 5 13.38	-0.040	09	0.22	50.942	15	35.8	12.82	21	35.8	A2	C8	11239	C -3714534
74		3.2H	50 54.450	0.0087	02	-37 36 3.59	-0.017	02	0.09	54.120	04	12.1	2.93	04	09.8	B8	F4	822	C -3714536
75	10.3	10.0W	51 1.189	-0.0082	21	-34 35 52.96	-0.044	21	0.42	1.330	22	32.8	52.21	21	32.8		C7	11916	C -3415311
76	9.8	9.4W	51 7.793	-0.0014	13	-38 16 32.83	-0.008	13	0.26	7.812	15	35.8	32.72	21	35.8	F8	C8	11241	C -3814780
77	8.9	8.5W	51 18.406	0.0121	07	-38 42 14.61	0.014	07	0.21	18.233	15	35.8	14.82	21	35.8	F8	C8	11242	C -3914476
78		6.8T	51 19.502	0.0018	12	-36 17 52.91	-0.021	11	0.57	19.411	15	00.6	51.84	15	99.6	K0	GC	30650	C*-3615067
79	9.7	9.2W	51 31.059	0.0095	21	-30 29 27.10	-0.184	21	0.42	30.895	22	32.8	23.93	21	32.8	G0	C7	11917	C -3018898
80	9.4	9.2W	51 32.762	0.0035	10	-38 43 40.10	0.015	10	0.23	32.713	15	35.8	40.32	21	35.8	F5	C8	11244	C -3914477
81	10.2	9.9W	51 33.609	-0.0041	21	-32 31 5.13	-0.020	21	0.42	33.679	22	32.8	4.79	21	32.8	G0	C7	11918	C -3216800
82		8.3T	51 36.590	0.0004	11	-37 40 8.50	-0.023	12	0.65	36.569	21	96.7	7.30	21	98.1	G5	GC	30659	C -3814783
83	10.4	10.2W	51 41.423	0.0007	13	-36 38 11.78	-0.026	13	0.26	41.412	15	35.8	11.42	21	35.8	F5 L	C8	11246	C -3615071
84	8.5	8.4W	51 44.424	-0.0091	21	-34 22 24.68	-0.005	21	0.42	44.579	22	32.8	24.59	21	32.8	F5	C7	11919	C -3415319
85	9.4	8.6W	51 47.393	0.0083	21	-33 47 12.15	-0.044	21	0.42	47.250	22	32.8	11.40	21	32.8	K0	C7	11920	C -3415320
86	9.6	8.5W	51 50.944	-0.0020	21	-33 5 39.10	-0.018	21	0.42	50.909	22	32.8	38.79	21	32.8	K0	C7	11921	C -3315809
87	10.8		52 6.996	-0.0033	30	-36 43 52.90	-0.041	30	0.46	7.042	15	35.8	52.32	21	35.8	F5 L	C8	11248	C -3714548
88	10.0	9.6W	52 7.816	0.0035	21	-30 10 12.68	-0.026	21	0.42	7.755	22	32.8	12.23	21	32.8	G0	C7	11922	C -3018903
89	10.6	9.7W	52 9.040	-0.0021	21	-30 56 47.84	-0.010	21	0.42	9.077	22	32.8	47.66	21	32.8	K0	C7	11923	C -3118530
90	9.2	9.1W	52 9.747	0.0045	21	-34 51 47.30	-0.046	21	0.42	9.670	22	32.8	46.51	21	32.8	F0	C7	11924	C -3515039
91	9.7	9.2W	52 9.895	-0.0036	21	-32 2 2.53	0.008	21	0.42	9.957	22	32.8	2.67	21	32.8	G0	C7	11925	C -3216809
92	10.5	10.2W	52 10.502	-0.0038	21	-31 36 52.83	0.014	21	0.42	10.567	22	32.8	53.07	21	32.8	G0 L	C7	11926	C -3118532
93	7.7	7.5W	52 12.914	0.0049	06	-39 13 54.73	-0.022	06	0.20	12.843	15	35.8	54.42	21	35.8	A5	C8	11249	C -3914480
94	10.4	10.3W	52 17.347	0.0031	18	-38 8 51.91	-0.028	18	0.31	17.302	15	35.8	51.51	21	35.8	F8 L	C8	11250	C -3814792
95	9.8	9.7W	52 19.243	-0.0027	21	-34 32 42.30	0.012	21	0.42	19.290	22	32.8	42.51	21	32.8	A8 L	C7	11927	C -3415327
96	9.1	8.4W	52 22.106	0.0027	21	-34 52 57.70	-0.017	21	0.42	22.060	22	32.8	57.41	21	32.8	K0	C7	11928	C -3515045
97	8.7	7.3W	52 24.442	-0.0010	21	-33 14 37.33	0.015	21	0.42	24.459	22	32.8	37.59	21	32.8	K5	C7	11929	C -3315813
98	10.7	10.2W	52 24.803	0.0027	21	-31 26 55.09	-0.118	21	0.42	24.757	22	32.8	53.06	21	32.8		C7	11930	C -3118536
99	9.1	9.0W	52 26.546	-0.0002	21	-34 44 24.09	0.030	21	0.42	26.550	22	32.8	24.61	21	32.8	A5	C7	11931	C -3515041
00	8.0	8.6W	52 28.048	0.0013	21	-30 16 19.82	0.001	21	0.42	28.025	22	32.8	19.83	21	32.8	B5	C7	11932	C -3018907

213400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.9W	21 52 38.030	-0.0024	21	-34 38 6.07	-0.021	21	0.42	38.070	22	32.8	5.71	21	32.8	A8 L	C7	11933	C -3415329
2	10.1	9.3W	52 43.715	-0.0004	13	-35 14 53.17	-0.025	13	0.26	43.721	15	35.8	52.82	21	35.8	K0	C8	11252	C -3515045
3	9.4	9.1W	52 56.183	-0.0015	21	-32 43 23.39	0.023	21	0.42	56.209	22	32.8	23.79	21	32.8	F8	C7	11935	C -3315817
4	11.1		52 56.627	-0.0025	23	-36 40 4.95	-0.059	23	0.37	56.662	15	35.8	4.12	21	35.8	F5 L	C8	11253	C -3714557
5	8.0	7.8W	53 0.624	0.0049	06	-39 32 45.51	-0.056	06	0.20	0.554	15	35.8	44.72	21	35.8	F8	C8	11254	C -3914487
6		6.5T	53 0.960	0.0040	09	-30 50 37.01	-0.023	11	0.52	0.753	14	98.7	35.86	15	00.8	G5	GC	30686	C -3118541
7	10.0	9.0W	53 2.089	0.0000	21	-33 26 7.77	-0.034	21	0.42	2.089	22	32.8	7.19	21	32.8	K0	C7	11937	C -3315819
8	8.2	8.0W	53 5.157	0.0006	21	-31 9 42.60	-0.002	21	0.42	5.147	22	32.8	42.56	21	32.8	F5	C7	11938	C -3118544
9	9.3	9.1W	53 6.973	0.0029	08	-36 22 5.52	-0.085	08	0.22	6.932	15	35.8	4.12	21	35.8	F5	C8	11255	C -3615089
10	10.0	9.5W	53 11.770	-0.0030	13	-37 22 59.24	-0.037	13	0.26	11.812	15	35.8	58.72	21	35.8	F8	C8	11256	C -3714560
11	9.3	9.2W	53 17.189	0.0023	21	-33 15 13.05	0.002	21	0.42	17.149	22	32.8	13.09	21	32.8	F2	C7	11939	C -3315822
12	10.4	9.4W	53 20.751	0.0028	13	-34 58 4.61	-0.007	13	0.26	20.711	15	35.8	4.51	21	35.8	K1 L	C8	11257	C -3515049
13	8.3	7.9W	53 21.294	-0.0006	07	-37 3 3.83	-0.107	07	0.21	21.302	15	35.8	2.32	21	35.8	F5	C8	11258	C -3714563
14		5.5T	53 22.600	-0.0014	06	-37 29 29.18	0.002	05	0.24	22.657	09	09.2	29.26	09	07.3	A2	GC	30696	C -3714565
15	9.2	8.9W	53 25.996	0.0017	18	-38 38 57.54	-0.072	18	0.31	25.973	15	35.8	56.52	21	35.8	F5	C8	11260	C -3814799
16	10.4	9.5W	53 30.014	-0.0013	21	-31 27 17.11	0.015	21	0.42	30.037	22	32.8	17.36	21	32.8	G5	C7	11940	C -3118547
17	10.8	9.9W	53 35.354	-0.0038	21	-34 46 8.90	-0.011	21	0.42	35.420	22	32.8	8.71	21	32.8	G5 L	C7	11941	C -3515052
18	10.2	10.1W	53 37.882	0.0012	21	-34 37 0.83	-0.007	21	0.42	37.860	22	32.8	0.71	21	32.8	F2 L	C7	11942	C -3415333
19	10.5	10.3W	53 38.080	-0.0009	13	-36 31 57.32	-0.064	13	0.26	38.092	15	35.8	56.42	21	35.8	F5 L	C8	11261	C -3615097
20	7.7	7.9W	53 43.877	0.0023	21	-31 37 38.56	-0.087	21	0.42	43.837	22	32.8	37.07	21	32.8	A0	C7	11943	C -3118549
21	11.0		53 44.250	0.0013	13	-35 57 59.17	-0.025	13	0.26	44.232	15	35.8	58.82	21	35.8	G8 L	C8	11263	C -3615100
22	10.1	9.9W	53 46.356	-0.0054	21	-33 29 32.79	-0.018	21	0.42	46.449	22	32.8	32.49	21	32.8	F8	C7	11944	C -3315827
23	10.8	9.9W	53 51.172	-0.0032	21	-32 19 2.65	-0.028	21	0.42	51.227	22	32.8	2.17	21	32.8	G5	C7	11945	C -3216821
24		7.4T	53 57.092	0.0012	13	-35 35 53.77	-0.007	12	0.66	57.032	17	01.1	53.41	18	00.0	A0	GC	30705	C*-3515054
25	10.4	9.9W	53 58.091	-0.0023	21	-33 55 6.60	0.023	21	0.42	58.130	22	32.8	6.99	21	32.8	G0	C7	11946	C -3415336
26	11.2	10.3W	54 0.548	-0.0075	21	-30 52 22.89	-0.071	21	0.42	0.677	22	32.8	21.66	21	32.8		C7	11947	C -3118553
27		6.2T	54 1.502	0.0018	09	-37 59 7.46	-0.000	07	0.50	1.403	18	94.5	7.45	15	89.4	F0	GC	30708	C*-3814801
28		7.2T	54 1.742	0.0054	13	-37 53 50.02	-0.014	09	0.58	1.481	19	01.5	49.26	17	96.0	K2	GC	30709	C*-3814802
29	11.1		54 8.837	-0.0067	18	-35 54 1.40	-0.175	18	0.31	8.932	15	35.8	58.92	21	35.8	F5 L	C8	11269	C -3615107
30	10.7	9.8W	54 8.864	0.0016	21	-30 17 0.09	-0.015	21	0.42	8.835	22	32.8	59.83	21	32.8	K2	C7	11948	C -3018929
31	8.5	8.4W	54 15.433	0.0014	21	-32 41 57.68	0.012	21	0.42	15.409	22	32.8	57.89	21	32.8	F2	C7	11949	C -3315831
32		7.5T	54 18.894	0.0096	08	-38 0 3.39	-0.138	09	0.50	18.349	18	93.2	55.57	17	93.4	F8	GC	30716	C -3814804
33	10.7	10.5W	54 21.815	-0.0030	21	-31 8 33.81	-0.049	21	0.42	21.867	22	32.8	32.96	21	32.8		C7	11950	C -3118557
34	9.3	9.3W	54 27.935	-0.0011	13	-35 6 19.49	-0.037	13	0.26	27.951	15	35.8	20.02	21	35.8	F5	C8	11272	C -3515057
35	9.9	8.6W	54 39.655	0.0058	19	-38 33 48.17	-0.032	19	0.33	39.573	15	35.8	47.72	21	35.8	K5	C8	11273	C -3814807
36	10.1	9.6W	54 41.179	0.0019	21	-30 2 31.09	0.014	21	0.42	41.145	22	32.8	31.33	21	32.8	G5	C7	11951	C -3018932
37	8.9	8.0W	54 43.887	0.0003	18	-36 52 39.44	-0.058	18	0.31	43.882	15	35.8	38.62	21	35.8	K0	C8	11274	C -3714573
38	9.0	8.0W	54 45.558	0.0046	21	-32 48 57.61	-0.019	21	0.42	45.479	22	32.8	57.29	21	32.8	K2	C7	11952	C -3315832
39	10.4	9.5W	54 45.975	-0.0012	21	-30 17 45.02	0.036	21	0.42	45.995	22	32.8	45.63	21	32.8	K0	C7	11953	C -3018934
40	8.7	8.5W	55 4.183	-0.0020	13	-35 17 47.53	0.013	13	0.26	4.211	15	35.8	47.72	21	35.8	F5	C8	11275	C -3515064
41	9.4	9.1W	55 8.918	-0.0004	13	-39 19 46.39	0.002	13	0.26	8.923	15	35.8	46.42	21	35.8	F5	C8	11276	C -3914504
42	10.2	9.4W	55 13.305	0.0015	09	-39 18 14.38	-0.019	09	0.22	13.283	15	35.8	14.12	21	35.8	G5	C8	11277	C -3914505
43	9.1	8.1W	55 24.177	0.0003	18	-38 22 42.29	-0.012	18	0.31	24.172	15	35.8	42.12	21	35.8	K2	C8	11278	C -3814814
44	9.2	9.1W	55 37.271	0.0007	13	-35 25 17.74	-0.051	13	0.26	37.260	15	35.8	17.02	21	35.8	A5	C8	11279	C*-3515068
45	7.5	8.0W	55 42.823	0.0014	21	-32 35 41.94	-0.009	21	0.42	42.799	22	32.8	41.79	21	32.8	A0	C7	11955	C -3216832
46	10.3	9.2W	55 48.746	-0.0018	13	-36 21 8.94	-0.016	13	0.26	48.771	15	35.8	8.71	21	35.8	K0	C8	11280	C -3615120
47	9.9	9.0W	55 50.193	-0.0014	13	-37 58 45.53	-0.022	13	0.26	50.212	15	35.8	45.22	21	35.8	K2	C8	11281	C -3814819
48	9.7	8.2W	55 54.773	-0.0027	13	-39 45 42.04	0.033	13	0.26	54.734	15	35.8	42.51	21	35.8	K5	C8	11283	C -4014575
49	10.4	10.7W	56 5.351	-0.0009	21	-31 20 54.90	0.056	21	0.42	5.367	22	32.8	55.86	21	32.8	A0 L	C7	11956	C -3118574
50	9.3	9.2W	56 7.613	-0.0025	21	-30 23 51.96	-0.019	21	0.42	7.655	22	32.8	51.63	21	32.8	F0	C7	11957	C -3018948
51		8.4T	21 56 15.734	-0.0004	20	-31 47 15.98	-0.007	16	0.86	15.754	24	04.3	15.66	21	02.8	K5	GC	30752	C -3216836
52		5.6T	56 16.875	0.0035	07	-38 38 5.71	-0.003	06	0.30	16.726	12	07.4	5.56	10	03.8	K0	GC	30753	C -3814820
53	10.0	9.7W	56 25.966	-0.0047	13	-36 35 10.08	-0.054	13	0.26	26.032	15	35.8	9.32	21	35.8	F8	C8	11285	C -3615125
54	9.5	7.9W	56 33.539	0.0047	18	-37 30 34.34	-0.016	18	0.31	33.472	15	35.8	34.12	21	35.8	K5	C8	11287	C -3714586
55	9.9	9.1W	56 44.673	0.0015	21	-31 58 51.03	-0.062	21	0.42	44.647	22	32.8	49.97	21	32.8	K0	C7	11959	C -3216844
56	11.1		56 46.597	0.0003	18	-38 7 50.65	-0.059	18	0.31	46.592	15	35.8	49.82	21	35.8	F8 L	C8	11288	C -3814825
57	10.6	10.4W	56 47.461	-0.0032	21	-30 52 13.65	0.001	21	0.42	47.517	22	32.8	13.66	21	32.8	F8 L	C7	11960	C -3118581
58	10.7E	9.3*	56 49.168	0.0024	12	-39 58 35.02	0.000	12	0.66	49.048	28	99.7	35.04	26	99.7	K2	CZ	19671	P -40 9634
59	10.3	10.0W	56 49.349	0.0000	21	-33 25 0.98	-0.029	21	0.42	49.349	22	32.8	0.49	21	32.8	F8	C7	11961	C -3315851
60	9.2	8.9W	56 50.412	-0.0037	21	-30 13 18.90	-0.045	21	0.42	50.475	22	32.8	18.13	21	32.8	G0	C7	11962	C -3018956
61	8.7	8.7W	56 55.160	0.0035	13	-35 20 24.56	0.018	13	0.26	55.110	15	35.8	24.82	21	35.8	F0	C8	11289	C -3515078
62	9.6	8.2W	56 55.892	-0.0022	21	-34 47 25.09	0.030	21	0.42	55.930	22	32.8	25.61	21	32.8	K5	C7	11963	C -3515079
63	10.5	9.6W	56 57.601	-0.0072	08	-36 34 7.51	-0.014	08	0.22	57.702	15	35.8	7.32	21	35.8	K0	C8	11290	C -3615129
64	11.4	10.2W	56 58.139	-0.0039	21	-31 20 40.85	0.053	21	0.42	58.207	22	32.8	41.76	21	32.8		C7	11964	C -3118583
65	10.5	9.4W	57 0.467	-0.0024	13	-35 13 50.23	0.006	13	0.26	0.501	15	35.8	50.32	21	35.8	K0 L	C8	11291	C -3515080
66		7.1T	57 0.953	0.0002	08	-31 45 55.86	-0.003	08	0.39	0.942	14	05.5	55.73	14	03.6	B8	GC	30768	C -3216848
67	9.5	9.1W	57 1.843	0.0071	21	-34 54 6.23	-0.147	21	0.42	1.720	22	32.8	3.71	21	32.8	G5	C7	11966	C -3515081
68	10.7	10.4W	57 16.686	-0.0043	21	-34 25 10.98	-0.034	21	0.42	16.760	22	32.8	10.39	21	32.8	G0 L	C7	11967	C -3415356
69	9.7	8.7W	57 47.036	-0.0043	21	-33 44 54.51	-0.042	21	0.42	47.110	22	32.8	53.79	21	32.8	K2	C7	11968	C -3415359
70	9.4	9.1W	57 55.590	-0.0002	13	-37 6 3.03	-0.015	13	0.26	55.592	15	35.8	2.82	21	35.8	F2	C8	11292	C -3714598
71	10.2	10.1W	57 59.872	-0.0014	21	-30 44 18.10	0.021	21	0.42	59.897	22	32.8	18.46	21	32.8	F5 L	C7	11969	C -3118593
72		6.7T	58 0.277	0.0024	11	-36 47 47.30	-0.028	10	0.53	0.159	12	01.0	45.90	14	00.2	K0	GC	30786	C -3714599
73	9.0	8.8W	58 0.423	0.0014	13	-39 8 2.74	0.019	13	0.26	0.403	15	35.8	3.01	21	35.8	F5	C8	11294	C -3914526
74	8.1	8.2W	58 1.959	0.0005	06	-35 41 54.64	-0.016	06	0.20	1.952	15	35.8	54.42	21	35.8	A2	C8	11295	C -3615137
75	10.5	9.2W	58 9.935	-0.0001	21	-31 44 58.47	-0.012	21	0.42	9.937	22	32.8	58.27	21	32.8	K2	C7	11970	C -3216857
76	9.8	9.8W	58 19.447	-0.0010	13	-35 19 45.41	-0.007	13	0.26	19.461	15	35.8	45.32	21	35.8	A3	C8	11296	C -3515093
77	11.0		58 27.084	0.0001	18	-38 34 23.42	0.028	18	0.31	27.083	15	35.8	23.82	21	35.8	K1 L	C8	11297	C -3814834
78		7.4T	58 31.114	0.0025	12	-34 4 33.76	-0.091	11	0.64	30.987	15	99.2	28.90	17	96.6	K0	GC	30797	C -3415368
79	9.0	8.9W	58 32.614	0.0030	13	-36 17 59.40	-0.027	13	0.26	32.572	15	35.8	59.02	21	35.8	F2	C8	11298	C -3615141
80	9.9	9.7W	58 32.668	-0.0036	21	-33 56 10.79	0.006	21	0.42	32.730	22	32.8	10.90	21	32.8	G0	C7	11972	C -3415369
81	9.1	9.1W	58 39.782	-0.0035	13	-36 21 53.87	0.010	13	0.26	39.832	15	35.8	54.02	21	35.8	F0	C8	11299	C -3615142
82	9.3	8.7W	58 46.641	0.0041	13	-36 33 5.12	-0.015	13	0.26	46.582	15	35.8	4.92	21	35.8	G5	C8	11300	C -3615144
83	10.1	9.2W	58 53.095	-0.0001	21	-31 41 29.06	0.012	21	0.42	53.097	22	32.8	29.27	21	32.8	K0	C7	11973	C -3216861
84	9.5	9.3W	58 54.407	-0.0012	21	-32 18 8.47	0.035	21	0.42	54.427	22	32.8	9.07	21	32.8	F5	C7	11974	C -3216862
85	9.6	9.3W	58 56.939	-0.0038	13	-38 11 10.18	-0.033	13	0.26	56.992	15	35.8	9.72	21	35.8	F5	C8	11301	C -3814840
86	8.4	8.4W	58 57.991	0.0013	08	-37 25 2.71	-0.035	08	0.22	57.972	15	35.8	2.22	21	35.8	A2	C8	11302	C -3714610
87	10.1	10.0W	59 1.071	-0.0005	21	-33 16 10.05	-0.021	21	0.42	1.079	22	32.8	9.69	21	32.8	A5	C7	11975	C -3315873
88	10.7	10.1W	59 1.255	-0.0025	21	-31 33 8.87	-0.041	21	0.42	1.297	22	32.8	8.17	21	32.8	G5 L	C7	11976	C -3118597
89	8.6	7.2W	59 7.090	0.0027	13	-35 47 16.42	-0.043	13	0.26	7.051	15	35.8	15.82	21	35.8	K0	C8	11303	C -3615146
90	8.9	7.6W	59 7.636	-0.0038	21	-34 37 25.89	-0.005	21	0.42	7.700	22	32.8	25.81	21	32.8	K5	C7	11977	C -3415374
91	10.5	9.4W	59 9.602	0.0007	13	-34 59 52.24	0.012	13	0.26	9.591	15	35.8	52.41	21	35.8	K5	C8	11304	C -3515099
92	10.8	10.6W	59 16.511	-0.0027	21	-32 8 28.05	0.007	21	0.42	16.557	22	32.8	28.17	21	32.8	G0 L	C7	11978	C -3216865
93	8.1	8.1W	59 28.437	0.0032	13	-36 4 33.70	-0.027	13	0.26	28.392	15	35.8	33.32	21	35.8	A5	C8	11306	C -3615151
94	8.9	8.6W	59 34.069	-0.0017	07	-37 20 25.26	0.018	07	0.21	34.092	15	35.8	25.52	21	35.8	F5	C8	11307	C -3714614
95		6.7T	59 38.449	0.0006	10	-32 22 31.96	0.050	11	0.53	38.417	14	00.8	34.41	14	01.3	F5	GC	30819	C -3216868
96	9.0E	8.0Z	59 46.165	-0.0002	12	-39 53 52.85	0.005	12	0.65	46.176	26	99.5	53.12	22	99.5	K2	CZ	19706	P -40 9644
97	10.0	10.1W	59 47.795	-0.0027	18	-38 12 31.61	-0.014	18	0.31	47.832	15	35.8	31.42	21	35.8	A0	C8	11308	C -3814848
98	10.0	9.0W	59 48.592	-0.0014	21	-30 57 13.51	-0.026	21	0.42	48.617	22	32.8	13.06	21	32.8	K2	C7	11980	C -3118610
99	9.9	9.1W	22 0 20.622	0.0001	13	-35 1 15.80	0.001	13	0.26	20.621	15	35.8	15.82	21	35.8	K0	C8	11309	C -3515109
00	8.5	7.1W	0 22.687	-0.0006	21	-31 41 14.16	-0.017	21	0.42	22.697	22	32.8	13.87	21	32.8	M8	C7	11981	C -3216875

213500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 22H DM NUMBER
1	9.6	8.8M	22 0 22.938	0.0017	13	-38 59 42.52	0.007	13	0.26	22.913	15	35.8	42.62	21	35.8	G5		C8	11310	C -3914544
2		7.0T	0 23.904	0.0095	09	-30 8 46.87	-0.011	08	0.51	23.369	17	93.8	46.25	15	93.8	F0		GC	30838	C -3018975
3	10.9	10.6M	0 24.519	0.0000	21	-32 31 11.88	-0.023	21	0.42	24.519	22	32.8	11.49	21	32.8			C7	11983	C -3216876
4	10.9		0 29.317	-0.0025	18	-36 56 34.54	-0.016	18	0.31	29.352	15	35.8	34.32	21	35.8	G2	L	C8	11311	C -3714622
5	9.6	9.5M	0 31.362	-0.0015	10	-37 12 14.61	0.000	10	0.23	31.382	15	35.8	14.62	21	35.8	A0		C8	11312	C -3714624
6	9.6	8.9M	0 32.505	0.0010	21	-31 50 50.03	-0.062	21	0.42	32.487	22	32.8	48.97	21	32.8	G5		C7	11984	C -3216878
7	11.3	10.2M	0 42.655	-0.0003	21	-33 32 32.92	0.016	21	0.42	42.659	22	32.8	33.20	21	32.8			C7	11985	C -3315890
8	10.0	10.0M	0 47.650	-0.0004	21	-32 10 44.50	-0.008	21	0.42	47.657	22	32.8	44.37	21	32.8	A2		C7	11986	C -3216879
9	8.8	8.9M	0 51.685	0.0009	21	-32 35 54.81	0.010	21	0.42	51.669	22	32.8	54.99	21	32.8	A2		C7	11987	C -3216881
10	10.7	10.2M	0 59.964	0.0182	21	-34 47 50.06	-0.038	21	0.42	59.650	22	32.8	49.41	21	32.8			C7	11988	C -3515117
11	10.6	10.1M	1 3.339	0.0064	21	-32 47 12.60	-0.001	21	0.42	3.229	22	32.8	12.59	21	32.8	G0		C7	11989	C -3315895
12	10.6	9.8M	1 10.586	-0.0035	21	-31 18 50.79	0.022	21	0.42	10.647	22	32.8	51.16	21	32.8	K0	L	C7	11990	C -3118619
13	10.9	10.1M	1 20.154	-0.0020	13	-36 22 59.78	-0.033	13	0.26	20.182	15	35.8	59.31	21	35.8	G5		C8	11313	C -3615163
14		7.1T	1 21.784	0.0098	14	-39 7 7.08	-0.038	13	0.73	21.299	18	00.5	5.02	18	96.1	G5		GC	30852	C -3914553
15	11.5	10.0M	1 28.739	0.0030	21	-32 13 11.47	-0.006	21	0.42	28.687	22	32.8	11.37	21	32.8			C7	11991	C -3216886
16	10.4	9.3M	1 29.857	-0.0011	18	-38 18 17.20	-0.006	18	0.31	29.872	15	35.8	17.12	21	35.8	K2		C8	11315	C -3814866
17		6.7T	1 31.187	0.0011	06	-30 9 34.39	0.005	05	0.28	31.135	12	03.8	34.64	10	99.0	K5		GC	30856	C+-3018985
18	9.1	8.3M	1 34.300	0.0006	21	-34 0 3.39	-0.052	21	0.42	34.290	22	32.8	2.49	21	32.8	K0		C7	11993	C -3415391
19	10.5	9.4M	1 34.536	0.0025	21	-30 36 4.23	-0.004	21	0.42	34.497	22	32.8	4.16	21	32.8	K5		C7	11994	C -3018986
20	10.1	10.0M	1 36.205	-0.0060	18	-35 18 56.15	-0.031	18	0.31	36.290	15	35.8	55.72	21	35.8	F8		C8	11316	C -3515121
21	10.8	9.8M	1 44.431	0.0001	21	-33 4 57.60	-0.030	21	0.42	44.429	22	32.8	57.09	21	32.8	K0	L	C7	11995	C+-3315898
22	9.2	7.7M	1 44.861	0.0042	13	-35 56 22.43	0.013	13	0.26	44.802	15	35.8	22.62	21	35.8	MA		C8	11318	C -3615166
23	9.2	8.5M	1 47.524	0.0016	21	-31 4 35.29	0.045	21	0.42	47.497	22	32.8	36.06	21	32.8	G5		C7	11996	C -3118626
24	10.1	9.6M	1 49.500	-0.0002	18	-37 36 20.50	0.001	18	0.31	49.502	15	35.8	20.52	21	35.8	F8		C8	11320	C -3714637
25	10.1	8.9M	1 52.871	0.0030	21	-32 47 47.19	-0.012	21	0.42	52.819	22	32.8	46.99	21	32.8	K2		C7	11997	C -3315900
26	11.2	10.6M	1 53.033	0.0009	21	-32 22 11.06	-0.017	21	0.42	53.017	22	32.8	10.77	21	32.8			C7	11998	C -3216890
27	9.9	9.6M	1 56.057	0.0018	21	-31 7 17.23	-0.068	21	0.42	56.027	22	32.8	16.06	21	32.8	G0		C7	11999	C -3118628
28	9.1E	8.5Z	1 59.327	0.0052	12	-39 56 53.90	-0.043	12	0.83	59.078	63	01.8	51.84	57	01.8	G0		C2	19722D	P*-40 9649
29	9.8	9.3M	2 6.415	-0.0082	21	-30 5 39.52	-0.098	21	0.42	6.555	22	32.8	37.83	21	32.8	G0		C7	12000	C -3018994
30	9.0	8.6M	2 7.635	0.0271	06	-35 25 21.07	-0.194	06	0.20	7.250	15	35.8	18.32	21	35.8	G5		C8	11322	C -3515127
31	10.1	9.4M	2 8.024	-0.0015	21	-33 12 20.31	-0.118	21	0.42	8.049	22	32.8	18.29	21	32.8	G5		C7	12001	C -3315903
32	9.4	8.6M	2 16.521	-0.0001	10	-37 33 30.28	-0.026	10	0.23	16.522	15	35.8	29.92	21	35.8	G5		C8	11323	C -3714642
33	9.1	8.9M	2 22.731	-0.0131	21	-30 37 8.20	0.004	21	0.42	22.957	22	32.8	8.26	21	32.8	F8		C7	12002	C+-3018996
34	9.4	8.5M	2 24.905	-0.0011	13	-35 24 25.73	0.013	13	0.26	24.921	15	35.8	25.92	21	35.8	K0		C8	11324	C -3515132
35	10.6	9.0M	2 37.018	-0.0011	07	-38 39 19.83	-0.022	07	0.21	37.033	15	35.8	19.52	21	35.8	K5		C8	11325	C -3914561
36	10.1	9.8M	2 38.519	-0.0018	21	-33 31 25.68	-0.028	21	0.42	38.550	22	32.8	25.20	21	32.8	G0		C7	12003	C -3315904
37	8.5	8.2M	2 42.205	0.0040	21	-30 57 6.01	0.021	21	0.42	42.137	22	32.8	6.36	21	32.8	G0		C7	12004	C -3118636
38	10.8	10.4M	2 49.770	-0.0039	21	-31 58 40.24	-0.144	21	0.42	49.837	22	32.8	37.77	21	32.8			C7	12005	C -3216897
39	9.2	8.4M	2 51.847	0.0010	21	-33 52 50.72	-0.025	21	0.42	51.830	22	32.8	50.30	21	32.8	K2		C7	12006	C -3415401
40	10.4	10.2M	2 54.269	-0.0017	18	-36 59 9.94	-0.002	18	0.31	54.312	15	35.8	9.92	21	35.8	G0		C8	11326	C -3714645
41	9.1	9.4M	3 0.815	-0.0007	21	-31 35 43.57	-0.047	21	0.42	0.827	22	32.8	42.77	21	32.8	A0		C7	12007	C -3118637
42	9.8	8.8M	3 5.318	-0.0001	21	-34 38 36.13	-0.013	21	0.42	5.320	22	32.8	35.91	21	32.8	K5		C7	12008	C -3515140
43		4.6M	3 6.497	-0.0017	03	-39 47 7.80	-0.117	03	0.12	6.561	06	11.9	3.44	05	12.6	K2		F4	1581	C -4014639
44	10.5	9.5M	3 26.399	-0.0003	18	-37 48 56.06	-0.003	18	0.31	26.402	15	35.8	56.02	21	35.8	K0		C8	11330	C -3814883
45	11.0	10.7M	3 31.703	-0.0027	21	-32 35 8.31	-0.083	21	0.42	31.749	22	32.8	6.89	21	32.8			C7	12009	C -3216902
46	9.7	9.4M	3 39.712	0.0050	21	-30 17 3.21	0.007	21	0.42	39.625	22	32.8	3.33	21	32.8	G0		C7	12010	C -3019005
47	9.6	8.2M	3 41.436	0.0005	21	-31 48 49.61	0.015	21	0.42	41.427	22	32.8	49.87	21	32.8	MA		C7	12011	C -3216903
48	11.4		3 44.578	-0.0017	18	-35 48 1.40	0.008	18	0.31	44.602	15	35.8	1.52	21	35.8	K0	L	C8	11331	C -3615185
49	9.7	9.6M	3 52.625	0.0005	21	-31 12 7.13	-0.068	21	0.42	52.617	22	32.8	5.96	21	32.8	A5		C7	12012	C -3118645
50	10.1	9.8M	3 52.711	0.0012	21	-33 49 44.10	-0.035	21	0.42	52.690	22	32.8	43.50	21	32.8	G0		C7	12013	C -3415407
51	8.7	8.7M	22 3 53.983	0.0027	21	-30 46 31.55	-0.005	21	0.42	53.937	22	32.8	31.46	21	32.8	F0		C7	12014	C -3118646
52	10.5	9.7M	3 55.809	0.0032	13	-39 52 45.48	-0.026	13	0.26	55.764	15	35.8	45.12	21	35.8	K1	L	C8	11333	C -4014646
53	10.7	9.6M	3 56.526	0.0002	18	-37 21 48.47	0.003	18	0.31	56.522	15	35.8	48.52	21	35.8	K1	L	C8	11334	C -3714652
54	9.9	9.7M	4 6.264	0.0010	21	-31 56 37.36	-0.046	21	0.42	6.247	22	32.8	36.57	21	32.8	F5		C7	12016	C -3216910
55	9.5	8.4M	4 7.683	-0.0055	06	-35 27 1.17	-0.032	06	0.20	7.761	15	35.8	0.72	21	35.8	K0		C8	11336	C -3515146
56	9.6	8.2M	4 8.122	0.0015	21	-31 10 39.19	-0.054	21	0.42	8.097	22	32.8	38.26	21	32.8	K2		C7	12017	C -3118648
57	9.8	9.1M	4 10.253	-0.0051	21	-34 13 36.42	-0.077	21	0.42	10.340	22	32.8	35.09	21	32.8	G5		C7	12018	C -3415410
58	8.9	8.6M	4 13.314	-0.0020	13	-39 10 42.01	-0.035	13	0.26	13.343	15	35.8	41.52	21	35.8	F5		C8	11338	C -3914576
59	10.3	9.9M	4 21.715	-0.0053	21	-30 40 39.77	0.011	21	0.42	21.807	22	32.8	39.96	21	32.8	F8	L	C7	12019	C -3118649
60	10.4	9.4M	4 24.307	0.0022	21	-33 0 29.94	0.032	21	0.42	24.269	22	32.8	30.49	21	32.8	K0		C7	12020	C -3315916
61	10.3	10.1M	4 32.083	-0.0004	21	-33 49 46.08	-0.005	21	0.42	32.089	22	32.8	45.99	21	32.8	F8		C7	12021	C -3415413
62	10.2	9.3M	4 32.663	-0.0008	21	-30 47 21.85	-0.040	21	0.42	32.677	22	32.8	21.16	21	32.8	K0		C7	12022	C -3118653
63	9.3	8.8M	4 33.306	0.0250	21	-30 40 29.85	0.024	21	0.42	32.877	22	32.8	30.26	21	32.8	G5		C7	12023	C -3118652
64	10.2	9.1M	4 46.035	0.0023	21	-30 13 54.06	-0.054	21	0.42	45.995	22	32.8	53.13	21	32.8	K5		C7	12024	C -3019013
65	10.1	8.7M	4 49.641	0.0019	13	-38 59 58.61	-0.014	13	0.26	49.613	15	35.8	58.82	21	35.8	K5		C8	11340	C -3914579
66	10.2	9.6M	4 55.685	0.0017	13	-35 16 20.47	-0.018	13	0.26	55.661	15	35.8	20.21	21	35.8	G5		C8	11341	C -3515158
67	10.0	9.6M	4 56.257	0.0004	21	-34 16 7.80	0.093	21	0.42	56.249	22	32.8	9.39	21	32.8	G0		C7	12025	C -3415416
68	9.6	9.4M	4 58.204	0.0008	21	-34 0 44.63	-0.043	21	0.42	58.190	22	32.8	43.90	21	32.8	F8		C7	12026	C -3415417
69	11.2		5 0.236	-0.0040	23	-38 35 47.48	-0.047	23	0.37	0.293	15	35.8	46.82	21	35.8	F8	L	C8	11342	C -3814895
70	8.9	8.6M	5 6.577	0.0016	21	-32 37 31.11	0.010	21	0.42	6.549	22	32.8	31.29	21	32.8	F2		C7	12027	C -3216917
71	9.8	8.7M	5 14.042	-0.0022	18	-36 51 12.98	-0.005	18	0.31	14.072	15	35.8	12.92	21	35.8	G5		C8	11344	C -3714662
72	10.2	10.0M	5 15.289	0.0042	21	-31 2 49.13	-0.097	21	0.42	15.217	22	32.8	47.46	21	32.8	F8		C7	12028	C -3118660
73	9.4	9.4M	5 19.183	0.0039	21	-30 29 30.99	0.014	21	0.42	19.115	22	32.8	31.23	21	32.8	A0		C7	12029	C -3019022
74	10.9	9.6M	5 21.898	-0.0074	23	-36 33 29.96	0.025	23	0.37	22.002	15	35.8	30.32	21	35.8	K0		C8	11345	C -3615201
75		7.1T	5 23.581	0.0012	15	-34 48 1.14	-0.058	12	0.69	23.521	18	01.9	-58.14	18	98.3	MB		GC	30853	C+-3515163
76		4.6M	5 28.281	0.0061	03	-33 14 0.28	-0.033	03	0.12	28.085	06	18.2	-59.18	06	16.7	A2		F4	832	C -3315922
77		5.1T	5 30.682	0.0006	06	-34 17 18.22	-0.045	05	0.24	30.661	09	12.1	16.45	09	10.6	K5		GC	30957	C+-3415421
78	8.6	8.2M	5 30.797	0.0109	21	-33 11 30.14	-0.044	21	0.42	30.609	22	32.8	29.39	21	32.8			C7	12032	C -3315924
79	10.1	9.4M	5 31.595	0.0038	13	-35 14 14.64	-0.030	13	0.26	31.541	15	35.8	14.22	21	35.8	G5		C8	11346	C -3515164
80	9.4	9.5M	5 34.406	-0.0012	11	-36 32 57.01	-0.007	11	0.24	34.422	15	35.8	56.92	21	35.8	A0		C8	11348	C -3615203
81	10.2	9.4M	5 43.012	0.0042	21	-34 21 57.78	-0.034	21	0.42	42.940	22	32.8	57.20	21	32.8	K2		C7	12034	C -3415422
82	7.9	8.2M	5 46.294	0.0043	10	-39 42 33.17	-0.011	10	0.23	46.234	15	35.8	33.02	21	35.8	A0		C8	11349	C -4014659
83		6.4T	5 48.126	0.0018	12	-33 22 16.69	0.033	09	0.58	48.036	18	99.0	18.49	17	95.6	A2		GC	30965	C -3315926
84	8.5	8.5M	5 48.149	0.0047	13	-38 19 31.30	-0.006	13	0.26	48.082	15	35.8	31.22	21	35.8	A5		C8	11350	C -3814902
85	9.0	7.9M	5 51.440	-0.0016	08	-38 1 28.91	-0.028	08	0.22	51.462	15	35.8	28.52	21	35.8	K0		C8	11351	C -3814904
86	10.9	10.1M	5 58.589	0.0007	21	-32 0 11.51	-0.090	21	0.42	58.577	22	32.8	9.97	21	32.8	G2	L	C7	12036	C -3216924
87	9.1	7.7M	5 59.973	0.0008	21	-32 44 18.53	0.021	21	0.42	59.959	22	32.8	18.89	21	32.8	MB		C7	12037	C -3315930
88	11.0	10.4M	6 1.750	-0.0011	21	-32 50 47.38	0.006	21	0.42	1.769	22	32.8	47.49	21	32.8	G2	L	C7	12038	C -3315932
89	8.4	7.3M	6 3.064	-0.0034	06	-36 18 4.87	-0.025	06	0.20	3.112	15	35.8	4.52	21	35.8	K0		C8	11355	C -3615212
90	10.5	10.3M	6 3.083	0.0022	09	-36 18 56.30	-0.006	09	0.22	3.052	15	35.8	56.22	21	35.8	G0	L	C8	11354	C -3615211
91	10.8	10.0M	6 7.322	-0.0049	21	-31 1 44.93	-0.097	21	0.42	7.407	22	32.8	43.26	21	32.8	K0	L	C7	12039	C -3118666
92	10.7	9.8M	6 10.415	-0.0007	21	-32 29 15.51	-0.061	21	0.42	10.427	22	32.8	14.47	21	32.8	K0	L	C7	12040	C -3216926
93	9.9	9.0M	6 16.262	0.0015	13	-35 0 57.42	-0.050	13	0.26	16.241	15	35.8	56.72	21	35.8	K0		C8	11357	C -3515174
94	9.8	9.0M	6 40.955	0.0017	13	-35 1 15.98	-0.009	13	0.26	40.930	15	35.8	16.12	21	35.8	K0		C8	11359	C -3515181
95	9.6	9.1M	6 47.722	0.0077	21	-33 59 57.67	-0.115	21	0.42	47.590	22	32.8	55.70	21	32.8	F8		C7	12041	C -3415428
96	10.0	8.9M	6 48.452	0.0006	13	-39 52 3.97	-0.032	13	0.26	48.444	15	35.8	3.52	21	35.8	K0		C8	11360	C -4014669
97	10.4	10.2M	6 48.682	0.0028	18	-37 41 41.78	0.009	18	0.31	48.642	15	35.8	41.92	21	35.8	F5	L	C8	11361	C -3814909
98	9.2	9.0M	6 59.175	-0.0018	21	-30 22 56.91	0.019	21	0.42	59.205	22	32.8	57.23	21	32.8	F8		C7	12042	C -3019033
99		5.5T	7 0.767	-0.0014	08	-34 15 40.62	0.042	08	0.37	0.827	12	08.1	42.44	14	06.7	A5		GC	30996	C -3415430
100	9.3	8.3M	7 3.876	0.0004	21	-32 50 18.66	-0.010	21	0.42	3.869	22	32.8	18.49	21	32.8	K0		C7	12044	C -3315939

213600			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-30° 22H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	10.8	9.9W	22 7 7.550	0.0014	21	-31 22 30.54	0.007	21	0.42	7.527	22	32.8	30.66	21	32.8	K0		C7	12045	C -3118677	
2		5.1T	7 13.298	0.0344	06	-32 47 41.36	0.015	05	0.30	11.762	12	05.3	42.11	12	00.5	F8		GC	31003	C*-3315941	
3	9.2	8.7W	7 18.625	-0.0033	08	-36 13 25.74	-0.051	08	0.22	18.672	15	35.8	25.02	21	35.8	G5		C8	11362	C -3615225	
4	10.8	9.8W	7 27.417	-0.0017	21	-30 33 33.04	0.013	21	0.42	27.447	22	32.8	33.26	21	32.8	K2	L	C7	12047	C -3019037	
5	10.8	10.2W	7 29.341	0.0049	21	-31 19 27.33	0.008	21	0.42	29.257	22	32.8	27.46	21	32.8	G0	L	C7	12048	C -3118678	
6	9.2	8.9W	7 31.245	0.0037	09	-38 25 21.84	-0.051	09	0.22	31.192	15	35.8	21.12	21	35.8	F2		C8	11363	C -3814914	
7			7 31.712	0.0015	13	-35 15 53.11	-0.028	13	0.26	31.691	15	35.8	52.72	21	35.8	G0	L	C8	11364	C -3515185	
8	7.9	7.6W	7 37.538	-0.0013	21	-34 4 23.20	-0.035	21	0.42	37.559	22	32.8	22.60	21	32.8	G0		C7	12049	C -3415438	
9		7.1T	7 38.234	0.0198	18	-37 59 42.40	-0.072	13	0.79	37.317	24	03.7	38.81	19	00.2	F5		GC	31011	C -3814915	
10	9.7	9.3W	7 44.757	0.0024	10	-38 25 7.24	-0.023	10	0.23	44.722	15	35.8	6.92	21	35.8	F5		C8	11366	C -3814916	
11	9.7	8.9W	7 50.222	0.0006	13	-39 16 59.96	-0.003	13	0.26	50.213	15	35.8	59.92	21	35.8	G5		C8	11367	C -3914605	
12	10.1	9.4W	7 50.716	0.0221	09	-38 12 57.75	-0.080	09	0.22	50.402	15	35.8	56.62	21	35.8	G5		C8	11368	C -3814918	
13	9.8	9.5W	7 51.152	0.0056	21	-30 10 38.85	0.022	21	0.42	51.055	22	32.8	39.23	21	32.8	G5		C7	12050	C -3019041	
14	10.6	10.2W	7 53.199	-0.0047	21	-33 43 40.90	0.046	21	0.42	53.279	22	32.8	41.69	21	32.8	F8	L	C7	12051	C -3415440	
15		7.9T	8 2.360	-0.0010	18	-39 47 34.72	-0.082	20	0.92	2.408	18	02.7	30.81	18	02.4	G0		GC	31024	C -4014677	
16	10.3	9.4W	8 7.192	0.0025	21	-33 26 9.90	-0.036	21	0.42	7.149	22	32.8	9.29	21	32.8	G5		C7	12052	C -3315947	
17	11.0	10.5W	8 14.479	-0.0051	21	-30 44 31.26	-0.052	21	0.42	14.567	22	32.8	30.36	21	32.8	G0	L	C7	12053	C -3118684	
18	9.8	9.5W	8 18.871	0.0067	21	-30 27 57.59	-0.050	21	0.42	18.755	22	32.8	56.73	21	32.8	F8		C7	12054	C -3019047	
19	10.7	10.5W	8 26.064	-0.0050	21	-34 16 31.64	0.015	21	0.42	26.150	22	32.8	31.89	21	32.8	F5	L	C7	12055	C -3415444	
20	10.3	9.4W	8 28.859	0.0019	13	-36 17 16.75	-0.038	13	0.26	28.832	15	35.8	16.22	21	35.8	K0		C8	11374	C -3615239	
21		7.9T	8 28.903	0.0016	13	-38 17 35.60	0.024	12	0.63	28.828	19	03.2	36.78	18	00.8	A2		GC	31032	C -3814923	
22	9.6	9.0W	8 30.354	-0.0012	13	-35 11 11.39	0.016	13	0.26	30.371	15	35.8	11.62	21	35.8	G5		C8	11375	C -3515192	
23	10.6	10.2W	8 39.196	0.0005	21	-31 43 40.20	0.004	21	0.42	39.187	22	32.8	40.27	21	32.8	G5	L	C7	12056	C -3216943	
24	10.5	9.5W	8 41.283	-0.0013	18	-36 7 33.80	0.001	18	0.31	41.301	15	35.8	33.82	21	35.8	K0		C8	11376	C -3615243	
25		6.7T	8 43.027	0.0030	13	-34 42 42.57	-0.010	10	0.59	42.881	14	01.9	42.07	15	99.8	F2		GC	31036K	C*-3515193	
26	10.7	10.1W	8 47.806	0.0046	13	-35 25 1.08	-0.040	13	0.26	47.740	15	35.8	0.52	21	35.8	G0		C8	11377	C -3515194	
27	10.5	10.2W	8 53.796	0.0000	21	-30 28 9.53	-0.035	21	0.42	53.795	22	32.8	8.93	21	32.8	G0	L	C7	12058	C -3019051	
28	11.2	10.5W	8 57.878	0.0065	21	-30 12 53.20	-0.062	21	0.42	57.765	22	32.8	52.13	21	32.8	G2	L	C7	12059	C -3019052	
29	10.6	9.7W	8 59.166	-0.0002	21	-32 58 28.52	-0.014	21	0.42	59.169	22	32.8	28.29	21	32.8	K0	L	C7	12060	C -3315952	
30	9.7	9.4W	8 59.694	-0.0031	21	-32 9 16.80	0.004	21	0.42	59.747	22	32.8	16.87	21	32.8	F8		C7	12061	C -3216945	
31		6.7T	9 4.128	-0.0021	13	-38 33 1.52	0.023	12	0.73	4.244	22	94.4	2.72	21	97.3	F2		GC	31041K	C*-3814928	
32	10.5	9.4W	9 4.616	0.0011	21	-31 37 58.66	-0.011	21	0.42	4.597	22	32.8	58.47	21	32.8	K2		C7	12062	C -3218690	
33	10.8	10.0W	9 9.006	0.0003	13	-35 31 17.03	0.027	13	0.26	9.002	15	35.8	17.42	21	35.8	K0		C8	11380	C -3515197	
34	10.7	10.4W	9 13.255	-0.0048	23	-36 54 34.47	-0.032	23	0.37	13.322	15	35.8	34.02	21	35.8	F2	L	C8	11381	C -3714684	
35	9.5	8.1W	9 16.304	-0.0003	21	-32 47 0.94	-0.044	21	0.42	16.309	22	32.8	0.19	21	32.8	K5		C7	12063	C -3315954	
36	10.5	9.1W	9 19.345	-0.0012	13	-36 24 54.48	0.038	13	0.26	19.361	15	35.8	55.02	21	35.8	K2		C8	11382	C -3615248	
37	9.6	9.3W	9 21.402	-0.0004	21	-32 39 27.88	-0.012	21	0.42	21.409	22	32.8	27.69	21	32.8	F8		C7	12064	C -3315956	
38	10.5	9.9W	9 23.566	0.0017	21	-31 59 57.52	-0.044	21	0.42	23.537	22	32.8	56.77	21	32.8	K0		C7	12065	C -3216948	
39	10.7	10.4W	9 24.560	-0.0030	21	-34 49 26.45	0.021	21	0.42	24.610	22	32.8	26.81	21	32.8	G0	L	C7	12066	C -3515198	
40	8.4	8.2W	9 25.656	0.0046	21	-32 18 35.64	-0.010	21	0.42	25.577	22	32.8	35.47	21	32.8	F5		C7	12067	C -3216949	
41	10.6	10.3W	9 28.535	-0.0055	21	-32 40 12.47	-0.040	21	0.42	28.629	22	32.8	11.79	21	32.8	F0	L	C7	12068	C -3315957	
42	9.4	9.1W	9 35.961	-0.0009	18	-38 32 39.42	-0.036	18	0.31	35.973	15	35.8	38.92	21	35.8	F5		C8	11383	C -3814932	
43	10.3	10.1W	9 49.166	0.0017	13	-35 47 14.74	-0.002	13	0.26	49.141	15	35.8	14.72	21	35.8	G0		C8	11386	C -3615256	
44	10.0	9.2W	9 58.381	-0.0036	09	-35 40 42.31	0.000	09	0.22	58.431	15	35.8	42.32	21	35.8	K0		C8	11387	C -3615262	
45	7.9	7.8W	10 26.509	0.0054	09	-37 43 55.05	-0.031	09	0.22	26.432	15	35.8	54.62	21	35.8	A3		C8	11389	C -3814938	
46	11.0		10 28.483	-0.0013	13	-36 9 6.17	0.010	13	0.26	28.502	15	35.8	6.31	21	35.8	K0		C8	11390	C -3615266	
47	10.7	9.8W	10 29.879	-0.0012	21	-33 14 22.18	-0.058	21	0.42	29.899	22	32.8	21.19	21	32.8	K0	L	C7	12069	C -3315965	
48	10.7	10.1W	10 34.522	-0.0040	21	-33 43 4.95	0.026	21	0.42	34.590	22	32.8	5.40	21	32.8	G5		C7	12070	C -3415461	
49	9.3	8.5W	10 38.820	0.0013	13	-35 59 28.98	-0.026	13	0.26	38.862	15	35.8	28.62	21	35.8	G5		C8	11391	C -3615267	
50	9.3	8.6W	10 53.242	0.0009	21	-31 6 16.81	0.003	21	0.42	53.227	22	32.8	16.86	21	32.8	G5		C7	12071	C -3118699	
51	7.7	7.5W	22 10 57.920	0.0049	08	-35 0 28.27	0.017	08	0.22	57.850	15	35.8	28.52	21	35.8	F0		C8	11392	C -3515209	
52		9.1T	11 1.380	0.0050	17	-31 45 0.76	0.005	18	0.84	1.146	22	03.6	1.00	22	04.0	F5		GC	31089	C -3216959	
53	9.5	8.4W	11 13.782	0.0015	21	-30 43 30.82	-0.067	21	0.42	13.757	22	32.8	29.66	21	32.8	K2		C7	12073	C -3118701	
54	9.2E	8.5Z	11 21.387	0.0113	12	-39 59 45.55	-0.040	12	0.66	20.816	28	99.3	43.54	26	99.3	G0		CZ	19804	F -40 9666	
55	10.7	9.9W	11 23.232	0.0000	13	-35 56 2.96	-0.017	13	0.26	23.231	15	35.8	2.72	21	35.8	G5		C8	11396	C -3615269	
56	10.4	9.4W	11 26.259	-0.0004	21	-30 33 6.02	-0.003	21	0.42	26.267	22	32.8	5.96	21	32.8	K0		C7	12074	C -3019068	
57	9.6	9.3W	11 29.479	0.0002	21	-30 18 44.58	0.038	21	0.42	29.475	22	32.8	45.23	21	32.8	F5		C7	12075	C -3019070	
58	9.8	8.7W	11 29.942	-0.0029	09	-38 2 27.51	-0.035	09	0.22	29.982	15	35.8	27.02	21	35.8	K0		C8	11397	C -3814945	
59	10.1	9.8W	11 32.416	0.0038	21	-34 23 45.25	0.020	21	0.42	32.350	22	32.8	45.59	21	32.8	F8		C7	12076	C -3415467	
60	10.2	9.4W	11 41.935	-0.0026	21	-32 33 19.90	-0.129	21	0.42	41.979	22	32.8	17.69	21	32.8	K0		C7	12077	C -3216963	
61	10.3	9.7W	11 45.549	-0.0034	21	-32 27 16.33	-0.056	21	0.42	45.607	22	32.8	15.37	21	32.8	G5		C7	12078	C -3216964	
62	9.4	9.1W	11 47.654	0.0109	21	-30 55 56.22	-0.044	21	0.42	47.667	22	32.8	55.46	21	32.8	F8		C7	12079	C -3118704	
63	8.4	8.1W	11 51.684	-0.0070	08	-36 48 8.26	-0.116	08	0.22	51.782	15	35.8	6.62	21	35.8	F8		C8	11398	C -3714702	
64	10.7	9.7W	11 51.856	-0.0020	21	-34 8 19.29	0.035	21	0.42	51.889	22	32.8	19.90	21	32.8	G5	L	C7	12080	C -3415472	
65	10.6	10.6W	11 52.938	0.0001	21	-30 35 56.42	0.014	21	0.42	52.937	22	32.8	56.66	21	32.8	A2	L	C7	12081	C -3019074	
66	10.4	9.7W	11 55.006	0.0038	13	-34 58 31.10	0.050	13	0.26	54.951	15	35.8	31.81	21	35.8	G5		C8	11399	C -3515214	
67	10.0	9.2W	11 55.227	0.0016	21	-33 23 32.61	-0.042	21	0.42	55.199	22	32.8	31.89	21	32.8	G5		C7	12082	C -3315978	
68	9.4	9.0W	11 55.837	0.0074	06	-36 26 8.58	0.009	06	0.20	55.732	15	35.8	8.72	21	35.8	G0		C8	11400	C -3615275	
69	8.9	8.7W	12 8.240	-0.0010	21	-32 24 49.24	-0.010	21	0.42	8.257	22	32.8	49.07	21	32.8	F2		C7	12083	C -3216965	
70	10.6	9.4W	12 16.241	0.0031	21	-31 58 19.67	-0.047	21	0.42	16.187	22	32.8	18.87	21	32.8	K2		C7	12084	C -3216966	
71	10.4	9.0W	12 18.577	0.0009	13	-39 23 24.01	0.007	13	0.26	18.563	15	35.8	24.12	21	35.8	K0		C8	11402	C -3914639	
72	10.4	9.6W	12 36.209	-0.0006	21	-33 26 34.29	-0.035	21	0.42	36.219	22	32.8	33.69	21	32.8	K0		C7	12085	C -3315983	
73	10.5	9.6W	12 36.877	-0.0011	18	-38 16 22.57	0.003	18	0.31	36.892	15	35.8	22.62	21	35.8	G5		C8	11406	C -3814954	
74	10.5	9.6W	12 42.206	0.0044	21	-33 52 13.46	-0.021	21	0.42	42.130	22	32.8	13.10	21	32.8	G5		C7	12086	C -3415479	
75	10.6		12 43.366	-0.0012	18	-37 27 37.00	0.022	18	0.31	43.382	15	35.8	37.32	21	35.8	F8		C8	11407	C -3714707	
76	10.5	9.9W	12 55.137	-0.0038	13	-35 10 7.18	-0.005	13	0.26	55.190	15	35.8	7.12	21	35.8	G5		C8	11409	C -3515222	
77	10.3	9.8W	12 56.064	0.0126	21	-32 4 22.99	0.016	21	0.42	55.847	22	32.8	23.27	21	32.8	F8		C7	12087	C -3216970	
78	10.0	9.1W	12 57.305	-0.0008	21	-32 57 13.52	0.004	21	0.42	57.319	22	32.8	13.59	21	32.8	G5		C7	12088	C -3315987	
79	10.0	9.0W	12 58.348	-0.0003	13	-37 9 10.22	-0.064	13	0.26	58.352	15	35.8	9.32	21	35.8	G5		C8	11410	C -3714710	
80		8.5T	13 4.587	0.0037	14	-32 6 38.38	0.007	17	0.76	4.406	18	01.7	38.71	19	03.8	G5		GC	31134	C -3216974	
81	11.1	10.2W	13 6.021	-0.0015	21	-31 45 17.30	-0.031	21	0.42	6.047	22	32.8	16.77	21	32.8	G2	L	C7	12090	C -3216975	
82	9.8	9.1W	13 17.487	-0.0006	21	-32 17 13.37	-0.006	21	0.42	17.497	22	32.8	13.27	21	32.8	K0		C7	12091	C -3216976	
83	10.4	9.4W	13 22.641	-0.0015	21	-31 38 29.85	-0.034	21	0.42	22.667	22	32.8	29.27	21	32.8	K0		C7	12092	C -3216978	
84	10.4	9.5W	13 25.896	-0.0006	21	-30 39 32.63	0.008	21	0.42	25.907	22	32.8	32.76	21	32.8	K2		C7	12093	C -3118714	
85	10.2	9.8W	13 26.348	-0.0046	21	-31 44 45.20	-0.031	21	0.42	26.427	22	32.8	44.67	21	32.8	G0		C7	12094	C -3216979	
86	9.9	9.3W	13 27.353	-0.0085	21	-33 8 5.51	-0.083	21	0.42	27.499	22	32.8	4.09	21	32.8	G0		C7	12095	C -3315993	
87	10.5	9.6W	13 28.276	0.0004	21	-32 45 8.49	-0.012	21	0.42	28.269	22	32.8	8.29	21	32.8	K0	L	C7	12096	C -3315992	
88	9.1	9.0W	13 35.550	0.0035	13	-35 26 10.76	-0.024	13	0.26	35.501	15	35.8	10.42	21	35.8	F0		C8	11414	C -3515229	
89	10.6	10.2W	13 46.590	0.0026	21	-30 15 35.23	-0.000	21	0.42	46.545	22	32.8	35.23	21	32.8	F5	L	C7	12097	C -3019083	
90	10.1	9.7W	13 54.352	-0.0021	13	-36 1 58.00	0.043	13	0.26	54.382	15	35.8	58.62	21	35.8	G0		C8	11415	C -3615292	
91	8.7	8.0W	13 55.456	-0.0006	21	-30 44 19.55	0.007	21	0.42	55.467	22	32.8	19.66	21	32.8	G5		C7	12098	C -3118721	
92	11.3	10.4W	13 59.916	-0.0153	18	-37 51 7.50	0.001	18	0.31	+ 0.132	15	35.8	7.52	21	35.8	K0	L	C8	11416	C -3814968	
93	10.8	9.7W	14 3.040	0.0006	21	-34 17 23.42	0.039	21	0.42	3.029	22	32.8	24.10	21	32.8	K0	L	C7	12099	C -3415495	
94	9.0	8.0W	14 10.200	0.0023	21	-34 27 51.72	-0.013	21	0.42	10.160	22	32.8	51.49	21	32.8	G5		C7	12100	C -3415496	
95	9.8	9.5W	14 11.578	-0.0005	21	-31 24 30.96	-0.052	21	0.42	11.587	22	32.8	30.06	21	32.8	F8		C7	12101	C -3118724	
96		6.9T	14 15.700	0.0023	17	-35 0 39.38	-0.062	13	0.75	15.593	18	02.6	36.26	15	99.8	K0		GC	31157	C -3515235	
97	9.1	8.6W	14 16.915	0.0122	21	-30 24 7.13	-0.122	21	0.42	16.705	22	32.8	5.03	21	32.8	G5		C7	12102	C -3019084	
98	10.5	9.2W	14 17.800	-0.0009	13	-37 39 38.74	-0.016	13	0.26	17.812	15	35.8	38.52	21	35.8	K2		C8	11420	C -3814973	
99	9.9	8.5W	14 22.604	-0.0015	21	-34 2 32.53	-0.037	21	0.42	22.629	22	32.8	31.89	21	32.8	MA		C7	12103	C -3415497	
00	8.9	8.7W	14 24.483	-0.0027	13	-36 12 1.51	-0.049	13	0.26	24.522	15	35.8	0.82	21	35.8	F2		C8	11421	C -3615299	

213700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.5	9.7W	22 14 25.992	-0.0014	13	-36 13 38.95	-0.066	13	0.26	26.012	15	35.8	38.02	21	35.8		C8	11422	C -3615300
2	9.3	9.0W	14 33.511	0.0007	21	-33 3 15.40	0.005	21	0.42	33.499	22	32.8	15.49	21	32.8	F5	C7	12104	C -3316902
3	10.3	10.0W	14 34.020	0.0005	18	-37 18 59.96	-0.003	18	0.31	34.012	15	35.8	59.92	21	35.8	F5	C8	11423	C -3714721
4	10.5	9.9W	14 36.189	0.0075	13	-36 33 34.77	-0.018	13	0.26	36.082	15	35.8	34.52	21	35.8	G0	C8	11424	C -3615301
5	10.1	9.6W	14 40.247	-0.0025	09	-38 2 31.77	-0.067	09	0.22	40.282	15	35.8	30.82	21	35.8	G0	C8	11425	C -3814975
6		7.1T	14 45.900	0.0043	09	-32 1 0.38	0.012	08	0.41	45.710	14	06.4	0.92	15	05.9	G5	GC	31173	C -3216995
7	9.9	9.6W	14 51.167	-0.0045	08	-35 1 0.14	-0.016	08	0.22	51.231	15	35.8	+59.92	21	35.8	F8	C8	11428	C -3515238
8	9.2	8.7W	15 1.544	0.0119	21	-32 43 35.53	-0.206	21	0.42	1.339	22	32.8	31.99	21	32.8	G5	C7	12106	C -3316005
9	9.8	8.7W	15 4.530	-0.0027	21	-31 24 1.44	-0.103	21	0.42	4.577	22	32.8	+59.66	21	32.8	K2	C7	12107	C -3118730
10	9.5	9.0W	15 6.333	0.0071	23	-36 27 57.60	-0.020	23	0.37	6.232	15	35.8	57.32	21	35.8	F8	C8	11430	C -3615307
11	10.7	9.6W	15 9.569	-0.0047	21	-33 53 28.78	0.024	21	0.42	9.649	22	32.8	29.20	21	32.8	K0 L	C7	12108	C -3415503
12	9.7	8.9W	15 17.718	0.0011	13	-36 30 41.98	-0.005	13	0.26	17.702	15	35.8	41.92	21	35.8	G5	C8	11432	C -3615309
13		7.1T	15 21.421	0.0036	12	-36 50 47.59	-0.046	12	0.66	21.231	19	97.4	45.07	19	95.3	F0	GC	31188	C*-3714726
14	9.5	8.9W	15 23.771	0.0001	21	-34 49 4.24	-0.025	21	0.42	23.770	22	32.8	3.81	21	32.8	F0	C7	12110	C -3515244
15	9.8	9.2W	15 25.151	0.0042	13	-35 44 53.51	-0.063	13	0.26	25.091	15	35.8	52.62	21	35.8	G5	C8	11435	C -3615310
16	10.6	9.8W	15 25.684	-0.0045	21	-34 50 12.39	-0.005	21	0.42	25.760	22	32.8	12.31	21	32.8	K2 L	C7	12111	C -3515245
17	10.8		15 28.177	-0.0053	13	-35 34 13.13	0.006	13	0.26	28.252	15	35.8	13.22	21	35.8	F8	C8	11436	C -3515246
18	9.5	8.3W	15 41.070	-0.0029	21	-33 35 31.85	-0.021	21	0.42	41.119	22	32.8	31.49	21	32.8	K2	C7	12112	C -3316010
19	10.0	9.7W	15 44.293	-0.0002	21	-30 53 59.72	-0.020	21	0.42	44.297	22	32.8	+ 0.06	21	32.8	F2	C7	12113	C -3118734
20	8.2	8.1W	15 44.517	0.0030	06	-39 48 13.68	-0.047	06	0.20	44.474	15	35.8	13.02	21	35.8	F2	C8	11438	C -4014725
21	8.8	8.7W	15 47.442	0.0015	21	-30 55 17.12	0.026	21	0.42	47.417	22	32.8	17.56	21	32.8	A2	C7	12114	C -3118735
22	10.4	9.4W	15 49.580	0.0008	21	-30 51 17.08	0.034	21	0.42	49.567	22	32.8	17.66	21	32.8	K0 L	C7	12115	C -3118736
23	9.6	8.8W	15 50.966	0.0027	21	-33 54 5.58	0.001	21	0.42	50.919	22	32.8	5.60	21	32.8	K0	C7	12116	C -3415508
24	9.4	8.4W	15 54.434	0.0007	18	-38 41 4.40	0.001	18	0.31	54.423	15	35.8	4.42	21	35.8	K0	C8	11439	C -3914661
25	11.0	9.9W	15 54.967	0.0175	21	-30 0 7.80	-0.033	21	0.42	54.665	22	32.8	7.23	21	32.8	K2	C7	12117	C -3019094
26	9.9	8.9W	15 56.436	-0.0054	21	-32 59 5.72	-0.037	21	0.42	56.529	22	32.8	5.09	21	32.8	K0	C7	12118	C -3316013
27	10.0	8.8W	16 2.444	0.0001	13	-36 53 8.14	-0.030	13	0.26	2.442	15	35.8	7.72	21	35.8	K0	C8	11440	C -3714732
28	9.7	9.5W	16 3.523	-0.0020	21	-31 46 33.83	-0.056	21	0.42	3.557	22	32.8	32.87	21	32.8	F5	C7	12119	C -3217058
29	10.4	9.7W	16 5.947	-0.0087	21	-31 6 58.31	-0.055	21	0.42	6.097	22	32.8	57.36	21	32.8	G5	C7	12120	C -3118740
30	10.2	9.3W	16 13.012	0.0014	18	-37 36 19.70	0.008	18	0.31	12.992	15	35.8	19.82	21	35.8	G5	C8	11442	C -3714736
31	10.7	9.7W	16 16.698	-0.0028	21	-30 58 8.62	0.014	21	0.42	16.747	22	32.8	8.86	21	32.8	K0	C7	12121	C -3118742
32	11.2	9.9W	16 25.634	-0.0034	13	-35 47 4.81	-0.021	13	0.26	25.681	15	35.8	4.52	21	35.8	K5 L	C8	11444	C -3615315
33	10.1	9.2W	16 27.642	0.0020	21	-31 57 27.54	0.060	21	0.42	27.607	22	32.8	28.57	21	32.8	K0	C7	12122	C -3217014
34	10.8	9.8W	16 39.396	-0.0002	21	-32 55 6.57	-0.005	21	0.42	39.399	22	32.8	6.49	21	32.8	K0	C7	12123	C -3316018
35	10.5	9.6W	16 51.181	-0.0023	21	-34 0 8.44	-0.020	21	0.42	51.219	22	32.8	8.09	21	32.8	G5 L	C7	12124	C -3415518
36	9.9	8.6W	16 53.299	0.0011	21	-33 48 31.33	-0.021	21	0.42	53.279	22	32.8	31.69	21	32.8	K2	C7	12125	C -3415519
37	10.5	9.4W	16 55.301	0.0007	21	-32 30 55.05	-0.027	21	0.42	55.289	22	32.8	54.59	21	32.8	K2	C7	12126	C -3217020
38	10.4	9.3W	16 56.336	-0.0037	21	-32 42 7.79	0.000	21	0.42	56.399	22	32.8	7.79	21	32.8	K2	C7	12127	C -3316021
39	10.0	9.8W	17 1.197	-0.0004	18	-36 56 47.91	-0.014	18	0.31	1.202	15	35.8	47.72	21	35.8	G0	C8	11447	C -3714739
40	10.5	9.4W	17 3.482	0.0002	21	-33 18 3.49	-0.035	21	0.42	3.479	22	32.8	2.89	21	32.8	K2	C7	12128	C -3316022
41	8.8	7.8W	17 8.957	-0.0025	13	-39 0 59.03	-0.029	13	0.26	8.993	15	35.8	58.62	21	35.8	K0	C8	11449	C -3914673
42	10.1	9.7W	17 10.948	-0.0011	21	-32 13 15.85	-0.040	21	0.42	10.967	22	32.8	15.17	21	32.8	F8	C7	12129	C -3217023
43	8.2	8.1W	17 11.222	0.0007	21	-33 56 21.73	-0.014	21	0.42	11.209	22	32.8	21.49	21	32.8	F5	C7	12130	C -3415522
44		9.7T	17 19.920	0.0033	17	-32 10 44.75	-0.049	16	0.78	19.768	22	04.8	42.51	22	03.9	F5	GC	31220	C -3217024
45	10.9	10.5W	17 23.572	-0.0092	21	-34 8 39.58	-0.092	21	0.42	23.729	22	32.8	38.00	21	32.8	G2 L	C7	12132	C -3415525
46	9.9	9.5W	17 36.233	-0.0008	21	-30 30 10.47	0.011	21	0.42	36.247	22	32.8	10.66	21	32.8	G5	C7	12134	C -3019106
47	10.3	10.1W	17 37.862	-0.0020	21	-30 38 51.70	0.027	21	0.42	37.897	22	32.8	52.16	21	32.8	F0	C7	12135	C -3118758
48	10.9	10.2W	17 40.850	-0.0023	18	-38 11 22.67	-0.039	18	0.31	40.882	15	35.8	22.12	21	35.8	G5	C8	11451	C -3814995
49	9.7	8.7W	17 44.573	-0.0028	18	-36 47 27.09	-0.069	18	0.31	44.612	15	35.8	26.12	21	35.8	G5	C8	11452	C -3714747
50	10.5	10.0W	17 46.693	-0.0008	21	-31 1 32.69	0.045	21	0.42	46.707	22	32.8	33.46	21	32.8	G0 L	C7	12136	C -3118760
51		6.9T	22 17 51.312	-0.0056	13	-34 46 5.62	-0.029	11	0.64	51.584	18	01.0	4.13	18	98.6	G5	GC	31229	C*-3515264
52	9.6	9.5W	17 54.100	0.0006	13	-36 9 23.51	-0.021	13	0.26	54.092	15	35.8	23.22	21	35.8	F5	C8	11454	C -3615330
53	10.9	10.3W	18 2.836	0.0038	13	-35 57 4.32	-0.036	13	0.26	2.782	15	35.8	3.82	21	35.8	G0 L	C8	11455	C -3615332
54	11.4	10.3W	18 7.704	-0.0002	21	-32 4 1.54	-0.039	21	0.42	7.707	22	32.8	0.87	21	32.8	G5 L	C7	12138	C -3217032
55	9.7	9.4W	18 11.799	-0.0034	21	-32 22 18.22	-0.038	21	0.42	11.857	22	32.8	17.57	21	32.8	G0	C7	12139	C -3217034
56	9.2	9.3W	18 12.416	-0.0005	13	-36 35 33.04	-0.061	13	0.26	12.422	15	35.8	32.32	21	35.8	A5	C8	11456	C*-3615333
57	10.8	9.9W	18 14.039	-0.0022	13	-35 14 52.37	-0.004	13	0.26	14.071	15	35.8	52.32	21	35.8	K0	C8	11457	C -3515270
58	10.2	9.8W	18 14.794	-0.0019	21	-32 24 53.54	-0.074	21	0.42	14.827	22	32.8	52.27	21	32.8	F8	C7	12140	C -3217036
59	11.2	10.8W	18 16.592	-0.0032	21	-31 41 33.66	-0.040	21	0.42	16.647	22	32.8	32.97	21	32.8	G0 L	C7	12141	C -3217037
60	10.7		18 34.515	0.0024	18	-35 26 44.28	-0.040	18	0.31	34.480	15	35.8	43.72	21	35.8	F5 L	C8	11459	C -3515275
61	10.5	9.1W	18 37.630	0.0012	21	-32 56 5.83	-0.061	21	0.42	37.609	22	32.8	4.79	21	32.8	K5	C7	12142	C -3316031
62	8.6	8.5W	18 41.399	-0.0016	13	-36 11 20.63	0.006	13	0.26	41.421	15	35.8	20.72	21	35.8	F2	C8	11460	C -3615338
63	11.0	10.5W	18 54.393	-0.0002	21	-30 4 39.45	-0.007	21	0.42	54.395	22	32.8	39.33	21	32.8	G2 L	C7	12143	C -3019113
64	10.8	10.3W	19 2.065	-0.0030	21	-30 51 57.27	0.017	21	0.42	2.117	22	32.8	57.56	21	32.8	G0 L	C7	12144	C -3118768
65		7.4T	19 4.309	0.0002	12	-34 46 24.48	0.011	11	0.66	4.295	18	97.3	25.08	18	95.6	F2	GC	31256K	C*-3515279
66	10.9	9.2W	19 7.763	-0.0014	13	-37 54 30.43	-0.043	13	0.26	7.782	15	35.8	29.82	21	35.8	K0 L	C8	11464	C -3815007
67		7.3T	19 11.288	-0.0006	14	-34 44 31.67	0.016	14	0.74	11.315	19	99.7	32.46	21	00.4	F2	GC	31261	C -3515280
68	10.3	9.4W	19 20.415	0.0005	21	-31 22 52.75	-0.005	21	0.42	20.407	22	32.8	52.66	21	32.8	K0	C7	12148	C -3118770
69	10.0	9.0W	19 28.283	0.0021	18	-37 41 13.76	0.004	18	0.31	28.252	15	35.8	13.82	21	35.8	G5	C8	11465	C -3815012
70	10.7		19 42.663	0.0071	18	-37 57 51.42	-0.057	18	0.31	42.562	15	35.8	50.62	21	35.8	G0	C8	11466	C -3815013
71	9.2	8.3W	19 43.696	-0.0002	21	-33 8 59.86	-0.065	21	0.42	43.699	22	32.8	58.69	21	32.8	K0	C7	12149	C -3316040
72	10.7	9.2W	19 46.740	-0.0023	21	-33 48 37.29	0.000	21	0.42	46.779	22	32.8	37.29	21	32.8	K2	C7	12150	C -3415544
73	8.3	8.3W	19 48.684	-0.0006	13	-39 0 27.09	-0.048	13	0.26	48.693	15	35.8	26.42	21	35.8	F0	C8	11467	C -3914684
74	9.5	9.4W	19 54.088	-0.0007	21	-34 11 17.20	0.011	21	0.42	54.099	22	32.8	17.39	21	32.8	A0	C7	12151	C -3415545
75	10.8	10.0W	19 54.314	0.0004	21	-32 14 4.57	-0.064	21	0.42	54.307	22	32.8	3.47	21	32.8	G5	C7	12152	C -3217053
76	10.5	9.6W	19 56.601	-0.0003	21	-35 49 5.04	0.013	21	0.42	56.607	22	32.8	5.26	21	32.8	K0	C7	12154	C -3118777
77	9.4	8.3W	20 7.925	-0.0006	06	-39 9 32.41	-0.007	06	0.20	7.933	15	35.8	32.32	21	35.8	K0	C8	11469	C -3914686
78	10.0	9.7W	20 24.787	-0.0024	13	-35 2 38.11	0.000	13	0.26	24.821	15	35.8	38.12	21	35.8	G0	C8	11473	C -3515287
79	10.9	10.3W	20 25.311	-0.0027	21	-32 0 49.26	-0.075	21	0.42	25.357	22	32.8	47.97	21	32.8	F8	C7	12155	C -3217054
80	9.5	9.4W	20 28.546	0.0011	13	-35 12 28.01	-0.014	13	0.26	28.531	15	35.8	27.81	21	35.8	F0	C8	11474	C -3515288
81	9.6	9.1W	20 43.106	-0.0027	13	-38 49 57.41	-0.084	13	0.26	43.143	15	35.8	56.22	21	35.8	G0	C8	11478	C -3914690
82	10.1	9.8W	20 44.996	0.0030	09	-38 35 18.62	-0.036	09	0.22	44.953	15	35.8	18.11	21	35.8	G0	C8	11479	C -3815026
83	10.4	10.3W	20 52.251	-0.0028	13	-35 9 24.60	-0.020	13	0.26	52.291	15	35.8	24.32	21	35.8	F8	C8	11482	C -3515294
84	10.0	9.7W	20 52.613	-0.0033	21	-34 36 3.77	0.014	21	0.42	52.670	22	32.8	4.01	21	32.8	G0	C7	12157	C -3415554
85	9.4	8.4W	21 1.276	0.0003	13	-35 58 22.52	-0.043	13	0.26	1.272	15	35.8	21.92	21	35.8	G5	C8	11483	C -3615364
86		8.4T	21 11.294	0.0040	10	-31 43 56.04	-0.002	10	0.43	11.136	15	10.2	55.97	15	09.5	K2	GC	31298	C -3217056
87	10.4	9.9W	21 13.231	-0.0044	18	-36 52 25.12	-0.106	18	0.31	13.292	15	35.8	23.62	21	35.8	G0	C8	11484	C -3714762
88	10.8	10.4W	21 14.579	0.0013	21	-30 35 10.91	0.044	21	0.42	14.557	22	32.8	11.66	21	32.8	F5	C7	12159	C -3019133
89	8.6	8.4W	21 15.035	-0.0044	21	-33 58 37.27	-0.045	21	0.42	15.110	22	32.8	36.50	21	32.8	F5	C7	12160	C -3415559
90	10.0	9.7W	21 17.308	-0.0031	13	-35 38 39.78	-0.019	13	0.26	17.352	15	35.8	39.52	21	35.8	F8	C8	11485	C -3615368
91	10.6	10.1W	21 22.364	0.0009	13	-35 47 58.69	-0.097	13	0.26	22.351	15	35.8	57.32	21	35.8	G5	C8	11487	C -3615369
92	10.7	9.7W	21 26.722	0.0026	21	-32 29 17.69	-0.001	21	0.42	26.677	22	32.8	17.67	21	32.8	K0	C7	12161	C -3217060
93	10.4	9.9W	21 34.785	0.0016	21	-32 14 59.43	-0.027	21	0.42	34.757	22	32.8	58.97	21	32.8	F8	C7	12162	C -3217062
94	9.2	8.9W	21 39.746	-0.0009	21	-34 36 39.79	0.036	21	0.42	39.760	22	32.8	40.41	21	32.8	F5	C7	12163	C -3415564
95		6.9T	21 41.908	0.0108	13	-39 22 51.12	-0.003	12	0.68	40.467	19	99.8	50.95	19	97.8	A2P	GC	31314	C*-3914697
96	10.1	9.7W	21 41.943	-0.0072	21	-30 34 49.23	-0.085	21	0.42	41.167	22	32.8	47.76	21	32.8	G0	C7	12164	C -3019139
97	9.3	8.2W	21 45.022	0.0028	13	-38 27 51.03	0.034	13	0.26	44.982	15	35.8	51.52	21	35.8	K0	C8	11489	C -3815036
98	8.2	7.9W	21 47.076	-0.0014	21	-33 31 23.20	-0.076	21	0.42	47.100	22	32.8	21.89	21	32.8	G0	C7	12165	C -3316056
99	11.0	10.3W	21 49.636	-0.0014	21	-33 38 45.73	-0.066	21	0.42	49.659	22	32.8	44.60	21	32.8	G5 L	C7	12166	C -3415566
00	10.0	8.9W	21 52.261	-0.0007	13	-35 3 22.20	0.001	13	0.26	52.271	15	35.8	22.22	21	35.8	K0	C8	11491	C -3515303

213800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 22H DM NUMBER
1	9.9	9.4W	22 22 5.330	-0.0087	21	-34 34 33.70	-0.104	21	0.42	5.480	22	32.8	31.91	21	32.8	G5		C7	12167	C -3415567
2	9.9	9.5W	22 10.160	0.0002	21	-30 58 27.82	-0.050	21	0.42	10.157	22	32.8	26.96	21	32.8	F5		C7	12168	C -3118799
3		7.3T	22 11.274	0.0021	17	-38 4 59.09	-0.052	13	0.78	11.173	18	01.8	56.42	21	98.8	K0		GC	31325	C*-3815040
4	10.8	9.8W	22 12.492	0.0000	13	-35 31 14.47	-0.011	13	0.26	12.492	15	35.8	14.32	21	35.8	K2		C8	11495	C -3515306
5	10.0	10.0W	22 27.126	-0.0010	13	-35 8 9.08	-0.019	13	0.26	27.140	15	35.8	8.82	21	35.8	F2		C8	11497	C -3515311
6	9.3	8.6W	22 27.181	0.0012	13	-39 28 37.77	-0.032	13	0.26	27.163	15	35.8	37.32	21	35.8	G5		C8	11498	C -3914700
7	9.4	9.1W	22 30.828	0.0144	21	-33 52 50.05	-0.044	21	0.42	30.580	22	32.8	49.29	21	32.8	G0		C7	12170	C -3415575
8	10.5	9.1W	22 33.338	-0.0040	13	-39 44 37.61	-0.014	13	0.26	33.394	15	35.8	37.82	21	35.8	K0		C8	11499	C -4014774
9	11.0	10.2W	22 39.830	-0.0256	18	-37 22 52.19	-0.323	18	0.31	40.192	15	35.8	47.61	21	35.8	K2	L	C8	11500	C -3714774
10			22 46.207	-0.0046	18	-37 49 23.56	-0.003	18	0.31	46.272	15	35.8	23.52	21	35.8	M0		C8	11501X	C -3815044
11	9.2	8.4W	22 56.678	-0.0013	21	-33 37 34.64	0.009	21	0.42	56.699	22	32.8	34.79	21	32.8	K0		C7	12171	C -3415580
12	10.1	9.5W	23 1.182	-0.0034	21	-34 27 11.12	-0.019	21	0.42	1.240	22	32.8	10.79	21	32.8	G5		C7	12172	C -3415581
13	8.8	8.4W	23 1.882	-0.0021	08	-35 54 51.07	-0.110	08	0.22	1.911	15	35.8	49.52	21	35.8	G0		C8	11502	C -3615387
14	9.4	9.4W	23 17.469	0.0047	09	-37 31 0.35	-0.010	09	0.22	17.402	15	35.8	0.22	21	35.8	A3		C8	11504	C -3714780
15	10.7	9.2W	23 30.300	-0.0051	13	-39 16 39.44	-0.016	13	0.26	30.373	15	35.8	39.22	21	35.8	K2		C8	11505	C -3914706
16	10.9	9.8W	23 34.945	-0.0040	13	-36 27 16.03	0.013	13	0.26	35.001	15	35.8	16.22	21	35.8	K2		C8	11506	C -3615391
17	10.4	9.6W	23 44.595	-0.0019	21	-32 22 18.83	-0.050	21	0.42	44.627	22	32.8	17.97	21	32.8	G5		C7	12173	C -3217085
18	9.1	8.2W	24 5.202	-0.0014	13	-35 55 49.34	-0.037	13	0.26	5.222	15	35.8	48.81	21	35.8	K0		C8	11511	C -3615393
19	11.0	10.4W	24 5.631	-0.0015	21	-30 37 53.40	0.015	21	0.42	5.657	22	32.8	53.66	21	32.8	G5		C7	12174	C -3118806
20	11.1		24 6.216	0.0002	18	-37 26 36.67	-0.025	18	0.31	6.212	15	35.8	36.32	21	35.8	A0		C8	11512	C -3714788
21	10.7	10.2W	24 13.089	-0.0004	21	-30 54 17.89	0.016	21	0.42	13.097	22	32.8	18.16	21	32.8	G0		C7	12175	C -3118809
22	10.0	9.7W	24 14.530	0.0012	21	-32 48 30.19	-0.041	21	0.42	14.509	22	32.8	29.49	21	32.8	F2		C7	12176	C -3316076
23	10.4	10.0W	24 21.242	-0.0014	21	-30 4 6.29	-0.044	21	0.42	21.265	22	32.8	5.53	21	32.8	G0		C7	12177	C -3019161
24	10.7	9.1W	24 21.318	0.0032	07	-36 41 17.37	-0.025	07	0.21	21.272	15	35.8	17.02	21	35.8	K2		C8	11514	C -3714792
25	10.7		24 24.011	-0.0035	18	-34 51 36.14	0.005	18	0.31	24.061	15	35.8	36.21	21	35.8	A2		C8	11515	C -3515321
26	9.7	9.0W	24 26.524	-0.0004	21	-34 33 32.86	0.020	21	0.42	26.530	22	32.8	33.21	21	32.8	K0		C7	12178	C -3415589
27	9.7	9.5W	24 35.117	-0.0006	21	-32 2 15.89	-0.013	21	0.42	35.127	22	32.8	15.67	21	32.8	F0		C7	12179	C -3217092
28	10.0	9.3W	24 39.324	-0.0001	21	-30 29 11.53	-0.000	21	0.42	39.325	22	32.8	11.53	21	32.8	G5		C7	12180	C -3019165
29	9.5	8.4W	24 40.864	0.0039	21	-31 37 39.81	-0.061	21	0.42	40.797	22	32.8	38.77	21	32.8	K2		C7	12181	C -3217094
30		7.6T	24 41.046	0.0050	17	-31 48 34.08	-0.058	18	0.83	40.814	19	03.9	31.44	19	04.3	G5		GC	31363	C -3217093
31	10.0	9.7W	24 41.718	-0.0003	18	-38 25 33.15	-0.038	18	0.31	41.722	15	35.8	32.62	21	35.8	F5		C8	11517	C -3815055
32	10.4	9.3W	24 45.933	0.0020	21	-33 26 32.41	-0.019	21	0.42	45.899	22	32.8	32.09	21	32.8	K0		C7	12183	C -3316080
33	9.3	9.0W	24 47.561	0.0117	21	-33 45 0.71	0.028	21	0.42	47.359	22	32.8	1.20	21	32.8	F8		C7	12184	C -3415593
34	10.1	9.8W	24 48.739	0.0011	21	-33 44 14.07	0.007	21	0.42	48.720	22	32.8	14.19	21	32.8	F8	L	C7	12185	C -3415594
35	10.7	9.7W	24 51.934	-0.0033	13	-35 9 14.66	-0.010	13	0.26	51.980	15	35.8	14.52	21	35.8	K2		C8	11518	C -3515327
36	10.7		24 52.980	0.0006	13	-35 52 11.72	0.049	13	0.26	52.972	15	35.8	12.42	21	35.8	F8		C8	11519	C -3615396
37	10.5	10.1W	24 57.423	-0.0031	21	-31 23 20.41	0.015	21	0.42	57.477	22	32.8	20.66	21	32.8	F8		C7	12186	C -3118816
38	10.0	8.8W	24 58.244	-0.0027	13	-37 19 58.46	-0.003	13	0.26	58.282	15	35.8	58.42	21	35.8	K0		C8	11520	C -3714802
39	10.9	10.1W	25 0.122	-0.0043	21	-30 52 14.22	-0.021	21	0.42	0.197	22	32.8	13.86	21	32.8			C7	12187	C -3118817
40	10.6	9.9W	25 0.810	-0.0021	21	-30 51 28.52	-0.236	21	0.42	0.847	22	32.8	24.46	21	32.8	G0		C7	12188	C -3118818
41	10.3	9.5W	25 6.080	-0.0017	21	-32 31 30.93	0.003	21	0.42	6.109	22	32.8	30.99	21	32.8	G5		C7	12189	C -3217095
42	11.5		25 6.815	-0.0075	13	-35 39 51.02	0.035	13	0.26	6.922	15	35.8	51.52	21	35.8	K5	L	C8	11521	C -3615400
43		7.4T	25 17.826	0.0041	12	-39 20 40.87	-0.008	09	0.60	17.620	17	99.8	40.40	17	93.2	K5		GC	31376	C*-3914719
44	10.1	8.7W	25 19.351	0.0026	21	-31 19 57.65	-0.028	21	0.42	19.307	22	32.8	57.16	21	32.8	K0		C7	12190	C -3118819
45	10.3	9.2W	25 19.462	0.0013	21	-32 31 17.20	-0.024	21	0.42	19.439	22	32.8	16.79	21	32.8	K0		C7	12191	C -3217097
46	10.7		25 24.590	-0.0016	18	-37 49 0.23	0.006	18	0.31	24.612	15	35.8	0.32	21	35.8	G0	L	C8	11524	C -3815061
47	10.9	10.0W	25 30.287	-0.0032	13	-35 52 17.68	0.002	13	0.26	30.332	15	35.8	17.71	21	35.8	G5		C8	11525	C -3615404
48	10.0	9.6W	25 33.745	0.0016	13	-36 3 23.27	0.024	13	0.26	33.722	15	35.8	23.62	21	35.8	F5		C8	11526	C -3615405
49	10.1	9.7W	25 38.035	-0.0030	21	-31 28 37.48	-0.071	21	0.42	38.087	22	32.8	36.26	21	32.8	F8		C7	12192	C -3118824
50		5.5H	25 43.747	0.0031	03	-39 23 7.96	-0.164	03	0.12	43.638	06	15.0	2.33	05	15.7	K0		F4	845	C -3914723
51	7.9	7.7W	22 25 50.834	-0.0015	21	-34 1 37.07	0.019	21	0.42	50.859	22	32.8	37.39	21	32.8	F0		C7	12193	C -3415601
52	10.9	9.7W	25 54.667	0.0023	21	-31 45 42.83	-0.033	21	0.42	54.627	22	32.8	42.27	21	32.8	K2		C7	12194	C -3217100
53	9.8	9.5W	25 57.759	0.0013	21	-31 28 37.43	-0.039	21	0.42	57.737	22	32.8	36.76	21	32.8	F8		C7	12195	C -3118828
54	10.0	9.2W	26 2.580	-0.0041	21	-34 9 22.41	0.005	21	0.42	2.650	22	32.8	22.50	21	32.8	G5		C7	12196	C -3415604
55	10.0	9.1W	26 6.792	-0.0020	21	-30 54 31.38	-0.065	21	0.42	6.827	22	32.8	30.26	21	32.8	K0		C7	12197	C*-3118830
56	10.6	10.2W	26 11.226	-0.0047	21	-30 57 21.04	-0.103	21	0.42	11.307	22	32.8	19.26	21	32.8	F8		C7	12198	C -3118832
57		7.5T	26 13.647	0.0049	12	-37 13 34.82	0.004	12	0.63	13.396	15	98.6	35.03	17	96.7	K0		GC	31397	C*-3714810
58	10.1	9.6W	26 14.255	0.0185	07	-37 14 18.51	-0.063	07	0.21	13.992	15	35.8	17.61	21	35.8			C8	11533	C -3714809
59		7.8T	26 25.390	0.0165	13	-30 15 47.91	-0.805	14	0.71	24.555	15	99.5	7.50	17	99.8	K2		GC	31403	C*-3019175
60	10.6	9.6W	26 27.699	0.0001	21	-31 33 51.54	-0.051	21	0.42	27.697	22	32.8	50.67	21	32.8	K0		C7	12201	C -3118836
61	9.4	9.6W	26 28.278	0.0039	08	-36 36 42.32	-0.078	08	0.22	28.222	15	35.8	41.22	21	35.8	A0		C8	11535	C -3615412
62	8.6	7.6W	26 40.964	-0.0027	21	-34 6 26.31	0.028	21	0.42	41.010	22	32.8	26.79	21	32.8	K0		C7	12202	C -3415611
63	10.8	10.0W	26 40.988	-0.0065	09	-35 27 36.10	-0.048	09	0.22	41.080	15	35.8	35.42	21	35.8	G5		C8	11537	C -3515342
64	9.9	9.8W	26 41.661	0.0006	18	-38 47 56.11	-0.014	18	0.31	41.653	15	35.8	55.92	21	35.8	F0		C8	11538	C -3914727
65	10.3	9.1W	27 0.752	-0.0022	18	-36 43 3.75	-0.024	18	0.31	0.782	15	35.8	3.42	21	35.8	K0		C8	11541	C -3714814
66	10.1	9.5W	27 1.818	0.0088	21	-31 16 12.41	0.038	21	0.42	1.667	22	32.8	13.06	21	32.8	G0		C7	12203	C -3118838
67	10.2	9.1W	27 13.818	-0.0010	13	-36 19 56.83	-0.022	13	0.26	13.832	15	35.8	56.52	21	35.8	K0		C8	11542	C -3615422
68	8.6	8.4W	27 23.730	-0.0027	21	-30 41 44.25	-0.011	21	0.42	23.777	22	32.8	44.06	21	32.8	F0		C7	12204	C -3118846
69	10.1	9.1W	27 28.600	0.0006	13	-35 45 5.57	0.031	13	0.26	28.592	15	35.8	6.02	21	35.8	G5		C8	11543	C -3615424
70	10.4	9.6W	27 29.673	0.0043	13	-36 15 48.92	-0.043	13	0.26	29.612	15	35.8	48.32	21	35.8	G5		C8	11544	C -3615425
71	9.7	9.4W	27 30.432	-0.0043	18	-37 39 17.95	0.026	18	0.31	30.492	15	35.8	18.32	21	35.8	G0		C8	11545	C -3815079
72	10.8	9.6W	27 36.345	-0.0020	21	-34 47 37.97	-0.033	21	0.42	36.380	22	32.8	37.41	21	32.8	K2		C7	12205	C -3515350
73	9.7	8.9W	27 48.133	-0.0002	21	-30 23 16.50	-0.004	21	0.42	48.135	22	32.8	16.43	21	32.8	K0		C7	12206	C -3019188
74	11.1	10.0W	27 52.581	-0.0003	21	-30 27 44.19	-0.021	21	0.42	52.585	22	32.8	43.83	21	32.8	K5		C7	12207	C -3019189
75	10.0	10.0W	27 55.623	0.0039	21	-30 43 55.39	0.016	21	0.42	55.557	22	32.8	55.66	21	32.8	F0		C7	12208	C -3118850
76		8.6T	27 59.650	0.0006	16	-31 48 2.54	-0.014	16	0.75	59.625	18	04.2	1.92	18	04.6	K2		GC	31439	C -3217119
77	10.7	9.2W	28 9.297	-0.0019	18	-38 40 10.07	-0.011	18	0.31	9.323	15	35.8	9.91	21	35.8	K5		C8	11549	C -3914736
78	10.5	10.1W	28 9.301	0.0000	13	-35 17 42.24	-0.065	13	0.26	9.301	15	35.8	41.32	21	35.8	F8		C8	11548	C -3515354
79		7.3T	28 11.669	0.0050	12	-31 16 55.88	-0.039	10	0.57	11.419	14	00.4	53.87	15	99.1	A3		GC	31447	C -3118854
80	11.3	9.9W	28 22.509	-0.0022	13	-35 9 10.63	0.013	13	0.26	22.541	15	35.8	10.82	21	35.8	K5		C8	11550	C -3515358
81	10.5	10.3W	28 32.201	0.0031	21	-32 22 0.66	-0.017	21	0.42	32.147	22	32.8	0.37	21	32.8	A3		C7	12211	C -3217124
82	10.6	10.0W	28 34.716	0.0005	21	-32 6 20.47	-0.041	21	0.42	34.707	22	32.8	19.77	21	32.8	G5		C7	12212	C -3217125
83		4.4H	28 40.070	0.0053	02	-32 36 11.08	-0.012	02	0.08	39.857	04	10.1	10.64	04	12.2	A0		F4	1592	C -3217126
84		7.8Y	28 40.358	0.0040	21	-32 36 41.57	-0.022	21	0.42	40.289	22	32.8	41.19	21	32.8			C7	12214	C -3217127
85	9.8	8.9W	28 41.168	0.0004	21	-34 37 44.78	0.013	21	0.42	41.160	22	32.8	45.01	21	32.8	K0		C7	12215	C -3515361
86	9.5	9.2W	28 44.106	-0.0055	21	-34 6 17.20	0.023	21	0.42	44.199	22	32.8	17.59	21	32.8	F8		C7	12216	C -3415625
87		6.6T	28 53.228	0.0057	12	-35 32 52.95	-0.018	12	0.62	52.942	17	00.2	52.02	18	99.0	K0		GC	31467	C*-3515362
88	10.3	9.7W	29 10.542	-0.0022	18	-36 46 42.73	-0.022	18	0.31	10.572	15	35.8	42.42	21	35.8	G0		C8	11553	C -3714827
89	9.1	8.6W	29 17.531	0.0224	21	-31 25 45.13	-0.196	21	0.42	17.147	22	32.8	41.76	21	32.8	G5		C7	12217	C -3118861
90	10.7	10.1W	29 20.881	-0.0003	21	-30 4 31.65	-0.001	21	0.42	20.885	22	32.8	31.63	21	32.8	G5		C7	12218	C -3019195
91	10.9	10.0W	29 23.347	-0.0011	21	-30 8 20.62	0.024	21	0.42	23.365	22	32.8	21.03	21	32.8	G5		C7	12219	C -3019196
92	9.9	8.5W	29 23.709	0.0019	13	-36 10 41.69	0.023	13	0.26	23.681	15	35.8	42.02	21	35.8	K5		C8	11555	C -3615435
93		7.9T	29 32.570	-0.0014	20	-35 18 19.92	-0.030	20	0.93	32.635	21	04.1	18.54	22	04.1	K0		GC	31477	C -3515368
94	10.7	10.2W	29 41.088	-0.0052	21	-31 30 8.19	-0.030	21	0.42	41.177	22	32.8	7.67	21	32.8	G0		C7	12220	C -3118865
95	11.1	10.4W	29 54.074	-0.0054	21	-30 39 32.27	-0.006	21	0.42	54.167	22	32.8	32.16	21	32.8	G2	L	C7	12221	C -3118866
96	10.0	9.7W	29 56.820	0.0024	21	-32 33 6.72	-0.095	21	0.42	56.779	22	32.8	5.09	21	32.8	F8		C7	12222	C -3217136
97	11.0		30 2.261	0.0027	18	-37 9 42.16	-0.037	18	0.31	2.223	15	35.8	41.64	21	35.8	G2	L	C8	11560	C -3714828
98	10.5	10.2W	30 9.060	-0.0034	21	-33 5 14.64	-0.002	21	0.42	9.118	22	32.8	14.60	21	32.8	F8	L	C7	12223	C -3316116
99	10.0	9.4W	30 14.284	0.0015	18	-38 17 40.95	-0.057	18	0.31	14.262	15	35.8	40.14	21	35.8	G0		C8	11561	C -3815098
00	11.1	10.5W	30 18.242	-0.0038	21	-30 43 9.82	-0.038	21	0.42	18.306	22	32.8	9.17	21	32.8	G5	L	C7	12224	C -3118869

213900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8	9.4W	22 30 20.839	0.0039	08	-38 35 42.94	0.007	08	0.22	20.783	15	35.8	43.04	21	35.8	G0		C8	11562	C -3815099
2	9.4	8.9W	30 21.516	0.0086	06	-38 59 52.01	-0.040	06	0.20	21.393	15	35.8	51.44	21	35.8	G0		C8	11563	C -3914750
3		7.2T	30 25.529	-0.0003	13	-35 23 46.37	-0.005	12	0.63	25.541	15	01.3	46.10	17	00.3	K2		GC	31495	C*-3515380
4	10.6	9.5W	30 31.425	0.0011	21	-31 53 22.17	-0.104	21	0.42	31.407	22	32.8	20.39	21	32.8	K2		C7	12225	C -3217142
5	8.3	7.9W	30 37.673	0.0283	06	-35 42 3.44	-0.155	06	0.20	37.272	15	35.8	1.24	21	35.8	G0		C8	11567	C -3615445
6	10.7	9.8W	30 41.843	-0.0002	21	-30 35 31.64	-0.022	21	0.42	41.846	22	32.8	31.27	21	32.8	K0		C7	12228	C -3019206
7	11.3	10.6W	30 49.381	-0.0015	21	-30 57 10.42	0.032	21	0.42	49.406	22	32.8	10.97	21	32.8	G5	L	C7	12230	C -3118874
8	10.2	9.4W	30 51.905	-0.0009	21	-34 40 45.04	0.005	21	0.42	51.920	22	32.8	45.12	21	32.8	G5		C7	12231	C -3515386
9	8.5	7.9W	30 55.194	-0.0032	21	-34 8 2.68	0.037	21	0.42	55.249	22	32.8	3.31	21	32.8	G0		C7	12232	C -3415641
10	9.6	8.1W	30 55.206	0.0045	09	-38 23 52.76	-0.009	09	0.22	55.142	15	35.8	52.64	21	35.8	K5		C8	11568	C -3815106
11	11.1	10.4W	30 55.284	-0.0019	21	-30 52 49.39	-0.013	21	0.42	55.316	22	32.8	49.17	21	32.8	G5		C7	12233	C -3118875
12	10.1	9.7W	31 1.093	-0.0009	21	-33 42 36.66	0.009	21	0.42	1.109	22	32.8	36.81	21	32.8	F8		C7	12234	C -3415642
13	10.1	9.1W	31 1.811	0.0001	21	-34 1 2.29	-0.039	21	0.42	1.809	22	32.8	1.61	21	32.8	K0		C7	12235	C -3415643
14	10.6	10.2W	31 8.255	-0.0024	21	-31 52 57.48	-0.017	21	0.42	8.297	22	32.8	57.18	21	32.8	A3		C7	12236	C -3217146
15	9.8	8.9W	31 8.507	0.0017	21	-32 55 17.42	-0.030	21	0.42	8.478	22	32.8	16.90	21	32.8	K0		C7	12237	C -3316118
16	9.1	7.8W	31 10.246	-0.0004	06	-35 51 44.71	0.023	06	0.20	10.251	15	35.8	45.04	21	35.8	K2		C8	11570	C -3615450
17	10.5	9.3W	31 11.720	-0.0007	21	-33 7 10.56	-0.009	21	0.42	11.708	22	32.8	18.40	21	32.8	K0		C7	12238	C -3316119
18		6.6T	31 15.700	-0.0004	13	-32 24 0.72	0.008	12	0.66	15.718	17	00.7	1.12	18	98.5	B8		GC	31503	C*-3217147
19	8.9	8.1W	31 20.586	0.0094	08	-36 55 45.99	-0.025	08	0.22	20.453	15	35.8	45.64	21	35.8	K0		C8	11573	C -3714837
20	9.6	8.8W	31 24.003	-0.0027	21	-33 56 55.57	-0.038	21	0.42	24.049	22	32.8	54.91	21	32.8	G0		C7	12240	C -3415646
21	10.0	8.4W	31 24.128	0.0005	13	-35 5 47.96	-0.044	13	0.26	24.121	15	35.8	47.35	21	35.8	MA		C8	11574	C -3515390
22	9.0	8.0W	31 29.103	0.0009	13	-35 17 1.91	-0.005	13	0.26	29.091	15	35.8	1.84	21	35.8	G5		C8	11575	C -3515392
23	10.3	10.1W	31 31.084	0.0000	23	-38 36 15.31	0.009	23	0.37	31.083	15	35.8	15.44	21	35.8	F8		C8	11576	C -3815109
24		6.9T	31 36.141	-0.0022	13	-34 56 1.48	0.002	12	0.65	36.246	18	01.6	1.55	18	00.5	G5		GC	31511	C -3515393
25	9.7	9.5W	31 49.141	-0.0001	15	-37 41 42.12	0.008	15	0.28	49.142	15	35.8	42.24	21	35.8	F0		C8	11580	C -3815111
26	10.6	9.5W	32 5.226	-0.0005	13	-37 1 26.34	0.000	13	0.26	5.233	15	35.8	26.34	21	35.8	K0		C8	11581	C -3714839
27	10.2	9.2W	32 6.491	0.0020	21	-32 13 59.76	-0.051	21	0.42	6.457	22	32.8	58.88	21	32.8	K0		C7	12242	C -3217152
28	9.2	9.0W	32 7.698	0.0016	21	-34 38 35.95	0.010	21	0.42	7.670	22	32.8	36.12	21	32.8	G0		C7	12243	C -3515399
29	9.5	9.2W	32 10.416	-0.0013	21	-33 10 41.59	-0.005	21	0.42	10.438	22	32.8	41.50	21	32.8	F8		C7	12244	C -3316126
30	11.0	10.6W	32 29.010	0.0066	21	-30 53 8.87	-0.006	21	0.42	28.896	22	32.8	8.77	21	32.8	G0		C7	12245	C -3118865
31	9.4	8.9W	32 34.351	0.0232	09	-36 4 18.10	0.052	09	0.22	34.021	15	35.8	18.84	21	35.8	G0		C8	11583	C -3615459
32	9.6	8.7W	32 34.898	0.0031	13	-38 41 30.95	-0.029	13	0.26	34.853	15	35.8	30.54	21	35.8	K0		C8	11584	C -3914768
33		7.6T	32 41.472	-0.0007	16	-38 59 1.81	0.034	13	0.75	41.507	21	01.9	3.56	18	97.8	F2		GC	31531K	C -3914769
34	9.5	9.1W	32 42.003	-0.0137	21	-33 1 47.63	-0.089	21	0.42	42.238	22	32.8	46.10	21	32.8	G5		C7	12246	C -3316133
35	10.0	8.6W	32 45.051	-0.0010	13	-39 47 21.71	-0.033	13	0.26	45.064	15	35.8	21.24	21	35.8	K0		C8	11586	C -4014836
36	10.9	10.2W	32 52.365	0.0017	21	-31 54 24.98	-0.023	21	0.42	52.337	22	32.8	24.58	21	32.8	G5	L	C7	12247	C -3217156
37	10.6	9.4W	32 52.831	0.0006	18	-37 41 57.77	0.026	18	0.31	52.822	15	35.8	58.14	21	35.8	K5		C8	11588	C -3815125
38	10.1	9.2W	32 53.106	-0.0013	18	-38 31 6.72	0.001	18	0.31	53.123	15	35.8	6.74	21	35.8	K0		C8	11589	C -3815124
39	9.8	9.6W	32 53.717	0.0011	21	-32 42 6.07	0.008	21	0.42	53.698	22	32.8	6.20	21	32.8	F5		C7	12248	C -3316137
40	9.2	7.8W	32 59.523	0.0027	21	-30 35 42.89	0.028	21	0.42	59.476	22	32.8	43.37	21	32.8	MA		C7	12249	C -3019221
41	10.5	10.2W	33 10.284	-0.0006	18	-36 37 59.28	-0.017	18	0.31	10.293	15	35.8	59.05	21	35.8	F8		C8	11590	C -3714849
42	9.4	9.1W	33 11.998	-0.0024	13	-35 34 42.81	-0.026	13	0.26	12.031	15	35.8	42.45	21	35.8	G0		C8	11591	C -3515405
43	10.1	9.3W	33 14.588	0.0011	21	-33 48 45.70	-0.005	21	0.42	14.569	22	32.8	45.61	21	32.8	G5		C7	12250	C -3415660
44	11.0	10.0W	33 15.320	-0.0001	13	-35 50 36.42	-0.013	13	0.26	15.322	15	35.8	36.24	21	35.8	G5		C8	11592	C -3515465
45	9.8	9.5W	33 17.771	-0.0010	21	-33 8 51.24	-0.060	21	0.42	17.788	22	32.8	50.20	21	32.8	F5		C7	12251	C -3316140
46	9.9	9.0W	33 27.008	-0.0001	21	-34 48 39.52	0.006	21	0.42	27.010	22	32.8	39.62	21	32.8	G5		C7	12252	C -3515406
47	10.1	9.3W	33 28.528	0.0006	21	-33 5 30.80	-0.046	21	0.42	28.518	22	32.8	30.00	21	32.8	K0		C7	12253	C -3316142
48		5.7T	33 46.828	-0.0033	05	-31 55 22.52	-0.040	05	0.27	46.987	10	01.4	20.44	10	98.2	K0		GC	31555K	C -3217161
49	9.9	9.7W	33 49.203	-0.0034	13	-35 43 1.14	-0.014	13	0.26	49.252	15	35.8	0.94	21	35.8	A5		C8	11597	C -3615470
50		7.3T	33 50.432	-0.0020	10	-31 54 3.99	0.006	06	0.44	50.537	15	97.0	4.26	14	02.5	K0		GC	31557K	C -3217162
51	9.3	9.0W	22 33 51.524	0.0022	18	-38 15 28.72	-0.020	18	0.31	51.492	15	35.8	28.44	21	35.8	G0		C8	11598	C -3815134
52	9.8	8.9W	33 58.076	0.0010	13	-35 45 0.39	-0.032	13	0.26	58.062	15	35.8	59.94	21	35.8	K0		C8	11600	C -3615471
53	9.7	8.8W	34 0.145	-0.0040	13	-35 42 54.98	-0.059	13	0.26	0.201	15	35.8	54.15	21	35.8	G0		C8	11601	C -3615473
54	11.3		34 0.591	0.0035	13	-36 17 26.75	-0.050	13	0.26	0.542	15	35.8	26.04	21	35.8	G2	L	C8	11602	C -3615472
55	10.9	10.6W	34 4.707	-0.0028	21	-30 29 50.54	0.007	21	0.42	4.755	22	32.8	50.65	21	32.8	G5		C7	12256	C -3019230
56	9.8	9.4W	34 11.042	0.0040	13	-39 47 47.76	-0.100	13	0.26	10.984	15	35.8	46.34	21	35.8	F8		C8	11605	C -4014846
57	10.2	9.8W	34 18.724	-0.0049	21	-33 29 30.32	-0.071	21	0.42	18.808	22	32.8	29.10	21	32.8	G0		C7	12257	C -3316148
58	10.0	9.8W	34 23.602	-0.0075	21	-34 42 5.67	-0.026	21	0.42	23.730	22	32.8	5.22	21	32.8	G0		C7	12258	C -3515415
59	9.2	8.9W	34 25.846	0.0022	21	-32 46 5.94	-0.031	21	0.42	25.808	22	32.8	5.41	21	32.8	G0		C7	12259	C -3316149
60	10.9	10.2W	34 29.792	-0.0009	21	-32 40 55.44	-0.002	21	0.43	29.808	22	32.3	55.40	21	32.3	G5	L	C7	12260	C -3316150
61	9.9	8.2W	34 33.804	-0.0012	13	-35 12 2.05	-0.001	13	0.26	33.821	15	35.8	2.04	21	35.8	MA		C8	11608	C -3515416
62	9.4	9.3W	34 34.363	0.0066	21	-32 12 2.74	-0.009	21	0.43	34.247	22	32.3	2.59	21	32.3	F2		C7	12261	C -3217166
63	10.0	9.6W	34 40.066	0.0029	21	-30 13 28.52	-0.032	21	0.43	40.014	22	32.3	27.95	21	32.3	K2		C7	12262	C -3019235
64	9.7	9.5W	34 41.221	-0.0090	21	-34 37 3.06	-0.019	21	0.43	41.380	22	32.3	2.72	21	32.3	G0		C7	12263	C -3515417
65	10.1	9.1W	34 42.907	-0.0011	18	-36 46 7.04	0.007	18	0.31	42.922	15	35.8	7.14	21	35.8	K5		C8	11609	C -3714859
66	10.4	9.5W	34 47.839	-0.0027	21	-31 13 26.78	-0.029	21	0.43	47.886	22	32.3	26.27	21	32.3	K0		C7	12264	C -3118894
67	10.5	10.2W	34 54.075	-0.0047	13	-36 11 8.89	-0.046	13	0.26	54.141	15	35.8	8.24	21	35.8	F8		C8	11610	C -3615484
68	10.4	9.8W	35 8.044	0.0022	13	-37 22 26.76	-0.009	13	0.26	8.013	15	35.8	26.64	21	35.8	G5		C8	11612	C -3714863
69		7.5T	35 12.437	0.0047	12	-33 43 47.65	-0.029	12	0.66	12.196	17	99.2	46.19	19	97.2	A3		GC	31584K	C*-3415667
70	10.8		35 17.369	-0.0022	13	-35 12 25.86	0.055	13	0.26	17.401	15	35.8	26.64	21	35.8	F8	L	C8	11613	C -3515421
71	9.8	9.4W	35 19.379	-0.0012	21	-34 32 51.08	-0.071	21	0.43	19.399	22	32.3	49.82	21	32.3	G0		C7	12266	C -3415668
72	10.5	9.4W	35 26.300	0.0001	21	-32 55 13.05	-0.014	21	0.43	26.298	22	32.3	12.80	21	32.3	K0		C7	12267	C -3316155
73	10.4	10.1W	35 29.148	0.0025	18	-37 55 14.37	-0.002	18	0.31	29.112	15	35.8	14.34	21	35.8	F8		C8	11614	C -3815150
74		7.7T	35 34.518	0.0020	14	-34 58 2.88	-0.012	12	0.67	34.422	17	02.5	2.31	18	00.6	K0		GC	31591	C -3515425
75	10.7	9.1W	35 36.263	0.0028	10	-37 9 19.90	-0.011	10	0.23	36.223	15	35.8	19.74	21	35.8	MA		C8	11616	C -3714867
76	10.6	10.2W	35 38.345	-0.0008	13	-36 1 40.90	0.010	13	0.26	38.352	15	35.8	41.04	21	35.8	G5		C8	11617	C -3615494
77	9.3	8.9W	35 40.985	-0.0114	21	-32 28 37.74	-0.071	21	0.43	41.187	22	32.3	36.49	21	32.3	G5		C7	12268	C -3217174
78	10.3	9.4W	35 43.928	-0.0017	13	-35 53 48.16	-0.058	13	0.26	43.952	15	35.8	47.34	21	35.8	K0		C8	11618	C -3615495
79	10.3	9.6W	35 49.189	-0.0038	21	-31 58 3.58	-0.034	21	0.43	49.557	22	32.3	2.98	21	32.3	K0		C7	12269	C -3217175
80	10.2	9.6W	35 59.981	0.0071	21	-30 28 8.04	-0.186	21	0.43	59.855	22	32.3	4.75	21	32.3	G5		C7	12270	C -3019242
81		5.6T	36 2.291	0.0012	06	-33 20 31.67	0.022	06	0.26	2.240	06	00.4	32.58	07	07.9	A0		GC	31598	C -3316160
82		6.6T	36 3.179	-0.0004	15	-38 44 15.78	-0.019	13	0.74	3.200	22	01.5	14.83	21	98.7	K2		GC	31600	C*-3914784
83		7.0T	36 3.552	0.0014	13	-39 24 56.18	-0.010	12	0.67	3.483	17	99.2	55.62	18	97.0	K0		GC	31601	C -3914783
84	10.6	9.7W	36 5.450	-0.0022	13	-35 43 4.49	-0.004	13	0.26	5.482	15	35.8	4.44	21	35.8	K0		C8	11622	C -3515497
85	8.5	8.3W	36 11.624	-0.0098	09	-37 18 12.86	-0.023	09	0.22	11.763	15	35.8	12.54	21	35.8	F5		C8	11623	C -3714872
86	10.2	9.4W	36 12.377	0.0016	13	-39 27 44.32	-0.020	13	0.26	12.353	15	35.8	44.04	21	35.8	K0		C8	11624	C -3914785
87	9.7	9.4W	36 24.663	0.0122	21	-30 45 5.33	-0.043	21	0.43	24.446	22	32.3	4.57	21	32.3	G0		C7	12272	C -3118905
88	9.8	9.6W	36 30.451	-0.0009	21	-30 36 20.41	0.043	21	0.43	30.466	22	32.3	21.17	21	32.3	G0		C7	12273	C -3019244
89	10.9	10.4W	36 58.500	0.0040	21	-33 35 31.85	-0.104	21	0.43	58.429	22	32.3	30.01	21	32.3	G5	L	C7	12274	C -3316168
90	9.8	9.5W	37 1.871	-0.0021	21	-33 10 22.72	-0.097	21	0.43	1.908	22	32.3	21.00	21	32.3	G0		C7	12275	C -3316169
91	9.7	9.0W	37 3.379	0.0042	21	-30 1 35.30	-0.008	21	0.43	3.305	22	32.3	35.15	21	32.3	K0		C7	12276	C -3019246
92	10.0	9.8W	37 3.686	0.0005	21	-30 42 33.36	-0.028	21	0.43	3.676	22	32.3	32.87	21	32.3	G0		C7	12277	C -3118912
93	9.7	9.5W	37 5.956	-0.0033	21	-30 11 13.82	0.002	21	0.43	6.014	22	32.3	13.85	21	32.3	G0		C7	12278	C -3019247
94	10.5	9.8W	37 6.865	-0.0018	21	-30 50 50.60	-0.047	21	0.43	6.896	22	32.3	49.77	21	32.3	K0		C7	12279	C -3118913
95	8.2	6.9W	37 7.705	0.0024	13	-35 26 7.89	-0.011	13	0.26	7.761	15	35.8	7.74	21	35.8	K0		C8	11626	C -3515441
96	10.8	10.1W	37 10.336	0.0011	21	-32 21 30.28	0.006	21	0.43	10.317	22	32.3	30.39	21	32.3	G5	L	C7	12280	C -3217183
97	8.1	7.4W	37 19.509	0.0002	21	-30 12 26.20	-0.014	21	0.43	19.505	22	32.3	25.95	21	32.3	K0		C7	12281	C -3019248
98	10.3	10.1W	37 29.819	-0.0073	18	-37 36 43.49	0.032	18	0.31	29.922	15	35.8	43.94	21	35.8	F8		C8	11628	C -3714882
99	8.5	7.8W	37 33.696	0.0010	21	-32 53 58.87	0.019	21	0.43	33.678	22	32.3	59.20	21	32.3	G5		C7	12282	C -3316172
00		6.0T	37 35.180	-0.0080	06	-30 55 1.95	-0.205	06	0.31	35.567	12	01.7	51.56	12	99.3	K2		GC	31639	C -3118920

214000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-30° 22H DM NUMBER
1	10.5	9.7W	22 37 43.251	-0.0004	21	-32 33 36.33	0.010	21	0.43	43.258	22	32.3	36.50	21	32.3	G5		C7	12284	C -3217186
2	10.3	9.6W	37 45.634	-0.0078	13	-39 32 14.92	-0.076	13	0.26	45.744	15	35.8	13.85	21	35.8	G0		C8	11629	C -3914790
3	10.1	9.4W	37 50.212	0.0004	21	-30 28 13.62	-0.009	21	0.43	50.205	22	32.3	13.45	21	32.3	K0		C7	12285	C -3019254
4	9.3	9.0W	37 52.609	-0.0044	13	-35 43 46.49	-0.018	13	0.26	52.671	15	35.8	46.24	21	35.8	G0		C8	11631	C -3615505
5	9.2	8.8W	37 54.771	0.0041	21	-32 45 39.74	-0.064	21	0.43	54.698	22	32.3	38.60	21	32.3	G0		C7	12287	C -3316175
6	8.5	7.4W	38 5.626	0.0294	21	-32 15 6.31	0.038	21	0.43	5.107	22	32.3	6.99	21	32.3	K0		C7	12288	C -3217191
7	10.0	9.4W	38 6.271	-0.0080	13	-39 34 2.02	-0.175	13	0.26	6.384	15	35.8	-59.54	21	35.8	G0		C8	11632	C -3914794
8	10.5	9.5W	38 23.970	0.0026	18	-38 29 16.42	0.037	18	0.31	23.932	15	35.8	16.94	21	35.8	K2		C8	11633	C -3815171
9	10.6	9.8W	38 26.136	-0.0034	21	-31 9 1.40	-0.047	21	0.43	26.196	22	32.3	0.57	21	32.3	K0		C7	12289	C -3118927
10	9.4	8.8W	38 28.537	-0.0076	13	-39 36 36.37	-0.059	13	0.26	28.644	15	35.8	35.54	21	35.8	G5		C8	11634	C -3914796
11	10.8	10.1W	38 31.317	-0.0011	21	-32 3 43.60	-0.035	21	0.43	31.337	22	32.3	42.98	21	32.3	K0	L	C7	12290	C -3217197
12	8.7	8.8W	38 36.185	0.0005	21	-31 53 24.40	-0.012	21	0.43	36.177	22	32.3	24.19	21	32.3	A5		C7	12291	C -3217198
13	10.3	9.7W	38 44.917	0.0040	21	-31 47 40.24	-0.003	21	0.43	44.847	22	32.3	40.19	21	32.3	G0		C7	12292	C -3217200
14	11.0		38 47.659	-0.0023	18	-35 31 17.31	-0.026	18	0.31	47.692	15	35.8	16.94	21	35.8	G5	L	C8	11636	C -3515460
15	10.3	9.9W	38 51.317	-0.0041	21	-34 21 40.32	0.005	21	0.43	51.389	22	32.3	40.41	21	32.3	G0		C7	12293	C -3415693
16	9.4	9.0W	38 52.684	0.0049	06	-39 43 21.33	-0.091	06	0.20	52.614	15	35.8	20.04	21	35.8	G0		C8	11637	C -4014871
17	9.6	9.2W	38 58.286	-0.0005	18	-38 19 33.86	-0.044	18	0.31	58.292	15	35.8	33.24	21	35.8	G0		C8	11638	C -3815177
18	10.4	10.0W	39 0.790	0.0070	21	-31 49 55.44	-0.043	21	0.43	0.667	22	32.3	54.68	21	32.3	G2	L	C7	12294	C*-3217204
19	8.5	7.8W	39 7.256	-0.0011	21	-30 17 25.22	0.030	21	0.43	7.275	22	32.3	25.75	21	32.3	G5		C7	12295	C -3019263
20	9.9	9.1W	39 16.236	-0.0019	21	-33 50 10.53	0.016	21	0.43	16.269	22	32.3	10.81	21	32.3	K0		C7	12296	C -3415697
21	10.2	9.2W	39 17.023	0.0000	13	-38 20 45.71	-0.026	13	0.26	17.022	15	35.8	45.34	21	35.8	K0		C8	11639	C -3815180
22	8.5	8.0W	39 25.455	-0.0037	21	-34 32 20.15	0.072	21	0.43	25.520	22	32.3	21.42	21	32.3	G5		C7	12297	C -3415701
23	10.6	10.5W	39 26.769	-0.0073	21	-32 42 54.53	0.010	21	0.43	26.898	22	32.3	54.70	21	32.3	G0		C7	12298	C -3316189
24	10.6		39 33.017	-0.0024	13	-35 25 49.82	-0.006	13	0.26	33.051	15	35.8	49.74	21	35.8	F8	L	C8	11642	C -3515466
25	9.6	9.2W	39 34.172	0.0116	21	-30 56 50.59	-0.109	21	0.43	33.966	22	32.3	48.67	21	32.3	G5		C7	12299	C -3118932
26	9.0	8.8W	39 34.341	0.0033	13	-39 7 59.39	-0.018	13	0.26	34.293	15	35.8	59.15	21	35.8	F2		C8	11643	C -3914802
27		8.7T	39 37.853	-0.0032	17	-30 54 45.35	-0.023	26	0.96	37.996	17	05.5	44.35	17	06.5	G0		GC	31682	C -3118933
28	9.9	9.7W	39 38.232	-0.0014	21	-32 29 39.33	0.020	21	0.43	38.257	22	32.3	39.68	21	32.3	G0		C7	12301	C -3217209
29	10.4	10.2W	39 38.603	0.0002	21	-33 39 14.54	0.072	21	0.43	38.599	22	32.3	15.81	21	32.3	G0		C7	12302	C -3415703
30	10.7	10.2W	39 45.692	0.0014	21	-30 52 10.27	-0.057	21	0.43	45.666	22	32.3	9.27	21	32.3	G5		C7	12303	C -3118934
31	10.1	9.8W	39 51.090	0.0019	21	-31 43 20.16	-0.038	21	0.43	51.057	22	32.3	19.49	21	32.3	G0		C7	12304	C -3217210
32	9.7	9.2W	39 51.490	0.0062	09	-36 4 6.11	0.009	09	0.22	51.402	15	35.8	6.24	21	35.8	G0		C8	11645	C -3615516
33	9.6E	9.5Z	39 52.348	0.0008	12	-39 53 52.26	0.061	12	0.66	52.307	28	99.8	52.32	26	99.8	F5		CZ	20072	P -40 9725
34	9.1	8.9W	39 53.504	0.0023	13	-35 36 31.88	0.018	13	0.26	53.472	15	35.8	32.14	21	35.8	F0		C8	11646	C -3615518
35	8.8	8.0W	39 54.908	0.0018	09	-37 36 27.08	-0.052	09	0.22	54.882	15	35.8	26.34	21	35.8	K0		C8	11647	C -3714897
36	10.6	9.8W	39 55.370	-0.0002	18	-37 7 52.06	-0.009	18	0.31	55.372	15	35.8	51.94	21	35.8	G5		C8	11648	C -3714898
37	8.3	8.2W	40 4.940	-0.0009	21	-31 53 33.35	0.019	21	0.43	4.957	22	32.3	33.69	21	32.3	F8		C7	12305	C -3217211
38	9.6	8.6W	40 11.860	-0.0004	21	-30 32 39.86	-0.028	21	0.43	11.866	22	32.3	39.37	21	32.3	K0		C7	12306	C -3019270
39	9.0	7.9W	40 12.911	0.0076	09	-37 55 57.92	-0.013	09	0.22	12.802	15	35.8	57.74	21	35.8	K2		C8	11652	C -3815185
40	10.6	9.9W	40 13.297	-0.0007	21	-33 45 9.44	-0.041	21	0.43	13.309	22	32.3	8.71	21	32.3	K0		C7	12307	C -3415708
41	10.6	10.3W	40 23.612	-0.0077	13	-35 14 4.24	-0.021	13	0.26	23.721	15	35.8	3.94	21	35.8	G2	L	C8	11653	C -3515475
42	10.5	9.4W	40 23.620	0.0001	21	-33 1 8.46	0.020	21	0.43	23.618	22	32.3	8.81	21	32.3	K0		C7	12308	C -3316198
43	10.6	10.0W	40 27.472	-0.0008	21	-32 12 37.61	-0.007	21	0.43	27.487	22	32.3	37.48	21	32.3	G0		C7	12309	C -3217212
44	9.1	8.0W	40 36.384	0.0002	21	-34 45 4.17	0.043	21	0.43	36.379	22	32.3	4.92	21	32.3	K2		C7	12311	C -3515478
45	10.1	9.0W	40 36.546	0.0010	13	-36 13 56.88	-0.052	13	0.26	36.531	15	35.8	56.14	21	35.8	G5		C8	11654	C -3615524
46	9.9	8.7W	40 37.186	-0.0012	21	-30 44 54.05	0.001	21	0.43	37.206	22	32.3	54.07	21	32.3	MB		C7	12312	C -3118939
47	10.6	10.2W	40 57.306	0.0045	21	-30 58 31.35	0.001	21	0.43	57.226	22	32.3	31.37	21	32.3	K0		C7	12314	C -3118941
48	10.3	10.0W	41 11.310	-0.0032	21	-31 57 11.22	-0.047	21	0.43	11.367	22	32.3	10.39	21	32.3	G0		C7	12315	C -3217217
49	9.4	8.4W	41 12.386	-0.0024	21	-33 43 27.57	0.059	21	0.43	12.429	22	32.3	28.61	21	32.3	K0		C7	12316	C -3415713
50	11.4		41 12.513	-0.0056	23	-36 43 57.66	-0.093	23	0.37	12.593	15	35.8	56.34	21	35.8	G0	L	C8	11656	C -3714904
51	9.0	8.5W	22 41 33.665	0.0085	06	-38 49 6.19	-0.018	06	0.20	33.543	15	35.8	5.94	21	35.8	G5		C8	11658	C -3914809
52	11.3		41 40.077	0.0004	18	-35 48 40.42	-0.006	18	0.31	40.072	15	35.8	40.34	21	35.8	G5	L	C8	11659	C -3615530
53	9.0	8.8W	41 41.028	0.0012	21	-31 23 32.19	-0.024	21	0.43	41.006	22	32.3	31.77	21	32.3	G0		C7	12317	C -3118945
54	9.6	9.6W	41 59.066	0.0028	21	-30 30 47.81	0.026	21	0.43	59.016	22	32.3	48.27	21	32.3	G0		C7	12318	C -3019281
55	8.5	8.6W	42 29.731	0.0018	21	-33 37 19.29	0.007	21	0.43	29.699	22	32.3	19.41	21	32.3	A2		C7	12319	C -3415721
56	10.3	10.2W	42 44.629	-0.0016	18	-35 52 46.01	-0.026	18	0.31	44.652	15	35.8	45.64	21	35.8	F8		C8	11663	C -3615545
57	9.2	9.5W	42 45.610	-0.0049	21	-30 43 28.84	-0.010	21	0.43	45.696	22	32.3	28.67	21	32.3	A0		C7	12320	C -3118955
58	9.8	8.6W	42 45.983	0.0032	21	-32 22 11.12	-0.019	21	0.43	45.927	22	32.3	10.78	21	32.3	K2		C7	12321	C -3217229
59	9.7	9.6W	42 47.544	0.0029	18	-37 22 57.22	0.001	18	0.31	47.503	15	35.8	57.24	21	35.8	F2		C8	11664	C -3714918
60	9.3	9.1W	42 51.134	0.0050	18	-38 21 0.02	0.037	18	0.31	51.062	15	35.8	0.54	21	35.8	F2		C8	11665	C -3815197
61	11.1	10.1W	42 55.037	-0.0028	21	-32 2 27.97	0.012	21	0.43	55.087	22	32.3	28.19	21	32.3	K0	L	C7	12322	C -3217231
62	10.8	9.6W	42 59.531	-0.0029	13	-36 11 12.62	-0.006	13	0.26	59.572	15	35.8	12.54	21	35.8	K0		C8	11666	C -3615547
63	9.7	8.9W	43 9.101	0.0001	21	-34 4 29.05	0.026	21	0.43	9.099	22	32.3	29.51	21	32.3	K0		C7	12323	C -3415725
64	11.2		43 15.153	0.0044	18	-35 14 51.94	0.000	18	0.31	15.091	15	35.8	51.94	21	35.8	G5	L	C8	11668	C -3515497
65	11.1	10.6W	43 25.008	0.0075	21	-30 19 48.68	0.021	21	0.43	24.875	22	32.3	49.05	21	32.3	K0	L	C7	12324	C -3019290
66	9.2	8.0W	43 25.472	0.0036	21	-33 3 43.97	0.008	21	0.43	25.408	22	32.3	44.10	21	32.3	K0		C7	12325	C -3316214
67	9.7	9.6W	43 31.616	-0.0046	08	-35 14 57.62	-0.027	08	0.22	31.681	15	35.8	57.24	21	35.8	F2		C8	11669	C -3515500
68	9.8	9.1W	43 35.607	0.0032	13	-36 24 15.78	-0.017	13	0.26	35.561	15	35.8	15.54	21	35.8	G5		C8	11670	C -3615550
69	9.8	9.6W	43 40.826	-0.0012	21	-30 46 25.92	-0.014	21	0.43	40.846	22	32.3	25.67	21	32.3	F8		C7	12326	C -3118960
70	10.0	9.6W	43 41.662	0.0040	13	-39 44 35.68	-0.017	13	0.26	41.604	15	35.8	35.44	21	35.8	G8	L	C8	11671	C -4014901
71	10.4	10.2W	43 51.045	-0.0012	13	-36 11 43.18	0.011	13	0.26	51.062	15	35.8	43.34	21	35.8	F8		C8	11672	C -3615551
72	9.0	8.5W	44 0.651	-0.0003	21	-32 8 2.25	-0.168	21	0.43	0.657	22	32.3	-59.28	21	32.3	G0		C7	12327	C -3217234
73	10.3	9.5W	44 1.683	-0.0007	18	-37 46 14.54	-0.014	18	0.31	1.692	15	35.8	14.34	21	35.8	G5		C8	11674	C -3815208
74		6.8T	44 6.356	0.0031	11	-33 26 46.72	0.009	11	0.61	6.194	18	98.3	47.19	17	96.1	G5		GC	31775	C -3316217
75	10.7	9.5W	44 11.442	0.0002	21	-33 17 35.05	0.020	21	0.43	11.438	22	32.3	35.40	21	32.3	K5	L	C7	12329	C -3316218
76	10.4	10.2W	44 19.247	0.0001	21	-31 2 41.22	-0.014	21	0.43	19.246	22	32.3	40.97	21	32.3	F5		C7	12330	C -3118963
77	10.0	9.2W	44 19.266	-0.0004	13	-35 36 1.14	0.007	13	0.26	19.272	15	35.8	1.24	21	35.8	G5		C8	11677	C -3515506
78		7.4T	44 20.941	0.0217	13	-32 56 16.56	-0.071	13	0.70	19.846	19	99.6	12.87	19	98.2	G5		GC	31782	C -3316219
79	8.7	8.0W	44 24.495	0.0035	13	-39 43 12.92	-0.048	13	0.26	24.444	15	35.8	12.24	21	35.8	G5		C8	11678	C -4014905
80	10.6	10.2W	44 26.630	-0.0015	21	-31 30 15.54	-0.003	21	0.43	26.657	22	32.3	15.48	21	32.3	G5		C7	12332	C -3118966
81		6.4T	44 31.121	-0.0054	11	-34 25 33.09	0.052	11	0.61	31.422	15	94.9	35.91	15	95.3	K0		GC	31785	C -3415735
82	10.1	9.5W	44 39.314	0.0050	07	-37 43 36.03	-0.084	07	0.21	39.242	15	35.8	34.84	21	35.8	G0		C8	11680	C -3815214
83		7.2T	44 39.739	0.0003	15	-35 5 22.65	0.010	12	0.69	39.723	18	02.0	23.14	18	98.7	K0		GC	31789	C -3515509
84	10.9	10.7W	44 41.772	-0.0031	21	-31 19 34.75	-0.050	21	0.43	41.826	22	32.3	33.87	21	32.3			C7	12334	C -3118967
85	9.7	8.5W	44 43.812	-0.0035	06	-35 47 2.69	-0.004	06	0.20	43.862	15	35.8	2.64	21	35.8	G5		C8	11682	C -3615556
86	10.2	9.9W	44 56.572	0.0026	21	-31 34 25.29	-0.023	21	0.43	56.527	22	32.3	24.88	21	32.3	F8		C7	12335	C -3118968
87		6.7T	44 56.898	-0.0059	05	-38 29 6.73	-0.072	06	0.29	57.179	10	02.6	3.28	12	02.3	G0		GC	31798	C -3815217
88	10.7		44 58.581	-0.0127	13	-35 19 0.51	-0.012	13	0.26	58.761	15	35.8	0.34	21	35.8	G5	L	C8	11684	C -3515512
89	10.5	10.3W	45 1.019	-0.0009	21	-30 19 58.07	-0.001	21	0.43	1.035	22	32.3	58.05	21	32.3	F8	L	C7	12336	C -3019301
90	10.9	10.1W	45 3.254	-0.0027	13	-36 29 43.47	-0.002	13	0.26	3.292	15	35.8	43.45	21	35.8	K0		C8	11685	C -3615560
91	10.9	9.8W	45 5.732	0.0008	21	-33 18 2.75	0.009	21	0.43	5.718	22	32.3	2.90	21	32.3			C7	12337	C -3316226
92	10.3	10.0W	45 6.141	-0.0055	21	-33 2 58.21	0.056	21	0.43	6.238	22	32.3	59.20	21	32.3	F8	L	C7	12338	C -3316225
93		7.6T	45 16.288	0.0183	10	-38 1 15.61	0.007	09	0.43	15.559	15	10.1	15.88	14	08.7	G0		GC	31810	C -3815219
94	9.9	9.5W	45 18.766	0.0062	21	-32 7 1.51	0.055	21	0.43	18.657	22	32.3	2.48	21	32.3	G5		C7	12339	C -3217243
95	9.6	9.5W	45 19.107	0.0012	21	-32 2 40.48	0.017	21	0.43	19.087	22	32.3	40.78	21	32.3	G0		C7	12340	C -3217244
96	10.2	10.1W	45 27.927	-0.0032	23	-35 56 42.58	-0.031	23	0.37	27.882	15	35.8	42.14	21	35.8	G0	L	C8	11688	C -3615567
97	10.8	9.8W	45 38.898	-0.0033	21	-30 39 10.44	-0.049	21	0.43	38.956	22	32.3	9.57	21	32.3	K0		C7	12341	C -3118975
98	10.6	9.2W	45 44.218	0.0011	21	-34 26 5.75	0.009	21	0.43	44.199	22	32.3	5.91	21	32.3	K2		C7	12342	C -3415749
99		7.5T	45 52.527	-0.0019	13	-35 2 15.96	-0.002	12	0.65	52.618	15	01.0	15.88	18	98.4	A0		GC	31823	C*-3515519
00	10.5	9.7W	45 56.975	0.0044	18	-37 9 6.79	-0.229	18	0.31	56.913	15	35.8	3.54	21	35.8	K2		C8	11690	C -3714937

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	10.0	9.7W	22 46 2.226	0.0039	13	-35 23 26.69	-0.053	13	0.26	2.171	15	35.8	25.94	21	35.8	G0	C8	11691	C -3515529
2	10.0	9.5W	46 6.766	0.0009	21	-34 35 44.56	-0.049	21	0.43	6.749	22	32.3	45.42	21	32.3	G0	C7	12343	C -3415757
3	10.7	10.3W	46 11.733	-0.0002	21	-32 19 45.43	-0.025	21	0.43	11.737	22	32.3	44.99	21	32.3	G0 L	C7	12344	C -3217251
4	10.7	9.3W	46 12.335	-0.0039	21	-34 13 47.08	0.036	21	0.43	12.399	22	32.3	47.71	21	32.3	K2	C7	12345	C -3415758
5	10.1	9.9W	46 14.379	0.0001	21	-31 7 29.63	-0.043	21	0.43	14.376	22	32.3	28.87	21	32.3	F5	C7	12346	C -3118978
6	9.8	9.0W	46 18.257	-0.0010	21	-30 8 23.01	0.031	21	0.43	18.275	22	32.3	23.55	21	32.3	K0	C7	12347	C -3019308
7	9.1	8.8W	46 24.726	0.0016	21	-33 0 56.82	0.067	21	0.43	24.698	22	32.3	58.00	21	32.3	G5	C7	12348	C -3316236
8	7.7	8.1W	46 30.525	-0.0001	21	-31 28 6.22	-0.020	21	0.43	30.526	22	32.3	5.87	21	32.3	A0	C7	12349	C -3118982
9	10.0	9.5W	46 33.063	0.0026	21	-30 41 55.80	-0.047	21	0.43	33.016	22	32.3	54.97	21	32.3	G5	C7	12350	C -3118983
10	10.8	10.0W	46 33.079	-0.0038	21	-32 11 51.29	0.011	21	0.43	33.147	22	32.3	51.48	21	32.3	K2 L	C7	12351	C -3217255
11	9.5	8.6W	46 37.196	0.0040	21	-30 7 36.41	0.059	21	0.43	37.125	22	32.3	37.45	21	32.3	K0	C7	12352	C -3019311
12	7.5	7.8W	46 40.056	0.0018	06	-35 14 57.28	-0.003	06	0.20	40.031	15	35.8	57.24	21	35.8	B9	C8	11692	C -3515529
13	9.5	9.5W	46 41.449	0.0012	21	-32 49 28.08	-0.027	21	0.43	41.428	22	32.3	27.60	21	32.3	A0	C7	12353	C -3316240
14	10.1	9.2W	46 42.975	0.0014	21	-34 36 59.19	0.008	21	0.43	42.950	22	32.3	59.32	21	32.3	G5	C7	12354	C -3515530
15	10.5	9.6W	46 43.520	0.0068	13	-39 21 21.62	-0.069	13	0.26	43.423	15	35.8	20.84	21	35.8	K0	C8	11693	C -3914840
16	10.9	10.5W	46 47.566	-0.0034	21	-32 19 33.45	0.019	21	0.43	47.627	22	32.3	33.79	21	32.3	G0 L	C7	12355	C -3217257
17		8.4T	46 56.537	-0.0045	16	-38 6 58.34	-0.235	12	0.69	56.747	21	03.5	46.69	18	00.5	G0	GC	31835	C -3815232
18	10.7	10.3W	47 2.274	-0.0007	21	-31 59 6.82	-0.036	21	0.43	2.287	22	32.3	6.19	21	32.3		C7	12356	C -3217259
19		6.4T	47 12.213	-0.0040	10	-33 4 12.18	-0.013	08	0.52	12.421	17	97.5	11.43	17	94.4	A5	GC	31840K	C*-3316244
20		10.3W	47 17.358	-0.0067	21	-30 59 47.41	0.003	21	0.43	17.476	22	32.3	47.47	21	32.3	G2 L	C7	12358	C -3118986
21	10.6	10.7W	47 20.854	-0.0035	21	-32 23 9.69	-0.006	21	0.43	20.917	22	32.3	9.59	21	32.3	A0 L	C7	12359	C -3217263
22	10.4	10.4W	47 24.839	-0.0038	18	-36 51 41.48	-0.052	18	0.31	24.893	15	35.8	40.74	21	35.8	F0 L	C8	11695	C -3714950
23	9.5	8.9W	47 29.810	0.0019	13	-36 33 35.19	-0.018	13	0.26	29.783	15	35.8	34.94	21	35.8	G5	C8	11696	C -3615588
24	8.8	8.5W	47 31.217	0.0119	21	-32 5 40.51	-0.075	21	0.43	31.007	22	32.3	39.18	21	32.3	F8	C7	12360	C -3217265
25	9.1	8.7W	47 37.228	0.0068	06	-36 15 28.86	-0.086	06	0.20	37.132	15	35.8	27.65	21	35.8	G0	C8	11697	C -3615589
26	8.9	8.8W	47 39.133	0.0021	13	-37 42 57.85	-0.022	13	0.26	39.102	15	35.8	57.54	21	35.8	F2	C8	11698	C -3815235
27	10.3	9.5W	47 43.569	-0.0045	13	-38 9 29.16	-0.009	13	0.26	43.632	15	35.8	29.04	21	35.8	K2	C8	11699	C -3815236
28	9.1	9.3W	47 44.995	-0.0002	21	-32 41 33.20	-0.045	21	0.43	44.998	22	32.3	32.40	21	32.3	A0	C7	12361	C -3316249
29	10.5	9.7W	47 46.363	-0.0013	13	-35 39 52.68	-0.024	13	0.26	46.362	15	35.8	52.34	21	35.8	K0 L	C8	11700	C -3615591
30	10.4	10.0W	48 0.770	-0.0038	21	-31 28 53.17	-0.057	21	0.43	0.836	22	32.3	52.17	21	32.3	G0 L	C7	12362	C*-3118993
31	10.7		48 1.200	-0.0056	21	-33 36 43.81	-0.000	21	0.43	1.299	22	32.3	43.81	21	32.3	G5	C7	12363	C -3415773
32	10.2	9.4W	48 2.213	-0.0014	18	-37 48 51.57	-0.038	18	0.31	2.232	15	35.8	51.04	21	35.8	K2	C8	11701	C -3815239
33	9.6	8.8W	48 6.885	-0.0019	21	-32 45 13.05	0.020	21	0.43	6.918	22	32.3	13.40	21	32.3	K0	C7	12364	C -3316253
34		5.4H	48 11.793	0.0023	03	-39 25 19.90	-0.008	03	0.14	11.709	06	14.1	19.61	06	14.2	K2	F4	1599	C -3914848
35	11.2	10.4W	48 26.387	-0.0011	21	-31 54 57.47	0.001	21	0.43	26.407	22	32.3	57.48	21	32.3		C7	12365	C -3217273
36	9.8	9.0W	48 29.559	-0.0028	21	-33 14 4.00	-0.011	21	0.43	29.608	22	32.3	3.80	21	32.3	G5	C7	12366	C -3316256
37	10.7	10.2W	48 30.210	-0.0032	21	-31 49 31.14	-0.026	21	0.43	30.267	22	32.3	30.69	21	32.3		C7	12367	C -3217274
38	9.8	9.6W	48 39.608	0.0011	21	-33 6 44.81	-0.000	21	0.43	39.588	22	32.3	44.80	21	32.3	F5	C7	12368	C -3316257
39	10.2	10.0W	48 40.310	0.0008	21	-32 6 36.12	-0.013	21	0.43	40.297	22	32.3	35.89	21	32.3	F2 L	C7	12369	C -3217275
40	10.8	9.9W	48 41.566	0.0010	13	-35 49 41.51	-0.040	13	0.26	41.552	15	35.8	40.94	21	35.8	K0 L	C8	11705	C -3615599
41	9.6	8.6W	48 43.662	-0.0014	21	-32 13 35.15	0.019	21	0.43	43.687	22	32.3	35.49	21	32.3	K5	C7	12370	C -3217276
42	10.8	10.1W	48 45.181	-0.0009	18	-38 30 58.93	0.015	18	0.31	45.193	15	35.8	59.14	21	35.8	K0 L	C8	11707	C -3815244
43	11.3		48 46.072	-0.0084	13	-35 37 24.39	-0.081	13	0.26	46.191	15	35.8	23.24	21	35.8	G8 L	C8	11708	C -3615601
44		7.3T	48 57.027	0.0007	16	-36 9 14.26	0.007	13	0.73	56.993	19	02.8	14.63	18	00.5	A3	GC	31873K	C -3615602
45	10.0	9.7W	49 6.533	-0.0035	18	-37 27 28.25	0.020	18	0.31	6.582	15	35.8	28.54	21	35.8	G0	C8	11710	C -3714959
46		7.3T	49 19.044	0.0021	15	-39 13 2.94	0.024	12	0.72	18.943	21	01.4	4.17	18	97.6	K0	GC	31882	C -3914854
47	7.8	7.7W	49 23.056	0.0018	09	-34 53 59.34	-0.015	09	0.22	23.090	15	35.8	59.13	21	35.8	A2	C8	11712	C -3515546
48	9.5	9.6W	49 35.188	-0.0023	21	-34 27 6.53	-0.018	21	0.43	35.229	22	32.3	6.21	21	32.3	A5	C7	12372	C*-3415789
49		7.9T	49 35.777	0.0004	14	-39 3 58.51	0.005	12	0.69	35.759	18	00.7	58.75	19	96.5	K0	GC	31890	C*-3914858
50	10.5	9.9W	49 37.240	0.0035	21	-33 9 27.11	-0.034	21	0.43	37.178	22	32.3	26.50	21	32.3		C7	12373	C -3316268
51	10.3	10.0W	22 49 38.245	0.0034	21	-30 19 4.68	0.010	21	0.43	38.185	22	32.3	4.85	21	32.3	G0 L	C7	12374	C -3019330
52	9.7	8.3W	49 40.924	0.0010	21	-32 5 58.31	-0.058	21	0.43	40.907	22	32.3	57.28	21	32.3	MA	C7	12375	C -3217282
53		4.5T	49 45.065	-0.0024	04	-33 8 28.32	-0.021	04	0.17	45.166	06	07.2	27.37	06	05.3	A0	GC	31895K	C*-3316270
54	10.9	9.9W	49 47.847	-0.0035	21	-34 2 2.07	0.053	21	0.43	47.909	22	32.3	3.01	21	32.3		C7	12377	C -3415791
55	10.4	10.1W	49 59.916	-0.0006	21	-32 18 19.79	0.011	21	0.43	59.927	22	32.3	19.99	21	32.3	F8	C7	12378	C -3217285
56	9.3	9.1W	50 2.195	0.0034	21	-30 9 44.56	-0.057	21	0.43	2.134	22	32.3	43.55	21	32.3	A5	C7	12379	C -3019333
57	10.7	10.2W	50 8.652	-0.0032	21	-33 46 10.09	-0.055	21	0.43	8.709	22	32.3	9.11	21	32.3	G0 L	C7	12380	C -3415795
58	9.8	9.2W	50 9.505	-0.0005	07	-36 21 40.26	-0.023	07	0.21	9.511	15	35.8	39.94	21	35.8	G5	C8	11714	C -3615607
59	9.4	8.4W	50 11.312	0.0032	21	-30 29 22.79	-0.019	21	0.43	11.255	22	32.3	22.45	21	32.3	K2	C7	12381	C -3019336
60	10.2	9.4W	50 18.626	-0.0035	21	-32 42 34.45	-0.014	21	0.43	18.688	22	32.3	34.20	21	32.3	G5	C7	12382	C -3316273
61	9.7	9.7W	50 32.679	-0.0002	13	-36 5 17.12	-0.006	13	0.26	32.682	15	35.8	17.04	21	35.8	F0	C8	11716	C -3615609
62		7.3T	50 40.699	0.0057	12	-39 41 10.72	0.022	12	0.67	40.411	17	99.2	11.89	19	97.8	K0	GC	31912	C -4014944
63	10.0	9.5W	50 43.372	-0.0065	21	-31 9 37.56	-0.220	21	0.43	43.486	22	32.3	33.67	21	32.3	K0 L	C7	12383	C -3119009
64	10.2	9.7W	50 44.216	-0.0057	21	-32 27 39.33	-0.025	21	0.43	44.317	22	32.3	38.89	21	32.3	G0	C7	12384	C -3217291
65	11.0E	9.8*	50 44.925	0.0009	12	-39 55 8.23	-0.017	12	0.66	44.879	28	99.8	7.38	26	99.8		CZ	20173	P -40 9750
66	10.1	10.1W	50 47.477	0.0006	21	-31 56 42.97	-0.016	21	0.43	47.467	22	32.3	42.68	21	32.3	F8	C7	12385	C -3217292
67	10.0	9.3W	50 49.520	0.0019	21	-31 33 5.21	-0.030	21	0.43	49.487	22	32.3	4.69	21	32.3	G5 L	C7	12386	C -3119011
68	9.5	9.2W	50 53.275	0.0023	18	-37 51 29.79	-0.032	18	0.31	53.242	15	35.8	29.35	21	35.8	G0	C8	11718	C -3815262
69	9.9	9.2W	50 57.706	-0.0018	13	-36 15 12.22	-0.027	13	0.26	57.732	15	35.8	11.84	21	35.8	G5	C8	11720	C -3615611
70	10.9	9.9W	51 0.948	0.0011	21	-32 39 16.95	0.026	21	0.43	0.928	22	32.3	17.41	21	32.3	G5 L	C7	12387	C -3316278
71	10.5		51 6.683	0.0085	18	-37 25 39.80	0.038	18	0.31	6.563	15	35.8	40.34	21	35.8	G8 L	C8	11721	C -3714974
72	10.5	10.1W	51 8.856	0.0017	21	-32 11 2.56	0.007	21	0.43	8.827	22	32.3	2.69	21	32.3	G0 L	C7	12388	C -3217295
73	10.0	10.0W	51 22.685	-0.0027	13	-36 33 14.67	-0.038	13	0.26	22.723	15	35.8	14.14	21	35.8	F8	C8	11722	C -3615615
74	9.7	8.9W	51 22.797	0.0006	21	-31 10 45.35	0.001	21	0.43	22.786	22	32.3	45.37	21	32.3	G5	C7	12390	C -3119020
75	9.1	8.4W	51 26.521	-0.0025	21	-30 49 26.70	0.032	21	0.43	26.566	22	32.3	27.27	21	32.3	K0	C7	12391	C -3119021
76	9.8	9.0W	51 48.060	0.0000	21	-34 49 52.27	-0.025	21	0.43	48.059	22	32.3	51.82	21	32.3	G5	C7	12392	C -3515565
77	10.7	10.3W	51 50.991	0.0042	13	-35 36 21.99	-0.018	13	0.26	50.932	15	35.8	21.74	21	35.8	G5 L	C8	11723	C -3615617
78	10.8	10.6W	52 3.372	-0.0008	21	-31 52 36.52	-0.002	21	0.43	3.387	22	32.3	36.49	21	32.3	G L	C7	12393	C -3217301
79	10.5	10.1W	52 16.855	-0.0040	21	-31 36 15.24	-0.003	21	0.43	16.927	22	32.3	15.19	21	32.3	G0 L	C7	12394	C -3217302
80	9.8	9.3W	52 21.514	0.0049	21	-31 6 7.20	-0.002	21	0.43	21.426	22	32.3	7.17	21	32.3	G0	C7	12395	C -3119025
81	10.2	9.9W	52 21.996	-0.0002	18	-36 59 31.68	-0.010	18	0.31	22.112	15	35.8	31.54	21	35.8	G5	C8	11726	C -3714980
82		6.4T	52 26.838	0.0039	12	-36 39 20.11	0.003	11	0.58	26.648	18	01.1	20.24	17	98.9	K0	GC	31957	C -3714981
83	9.7	8.8W	52 33.876	0.0016	18	-38 18 21.81	-0.019	18	0.31	33.852	15	35.8	21.54	21	35.8	K0	C8	11728	C -3815273
84	10.6	9.9W	52 35.715	-0.0056	21	-34 14 25.05	-0.019	21	0.43	35.809	22	32.3	24.71	21	32.3	G2 L	C7	12397	C -3415817
85	10.2	9.5W	52 50.706	-0.0034	21	-32 1 42.80	-0.001	21	0.43	50.767	22	32.3	42.79	21	32.3	K0	C7	12398	C -3217309
86	10.9		52 57.525	-0.0025	18	-35 19 16.07	0.005	18	0.31	57.561	15	35.8	16.14	21	35.8	G5 L	C8	11730	C -3515575
87		6.1T	53 6.056	-0.0026	11	-31 54 0.59	-0.002	11	0.63	6.192	15	97.1	0.47	18	94.5	K0	GC	31972	C -3217312
88	10.0	9.7W	53 10.463	-0.0064	21	-32 11 11.59	-0.040	21	0.43	10.577	22	32.3	10.89	21	32.3	G	C7	12400	C -3217313
89		4.3T	53 11.009	0.0014	05	-32 48 26.29	0.035	05	0.25	10.946	09	06.0	27.93	09	02.7	K0	GC	31974K	C*-3316303
90	9.3	8.4W	53 13.421	0.0012	13	-38 55 53.31	-0.005	13	0.26	13.403	15	35.8	53.24	21	35.8	K0	C8	11732	C -3914878
91	10.4	10.0W	53 21.078	0.0035	21	-32 19 27.93	0.003	21	0.43	21.017	22	32.3	27.99	21	32.3	G2 L	C7	12402	C -3217317
92	8.9	7.6W	53 22.953	0.0021	09	-38 20 38.58	-0.003	09	0.22	22.922	15	35.8	38.54	21	35.8	K2	C8	11733	C -3815277
93	8.6	8.3W	53 24.158	0.0011	06	-36 56 48.13	-0.070	06	0.20	24.143	15	35.8	47.14	21	35.8	F5	C8	11734	C -3714992
94	9.2	8.9W	53 27.124	0.0031	21	-34 8 50.57	-0.026	21	0.43	27.069	22	32.3	50.11	21	32.3	F8	C7	12403	C -3415824
95	9.9	9.6W	53 28.715	-0.0001	21	-32 1 30.55	-0.032	21	0.43	28.717	22	32.3	29.98	21	32.3	G0	C7	12404	C -3217319
96	10.3	10.2W	53 35.438	0.0011	18	-38 1 42.52	-0.020	18	0.31	35.422	15	35.8	42.24	21	35.8	F2 L	C8	11735	C -3815278
97		6.5T	53 37.402	0.0256	11	-31 49 50.61	-0.158	10	0.55	36.087	15	98.7	42.30	15	97.5	K5	GC	31978	C*-3217321
98	10.0	9.2W	53 50.329	-0.0001	09	-35 3 15.54	0.021	09	0.22	50.331	15	35.8	15.85	21	35.8	K2	C8	11736	C -3515577
99	10.7	9.6W	53 54.881	0.0007	21	-33 20 23.95	-0.025	21	0.43	54.868	22	32.3	23.51	21	32.3	K5	C7	12406	C -3316310
00	10.7	9.5W	54 8.515	-0.0056	21	-33 42 25.01	0.040	21	0.43	8.609	22	32.3	25.71	21	32.3	K5	C7	12407	C -3415827

214200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-30° 22H DM NUMBER
1	9.2	8.3W	22 54 47.654	-0.0031	21	-34 10 59.75	0.032	21	0.43	47.709	22	32.3	0.31	21	32.3	K2		C7	12408	C -3415831
2	10.0	9.3W	54 50.895	0.0003	13	-34 57 4.46	-0.009	13	0.26	50.890	15	35.8	4.33	21	35.8	K0		C8	11738	C -3515581
3	10.0	9.9W	54 51.429	-0.0030	13	-36 1 39.79	-0.011	13	0.26	51.472	15	35.8	39.64	21	35.8	F5		C8	11739	C -3615644
4	9.9	9.5W	54 55.591	-0.0004	21	-33 28 15.37	0.008	21	0.43	55.598	22	32.3	15.50	21	32.3	G0		C7	12410	C -3316318
5	8.0	7.9W	54 59.937	-0.0012	21	-33 27 51.52	0.022	21	0.43	59.958	22	32.3	51.90	21	32.3	F2		C7	12411	C -3316319
6	9.6	9.5W	55 2.913	-0.0014	18	-36 48 50.88	-0.038	18	0.31	2.933	15	35.8	50.34	21	35.8	A3		C8	11740	C -3715004
7	9.8	9.1W	55 4.074	-0.0005	13	-35 15 58.28	0.011	13	0.26	4.081	15	35.8	58.44	21	35.8	K0		C8	11741	C -3515584
8		7.3T	55 5.043	0.0068	16	-38 12 10.27	-0.006	13	0.74	4.718	22	02.0	9.95	19	99.7	K0		GC	32005	C -3815288
9	10.1	9.8W	55 7.822	0.0021	21	-30 19 32.51	-0.003	21	0.43	7.785	22	32.3	32.45	21	32.3	G0	L	C7	12412	C -3019371
10	9.1	8.3W	55 25.175	0.0036	13	-39 22 45.44	-0.014	13	0.26	25.123	15	35.8	45.24	21	35.8	K0		C8	11744	C -3914892
11	9.6	9.2W	55 31.323	-0.0077	21	-33 51 55.99	-0.016	21	0.43	31.459	22	32.3	55.71	21	32.3	G0		C7	12413	C -3415840
12	10.0	8.8W	55 32.551	0.0024	21	-33 32 11.63	-0.001	21	0.43	32.509	22	32.3	11.61	21	32.3	K5		C7	12414	C -3316324
13	10.9		55 32.698	0.0010	18	-38 32 17.52	-0.027	18	0.31	32.683	15	35.8	17.15	21	35.8	G2	L	C8	11745	C -3815294
14	10.9	10.2W	55 33.822	0.0009	21	-31 46 30.62	-0.008	21	0.43	33.807	22	32.3	30.48	21	32.3	G2	L	C7	12415	C -3217332
15		6.3T	55 48.268	-0.0002	06	-35 47 22.96	-0.107	05	0.27	48.276	09	04.6	17.86	10	02.5	F8		GC	32016	C -3615650
16	9.3	9.0W	55 52.282	0.0058	21	-33 42 33.20	0.035	21	0.43	52.179	22	32.3	33.81	21	32.3	F8		C7	12416	C -3415843
17	9.9	9.2W	55 57.109	0.0041	21	-30 54 12.61	0.026	21	0.43	57.036	22	32.3	13.07	21	32.3	G5		C7	12417	C -3119060
18	9.8	9.5W	56 10.581	0.0008	21	-30 43 48.60	-0.019	21	0.43	10.566	22	32.3	48.27	21	32.3	G0		C7	12418	C -3119061
19	10.1	8.8W	56 16.444	-0.0006	18	-37 32 56.55	-0.008	18	0.31	16.452	15	35.8	56.44	21	35.8	K5		C8	11749	C -3715022
20	9.6	9.4W	56 36.571	-0.0043	21	-30 58 6.87	-0.017	21	0.43	36.646	22	32.3	6.57	21	32.3	G0		C7	12419	C -3119067
21	10.5	10.2W	56 46.266	0.0006	21	-30 25 26.22	-0.015	21	0.43	46.255	22	32.3	25.95	21	32.3	G2	L	C7	12420	C -3019381
22	10.8	10.3W	56 48.532	-0.0042	13	-36 12 43.14	0.000	13	0.26	48.592	15	35.8	43.14	21	35.8	G2	L	C8	11750	C -3615660
23	9.9	9.3W	56 48.866	0.0073	21	-31 13 5.61	0.071	21	0.43	48.736	22	32.3	6.87	21	32.3	G5		C7	12421	C -3119069
24	9.6	9.5W	56 57.845	-0.0012	21	-32 17 16.23	0.037	21	0.43	57.867	22	32.3	16.89	21	32.3	F2		C7	12422	C -3217342
25	9.5	8.0W	57 1.370	0.0019	21	-31 23 41.60	0.015	21	0.43	1.336	22	32.3	41.87	21	32.3	MA		C7	12423	C -3119072
26	9.9	9.7W	57 3.983	0.0021	21	-31 40 24.19	-0.040	21	0.43	3.947	22	32.3	23.49	21	32.3	G0		C7	12424	C -3217344
27	10.1	8.6W	57 5.045	0.0010	13	-35 18 32.55	0.013	13	0.26	5.031	15	35.8	32.74	21	35.8	MA		C8	11752	C -3515602
28	8.6	8.4W	57 10.289	-0.0055	21	-31 57 0.71	0.004	21	0.43	10.387	22	32.3	0.78	21	32.3	G0		C7	12425	C -3217345
29	10.0	10.0W	57 14.863	0.0016	13	-34 57 36.75	0.055	13	0.26	14.840	15	35.8	37.53	21	35.8	F8		C8	11753	C -3515604
30	10.2	9.3W	57 19.221	0.0019	13	-39 20 13.39	-0.032	13	0.26	19.193	15	35.8	12.95	21	35.8	K0	L	C8	11754	C -3914904
31	9.8	9.6W	57 23.773	0.0003	21	-33 23 41.59	0.086	21	0.43	23.768	22	32.3	43.10	21	32.3	F8		C7	12426	C -3316338
32	9.3	9.2W	57 28.838	-0.0022	21	-31 18 42.14	0.024	21	0.43	28.876	22	32.3	42.57	21	32.3	G0		C7	12427	C -3119075
33	9.3	8.7W	57 31.901	-0.0020	21	-31 22 45.86	0.006	21	0.43	31.936	22	32.3	45.97	21	32.3	G5		C7	12428	C -3119076
34	9.0	9.1W	57 33.287	-0.0005	13	-39 25 24.86	-0.065	13	0.26	33.293	15	35.8	23.94	21	35.8	F0		C8	11755	C -3914905
35	10.9	10.6W	57 33.877	0.0001	21	-31 13 10.78	-0.006	21	0.43	33.876	22	32.3	10.67	21	32.3	G5	L	C7	12429	C -3119077
36	9.5	9.7W	57 41.076	0.0018	13	-35 19 44.17	-0.016	13	0.26	41.051	15	35.8	43.94	21	35.8	A3		C8	11757	C -3515608
37	9.0	8.6W	57 42.167	-0.0035	21	-34 0 41.25	-0.132	21	0.43	42.229	22	32.3	38.91	21	32.3	G5		C7	12430	C -3415853
38	10.9		57 44.938	0.0039	18	-37 47 24.02	-0.027	18	0.31	44.882	15	35.8	23.64	21	35.8	F2	L	C8	11758	C -3815308
39	9.2	8.4W	57 47.694	0.0044	21	-31 51 38.68	0.000	21	0.43	47.617	22	32.3	38.69	21	32.3	K0		C7	12431	C -3217348
40	9.9	9.7W	57 48.071	-0.0044	21	-34 6 2.32	-0.034	21	0.43	48.149	22	32.3	1.71	21	32.3	G0		C7	12432	C -3413854
41	11.2	9.9W	57 53.563	0.0021	21	-32 9 37.49	-0.040	21	0.43	53.527	22	32.3	36.79	21	32.3	K5	L	C7	12433	C -3217352
42	8.6	8.9W	57 55.758	-0.0023	21	-32 49 37.76	-0.020	21	0.43	55.798	22	32.3	37.41	21	32.3	A2		C7	12434	C -3316346
43	10.1	8.5W	58 0.721	0.0007	13	-35 2 50.52	-0.020	13	0.26	0.711	15	35.8	50.25	21	35.8	MA		C8	11759	C -3515609
44	10.5	9.6W	58 1.918	0.0082	09	-35 44 16.76	0.027	09	0.22	1.802	15	35.8	17.14	21	35.8	K2		C8	11760	C -3615666
45	10.7	9.5W	58 3.470	-0.0022	21	-33 44 47.81	0.023	21	0.43	3.509	22	32.3	48.21	21	32.3	K5		C7	12435	C -3415857
46	10.7	10.3W	58 8.369	-0.0009	13	-36 17 36.11	-0.047	13	0.26	8.382	15	35.8	35.45	21	35.8	G5	L	C8	11761	C -3615668
47	8.2	8.1W	58 13.661	-0.0001	15	-37 37 40.53	0.022	15	0.28	13.662	15	35.8	40.84	21	35.8	A2		C8	11762	C -3815312
48	10.5	10.2W	58 13.866	-0.0068	21	-32 22 29.27	-0.016	21	0.43	13.987	22	32.3	28.99	21	32.3	G5		C7	12436	C -3217353
49	10.0	9.7W	58 18.851	-0.0072	06	-38 15 20.71	0.009	06	0.20	18.952	15	35.8	20.84	21	35.8	G0		C8	11763	C -3815313
50	10.6	9.7W	58 26.889	-0.0028	21	-34 6 43.03	-0.029	21	0.43	26.939	22	32.3	42.51	21	32.3	K2		C7	12437	C -3415858
51	9.3	8.1W	22 58 28.348	-0.0018	13	-39 6 45.15	0.006	13	0.26	28.373	15	35.8	45.24	21	35.8	K0		C8	11766	C -3914910
52	9.8	8.3W	58 29.400	0.0012	13	-37 54 59.49	-0.018	13	0.26	29.382	15	35.8	59.24	21	35.8	K5		C8	11767	C -3815316
53	9.6	9.3W	58 34.363	0.0171	06	-35 21 43.55	-0.149	06	0.20	34.121	15	35.8	41.44	21	35.8	G5		C8	11768	C -3515614
54	9.1	9.1W	58 51.700	-0.0031	21	-30 3 21.65	0.006	21	0.43	51.755	22	32.3	21.75	21	32.3	F5		C7	12438	C -3019394
55	10.0	9.5W	58 54.253	-0.0006	13	-36 20 42.02	0.001	13	0.26	54.262	15	35.8	42.05	21	35.8	G0		C8	11770	C -3615672
56	10.1	9.4W	58 54.941	-0.0030	18	-38 31 4.07	0.005	18	0.31	54.983	15	35.8	4.14	21	35.8	G5		C8	11771	C -3815318
57	11.3	10.5W	59 2.664	-0.0018	21	-32 12 21.86	0.035	21	0.43	2.697	22	32.3	22.49	21	32.3			C7	12439	C -3217360
58	10.2	9.8W	59 30.285	0.0015	21	-32 31 19.26	-0.037	21	0.43	30.258	22	32.3	18.61	21	32.3	F5		C7	12440	C -3217364
59	10.6	10.0W	59 33.168	-0.0037	13	-34 57 36.80	0.023	13	0.26	33.220	15	35.8	37.13	21	35.8	G5		C8	11772	C -3515621
60	10.3	9.2W	59 44.791	-0.0003	21	-32 11 34.00	-0.012	21	0.43	44.797	22	32.3	33.78	21	32.3	K5		C7	12441	C -3217365
61		6.5T	59 47.489	0.0025	12	-36 41 23.26	-0.031	11	0.59	47.369	18	01.5	21.70	17	00.1	K0		GC	32098K	C*-3715047
62	10.6	10.2W	59 53.981	-0.0071	21	-31 36 39.57	-0.033	21	0.43	54.107	22	32.3	38.99	21	32.3	G5		C7	12442	C -3217367
63	10.3	9.5W	23 0 6.676	-0.0062	21	-31 36 15.41	0.004	21	0.43	6.787	22	32.3	15.48	21	32.3	K0		C7	12443	C -3217368
64	9.3	9.1W	0 7.185	0.0014	21	-34 38 5.49	-0.015	21	0.43	7.159	22	32.3	5.22	21	32.3	F8		C7	12444	C -3515627
65	9.0	8.2W	0 8.518	0.0011	06	-36 45 7.31	-0.005	06	0.20	8.503	15	35.8	7.25	21	35.8	K0		C8	11774	C -3715049
66	9.8	9.1W	0 10.526	0.0012	21	-30 7 19.67	0.016	21	0.43	10.505	22	32.3	19.95	21	32.3	K0		C7	12445	C -3019405
67	9.1	8.1W	0 14.048	-0.0046	09	-37 22 0.87	-0.038	09	0.22	14.113	15	35.8	0.34	21	35.8	K2		C8	11775	C -3715051
68	10.7	10.2W	0 15.577	0.0004	18	-35 45 41.31	0.002	18	0.31	15.572	15	35.8	41.35	21	35.8	G8	L	C8	11776	C -3515681
69	9.1	8.9W	0 21.713	0.0042	21	-33 46 10.55	-0.002	21	0.43	21.639	22	32.3	10.51	21	32.3	F5		C7	12446	C -3415873
70	8.0	8.0W	0 26.830	-0.0015	21	-31 24 44.99	-0.007	21	0.43	26.856	22	32.3	44.87	21	32.3	F0		C7	12447	C -3119086
71	9.6	9.5W	0 30.339	0.0006	21	-32 52 9.94	-0.008	21	0.43	30.328	22	32.3	9.80	21	32.3	F5		C7	12448	C -3316363
72	10.6	10.4W	0 38.672	0.0105	21	-32 8 0.43	-0.059	21	0.43	38.487	22	32.3	-59.39	21	32.3	G5	L	C7	12449	C -3217372
73		7.2T	0 42.793	0.0002	17	-38 42 10.78	0.012	13	0.77	42.785	18	02.2	11.42	21	99.1	K5		GC	32121	C -3914921
74	11.3	10.3W	0 44.075	-0.0012	21	-31 31 59.38	0.006	21	0.43	44.097	22	32.3	59.49	21	32.3			C7	12450	C -3119088
75		5.1H	0 44.085	0.0058	03	-35 1 12.70	0.085	03	0.12	43.890	06	16.5	15.48	06	17.5	F0		F4	1601	C -3515630
76	10.0	8.9W	0 47.631	-0.0001	18	-37 0 39.25	-0.022	18	0.31	47.633	15	35.8	38.94	21	35.8	K2		C8	11779	C -3715056
77	11.3		0 48.623	0.0043	13	-36 21 10.95	-0.036	13	0.26	48.561	15	35.8	10.45	21	35.8			C8	11780	C -3615684
78		6.9T	1 0.449	0.0030	12	-30 42 53.01	0.027	12	0.65	0.294	15	98.1	54.49	17	95.3	G5		GC	32125	C*-3119089
79	9.2	8.1W	1 7.515	0.0022	21	-32 22 47.40	-0.029	21	0.43	7.477	22	32.3	46.89	21	32.3	K5		C7	12452	C -3217375
80	9.7	9.4W	1 8.525	-0.0032	08	-34 55 19.81	-0.097	08	0.22	8.570	15	35.8	18.43	21	35.8	G5		C8	11781	C -3515633
81	10.2	9.9W	1 12.933	0.0026	21	-31 25 15.90	0.083	21	0.43	12.886	22	32.3	17.37	21	32.3	G5		C7	12453	C -3119093
82	11.1		1 17.554	-0.0020	23	-37 47 57.79	-0.060	23	0.37	17.582	15	35.8	56.94	21	35.8	G5	L	C8	11783	C -3815333
83	9.9	9.6W	1 20.965	-0.0087	21	-34 22 1.74	-0.064	21	0.43	21.119	22	32.3	0.61	21	32.3	G0		C7	12454	C -3415880
84	9.5	8.8W	1 24.447	-0.0045	21	-30 42 14.03	-0.049	21	0.43	24.526	22	32.3	13.17	21	32.3	K0		C7	12455	C -3119095
85	9.6	9.5W	1 27.339	0.0000	21	-34 4 18.22	-0.006	21	0.43	27.339	22	32.3	18.11	21	32.3	A5		C7	12456	C -3415882
86	8.9	8.0W	1 31.281	0.0081	21	-33 18 40.42	0.016	21	0.43	31.138	22	32.3	40.70	21	32.3	K2		C7	12457	C -3316370
87	10.5	9.7W	1 35.671	-0.0011	21	-34 41 2.58	-0.037	21	0.43	35.690	22	32.3	1.92	21	32.3	K0		C7	12458	C -3515639
88	9.8	8.7W	1 36.947	0.0023	21	-30 33 21.12	0.014	21	0.43	36.906	22	32.3	21.37	21	32.3	K5		C7	12459	C -3019416
89	9.3	8.5W	1 46.317	0.0054	13	-35 3 29.78	-0.045	13	0.26	46.241	15	35.8	29.14	21	35.8	K0		C8	11785	C -3515641
90	8.1	7.9W	1 55.431	0.0047	21	-33 5 18.90	-0.073	21	0.43	55.348	22	32.3	17.60	21	32.3	F5		C7	12460	C -3316374
91	10.3	10.1W	1 55.851	-0.0021	18	-35 23 59.60	0.003	18	0.31	55.881	15	35.8	59.65	21	35.8	G0		C8	11786	C -3515643
92	9.8	9.5W	2 3.006	0.0052	13	-35 55 47.78	0.011	13	0.26	2.932	15	35.8	47.95	21	35.8	G5		C8	11787	C -3615692
93	10.2	10.0W	2 14.243	-0.0025	21	-31 19 53.78	-0.006	21	0.43	14.286	22	32.3	53.67	21	32.3	F8		C7	12461	C -3119100
94	10.3	9.3W	2 14.707	-0.0011	13	-37 10 31.75	-0.001	13	0.26	14.723	15	35.8	31.74	21	35.8	K0		C8	11788	C -3715070
95	9.4	9.2W	2 23.661	0.0076	09	-38 22 3.68	-0.003	09	0.22	23.552	15	35.8	3.65	21	35.8	F8		C8	11789	C -3815341
96	10.1	8.8W	2 24.781	-0.0002	13	-39 9 44.19	-0.004	13	0.26	24.783	15	35.8	44.14	21	35.8	K5		C8	11790	C -3914927
97	10.8	10.1W	2 28.046	-0.0018	21	-32 42 9.05	0.003	21	0.43	28.078	22	32.3	9.10	21	32.3	G5	L	C7	12462	C -3316377
98	9.3	9.3W	2 30.480	-0.0009	18	-37 12 55.95	-0.057	18	0.31	30.493	15	35.8	55.14	21	35.8	F5		C8	11791	C -3715073
99	9.5	8.7W	2 30.955	0.0043	13	-39 11 23.97	-0.059	13	0.26	30.893	15	35.8	23.15	21	35.8	G5		C8	11793	C -3914928
00	10.6	10.2W	2 38.004	0.0016	13	-35 52 59.27	0.026	13	0.26	37.981	15	35.8	59.64	21	35.8	F5	L	C8	11794	C -3615705

214300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.4T	Z3 2 38.673	0.5594	10	-36 8 30.06	1.310	10	0.56	8.797	12	96.6	+39.92	14	96.7	MOP	GC	32159	C*-3615693
2	9.6	8.0W	2 44.731	0.0008	21	-31 4 53.41	-0.014	21	0.43	44.716	22	32.3	53.17	21	32.3	K5	C7	12463	C -3119104
3	9.5	9.3W	2 50.098	-0.0051	21	-32 54 44.36	-0.020	21	0.43	50.188	22	32.3	44.00	21	32.3	F8	C7	12464	C -3316382
4	10.8	10.4W	3 0.776	0.0022	21	-31 28 37.17	-0.051	21	0.43	0.736	22	32.3	36.27	21	32.3	G0 L	C7	12465	C -3119108
5	9.6	9.0W	3 2.607	0.0005	21	-33 19 4.88	-0.004	21	0.43	2.598	22	32.3	4.80	21	32.3	G5	C7	12466	C -3316385
6		8.0T	3 9.913	0.0080	13	-39 41 21.55	-0.046	12	0.67	9.515	18	00.0	19.14	19	97.0	K0	GC	32174	C*-4015022
7	11.3	9.9W	3 18.479	-0.0027	21	-30 58 38.31	-0.008	21	0.43	18.526	22	32.3	38.17	21	32.3		C7	12467	C -3119111
8	10.0	9.9W	3 19.576	-0.0023	21	-30 37 28.59	-0.001	21	0.43	19.616	22	32.3	28.57	21	32.3	G0	C7	12468	C -3119112
9	11.2		3 30.998	-0.0052	18	-36 7 0.02	-0.027	18	0.31	31.072	15	35.8	+59.64	21	35.8		C8	11797	C -3615708
10	9.9	10.1W	3 49.356	-0.0004	18	-35 31 20.52	-0.034	18	0.31	49.362	15	35.8	20.04	21	35.8	A0	C8	11798	C -3515659
11	9.1	8.3W	3 56.690	-0.0020	21	-30 53 5.12	-0.071	21	0.43	56.726	22	32.3	3.87	21	32.3	K0	C7	12469	C -3119118
12	8.8	8.8W	4 1.534	0.0014	13	-39 3 53.26	-0.037	13	0.26	1.513	15	35.8	52.74	21	35.8	F0	C8	11799	C -3914935
13		5.6T	4 6.933	0.0033	06	-39 9 46.52	0.017	05	0.28	6.790	10	06.2	47.29	10	03.6	A0	GC	32186K	C*-3914936
14		6.6T	4 14.788	0.0022	11	-30 19 5.26	0.041	12	0.64	14.673	15	97.9	7.47	18	96.7	F2	GC	32188	C -3019434
15	9.2	9.3W	4 16.225	0.0016	21	-30 41 59.42	0.025	21	0.43	16.196	22	32.3	59.87	21	32.3	F0	C7	12471	C -3119120
16	10.2	9.6W	4 18.352	-0.0020	13	-35 16 25.31	0.044	13	0.26	18.381	15	35.8	25.94	21	35.8	K0	C8	11801	C -3515662
17	10.2	9.9W	4 19.518	-0.0046	13	-36 33 30.91	0.023	13	0.26	19.583	15	35.8	31.24	21	35.8	F8	C8	11802	C -3615713
18	11.0	10.3W	4 22.397	0.0023	21	-31 5 39.42	-0.071	21	0.43	22.356	22	32.3	38.17	21	32.3		C7	12472	C -3119121
19	10.2	9.4W	4 32.244	0.0008	18	-38 22 40.13	-0.035	18	0.31	32.232	15	35.8	39.64	21	35.8	K0	C8	11803	C -3815358
20	9.1	7.9W	4 33.128	0.0005	06	-35 8 11.13	0.036	06	0.20	33.121	15	35.8	11.64	21	35.8	K2	C8	11804	C -3515664
21	8.8	8.6W	4 36.611	-0.0100	21	-32 31 48.98	-0.055	21	0.43	36.788	22	32.3	48.00	21	32.3	G0	C7	12473	C -3217393
22	10.3	9.7W	4 37.281	0.0154	09	-36 33 24.96	-0.142	09	0.22	37.063	15	35.8	22.95	21	35.8	G0	C8	11805	C -3615717
23	7.5	7.7W	4 41.129	-0.0034	21	-34 28 51.08	0.002	21	0.43	41.189	22	32.3	51.11	21	32.3	A5	C7	12474	C -3415902
24	11.1		4 45.452	-0.0110	21	-31 35 11.86	0.007	21	0.43	45.647	22	32.3	11.99	21	32.3		C7	12475	C -3119124
25	8.3	8.7W	4 45.952	-0.0008	21	-32 4 24.23	0.009	21	0.43	45.967	22	32.3	24.39	21	32.3	A0	C7	12476	C -3217395
26	9.7	8.1W	4 50.138	-0.0045	13	-36 20 32.90	0.003	13	0.26	50.202	15	35.8	32.94	21	35.8	MA	C8	11807	C -3615718
27	8.8	8.6W	4 57.675	-0.0055	10	-36 45 8.51	-0.005	10	0.23	57.753	15	35.8	8.44	21	35.8	F5	C8	11809	C -3715091
28	10.5	9.2W	4 59.293	0.0015	21	-30 50 37.87	0.017	21	0.43	59.266	22	32.3	38.17	21	32.3	K5	C7	12477	C -3119125
29	10.3	9.4W	4 59.797	-0.0011	21	-31 14 48.80	-0.002	21	0.43	59.816	22	32.3	48.77	21	32.3	K0	C7	12478	C -3119126
30	9.2	8.9W	4 59.880	-0.0015	21	-30 30 13.93	-0.032	21	0.43	59.906	22	32.3	13.37	21	32.3	F8	C7	12479	C -3019438
31	9.5	8.7W	5 5.094	-0.0006	18	-37 37 6.95	-0.015	18	0.31	5.102	15	35.8	6.74	21	35.8	K0	C8	11810	C -3815364
32	10.7	10.5W	5 6.208	0.0058	21	-30 38 0.84	-0.010	21	0.43	6.106	22	32.3	0.67	21	32.3		C7	12480	C -3119128
33	9.8	9.5W	5 8.981	-0.0054	21	-30 40 19.63	-0.032	21	0.43	9.076	22	32.3	19.07	21	32.3	F8	C7	12481	C -3119129
34	10.4	9.8W	5 15.723	0.0026	21	-31 29 28.86	-0.011	21	0.43	15.676	22	32.3	28.67	21	32.3	F5	C7	12482	C -3119131
35	10.5	9.2W	5 25.022	-0.0035	09	-35 53 24.89	0.032	09	0.22	25.072	15	35.8	25.34	21	35.8	MB	C8	11811	C -3615725
36	9.7	9.2W	5 26.075	0.0029	13	-39 20 13.21	-0.012	13	0.26	26.033	15	35.8	13.04	21	35.8	G5	C8	11812	C -3914943
37	10.6	10.3W	5 28.456	-0.0125	21	-31 0 25.79	0.038	21	0.43	28.676	22	32.3	26.47	21	32.3	F5 L	C7	12483	C -3119132
38	9.0	9.3W	5 30.776	-0.0023	21	-31 8 46.63	-0.026	21	0.43	30.816	22	32.3	46.17	21	32.3	A2	C7	12484	C -3119133
39	9.7	9.7W	5 52.049	-0.0031	15	-38 6 23.81	-0.026	15	0.28	52.092	15	35.8	23.44	21	35.8	A3	C8	11815	C -3815369
40	10.3	9.6W	5 56.883	0.0032	21	-31 50 41.98	0.023	21	0.43	56.827	22	32.3	42.39	21	32.3	K0	C7	12485	C -3217406
41	9.9E	9.3R	6 5.888	0.0019	12	-39 53 57.38	-0.015	12	0.65	5.794	28	99.8	56.64	26	99.8	G0	CZ	20307	P -40 9777
42	9.8	9.7W	6 21.925	0.0039	21	-31 51 30.87	-0.016	21	0.43	21.857	22	32.3	30.59	21	32.3	F0	C7	12486	C -3217407
43	9.8	9.7W	6 22.101	0.0030	21	-33 3 50.90	-0.045	21	0.43	22.048	22	32.3	50.10	21	32.3	F5	C7	12487	C -3316407
44		6.8W	6 22.988	0.0002	21	-30 24 17.78	0.021	21	0.43	22.985	22	32.3	18.15	21	32.3	MB	C7	12488V	C*-3019448
45	10.1	9.5W	6 30.552	-0.0007	13	-35 42 21.34	0.007	13	0.26	30.562	15	35.8	21.45	21	35.8	G5	C8	11817	C -3615731
46	9.4	8.6W	6 35.630	0.0019	21	-32 26 8.00	0.033	21	0.43	35.597	22	32.3	8.58	21	32.3	K0	C7	12489	C -3217408
47	10.2	9.3W	6 43.580	-0.0026	21	-32 26 52.13	-0.042	21	0.43	43.627	22	32.3	51.38	21	32.3	K0 L	C7	12490	C -3217409
48	10.2	9.4W	6 57.339	-0.0010	21	-31 10 52.46	-0.022	21	0.43	57.356	22	32.3	52.07	21	32.3	G5	C7	12491	C -3119145
49	9.9	8.4W	7 1.138	-0.0009	13	-35 6 41.37	0.033	13	0.26	1.151	15	35.8	41.84	21	35.8	MA	C8	11818	C -3515680
50	10.4	9.9W	7 6.089	0.0048	13	-35 8 54.47	0.005	13	0.26	6.021	15	35.8	54.55	21	35.8	G5	C8	11819	C -3515682
51	10.5	10.0W	Z3 7 20.596	-0.0115	21	-33 44 41.93	0.050	21	0.43	20.799	22	32.3	42.81	21	32.3	G0	C7	12492	C -3415920
52	10.4	9.4W	7 23.416	0.0016	18	-38 2 54.56	-0.009	18	0.31	23.392	15	35.8	54.44	21	35.8	K0	C8	11821	C -3815380
53	9.6	8.0W	7 23.726	-0.0013	21	-34 10 46.60	-0.050	21	0.43	23.749	22	32.3	45.71	21	32.3	K5	C7	12493	C -3415921
54	9.7	9.5W	7 23.753	-0.0049	21	-34 40 44.76	-0.002	21	0.43	23.839	22	32.3	44.72	21	32.3	G0	C7	12494	C -3515683
55	9.7	9.5W	7 27.817	0.0044	09	-39 35 59.39	-0.018	09	0.22	27.754	15	35.8	59.15	21	35.8	F8	C8	11822	C -3914952
56	11.2	10.3W	7 29.230	-0.0009	21	-31 50 44.85	-0.032	21	0.43	29.247	22	32.3	44.29	21	32.3	G5 L	C7	12495	C -3217414
57	9.3	7.8W	7 32.312	-0.0007	04	-35 40 13.76	-0.009	04	0.19	32.322	15	35.8	13.64	21	35.8	K5	C8	11823	C -3615740
58	11.2	10.0W	7 34.634	-0.0025	21	-33 5 1.13	-0.007	21	0.43	34.678	22	32.3	1.00	21	32.3		C7	12496	C -3316415
59	10.9	10.4W	7 48.109	-0.0068	21	-33 40 56.36	0.003	21	0.43	48.229	22	32.3	56.41	21	32.3	G2 L	C7	12497	C -3415924
60	9.4	9.1W	7 51.314	0.0008	15	-37 2 8.77	-0.030	15	0.28	51.303	15	35.8	8.35	21	35.8	F8	C8	11824	C -3715119
61	10.5	9.5W	7 52.174	-0.0026	21	-32 3 29.79	-0.006	21	0.43	52.217	22	32.3	29.69	21	32.3	K2	C7	12498	C -3217416
62	10.5	9.7W	7 57.531	0.0014	21	-32 22 56.94	-0.020	21	0.43	57.507	22	32.3	56.59	21	32.3		C7	12499	C -3217419
63	8.5	8.4W	7 57.636	0.0034	21	-32 27 0.27	0.012	21	0.43	57.577	22	32.3	0.49	21	32.3	F0	C7	12500	C -3217418
64	9.4	8.7W	8 4.872	0.0360	21	-30 11 20.77	-0.012	21	0.43	4.235	22	32.3	20.55	21	32.3	K0	C7	12501	C -3019459
65	9.6	9.4W	8 6.180	0.0019	18	-37 31 5.10	0.017	18	0.31	6.152	15	35.8	5.35	21	35.8	F5	C8	11825	C -3715124
66	8.7	7.8W	8 11.722	0.0013	21	-33 53 43.75	0.032	21	0.43	11.699	22	32.3	44.31	21	32.3	K0	C7	12502	C -3415927
67	9.6	9.4W	8 11.854	-0.0052	21	-32 15 30.75	-0.066	21	0.43	11.947	22	32.3	29.59	21	32.3	F8	C7	12503	C -3217421
68	11.3	10.4W	8 15.032	-0.0007	18	-36 16 16.26	-0.044	18	0.31	15.041	15	35.8	15.64	21	35.8	K0 L	C8	11826	C -3615750
69	8.5	8.4W	8 29.208	0.0047	21	-30 16 24.56	0.028	21	0.43	29.125	22	32.3	25.05	21	32.3	F5	C7	12504	C -3019462
70	11.1		8 38.315	0.0002	18	-35 31 49.99	-0.032	18	0.31	38.312	15	35.8	49.54	21	35.8	G0 L	C8	11828	C -3515688
71	10.0	9.7W	8 49.068	0.0030	21	-30 25 30.85	-0.022	21	0.43	49.014	22	32.3	30.45	21	32.3	G0	C7	12505	C -3019464
72	10.5	9.6W	9 2.985	-0.0012	13	-36 2 46.57	0.019	13	0.26	3.002	15	35.8	46.84	21	35.8	K0	C8	11829	C -3615760
73	10.5	10.2W	9 5.972	-0.0063	13	-36 3 50.52	-0.048	13	0.26	6.062	15	35.8	49.84	21	35.8	G5	C8	11830	C -3615761
74	10.6	9.6W	9 11.007	0.0023	21	-30 46 39.69	0.010	21	0.43	10.966	22	32.3	39.87	21	32.3	K2	C7	12506	C -3119163
75	10.4	9.6W	9 14.566	0.0003	09	-36 10 27.59	0.053	09	0.22	14.561	15	35.8	28.34	21	35.8	K0	C8	11831	C -3615762
76	11.0	10.7W	9 15.429	-0.0065	21	-30 53 21.93	-0.015	21	0.43	15.526	22	32.3	21.67	21	32.3		C7	12507	C -3119164
77	10.6	10.1W	9 17.171	-0.0054	21	-31 18 2.62	-0.014	21	0.43	17.266	22	32.3	2.37	21	32.3	G0	C7	12508	C -3119167
78	10.7	9.6W	9 18.615	-0.0036	21	-33 39 33.82	0.028	21	0.43	18.679	22	32.3	34.31	21	32.3	K5	C7	12509	C -3415935
79	10.7	9.8W	9 33.364	0.0007	18	-38 40 13.75	-0.043	18	0.31	33.353	15	35.8	13.15	21	35.8	K0 L	C8	11832	C -3914958
80	10.5	10.0W	9 52.553	-0.0036	21	-31 31 12.55	-0.066	21	0.43	52.617	22	32.3	11.39	21	32.3		C7	12510	C -3119171
81	10.1	9.1W	9 54.037	0.0074	21	-32 22 45.16	-0.044	21	0.43	53.907	22	32.3	44.39	21	32.3	K0	C7	12511	C -3217432
82	10.2	8.9W	10 3.108	-0.0019	13	-39 45 37.82	-0.027	13	0.26	3.134	15	35.8	37.44	21	35.8	K2	C8	11833	C -4015069
83	10.6	10.4W	10 10.600	0.0006	18	-35 32 9.02	-0.027	18	0.31	10.591	15	35.8	8.64	21	35.8	G5	C8	11834	C -3515695
84	11.2	10.3W	10 10.883	-0.0007	18	-37 10 1.44	-0.007	18	0.31	10.893	15	35.8	1.34	21	35.8	G0 L	C8	11835	C -3715144
85	10.9	10.1W	10 15.965	0.0037	10	-38 12 51.61	-0.005	10	0.23	15.912	15	35.8	51.54	21	35.8	K1 L	C8	11837	C -3815391
86	8.3	7.5W	10 16.555	0.0021	21	-32 35 19.73	-0.058	21	0.43	16.518	22	32.3	18.70	21	32.3	K0	C7	12512	C*-3217434
87	9.9	9.6W	10 27.741	-0.0009	21	-30 43 18.80	0.004	21	0.43	27.756	22	32.3	18.87	21	32.3	G0	C7	12514	C -3119180
88	10.7	10.2W	10 29.931	-0.0022	21	-34 50 22.67	-0.042	21	0.43	29.969	22	32.3	21.92	21	32.3	G5	C7	12515	C -3515697
89	8.7	7.8W	10 36.476	0.0023	21	-30 19 36.27	0.016	21	0.43	36.435	22	32.3	36.55	21	32.3	K0	C7	12516	C -3019477
90	10.1	9.8W	10 36.903	-0.0060	21	-34 24 6.39	-0.027	21	0.43	37.009	22	32.3	5.91	21	32.3	G0	C7	12517	C -3415944
91	10.0	10.0W	10 48.101	-0.0051	18	-38 15 34.54	-0.035	18	0.31	48.172	15	35.8	34.04	21	35.8	F5 L	C8	11838	C -3815393
92	10.5	10.5W	10 48.429	-0.0113	21	-33 45 38.09	0.058	21	0.43	48.629	22	32.3	39.11	21	32.3	F8 L	C7	12518	C -3415947
93	9.5E	9.5Z	10 56.459	-0.0028	12	-39 58 56.84	-0.092	12	0.66	56.601	28	99.3	52.18	26	99.3	G0	CZ	20358	P -40 9798
94	10.2	9.2W	11 12.213	0.0001	13	-36 29 7.29	-0.018	13	0.26	12.212	15	35.8	7.04	21	35.8	K0	C8	11839	C -3615779
95	10.0	9.9W	11 18.068	0.0039	18	-36 35 43.58	0.018	18	0.31	18.013	15	35.8	43.84	21	35.8	F8	C8	11840	C -3715153
96	10.2	9.2W	11 19.746	0.0032	13	-35 15 35.15	-0.036	13	0.26	19.701	15	35.8	34.64	21	35.8	K0	C8	11841	C -3515756
97	10.3	9.8W	11 26.869	0.0153	21	-33 19 27.01	-0.164	21	0.43	26.598	22	32.3	24.11	21	32.3	G0	C7	12520	C -3316443
98	10.7	10.6W	11 40.380	-0.0043	21	-31 42 59.61	-0.013	21	0.43	40.457	22	32.3	59.38	21	32.3		C7	12521	C -3217442
99	10.2	9.9W	11 50.692	0.0014	21	-30 56 51.91	-0.025	21	0.43	50.666	22	32.3	51.47	21	32.3	F8	C7	12522	C -3119185
00	10.7	10.4W	11 53.255	-0.0036	21	-33 48 2.00	0.035	21	0.43	53.319	22	32.3	2.61	21	32.3	F8 L	C7	12523	C -3415953

-30° 23H

214400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
																				-30° 23H
1	10.4	9.3W	23 11 57.698	-0.0033	21	-31 24 47.42	-0.014	21	0.43	57.756	22	32.3	47.17	21	32.3	K0		C7	12525	C -3119187
2	9.5	9.2W	12 8.411	0.0007	21	-34 18 26.53	-0.001	21	0.43	8.399	22	32.3	26.51	21	32.3	G0		C7	12526	C -3415955
3	9.2	7.8W	12 10.734	0.0014	13	-39 27 1.85	-0.013	13	0.26	10.713	15	35.8	2.05	21	35.8	K2		C8	11843	C -3914968
4	10.9	10.6W	12 12.418	0.0018	18	-38 6 17.53	-0.126	18	0.31	12.392	15	35.8	15.75	21	35.8	G5	L	C8	11845	C -3815404
5	9.4	8.9W	12 35.834	-0.0041	13	-35 59 9.65	-0.043	13	0.26	35.892	15	35.8	9.04	21	35.8	G5		C8	11847	C -3615785
6	10.9		12 36.402	-0.0015	18	-36 44 24.89	-0.081	18	0.31	36.423	15	35.8	23.74	21	35.8	A0		C8	11848	C -3715160
7	9.7	9.8W	12 42.207	-0.0013	13	-39 52 33.11	-0.047	13	0.26	42.224	15	35.8	32.44	21	35.8	F0		C8	11849	C -4015083
8	8.7	8.5W	12 50.481	-0.0035	13	-35 28 45.90	-0.010	13	0.26	50.531	15	35.8	46.04	21	35.8	F5		C8	11851	C -3515716
9	11.0	10.4W	12 53.634	-0.0048	21	-33 45 31.87	-0.009	21	0.43	53.719	22	32.3	31.71	21	32.3	G5	L	C7	12527	C -3415962
10		6.6T	13 2.765	0.0116	11	-30 7 13.06	-0.021	11	0.63	2.149	15	96.8	11.94	17	96.0	G5		GC	32370	C*-3019491
11	11.0	10.6W	13 3.356	-0.0000	21	-32 28 31.85	0.019	21	0.43	3.357	22	32.3	32.19	21	32.3	F8	L	C7	12529	C -3217450
12	10.9	10.6W	13 5.726	0.0057	09	-39 32 32.03	-0.042	09	0.22	5.644	15	35.8	31.44	21	35.8	G2	L	C8	11852	C -3914976
13	10.3	10.0W	13 12.585	-0.0036	21	-34 10 1.52	0.005	21	0.43	12.649	22	32.3	1.61	21	32.3	F8		C7	12530	C -3415964
14	8.8	8.5W	13 15.572	0.0028	13	-35 59 27.94	0.021	13	0.26	15.532	15	35.8	28.24	21	35.8	F8		C8	11853	C -3615792
15	10.8		13 17.056	0.0066	13	-37 29 17.36	-0.023	13	0.26	16.963	15	35.8	17.04	21	35.8	K0	L	C8	11854	C -3715170
16	9.0	8.8W	13 17.467	0.0005	21	-33 25 15.46	-0.020	21	0.43	17.458	22	32.3	15.11	21	32.3	A3		C7	12531	C -3316455
17	8.2	8.3W	13 19.325	0.0014	06	-39 32 29.43	-0.006	06	0.20	19.305	15	35.8	29.35	21	35.8	A0		C8	11855	C -3914977
18	8.9	7.9W	13 20.952	0.0014	08	-35 57 22.34	0.021	08	0.22	20.931	15	35.8	22.65	21	35.8	K2		C8	11856	C -3615793
19	8.3	8.1W	13 25.102	0.0084	07	-37 23 40.19	-0.060	07	0.21	24.983	15	35.8	39.34	21	35.8	F8		C8	11858	C -3715172
20		10.8W	13 27.125	-0.0003	21	-34 45 56.77	0.037	21	0.43	27.129	22	32.3	57.42	21	32.3			C7	12532	C -3515718
21	10.7	9.4W	13 28.946	-0.0000	21	-31 47 13.48	-0.028	21	0.43	28.947	22	32.3	12.99	21	32.3	K5		C7	12533	C -3217452
22	10.3	9.6W	13 39.779	-0.0051	21	-33 56 43.33	-0.095	21	0.43	39.869	22	32.3	45.01	21	32.3	K0		C7	12534	C -3415966
23	9.9	9.5W	13 49.490	-0.0023	18	-37 48 52.52	-0.020	18	0.31	49.522	15	35.8	52.24	21	35.8	G0		C8	11859	C -3815416
24	11.3	9.7W	13 51.260	-0.0012	13	-37 39 28.29	-0.003	13	0.26	51.242	15	35.8	28.34	21	35.8	K5	L	C8	11860	C -3815417
25	10.6	10.4W	13 57.376	-0.0070	21	-34 39 19.99	-0.009	21	0.43	57.500	22	32.3	19.82	21	32.3	F5		C7	12535	C -3515723
26	9.5	9.0W	13 57.624	0.0100	08	-35 38 0.48	-0.031	08	0.22	57.482	15	35.8	0.04	21	35.8	G0		C8	11861	C -3615794
27	9.9	9.6W	14 8.388	-0.0005	21	-30 35 12.76	-0.011	21	0.43	8.396	22	32.3	12.57	21	32.3	F8		C7	12536	C -3019499
28	8.5	8.4W	14 8.524	0.0022	21	-30 10 50.20	-0.014	21	0.43	8.485	22	32.3	49.95	21	32.3	F2		C7	12537	C -3019500
29	10.3	10.0W	14 20.610	-0.0022	21	-33 41 42.81	0.006	21	0.43	20.649	22	32.3	42.91	21	32.3	G0		C7	12538	C -3415973
30	10.9		14 24.556	0.0032	18	-34 59 58.63	0.035	18	0.31	24.510	15	35.8	59.13	21	35.8	F8		C8	11862	C -3515727
31	10.3	9.9W	14 27.801	0.0030	21	-32 45 33.74	-0.064	21	0.43	27.748	22	32.3	32.60	21	32.3	G0		C7	12539	C -3316463
32	8.9	9.1W	14 28.537	-0.0012	13	-38 55 22.47	-0.030	13	0.26	28.553	15	35.8	22.04	21	35.8	A0		C8	11863	C -3914983
33	10.2	9.9W	14 54.730	0.0018	21	-32 43 12.04	-0.019	21	0.43	54.698	22	32.3	11.70	21	32.3	F5		C7	12540	C -3316466
34	9.6	9.2W	15 1.637	0.0004	13	-36 19 7.74	-0.035	13	0.26	1.632	15	35.8	7.24	21	35.8	G5		C8	11864	C -3615803
35	10.7	10.4W	15 4.391	-0.0002	21	-31 20 48.25	0.001	21	0.43	4.396	22	32.3	48.27	21	32.3	F8	L	C7	12541	C -3119209
36	10.1	9.1W	15 6.388	-0.0040	21	-33 42 32.71	0.023	21	0.43	6.459	22	32.3	33.11	21	32.3	K2		C7	12542	C -3415976
37	9.8	9.0W	15 22.802	0.0053	21	-32 40 37.76	-0.139	21	0.43	22.708	22	32.3	35.31	21	32.3	G0		C7	12543	C -3316470
38	10.3	8.8W	15 29.000	-0.0009	21	-32 20 28.04	-0.054	21	0.43	29.017	22	32.3	27.08	21	32.3	K5		C7	12544	C -3217465
39	10.5	9.5W	15 29.603	0.0000	13	-36 40 12.82	-0.034	13	0.26	29.603	15	35.8	12.34	21	35.8	K0		C8	11866	C -3715187
40	11.3	10.2W	15 30.393	-0.0041	21	-31 17 39.49	-0.018	21	0.43	30.466	22	32.3	39.17	21	32.3			C7	12545	C -3119213
41	11.6	10.5W	15 40.727	-0.0137	21	-34 15 10.98	-0.021	21	0.43	40.969	22	32.3	10.61	21	32.3			C7	12546	C -3415978
42	10.5	9.6W	15 54.217	-0.0061	21	-33 58 6.96	-0.014	21	0.43	54.219	22	32.3	6.71	21	32.3	G5		C7	12547	C -3415980
43	11.8		16 0.843	-0.0069	18	-35 12 49.29	-0.074	18	0.31	0.941	15	35.8	48.25	21	35.8	K2	L	C8	11868	C -3515733
44		4.5H	16 7.705	0.0017	02	-32 48 16.84	-0.064	02	0.09	7.646	04	15.8	14.71	04	16.6	K0		F4	879	C -3316476
45		6.9T	16 13.740	0.0028	14	-30 49 34.84	-0.048	12	0.68	13.602	15	00.7	32.37	18	98.5	K0		GC	32453	C -3119218
46	10.9	10.6W	16 13.835	-0.0036	21	-34 5 56.48	0.019	21	0.43	13.899	22	32.3	56.81	21	32.3	G5	L	C7	12550	C -3415982
47	10.3	9.4W	16 20.882	-0.0008	13	-39 29 43.55	-0.001	13	0.26	20.893	15	35.8	43.54	21	35.8	K0	L	C8	11869	C -3914991
48	10.6	10.0W	16 24.871	0.0000	23	-34 58 10.47	-0.045	23	0.37	24.870	15	35.8	9.83	21	35.8	K0		C8	11870	C -3515737
49	9.1	8.8W	16 30.376	-0.0019	18	-37 8 0.58	-0.010	18	0.31	30.403	15	35.8	0.44	21	35.8	F5		C8	11871	C -3715197
50	8.6	7.7W	16 41.363	-0.0020	05	-36 24 10.69	-0.039	05	0.20	41.391	15	35.8	10.14	21	35.8	K0		C8	11872	C -3615822
51		7.1T	23 16 41.880	0.0043	12	-39 25 53.94	-0.022	12	0.65	41.664	17	99.3	52.75	18	96.8	A2		GC	32466	C*-3914994
52	11.0	10.3W	16 42.915	-0.0127	21	-33 47 15.12	-0.102	21	0.43	43.139	22	32.3	13.31	21	32.3			C7	12551	C -3415984
53	8.4	8.5W	16 46.935	0.0038	21	-33 18 14.40	-0.066	21	0.43	46.868	22	32.3	13.40	21	32.3	A0		C7	12552	C -3316481
54	10.3	9.5W	16 52.749	0.0053	21	-30 19 45.76	-0.023	21	0.43	52.655	22	32.3	45.35	21	32.3	K0		C7	12553	C -3019512
55	10.6	10.6W	16 53.336	-0.0003	13	-35 10 24.30	0.031	13	0.26	53.341	15	35.8	24.74	21	35.8	F8	L	C8	11874	C -3515740
56	11.4	9.7W	16 53.365	-0.0046	21	-31 41 5.28	-0.034	21	0.43	53.447	22	32.3	4.68	21	32.3			C7	12554	C -3217469
57	9.5	9.3W	16 54.272	-0.0036	13	-36 56 39.43	-0.035	13	0.26	54.323	15	35.8	38.94	21	35.8	F5		C8	11875	C -3715201
58	9.5	9.3W	16 58.702	-0.0077	21	-33 29 50.79	-0.084	21	0.43	58.838	22	32.3	49.30	21	32.3	G0		C7	12555	C -3316483
59		6.4T	17 1.099	0.0037	12	-33 58 53.19	-0.037	12	0.61	0.919	15	01.8	51.36	17	01.0	K0		GC	32472K	C -3415985
60	10.3	8.9W	17 1.107	-0.0022	21	-31 37 43.40	-0.074	21	0.43	1.147	22	32.3	42.09	21	32.3	K2		C7	12557	C -3217470
61	10.4	9.8W	17 3.891	-0.0003	21	-32 18 44.38	-0.057	21	0.43	3.897	22	32.3	45.39	21	32.3	G0		C7	12558	C -3217471
62	9.1	8.1W	17 5.727	0.0030	18	-38 43 1.83	-0.042	18	0.31	5.683	15	35.8	1.24	21	35.8	K2		C8	11877	C -3914996
63	11.0	10.4W	17 10.461	-0.0010	21	-34 13 8.34	0.055	21	0.43	10.479	22	32.3	9.31	21	32.3			C7	12559	C -3415986
64	10.4	10.0W	17 11.726	0.0015	21	-33 32 46.27	-0.043	21	0.43	11.699	22	32.3	45.51	21	32.3	G0	L	C7	12560	C -3316488
65	10.5	9.4W	17 14.233	-0.0003	21	-32 51 41.76	-0.003	21	0.43	14.238	22	32.3	41.70	21	32.3	K5		C7	12561	C -3316489
66	10.5	10.5W	17 23.958	-0.0030	13	-34 54 41.07	0.025	13	0.26	24.000	15	35.8	41.43	21	35.8	F5		C8	11878	C -3515743
67	11.1	10.2W	17 25.987	0.0130	21	-31 29 59.86	-0.056	21	0.43	25.756	22	32.3	58.87	21	32.3			C7	12562	C -3119222
68	10.0	9.3W	17 32.609	-0.0001	13	-34 52 56.05	0.076	13	0.26	32.610	15	35.8	57.13	21	35.8	K0	L	C8	11879	C -3515744
69	10.6	9.7W	17 32.663	-0.0035	18	-38 0 20.25	-0.015	18	0.31	32.712	15	35.8	20.04	21	35.8	K0	L	C8	11880	C -3815442
70	11.1	10.7W	17 33.137	-0.0045	21	-31 35 16.16	-0.010	21	0.43	33.217	22	32.3	15.99	21	32.3			C7	12564	C -3119225
71	10.0	9.1W	17 37.235	-0.0019	21	-32 52 55.19	-0.033	21	0.43	37.268	22	32.3	54.60	21	32.3	K0		C7	12565	C -3316494
72	9.4	9.2W	17 38.128	-0.0003	18	-37 35 45.18	-0.066	18	0.31	38.132	15	35.8	44.25	21	35.8	G0		C8	11881	C -3815443
73	10.2	9.1W	17 44.739	0.0008	21	-30 21 13.13	0.024	21	0.43	44.725	22	32.3	13.55	21	32.3	K2		C7	12567	C -3019515
74	8.3	8.0W	17 54.900	0.0075	06	-38 46 12.18	-0.031	06	0.20	54.793	15	35.8	11.74	21	35.8	F5		C8	11882	C -3915001
75	10.4	10.1W	17 59.585	-0.0019	21	-32 40 14.98	0.013	21	0.43	59.618	22	32.3	15.20	21	32.3	G0	L	C7	12568	C -3316498
76	9.8	8.6W	18 4.942	-0.0021	21	-34 10 27.39	-0.010	21	0.43	4.979	22	32.3	27.21	21	32.3	K2		C7	12569	C -3415990
77	10.4	9.7W	18 8.330	0.0008	21	-32 1 10.05	-0.015	21	0.43	8.317	22	32.3	9.78	21	32.3	G5		C7	12570	C -3217480
78	11.1	10.1W	18 9.692	0.0026	21	-32 6 27.62	-0.053	21	0.43	9.647	22	32.3	26.69	21	32.3			C7	12571	C -3217481
79	9.2	8.9W	18 15.206	0.0016	18	-37 57 43.21	-0.005	18	0.31	15.182	15	35.8	43.15	21	35.8	F8		C8	11883	C*-3815449
80	10.9	10.3W	18 24.805	-0.0035	21	-30 25 3.91	-0.009	21	0.42	24.865	22	32.8	3.75	21	32.8	G0	L	C7	12572	C -3019520
81	10.6	10.1W	18 27.617	0.0006	21	-30 59 54.67	-0.012	21	0.42	27.606	22	32.8	54.47	21	32.8	F8		C7	12573	C -3119234
82	10.9	9.5W	18 33.953	-0.0025	21	-31 30 40.93	-0.020	21	0.42	33.997	22	32.8	40.59	21	32.8	K2		C7	12574	C -3119236
83	8.9	8.5W	18 38.338	-0.0017	21	-30 51 11.98	-0.018	21	0.42	38.366	22	32.8	11.67	21	32.8	F8		C7	12575	C -3119237
84	10.3	9.8W	18 39.700	0.0031	21	-30 45 26.75	-0.092	21	0.42	39.646	22	32.8	25.17	21	32.8	F8		C7	12576	C -3119238
85	11.0	10.4W	18 42.115	-0.0032	18	-34 58 3.49	0.010	18	0.31	42.160	15	35.8	3.62	21	35.8	K0		C8	11884	C -3515755
86	11.6	10.7W	18 42.850	-0.0039	21	-30 47 56.33	0.008	21	0.42	42.916	22	32.8	56.47	21	32.8	F8	L	C7	12577	C -3119239
87	9.6	8.8W	18 49.497	0.0004	05	-36 15 27.42	0.001	05	0.20	49.492	15	35.8	27.44	21	35.8	K0		C8	11885	C -3615839
88	9.8	8.7W	18 55.128	-0.0082	21	-33 55 55.34	-0.019	21	0.42	55.269	22	32.8	55.01	21	32.8	K0		C7	12578	C -3415994
89	10.9	10.3W	19 5.963	0.0113	13	-37 10 25.40	-0.138	13	0.26	5.803	15	35.8	23.44	21	35.8	K1	L	C8	11886	C -3715212
90	9.8	9.4W	19 6.375	-0.0018	21	-31 43 1.08	0.006	21	0.42	6.407	22	32.8	1.19	21	32.8	F8		C7	12579	C -3217485
91	10.8		19 8.431	-0.0139	21	-34 32 31.49	-0.097	21	0.42	8.670	22	32.8	29.82	21	32.8	F8		C7	12580	C -3415996
92	10.3	9.9W	19 13.123	-0.0096	21	-32 33 48.47	-0.062	21	0.42	13.288	22	32.8	47.40	21	32.8	F5		C7	12581	C -3217486
93	10.5	10.2W	19 18.240	-0.0039	21	-31 14 15.55	0.030	21	0.42	18.306	22	32.8	16.07	21	32.8	F2		C7	12582	C -3119243
94	11.3	10.6W	19 29.358	0.0005	13	-34 57 31.86	-0.023	13	0.26	29.350	15	35.8	31.53	21	35.8	G8	L	C8	11887	C -3515760
95	10.9	10.5W	19 42.012	-0.0021	18	-35 55 54.38	-0.017	18	0.31	42.041	15	35.8	54.14	21	35.8	G5		C8	11888	C -3615846
96	8.9	8.7W	19 42.529	-0.0017	18	-37 4 50.61	0.016	18	0.31	42.552	15	35.8	50.84	21	35.8	F5		C8	11889	C -3715216
97	10.4	8.8W	19 59.077	0.0004	13	-36 19 8.60	0.017	13	0.26	59.072	15	35.8	8.85	21	35.8	K5		C8	11891	C -3615850
98	11.3	10.4W	20 16.734	0.0022	21	-31 30 12.08	0.035	21	0.42	16.697	22	32.8	12.68	21	32.8			C7	12585	C -3119254
99	10.6	10.2W	20 26.710	0.0008	21	-31 28 45.17	0.023	21	0.42	20.696	22	32.8	45.57	21	32.8	F5	L	C7	12586	C -3119255
00	9.7	9.3W	20 22.864	-0.0060	21	-35 37 49.02	-0.009	21	0.42	22.966	22	32.8	48.87	21	32.8	F5		C7	12588	C -3119257

214500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.3	8.3W	23 20 22.903	-0.0014	21	-30 52 21.71	0.003	21	0.42	22.926	22	32.8	21.77	21	32.8	K0		C7	12587	C -3119256
2	9.9	9.4W	20 25.207	-0.0001	21	-33 44 27.23	-0.030	21	0.42	25.209	22	32.8	26.71	21	32.8	G0		C7	12589	C -3416006
3	9.5	9.4W	20 25.635	-0.0030	21	-30 41 36.32	-0.003	21	0.42	25.686	22	32.8	36.27	21	32.8	A2		C7	12590	C -3119259
4	9.4	8.5W	20 29.194	-0.0033	21	-34 49 58.65	0.051	21	0.42	29.250	22	32.8	59.52	21	32.8	K2		C7	12591	C -3515766
5	10.3	9.7W	20 31.994	0.0008	18	-37 47 18.52	-0.090	18	0.31	31.982	15	35.8	17.24	21	35.8	K2		C8	11892	C -3815466
6	10.1	9.0W	20 35.239	-0.0029	21	-33 50 5.35	-0.002	21	0.42	35.289	22	32.8	5.31	21	32.8	K0		C7	12592	C -3416008
7	10.3	9.9W	20 35.934	-0.0060	21	-31 24 7.99	0.016	21	0.42	36.036	22	32.8	8.27	21	32.8	G0		C7	12593	C -3119260
8	10.0	10.1W	20 36.379	-0.0038	13	-38 20 50.94	0.000	13	0.26	36.432	15	35.8	50.94	21	35.8	F0		C8	11893	C -3815467
9	9.8	9.4W	20 45.055	-0.0068	18	-35 31 43.42	-0.062	18	0.31	45.152	15	35.8	42.54	21	35.8	F8		C8	11894	C -3515769
10	10.0	9.6W	20 52.430	-0.0012	21	-34 34 42.29	-0.056	21	0.42	52.450	22	32.8	41.32	21	32.8	G0		C7	12594	C -3416010
11	10.7	10.3W	20 52.682	-0.0061	21	-30 46 56.48	-0.018	21	0.42	52.786	22	32.8	56.17	21	32.8	K0	L	C7	12595	C -3119266
12	10.9	10.0W	20 53.632	-0.0045	21	-33 43 39.48	0.043	21	0.42	53.709	22	32.8	40.21	21	32.8	K	L	C7	12596	C -3416011
13		7.6T	21 4.023	0.0002	11	-31 23 7.74	0.011	10	0.52	4.014	12	01.4	8.28	14	01.0	M0		GC	32550	C*-3119267
14	10.1	8.8W	21 4.541	-0.0011	21	-34 52 41.93	0.011	21	0.42	4.560	22	32.8	42.12	21	32.8	K5		C7	12598	C -3515775
15	8.9	8.5W	21 6.940	-0.0069	21	-33 39 6.43	0.063	21	0.42	7.059	22	32.8	7.51	21	32.8	F8		C7	12599	C -3416014
16	10.5	9.9W	21 15.682	0.0101	21	-33 4 11.60	-0.058	21	0.42	15.508	22	32.8	10.60	21	32.8	G5		C7	12601	C -3316521
17	10.8	10.5W	21 17.190	0.0019	18	-36 38 49.59	0.003	18	0.31	17.163	15	35.8	49.64	21	35.8			C8	11895	C -3715230
18	9.0	8.5W	21 21.219	0.0168	21	-34 34 27.54	-0.036	21	0.42	20.930	22	32.8	26.92	21	32.8	G5		C7	12602	C -3416015
19	10.9	9.5W	21 27.476	-0.0011	13	-35 58 59.11	-0.012	13	0.26	27.491	15	35.8	58.94	21	35.8	K5		C8	11897	C -3615858
20	9.9	9.2W	21 29.666	-0.0054	21	-33 11 29.51	-0.099	21	0.42	29.758	22	32.8	27.80	21	32.8	G0		C7	12603	C -3316522
21	9.3	9.0W	21 30.631	0.0026	21	-31 35 56.94	-0.015	21	0.42	30.587	22	32.8	56.69	21	32.8	F5		C7	12604	C -3217501
22	10.5	10.0W	21 31.841	0.0013	21	-33 43 34.18	0.002	21	0.42	31.819	22	32.8	34.21	21	32.8	G0		C7	12605	C -3416018
23	10.8	9.9W	21 32.134	-0.0013	21	-31 15 54.67	0.000	21	0.42	32.156	22	32.8	54.67	21	32.8	K0		C7	12606	C -3119272
24	9.7	9.5W	21 33.959	-0.0151	13	-36 59 10.12	0.001	13	0.26	34.173	15	35.8	10.15	21	35.8	F5		C8	11898	C -3715235
25		7.4T	21 44.659	-0.0012	11	-37 28 32.72	-0.010	09	0.53	44.718	15	01.4	32.19	15	99.3	A0		GC	32565	C -3715237
26	10.8	9.8W	21 48.324	-0.0019	21	-31 7 41.80	-0.002	21	0.42	48.356	22	32.8	41.77	21	32.8	K2		C7	12607	C -3119275
27	10.1	9.0W	21 57.663	0.0014	21	-33 42 54.03	0.005	21	0.42	57.693	22	32.8	54.11	21	32.8	K0		C7	12608	C -3416023
28	10.8	10.3W	22 4.875	-0.0041	21	-31 7 6.47	0.029	21	0.42	4.946	22	32.8	6.97	21	32.8	G0	L	C7	12609	C -3119278
29	9.8	9.6W	22 7.854	0.0014	13	-39 18 44.93	0.043	13	0.26	7.833	15	35.8	45.54	21	35.8	A5		C8	11900	C -3915017
30	10.5	10.3W	22 11.510	0.0027	18	-36 2 14.53	-0.035	18	0.31	11.472	15	35.8	14.04	21	35.8	K0	L	C8	11901	C -3615865
31	10.6	10.4W	22 12.557	-0.0059	09	-35 5 50.35	0.006	09	0.22	12.641	15	35.8	50.44	21	35.8	G0		C8	11902	C -3515782
32	10.0	9.6W	22 12.567	-0.0024	21	-32 44 10.43	-0.019	21	0.42	12.608	22	32.8	10.10	21	32.8	F5		C7	12610	C -3316527
33	9.7	9.4W	22 12.712	0.0035	18	-38 26 7.21	-0.005	18	0.31	12.662	15	35.8	7.14	21	35.8	G0		C8	11903	C -3815478
34		8.0T	22 32.738	0.0028	16	-36 27 37.59	-0.002	12	0.71	32.604	17	02.5	37.47	18	99.2	A2		GC	32581	C -3615866
35	10.8	10.2W	22 41.657	-0.0017	21	-30 35 35.93	0.037	21	0.42	41.686	22	32.8	36.57	21	32.8	G0	L	C7	12611	C -3119280
36		7.9T	22 46.904	0.0004	13	-30 16 55.16	-0.008	12	0.67	46.885	18	99.4	54.77	18	99.0	K2		GC	32584	C*-3019543
37	9.4	9.3W	22 55.044	0.0043	08	-38 2 11.98	0.011	08	0.22	54.982	15	35.8	12.15	21	35.8	A3		C8	11906	C -3815482
38	10.5	10.3W	23 0.376	-0.0068	18	-37 24 58.77	0.005	18	0.31	0.473	15	35.8	58.84	21	35.8	F8	L	C8	11907	C -3715245
39	10.2	10.1W	23 5.435	-0.0007	13	-39 47 33.64	-0.014	13	0.26	5.444	15	35.8	33.44	21	35.8	A3		C8	11908	C -4015144
40	9.9	9.3W	23 8.297	0.0075	21	-32 31 39.33	0.057	21	0.42	8.168	22	32.8	40.30	21	32.8	G0		C7	12614	C -3217517
41	9.9	9.1W	23 8.978	0.0011	13	-36 49 25.75	0.013	13	0.26	8.963	15	35.8	25.94	21	35.8	K0		C8	11909	C -3715246
42	9.6	9.3W	23 10.417	-0.0017	21	-32 17 55.22	0.021	21	0.42	10.447	22	32.8	55.58	21	32.8	F8		C7	12615	C -3217518
43	10.9	10.2W	23 17.503	-0.0049	13	-37 31 3.38	-0.010	13	0.26	17.572	15	35.8	3.24	21	35.8	G8	L	C8	11911	C -3715249
44	10.5	10.4W	23 27.452	0.0000	18	-35 38 58.29	-0.032	18	0.31	27.451	15	35.8	57.85	21	35.8	A3		C8	11913	C -3615877
45	10.5	9.1W	23 29.729	-0.0022	21	-32 8 53.56	-0.045	21	0.42	29.767	22	32.8	52.79	21	32.8	K5		C7	12616	C -3217523
46	10.1	9.9W	23 30.828	-0.0003	13	-37 59 28.75	0.006	13	0.26	30.832	15	35.8	28.84	21	35.8	F5	L	C8	11915	C -3815487
47	9.6	8.7W	23 49.775	0.0003	21	-34 33 51.68	0.090	21	0.42	49.770	22	32.8	53.22	21	32.8	K0		C7	12617	C -3416040
48	10.5	10.0W	23 56.256	-0.0033	18	-37 51 38.63	0.022	18	0.31	56.302	15	35.8	38.94	21	35.8	G8	L	C8	11917	C -3815492
49	10.5	10.2W	24 10.963	-0.0025	21	-32 2 13.10	-0.100	21	0.42	11.007	22	32.8	11.39	21	32.8	G0		C7	12618	C -3217530
50	10.3	9.9W	24 11.616	0.0030	13	-38 48 49.49	0.123	13	0.26	11.573	15	35.8	51.24	21	35.8	K0	L	C8	11920	C -3915027
51	10.6	10.1W	23 24 13.415	0.0051	18	-36 44 43.53	0.015	18	0.31	13.343	15	35.8	43.74	21	35.8	K0	L	C8	11921	C -3715258
52	10.2	9.9W	24 26.971	-0.0015	21	-32 0 36.65	-0.066	21	0.42	26.997	22	32.8	35.69	21	32.8	G0		C7	12619	C -3217532
53	10.4	10.3W	24 28.189	-0.0022	18	-35 26 11.78	-0.045	18	0.31	28.221	15	35.8	11.15	21	35.8	G0		C8	11923	C -3515797
54	10.3	9.5W	24 30.088	-0.0010	13	-36 27 10.93	0.022	13	0.26	30.101	15	35.8	11.24	21	35.8	K0		C8	11924	C -3615886
55	10.1	9.8W	24 43.648	0.0038	13	-38 32 58.09	-0.025	13	0.26	43.593	15	35.8	57.74	21	35.8	G0	L	C8	11925	C -3815495
56	9.3	9.0W	24 51.020	-0.0056	21	-31 54 48.78	-0.064	21	0.42	51.117	22	32.8	47.69	21	32.8	F8		C7	12620	C -3217535
57	7.8	7.5W	24 57.890	-0.0238	21	-33 54 7.03	-0.094	21	0.42	58.299	22	32.8	5.41	21	32.8	F8		C7	12621	C -3416047
58	9.9	9.6W	24 58.880	-0.0050	21	-31 33 6.07	0.024	21	0.42	58.967	22	32.8	6.49	21	32.8	F0		C7	12622	C -3119296
59	9.4	9.1W	25 6.912	-0.0035	13	-35 53 47.25	-0.067	13	0.26	6.961	15	35.8	46.44	21	35.8	F5		C8	11926	C -3615892
60	10.4	10.1W	25 13.111	0.0025	21	-32 49 4.05	-0.055	21	0.42	13.068	22	32.8	3.10	21	32.8	G0		C7	12623	C -3316551
61		6.4T	25 19.923	0.0002	05	-35 49 11.98	0.007	05	0.22	19.914	07	08.0	12.30	09	08.1	K2		GC	32643	C -3615895
62	9.8	8.7W	25 27.170	-0.0027	21	-31 6 44.13	-0.021	21	0.42	27.216	22	32.8	43.77	21	32.8	K0		C7	12624	C -3119298
63	10.4	9.8W	25 33.847	-0.0011	21	-32 16 41.54	-0.015	21	0.42	33.867	22	32.8	41.29	21	32.8	G0		C7	12625	C -3217538
64	10.2	9.4W	25 37.119	-0.0023	13	-36 9 55.36	-0.065	13	0.26	37.152	15	35.8	54.44	21	35.8	G5		C8	11928	C -3615897
65		7.6T	25 43.480	0.0014	10	-38 55 16.75	0.020	09	0.43	43.423	15	08.1	17.64	15	06.8	G5		GC	32651	C -3915037
66	9.3	8.8W	25 45.172	0.0004	13	-38 1 56.38	-0.045	13	0.26	45.052	15	35.8	55.74	21	35.8	G5		C8	11930	C -3815502
67	11.2	10.6W	25 46.619	-0.0058	21	-33 42 39.72	0.157	21	0.42	46.719	22	32.8	42.41	21	32.8			C7	12626	C -3416050
68	10.6	9.2W	25 47.971	-0.0038	21	-31 40 41.75	-0.004	21	0.42	48.037	22	32.8	41.68	21	32.8	MB		C7	12627	C -3217539
69	9.6	8.6W	25 49.636	-0.0011	13	-35 31 53.32	-0.055	13	0.26	49.651	15	35.8	52.54	21	35.8	K2		C8	11931	C -3515804
70	9.2	8.9W	25 53.157	-0.0026	18	-38 37 5.68	-0.024	18	0.31	53.193	15	35.8	5.34	21	35.8	F8		C8	11932	C -3915040
71	10.2	9.7W	26 5.299	-0.0058	13	-36 49 20.52	0.051	13	0.26	5.382	15	35.8	21.25	21	35.8	G5		C8	11933	C -3615900
72	10.5	10.1W	26 10.690	-0.0016	07	-37 40 26.96	-0.065	07	0.21	10.712	15	35.8	26.04	21	35.8	F8	L	C8	11935	C -3815505
73	9.3	8.5W	26 11.284	-0.0048	21	-31 39 50.63	-0.061	21	0.42	11.367	22	32.8	49.58	21	32.8	K0		C7	12628	C -3217540
74	10.7	10.4W	26 25.131	-0.0003	21	-32 27 3.74	-0.044	21	0.42	25.137	22	32.8	2.98	21	32.8	G0		C7	12629	C -3217541
75	10.5	10.2W	26 39.288	0.0019	21	-30 4 56.37	0.028	21	0.42	39.255	22	32.8	56.85	21	32.8	F8		C7	12630	C -3019569
76	9.9	9.4W	26 41.236	0.0046	21	-31 1 14.00	0.004	21	0.42	41.156	22	32.8	14.07	21	32.8	G0		C7	12631	C -3119303
77	9.5	8.5W	26 42.862	-0.0016	13	-39 41 14.91	-0.005	13	0.26	42.885	15	35.8	14.85	21	35.8	K0		C8	11936	C -4015167
78	10.0	9.6W	26 45.538	-0.0040	13	-39 47 41.98	0.018	13	0.26	45.594	15	35.8	42.24	21	35.8	F		C8	11937	C -4015168
79	9.5	9.2W	26 51.664	0.0015	18	-38 25 10.02	0.037	18	0.31	51.642	15	35.8	10.54	21	35.8	F5		C8	11938	C -3815510
80	10.4	9.4W	26 53.989	0.0006	21	-32 51 10.23	-0.083	21	0.42	53.978	22	32.8	8.80	21	32.8	K0		C7	12632	C -3316567
81	10.1	9.9W	27 4.132	-0.0020	13	-35 9 58.57	0.012	13	0.26	4.161	15	35.8	58.74	21	35.8	G0		C8	11940	C -3515814
82	9.8	9.4W	27 10.508	-0.0010	13	-36 6 29.09	0.025	13	0.26	10.522	15	35.8	29.45	21	35.8	G0		C8	11941	C -3615910
83	11.2	10.4W	27 14.795	0.0028	21	-30 56 11.30	-0.043	21	0.42	14.746	22	32.8	10.57	21	32.8	K2	L	C7	12633	C -3119306
84	10.8	10.2W	27 25.630	-0.0021	21	-31 37 3.62	0.027	21	0.42	25.667	22	32.8	4.09	21	32.8	G5	L	C7	12634	C -3217545
85	10.2	10.0W	27 30.222	0.0028	13	-36 39 58.45	-0.043	13	0.26	30.182	15	35.8	57.84	21	35.8	F8		C8	11943	C -3715277
86	9.7	8.8W	27 33.996	0.0018	21	-30 22 47.70	0.003	21	0.42	33.965	22	32.8	47.75	21	32.8	G5		C7	12635	C -3019576
87	10.7	10.2W	27 34.777	0.0038	18	-38 1 45.16	-0.037	18	0.31	34.722	15	35.8	44.64	21	35.8	G8	L	C8	11944	C -3815516
88	9.9	9.0W	27 35.002	-0.0014	13	-35 36 47.33	0.008	13	0.26	35.022	15	35.8	47.45	21	35.8	K2		C8	11945	C -3615914
89	10.6	9.6W	27 39.353	0.0021	21	-30 58 18.66	-0.017	21	0.42	39.316	22	32.8	18.37	21	32.8	K2		C7	12636	C -3119312
90	11.1	10.3W	27 39.851	0.0021	21	-30 26 59.23	-0.010	21	0.42	39.882	22	32.8	59.05	21	32.8	G5	L	C7	12637	C -3019577
91		7.7T	27 53.614	0.0029	11	-37 14 0.71	-0.001	11	0.56	53.478	17	02.6	0.64	17	01.8	A5		GC	32686	C -3715280
92	8.8	8.4W	27 58.291	0.0033	09	-38 36 13.50	0.031	09	0.22	58.243	15	35.8	13.94	21	35.8	G0		C8	11947	C -3915054
93	10.0	9.6W	28 11.840	0.0026	21	-30 7 36.28	0.016	21	0.42	11.795	22	32.8	36.55	21	32.8	G0		C7	12639	C -3019581
94		8.1T	28 14.901	-0.0158	11	-35 22 56.27	0.010	10	0.55	15.681	15	00.5	56.80	17	99.7	K0		GC	32693	C*-3515821
95	10.6	10.3W	28 19.193	-0.0007	21	-30 20 53.61	0.020	21	0.42	19.205	22	32.8	53.95	21	32.8	F8		C7	12640	C -3019582
96	10.7	10.0W	28 20.076	0.0002	13	-36 32 1.64	0.000	13	0.26	20.073	15	35.8	1.64	21	35.8	K0	L	C8	11949	C -3615920
97	9.3	9.0W	28 26.322	-0.0004	21	-33 33 52.81	-0.023	21	0.42	26.329	22	32.8	52.41	21	32.8	F8		C7	12641	C*-3316575
98	8.4	8.2W	28 34.439	-0.0045	21	-31 45 52.44	-0.137	21	0.42	34.517	22	32.8	50.09	21	32.8	F8		C7	12642	C -3217549
99	10.5	9.7W	28 37.274	0.0102	21	-33 21 1.24	-0.124	21	0.42	37.098	22	32.8	-59.10	21	32.8	K0		C7	12643	C -3316576
00	9.0	8.7W	28 40.830	0.0025	21	-31 22 18.44	-0.033	21	0.42	40.786	22	32.8	17.87	21	32.8	F8		C7	12644	C -3119325

214600 — -30° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.3T	23 28 54.987	0.0033	16	-36 33 56.98	-0.097	12	0.72	54.833	19	02.8	52.06	18	99.5	G5	GC	32706	C -3615924
2		8.7T	29 1.890	-0.0043	20	-31 36 44.76	-0.029	18	0.89	2.089	15	03.4	43.41	18	03.7	A5	GC	32712	C -3217552
3	10.0	9.6W	29 14.878	-0.0004	13	-37 3 30.89	-0.032	13	0.26	14.872	15	35.8	31.34	21	35.8	G0	C8	11951	C -3715286
4	10.5	9.5W	29 19.979	-0.0051	21	-32 21 8.03	-0.003	21	0.42	20.067	22	32.8	7.99	21	32.8	K5 L	C7	12646	C -3217556
5	11.0	10.6W	29 27.555	-0.0002	21	-32 54 35.20	-0.023	21	0.42	27.558	22	32.8	34.80	21	32.8		C7	12647	C -3316581
6	10.4	10.0W	29 34.448	0.0060	18	-37 31 55.88	-0.010	18	0.31	34.362	15	35.8	55.74	21	35.8	K0 L	C8	11952	C -3715287
7	11.0	10.1W	29 38.245	-0.0019	21	-33 7 26.52	0.005	21	0.42	38.278	22	32.8	26.60	21	32.8	K L	C7	12648	C -3316584
8	8.6	8.5W	29 38.906	0.0004	21	-33 57 5.78	0.066	21	0.42	38.899	22	32.8	6.91	21	32.8	A5	C7	12649	C -3416071
9	9.7	8.7W	29 50.542	0.0037	21	-32 30 47.57	-0.021	21	0.42	50.478	22	32.8	47.21	21	32.8	K2	C7	12650	C -3217558
10	10.3	9.5W	29 51.753	-0.0002	21	-32 12 46.24	-0.015	21	0.42	51.757	22	32.8	45.99	21	32.8	G5	C7	12651	C -3217559
11	9.4	9.3W	30 7.417	0.0029	13	-39 23 31.47	0.002	13	0.26	7.376	15	35.8	31.50	21	35.8	F0	C8	11953	C -3915064
12	11.1	10.4W	30 9.573	0.0014	18	-35 49 1.80	-0.063	18	0.31	9.554	15	35.8	0.90	21	35.8		C8	11955	C -3615930
13	11.0	10.5W	30 13.479	0.0011	21	-32 28 4.45	-0.013	21	0.42	13.460	22	32.8	4.23	21	32.8	K2 L	C7	12652	C -3217562
14	10.5	9.6W	30 16.272	0.0002	21	-31 29 44.68	0.020	21	0.42	16.269	22	32.8	45.02	21	32.8	K0	C7	12653	C -3119326
15		4.5H	30 17.688	0.0073	02	-38 5 42.35	0.020	02	0.10	17.416	05	12.7	43.11	04	12.9	B9	F4	886	C -3815527
16	10.0	9.5W	30 22.194	0.0061	21	-31 53 40.28	0.026	21	0.42	22.090	22	32.8	40.73	21	32.8	G0	C7	12654	C -3217564
17	11.1	10.3W	30 29.261	-0.0083	21	-34 46 26.09	0.057	21	0.42	29.403	22	32.8	27.07	21	32.8		C7	12655	C -3515829
18	10.5	10.1W	30 31.483	-0.0113	13	-35 44 20.68	-0.083	13	0.26	31.644	15	35.8	19.50	21	35.8	G8 L	C8	11957	C*-3615934
19	11.0	10.1W	30 32.243	0.0027	09	-36 45 12.30	-0.049	09	0.22	32.205	15	35.8	11.60	21	35.8	K0 L	C8	11958	C -3715292
20	10.3	10.1W	30 42.043	0.0013	18	-37 5 29.44	-0.038	18	0.31	42.025	15	35.8	28.90	21	35.8	F8 L	C8	11959	C -3715294
21	9.7	9.3W	30 46.279	0.0024	13	-36 3 1.09	0.015	13	0.26	46.244	15	35.8	1.30	21	35.8	F8	C8	11960	C -3615937
22		7.2T	30 47.169	0.0014	12	-31 33 57.28	0.008	12	0.60	47.098	15	00.8	57.70	17	00.0	K0	GC	32754	C*-3119333
23	11.1	10.6W	30 51.928	-0.0037	21	-32 35 35.18	0.033	21	0.42	51.992	22	32.8	35.75	21	32.8	G2 L	C7	12657	C -3217567
24		7.3T	31 5.693	0.0113	14	-36 32 24.05	0.053	12	0.70	5.128	19	00.1	26.84	19	97.2	F0	GC	32763K	C -3615940
25	8.7	8.5W	31 6.930	0.0053	13	-35 47 17.28	-0.041	13	0.26	6.854	15	35.8	16.70	21	35.8	F2	C8	11963	C -3615941
26	8.6	8.5W	31 12.370	-0.0008	21	-34 47 19.42	-0.003	21	0.42	12.383	22	32.8	19.37	21	32.8	F2	C7	12658	C -3515832
27	9.2	8.2W	31 15.175	-0.0016	21	-33 56 19.99	-0.008	21	0.42	15.202	22	32.8	19.86	21	32.8	K2	C7	12659	C -3416081
28	10.4	10.1W	31 29.851	-0.0066	06	-36 25 5.98	-0.055	06	0.20	29.944	15	35.8	5.20	21	35.8	G5 L	C8	11964	C -3615946
29	11.3	9.9W	31 39.871	0.0026	09	-38 16 16.89	-0.013	09	0.22	39.816	15	35.8	16.70	21	35.8	K2 L	C8	11965	C -3815540
30	11.1	10.5W	31 51.134	-0.0119	21	-31 1 6.24	-0.146	21	0.42	51.339	22	32.8	3.72	21	32.8		C7	12660	C -3119343
31	9.1	8.6W	31 58.916	-0.0042	18	-38 32 37.12	-0.022	18	0.31	58.976	15	35.8	36.80	21	35.8	G5	C8	11966	C -3815545
32	10.5	10.0W	32 9.552	0.0031	21	-30 28 27.48	0.001	21	0.42	9.498	22	32.8	27.50	21	32.8	G5	C7	12661	C -3019606
33	11.0	10.1W	32 11.468	0.0355	13	-34 56 44.53	-0.095	13	0.26	10.964	15	35.8	43.18	21	35.8	K5 L	C8	11967	C -3515842
34		7.1T	32 14.921	0.0024	13	-35 21 38.69	-0.044	12	0.59	14.810	14	03.7	36.62	15	03.3	K0	GC	32782	C -3515843
35	11.5		32 15.999	0.0060	18	-37 40 3.67	-0.075	18	0.31	15.915	15	35.8	2.60	21	35.8		C8	11969	C -3815548
36	10.2	10.0W	32 29.627	-0.0054	09	-36 11 56.29	0.008	09	0.22	29.704	15	35.8	56.40	21	35.8	F8 L	C8	11971	C -3615951
37	9.6	9.4W	32 39.479	0.0073	13	-38 45 59.16	-0.032	13	0.26	39.376	15	35.8	58.70	21	35.8	G0	C8	11972	C -3915080
38	10.7	10.1W	32 56.139	0.0214	13	-38 41 41.26	0.017	13	0.26	55.836	15	35.8	41.50	21	35.8	K1 L	C8	11973	C -3915082
39	10.6	10.3W	33 3.600	-0.0035	21	-31 22 14.59	-0.062	21	0.42	3.659	22	32.8	13.52	21	32.8	G L	C7	12662	C -3119349
40	10.0	9.8W	33 3.842	-0.0001	13	-35 14 16.18	0.030	13	0.26	3.843	15	35.8	16.60	21	35.8	F5 L	C8	11974	C -3515849
41	10.3	9.8W	33 5.120	0.0047	21	-31 39 58.83	0.035	21	0.42	5.040	22	32.8	59.44	21	32.8	G5	C7	12663	C -3217586
42		7.6T	33 8.373	0.0047	14	-39 13 48.40	-0.003	10	0.65	8.144	21	01.6	48.22	19	97.0	K0	GC	32807	C -3915084
43	10.5	9.8W	33 9.894	-0.0071	18	-38 5 38.48	-0.055	18	0.31	9.995	15	35.8	37.70	21	35.8	K1 L	C8	11976	C -3815557
44	10.1	9.4W	33 10.763	0.0020	21	-30 12 35.04	-0.061	21	0.42	10.728	22	32.8	33.99	21	32.8	G5	C7	12664	C -3019610
45		7.5T	33 22.658	0.0043	09	-30 55 22.52	-0.030	09	0.41	22.472	14	07.1	21.21	14	06.8	F5	GC	32812	C -3119351
46	9.2	8.9W	33 24.835	0.0002	21	-32 54 1.73	-0.034	21	0.42	24.832	22	32.8	1.15	21	32.8	G0	C7	12666	C -3316612
47	11.0	9.9W	33 41.529	0.0150	21	-33 29 17.89	-0.183	21	0.42	41.272	22	32.8	14.75	21	32.8	K	C7	12667	C -3316613
48	10.5	10.1W	33 52.023	-0.0128	21	-33 39 32.77	-0.159	21	0.42	52.242	22	32.8	35.16	21	32.8	F8 L	C7	12668	C -3416096
49	10.7	10.3W	33 54.927	-0.0016	18	-36 37 48.40	-0.021	18	0.31	54.905	15	35.8	48.10	21	35.8	K0 L	C8	11979	C -3715309
50	10.9	10.1W	33 55.768	-0.0001	21	-32 12 35.17	0.050	21	0.42	55.770	22	32.8	36.03	21	32.8		C7	12669	C -3217591
51	10.3	9.3W	23 33 57.032	-0.0036	21	-34 39 44.39	-0.007	21	0.42	57.093	22	32.8	44.27	21	32.8	K0 L	C7	12670	C -3515857
52	8.9	8.7W	33 59.901	-0.0024	13	-35 37 53.55	-0.067	13	0.26	59.934	15	35.8	52.60	21	35.8	F8	C8	11980	C -3615961
53	11.1	10.6W	34 3.104	-0.0014	21	-30 52 25.93	-0.047	21	0.42	3.129	22	32.8	25.12	21	32.8		C7	12671	C -3119357
54	10.2	9.8W	34 5.438	-0.0001	21	-31 31 36.73	0.035	21	0.42	5.440	22	32.8	37.33	21	32.8	F2 L	C7	12672	C -3119358
55	10.5	9.7W	34 11.960	-0.0001	21	-32 52 5.02	-0.022	21	0.42	11.962	22	32.8	4.65	21	32.8	G0	C7	12673	C -3316616
56	9.1	8.4W	34 17.304	-0.0029	21	-34 37 38.36	-0.052	21	0.42	17.353	22	32.8	37.47	21	32.8	K0	C7	12674	C -3515862
57	7.9	7.7W	34 17.769	-0.0067	06	-37 4 39.94	-0.059	06	0.20	17.675	15	35.8	39.10	21	35.8	F5	C8	11982	C -3715311
58	10.4	9.5W	34 20.187	-0.0018	21	-30 9 3.23	0.021	21	0.42	20.218	22	32.8	3.59	21	32.8	K0	C7	12675	C -3019619
59		6.5T	34 27.029	0.0037	10	-32 8 52.48	0.007	10	0.53	26.833	15	97.6	52.86	15	97.7	K0	GC	32823K	C*-3217593
60	9.2	9.0W	34 31.673	0.0002	21	-31 56 38.33	-0.023	21	0.42	31.670	22	32.8	37.94	21	32.8	F2	C7	12677	C -3217594
61	11.0	10.1W	34 42.207	-0.0079	21	-34 15 36.14	0.152	21	0.42	42.342	22	32.8	38.76	21	32.8		C7	12678	C -3416102
62	10.8	9.3W	34 42.927	-0.0079	21	-33 52 58.91	-0.032	21	0.42	43.062	22	32.8	58.36	21	32.8	MA	C7	12679	C -3416103
63	10.7	9.3W	34 44.291	-0.0065	21	-33 56 44.44	0.001	21	0.42	44.402	22	32.8	44.46	21	32.8		C7	12680	C -3416104
64	9.7	9.6W	34 46.060	0.0046	13	-35 30 16.97	-0.012	13	0.26	45.994	15	35.8	16.80	21	35.8	F5	C8	11984	C -3515864
65	10.3	9.1W	34 52.492	0.0014	21	-30 21 46.66	-0.021	21	0.42	52.468	22	32.8	46.30	21	32.8	K2	C7	12681	C -3019622
66	10.6	10.0W	34 55.438	-0.0006	21	-30 45 24.27	-0.107	21	0.42	55.449	22	32.8	22.42	21	32.8		C7	12682	C -3119363
67	9.4	9.2W	34 58.623	0.0006	18	-37 56 43.77	-0.019	18	0.31	58.615	15	35.8	43.50	21	35.8	F5	C8	11985	C -3815567
68	10.6	9.9W	35 4.679	-0.0039	13	-34 53 27.16	-0.034	13	0.26	4.734	15	35.8	26.68	21	35.8	G8 L	C8	11986	C -3515867
69	10.6	9.2W	35 5.173	-0.0007	13	-36 27 19.70	-0.056	13	0.26	5.184	15	35.8	18.90	21	35.8	K5 L	C8	11987	C -3615968
70	10.2	9.5W	35 13.045	-0.0045	21	-34 5 36.28	0.022	21	0.42	13.122	22	32.8	36.66	21	32.8	G2 L	C7	12683	C -3416107
71	11.2	10.2W	35 20.082	-0.0010	21	-31 35 6.34	-0.012	21	0.42	20.100	22	32.8	6.14	21	32.8		C7	12684	C -3119366
72	9.5	8.6W	35 20.440	0.0011	13	-36 9 18.89	0.008	13	0.26	20.424	15	35.8	19.00	21	35.8	K0	C8	11988	C -3615971
73	9.8	9.0W	35 22.888	-0.0012	21	-30 50 8.15	0.010	21	0.42	22.909	22	32.8	8.32	21	32.8	G5	C7	12685	C -3119367
74	10.7	10.0W	35 27.228	-0.0017	13	-35 16 45.64	-0.108	13	0.26	27.203	15	35.8	44.10	21	35.8	K1 L	C8	11989	C -3515869
75	9.8	9.4W	35 34.220	-0.0023	21	-32 19 26.23	-0.029	21	0.42	34.260	22	32.8	25.74	21	32.8	F8	C7	12686	C -3217604
76	9.2E	7.9Z	35 36.024	-0.0002	12	-39 53 44.79	-0.004	12	0.83	36.032	63	01.9	44.60	57	01.9	F0	CZ	20596	P -40 9855
77	9.1	8.2W	35 45.803	-0.0002	18	-38 46 0.72	-0.015	18	0.31	45.806	15	35.8	0.50	21	35.8	K0	C8	11990	C -3915100
78	10.0	9.1W	35 46.691	0.0046	13	-39 16 47.38	-0.048	13	0.26	46.626	15	35.8	46.70	21	35.8	K5	C8	11991	C -3915099
79	8.9	8.6W	35 48.644	-0.0009	21	-32 3 23.53	-0.023	21	0.42	48.660	22	32.8	23.14	21	32.8	G0 L	C7	12687	C -3217605
80	10.4	10.0W	35 48.902	0.0130	21	-30 27 37.93	0.085	21	0.42	48.678	22	32.8	39.39	21	32.8	G0	C7	12688	C -3019627
81	10.0	9.7W	35 56.795	0.0003	21	-30 54 53.42	-0.011	21	0.42	56.789	22	32.8	53.22	21	32.8	F5	C7	12689	C*-3119375
82	10.1	9.1W	35 58.846	-0.0006	18	-36 55 24.18	0.009	18	0.31	58.855	15	35.8	24.30	21	35.8	G5	C8	11992	C -3715324
83	10.3	9.9W	36 19.077	-0.0044	21	-34 13 48.93	0.019	21	0.42	19.152	22	32.8	49.26	21	32.8	G0 L	C7	12691	C -3416115
84	9.6	9.2W	36 24.839	0.0016	21	-32 34 30.70	-0.009	21	0.42	24.812	22	32.8	30.55	21	32.8	G0	C7	12692	C -3217609
85	10.4	9.4W	36 28.644	-0.0063	21	-33 59 15.85	0.012	21	0.42	28.752	22	32.8	16.06	21	32.8	K0 L	C7	12693	C -3416116
86	9.5	9.3W	36 30.781	-0.0033	13	-35 11 5.87	-0.033	13	0.26	30.733	15	35.8	5.40	21	35.8	F5	C8	11993	C -3515872
87	10.2	10.1W	36 38.100	-0.0038	13	-35 54 2.99	-0.006	13	0.26	38.154	15	35.8	2.90	21	35.8	A8 L	C8	11994	C -3615978
88	10.2	10.0W	36 41.214	-0.0049	21	-30 59 52.16	-0.025	21	0.42	41.299	22	32.8	51.72	21	32.8	F2	C7	12694	C -3119379
89	10.5	9.3W	36 43.091	-0.0023	13	-35 11 9.34	-0.024	13	0.26	43.123	15	35.8	9.00	21	35.8	K2 L	C8	11995	C -3515875
90	9.0	8.1W	36 45.760	-0.0013	21	-33 46 12.50	0.015	21	0.42	45.782	22	32.8	12.76	21	32.8	K0	C7	12695	C -3416118
91	10.5	9.5W	37 11.945	-0.0021	18	-37 21 14.20	-0.021	18	0.31	11.975	15	35.8	13.90	21	35.8	K0 L	C8	11996	C -3715333
92		7.2T	37 12.918	0.0103	10	-33 0 58.13	-0.283	11	0.54	12.427	15	02.1	44.51	15	01.8	K0	GC	32874	C -3316646
93	10.4	10.2W	37 20.641	0.0018	18	-38 31 36.41	0.035	18	0.31	20.616	15	35.8	36.90	21	35.8	F5	C8	11997	C -3815581
94	10.9	10.2W	37 26.429	0.0011	21	-30 35 30.81	0.001	21	0.42	26.409	22	32.8	30.82	21	32.8	G0 L	C7	12697	C -3119381
95	9.6	9.2W	37 33.239	0.0016	21	-32 57 27.86	-0.018	21	0.42	33.211	22	32.8	27.55	21	32.8	F8	C7	12698	C -3316648
96	10.7	10.4W	37 35.286	0.0009	21	-31 4 36.74	0.011	21	0.42	35.269	22	32.8	36.92	21	32.8	G0 L	C7	12699	C -3119382
97	11.6	10.7W	37 37.833	-0.0104	21	-33 15 19.75	-0.157	21	0.42	38.012	22	32.8	17.05	21	32.8		C7	12700	C -3316649
98	11.1	10.1W	37 40.422	0.0002	21	-30 58 39.43	0.093	21	0.42	40.419	22	32.8	41.02	21	32.8	G5 L	C7	12701	C -3119384
99	10.8	10.4W	37 45.294	0.0049	21	-32 2 45.66	-0.066	21	0.42	45.210	22	32.8	44.53	21	32.8	G2 L	C7	12702	C -3217618
00		8.7T	38 0.341	0.0071	12	-32 11 26.98	0.012	12	0.67	-59.967	19	97.6	27.62	18	97.7	G0	GC	32887	C -3217620

214700

-30° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		5.3H	23 38 0.943	-0.0073	03	-32 20 58.98	-0.050	02	0.11	1.204	05	14.1	57.24	05	15.3	K0	F4	1618	C -3217621
2	9.6	8.7W	38 3.512	-0.0030	08	-34 58 22.40	-0.023	08	0.22	3.554	15	35.8	22.08	21	35.8	G5	C8	11998	C -3515886
3	10.5	9.2W	38 8.259	-0.0055	21	-34 38 40.31	0.056	21	0.42	8.353	22	32.8	41.27	21	32.8	K L	C7	12705	C -3515887
4	9.6	8.5W	38 20.409	-0.0046	18	-37 31 3.84	-0.031	18	0.31	20.475	15	35.8	3.40	21	35.8	K2	C8	11999	C -3715335
5		7.6T	38 22.613	0.0039	16	-36 8 41.28	-0.053	14	0.74	22.431	21	03.7	38.76	21	02.6	K2	GC	32895	C -3815588
6	10.1	10.3W	38 29.747	-0.0027	13	-39 17 35.56	0.010	13	0.26	29.786	15	35.8	35.70	21	35.8	A0	C8	12001	C -3915114
7		7.2T	38 30.448	0.0092	12	-32 20 55.46	0.054	09	0.56	29.972	17	98.5	58.39	15	96.1	G5	GC	32896	C*-3217623
8	11.1	10.0W	38 33.083	-0.0021	21	-31 43 32.54	-0.024	21	0.42	33.120	22	32.8	32.13	21	32.8		C7	12707	C -3217624
9	9.5	9.5W	38 41.920	-0.0042	21	-33 50 57.85	0.018	21	0.42	41.992	22	32.8	58.16	21	32.8	A2	C7	12708	C -3416134
10	10.3	9.3W	38 48.170	0.0038	13	-39 47 54.69	-0.013	13	0.26	48.117	15	35.8	54.50	21	35.8	K0 L	C8	12002	C -4015217
11	10.4	9.4W	38 50.399	-0.0019	21	-33 22 46.57	0.005	21	0.42	50.432	22	32.8	46.65	21	32.8	K L	C7	12709	C -3316652
12	9.1	8.3W	38 52.409	-0.0043	21	-34 28 12.62	0.014	21	0.42	52.482	22	32.8	12.86	21	32.8	F2	C7	12710	C -3416136
13	8.7	8.0W	38 58.490	0.0011	18	-37 42 38.77	-0.005	18	0.31	58.475	15	35.8	38.70	21	35.8	G5	C8	12003	C -3815591
14	10.8	10.4W	39 3.351	-0.0022	21	-31 7 0.59	-0.027	21	0.42	3.369	22	32.8	0.12	21	32.8	G0 L	C7	12711	C -3119393
15	10.6	10.2W	39 5.189	-0.0019	21	-32 40 29.57	-0.077	21	0.42	5.222	22	32.8	28.25	21	32.8	G0 L	C7	12712	C -3316659
16	10.2	9.0W	39 8.633	-0.0029	13	-35 29 41.49	-0.020	13	0.26	8.673	15	35.8	41.20	21	35.8	K2 L	C8	12005	C -3515894
17	9.9	9.3W	39 16.100	0.0061	09	-36 15 16.00	-0.070	09	0.22	16.014	15	35.8	15.00	21	35.8	G5	C8	12006	C -3615990
18	9.9	9.1W	39 31.953	0.0001	21	-32 55 11.26	-0.018	21	0.42	31.951	22	32.8	10.95	21	32.8	G5	C7	12714	C -3316660
19	11.2	10.7W	39 40.205	0.0027	21	-30 42 57.76	0.027	21	0.42	40.159	22	32.8	58.22	21	32.8		C7	12715	C -3119396
20	8.7	8.4W	39 43.661	0.0046	13	-39 29 51.69	-0.006	13	0.26	43.596	15	35.8	51.60	21	35.8	F8	C8	12008	C -3915119
21	10.4	10.3W	40 1.430	-0.0028	21	-31 23 44.58	0.020	21	0.42	1.479	22	32.8	44.92	21	32.8	A2	C7	12716	C -3119399
22	9.9	9.9W	40 5.630	-0.0032	13	-35 58 10.50	0.000	13	0.26	5.674	15	35.8	10.50	21	35.8	F5	C8	12009	C -3615994
23	9.0	8.7W	40 8.367	-0.0083	21	-31 30 38.83	-0.186	21	0.42	8.510	22	32.8	35.64	21	32.8	G0	C7	12717	C -3119404
24	10.4	9.9W	40 9.874	0.0002	21	-30 54 16.84	-0.065	21	0.42	9.869	22	32.8	15.72	21	32.8	G5	C7	12718	C -3119405
25	10.9	10.0W	40 14.359	-0.0041	21	-31 30 52.85	-0.042	21	0.42	14.430	22	32.8	52.13	21	32.8	G0 L	C7	12719	C -3119406
26	10.3	9.8W	40 19.958	-0.0051	21	-30 37 15.91	-0.022	21	0.43	20.049	22	32.3	15.52	21	32.3	G5	C7	12720	C -3119407
27	9.6	9.2W	40 27.201	0.0045	21	-33 4 26.03	-0.033	21	0.43	27.121	22	32.3	25.45	21	32.3	F5	C7	12721	C -3316664
28	10.7	10.2W	40 28.962	-0.0015	21	-31 17 49.45	-0.024	21	0.43	28.989	22	32.3	49.02	21	32.3	G5 L	C7	12722	C -3119410
29		7.5T	40 29.312	0.0009	12	-37 3 44.54	0.024	12	0.64	29.266	19	00.7	45.74	19	99.4	A5	GC	32937	C -3715353
30	10.3	8.9W	40 31.391	0.0039	21	-32 49 48.91	-0.043	21	0.43	31.322	22	32.3	48.15	21	32.3	K2	C7	12723	C -3316666
31	9.6	9.5W	40 31.638	0.0038	06	-37 41 2.11	0.028	06	0.20	31.585	15	35.8	2.50	21	35.8	G0	C8	12011	C -3815595
32	9.6	9.2W	40 32.062	0.0019	13	-38 58 55.03	-0.030	13	0.26	32.036	15	35.8	54.66	21	35.8	G0	C8	12012	C -3915125
33	11.2	10.2W	40 37.374	-0.0021	21	-32 40 15.54	-0.113	21	0.43	37.411	22	32.3	13.55	21	32.3	K L	C7	12724	C -3316668
34	9.8	9.2W	40 42.021	0.0012	21	-32 8 56.94	-0.040	21	0.43	42.000	22	32.3	56.24	21	32.3	G5	C7	12725	C -3217636
35		7.1T	40 45.301	-0.0000	12	-33 21 35.62	-0.019	11	0.61	45.303	17	99.6	34.58	17	94.8	K0	GC	32943	C -3316671
36	10.5	9.6W	40 45.531	0.0018	18	-38 35 38.31	-0.029	18	0.31	45.506	15	35.8	37.90	21	35.8	K2	C8	12013	C -3915128
37	11.2		40 48.444	0.0246	18	-35 32 39.93	-0.165	18	0.31	48.094	15	35.8	37.30	21	35.8	K0 L	C8	12014	C -3515901
38	10.2	9.6W	40 51.871	0.0006	21	-31 13 47.68	0.042	21	0.43	51.859	22	32.3	48.42	21	32.3	G5	C7	12727	C -3119414
39	10.6	9.3W	41 5.556	0.0004	21	-31 52 19.66	0.004	21	0.43	5.550	22	32.3	19.74	21	32.3	K5	C7	12728	C -3217641
40	10.3	9.5W	41 10.588	-0.0006	21	-30 39 0.54	-0.018	21	0.43	10.599	22	32.3	0.22	21	32.3	K0	C7	12729	C -3119418
41		6.9T	41 14.761	-0.0037	13	-33 42 18.26	-0.009	11	0.67	14.950	19	99.1	17.77	18	94.7	F5	GC	32950	C*-3416150
42	9.8	9.5W	41 30.202	-0.0072	06	-36 31 32.80	-0.063	06	0.20	30.305	15	35.8	31.90	21	35.8	G0	C8	12015	C -3616005
43	10.1	9.2W	41 35.554	0.0007	18	-37 23 35.40	0.000	18	0.31	35.545	15	35.8	35.40	21	35.8	K	C8	12017	C -3715358
44	11.3	10.4W	41 40.342	-0.0009	13	-36 40 29.96	-0.018	13	0.26	40.355	15	35.8	29.70	21	35.8		C8	12018	C -3715359
45	10.1	9.3W	42 0.465	-0.0032	21	-33 7 56.62	-0.044	21	0.43	0.522	22	32.3	55.85	21	32.3	G5	C7	12731	C -3316677
46	9.2	9.0W	42 1.954	-0.0002	13	-39 47 11.74	-0.045	13	0.26	1.957	15	35.8	11.10	21	35.8	F5	C8	12020	C -4015231
47	10.7	9.9W	42 4.480	0.0001	21	-30 3 20.31	0.050	21	0.43	4.478	22	32.3	21.19	21	32.3	G2 L	C7	12732	C -3019671
48	10.0	9.0W	42 11.705	0.0002	21	-33 9 31.65	-0.023	21	0.43	11.701	22	32.3	31.25	21	32.3	K0	C7	12733	C -3316679
49		7.8T	42 15.340	0.0032	17	-38 36 37.25	-0.001	13	0.74	15.190	18	03.3	37.19	19	00.9	F0	GC	32968K	C*-3915137
50	10.7	10.0W	42 30.607	-0.0117	21	-34 35 39.71	-0.087	21	0.43	30.813	22	32.3	38.17	21	32.3	G L	C7	12734	C -3515914
51	11.2	10.1W	23 42 38.239	-0.0076	21	-34 40 9.03	0.019	21	0.43	38.373	22	32.3	9.37	21	32.3		C7	12735	C -3515916
52	11.8	10.4W	42 43.538	-0.0017	21	-30 37 55.81	0.012	21	0.43	43.569	22	32.3	56.02	21	32.3		C7	12736	C -3119432
53	10.5	10.2W	42 44.153	-0.0015	21	-31 30 42.49	0.008	21	0.43	44.180	22	32.3	42.63	21	32.3	G0 L	C7	12737	C -3119433
54	9.5	9.2W	42 44.178	-0.0040	21	-30 48 39.33	-0.040	21	0.43	44.249	22	32.3	38.61	21	32.3	F5	C7	12738	C -3119434
55	9.5	9.4W	42 48.807	0.0023	13	-35 15 32.96	-0.039	13	0.26	48.773	15	35.8	32.40	21	35.8	F5	C8	12022	C -3515919
56	9.6	9.2W	42 56.633	-0.0020	21	-30 47 33.02	0.068	21	0.43	56.669	22	32.3	34.22	21	32.3	F8	C7	12739	C -3119438
57	10.0	10.0W	43 0.990	-0.0038	18	-37 23 52.92	0.013	18	0.31	1.045	15	35.8	53.10	21	35.8	F8	C8	12023	C -3715365
58	10.5	10.0W	43 6.966	0.0010	21	-30 5 55.01	-0.001	21	0.43	6.948	22	32.3	54.99	21	32.3	G0 L	C7	12740	C -3019676
59	8.2	8.3W	43 15.981	-0.0006	21	-33 12 19.43	-0.050	21	0.43	15.992	22	32.3	18.55	21	32.3	A2	C7	12741	C -3316688
60		8.4T	43 22.341	0.0011	12	-38 15 12.78	0.023	11	0.60	22.288	15	02.5	13.90	18	00.7	F0	GC	32982	C -3815615
61	10.5	10.2W	43 45.620	-0.0032	18	-38 38 26.40	-0.063	18	0.31	45.666	15	35.8	25.50	21	35.8	G2 L	C8	12026	C -3915147
62	11.4	10.3W	43 57.233	0.0012	21	-33 29 26.33	-0.005	21	0.43	57.211	22	32.3	26.25	21	32.3		C7	12742	C -3316694
63	11.4	10.6W	44 1.508	0.0095	21	-30 47 3.24	0.084	21	0.43	1.539	22	32.3	4.72	21	32.3		C7	12743	C -3119441
64	9.7	9.5W	44 4.476	0.0015	13	-36 9 13.23	0.012	13	0.26	4.454	15	35.8	13.40	21	35.8	F5	C8	12027	C -3616029
65	10.2	9.3W	44 8.236	-0.0030	21	-32 16 44.18	-0.037	21	0.43	8.290	22	32.3	43.53	21	32.3	G5	C7	12744	C -3217662
66	9.7	10.0W	44 9.441	-0.0009	18	-36 16 18.27	-0.012	18	0.31	9.454	15	35.8	18.10	21	35.8	A0	C8	12028	C -3616030
67	11.1	10.8W	44 14.227	0.0150	21	-32 39 57.88	-0.019	21	0.43	13.962	22	32.3	57.55	21	32.3		C7	12745	C -3316699
68	10.2	9.4W	44 18.864	0.0093	21	-32 15 32.72	-0.073	21	0.43	18.700	22	32.3	31.43	21	32.3	G5	C7	12746	C -3217664
69	9.9	9.3W	44 21.412	0.0025	21	-30 8 52.78	-0.005	21	0.43	21.368	22	32.3	52.69	21	32.3	G5	C7	12747	C -3019683
70	10.5	9.9W	44 29.954	-0.0020	21	-32 11 15.07	-0.042	21	0.43	29.990	22	32.3	14.33	21	32.3	F5 L	C7	12748	C -3217666
71	9.0	9.1W	44 38.313	-0.0048	21	-30 42 49.79	0.036	21	0.43	38.399	22	32.3	50.42	21	32.3	A0	C7	12749	C -3119445
72	10.1	9.8W	44 39.103	0.0008	21	-31 35 40.37	-0.042	21	0.43	39.090	22	32.3	39.63	21	32.3	F5	C7	12750	C -3217668
73	10.2	9.2W	44 40.762	0.0040	21	-32 41 16.60	-0.009	21	0.43	40.692	22	32.3	16.45	21	32.3	K0	C7	12751	C -3316703
74	10.5	9.6W	44 44.957	-0.0024	21	-31 37 49.51	-0.061	21	0.43	45.000	22	32.3	48.44	21	32.3	K0 L	C7	12752	C -3217669
75	10.0	9.9W	44 49.646	-0.0030	21	-31 44 20.33	-0.023	21	0.43	49.700	22	32.3	19.93	21	32.3	A0	C7	12753	C -3217672
76		7.9T	44 54.358	0.0065	12	-38 26 2.67	0.008	10	0.58	54.044	18	01.9	3.07	17	98.9	G5	GC	33017	C -3815626
77	10.6	9.7W	44 56.727	-0.0048	13	-35 53 56.22	0.006	13	0.26	56.794	15	35.8	56.30	21	35.8	K2 L	C8	12031	C -3616038
78	10.8		45 7.442	-0.0016	23	-36 57 16.24	-0.059	23	0.37	7.465	15	35.8	15.40	21	35.8	G5 L	C8	12032	C -3715379
79	10.3	9.8W	45 17.131	0.0012	09	-37 23 53.93	-0.037	09	0.22	17.115	15	35.8	53.40	21	35.8	G5 L	C8	12033	C -3715382
80	9.4	8.6W	45 19.573	0.0005	21	-34 35 12.08	-0.001	21	0.43	19.563	22	32.3	12.06	21	32.3	G5	C7	12755	C -3515938
81	10.9	10.4W	45 26.683	0.0018	21	-33 29 11.70	-0.020	21	0.43	26.652	22	32.3	11.35	21	32.3	F8 L	C7	12756	C -3316708
82		9.5T	45 35.555	0.0038	17	-38 17 59.56	-0.013	13	0.73	35.381	21	04.5	58.92	19	01.4	F5	GC	33034	C -3815630
83	10.0	9.5W	45 38.730	-0.0001	21	-33 3 15.23	-0.039	21	0.43	38.732	22	32.3	14.55	21	32.3	F8	C7	12757	C -3316710
84	10.3	9.8W	45 46.960	0.0085	21	-32 19 10.14	-0.012	21	0.43	46.830	22	32.3	9.93	21	32.3	G5	C7	12758	C -3217678
85	9.7	8.7W	45 57.865	0.0049	13	-39 22 33.94	-0.024	13	0.26	57.766	15	35.8	33.60	21	35.8	K5	C8	12036	C -3915157
86	9.8	8.8W	46 2.568	-0.0001	21	-32 26 29.31	-0.027	21	0.43	2.570	22	32.3	28.83	21	32.3	K2	C7	12759	C -3217680
87	11.3		46 4.515	-0.0021	18	-34 55 3.82	-0.010	18	0.31	4.544	15	35.8	3.68	21	35.8	G2 L	C8	12037	C -3515946
88	10.6	9.6W	46 9.075	-0.0021	13	-36 30 21.51	-0.036	13	0.26	9.105	15	35.8	21.00	21	35.8	K2 L	C8	12038	C -3616043
89	11.5	10.5W	46 10.802	0.0019	21	-30 37 19.37	-0.031	21	0.43	10.769	22	32.3	18.82	21	32.3	G0 L	C7	12760	C -3119456
90	9.6	9.0W	46 17.427	-0.0032	21	-34 40 29.45	-0.061	21	0.43	17.483	22	32.3	28.36	21	32.3	G5	C7	12761	C -3515947
91	10.5	9.9W	46 18.336	0.0002	23	-35 43 49.06	-0.032	23	0.37	18.334	15	35.8	48.60	21	35.8	K5	C8	12039	C -3616045
92	10.5	9.2W	46 21.071	0.0016	21	-34 20 55.46	-0.000	21	0.43	21.042	22	32.3	55.46	21	32.3	K0	C7	12762	C -3416185
93	10.6	10.2W	46 26.125	-0.0030	21	-30 50 52.80	-0.010	21	0.43	26.179	22	32.3	52.62	21	32.3	G0 L	C7	12763	C -3119457
94	11.1	10.3W	46 33.219	0.0003	21	-34 46 8.62	-0.133	21	0.43	33.213	22	32.3	6.26	21	32.3	G L	C7	12764	C -3515948
95	11.6	10.7W	46 34.622	-0.0009	21	-30 52 25.34	-0.046	21	0.43	34.639	22	32.3	24.52	21	32.3		C7	12765	C -3119458
96	10.9	10.1W	46 45.673	-0.0038	21	-30 56 8.05	-0.007	21	0.43	45.739	22	32.3	7.92	21	32.3	G2 L	C7	12766	C -3119460
97	9.2	8.1W	46 56.653	-0.0026	21	-31 40 51.52	0.023	21	0.43	56.700	22	32.3	51.94	21	32.3	K0	C7	12767	C -3217682
98	11.0	10.0W	47 10.898	-0.0024	21	-31 23 40.97	-0.020	21	0.43	10.939	22	32.3	40.62	21	32.3	K L	C7	12768	C -3119461
99	8.9	8.5W	47 16.226	-0.0134	10	-39 15 25.59	-0.274	10	0.23	16.416	15	35.8	21.70	21	35.8	G0	C8	12042	C -3915167
00	10.4	10.0W	47 26.727	-0.0012	18	-38 15 39.16	-0.279	18	0.31	26.745	15	35.8	35.20	21	35.8	G2 L	C8	12043	C -3815638

214800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -30° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.5	8.9W	23 47 27.099	0.0023	21	-30 5 17.37	-0.004	21	0.43	27.058	22	32.3	17.29	21	32.3	K5	C7	12769	C -3019705
2	8.5	8.4W	47 28.059	-0.0004	18	-37 36 24.16	-0.011	18	0.31	28.065	15	35.8	24.00	21	35.8	F2	C8	12044	C -3815639
3	9.9	9.0W	47 36.662	-0.0029	21	-34 43 47.68	0.016	21	0.43	36.713	22	32.3	47.97	21	32.3	K0	C7	12775	C -3515959
4	9.8	9.2W	47 38.650	0.0022	21	-32 46 54.39	-0.042	21	0.43	38.611	22	32.3	53.65	21	32.3	G0	C7	12771	C -3316720
5	10.0	8.4W	47 45.391	-0.0009	13	-36 15 15.93	-0.030	13	0.26	45.404	15	35.8	15.50	21	35.8	K2	C8	12045	C -3616051
6	10.7	10.2W	47 48.962	-0.0010	21	-32 22 37.18	-0.031	21	0.43	48.980	22	32.3	36.63	21	32.3		C7	12772	C -3217691
7	9.7	9.7W	48 2.413	-0.0050	13	-35 51 31.71	-0.071	13	0.26	2.484	15	35.8	30.70	21	35.8	F0	C8	12046	C -3616054
8	9.7	9.4W	48 9.248	-0.0006	21	-30 12 41.83	-0.030	21	0.43	9.258	22	32.3	41.29	21	32.3	F8	C7	12773	C -3019706
9	9.4	9.2W	48 13.576	0.0035	13	-39 41 4.04	-0.003	13	0.26	13.527	15	35.8	4.00	21	35.8	G0	C8	12047	C -4015267
10	8.9	8.8W	48 19.866	0.0043	18	-37 10 2.25	0.004	18	0.31	19.805	15	35.8	2.30	21	35.8	F0	C8	12048	C -3715401
11	9.2	8.9W	48 20.519	-0.0087	21	-33 50 24.84	0.012	21	0.43	20.672	22	32.3	25.06	21	32.3	F8	C7	12774	C -3416198
12	10.2	9.7W	48 24.759	0.0028	21	-32 8 48.88	-0.031	21	0.43	24.710	22	32.3	48.34	21	32.3	F5 L	C7	12775	C -3217696
13	10.4	10.3W	48 39.280	-0.0018	18	-38 33 55.64	-0.038	18	0.31	39.306	15	35.8	55.10	21	35.8	F8 L	C8	12049	C -3815649
14	11.0	10.1W	48 39.606	-0.0059	21	-31 5 43.49	0.064	21	0.43	39.709	22	32.3	44.62	21	32.3		C7	12776	C -3119473
15	9.7	9.0W	48 44.108	0.0000	21	-30 14 45.23	-0.036	21	0.43	44.108	22	32.3	44.59	21	32.3	K2	C7	12777	C -3019710
16	8.4	7.9W	48 45.798	-0.0181	06	-36 18 39.96	-0.145	06	0.20	46.054	15	35.8	37.90	21	35.8	G0	C8	12050	C -3616060
17	10.7	9.8W	48 46.654	-0.0028	13	-35 53 11.23	-0.023	13	0.26	46.694	15	35.8	10.90	21	35.8	K0 L	C8	12051	C -3616059
18	10.7	10.1W	48 47.425	0.0020	21	-31 53 46.49	0.002	21	0.43	47.390	22	32.3	46.53	21	32.3	G0 L	C7	12778	C -3217698
19	9.7	9.5W	48 51.937	-0.0066	21	-34 45 56.61	-0.042	21	0.43	52.053	22	32.3	55.87	21	32.3	F5	C7	12779	C -3515970
20		7.6T	48 52.459	0.0027	15	-32 42 30.69	0.023	13	0.72	52.326	18	01.6	31.87	18	99.2	F0	GC	33097K	C -3316729
21	10.0	10.0W	48 58.137	-0.0012	13	-36 6 42.03	0.069	13	0.26	58.154	15	35.8	43.00	21	35.8	F2	C8	12053	C -3616061
22	11.5	9.9W	48 59.369	-0.0006	21	-32 11 54.99	0.025	21	0.43	59.380	22	32.3	55.43	21	32.3		C7	12781	C -3217701
23	9.4	9.0W	49 2.334	0.0134	13	-37 15 40.88	-0.062	13	0.26	2.145	15	35.8	40.00	21	35.8	G5	C8	12054	C -3715409
24		6.7T	49 3.315	0.0053	07	-34 58 9.86	-0.022	06	0.29	3.090	09	07.8	8.90	10	96.2	G5	GC	33101	C*-3515973
25	10.8	10.0W	49 4.921	0.0255	21	-30 42 29.66	-0.251	21	0.43	4.469	22	32.3	25.22	21	32.3	G5 L	C7	12782	C -3119475
26	9.5	9.5W	49 7.210	0.0053	13	-37 22 29.31	-0.008	13	0.26	7.135	15	35.8	29.20	21	35.8	A0	C8	12056	C -3715410
27		8.0Q	49 13.074	-0.0029	16	-33 43 53.58	0.073	12	0.71	13.215	17	01.9	57.31	18	99.0	G5	GC	33106	C -3416205
28	11.3	10.4W	49 13.673	-0.0054	21	-35 57 18.30	-0.044	21	0.43	13.769	22	32.3	17.52	21	32.3		C7	12784	C -3119477
29		7.0T	49 19.157	0.0030	12	-33 24 0.06	0.018	12	0.64	19.007	18	99.2	1.02	18	97.4	K0	GC	33108	C -3316732
30	9.8	9.3W	49 21.176	-0.0020	21	-32 46 17.87	-0.058	21	0.43	21.211	22	32.3	16.85	21	32.3	G0	C7	12786	C -3316733
31	9.6	9.5W	49 24.057	-0.0006	13	-39 8 9.91	0.021	13	0.26	24.066	15	35.8	10.20	21	35.8	F0	C8	12057	C -3915180
32	10.2	9.5W	49 25.462	0.0024	21	-31 39 11.55	-0.080	21	0.43	25.420	22	32.3	10.13	21	32.3	G2 L	C7	12787	C -3217703
33	9.1	8.6W	49 32.042	0.0182	21	-31 21 13.96	0.009	21	0.43	31.719	22	32.3	14.12	21	32.3	G0	C7	12788	C -3119478
34	10.8		49 51.395	-0.0021	18	-36 43 27.38	0.009	18	0.31	51.425	15	35.8	27.50	21	35.8	F5 L	C8	12058	C -3715412
35	10.4	9.9W	49 51.470	-0.0088	08	-34 55 12.09	-0.001	08	0.22	51.594	15	35.8	12.08	21	35.8	G	C8	12059	C -3515980
36	9.5	8.2W	49 56.784	-0.0044	21	-34 22 41.38	-0.035	21	0.43	56.862	22	32.3	40.76	21	32.3	K2	C7	12789	C -3416212
37	10.0	9.7W	50 5.851	0.0012	21	-31 15 38.13	-0.023	21	0.43	5.829	22	32.3	37.71	21	32.3	F5	C7	12790	C -3119480
38	10.6	10.3W	50 13.774	-0.0014	13	-36 6 44.35	0.032	13	0.26	13.794	15	35.8	44.80	21	35.8	F8 L	C8	12060	C -3616070
39	10.7	10.0W	50 35.614	-0.0038	21	-32 46 11.36	-0.108	21	0.43	35.682	22	32.3	9.45	21	32.3	G2 L	C7	12791	C -3316748
40	10.6	9.8W	50 54.568	-0.0040	13	-34 56 12.49	-0.008	13	0.26	54.624	15	35.8	12.38	21	35.8	G5	C8	12064	C -3515985
41	10.4	10.1W	51 19.940	-0.0003	18	-37 48 43.31	0.014	18	0.31	19.945	15	35.8	43.50	21	35.8	F5 L	C8	12065	C -3815667
42	10.8	10.5W	51 20.379	0.0024	18	-35 50 35.46	-0.053	18	0.31	20.344	15	35.8	34.70	21	35.8	G2 L	C8	12066	C -3616077
43	8.6	8.8W	51 20.469	0.0010	13	-37 41 10.50	-0.021	13	0.26	20.455	15	35.8	10.20	21	35.8	A0	C8	12067	C -3815668
44		7.7T	51 22.321	-0.0041	13	-30 38 5.46	-0.032	12	0.69	22.531	17	98.5	3.72	18	96.4	F5	GC	33152	C*-3119492
45	10.2	9.1W	51 24.823	0.0013	21	-32 4 19.02	-0.049	21	0.44	24.800	22	31.8	18.13	21	31.8	K2	C7	12793	C -3217714
46	10.0	9.9W	51 28.967	0.0023	08	-37 44 16.74	-0.017	08	0.22	28.935	15	35.8	16.50	21	35.8	F5 L	C8	12068	C -3815669
47	9.7	8.9W	51 47.328	0.0022	21	-31 17 4.03	-0.006	21	0.44	47.289	22	31.8	3.92	21	31.8	K0	C7	12795	C -3119497
48	10.7	9.9W	51 47.354	0.0305	21	-31 34 41.44	-0.127	21	0.44	46.800	22	31.8	39.13	21	31.8	K2 L	C7	12794	C -3119496
49	10.1	9.6W	51 47.952	0.0002	21	-30 29 28.65	-0.003	21	0.44	47.948	22	31.8	28.59	21	31.8	G2 L	C7	12796	C -3019734
50	10.5	10.4W	51 48.488	-0.0012	21	-31 18 1.81	0.001	21	0.44	48.509	22	31.8	1.82	21	31.8		C7	12797	C -3119498
51	9.2	8.9W	23 51 53.581	0.0011	21	-32 44 59.11	-0.009	21	0.44	53.561	22	31.8	58.95	21	31.8	F5	C7	12798	C -3316755
52	10.0	9.4W	52 0.679	-0.0073	21	-33 24 50.25	-0.039	21	0.44	0.811	22	31.8	49.55	21	31.8	G5 L	C7	12799	C -3316757
53	10.8	9.7W	52 1.616	-0.0026	21	-34 41 44.63	-0.031	21	0.44	1.663	22	31.8	44.07	21	31.8	K	C7	12800	C -3515991
54	10.3	9.7W	52 3.884	0.0197	09	-37 54 18.64	-0.052	09	0.22	3.605	15	35.8	17.90	21	35.8	G8 L	C8	12069	C -3815670
55		9.9W	52 4.982	-0.0020	21	-31 2 49.01	-0.049	21	0.44	5.019	22	31.8	48.12	21	31.8		C7	12801	C -3119504
56	9.2	9.1W	52 8.475	-0.0125	21	-33 55 12.77	-0.100	21	0.44	8.702	22	31.8	10.95	21	31.8	G0	C7	12802	C -3416228
57	10.0	9.1W	52 12.150	0.0025	18	-38 22 15.99	-0.013	18	0.31	12.115	15	35.8	15.80	21	35.8	G5	C8	12070	C -3815671
58	10.2	10.0W	52 15.314	-0.0014	21	-31 38 29.28	-0.025	21	0.44	15.340	22	31.8	28.83	21	31.8	F8	C7	12803	C -3217719
59		7.5T	52 29.673	-0.0056	11	-37 38 34.55	-0.032	10	0.57	29.946	15	01.0	32.89	15	98.5	F5	GC	33170K	C*-3815674
60		6.0T	52 41.622	0.0011	06	-32 11 59.26	0.007	05	0.26	41.573	09	07.0	59.59	09	05.1	B3	GC	33175	C*-3217723
61		6.7T	52 41.682	0.0002	11	-32 9 45.21	0.013	10	0.57	41.669	18	98.9	45.92	17	97.0	A	GC	33176	C -3217724
62	10.8	9.8W	53 1.719	-0.0063	21	-34 30 35.32	0.030	21	0.44	1.833	22	31.8	35.87	21	31.8		C7	12806	C -3416235
63		8.4T	53 5.423	-0.0004	11	-38 20 39.85	0.045	09	0.44	5.438	15	11.0	41.68	15	09.1	K0	GC	33186	C -3815679
64	10.9	9.7W	53 5.585	0.0001	13	-36 20 45.62	-0.051	13	0.26	5.584	15	35.8	44.90	21	35.8	K5 L	C8	12075	C -3616096
65		10.5W	53 7.662	0.0199	21	-31 22 31.83	-0.061	21	0.44	7.299	22	31.8	30.72	21	31.8		C7	12807	C -3119511
66	11.3		53 30.269	0.0010	18	-36 44 39.05	-0.067	18	0.31	30.255	15	35.8	38.10	21	35.8	F8 L	C8	12076	C -3715432
67	10.1	9.2W	53 32.247	0.0009	10	-37 55 29.16	0.003	10	0.23	32.235	15	35.8	29.20	21	35.8	G5	C8	12077	C -3815680
68		8.3T	53 34.730	0.0166	13	-39 19 40.95	-0.181	12	0.68	33.907	21	00.5	31.41	19	97.4	K0	GC	33197	C -3915200
69	10.4	9.4W	53 47.862	-0.0088	21	-34 21 8.88	0.004	21	0.44	48.022	22	31.8	8.95	21	31.8	K L	C7	12808	C -3416240
70	10.5	10.2W	53 50.704	-0.0036	21	-31 59 5.76	0.015	21	0.44	50.770	22	31.8	6.03	21	31.8	G0 L	C7	12809	C -3217735
71	10.5	9.8W	53 54.403	-0.0014	21	-30 3 41.77	0.056	21	0.44	54.428	22	31.8	42.79	21	31.8	G2 L	C7	12810	C -3019743
72	11.0	10.3W	53 56.310	-0.0052	13	-35 1 0.77	-0.012	13	0.26	56.383	15	35.8	0.60	21	35.8	G8 L	C8	12079	C -3515998
73	11.3		53 57.898	-0.0046	23	-36 27 36.77	-0.054	23	0.37	57.964	15	35.8	36.00	21	35.8	G5 L	C8	12080	C -3616101
74		10.0W	54 6.025	-0.0019	21	-31 14 7.32	-0.033	21	0.44	6.059	22	31.8	6.72	21	31.8		C7	12811	C -3119516
75	10.4	10.2W	54 6.357	-0.0008	21	-33 20 20.06	-0.023	21	0.44	6.371	22	31.8	19.65	21	31.8	G0 L	C7	12812	C -3316773
76		7.4T	54 54.062	0.0011	11	-36 59 2.71	-0.032	11	0.57	54.008	15	01.9	1.15	17	01.7	K0	GC	33220	C*-3715436
77	9.9E	9.4Z	54 59.260	0.0016	12	-39 57 24.98	-0.021	12	0.83	59.180	63	01.9	23.97	57	01.9	A0	CZ	20781	F -40 9896
78		6.9T	55 3.662	0.0093	11	-33 28 2.78	0.043	12	0.64	3.150	17	95.3	5.15	15	95.3	F5	GC	33226	C -3316780
79	10.4	10.3W	55 4.443	0.0008	21	-30 6 48.42	0.004	21	0.44	4.428	22	31.8	48.49	21	31.8	F5 L	C7	12815	C -3019753
80	9.3	8.8W	55 16.086	-0.0079	21	-30 43 25.69	-0.218	21	0.44	16.229	22	31.8	21.72	21	31.8	G5	C7	12816	C -3119526
81	10.4	9.5W	55 17.821	0.0019	18	-37 44 9.86	0.031	18	0.31	17.795	15	35.8	10.30	21	35.8	K0 L	C8	12082	C -3815692
82	8.7	8.5W	55 20.238	0.0059	13	-37 22 39.49	0.029	13	0.26	20.155	15	35.8	39.90	21	35.8	F8	C8	12083	C -3715438
83		7.0T	55 24.459	0.0024	14	-39 13 57.55	0.017	12	0.69	24.340	18	00.8	58.43	18	97.0	K2	GC	33234	C -3915210
84	10.1	10.0W	55 26.052	-0.0089	21	-34 36 56.23	-0.009	21	0.44	26.213	22	31.8	56.07	21	31.8	F8 L	C7	12817	C -3516005
85	9.3	9.2W	55 33.953	0.0023	21	-33 24 39.27	0.026	21	0.44	33.911	22	31.8	39.75	21	31.8	F5	C7	12818	C -3316786
86	9.6	8.4W	55 44.590	-0.0031	13	-37 50 10.07	-0.033	13	0.26	44.635	15	35.8	9.60	21	35.8	K0	C8	12085	C -3815694
87	10.1	10.1W	55 45.410	0.0004	21	-34 12 26.34	-0.005	21	0.44	45.402	22	31.8	26.25	21	31.8	G0 L	C7	12819	C -3416249
88	10.1	10.1W	55 45.719	0.0006	21	-30 33 33.11	0.034	21	0.44	45.709	22	31.8	33.72	21	31.8	F0 L	C7	12820	C -3019758
89	9.1	9.0W	55 50.471	0.0005	18	-37 42 42.39	-0.006	18	0.31	50.465	15	35.8	42.30	21	35.8	F0	C8	12086	C -3815696
90	9.2	8.4W	55 54.928	-0.0025	21	-34 33 50.04	-0.037	21	0.44	54.973	22	31.8	49.37	21	31.8	K0	C7	12821	C -3416251
91	10.2	9.5W	56 2.135	0.0001	21	-34 34 35.76	-0.005	21	0.44	2.133	22	31.8	35.66	21	31.8	K	C7	12822	C -3516008
92		7.8T	56 7.718	0.0069	15	-38 30 13.78	0.005	12	0.68	7.390	18	02.6	14.01	19	99.9	F2	GC	33250	C -3815698
93	9.3	8.5W	56 14.525	-0.0030	21	-31 45 30.33	-0.072	21	0.44	14.580	22	31.8	29.63	21	31.8	K0 L	C7	12823	C -3217753
94	10.3	10.0W	56 20.935	0.0001	13	-35 30 55.30	-0.063	13	0.26	20.934	15	35.8	54.40	21	35.8	G0 L	C8	12090	C -3516012
95	9.7	9.5W	56 24.392	0.0112	21	-30 11 34.09	-0.071	21	0.44	24.188	22	31.8	32.79	21	31.8	G0	C7	12824	C -3019762
96	10.0	9.6W	56 43.081	-0.0011	06	-39 46 47.95	-0.088	06	0.20	43.097	15	35.8	46.70	21	35.8	G0	C8	12092	C -4015301
97	10.0	9.6W	56 43.190	-0.0038	18	-36 19 13.35	-0.130	18	0.31	43.244	15	35.8	11.50	21	35.8	G	C8	12093	C -3616122
98	10.7	10.6W	56 55.874	-0.0126	21	-34 44 22.60	0.009	21	0.44	56.103	22	31.8	22.76	21	31.8		C7	12825	C -3516017
99		7.3T	57 0.351	0.0007	16	-31 58 2.17	0.043	13	0.76	0.314	19	00.7	4.45	18	97.3	F2	GC	33271	C*-3217761
00	10.9	10.5W	57 1.110	-0.0032	21	-30 8 40.61	-0.001	21	0.44	1.168	22	31.8	40.59	21	31.8		C7	12827	C -3019766

214900 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -30° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.3	9.8W	23 57 1.404	0.0035	13	-35 18 36.47	-0.005	13	0.26	1.353	15	35.8	36.40	21	35.8	K0 L	C8	12094	C -3516019
2	9.8	9.0W	57 7.759	0.0011	13	-35 16 33.58	0.058	13	0.26	7.743	15	35.8	34.40	21	35.8	G5	C8	12095	C -3516020
3	10.9	10.8W	57 10.560	-0.0033	21	-31 1 29.25	-0.051	21	0.44	10.619	22	31.8	28.32	21	31.8	G L	C7	12829	C -3119542
4	9.0	8.3W	57 10.588	0.0010	21	-32 29 19.77	-0.052	21	0.44	10.570	22	31.8	18.83	21	31.8	G5	C7	12828	C -3217763
5	10.2	9.2W	57 15.550	-0.0017	18	-38 8 11.16	-0.032	18	0.31	15.575	15	35.8	10.70	21	35.8	K0 L	C8	12096	C -3815704
6	10.4	10.0W	57 16.572	0.0005	18	-36 41 52.82	-0.022	18	0.31	16.565	15	35.8	52.50	21	35.8	F8 L	C8	12097	C -3715450
7	10.4	9.5W	57 17.492	-0.0058	13	-35 21 11.72	0.006	13	0.26	17.573	15	35.8	11.80	21	35.8	G5	C8	12098	C -3516022
8		8.5T	57 35.782	-0.0014	15	-36 14 19.89	-0.013	12	0.69	35.855	19	02.2	19.21	18	98.7	K5	GC	33287	C -3616128
9		8.8T	57 39.363	0.0020	20	-36 16 17.92	-0.038	20	0.92	39.274	22	04.9	16.18	22	04.6	K5	GC	33291	C -3616129
10	10.0	9.6W	57 43.767	0.0002	13	-36 11 59.67	-0.068	13	0.26	43.764	15	35.8	58.70	21	35.8	G5	C8	12101	C -3616130
11	10.0	10.2W	57 46.101	0.0024	13	-39 40 38.27	-0.012	13	0.26	46.067	15	35.8	38.10	21	35.8	B5 L	C8	12102	C -4015307
12	10.4	10.2W	58 0.459	-0.0032	18	-37 38 29.99	0.001	18	0.31	0.505	15	35.8	30.00	21	35.8	F8 L	C8	12103	C -3815705
13	10.3	9.9W	58 0.659	0.0025	13	-35 0 25.61	-0.008	13	0.26	0.623	15	35.8	25.50	21	35.8	G0	C8	12104	C -3516026
14		10.4W	58 7.813	-0.0009	21	-31 30 31.84	-0.072	21	0.44	7.835	22	31.8	30.53	21	31.8		C7	12830	C -3119555
15	10.2	10.0W	58 8.266	-0.0058	21	-32 50 12.54	-0.033	21	0.44	8.371	22	31.8	12.06	21	31.8	G0	C7	12831	C -3316802
16	10.2	9.9W	58 8.487	-0.0026	13	-35 1 2.41	-0.029	13	0.26	8.523	15	35.8	2.00	21	35.8	F8	C8	12105	C -3516027
17	10.6	10.4W	58 14.651	-0.0077	21	-33 19 37.54	-0.027	21	0.44	14.791	22	31.8	37.05	21	31.8	G L	C7	12832	C -3316803
18	10.4	9.0W	58 16.234	-0.0004	21	-33 0 52.13	-0.049	21	0.44	16.241	22	31.8	51.25	21	31.8	K0	C7	12833	C -3316804
19		9.8W	58 19.455	-0.0029	21	-30 7 12.45	0.030	21	0.44	19.508	22	31.8	12.99	21	31.8		C7	12834	C -3019775
20	8.2	8.5W	58 21.417	0.0016	21	-30 20 33.23	0.020	21	0.44	21.388	22	31.8	33.59	21	31.8	A0	C7	12835	C -3019776
21	10.4	10.2W	58 36.726	-0.0003	21	-33 2 5.46	0.043	21	0.44	36.731	22	31.8	6.25	21	31.8	G2 L	C7	12836	C -3316806
22	9.7	9.2W	58 44.718	-0.0045	21	-32 10 41.68	-0.036	21	0.44	44.800	22	31.8	41.03	21	31.8	G0	C7	12837	C -3217778
23	10.7	10.3W	58 45.597	-0.0019	13	-35 34 30.10	-0.049	13	0.26	45.624	15	35.8	29.40	21	35.8	G2 L	C8	12106	C -3516031
24	10.4	10.6W	58 50.585	-0.0024	21	-30 55 40.53	0.016	21	0.44	50.629	22	31.8	40.81	21	31.8	F5 L	C7	12838	C -3119554
25	10.0	10.1W	58 53.641	0.0005	18	-38 6 25.29	-0.020	18	0.31	53.635	15	35.8	25.00	21	35.8	A2 L	C8	12107	C -3815712
26	8.8	8.6W	58 56.430	-0.0040	21	-34 4 14.44	0.006	21	0.44	56.502	22	31.8	14.55	21	31.8	F5	C7	12839	C -3416269
27	8.8	8.7W	59 3.520	-0.0012	13	-39 36 53.29	-0.027	13	0.26	3.537	15	35.8	52.90	21	35.8	F0	C8	12108	C -4015310
28	9.9	9.0W	59 6.592	0.0002	21	-30 58 15.78	-0.036	21	0.44	6.589	22	31.8	15.11	21	31.8	K0	C7	12840	C -3119557
29	10.6	10.6W	59 7.544	-0.0007	18	-34 55 54.26	-0.013	18	0.31	7.554	15	35.8	54.08	21	35.8	F0 L	C8	12109	C -3516037
30	10.3	9.4W	59 13.419	-0.0011	13	-36 29 37.02	-0.051	13	0.26	13.434	15	35.8	36.30	21	35.8	K1 L	C8	12110	C -3616140
31		7.0T	59 21.664	-0.0033	07	-37 30 27.85	-0.039	06	0.30	21.803	10	07.5	26.09	09	05.2	K0	GC	33328	C#-3715469
32	9.9	10.0W	59 24.033	0.0019	21	-30 26 11.16	-0.004	21	0.44	23.998	22	31.8	11.09	21	31.8	F0	C7	12841	C -3019785
33		7.0T	59 26.015	0.0094	11	-38 10 47.84	-0.037	12	0.62	25.533	18	98.8	45.90	21	97.8	K0	GC	33332	C -3815713
34	11.5	9.8W	59 28.845	-0.0048	13	-35 54 22.44	-0.031	13	0.26	28.914	15	35.8	22.00	21	35.8	K0 L	C8	12113	C -3616141
35	8.8	9.0W	59 30.395	0.0003	21	-30 57 50.22	-0.022	21	0.44	30.369	22	31.8	49.82	21	31.8	A0	C7	12842	C -3119562
36	10.5	9.9W	59 38.170	-0.0011	21	-30 31 43.89	0.079	21	0.44	38.189	22	31.8	45.32	21	31.8	F5	C7	12843	C -3019786
37	10.4	10.1W	59 43.428	0.0006	21	-31 42 47.90	-0.015	21	0.44	43.420	22	31.8	47.63	21	31.8	G0 L	C7	12844	C -3217782
38	10.2	9.4W	59 55.597	0.0001	13	-39 29 26.03	-0.044	13	0.26	55.596	15	35.8	25.40	21	35.8	G5	C8	12115	C -3915238
39	10.4	10.4W	59 58.808	-0.0085	21	-34 16 17.96	-0.039	21	0.44	58.962	22	31.8	17.25	21	31.8	F2 L	C7	12846	C -3416275

214900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 0H DM NUMBER
40	9.8E	8.3Z	0 0 1.185	0.0027	12	-44 13 35.29	-0.007	12	0.63	1.060	31	03.4	34.96	28	03.4	K0	CZ	20827	P -4410397
41	10.5E	9.6Z	0 1.780	0.0004	12	-45 43 35.61	-0.001	12	0.82	1.759	63	02.8	35.55	57	02.8		CZ	20828	P -4610617
42	10.1E	8.5Z	0 13.251	-0.0011	12	-41 15 40.58	-0.006	12	0.66	13.304	28	99.5	40.30	26	99.5	K0	CZ	20829	P -4110001
43	9.9E	9.0Z	0 14.508	0.0034	12	-41 5 14.68	-0.018	12	0.73	14.339	45	00.8	13.79	45	00.8	G0	CZ	20830	P -4110002
44	10.0E	8.7Z	1 7.151	0.0003	12	-41 22 27.40	-0.012	12	0.73	7.134	45	00.8	26.78	45	00.8	F0	CZ	20832	P -4110003
45	10.5E	9.3*	1 23.470	0.0092	12	-43 28 6.93	-0.128	12	0.63	23.028	28	01.9	0.75	26	01.9	G0	CZ	20834	P -43 9810
46	8.9E	8.0Z	1 23.646	0.0016	12	-45 34 0.91	-0.010	12	0.71	23.569	45	03.3	0.43	45	03.3	A3	CZ	20835	P -4510510
47	8.1E	7.9Z	1 24.880	0.0025	12	-48 24 12.85	0.024	12	0.64	24.764	31	02.8	13.99	28	02.8	F0	CZ	20836D	P*-4811008
48	10.6E	9.4*	1 42.632	0.0006	12	-45 5 33.08	-0.013	12	0.65	42.603	31	01.8	32.44	28	01.8		CZ	20837	P -4510513
49	8.7E	8.0Z	1 44.664	-0.0005	12	-44 15 58.05	-0.043	12	0.69	44.687	45	05.7	56.13	45	05.7	F5	CZ	20838	P -4410450
50	10.9E	9.4*	1 50.669	0.0291	12	-47 20 48.90	0.042	12	0.63	49.285	28	02.5	50.88	26	02.5	K0	CZ	20839	P -4710077
51	10.8E	9.4*	0 2 2.422	-0.0020	12	-44 34 53.98	0.006	12	0.63	2.517	28	02.3	54.25	26	02.3		CZ	20840	P -4510515
52	10.2E	9.5Z	2 7.579	0.0034	12	-42 19 4.19	0.045	12	0.66	7.408	28	99.3	6.45	26	99.3	F5	CZ	20841	P -42 9661
53	10.3E	9.5*	2 14.653	-0.0044	12	-41 10 38.78	-0.047	12	0.65	14.874	26	99.4	36.40	24	99.4	G0	CZ	20842	P -4110004
54	10.2E	9.0Z	2 25.853	0.0028	12	-48 1 38.73	-0.081	12	0.64	25.722	31	02.8	34.89	28	02.8	F8	CZ	20843	P -4811010
55	10.1E	8.8H	2 34.278	-0.0079	12	-42 50 46.11	-0.031	12	0.67	34.652	36	02.5	44.65	36	02.5	G5	CZ	1	P -43 9811
56	9.9E	8.8H	2 36.980	0.0031	12	-44 7 45.65	0.011	12	0.66	36.837	36	03.4	46.16	36	03.4	K0	CZ	2	P -4410402
57	10.4E	9.7H	2 41.572	0.0002	12	-46 3 47.01	0.051	12	0.63	41.562	28	02.2	49.45	26	02.2	G0	CZ	3	P -4610623
58	9.9E	9.3H	2 42.702	0.0044	12	-49 25 15.33	0.030	12	0.70	42.499	45	04.3	16.71	45	04.3	F8	CZ	4	P -4911855
59		7.5T	2 55.512	0.0001	16	-43 9 57.82	-0.010	13	0.76	55.504	18	00.3	57.32	18	97.5	MB	GC	67	C -4315584
60	10.3E	10.1H	3 2.457	0.0076	12	-47 50 51.55	-0.012	12	0.70	2.109	45	04.3	51.00	45	04.3	K0	CZ	6	P -4811011
61		7.4T	3 19.562	0.0095	09	-42 1 50.31	-0.086	07	0.38	19.143	14	06.0	46.16	14	01.7	G0	GC	79	C -4216587
62	9.6E	9.3H	3 29.720	-0.0006	12	-43 58 11.48	-0.021	12	0.71	29.750	45	03.2	10.49	45	03.2	F2	CZ	9	P -4410403
63		5.8T	3 44.099	0.0578	09	-49 21 10.88	-0.032	08	0.38	41.804	14	10.3	9.45	12	05.8	G0	GC	92K	C -4914337
64	10.4E	9.3H	4 3.536	0.0002	12	-47 51 47.54	0.013	12	0.64	3.526	31	02.8	48.15	28	02.8	F8	CZ	11	P -48 2
65	10.2E	9.3H	4 17.252	0.0006	12	-41 11 31.00	0.003	12	0.67	17.220	28	98.5	31.17	26	98.5	G5	CZ	13	P -41 2
66	10.5E	10.3H	4 21.010	0.0013	12	-41 16 8.63	0.005	12	0.67	20.941	28	98.6	8.88	26	98.6	F5	CZ	14	P -41 3
67	8.3E	7.6H	4 23.816	0.0017	12	-44 15 49.84	0.029	12	0.65	23.737	31	01.7	51.25	28	01.7	G5	CZ	15	P -44 3
68	9.4E	9.0H	4 26.905	0.0002	12	-40 41 32.22	-0.005	12	0.86	26.893	63	98.8	31.98	57	98.8	F2	CZ	16	P -41 4
69		7.9T	4 43.388	-0.0063	15	-42 10 4.65	0.030	11	0.69	43.699	18	00.3	6.28	17	95.9	G0	GC	102	C -42 3
70	10.3E	9.2H	4 51.918	-0.0023	12	-42 50 18.30	0.005	12	0.64	52.028	28	01.5	18.56	26	01.5	F5	CZ	19	P -43 2
71		8.6T	4 52.162	0.0118	16	-40 45 27.32	0.039	16	0.78	51.602	19	02.6	29.13	19	03.1	G5	GC	107	C -41 8
72	10.5E	9.4H	4 55.481	-0.0006	12	-44 55 21.09	-0.000	12	0.66	55.511	31	00.1	21.08	28	00.1	G5	CZ	20	P -45 3
73	9.0E	8.3H	5 5.411	0.0029	12	-45 23 47.95	-0.101	12	0.73	5.268	45	00.8	42.98	45	00.8	G0	CZ	21	P -45 4
74	10.0E	8.5H	5 10.697	0.0032	12	-46 49 22.26	-0.014	12	0.65	10.543	31	02.1	21.59	28	02.1	K0	CZ	22	P -47 4
75	10.5E	9.7H	5 27.109	-0.0031	12	-43 44 1.23	-0.013	12	0.71	27.255	45	03.2	0.61	45	03.2	G0	CZ	24	P -44 5
76	10.0E	8.9H	5 30.025	0.0024	12	-45 39 37.46	-0.023	12	0.66	29.904	31	00.1	36.32	28	00.1	K0	CZ	26	P -46 4
77	10.1E	9.5H	5 54.534	-0.0003	12	-44 33 6.72	0.013	12	0.65	54.550	31	01.7	7.35	28	01.7	A0	CZ	29	P -44 7
78		7.8T	6 16.574	0.0096	13	-47 20 18.39	-0.048	12	0.51	16.204	17	11.4	16.51	15	10.6	F8	GC	137	C -47 16
79	10.9E	10.5H	6 17.356	0.0007	12	-48 55 6.19	-0.008	12	0.64	17.320	31	02.8	5.83	28	02.8	G5	CZ	31	P -49 7
80		7.9T	6 27.329	0.0105	10	-40 0 55.31	-0.026	08	0.42	26.877	14	07.0	54.12	14	04.9	G0	GC	143	C -40 15
81	10.2E	9.7H	6 47.458	-0.0022	12	-42 9 53.43	0.019	12	0.75	47.567	45	99.3	54.38	45	99.3	F5	CZ	36	P -42 6
82	9.8E	9.0H	6 51.006	0.0114	12	-41 19 15.59	-0.136	12	0.75	50.427	45	99.3	8.69	45	99.3	G0	CZ	37	P -41 8
83		3.9H	6 52.775	0.0124	03	-46 1 23.71	-0.177	02	0.11	52.303	06	11.8	17.32	06	13.9	K0	F4	3	C -46 18
84	10.0E	8.8H	7 0.339	0.0028	12	-40 55 40.17	0.016	12	0.75	0.196	45	99.3	41.00	45	99.3	K0	CZ	39	P -41 9
85	10.3E	9.3H	7 3.587	-0.0008	12	-46 39 11.39	-0.034	12	0.63	3.624	28	02.0	9.77	26	02.0	F5	CZ	40	P -47 9
86	8.8E	8.3H	7 16.230	0.0100	12	-41 10 10.96	-0.126	12	0.66	15.717	26	98.8	4.53	24	98.8	G5	CZ	41	P -41 10
87		7.2T	7 25.151	-0.0001	10	-44 56 41.32	0.028	07	0.40	25.155	14	08.1	42.59	15	05.2	G5	GC	163	C -45 17
88	9.0E	8.5H	7 38.091	0.0076	12	-49 25 16.88	-0.032	12	0.64	37.730	31	02.8	15.38	28	02.8	F2	CZ	45D	F*-49 15
89	9.9E	8.9H	7 50.610	0.0005	12	-48 25 18.35	0.007	12	0.62	50.586	28	03.1	18.70	26	03.1	F2	CZ	46	P -48 6
90	10.0E	9.5H	7 51.281	0.0027	12	-43 48 4.11	0.001	12	0.61	51.157	26	03.7	4.16	24	03.7	F5	CZ	47	P -44 11
91	9.9E	8.8H	8 5.247	-0.0032	12	-41 23 48.13	-0.027	12	0.67	5.410	28	98.6	46.74	26	98.6	G5	CZ	48	P -41 11
92	11.1E	9.8Z	8 11.459	0.0017	12	-45 23 22.73	-0.021	12	0.65	11.375	28	00.8	21.70	26	00.8		CZ	49	P -45 11
93	10.2E	9.1H	8 24.690	-0.0001	12	-42 31 46.42	0.014	12	0.75	24.694	45	99.3	47.13	45	99.3	G5	CZ	51	P -42 9
94		7.6T	8 46.462	0.0007	15	-40 39 3.64	-0.010	12	0.70	46.426	15	00.3	3.11	15	98.2	G5	GC	192	C -41 28
95	9.8E	9.9H	8 51.584	0.0026	12	-49 21 59.05	-0.007	12	0.70	51.465	45	04.8	58.74	45	04.8	A5	CZ	53	P -49 17
96	11.0E	9.7H	8 51.603	-0.0036	12	-47 17 52.50	-0.016	12	0.65	51.774	31	02.1	51.73	28	02.1	G5	CZ	54	P -47 12
97	10.1E	9.5H	9 0.696	-0.0063	12	-49 54 26.50	-0.066	12	0.69	0.979	45	05.3	23.56	45	05.3	G0	CZ	56D	P -50 18
98	9.0E	8.1H	9 7.769	0.0033	12	-49 56 0.95	-0.066	12	0.63	7.616	31	03.4	-57.89	28	03.4	G5	CZ	57	P -50 19
99		6.6T	9 25.490	-0.0083	11	-42 26 59.00	-0.039	08	0.55	25.925	15	97.4	56.70	15	90.8	K0	GC	205	C -42 32
00	10.5E	9.7H	9 31.347	-0.0008	12	-46 0 23.90	0.010	12	0.65	31.385	31	01.7	24.39	28	01.7	G0	CZ	59	P -46 10

215000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 0H DM NUMBER
1	10.6E	9.2Z	0 9 31.722	-0.0068	12	-40 50 21.37	-0.038	12	0.67	32.088	28	98.8	19.44	26	98.8		CZ	60	P -41 17
2		7.3T	10 9.633	0.0026	15	-43 28 33.10	-0.007	12	0.73	9.503	18	00.9	32.70	19	97.0	GS	GC	226	C -43 30
3	10.3E	9.3H	10 19.629	0.0042	12	-47 47 29.68	-0.004	12	0.64	19.429	31	02.8	29.88	28	02.8	GO	GC	64	P -48 10
4	10.2E	9.7H	10 30.944	-0.0020	12	-43 42 18.75	-0.030	12	0.70	31.036	45	04.3	17.36	45	04.3	F8	GC	65	P -44 14
5		7.7T	10 38.017	0.0039	14	-43 20 35.41	0.007	13	0.72	38.020	18	00.2	35.80	18	98.4	F0	GC	237	C -43 32
6	9.9E	9.7H	10 59.601	0.0098	12	-40 38 14.02	0.040	12	0.86	59.098	63	98.8	16.09	57	98.8	G5	CZ	68	P -41 24
7	10.1E	9.7H	11 11.114	0.0038	12	-42 28 59.51	0.019	12	0.67	10.912	28	98.7	0.49	28	98.7	F5	CZ	69	P -42 12
8	10.1E	9.4H	11 12.986	-0.0017	12	-49 28 35.57	-0.003	12	0.63	13.044	31	03.2	35.44	28	03.2	K0	CZ	70	P -49 22
9		7.1T	11 15.490	-0.0028	10	-48 57 43.21	-0.029	07	0.40	15.609	14	07.3	41.88	15	04.1	K5	CZ	253	C -48 35
10	9.6E	8.8H	11 16.783	0.0012	12	-48 42 37.60	-0.027	12	0.64	16.724	31	02.9	36.35	28	02.9	K0	CZ	72	P -49 25
11	10.8E	8.8H	11 47.315	-0.0013	12	-43 30 51.58	0.008	12	0.63	47.376	28	02.0	52.01	28	02.0	K0	CZ	73	P -43 14
12	11.0E	9.4Z	11 49.994	-0.0037	12	-44 25 28.20	-0.027	12	0.64	50.172	31	02.4	24.92	28	02.4		CZ	74	P -44 18
13		8.1T	11 55.212	0.0037	17	-40 41 34.22	-0.003	12	0.76	55.031	15	01.2	54.05	17	97.8		CZ	267	C -41 52
14		8.9T	12 5.126	-0.0030	18	-48 9 34.72	-0.050	18	0.88	5.265	19	03.5	32.38	19	02.9	K5	CZ	271	C -48 27
15	9.8E	9.7H	12 8.389	0.0034	12	-40 4 17.41	-0.037	12	0.67	8.212	28	98.3	15.52	28	98.3	G0	CZ	78	P -40 12
16	10.0E	8.5H	12 8.683	0.0008	12	-46 53 43.00	-0.007	12	0.63	8.644	28	02.5	42.67	28	02.5	K5	CZ	80	P -47 15
17	10.0E	8.7H	12 8.745	0.0004	12	-44 6 32.62	-0.005	12	0.63	8.725	28	02.0	32.38	28	02.0	K0	CZ	79	P -44 20
18		7.1T	12 14.178	0.0045	14	-46 18 41.89	0.017	10	0.65	13.962	22	01.5	42.86	19	99.4	K0	CZ	276	C -46 42
19	10.5E	8.8H	12 39.656	0.0030	12	-44 55 42.30	-0.004	12	0.65	39.507	28	00.3	42.09	28	00.3	K0	CZ	82	P -45 15
20	9.0E	8.8H	12 43.342	0.0046	12	-42 22 32.42	0.027	12	0.71	43.110	36	99.2	53.80	36	99.2	F5	CZ	83	P -42 18
21		7.5T	12 44.559	0.0023	12	-40 22 23.89	0.005	10	0.63	44.440	21	98.6	23.32	18	92.0	K5	GC	294	C -40 40
22	8.9E	8.3H	12 45.796	0.0048	12	-42 28 33.01	-0.006	12	0.66	45.553	28	98.8	32.71	24	98.8	K0	GC	85	P -42 19
23		7.6T	12 59.348	-0.0018	13	-40 43 52.57	-0.065	10	0.64	59.438	15	99.3	49.00	17	99.4	K0	GC	297	C -41 55
24	9.1E	7.7H	13 11.941	-0.0009	12	-46 31 2.03	-0.013	12	0.63	11.983	28	02.2	1.41	28	02.2	K0	CZ	88	P -46 19
25	9.9E	8.7H	13 32.859	0.0009	12	-42 56 56.33	-0.014	12	0.63	32.615	28	02.2	55.67	28	02.2	K0	CZ	90	P -43 16
26	9.9E	8.5H	13 38.820	-0.0007	12	-48 50 0.99	0.016	12	0.63	38.855	31	03.2	1.75	28	03.2	K0	CZ	91	P -49 30
27		7.7T	13 53.470	-0.0007	16	-43 16 25.87	0.013	13	0.76	53.502	18	01.5	26.56	21	98.4	K0	GC	313	C -43 55
28	9.3E	7.8H	13 54.430	0.0011	12	-44 3 29.62	-0.008	12	0.69	54.382	45	05.3	29.26	45	05.3	K0	CZ	93	P -44 23
29	10.0E	9.2H	14 1.205	0.0035	12	-45 53 20.62	-0.040	12	0.65	1.035	31	01.7	18.69	28	01.7	F5	CZ	95	P -46 21
30	9.6E	9.2H	14 5.351	0.0034	12	-44 6 8.91	-0.009	12	0.69	5.201	45	05.3	8.50	45	05.3	F2	CZ	96	P -44 24
31	10.1E	9.7H	14 12.776	-0.0019	12	-42 1 39.31	-0.010	12	0.67	12.872	28	98.8	38.80	26	98.8	F5	CZ	98	P -42 21
32		8.0T	14 17.695	0.0117	18	-46 51 1.91	-0.047	14	0.81	17.159	24	04.1	-59.55	21	99.4	F5	GC	330	C -47 55
33		8.9T	14 22.247	0.0034	18	-49 54 19.89	-0.034	14	0.81	22.090	19	03.3	18.22	19	00.3	F5	GC	332	C -50 47
34	10.0E	9.4H	14 24.409	-0.0036	12	-43 49 4.07	-0.031	12	0.69	24.571	45	05.3	2.69	45	05.3	F5	CZ	101	P -44 25
35	9.3E	7.9H	14 42.815	0.0026	12	-44 38 31.29	-0.009	12	0.62	42.695	28	03.1	30.87	26	03.1	F2	CZ	102	P -45 18
36		8.0T	14 45.425	0.0375	24	-44 7 49.96	-0.036	22	1.08	43.719	21	04.5	48.31	19	03.8	G0	GC	336	C -44 52
37	9.5E	8.3H	14 54.588	0.0033	12	-44 55 45.10	0.011	12	0.73	54.430	45	01.8	45.62	45	01.8	G5	CZ	104	P -45 19
38	10.3E	9.4H	14 59.002	-0.0074	12	-46 36 45.74	-0.075	12	0.71	59.346	45	03.2	42.24	45	03.2		CZ	105	P -47 19
39	10.4E	10.1H	15 4.805	0.0016	12	-42 40 20.71	0.005	12	0.67	4.711	28	98.6	20.97	26	98.6	F8	CZ	106	P -43 22
40	10.3E	10.1H	15 22.780	0.0128	12	-49 34 5.13	-0.003	12	0.63	22.181	31	03.1	5.00	28	03.1	G5	CZ	107	P -49 34
41	10.4E	9.2H	15 34.180	0.0033	12	-46 2 25.79	0.002	12	0.71	34.024	45	03.2	25.88	45	03.2	K0	CZ	108	P -46 23
42	10.1E	9.5H	15 35.559	0.0007	12	-48 15 15.67	0.027	12	0.64	35.525	31	02.8	16.94	28	02.8	F8	CZ	109	P -48 23
43	9.5E	8.7H	15 37.780	0.0021	12	-44 14 55.15	0.012	12	0.63	37.777	31	03.1	55.72	28	03.1	K0	CZ	110	P -44 31
44		7.6T	15 38.364	-0.0065	11	-46 48 35.63	0.017	09	0.45	38.637	14	08.1	36.37	15	07.3	F5	CZ	374	C -47 63
45	9.6E	9.9H	16 3.413	0.0033	12	-40 33 45.43	0.040	12	0.83	3.253	63	01.9	47.37	57	01.9	F5	CZ	113	P -40 19
46	11.0E	9.3Z	16 11.126	0.0001	12	-40 56 4.00	-0.018	12	0.65	11.120	28	99.8	3.11	26	99.8		CZ	114	P -41 34
47		6.3T	16 13.396	0.0049	09	-43 30 46.98	-0.017	07	0.39	13.181	14	06.1	47.81	12	01.9	K2	CZ	361	C -43 64
48	10.4E	9.9H	16 13.423	-0.0021	12	-46 21 38.57	-0.008	12	0.65	13.523	31	01.8	38.19	28	01.8	F8	CZ	116	P -46 26
49	10.2E	9.9H	16 27.763	-0.0025	12	-49 21 50.18	-0.013	12	0.70	27.894	45	04.8	49.60	45	04.8	G5	CZ	118	P -49 37
50	9.9E	9.3H	16 42.879	-0.0040	12	-45 32 21.66	-0.015	12	0.66	43.075	31	00.7	20.92	28	00.7	K0	CZ	119	P -45 25
51		8.1T	0 16 51.856	0.0046	10	-40 23 42.42	-0.251	08	0.41	51.659	15	07.2	30.90	14	04.2	G0	GC	386	C -40 56
52		7.4T	16 52.221	0.0008	13	-46 46 35.66	0.021	12	0.69	52.182	18	00.3	36.80	19	96.8	K0	GC	387	C -47 68
53	9.8E	9.5H	17 8.865	0.0021	12	-43 21 34.96	0.011	12	0.64	8.772	36	05.5	35.45	36	05.5	G5	CZ	123	P -43 25
54	10.7E	10.5H	17 50.244	0.0000	12	-45 59 20.99	0.016	12	0.63	50.243	28	02.0	21.76	26	02.0	A2	CZ	124	P -46 28
55	10.1E	9.5Z	17 55.262	0.0021	12	-42 50 20.99	0.008	12	0.64	55.158	28	01.2	21.39	26	01.2		CZ	125	P -43 28
56	10.7E	9.7H	17 57.626	0.0016	12	-47 54 6.18	0.012	12	0.61	57.550	28	03.6	6.74	26	03.6	K0	CZ	126	P -48 26
57	10.7E	9.1H	18 10.554	0.0001	12	-41 22 21.32	-0.000	12	0.65	10.548	28	00.7	21.32	26	00.7	K0	CZ	127	P -41 37
58	10.1E	9.3H	18 45.997	0.0039	12	-47 59 33.37	-0.033	12	0.69	45.822	45	05.3	31.89	45	05.3	G0	CZ	128	P -48 30
59	9.8E	9.3H	18 48.204	0.0043	12	-48 34 12.76	0.042	12	0.63	48.002	31	03.5	14.73	28	03.5	F8	CZ	129	P -48 31
60	9.7E	8.9H	19 0.827	-0.0027	12	-49 16 23.68	-0.025	12	0.63	0.952	31	03.2	22.51	28	03.2	F8	CZ	130	P -49 42
61	10.4E	8.8H	19 7.270	0.0064	12	-41 38 31.47	-0.037	12	0.65	6.952	28	00.5	29.63	26	00.5	G0	CZ	131	P -42 26
62	10.4E	9.4H	19 11.760	0.0137	12	-47 27 20.51	0.075	12	0.64	11.113	31	02.8	24.05	28	02.8	K0	CZ	132	P -47 28
63	10.1E	9.4H	19 36.324	0.0032	12	-48 0 42.76	0.005	12	0.63	36.174	31	03.5	42.99	28	03.5	A5	CZ	133	P -48 32
64	9.7E	9.4H	19 41.288	0.0052	12	-46 34 56.30	0.031	12	0.65	41.036	31	01.7	59.79	28	01.7	F2	CZ	134	P -47 29
65	9.6E	9.3H	19 44.511	-0.0020	12	-44 9 30.12	0.019	12	0.64	44.608	31	02.4	31.02	28	02.4	F2	CZ	135	P -44 40
66	10.1E	9.3H	19 47.014	0.0050	12	-41 57 3.83	0.011	12	0.73	46.767	45	00.8	4.36	45	00.8	G0	CZ	136	P -42 28
67	8.8E	8.5H	19 48.689	-0.0015	12	-42 12 39.22	0.039	12	0.65	48.763	26	99.7	41.18	24	99.7	F8	CZ	137	P -42 29
68	9.4E	8.9H	19 51.291	0.0062	12	-44 55 34.15	-0.020	12	0.66	50.986	31	00.8	33.15	28	00.8	G0	CZ	138	P -45 31
69	9.9E	9.2H	20 15.994	0.0111	12	-46 33 43.37	-0.034	12	0.71	15.473	45	03.2	41.79	45	03.2	G5	CZ	140	P -46 30
70	9.6E	9.7H	20 18.325	-0.0007	12	-40 33 56.15	-0.013	12	0.83	18.357	63	01.9	55.54	57	01.9	F8	CZ	141	P -40 26
71	9.9E	9.0H	20 20.852	0.0014	12	-40 39 51.10	-0.007	12	0.66	20.780	28	99.5	50.77	26	99.5	F8	CZ	142	P -41 38
72	10.3E	9.0H	20 23.886	-0.0003	12	-49 27 42.36	0.020	12	0.61	23.898	28	03.6	43.30	26	03.6	K0	CZ	143	P -49 45
73	9.7E	9.5H	20 33.408	-0.0006	12	-45 45 47.57	-0.021	12	0.71	33.435	45	03.2	46.59	45	03.2	F5	CZ	144	P -46 31
74	9.6E	9.9H	20 34.008	0.0031	12	-46 50 19.43	-0.024	12	0.64	33.860	31	02.7	18.30	28	02.7	G0	CZ	145	P -47 30
75	9.9E	9.5H	20 36.569	-0.0003	12	-45 18 1.80	-0.022	12	0.66	36.582	31	00.8	0.72	28	00.8	F8	CZ	146	P -45 35
76	8.6E	8.1H	20 38.732	0.0017	12	-48 37 32.55	0.009	12	0.69	38.658	45	05.3	32.97	45	05.3	K0	CZ	147	P -49 46
77	10.0E	10.5H	20 45.641	0.0030	12	-47 3 5.06	0.042	12	0.70	45.505	45	04.7	6.97	45	04.7	F5	CZ	149	P -47 31
78	10.9E	9.6Z	21 2.174	0.0025	12	-45 53 57.92	-0.001	12	0.65	2.053	31	01.8	57.88	28	01.8		CZ	150	P -46 32
79		7.9T	21 17.628	0.0008	16	-49 38 5.42	-0.014	13	0.75	17.591	18	01.7	4.72	21	98.1	K0	GC	470	C -50 70
80	9.4E	9.2H	21 38.615	-0.0022	12	-43 28 50.01	-0.016	12	0.64	38.723	28	01.2	49.23	26	01.2	F5	CZ	153	P -43 35
81	10.7E	9.7H	21 42.847	-0.0014	12	-41 16 11.99	-0.002	12	0.65	42.914	28	00.6	11.88	26	00.6	G0	CZ	155	P -41 40
82	10.3E	10.5H	21 45.776	-0.0009	12	-47 15 14.54	0.014	12	0.62	45.817	28	03.3	15.19	26	03.3	G0	CZ	156	P -47 36
83	9.8E	9.7H	21 46.557	-0.0023	12	-44 25 1.24	-0.031	12	0.64	46.669	31	02.4	-59.77	28	02.4	F0	CZ	157	P -44 43
84	9.9E	9.4H	22 2.483	0.0071	12	-42 47 12.09	-0.124	12	0.64	22.132	28	00.8	6.00	24	00.8	G5	CZ	159	P -43 39
85		7.6T	22 28.456	0.0086	15	-42 9 46.65	0.015	13	0.74	28.025	17	00.0	47.44	18	97.6	G5	GC	490	C -42 107
86	10.2E	9.6H	22 46.631	0.0054	12	-44 44 14.61	-0.026	12	0.63	46.375	28	02.5	13.36	26	02.5	G5	CZ	161	P -45 38
87	10.0E	8.9H	22 58.241	0.0015	12	-44 39 24.15	0.004	12	0.64	58.176	36	05.4	24.33	36	05.4	K0	CZ	162	P -45 39
88	9.1E	9.2H	23 14.850	0.0047	12	-44 7 35.08	-0.041	12	0.67	14.653	45	07.7	33.34	45	07.7	F2	CZ	164	P -44 45
89	10.0E	9.4H	23 26.460	-0.0014	12	-49 10 23.94	0.018	12	0.63	26.524	31	03.2	24.80	28	03.2	F0	CZ	167	P -49 49
90	10.6E	9.7H	23 33.413	0.0011	12	-47 15 3.35	0.004	12	0.63	33.360	31	03.1	3.53	28	03.1	K5	CZ	168	P -47 38
91	11.0E	10.5H	23 42.319	0.0004	12	-48 15 3.97	0.011	12	0.63	42.300	31	03.5	4.51	28	03.5	G0	CZ	170	P -48 37
92		3.9T	23 44.906	0.0098	05	-43 57 25.67	0.035	04	0.27	44.455	12	03.9	27.55	10	96.8	A3	GC	516	C -44 101
93		2.4H	23 49.029	0.0187	02	-42 34 38.55	-0.390	02	0.09	48.324	05	12.3	24.91	05	15.0	K0	F4	12	C -42 116
94	10.4E	9.6Z	24 0.253	0.0014	12	-45 34 10.24	0.039	12	0.63	0.187	31	03.1	12.07	28	03.4		CZ	175	P -45 41
95	9.7E	8.8Z	24 2.165	0.0031	12	-42 37 5.54	0.015	12	0.66	2.007	28	99.7	6.30	26	99.7		CZ	176	P -43 41
96	10.9E	9.7Z	24 10.456	0.0016	12	-43 29 33.16	-0.012	12	0.64	10.380	28	01.5	32.57	26	01.5		CZ	177	P -43 42
97		8.5T	24 18.996	0.0150	28	-49 45 5.25	0.034	22	1.11	18.320	21	04.8	6.83	19	04.1	F8	GC	524	C -50 82
98	8.8E	9.1H	24 26.984	0.0057	12	-40 9 29.29	-0.030	12	0.68	26.683	28	97.6	27.73	26	97.6	A3	CZ	180	P -40 32
99	10.3E	10.5H	24 33.642	0.0012	12	-40 46 8.80	0.011	12	0.65	33.580	28	99.8	9.37	26	99.8	A0	CZ	181	P -41 43
00	10.2E	9.7H	25 9.267	0.0072	12	-46 29 33.93	-0.007	12	0.64	8.921	31	02.1	33.61	28	02.1	G0	CZ	182	P -46 39

215100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 0H DM NUMBER
1	8.5E	7.9H	0 25 10.555	-0.0012	12	-41 39 32.11	-0.001	12	0.73	10.613	45	00.8	32.05	45	00.8	FO	CZ	183	F -42 38
2	10.3E	9.9H	25 12.766	0.0014	12	-45 30 39.42	-0.004	12	0.69	12.702	45	05.3	39.60	45	05.3	G5	CZ	184	F -45 43
3		5.3T	25 58.759	0.0111	06	-40 11 27.18	-0.031	05	0.28	58.262	12	05.2	25.68	12	02.2	K5	GC	558	C*-40 93
4	10.1E	9.4H	26 11.122	0.0072	12	-48 36 28.44	-0.053	12	0.63	10.785	31	03.5	30.93	28	03.5	G0	CZ	193	F -49 55
5	10.3E	9.6H	26 12.249	0.0127	12	-41 26 31.15	-0.030	12	0.66	11.607	28	99.5	29.63	26	99.5	G5	CZ	192	F -41 46
6	9.7E	9.1Z	26 19.870	0.0035	12	-42 53 1.40	-0.028	12	0.64	19.698	28	01.3	0.04	26	01.3		CZ	195	F -43 47
7	10.7E	10.1H	26 24.985	0.0081	12	-49 22 31.56	-0.059	12	0.61	24.609	28	03.9	28.85	26	03.9	F5	CZ	197	F -49 56
8	8.7E	8.6H	26 26.020	0.0081	12	-44 52 58.88	-0.025	12	0.63	25.640	31	03.1	57.69	28	03.1	F5	CZ	196	F -45 50
9	9.2E	9.3H	26 45.117	0.0050	12	-45 20 8.45	0.021	12	0.62	44.881	28	03.1	9.44	26	03.1	F8	CZ	200	F -45 52
10	8.8E	8.7H	26 53.544	-0.0008	12	-45 57 11.70	0.015	12	0.63	53.582	28	02.3	12.42	26	02.3	A0	CZ	201	F -46 43
11	10.0E	10.3H	26 56.203	0.0012	12	-47 12 58.04	-0.090	12	0.64	56.149	36	05.5	54.03	36	05.5	A5	CZ	203	F -47 44
12		6.8T	26 56.261	0.0001	07	-40 56 30.16	-0.007	06	0.34	56.256	14	04.3	29.79	14	99.1	K0	GC	575	C -41 112
13	10.1E	9.6Z	27 12.500	0.0028	12	-43 59 57.92	-0.025	12	0.62	12.383	36	07.8	56.86	36	07.8		CZ	204	F -44 54
14	9.4E	8.9H	27 26.686	0.0095	12	-44 21 31.25	-0.069	12	0.60	26.266	28	05.5	28.19	26	05.5	G0	CZ	206	F -44 56
15		8.9T	27 30.526	-0.0007	17	-40 44 19.06	-0.002	12	0.73	30.557	24	04.0	18.95	22	00.1	K2	GC	585	C -41 114
16	9.9E	9.2H	27 33.640	0.0046	12	-46 57 30.33	0.035	12	0.61	33.427	28	03.8	31.95	26	03.8	G5	CZ	208	F -47 46
17	10.8E	9.9H	27 42.831	0.0071	12	-47 56 5.67	0.015	12	0.61	42.505	28	04.3	6.36	26	04.3	G5	CZ	209	F -48 42
18	9.7E	8.8H	27 55.295	-0.0005	12	-48 19 47.60	0.017	12	0.64	55.317	36	05.8	48.38	36	05.8	G0	CZ	210	F -48 44
19		5.6T	28 1.200	0.0129	07	-48 29 23.72	-0.082	06	0.30	0.679	14	09.6	20.10	12	05.7	F0	GC	593	C -48 102
20		6.3T	28 1.470	-0.0004	06	-41 12 57.38	0.026	05	0.26	1.486	09	08.7	58.50	09	06.3	F0	GC	594	C -41 116
21		9.2T	28 5.531	-0.0000	22	-47 18 42.02	-0.017	22	1.04	5.532	21	04.9	41.26	19	04.4	F0	GC	597	C -47 132
22	10.0E	9.9H	28 8.970	-0.0004	12	-47 8 49.23	-0.002	12	0.64	8.986	36	05.5	49.14	36	05.5	G0	CZ	215	F -47 49
23	9.6E	9.1H	28 22.659	0.0041	12	-41 39 56.64	-0.038	12	0.66	22.451	28	99.5	54.72	26	99.5	G0	CZ	216	F -42 43
24	10.0E	9.9H	28 36.064	0.0055	12	-43 37 52.90	0.000	12	0.64	35.798	28	01.5	52.90	26	01.5	G5	CZ	218	F -44 58
25	9.2E	8.5H	28 36.253	0.0030	12	-43 34 5.92	0.008	12	0.71	36.114	45	03.4	6.29	45	03.4	K0	CZ	219	F -43 50
26	9.0E	8.1H	28 41.858	0.0004	12	-48 55 1.24	-0.008	12	0.63	41.842	31	03.5	0.89	28	03.5	K0	CZ	221	F -49 62
27	9.4E	9.7H	28 42.131	-0.0035	12	-42 34 8.73	0.020	12	0.66	42.305	28	99.6	9.74	26	99.6	F5	CZ	220	F -42 45
28	9.5E	9.4H	28 47.101	-0.0213	12	-42 9 24.36	-0.075	12	0.74	48.155	45	00.4	20.64	45	00.4	G5	CZ	223	F -42 46
29		7.5T	28 53.074	-0.0011	10	-43 52 57.46	-0.019	09	0.43	53.121	14	07.7	56.63	15	05.8	A2	GC	612	C -44 125
30		7.9T	28 58.350	0.0005	11	-46 10 39.54	-0.003	09	0.45	58.331	15	09.7	39.43	15	07.0	G5	GC	615	C -46 140
31		4.9H	29 0.580	0.0143	03	-49 4 47.29	0.026	03	0.12	0.113	06	17.4	48.16	06	16.5	A2	F4	15	C -49 115
32	11.0E	9.7Z	29 26.778	0.0191	12	-45 12 32.85	-0.077	12	0.69	25.925	45	05.3	29.41	45	05.3		CZ	228	P -45 57
33	10.1E	9.7H	29 30.221	0.0014	12	-47 30 7.50	0.000	12	0.63	30.153	31	03.1	7.50	28	03.1	F5	CZ	229	P -47 51
34	9.8E	10.3H	29 57.161	0.0041	12	-47 19 49.24	0.038	12	0.69	56.977	45	05.3	50.93	45	05.3	G0	CZ	230	P -47 54
35	10.3E	9.0Z	30 0.156	0.0032	12	-41 55 14.26	0.010	12	0.66	-59.992	28	99.2	14.76	26	99.2		CZ	231	P -42 48
36	10.0E	9.2Z	30 0.773	-0.0008	12	-42 22 3.11	0.027	12	0.74	0.815	45	00.4	4.44	45	00.4		CZ	232	P -42 49
37	9.3E	9.2H	30 5.668	0.0024	12	-44 20 31.33	-0.006	12	0.67	5.565	45	07.8	31.07	45	07.8	G5	CZ	233	P -44 61
38	8.7E	7.9H	30 41.250	-0.0025	12	-40 2 6.03	-0.026	12	0.68	41.379	28	97.9	4.67	26	97.9	K0	CZ	235	P -40 48
39	7.6E	7.6H	30 47.842	0.0025	12	-47 13 39.06	-0.007	12	0.63	47.725	31	03.1	38.73	28	03.1	A5	CZ	236	P -47 56
40	10.5E	9.6Z	30 51.539	0.0014	12	-45 23 26.52	-0.034	12	0.63	51.474	31	03.1	24.92	28	03.1		CZ	237	P -45 58
41	9.3E	9.0H	30 58.000	0.0024	12	-41 0 11.89	-0.100	12	0.66	57.878	28	99.2	6.81	26	99.2	F8	CZ	238	P -41 53
42	10.4E	9.7Z	31 21.328	-0.0013	12	-42 52 37.85	-0.036	12	0.64	21.389	28	01.5	36.09	26	01.5		CZ	240	P -43 55
43		7.5T	31 22.143	0.0036	16	-40 12 0.54	0.016	12	0.74	21.971	21	01.7	1.38	19	97.7	B8	GC	669	C -40 123
44	9.5E	8.8H	31 38.516	0.0001	12	-44 21 13.77	-0.031	12	0.61	38.509	31	04.8	12.36	28	04.8	K0	CZ	241	P -44 66
45	11.0E	9.6Z	31 45.709	-0.0042	12	-49 22 4.57	-0.025	12	0.63	45.904	31	03.6	3.41	28	03.6		CZ	243	P -49 72
46		6.9T	31 54.119	-0.0077	06	-42 42 25.34	0.023	05	0.26	53.800	09	08.6	26.35	09	05.9	A2	GC	678	C -43 145
47	9.7E	9.3H	31 57.556	-0.0004	12	-47 57 47.41	0.015	12	0.63	57.575	31	03.8	48.10	28	03.8	F0	CZ	245	P -48 49
48		6.8T	32 1.271	0.0030	13	-45 42 5.68	0.012	12	0.68	1.120	17	00.2	6.30	18	97.8	K0	GC	682	C -46 149
49	9.9E	9.3H	32 6.276	0.0026	12	-44 54 46.04	-0.030	12	0.63	6.154	28	02.5	44.63	26	02.5	G0	CZ	247	P -45 61
50	9.6E	8.7H	32 33.289	0.0028	12	-40 26 56.96	0.015	12	0.67	33.144	28	98.2	57.73	26	98.2	K0	CZ	248	P -40 53
51	9.5E	8.8H	0 32 40.369	0.0023	12	-49 12 39.20	0.050	12	0.68	40.275	45	07.4	41.31	45	07.4	G0	CZ	249	P -49 74
52	9.5E	9.0Z	32 49.064	0.0039	12	-41 59 49.40	-0.009	12	0.62	48.879	26	02.5	48.98	24	02.5		CZ	250	P -42 54
53	9.3E	8.3H	32 49.460	0.0001	12	-47 26 19.20	-0.013	12	0.66	49.455	36	03.8	18.61	36	03.8	K0	CZ	251	P -47 60
54	9.8E	9.1H	32 52.367	0.0070	12	-44 15 51.37	0.005	12	0.64	52.053	36	05.4	51.57	36	05.4	G0	CZ	252	P -44 67
55		7.5T	33 8.338	0.0104	14	-40 1 9.83	-0.171	12	0.66	7.841	15	02.1	1.41	14	00.7	G5	GC	703	C -40 135
56	10.0E	10.3H	33 18.134	0.0047	12	-46 37 58.84	-0.026	12	0.66	17.902	31	00.8	57.58	28	00.8	G0	CZ	254	P -47 61
57		5.5T	33 18.316	0.0044	06	-48 16 29.40	-0.098	05	0.26	18.138	10	09.2	24.98	10	05.0	F8	GC	706	C*-48 121
58	10.5E	9.6Z	33 27.597	0.0038	12	-45 17 41.96	0.026	12	0.66	27.410	31	00.8	43.26	28	00.8		CZ	257	P -45 64
59	9.4E	8.5Z	33 28.816	-0.0036	12	-41 31 10.11	-0.061	12	0.74	28.995	45	00.4	7.09	45	00.4		CZ	258	P -41 57
60	10.1E	9.4H	33 34.970	-0.0002	12	-48 35 40.50	-0.026	12	0.62	34.977	31	03.9	39.28	28	03.9	G0	CZ	259	P -49 76
61		8.6T	33 40.410	0.0388	16	-49 24 5.73	-0.138	12	0.74	38.541	22	01.8	-58.31	19	96.2	G5	GC	721	C*-49 138
62	9.2E	8.2H	33 41.303	0.0000	12	-47 51 2.44	-0.021	12	0.69	41.302	45	05.8	1.53	45	05.8	K2	CZ	261	P -48 54
63	10.6E	8.5Z	33 47.648	0.0019	12	-41 33 54.80	-0.089	12	0.66	47.551	28	99.2	50.28	26	99.2		CZ	262	P -41 59
64	8.7E	8.8H	33 54.661	-0.0101	12	-43 30 54.21	-0.039	12	0.64	55.152	28	01.6	52.33	26	01.6	F8	CZ	263	P -43 59
65		6.8T	34 14.124	0.0378	14	-49 24 20.25	-0.130	12	0.69	12.251	17	00.4	13.38	18	97.1	G0	GC	730	C -49 141
66	10.6E	9.7Z	34 24.892	0.0141	12	-43 51 7.40	-0.008	12	0.64	24.220	31	02.5	7.03	28	02.5		CZ	265	P -44 71
67		8.3T	34 44.327	-0.0003	15	-42 2 36.52	-0.007	13	0.74	44.342	18	00.9	36.14	21	97.7	K7	GC	740	C -42 193
68		8.9T	34 47.220	0.0023	18	-47 32 22.32	-0.020	18	0.88	47.114	19	03.2	21.37	19	03.2	G5	GC	742	C -47 168
69	10.0E	9.2H	35 5.273	-0.0008	12	-44 40 59.13	-0.025	12	0.64	5.310	31	02.5	57.96	28	02.5	K0	CZ	269	P -45 70
70	9.3E	9.0H	35 29.123	0.0008	12	-40 45 48.28	-0.008	12	0.66	29.082	28	99.2	47.85	26	99.2	G5	CZ	270	P -41 65
71	9.7E	9.9H	35 32.442	0.0008	12	-45 7 42.57	0.060	12	0.73	32.406	45	01.8	45.47	45	01.8	G0	CZ	272	P -45 71
72	9.1E	9.0H	35 32.698	0.0043	12	-41 9 52.36	0.007	12	0.74	32.485	45	00.4	52.69	45	00.4	F5	CZ	271	P -41 66
73		7.1T	35 42.149	0.0028	15	-41 52 2.18	-0.019	13	0.74	42.013	22	01.4	1.17	21	98.0	G0	GC	756	C -42 198
74		7.4T	36 4.859	-0.0041	15	-46 10 37.81	0.051	12	0.73	5.061	19	00.4	40.50	18	97.1	F8	GC	765	C -46 169
75	10.0E	9.4H	36 13.483	-0.0009	12	-44 16 58.97	-0.010	12	0.64	13.524	31	02.5	58.52	28	02.5	G5	CZ	277	P -44 77
76	9.5E	8.3H	36 14.932	0.0011	12	-40 44 55.38	-0.008	12	0.66	14.876	28	99.2	54.96	26	99.2	K0	CZ	278	P -41 68
77	10.0E	9.1H	36 23.144	0.0039	12	-49 46 29.07	0.015	12	0.68	22.979	45	07.3	29.69	45	07.3	K0	CZ	280	P -50 81
78		7.6T	36 29.952	0.0004	16	-43 34 12.72	-0.005	13	0.77	29.934	17	00.2	12.45	15	97.8	K0	GC	772	C -43 167
79	10.1E	9.7H	36 31.617	0.0065	12	-48 24 21.08	0.022	12	0.61	31.317	28	03.8	22.09	26	03.8	F0	CZ	282	P -48 61
80	9.0E	7.8H	36 40.092	0.0000	12	-42 10 27.49	0.005	12	0.66	40.092	28	99.7	27.75	26	99.7	K0	CZ	283	P -42 61
81	10.3E	9.7H	36 40.243	0.0092	12	-48 43 59.15	-0.234	12	0.61	39.826	31	04.9	48.57	28	04.9	F8	CZ	284	P -49 88
82		7.8T	36 40.314	0.0030	15	-42 10 26.05	0.026	12	0.73	40.164	17	00.0	27.41	17	97.0	K0	GC	776	C -42 207
83	9.4E	8.9H	36 44.450	0.0024	12	-42 55 35.98	0.005	12	0.64	44.334	28	01.8	36.25	26	01.8	K0	CZ	285	P -43 68
84		8.4T	37 21.283	-0.0089	15	-41 55 58.52	-0.100	12	0.73	21.725	18	00.4	53.19	17	96.9	G0	GC	786	C -42 209
85		6.0T	37 29.173	0.0040	06	-45 4 16.31	0.006	05	0.26	29.003	10	07.2	16.59	09	02.7	K0	GC	788	C -45 201
86	9.1E	8.7H	37 39.898	0.0035	12	-47 11 17.58	0.059	12	0.63	39.730	28	02.3	20.42	26	02.3	G0	CZ	288	P -47 75
87		8.8T	38 22.625	0.0159	26	-49 51 55.10	-0.180	22	1.10	21.912	21	05.3	46.96	21	04.8	G0	GC	810	C -50 161
88	9.9E	9.5H	38 25.165	-0.0010	12	-43 21 8.58	0.007	12	0.63	25.211	28	02.2	8.93	26	02.2	G0	CZ	291	P -43 73
89	9.6E	9.3H	38 25.442	0.0005	12	-41 28 53.02	0.017	12	0.73	25.418	45	01.4	53.86	45	01.4	F5	CZ	290D	P*-41 71
90	9.7E	9.2H	38 28.571	0.0020	12	-48 6 13.89	0.022	12	0.71	28.478	45	03.7	14.92	45	03.7	G5	CZ	293	P -48 65
91	9.7E	8.5H	38 30.041	0.0051	12	-47 5 46.30	-0.036	12	0.72	29.797	45	02.3	44.60	45	02.3	G5	CZ	294	P -47 72
92		8.3T	38 30.790	-0.0006	08	-40 48 20.33	-0.010	06	0.35	30.818	15	05.2	19.83	14	99.0	A0	GC	814	C -41 180
93	9.9E	9.4H	38 37.649	-0.0023	12	-47 20 39.49	-0.012	12	0.72	37.758	45	02.3	38.94	45	02.3	G0	CZ	295	P -47 73
94		4.6H	38 58.031	-0.0017	03	-46 21 33.10	0.005	03	0.14	58.093	07	12.4	33.31	06	11.0	K0	F4	1015	C -46 186
95	10.9E	9.3Z	39 4.258	0.0062	12	-40 18 51.21	-0.017	12	0.67	3.938	28	98.3	50.32	26	98.3		CZ	298	P -40 62
96	10.2E	9.5H	39 15.466	-0.0007	12	-48 24 48.48	-0.035	12	0.64	15.499	31	02.4	46.81	28	02.4	G0	CZ	300	P -48 69
97	9.5E	8.8H	39 17.689	-0.0049	12	-42 17 23.71	-0.032	12	0.65	17.932	28	00.3	22.15	26	00.3	G5	CZ	301	P -42 64
98	9.6E	9.2H	39 30.244	0.0047	12	-43 52 44.63	-0.003	12	0.64	30.020	31	02.8	44.50	28	02.8	K0	CZ	302	P -44 83
99		7.1T	39 34.731	0.0043	11	-43 23 56.08	-0.004	08	0.57	34.508	18	98.3	55.84	19	98.8	F2	GC	834	C -43 190
00	8.6E	8.1H	39 57.549	-0.0092	12	-45 49 29.24	-0.069	12	0.66	57.501	31	00.8	25.86	28	00.8	F8	CZ	354	P -46 64

215200

EPOCH 1950 — ORIGINAL EPOCH — -40° — 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8E	9.5H	0 40 7.387	0.0025	12	-44 48 23.65	-0.010	12	0.73	7.267	45	01.8	23.16	45	01.8	F8	CZ	305	P -45 79
2	9.8E	8.9H	40 9.575	0.0010	12	-48 45 37.71	-0.016	12	0.60	9.528	26	04.1	36.96	24	04.1	G5	CZ	306	P -49 96
3	9.2E	7.8H	40 15.745	0.0007	12	-47 28 3.91	0.000	12	0.65	15.710	31	01.1	3.93	28	01.1	G5	CZ	307	P -47 76
4	10.7E	9.5Z	40 25.518	-0.0069	12	-42 40 48.49	-0.036	12	0.65	25.860	28	00.2	46.68	26	00.2		CZ	308	P -43 76
5	10.0E	9.2H	40 27.094	-0.0009	12	-46 33 29.64	-0.031	12	0.66	27.137	31	00.8	28.14	28	00.8	F8	CZ	309	P -46 65
6	9.4E	8.6H	40 33.377	-0.0004	12	-46 3 32.06	-0.010	12	0.73	33.396	45	01.8	31.60	45	01.8	K0	CZ	310	P -46 66
7	9.5E	8.9H	40 48.554	0.0018	12	-43 29 26.51	0.001	12	0.63	48.466	28	02.1	26.57	26	02.1	K5	CZ	311	P -43 79
8		7.0T	40 55.924	0.0038	10	-45 27 18.45	0.016	09	0.42	55.763	14	07.4	19.14	15	06.7	G5	GC	862K	C -45 222
9	10.0E	9.0Z	40 59.621	0.0082	12	-43 25 17.25	-0.047	12	0.70	59.245	45	04.4	13.30	45	04.4		CZ	314	P -43 80
10	8.4E	8.1H	41 0.819	0.0080	12	-48 15 46.85	-0.029	12	0.71	0.449	45	03.7	45.50	45	03.7	F5	CZ	316	P -48 73
11	9.6E	8.0H	41 2.000	-0.0009	12	-44 23 48.42	-0.017	12	0.64	2.041	31	02.8	47.64	28	02.8	K2	CZ	315	P -44 89
12	10.2E	10.1H	41 2.417	-0.0004	12	-47 46 59.75	0.003	12	0.71	2.435	45	03.7	59.90	45	03.7	F5	CZ	317	P -48 74
13	9.0E	8.6H	41 17.332	0.0056	12	-48 9 33.52	-0.026	12	0.64	17.065	31	02.4	32.30	28	02.4	F5	CZ	318D	P+-48 76
14	10.4E	9.5Z	41 31.077	-0.0054	12	-46 9 5.55	-0.036	12	0.73	31.337	45	01.8	3.83	45	01.8		CZ	321	P -46 67
15		6.9T	41 54.920	0.0010	16	-49 39 34.40	-0.007	12	0.73	54.870	17	01.4	34.04	17	98.5	A2	GC	881	C -50 179
16	10.2E	9.7Z	42 0.426	-0.0004	12	-47 16 53.10	-0.020	12	0.63	0.445	28	01.8	52.15	26	01.8		CZ	323	P -47 79
17	10.3E	9.2H	42 2.253	-0.0003	12	-46 15 12.81	-0.012	12	0.64	2.268	28	01.6	12.25	26	01.6	K2	CZ	325	P -46 68
18	10.0E	9.5H	42 2.320	-0.0009	12	-45 15 21.22	-0.025	12	0.68	2.363	36	01.5	20.03	36	01.5	F5	CZ	324	P -45 83
19		7.8T	42 2.781	0.0023	16	-49 58 49.16	0.001	12	0.73	2.669	19	02.1	49.21	18	99.0	A0	GC	884	C -50 181
20		8.3T	42 14.143	0.0005	15	-42 52 19.29	0.026	11	0.68	14.119	22	03.3	20.66	21	97.3	F2	GC	888	C -43 204
21		6.0H	42 35.438	-0.0080	04	-42 56 55.33	-0.101	04	0.16	35.711	09	16.0	51.89	08	15.9	A5	F4	1017	C -43 207
22	10.6E	9.7H	42 36.193	0.0034	12	-41 31 45.13	-0.007	12	0.65	36.022	26	99.8	44.79	24	99.8	F8	CZ	328	P -41 73
23	9.8E	9.5H	42 52.615	-0.0017	12	-43 50 6.35	0.019	12	0.63	52.698	28	02.3	7.27	26	02.3	F8	CZ	330	P -44 94
24	9.5E	9.4H	42 54.717	0.0009	12	-45 17 37.39	-0.014	12	0.65	54.673	28	00.8	36.72	26	00.8	F8	CZ	331	P -45 85
25		7.6T	43 0.845	0.0056	09	-49 6 35.10	0.014	07	0.37	0.617	17	09.2	35.77	15	02.7	A3	GC	909	C -49 190
26	9.9E	9.7H	43 6.606	-0.0058	12	-46 49 21.09	0.014	12	0.63	6.885	28	01.8	21.79	26	01.8	G0	CZ	335	P -47 81
27		8.6T	43 11.130	0.0029	17	-43 24 52.27	0.042	13	0.78	10.988	17	01.1	54.43	18	98.5	F8	GC	912	C -43 210
28	9.9E	9.5H	43 13.744	0.0018	12	-42 49 8.41	-0.031	12	0.70	13.662	45	04.4	7.02	45	04.4	G5	CZ	337	P -43 87
29	10.2E	9.3Z	43 20.638	0.0023	12	-44 52 2.42	0.003	12	0.66	20.525	31	00.8	2.56	28	00.8		CZ	338	P -45 86
30		7.9T	43 23.124	-0.0028	20	-48 34 27.27	-0.065	18	0.89	23.252	19	04.6	24.36	19	03.7	G0	GC	917	C -48 175
31		7.8T	43 24.671	0.0255	16	-42 10 52.80	-0.070	13	0.76	23.455	22	02.3	49.09	19	97.2	K0	GC	919K	C+-42 249
32		5.8T	43 25.095	0.0181	07	-47 49 34.11	0.092	06	0.30	24.338	09	08.1	38.19	09	05.5	K0	GC	920K	C -48 176
33	10.3E	8.9H	43 25.220	0.0242	12	-42 10 52.03	-0.094	12	0.73	24.056	45	01.9	47.52	45	01.9	K0	CZ	340D	P -42 68
34		8.5T	43 45.763	0.0224	24	-44 22 33.92	-0.002	24	1.10	44.750	21	04.9	33.82	21	04.9	F8	GC	925	C -44 198
35	9.6E	9.3H	44 15.836	-0.0009	12	-42 25 59.25	-0.022	12	0.65	15.879	28	00.2	58.18	26	00.2	A5	CZ	345	P -42 71
36		9.5T	44 40.103	0.0005	18	-42 7 8.68	0.023	14	0.82	40.079	19	01.9	9.83	18	99.4	K0	GC	939	C -42 256
37	10.1E	9.7Z	44 41.624	0.0004	12	-46 53 55.16	-0.022	12	0.71	41.605	45	03.8	54.16	45	03.8		CZ	348	P -47 84
38	10.5E	9.4H	44 55.449	0.0029	12	-48 15 47.44	-0.034	12	0.64	55.311	31	02.4	45.81	28	02.4	G5	CZ	349	P -48 89
39	9.4E	9.2H	45 50.663	0.0089	12	-44 2 43.77	-0.024	12	0.70	50.259	45	04.8	42.69	45	04.8	G5	CZ	351	P -44 99
40	9.6E	8.2H	45 51.965	0.0001	12	-45 9 18.83	0.006	12	0.66	51.963	31	00.7	19.14	28	00.7	K0	CZ	352	P -45 90
41	10.7E	10.3H	46 0.290	-0.0013	12	-45 59 52.06	-0.013	12	0.65	0.353	31	01.8	51.46	28	01.8	A0	CZ	353	P -46 78
42	10.2E	8.9H	46 23.555	-0.0019	12	-47 23 17.84	-0.048	12	0.66	23.642	36	03.8	15.64	36	03.8	K0	CZ	354	P -47 88
43	8.3E	8.2H	46 32.376	-0.0051	12	-48 51 57.95	-0.012	12	0.62	32.608	31	04.1	57.38	28	04.1	A5	CZ	355	P -49 112
44	10.2E	9.0H	46 36.986	0.0008	12	-46 13.11	-0.020	12	0.65	36.948	28	99.9	12.09	26	99.9	G5	CZ	356	P -41 77
45		6.2T	46 37.758	-0.0012	06	-46 58 13.24	0.024	05	0.26	37.810	12	08.3	14.32	10	04.7	K0	GC	975	C -47 229
46		7.6T	46 42.761	0.0010	15	-42 50 3.33	-0.008	12	0.71	42.711	17	00.4	2.92	17	97.4	B8	GC	978	C -43 226
47	9.9E	9.3H	46 55.825	-0.0004	12	-47 41 9.80	-0.009	12	0.66	55.842	36	03.8	9.40	36	03.8	G5	CZ	359	P -48 92
48	9.9E	8.9H	47 3.033	-0.0005	12	-42 31 15.67	-0.014	12	0.68	3.056	36	02.2	15.03	36	02.2	G5	CZ	361	P -43 95
49	10.2E	9.9H	47 3.440	-0.0004	12	-48 59 11.73	-0.000	12	0.69	3.455	45	06.3	11.72	45	06.3	A2	CZ	362	P -49 114
50	11.0E	9.4Z	47 9.617	0.0012	12	-41 21 42.45	-0.014	12	0.64	9.558	26	00.8	41.77	24	00.8		CZ	363	P -41 79
51	10.7E	9.5Z	0 47 32.113	-0.0035	12	-48 33 38.26	-0.002	12	0.62	32.276	28	02.8	38.15	26	02.8		CZ	365	P -48 96
52	10.0E	9.7H	47 33.740	-0.0018	12	-44 15 44.08	-0.033	12	0.61	33.820	28	04.3	42.59	26	04.3	G5	CZ	364	P -44 100
53	9.7E	9.5H	47 41.435	0.0071	12	-47 33 53.08	0.010	12	0.63	41.096	28	02.5	53.57	26	02.5	A0	CZ	366	P -47 91
54		6.4T	47 43.364	0.0007	06	-43 40 1.68	0.022	05	0.25	43.334	10	11.0	2.65	10	05.5	F0	GC	1006	C -44 216
55		8.9T	47 45.780	0.0045	10	-40 53 32.76	-0.007	09	0.44	45.593	15	08.3	32.45	15	05.1	G0	GC	1008	C -41 215
56	10.2E	8.7H	47 46.170	0.0039	12	-46 12 41.26	-0.033	12	0.63	45.983	28	02.1	39.69	26	02.1	G5	CZ	369	P -46 82
57	11.6E	9.8Z	47 50.418	-0.0028	12	-49 28 4.28	0.017	12	0.62	50.545	31	04.2	5.03	28	04.2		CZ	370	P -49 117
58	10.0E	9.4H	48 1.048	0.0006	12	-43 23 7.51	0.021	12	0.70	1.023	45	04.4	8.49	45	04.4	K0	CZ	373	P -43 98
59	8.7E	8.7H	48 16.595	0.0014	12	-47 24 54.88	-0.013	12	0.71	16.530	45	03.8	54.29	45	03.8	F5	CZ	374	P -47 93
60	10.0E	10.1H	48 19.249	-0.0017	12	-44 24 40.61	-0.012	12	0.64	19.327	31	02.8	40.07	28	02.8	G0	CZ	375	P -44 102
61	9.6E	9.1H	48 25.787	0.0084	12	-41 49 40.73	0.011	12	0.65	25.368	28	00.1	41.29	26	00.1	F8	CZ	376	P -42 77
62	11.0E	9.5Z	48 26.725	0.0004	12	-42 26 40.04	-0.010	12	0.65	26.704	28	00.2	39.57	26	00.2		CZ	377	P -42 78
63	10.0E	9.7H	49 3.046	-0.0004	12	-44 38 22.95	-0.032	12	0.70	3.063	45	04.8	21.52	45	04.8	G0	CZ	379	P -45 92
64	10.6E	9.5Z	49 7.445	0.0026	12	-46 39 9.92	-0.015	12	0.65	7.319	31	01.8	9.22	28	01.8		CZ	381	P -47 95
65	10.1E	9.5Z	49 8.935	-0.0005	12	-49 56 23.86	0.005	12	0.62	8.959	31	04.5	24.11	28	04.5		CZ	382	P -50 124
66	10.3E	9.5H	49 12.527	0.0026	12	-48 5 24.36	-0.064	12	0.65	12.403	31	02.5	21.34	31	02.5	G0	CZ	384	P -48 100
67	10.0E	9.5H	49 14.120	-0.0015	12	-44 2 22.73	-0.010	12	0.70	14.186	45	04.8	22.29	45	04.8	G5	CZ	383	P -44 106
68	10.0E	8.5H	49 20.823	0.0013	12	-46 57 39.04	-0.011	12	0.65	20.760	31	02.1	38.53	28	02.1	G5	CZ	385	P -47 96
69		9.8T	49 28.782	0.0161	22	-40 31.82	-0.133	22	1.06	28.034	18	03.5	25.64	18	03.5	G0	GC	1035	C -40 190
70		6.6T	49 32.314	0.0020	13	-43 58 50.51	-0.007	10	0.62	32.212	18	00.1	50.11	18	95.1	F2	GC	1037K	C+-44 226
71		8.1T	49 36.492	0.0014	17	-42 54 52.99	-0.022	13	0.78	36.423	18	01.2	51.85	18	98.5	F0	GC	1039	C -43 241
72	10.4E	10.1H	49 58.317	-0.0014	12	-47 34 28.84	-0.063	12	0.64	58.382	31	02.2	25.84	28	02.2	G5	CZ	391	P -47 99
73	9.6E	9.7H	50 3.692	0.0011	12	-43 3 15.68	0.007	12	0.70	3.641	45	04.4	11.03	45	04.4	A2	CZ	392	P -43 101
74	9.9E	9.5H	50 16.035	0.0006	12	-45 37 32.99	-0.007	12	0.66	16.005	31	00.8	32.67	28	00.8	A5	CZ	393	P -46 86
75	9.3E	8.9H	50 35.199	0.0021	12	-44 10 56.55	0.006	12	0.70	35.102	45	04.8	56.83	45	04.8	G5	CZ	395	P -44 108
76	9.5E	9.1H	50 49.347	0.0007	12	-43 4 44.51	0.012	12	0.70	49.315	45	04.4	45.04	45	04.4	K0	CZ	398	P -43 103
77	9.7E	9.9H	50 50.102	0.0374	12	-44 2 31.24	-0.133	12	0.70	48.410	45	04.8	25.24	45	04.8	G0	CZ	397	P -44 109
78	9.3E	9.3H	50 51.891	-0.0037	12	-44 50 32.45	0.018	12	0.66	52.073	31	00.8	33.32	28	00.8	F8	CZ	399	P -45 94
79	8.6E	7.8H	51 1.835	0.0019	12	-45 46 37.18	0.010	12	0.65	1.743	31	01.7	37.68	28	01.7	F0	CZ	400	P -46 88
80	9.8E	9.3H	51 21.384	0.0017	12	-43 25 9.22	0.003	12	0.63	21.300	28	01.9	9.38	26	01.9	G5	CZ	402	P -43 104
81	10.5E	9.5Z	51 32.385	0.0080	12	-48 33 55.09	-0.060	12	0.64	32.004	31	02.5	52.23	28	02.5		CZ	403	P -48 108
82	10.9E	9.2H	51 37.169	0.0054	12	-41 36 57.69	-0.007	12	0.66	36.896	28	99.5	57.35	26	99.5	K0	CZ	404	P -42 83
83		7.0T	51 42.496	0.0096	16	-49 3 45.25	0.008	14	0.76	42.039	19	02.3	45.65	19	00.7	G5	GC	1080	C -49 245
84	10.4E	9.0H	51 51.348	0.0012	12	-40 38 34.95	-0.030	12	0.67	51.286	28	98.2	33.38	26	98.2	K0	CZ	406	P -41 86
85		7.8T	52 7.390	0.0017	14	-49 13 8.54	-0.064	12	0.70	7.306	18	00.6	5.11	19	96.2	F2	GC	1088	C -49 247
86	9.8E	9.4H	52 24.532	0.0010	12	-49 43 54.77	0.002	12	0.62	24.488	31	04.5	54.88	28	04.5	A2	CZ	409	P -50 132
87	8.5E	7.4H	52 46.508	-0.0001	12	-45 29 25.72	-0.018	12	0.64	40.512	28	01.3	24.86	26	01.3	K0	CZ	411	P -45 96
88	10.9E	9.3H	52 46.961	0.0008	12	-42 14 57.56	-0.007	12	0.65	46.920	28	99.9	57.24	26	99.9	K2	CZ	412	P -42 86
89	8.9E	8.0H	52 53.225	-0.0030	12	-44 38 21.81	-0.027	12	0.62	53.365	28	02.8	20.55	26	02.8	G5	CZ	413	P -45 97
90	9.6E	8.6H	52 54.809	-0.0022	12	-43 19 10.07	0.000	12	0.63	54.917	28	01.9	10.08	26	01.9	K0	CZ	414	P -43 109
91		6.9T	52 55.429	-0.0197	09	-47 40 27.71	-0.175	08	0.41	55.915	12	04.7	19.40	14	02.6	F8	GC	1100	C -48 216
92	11.5E	10.0Z	53 15.698	0.0019	12	-49 47 31.41	0.009	12	0.66	15.662	28	99.7	31.84	26	99.7		CZ	416	P -41 88
93	9.7E	8.1H	53 56.867	0.0007	12	-42 56 39.91	-0.010	12	0.63	56.833	28	01.9	55.89	26	01.9	G0	CZ	417	P -43 110
94	10.5E	9.5Z	54 6.177	-0.0005	12	-46 38 55.91	-0.032	12	0.65	6.200	31	01.8	54.39	28	01.8		CZ	418	P -47 105
95	10.3E	9.2Z	54 20.656	-0.0009	12	-46 10 7.51	-0.025	12	0.65	20.699	31	01.8	6.32	28	01.8		CZ	419	P -46 95
96	9.5E	7.9H	54 36.428	0.0015	12	-47 8 4.06	-0.008	12	0.64	36.355	31	02.1	3.70	28	02.1	K2	CZ	420	P -47 106
97	10.0E	8.9H	54 54.385	0.0057	12	-49 52 4.20	-0.021	12	0.62	54.127	31	04.5	3.26	28	04.5	K0	CZ	422	P -50 140
98	10.0E	8.7H	55 5.753	0.0053	12	-40 13 0.51	-0.043	12	0.86	5.483	63	98.9	-58.29	57	98.9	G5	CZ	423	P -40 86
99	8.5E	8.8H	55 12.121	0.0008	12	-49 0 47.65	-0.006	12	0.62	12.082	31	04.2	47.35	28	04.2	F5	CZ	425	P -49 136
00		8.6T	55 15.670	0.0003	20	-41 31 32.28	-0.048	18	0.92	15.656	19	02.7	29.95	18	01.8	G0	GC	1152	C -41 241

215300 — EPOCH 1950 — ORIGINAL EPOCH — -40° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.4E	8.8H	0 55 18.394	0.0028	12	-47 50 7.31	0.020	12	0.71	18.264	45	03.9	8.24	45	03.9	K0	CZ	426	F -48 112
2	10.5E	9.5Z	55 36.780	-0.0034	12	-48 35 56.94	-0.024	12	0.64	36.939	31	02.5	55.79	28	02.5		CZ	427	F -49 137
3	8.9E	8.9H	55 40.249	0.0051	12	-43 43 43.84	-0.026	12	0.61	40.011	28	03.8	42.65	26	03.8	F0	CZ	428	F -44 116
4	8.7E	8.4H	55 47.866	-0.0005	12	-44 24 11.71	0.010	12	0.69	47.886	45	05.9	12.17	45	05.9	F5	CZ	429	F -44 118
5	9.2E	9.0H	55 51.966	-0.0004	12	-40 14 6.93	-0.037	12	0.68	51.987	28	97.9	4.98	26	97.9	K0	CZ	430	F -40 88
6	9.5E	8.8H	55 55.704	-0.0049	12	-43 36 51.03	-0.005	12	0.70	55.930	45	04.4	50.82	45	04.4	G5	CZ	431	F -44 119
7	8.8E	8.8H	56 4.511	0.0003	12	-48 50 36.68	-0.021	12	0.69	4.497	45	06.4	35.74	45	06.4	A0	CZ	433	F -49 138
8	10.8E	9.8Z	56 13.992	-0.0011	12	-47 26 25.16	-0.018	12	0.64	14.044	31	02.2	24.31	28	02.2		CZ	434	F -47 107
9	10.6E	9.7H	56 37.858	-0.0055	12	-45 17 52.37	-0.023	12	0.63	38.122	28	01.8	51.28	26	01.8	G	CZ	436	F -45 101
10	9.7E	9.1H	56 37.893	0.0017	12	-46 47 11.71	0.027	12	0.66	37.814	36	03.8	12.98	36	03.8	K0	CZ	437	F -47 110
11	9.7E	8.9H	56 44.339	0.0063	12	-43 30 57.75	-0.054	12	0.63	44.034	28	01.9	55.17	26	01.9	G0	CZ	438	F -43 114
12	9.9E	8.7H	56 44.458	-0.0022	12	-48 4 24.85	-0.013	12	0.62	44.561	28	02.9	24.24	26	02.9	G5	CZ	440	F -48 119
13	9.4E	8.7H	56 46.366	-0.0010	12	-42 0 40.53	-0.034	12	0.65	46.416	28	99.9	38.84	26	99.9	G0	CZ	439	F -42 91
14	10.1E	9.7H	57 4.386	0.0008	12	-41 16 6.54	-0.016	12	0.64	4.346	26	00.2	5.75	24	00.2	F5	CZ	441	F -41 94
15	9.8E	9.2H	57 13.192	-0.0022	12	-46 52 59.15	-0.018	12	0.63	13.296	28	02.6	58.31	26	02.6	G5	CZ	442	F -47 114
16	10.5E	9.6H	57 26.191	0.0010	12	-49 41 48.25	0.018	12	0.63	26.146	31	03.2	49.11	28	03.2	K0	CZ	443	F -50 142
17	9.8E	8.5H	57 31.402	0.0016	12	-46 11 7.09	-0.006	12	0.63	31.326	28	02.1	6.82	26	02.1	K0	CZ	446	F -46 98
18	10.1E	9.7H	57 31.924	-0.0015	12	-44 28 39.33	-0.029	12	0.60	31.990	28	04.8	38.06	26	04.8	G5	CZ	445	F -44 122
19	11.1E	9.4Z	57 32.137	0.0002	12	-42 15 14.91	-0.029	12	0.64	32.126	26	00.5	13.50	24	00.5		CZ	444	F -42 92
20	10.6E	10.5H	57 36.502	0.0009	12	-44 6 55.39	0.004	12	0.60	36.459	28	04.9	55.58	26	04.9	F8	CZ	447	F -44 123
21	10.8E	9.6Z	57 44.545	0.0017	12	-48 55 46.91	-0.008	12	0.63	44.464	31	03.2	46.52	28	03.2		CZ	449	F -49 140
22	9.7E	9.4H	57 56.335	0.0056	12	-45 22 18.42	-0.012	12	0.63	56.065	28	01.8	17.86	26	01.8	G5	CZ	450	F -45 105
23	9.8E	8.3H	57 59.803	0.0013	12	-40 22 22.07	-0.026	12	0.86	59.737	63	98.9	20.73	57	98.9	K0	CZ	451	F -40 90
24	9.1E	9.1H	58 13.143	-0.0022	12	-43 35 4.85	0.006	12	0.70	13.245	45	04.4	5.14	45	04.4	A5	CZ	453	F -43 118
25	9.6E	9.3H	58 22.845	0.0031	12	-45 35 27.16	-0.001	12	0.72	22.698	45	02.9	27.13	45	02.9	F5	CZ	455	F -45 107
26	10.0E	9.7H	58 22.969	0.0043	12	-45 49 34.38	0.033	12	0.71	22.768	45	03.3	35.94	45	03.3	G5	CZ	456	F -46 100
27	9.3E	8.2H	58 45.533	-0.0029	12	-46 36 43.60	-0.014	12	0.71	45.667	45	03.3	42.96	45	03.3	K0	CZ	457	F -47 117
28	10.0E	9.4H	58 56.515	0.0126	12	-45 34 7.68	0.022	12	0.72	55.921	45	02.9	8.74	45	02.9	G5	CZ	459	F -45 112
29	9.8E	9.6H	58 57.904	0.0007	12	-41 20 8.42	-0.023	12	0.74	57.869	45	00.4	7.28	45	00.4	F0	CZ	458	F -41 96
30	8.8E	9.3H	59 5.540	0.0009	12	-40 42 6.44	-0.004	12	0.86	5.494	63	98.9	6.22	57	98.9	F2	CZ	460	F -41 97
31	7.8E	8.2H	59 27.427	0.0012	12	-46 29 4.15	0.015	12	0.71	27.368	45	03.3	4.83	45	03.3	F2	CZ	461	F -46 104
32	8.4E	8.4H	59 40.626	0.0092	12	-40 28 57.10	-0.032	12	0.86	40.156	63	98.9	55.45	57	98.9	F0	CZ	462	F -40 92
33	10.4E	8.7H	59 41.961	-0.0028	12	-41 48 49.14	-0.013	12	0.66	42.102	28	99.5	48.50	26	99.5	K0	CZ	464	F -42 98
34	11.1E	9.5Z	59 50.107	-0.0022	12	-43 18 16.62	-0.015	12	0.63	50.215	28	02.0	15.92	26	02.0		CZ	465	F -43 119
35		8.2T	59 50.964	-0.0121	10	-49 55 29.01	-0.099	08	0.42	51.482	14	07.0	24.44	14	03.8	G0	GC	1246	C -50 282
36	9.5E	9.4H	59 57.913	0.0065	12	-49 59 52.57	0.015	12	0.69	57.624	45	05.4	53.26	45	05.4	F8	CZ	468	F -50 149
37	8.0E	7.6H	59 59.647	-0.0007	12	-45 26 25.57	-0.016	12	0.65	59.680	31	01.5	24.81	28	01.5	F0	CZ	467	F -45 116
38	10.6E	9.5H	1 0 3.733	-0.0021	12	-42 23 33.83	0.015	12	0.66	3.837	28	99.7	34.56	26	99.7	G0	CZ	469	F -42 100
39	8.5E	8.1H	0 7.861	0.0054	12	-44 22 6.94	-0.049	12	0.63	7.608	31	03.5	9.24	28	03.5	K0	CZ	470	F -44 130
40	10.0E	9.2H	0 16.137	0.0038	12	-48 28 11.95	0.037	12	0.64	15.957	31	02.5	13.69	28	02.5	A0	CZ	471	F -48 125
41	9.9E	9.0H	0 25.727	0.0074	12	-40 17 8.83	-0.012	12	0.67	25.345	28	98.4	8.19	26	98.4	F5	CZ	472	F -40 94
42		7.7T	0 29.700	-0.0038	22	-47 33 13.58	-0.093	20	0.97	29.872	21	05.1	9.32	19	04.3	G0	GC	1260	C -47 312
43		5.3T	0 34.195	-0.0002	06	-46 39 57.17	-0.013	06	0.32	34.206	14	05.9	57.73	12	01.8	K0	GC	1266	C*-47 313
44	10.9E	9.7Z	0 34.872	0.0008	12	-49 4 39.50	-0.001	12	0.63	34.834	31	03.2	39.44	28	03.2		CZ	475	F -49 142
45	9.7E	9.2H	0 52.305	0.0151	12	-46 9 13.84	-0.070	12	0.65	51.578	31	01.8	10.49	28	01.8	G0	CZ	476	F -46 106
46		7.2T	1 0.236	0.0029	17	-41 17 21.77	0.000	13	0.78	0.096	17	01.3	21.78	18	98.4	K5	GC	1272	C -41 260
47		8.9T	1 19.012	-0.0020	18	-44 30 37.17	0.006	12	0.74	19.103	24	05.6	37.45	22	01.5	G0	GC	1286	C*-44 295
48		7.2T	1 37.395	-0.0009	13	-40 54 58.14	0.022	12	0.68	37.441	15	99.7	59.32	17	96.7	A2	GC	1289K	C*-41 263
49	10.9E	9.8Z	1 37.497	0.0002	12	-49 29 12.36	0.029	12	0.63	37.487	31	03.2	13.74	28	03.2		CZ	481	F -49 144
50		7.4T	1 43.704	0.0082	15	-40 47 55.08	-0.057	14	0.76	43.307	22	01.5	52.20	21	99.3	F5	GC	1291K	C -41 264
51	8.8E	8.3H	1 1 50.086	0.0014	12	-43 34 7.56	0.000	12	0.67	50.018	36	02.9	7.57	36	02.9	F5	CZ	483	F -43 122
52	10.2E	9.7H	1 52.316	0.0063	12	-44 50 4.05	0.018	12	0.64	52.010	28	01.3	4.92	26	01.3	G0	CZ	484	F -45 118
53		6.9T	2 10.261	0.0076	13	-48 12 31.18	0.006	09	0.60	9.892	15	01.3	31.49	15	96.3	M0	GC	1296	C -48 259
54	8.7E	7.8H	2 29.989	0.0041	12	-43 19 55.84	0.025	12	0.63	29.787	26	01.4	57.04	24	01.4	F2	CZ	487	F -43 123
55		7.3T	3 4.091	-0.0002	17	-40 32 14.55	-0.014	13	0.78	4.102	15	01.0	13.84	17	98.9	F0	GC	1312	C -40 240
56	9.8E	8.8H	3 10.055	0.0014	12	-45 52 33.26	0.006	12	0.65	9.988	31	01.8	33.54	28	01.8	G5	CZ	489	F -46 111
57	9.6E	9.4H	3 13.649	-0.0011	12	-43 44 41.51	-0.016	12	0.70	13.698	45	04.8	40.78	45	04.8	G0	CZ	490	F -44 136
58	9.5E	8.9H	3 17.559	-0.0029	12	-43 7 59.41	0.005	12	0.70	17.692	45	04.4	59.64	45	04.4	F8	CZ	492	F -43 125
59	10.0E	8.8H	3 22.652	0.0038	12	-41 38 12.57	-0.025	12	0.65	22.461	26	99.3	11.29	22	99.3	F8	CZ	493	F -42 103
60	10.8E	9.4Z	3 23.761	-0.0003	12	-43 30 24.31	0.006	12	0.63	23.774	28	02.2	24.59	26	02.2		CZ	494	F -43 126
61		8.1T	3 29.040	0.0035	17	-41 47 50.26	0.030	20	0.86	28.880	24	04.2	51.60	24	04.9	G5	GC	1322	C -42 377
62	9.9E	9.4H	3 45.431	-0.0004	12	-49 12 31.10	0.015	12	0.63	45.449	31	03.2	31.81	28	03.2	F8	CZ	498	F -49 147
63	9.1E	7.5H	3 46.145	0.0022	12	-42 6 13.86	0.024	12	0.66	46.036	28	99.7	15.06	26	99.7	K2	CZ	496	F -42 105
64		8.8T	3 48.862	0.0035	18	-41 46 8.59	0.039	20	0.89	48.704	24	04.7	10.33	24	05.0	G5	GC	1334	C -42 380
65		3.4M	3 51.357	-0.0029	03	-46 59 9.78	0.005	03	0.17	51.502	06	99.4	10.03	06	99.5	K0 J	F3	38D	*
66	9.1E	8.1H	3 51.492	-0.0013	12	-42 50 29.99	0.011	12	0.63	51.554	28	02.2	30.51	26	02.2	G5	CZ	499	F -43 129
67		6.8T	4 9.560	0.0001	13	-40 7 26.08	0.013	12	0.66	9.557	15	99.6	26.78	17	96.8	K0	GC	1342	C -40 247
68	8.0E	8.1H	4 10.055	0.0044	12	-47 51 44.67	-0.006	12	0.63	9.845	28	02.5	44.37	26	02.5	F0	CZ	502	F -48 133
69	9.6E	8.6H	4 21.405	-0.0031	12	-46 11 7.79	-0.009	12	0.65	21.555	31	01.8	7.35	28	01.8	K0	CZ	503	F -46 113
70	10.6E	9.4H	4 33.559	0.0068	12	-48 20 41.28	0.012	12	0.64	33.237	31	02.6	41.86	28	02.6	K2	CZ	504	F -48 134
71	10.7E	9.9H	5 2.310	0.0018	12	-44 38 33.30	0.018	12	0.64	2.224	31	02.8	34.14	28	02.8	G0	CZ	506	F -45 124
72		7.3T	5 14.474	0.0171	07	-42 0 46.44	-0.073	06	0.34	13.689	14	04.1	42.75	14	99.6	G0	GC	1366	C -42 389
73	8.5E	8.1H	5 27.948	-0.0006	12	-44 3 29.30	-0.007	12	0.64	27.975	31	02.8	28.96	28	02.8	F5	CZ	509	F -44 139
74		5.1H	5 30.962	0.0033	04	-41 45 14.23	0.009	03	0.13	30.870	09	22.2	14.47	08	23.3	A3	F4	1031	C -42 391
75	10.5E	9.5H	5 39.487	0.0018	12	-45 34 50.71	0.031	12	0.66	39.400	31	00.9	52.22	28	00.9	G0	CZ	512	F -45 127
76	10.1E	9.3H	5 41.483	-0.0005	12	-40 50 21.04	0.002	12	0.66	41.509	28	99.2	21.15	26	99.2	K2	CZ	511	F -41 108
77	9.6E	9.4H	5 47.165	-0.0037	12	-45 4 28.20	-0.039	12	0.66	47.345	31	00.8	26.28	28	00.8	G0	CZ	513	F -45 128
78	9.7E	8.8H	5 48.232	-0.0009	12	-47 49 25.01	-0.012	12	0.71	48.273	45	03.9	24.45	45	03.9	F8	CZ	514	F -48 137
79		7.2T	6 20.526	0.0007	15	-46 56 4.85	0.041	13	0.73	20.494	17	00.8	6.96	18	98.5	A5	GC	1389K	C*-47 333
80	10.4E	9.4H	6 38.049	0.0033	12	-49 2 1.61	-0.020	12	0.63	37.894	31	03.2	0.69	28	03.2	G0	CZ	516	F -49 153
81	9.3E	8.3H	6 44.891	0.0026	12	-42 54 37.49	0.013	12	0.63	44.767	28	02.1	38.11	26	02.1	G5	CZ	517	F -43 135
82	8.0E	7.4H	6 46.400	0.0032	12	-42 40 5.50	-0.001	12	0.65	46.239	26	99.7	5.45	24	99.7	G0	CZ	518	F -43 136
83	10.2E	9.9H	6 48.100	0.0040	12	-42 30 2.57	-0.002	12	0.73	47.904	45	00.9	2.47	45	00.9	G0	CZ	519	F -42 113
84	10.1E	9.1H	6 50.084	0.0031	12	-43 16 5.53	0.059	12	0.64	49.945	36	05.9	8.12	36	05.9	F8	CZ	520	F -43 137
85	10.4E	8.7H	6 59.802	-0.0013	12	-47 23 50.18	0.001	12	0.63	59.864	28	02.6	50.22	26	02.6	K2	CZ	522	F -47 133
86	9.8E	9.3H	7 0.009	-0.0033	12	-44 46 52.28	0.033	12	0.67	0.165	36	02.8	53.86	36	02.8	F8	CZ	521	F -45 129
87	10.4E	8.9H	7 3.732	0.0009	12	-48 11 20.58	0.005	12	0.62	3.689	28	02.9	20.80	26	02.9	G5	CZ	524	F -48 142
88	8.3E	8.7H	7 16.739	-0.0010	12	-40 24 30.42	0.013	12	0.68	16.792	28	97.9	31.11	26	97.9	A0	CZ	525D	F*-40 110
89	9.3E	8.5H	7 20.803	0.0048	12	-46 31 54.76	-0.003	12	0.63	20.575	28	02.6	54.61	26	02.6	G0	CZ	526	F -46 126
90	9.5E	9.2H	7 50.447	0.0024	12	-44 45 42.48	0.000	12	0.67	50.335	36	02.8	42.50	36	02.8	F0	CZ	528	F -45 133
91	10.5E	9.5H	7 53.534	0.0007	12	-44 20 33.29	-0.007	12	0.64	53.500	31	02.9	32.96	28	02.9	K0	CZ	529	F -44 144
92	10.3E	9.7H	7 59.723	0.0131	12	-40 53 21.20	0.037	12	0.73	59.093	45	01.8	22.99	45	01.8	K0	CZ	530	F -41 112
93	11.4E	10.8H	8 12.326	0.0002	12	-45 29 45.47	-0.014	12	0.65	12.317	31	01.5	44.78	28	01.5	G0	CZ	531	F -45 134
94	9.4E	8.2H	8 16.004	-0.0000	12	-43 13 1.26	0.022	12	0.63	16.004	28	01.9	2.32	26	01.9	G5	CZ	532	F -43 139
95	9.6E	8.1H	8 22.275	0.0011	12	-49 58 47.45	0.005	12	0.61	22.227	28	04.4	47.68	26	04.4	K0	CZ	535	F -50 159
96	9.6E	8.1H	8 22.354	0.0008	12	-42 39 56.57	-0.009	12	0.72	22.316	45	02.3	56.14	45	02.3	K0	CZ	533	F -43 140
97	10.0E	9.5H	8 25.604	0.0014	12	-43 2 59.40	0.033	12	0.70	25.540	45	04.4	* 0.90	45	04.4	A5	CZ	534	F -43 141
98	9.8E	9.3H	8 30.281	0.0031	12	-49 53 30.80	0.001	12	0.69	30.146	45	05.9	30.84	45	05.9	A0	CZ	537	F -50 160
99	11.2E	9.6Z	8 33.596	-0.0025	12	-45 1 39.91	-0.018	12	0.65	33.715	31	01.5	39.03	28	01.5		CZ	536	F -45 136
00	11.0E	9.7H	8 53.382	0.0072	12	-41 37 54.61	0.035	12	0.65	53.025	28	00.2	56.34	26	00.2	F8	CZ	538	F -42 117

215400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER
1	10.3E	9.1H	1 8 56.378	-0.0054	12	-47 49 40.59	0.038	12	0.64	56.633	31	02.5	42.38	28	02.5	G5	CZ	541
2	10.3E	9.9H	8 59.528	-0.0011	12	-42 56 45.12	0.066	12	0.70	59.578	45	04.4	48.13	45	04.4	G0	CZ	540
3	9.8E	9.4H	9 14.064	-0.0019	12	-43 59 36.00	0.025	12	0.64	14.152	31	02.8	37.17	28	02.8	G0	CZ	542
4	9.4E	8.7H	9 22.434	0.0031	12	-45 43 52.28	-0.013	12	0.72	22.289	45	02.8	51.66	45	02.8	F0	CZ	5430
5	10.0E	8.9H	9 33.061	-0.0010	12	-46 10 33.35	-0.045	12	0.64	33.109	31	02.5	31.20	28	02.5	G5	CZ	545
6	11.0E	9.7H	9 35.333	0.0028	12	-41 0 16.22	-0.058	12	0.65	35.194	28	00.2	13.33	26	00.2	G5	CZ	544
7	10.0E	9.3H	9 46.105	-0.0028	12	-46 41 34.78	-0.029	12	0.64	46.238	31	02.5	33.40	28	02.5	F5	CZ	546
8	10.5E	9.9H	9 53.238	-0.0010	12	-41 47 13.87	-0.069	12	0.65	53.288	28	00.5	10.43	26	00.5	F8	CZ	548
9	9.7E	9.1H	9 55.141	0.0012	12	-44 45 45.00	0.005	12	0.72	55.086	45	02.8	45.26	45	02.8	G0	CZ	549
10	10.3E	9.5H	10 2.373	-0.0005	12	-47 22 1.57	-0.014	12	0.64	2.397	31	02.2	0.89	28	02.2	F5	CZ	550
11	9.4E	8.7H	10 10.388	0.0047	12	-49 32 32.34	0.046	12	0.63	10.170	31	03.2	34.50	28	03.2	F2	CZ	5520
12	11.1E	9.9H	10 14.274	-0.0028	12	-41 33 23.09	-0.052	12	0.65	14.414	28	00.3	20.49	26	00.3	G0	CZ	551
13	10.7E	9.0Z	10 20.966	0.0023	12	-48 34 54.17	0.009	12	0.64	20.855	31	02.6	54.61	28	02.6		CZ	553
14	11.4E	9.7Z	10 31.549	0.0006	12	-43 36 45.99	-0.003	12	0.63	31.519	28	02.2	45.84	26	02.2		CZ	555
15	10.3E	9.3H	10 42.908	-0.0018	12	-49 6 28.79	-0.015	12	0.63	42.992	31	03.2	28.10	28	03.2	K0	CZ	557
16	10.2E	9.0H	10 53.088	0.0019	12	-40 52 34.97	-0.020	12	0.73	52.997	45	01.8	34.02	45	01.8	G5	CZ	558
17	10.1E	9.2H	11 26.393	0.0011	12	-42 29 16.08	-0.018	12	0.72	26.340	45	02.3	15.21	45	02.3	K0	CZ	560
18	9.5E	7.8H	11 34.632	0.0003	12	-42 38 12.05	-0.005	12	0.65	34.617	28	00.5	11.81	26	00.5	K0	CZ	562
19	10.0E	9.3H	11 44.427	-0.0026	12	-46 42 20.68	-0.020	12	0.65	44.544	36	04.9	19.77	36	04.9	A2	CZ	565
20	10.0E	8.8H	11 48.917	-0.0000	12	-42 48 10.13	0.006	12	0.67	48.916	36	02.9	10.41	36	02.9	G5	CZ	566
21	10.2E	8.8H	11 53.633	0.0016	12	-40 57 1.06	0.008	12	0.73	53.557	45	01.8	1.45	45	01.8	F8	CZ	567
22		8.3T	12 10.666	-0.0115	22	-42 9 29.40	-0.085	22	1.06	11.200	19	03.6	25.44	19	03.6	G0	GC	1499
23	10.4E	9.0H	12 16.827	0.0006	12	-40 48 48.42	-0.001	12	0.65	16.798	26	99.9	48.37	24	99.9	K0	CZ	569
24	11.4E	9.0Z	12 20.538	0.0029	12	-44 44 1.46	-0.002	12	0.66	20.393	31	00.2	1.36	28	00.2		CZ	572
25	9.2E	8.9H	12 28.084	-0.0002	12	-45 31 55.68	0.028	12	0.64	28.095	28	01.3	57.04	26	01.3	F2	CZ	573
26	10.7E	9.7H	12 31.264	0.0013	12	-46 4 6.21	0.030	12	0.62	31.204	28	03.4	7.60	26	03.4	K2	CZ	574
27	11.0E	9.5Z	12 33.263	0.0009	12	-47 22 44.77	-0.010	12	0.62	32.846	28	03.1	44.30	26	03.1		CZ	575
28		4.9T	12 55.906	0.0636	05	-45 47 53.12	0.190	04	0.24	53.063	09	05.3	+ 2.56	09	00.3	G0	GC	1510
29	9.0E	8.3H	12 57.471	0.0047	12	-44 53 5.85	-0.006	12	0.65	57.244	31	01.5	5.58	28	01.5	F5	CZ	578
30	10.7E	9.5Z	13 24.820	0.0057	12	-48 55 55.65	0.007	12	0.63	24.552	31	03.2	55.99	28	03.2		CZ	580
31	8.7E	8.7H	13 29.465	0.0028	12	-40 13 1.41	0.000	12	0.68	29.321	28	97.9	1.41	26	97.9	F2	CZ	579
32	10.6E	9.3H	13 56.666	-0.0020	12	-47 5 57.70	-0.024	12	0.64	56.760	31	02.8	56.56	28	02.8	K0	CZ	583
33		6.8T	13 57.899	-0.0071	17	-42 16 21.77	0.003	13	0.78	58.244	18	01.4	21.91	21	98.4	K0	GC	1533
34	9.1E	8.3H	14 4.016	0.0009	12	-42 44 38.16	0.037	12	0.70	3.975	45	04.4	39.85	45	04.4	F8	CZ	584
35		7.5T	14 27.350	0.0033	22	-41 26 38.55	0.007	20	1.01	27.197	19	03.2	38.89	19	02.5	K0	GC	1543
36	10.5E	8.9H	14 31.775	0.0008	12	-42 8 5.66	-0.017	12	0.72	31.738	45	02.3	4.84	45	02.3	K2	CZ	586
37	11.2E	8.9H	14 39.016	0.0051	12	-44 17 56.32	-0.006	12	0.64	38.775	31	02.9	56.08	28	02.9	K0	CZ	588
38		8.0T	14 46.800	0.0031	14	-42 47 43.89	-0.006	11	0.70	46.645	22	00.3	43.56	19	94.7	B9	GC	1552
39	10.9E	9.5Z	15 0.256	-0.0020	12	-48 8 38.19	0.002	12	0.64	0.350	31	02.5	38.27	28	02.5		CZ	590
40	9.4E	8.6H	15 14.296	0.0026	12	-40 9 47.55	-0.032	12	0.86	14.165	63	98.9	45.92	57	98.9	K0	CZ	591
41	10.6E	9.4H	15 22.816	-0.0006	12	-44 13 12.19	-0.013	12	0.70	22.842	45	04.9	11.59	45	04.9	F5	CZ	592
42	11.5E	9.7Z	15 29.716	0.0038	12	-43 14 30.12	-0.020	12	0.63	29.532	28	02.0	29.16	26	02.0		CZ	593
43	9.0E	8.2H	15 32.881	-0.0000	12	-46 26 6.16	-0.004	12	0.63	32.882	31	03.2	5.98	28	03.2	G5	CZ	594
44		9.5T	15 39.778	0.0165	22	-41 51 1.33	-0.063	20	1.01	39.006	19	03.2	-58.33	19	02.6	G5	GC	1573
45	10.3E	9.5H	15 50.064	0.0048	12	-49 36 15.85	-0.004	12	0.63	49.841	31	03.2	15.66	28	03.2	G5	CZ	598
46	9.3E	8.3H	15 51.891	0.0021	12	-48 52 14.01	0.010	12	0.63	51.791	31	03.2	14.48	28	03.2	F5	CZ	599
47	11.3E	9.7Z	16 4.138	0.0016	12	-42 26 31.03	-0.010	12	0.65	4.059	28	00.8	30.54	26	00.8		CZ	600
48	8.7E	8.3H	16 8.773	-0.0042	12	-40 22 1.67	-0.035	12	0.86	8.989	63	98.9	-59.89	57	98.9	G5	CZ	601
49	9.2E	8.3H	16 10.531	-0.0036	12	-44 27 35.41	-0.006	12	0.64	10.700	31	02.9	35.12	28	02.9	F2	CZ	602
50		6.7T	16 31.411	0.0002	08	-43 35 45.09	-0.001	06	0.37	31.400	15	05.3	45.03	14	00.7	K2	GC	1587
51	9.6E	8.7H	1 16 40.230	0.0013	12	-46 24 53.05	0.026	12	0.61	40.170	28	03.6	54.25	26	03.6	F8	CZ	605
52	10.0E	8.9H	16 43.189	0.0009	12	-45 11 58.04	-0.007	12	0.63	43.144	28	02.3	57.71	26	02.3	G5	CZ	606
53	11.1E	9.5Z	16 54.686	0.0001	12	-40 15 15.68	-0.012	12	0.68	54.685	28	97.9	15.07	26	97.9		CZ	607
54	9.3E	8.5H	16 58.180	-0.0016	12	-46 53 30.87	-0.023	12	0.62	58.255	28	03.1	29.78	26	03.1	F8	CZ	609
55	10.2E	8.9H	16 59.454	-0.0003	12	-48 25 6.59	0.023	12	0.62	59.468	28	02.8	7.68	26	02.8	K2	CZ	611
56	10.0E	10.1H	17 1.198	-0.0012	12	-40 15 50.77	-0.001	12	0.86	1.261	63	98.9	50.72	57	98.9	K0	CZ	608
57	9.6E	8.1H	17 2.169	0.0058	12	-43 53 20.24	-0.233	12	0.63	1.892	28	02.4	9.13	26	02.4	G5	CZ	610
58	10.8E	9.3Z	17 21.704	0.0037	12	-41 6 9.19	0.059	12	0.64	21.523	26	00.8	12.10	24	00.8		CZ	612
59	9.0E	9.1H	17 22.445	0.0051	12	-48 33 26.14	0.021	12	0.66	22.208	36	03.9	27.12	36	03.9	A2	CZ	613
60	9.2E	7.3H	17 24.600	-0.0023	12	-47 33 16.24	-0.008	12	0.62	24.707	28	03.1	15.86	26	03.1	MB	CZ	615
61	10.0E	9.1H	17 27.535	-0.0014	12	-42 49 43.11	-0.033	12	0.62	27.603	26	01.9	41.52	24	01.9	F8	CZ	614
62	10.9E	9.4Z	17 39.853	0.0039	12	-44 15 34.20	0.005	12	0.63	39.667	28	02.4	34.44	26	02.4		CZ	616
63	9.8E	9.7H	17 50.069	0.0007	12	-45 43 15.16	0.001	12	0.62	50.036	26	02.3	15.20	24	02.3	A2	CZ	618
64	8.4E	8.0H	18 11.602	0.0093	12	-48 56 20.89	0.062	12	0.70	11.181	45	04.9	23.69	45	04.9	F5	CZ	622
65	10.7E	9.4Z	18 12.188	0.0041	12	-49 3 40.99	0.039	12	0.63	11.996	31	03.2	42.82	28	03.2		CZ	623
66		8.1T	18 27.246	0.0009	17	-49 49 33.80	0.006	13	0.77	27.201	18	02.1	34.11	21	97.8	K0	GC	1631
67	10.2E	9.6H	18 53.947	-0.0017	12	-40 29 39.36	0.013	12	0.86	54.035	63	98.9	40.03	57	98.9	F5	CZ	625
68	9.9E	8.5H	19 1.527	-0.0045	12	-47 47 29.41	-0.076	12	0.71	1.734	45	03.9	25.90	45	03.9	F8	CZ	626
69	9.2E	9.3H	19 2.753	0.0038	12	-49 54 10.96	0.009	12	0.69	2.585	45	05.4	11.36	45	05.4	A3	CZ	627
70	10.2E	9.2H	19 12.434	0.0008	12	-46 1 0.12	0.019	12	0.63	12.397	31	03.2	1.00	28	03.2	G5	CZ	629
71	8.9E	8.7H	19 15.586	0.0013	12	-41 13 59.71	0.021	12	0.74	15.523	45	00.3	+ 0.76	45	00.3	F5	CZ	628
72	10.2E	9.5H	19 17.500	0.0025	12	-42 23 52.03	-0.001	12	0.66	17.374	28	99.5	51.98	26	99.5	A3	CZ	630
73		7.6T	19 20.778	0.0127	11	-45 23 58.03	0.085	09	0.57	20.111	18	97.4	+ 2.90	17	92.6	F0	GC	1646
74	10.4E	9.9H	19 41.510	0.0059	12	-44 55 20.50	0.029	12	0.72	41.233	45	02.8	21.89	45	02.8	G0	CZ	634
75	9.7E	9.1H	19 41.758	0.0088	12	-49 37 54.66	-0.001	12	0.63	41.348	31	03.2	54.62	28	03.2	F5	CZ	635
76	10.6E	9.7H	19 59.980	0.0008	12	-40 44 6.56	-0.010	12	0.68	59.939	28	97.9	6.05	26	97.9	K2	CZ	636
77	8.8E	8.8H	20 0.927	0.0006	12	-46 28 58.07	0.005	12	0.63	0.900	31	03.2	58.31	28	03.2	A2	CZ	637
78		7.4T	20 12.210	0.0126	11	-43 51 50.44	0.050	07	0.53	11.567	18	98.8	53.47	17	89.1	F0	GC	1664
79	9.2E	8.9H	20 14.417	-0.0020	12	-47 33 19.09	-0.055	12	0.64	14.511	31	02.9	16.49	28	02.9	F0	CZ	639
80	9.7E	8.7H	20 19.036	-0.0075	12	-47 58 9.23	-0.122	12	0.64	19.392	31	02.5	3.41	28	02.5	G0	CZ	640
81	9.5E	8.6H	21 1.587	-0.0017	12	-43 24 37.53	-0.042	12	0.66	1.671	28	99.2	35.38	26	99.2	F5	CZ	641
82	10.5E	9.1H	21 5.339	0.0110	12	-42 40 28.26	0.040	12	0.73	4.799	45	00.9	30.23	45	00.9	G0	CZ	642
83	10.6E	9.9H	21 6.032	0.0012	12	-44 55 56.05	-0.025	12	0.72	5.977	45	02.8	54.89	45	02.8	G5	CZ	643
84		7.8T	21 23.955	0.0052	10	-41 31 46.15	-0.066	09	0.43	23.733	14	07.2	43.21	15	05.7	F8	GC	1693
85	10.5E	9.9H	21 27.183	0.0054	12	-42 3 53.54	0.030	12	0.65	26.934	28	99.9	55.03	26	99.9	F8	CZ	645
86		7.4T	21 27.504	-0.0011	12	-41 12 54.42	-0.064	09	0.60	27.561	18	98.6	50.77	17	92.8	K0	GC	1694K
87	10.6E	8.9Z	21 31.892	-0.0066	12	-49 5 3.32	-0.044	12	0.64	32.202	31	02.8	1.25	28	02.8		CZ	647
88	10.7E	9.1Z	21 45.988	0.0001	12	-47 2 50.38	-0.001	12	0.61	45.983	28	03.6	50.33	26	03.6		CZ	648
89	9.4E	9.5H	22 0.666	0.0014	12	-49 46 38.46	0.005	12	0.70	0.605	45	04.9	38.68	45	04.9	A5	CZ	649
90	10.5E	9.3H	22 20.779	0.0004	12	-42 41 9.47	-0.021	12	0.63	20.759	26	01.1	8.44	24	01.1	K0	CZ	650
91		7.5T	22 24.541	-0.0002	16	-45 58 52.62	0.042	13	0.75	24.549	17	01.3	54.76	18	98.9	K0	GC	1709
92		5.3T	22 28.110	0.0015	04	-41 45 7.70	-0.026	04	0.20	28.040	09	02.9	6.38	09	99.9	K0	GC	1711
93	10.0E	10.3H	22 31.320	0.0043	12	-40 10 3.80	-0.027	12	0.86	31.102	63	98.9	2.44	57	98.9	G0	CZ	654
94		6.4T	22 31.733	-0.0012	06	-44 47 18.08	-0.012	05	0.24	31.779	10	10.0	17.53	10	04.4	K0	GC	1716
95	10.9E	8.7H	22 38.380	0.0019	12	-43 1 29.34	0.005	12	0.63	38.287	26	00.9	29.59	24	00.9	MA	CZ	656
96	10.0E	9.7H	22 41.405	-0.0024	12	-40 10 55.97	-0.017	12	0.67	41.531	28	98.4	55.10	26	98.4	K0	CZ	657
97	9.5E	8.6H	22 53.786	-0.0007	12	-45 52 17.15	0.006	12	0.64	53.817	36	05.6	17.42	36	05.6	K0	CZ	659
98		8.3T	23 5.022	0.0021	16	-46 11 11.97	-0.034	12	0.74	4.919	18	01.8	10.16	19	97.0	MB	GC	1723
99	9.9E	10.3H	23 5.719	0.0020	12	-46 12 3.86	0.015	12	0.69	5.630	45	05.4	4.52	45	05.4	A3	CZ	661
00	11.5E	9.7Z	23 12.922	0.0013	12	-43 18 8.64	-0.007	12	0.64	12.857	28	01.5	8.29	26	01.5		CZ	662

-40°

1H

DM NUMBER
P -48 144
P -43 144
P -44 149
P*-46 121
P -46 122
P -41 114
P -47 138
P -42 118
P -45 138
P -47 139
P*-49 160
P -41 117
P -48 147
P -44 151
P -49 161
P -41 118
P -42 124
P -43 148
P -47 142
P -43 150
P -41 120
C -42 432
P -41 121
P -45 140
P -45 141
P -46 126
P -47 144
C*-46 346
P -45 143
P -49 165
P -40 116
P -47 145
C*-42 446
P -43 152
C -41 319
P -42 129
P -44 160
C -43 371
P -48 152
P -40 119
P -44 161
P -43 154
P -46 132
C -42 453
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P -44 162
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P -43 164
C -46 391
C*-42 493
P -40 131
C -45 463
P -43 165
P -40 132
P -46 148
C -46 394
P -46 150
P -43 167

215500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 1H DM NUMBER
1	10.9E	8.8Z	1 23 22.921	0.0001	12	-47 29 13.13	-0.006	12	0.64	22.916	31	02.8	12.84	28	02.8		CZ	665	P -47 164
2	9.9E	9.9H	23 41.893	0.0022	12	-48 2 38.37	0.008	12	0.71	41.792	45	03.9	38.72	45	03.9	A5	CZ	666	P -48 164
3	8.9E	8.0H	23 49.360	-0.0023	12	-48 9 23.41	-0.111	12	0.64	49.468	31	02.5	18.13	28	02.5	G5	CZ	667	P -48 165
4		7.9T	23 51.896	0.0037	16	-46 9 10.93	0.003	12	0.74	51.716	18	01.7	11.08	19	96.8	K0	GC	1737	C -46 400
5	10.5E	9.9H	24 27.260	0.0012	12	-49 58 49.25	-0.015	12	0.63	27.205	31	03.2	48.55	28	03.2	G0	CZ	670	P -50 194
6	8.5E	7.7H	24 30.874	0.0002	12	-40 44 33.07	-0.011	12	0.66	30.864	24	98.1	32.51	20	98.1	K5	CZ	669	P -41 133
7		6.7T	24 45.990	0.0050	16	-42 0 23.13	-0.023	13	0.76	45.743	17	00.5	21.92	18	98.0	K2	GC	1755	C -42 508
8	9.8E	8.7H	24 47.276	0.0039	12	-49 31 16.32	0.003	12	0.70	47.100	45	04.4	16.46	45	04.4	K2	CZ	672	P -49 184
9	9.2E	8.8H	25 0.926	0.0023	12	-41 30 27.36	0.011	12	0.66	0.811	28	99.5	27.90	26	99.5	F5	CZ	673	P -41 135
10		7.1T	25 21.121	0.0018	15	-46 6 19.20	0.030	12	0.72	21.031	17	00.7	20.76	18	97.7	K0	GC	1770	C -46 406
11	10.6E	9.4H	25 21.148	-0.0097	12	-44 11 30.36	-0.102	12	0.66	21.624	31	00.8	25.34	28	00.8	G0	CZ	675	P -44 178
12	10.2E	9.3H	25 21.250	0.0024	12	-40 42 51.27	-0.013	12	0.86	21.128	63	98.9	50.62	57	98.9	F0	CZ	674	P -41 136
13		7.7T	25 26.970	0.0021	17	-46 24 37.37	0.016	13	0.77	26.868	19	02.1	38.18	18	98.9	A0	GC	1771	C -46 407
14	9.8E	8.5H	25 31.716	0.0045	12	-48 45 45.62	0.044	12	0.64	31.503	31	02.8	47.71	28	02.8	K0	CZ	678	P -49 185
15	10.3E	9.3H	25 57.714	0.0102	12	-45 20 7.27	0.082	12	0.64	57.226	31	02.2	11.19	28	02.2	G5	CZ	679	P -45 163
16		3.4H	26 11.776	-0.0015	02	-43 34 25.94	-0.203	02	0.10	11.833	05	10.7	18.12	05	11.5	K5	F4	49	C -43 449
17		7.1T	26 13.648	0.0002	13	-49 15 52.65	0.002	12	0.68	13.638	18	99.1	52.77	18	97.4	G0	GC	1788	C -49 410
18	9.4E	9.2H	26 36.135	-0.0043	12	-49 2 33.14	-0.018	12	0.70	36.330	45	04.4	32.32	45	04.4	F2	CZ	683	P -49 190
19	10.3E	8.8H	26 45.325	0.0008	12	-40 54 21.19	-0.005	12	0.66	45.285	28	99.3	20.95	26	99.3	K0	CZ	684	P -41 137
20	9.4E	8.2H	27 3.786	0.0032	12	-41 6 36.21	-0.016	12	0.69	3.629	36	00.9	35.44	36	00.9	G5	CZ	685	P -41 139
21	10.4E	9.5H	27 4.595	0.0019	12	-41 42 14.75	-0.032	12	0.69	4.502	36	00.9	13.17	36	00.9	F5	CZ	686	P -42 141
22	10.6E	8.8H	27 7.220	0.0006	12	-42 5 25.58	-0.017	12	0.62	7.192	26	01.9	24.74	24	01.9	K0	CZ	687	P -42 142
23	9.6E	8.8H	27 16.435	-0.0006	12	-48 11 51.36	0.007	12	0.62	16.463	28	02.8	51.68	26	02.8	F5	CZ	689	P -48 171
24	9.3E	8.1H	27 16.608	-0.0001	12	-43 24 48.53	-0.075	12	0.65	16.611	36	05.2	45.16	36	05.2	K0	CZ	688	P -43 175
25		6.3T	27 23.533	-0.0015	15	-47 0 52.37	0.019	12	0.71	23.609	17	00.9	53.37	18	96.8	MB	GC	1813	C -47 440
26	10.3E	9.7H	27 25.343	0.0008	12	-45 4 1.43	0.015	12	0.63	25.303	28	02.3	2.14	26	02.3	K0	CZ	690	P -45 165
27	9.8E	9.3H	27 33.611	0.0173	12	-41 6 17.02	0.059	12	0.66	32.736	28	99.4	20.02	26	99.4	G0	CZ	692	P -41 140
28	9.1E	8.7H	27 37.774	0.0015	12	-41 26 45.89	0.046	12	0.74	37.726	45	00.4	48.16	45	00.4	F0	CZ	694	P -41 141
29	10.1E	9.2H	27 49.925	0.0018	12	-43 6 21.11	0.003	12	0.68	49.848	45	07.4	21.23	45	07.4	F8	CZ	695	P -43 177
30	9.5E	9.1H	27 50.584	0.0076	12	-48 36 36.72	0.044	12	0.62	50.524	28	02.9	38.80	26	02.9	G5	CZ	696	P -49 195
31	9.7E	9.3H	28 12.589	0.0124	12	-40 55 4.33	-0.051	12	0.74	11.974	45	00.4	6.88	45	00.4	G0	CZ	697	P -41 143
32	10.3E	9.4H	28 20.499	0.0021	12	-42 57 51.89	-0.022	12	0.61	20.402	28	03.9	50.87	26	03.9	F8	CZ	698	P -43 178
33	10.5E	10.3H	28 51.562	0.0011	12	-40 38 45.53	-0.033	12	0.86	51.507	63	98.9	43.85	57	98.9	G0	CZ	699	P -41 144
34	9.8E	9.3H	28 56.251	-0.0033	12	-47 31 16.73	-0.003	12	0.64	56.406	31	02.9	16.58	28	02.9	F8	CZ	700	P -47 173
35	10.1E	9.2H	29 2.291	-0.0008	12	-46 38 57.91	-0.017	12	0.63	2.329	28	02.5	57.10	26	02.5	F8	CZ	701D	P*-47 174
36		4.0H	29 10.327	0.0140	02	-49 19 55.20	0.159	03	0.11	9.763	06	09.7	+ 1.10	05	12.9	K0	F4	1044	C -49 425
37		7.9T	29 21.721	-0.0049	17	-44 54 44.66	-0.011	13	0.77	21.953	18	02.2	44.09	21	99.0	F2	GC	1854	C -45 500
38	8.8E	7.8H	29 23.214	0.0073	12	-44 6 13.20	-0.017	12	0.63	22.874	31	03.5	12.41	28	03.5	F5	CZ	706	P -44 182
39		6.3T	29 31.723	-0.0004	08	-45 49 57.41	0.012	08	0.48	31.744	18	93.5	58.11	17	91.1	A0	GC	1857K	C*-46 420
40	9.7E	9.7H	29 43.954	0.0009	12	-40 50 44.32	-0.003	12	0.74	43.910	45	00.4	44.19	45	00.4	A3	CZ	708	P -41 146
41	10.9E	10.1H	29 43.977	-0.0027	12	-46 9 13.96	0.010	12	0.70	44.101	45	04.4	14.42	45	04.4	K0	CZ	709	P -46 162
42	8.5E	8.6H	30 10.213	-0.0007	12	-41 45 45.91	0.007	12	0.62	10.246	24	01.7	46.25	22	01.7	F0	CZ	711	P -42 143
43	10.4E	9.9H	30 23.773	0.0002	12	-46 23 22.31	0.005	12	0.70	23.764	45	04.4	22.53	45	04.4	G5	CZ	713	P -46 163
44	10.6E	9.9H	30 25.714	-0.0019	12	-40 3 27.20	-0.022	12	0.68	25.812	28	97.9	26.08	26	97.9	K0	CZ	712	P -40 137
45		7.9T	30 29.024	0.0169	16	-49 47 1.41	-0.043	12	0.72	28.206	17	01.7	-59.13	17	97.3	G0	GC	1874	C -50 410
46	9.8E	9.2H	30 29.135	0.0002	12	-48 54 6.23	-0.028	12	0.70	29.127	45	04.4	4.96	45	04.4	K0	CZ	714	P -49 199
47		6.4T	30 33.546	-0.0033	07	-49 58 59.27	-0.071	06	0.30	33.660	14	09.0	55.80	14	01.4	F5	GC	1876	C -50 411
48	9.0E	8.8H	30 34.728	-0.0006	12	-48 52 4.22	0.019	12	0.64	34.702	31	02.9	5.12	28	02.9	F8	CZ	718	P -49 200
49	10.2E	9.0H	30 35.968	-0.0011	12	-41 30 39.28	-0.028	12	0.66	36.023	28	99.5	37.87	26	99.5	K0	CZ	716	P -41 148
50	10.0E	8.8H	30 36.114	0.0003	12	-44 59 44.10	-0.025	12	0.65	36.098	31	01.5	42.88	28	01.5	K2	CZ	717	P -45 173
51	10.5E	9.5H	1 30 42.701	0.0004	12	-44 17 4.21	0.000	12	0.69	42.681	45	05.9	4.22	45	05.9	K2	CZ	720	P -44 184
52	10.1E	9.5H	30 44.897	0.0135	12	-47 31 8.02	-0.090	12	0.70	44.286	45	04.9	3.95	45	04.9	A3	CZ	721	P -47 176
53	10.7E	10.1H	30 45.776	0.0006	12	-46 10 16.24	-0.023	12	0.64	45.752	31	02.6	15.14	28	02.6	F5	CZ	722	P -46 164
54	9.7E	8.9H	31 8.869	0.0020	12	-44 24 26.47	-0.080	12	0.69	8.779	45	05.9	22.95	45	05.9	K0	CZ	724	P -44 185
55		8.4T	31 11.071	-0.0045	14	-47 33 55.27	0.193	13	0.55	11.243	17	11.9	+ 2.74	17	11.4	G0	GC	1887	C -47 463
56	8.8E	7.6H	31 17.146	0.0183	12	-44 9 30.10	0.049	12	0.69	16.340	45	05.9	32.26	45	05.9	K0	CZ	726	P -44 187
57	11.3E	9.6Z	31 25.464	-0.0030	12	-42 18 31.93	-0.007	12	0.64	25.607	28	01.6	31.61	26	01.6		CZ	727	P -42 145
58	10.5E	9.3H	31 27.826	0.0017	12	-48 15 4.17	0.011	12	0.64	27.744	31	02.5	4.71	28	02.5	K2	CZ	729	P -48 179
59	10.2E	9.7H	31 28.356	-0.0001	12	-40 10 2.83	-0.032	12	0.86	28.341	63	98.9	1.22	57	98.9	K0	CZ	728	P -40 138
60	9.8E	8.6H	31 44.410	0.0019	12	-44 36 15.57	0.004	12	0.62	44.323	28	03.3	15.76	26	03.3	K0	CZ	730	P -44 188
61	9.7E	9.4H	31 50.885	-0.0007	12	-41 41 24.02	-0.009	12	0.70	50.919	36	99.9	23.57	36	99.9	F5	CZ	732	P -42 146
62	9.8E	8.6H	31 52.217	-0.0006	12	-44 39 9.16	0.009	12	0.65	52.246	36	04.9	9.58	36	04.9	K0	CZ	733	P -45 176
63	11.6E	9.2Z	31 54.597	-0.0004	12	-43 29 51.33	-0.019	12	0.61	54.617	26	03.1	50.45	24	03.1		CZ	734	P -43 183
64	10.7E	9.5Z	31 59.319	-0.0008	12	-44 11 4.98	-0.015	12	0.62	59.358	28	03.4	4.29	26	03.4		CZ	735	P -44 189
65	10.8E	9.4Z	32 9.773	0.0019	12	-49 22 38.58	0.016	12	0.62	9.685	28	03.4	39.33	26	03.4		CZ	737	P -49 203
66		9.4T	32 11.065	0.0193	22	-40 9 26.39	0.014	20	1.01	10.164	19	03.2	27.04	19	02.6	K0	GC	1902	C -40 384
67		6.9T	32 13.702	0.0105	10	-45 56 52.20	0.097	08	0.54	13.137	18	96.3	58.02	17	90.3	G5	GC	1908K	C*-46 433
68	10.3E	9.0H	32 18.754	0.0001	12	-41 5 14.25	-0.008	12	0.65	18.751	26	99.2	13.85	24	99.2	K2	CZ	739	P -41 151
69	10.9E	9.4H	32 22.773	0.0002	12	-42 59 39.04	0.019	12	0.61	22.763	26	03.2	39.93	24	03.2	G0	CZ	740	P -43 184
70	11.8E	9.2Z	32 54.201	-0.0012	12	-42 5 23.64	0.019	12	0.65	54.262	28	99.9	24.57	26	99.9		CZ	743	P -42 147
71		9.4T	33 20.612	-0.0024	17	-42 34 51.99	-0.033	17	0.84	20.728	19	01.9	50.42	19	01.9	F8	GC	1936	C -42 554
72	9.6E	8.4H	33 27.435	0.0058	12	-40 5 35.27	0.033	12	0.68	27.134	28	97.9	36.99	26	97.9	MA	CZ	745	F -40 140
73		6.5T	33 39.590	-0.0035	09	-40 12 5.91	-0.066	08	0.36	39.732	12	09.9	3.20	14	09.2	F2	GC	1943	C -40 395
74	9.4E	7.9H	33 41.707	0.0026	12	-43 15 19.25	-0.132	12	0.63	41.580	28	02.0	12.90	26	02.0	G5	CZ	747	F -43 186
75	10.5E	9.5Z	33 57.820	-0.0059	12	-44 33 34.57	-0.027	12	0.69	58.079	45	05.9	33.37	45	05.9		CZ	748	F -44 197
76	10.3E	9.9H	33 59.845	-0.0003	12	-48 59 56.84	-0.002	12	0.70	59.859	45	04.4	56.76	45	04.4	F5	CZ	750	P -49 208
77	10.1E	9.7H	34 1.418	-0.0009	12	-44 20 40.79	-0.015	12	0.63	1.459	31	03.5	40.08	28	03.5	A2	CZ	749	P -44 198
78	9.5E	8.4H	34 13.099	-0.0026	12	-41 33 45.10	-0.007	12	0.66	13.232	28	99.3	44.73	26	99.3	F8	CZ	751	P -41 154
79	9.8E	9.2H	34 34.657	0.0004	12	-45 3 36.13	0.011	12	0.65	34.639	31	01.5	36.67	28	01.5	G5	CZ	753	F -45 182
80	9.0E	9.0H	34 34.897	-0.0026	12	-40 24 11.30	-0.015	12	0.86	35.032	63	98.9	10.54	57	98.9	F5	CZ	752D	P*-40 143
81		6.9T	34 45.672	-0.0021	12	-49 3 31.57	0.039	09	0.57	45.779	17	99.2	33.78	17	93.2	G5	GC	1961	C -49 447
82	9.8E	9.1H	34 55.025	0.0005	12	-42 38 29.55	0.031	12	0.66	55.001	28	99.6	31.11	26	99.6	G0	CZ	755	P -43 187
83	8.4E	7.7H	35 4.577	-0.0052	12	-48 32 39.25	-0.093	12	0.64	4.824	31	02.5	34.85	28	02.5	F5	CZ	757	P -48 186
84	8.1E	8.7H	35 7.921	-0.0010	12	-40 25 52.38	0.012	12	0.86	7.973	63	98.9	53.00	57	98.9	A0	CZ	756	P -40 146
85	10.0E	9.5H	35 19.152	0.0022	12	-45 55 56.61	0.012	12	0.70	19.050	45	04.4	57.16	45	04.4	F8	CZ	759	P -46 168
86	8.6E	8.2H	35 27.910	0.0038	12	-47 21 57.72	-0.005	12	0.64	27.733	31	02.8	57.48	28	02.8	A5	CZ	761	P -47 187
87	10.6E	10.1H	35 34.892	0.0009	12	-49 31 11.55	0.106	12	0.64	34.848	31	02.9	16.55	28	02.9	G0	CZ	762	F -49 215
88	8.3E	7.8H	35 41.816	-0.0044	12	-47 25 56.34	0.019	12	0.70	42.016	45	04.9	57.19	45	04.9	K0	CZ	763	P -47 188
89		7.0T	35 58.276	0.0037	09	-46 20 16.93	0.015	07	0.33	58.131	12	11.0	17.55	12	07.6	K0	GC	1981	C -46 453
90	11.2E	9.1Z	36 10.662	0.0007	12	-41 15 38.97	-0.002	12	0.66	10.628	28	99.2	38.85	26	99.2		CZ	765	P -41 157
91	7.7E	7.4H	36 12.828	0.0012	12	-48 11 19.71	0.030	12	0.62	12.770	28	03.1	21.12	26	03.1	A3	CZ	767	P -48 189
92		6.8T	36 22.840	-0.0042	08	-43 10 53.26	-0.026	06	0.37	23.029	14	05.0	51.99	14	00.2	F0	GC	1993	C -43 503
93	9.9E	10.1H	36 25.004	-0.0019	12	-45 53 9.41	-0.009	12	0.66	25.090	36	03.9	9.00	36	03.9	F8	CZ	769	P -46 172
94	10.8E	9.6Z	36 31.315	0.0046	12	-46 59 5.95	0.001	12	0.62	31.102	28	03.4	6.00	26	03.4		CZ	771	P -47 191
95	9.7E	9.5H	36 32.321	0.0017	12	-45 7 59.54	0.014	12	0.67	32.242	36	02.9	+ 0.20	36	02.9	F5	CZ	770	P -45 185
96		8.0T	36 36.273	0.0048	16	-44 50 53.85	0.062	11	0.72	36.038	17	01.4	57.20	18	96.2	F8	GC	2002K	C*-45 542
97	9.4E	9.0H	36 39.232	0.0028	12	-40 44 24.35	0.024	12	0.86	39.091	63	98.9	25.58	57	98.9	A2	CZ	772	P -41 158
98	9.1E	8.1H	36 52.946	0.0045	12	-46 1 42.34	-0.013	12	0.63	52.731	28	02.6	41.73	26	02.6	G5	CZ	774	P -46 173
99	9.5E	9.9H	36 54.344	0.0067	12	-47 55 25.12	-0.017	12	0.65	54.039	36	04.2	24.33	36	04.2	G5	CZ	775	P -48 193
00	9.9E	8.7H	37 4.722	0.0023	12	-47 40 3.32	0.005	12	0.62	4.617	28	03.4	3.54	26	03.4	K2	CZ	777	P -48 194

215600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.1T	1 37 6.030	0.0031	14	-49 1 44.30	0.043	12	0.71	5.874	18	99.5	46.64	19	95.3	A0	GC	2012	C -49 464
2	10.0E	9.4H	37 8.632	-0.0013	12	-41 44 4.40	-0.026	12	0.65	8.699	26	99.7	3.07	24	99.7	A0	CZ	776	P -42 155
3	10.3E	9.2Z	37 20.247	0.0036	12	-47 20 1.85	-0.030	12	0.65	20.083	36	04.9	0.29	36	04.9		CZ	779	P -47 184
4	11.3E	9.6Z	37 30.384	0.0007	12	-49 59 7.53	0.037	12	0.63	30.289	31	03.2	9.27	28	03.2		CZ	780	P -50 223
5	9.4E	9.4H	37 41.042	0.0041	12	-48 15 45.06	0.008	12	0.62	40.852	28	03.1	45.45	26	03.1	F5	CZ	782	P -48 195
6	10.9E	9.9H	37 44.805	-0.0001	12	-40 57 48.39	-0.013	12	0.66	44.811	28	99.0	47.73	26	99.0	K5	CZ	781	P -41 162
7		7.4T	38 4.628	-0.0005	15	-49 0 49.58	0.014	12	0.72	4.693	17	00.4	50.31	18	97.5	M0	GC	2035	C -49 488
8	10.3E	9.7H	38 7.388	0.0004	12	-44 6 58.35	0.008	12	0.72	7.376	45	02.4	58.72	45	02.4	F5	CZ	783	P -44 210
9	9.8E	9.2H	38 18.948	0.0015	12	-45 17 18.42	0.020	12	0.65	18.894	31	01.5	19.39	28	01.5	F2	CZ	785D	P -45 188
10	10.6E	10.0H	38 19.436	0.0041	12	-45 17 25.78	-0.025	12	0.72	19.242	45	02.9	24.70	45	02.9	F2	CZ	784D	P -45 188
11	10.0E	9.5H	38 20.210	0.0031	12	-48 9 55.56	0.001	12	0.69	20.072	45	05.4	55.60	45	05.4	K0	CZ	787	P -48 197
12	10.7E	9.4H	38 25.406	0.0037	12	-43 21 44.77	-0.095	12	0.66	25.217	28	99.6	39.96	26	99.6	G0	CZ	788	P -43 181
13	10.1E	9.3H	38 33.144	-0.0034	12	-41 23 42.67	-0.081	12	0.74	33.315	45	99.9	39.60	45	99.9	G0	CZ	789	P -41 163
14	10.5E	9.5H	38 56.664	0.0029	12	-44 7 45.42	0.041	12	0.65	56.520	31	01.2	47.41	28	01.2	G0	CZ	790	P -44 211
15	10.4E	9.5Z	39 1.679	0.0012	12	-45 39 13.85	0.007	12	0.72	1.622	45	02.9	14.18	45	02.9		CZ	791	P -46 176
16	9.9E	9.7H	39 28.093	0.0234	12	-45 40 16.71	0.003	12	0.65	28.958	31	01.5	16.86	28	01.5	G0	CZ	793	P -46 177
17		9.1T	39 28.443	-0.0035	22	-40 39 22.79	-0.042	20	1.01	28.609	19	03.1	20.78	19	02.6	K0	GC	2071	C -41 461
18	8.9E	8.7H	39 30.853	0.0041	12	-46 15 34.71	0.010	12	0.64	30.657	31	02.5	35.19	28	02.5	F0	CZ	794	P -46 178
19	10.4E	9.6Z	39 50.670	0.0084	12	-48 3 59.46	0.015	12	0.63	50.560	31	03.6	0.15	28	03.6		CZ	797	P -48 201
20	8.8E	8.3H	39 54.004	0.0001	12	-41 22 10.63	-0.007	12	0.66	54.000	28	99.0	10.25	26	99.0	A0	CZ	796	P -41 165
21	10.7E	9.6Z	39 54.080	0.0081	12	-49 13 18.75	0.039	12	0.63	53.714	31	03.6	20.58	28	03.6		CZ	799	P -49 228
22	11.4E	9.5Z	40 20.639	0.0021	12	-46 55 58.06	-0.012	12	0.63	20.543	31	03.2	57.52	28	03.2		CZ	800	P -47 199
23	10.3E	9.0Z	40 26.973	-0.0003	12	-45 39 42.09	-0.000	12	0.72	26.986	45	02.9	42.09	45	02.9		CZ	801	P -46 179
24	9.1E	7.9H	40 34.739	-0.0007	12	-41 53 55.10	-0.031	12	0.66	34.775	28	99.2	53.50	28	99.2	K0	CZ	802	P -42 159
25	9.3E	8.8H	40 45.924	0.0033	12	-45 8 10.52	-0.024	12	0.65	45.765	31	01.5	9.36	28	01.5	F8	CZ	803	P -45 195
26	10.9E	9.1H	41 49.896	0.0019	12	-44 21 42.83	-0.010	12	0.65	49.800	28	00.4	42.33	26	00.4	K0	CZ	804	P -44 213
27	11.1E	10.3H	42 6.346	0.0002	12	-42 30 30.80	-0.004	12	0.65	6.336	26	99.4	30.60	24	99.4	G0	CZ	806	P -42 161
28	10.8E	10.0Z	42 12.819	0.0014	12	-47 36 9.44	0.002	12	0.61	12.756	28	03.9	9.53	26	03.9		CZ	808	P -47 204
29	11.9E	9.3Z	42 13.697	0.0014	12	-40 12 45.12	-0.021	12	0.67	13.628	28	98.6	44.05	26	98.6		CZ	807	P -40 153
30	9.0E	9.3H	42 19.232	0.0080	12	-45 51 48.13	0.009	12	0.62	18.812	28	03.4	48.55	26	03.4	F8	CZ	809	P -46 183
31	11.0E	9.8Z	42 25.095	-0.0013	12	-48 26 16.96	0.008	12	0.63	25.157	31	03.6	17.35	28	03.6		CZ	811	P -48 206
32	8.7E	8.2H	42 31.624	0.0019	12	-45 30 22.13	0.025	12	0.69	31.530	36	01.2	23.35	36	01.2	G5	CZ	812	P -45 196
33	9.3E	8.6H	42 46.684	0.0010	12	-49 44 28.09	-0.059	12	0.63	46.635	31	03.6	25.36	28	03.6	F8	CZ	815	P -50 239
34	8.8E	8.3H	42 48.956	0.0021	12	-43 53 45.93	0.015	12	0.74	48.849	45	99.9	46.67	45	99.9	F0	CZ	813	P -44 214
35	8.7E	8.3H	43 15.595	0.0032	12	-45 19 51.79	-0.045	12	0.67	15.433	31	99.8	49.53	28	99.8	F5	CZ	816	P -45 197
36	11.2E	9.7Z	43 29.308	0.0018	12	-49 16 31.79	-0.011	12	0.63	29.225	31	03.5	31.29	28	03.5		CZ	817	P -49 232
37	9.6E	9.2H	43 46.625	-0.0014	12	-43 4 39.09	-0.017	12	0.73	46.494	45	00.9	38.25	45	00.9	G5	CZ	818	P -43 199
38		8.6T	43 54.451	0.0071	18	-44 9 49.86	-0.006	18	0.84	54.137	24	06.0	49.60	24	05.5	G5	GC	2157	C -44 512
39	9.3E	9.3H	44 2.946	0.0040	12	-40 29 54.76	0.029	12	0.68	2.740	28	97.9	56.27	26	97.9	F8	CZ	820	P -40 154
40		8.1T	44 7.056	-0.0005	17	-42 37 51.65	-0.015	13	0.77	7.080	18	02.2	50.91	21	99.1	K5	GC	2162	C -43 544
41	8.6E	8.6H	44 8.445	-0.0029	12	-45 32 25.93	-0.042	12	0.67	8.589	31	99.9	23.82	28	99.9	F2	CZ	822	P -45 198
42		9.4T	44 11.645	-0.0014	22	-47 11 50.04	-0.100	20	1.00	11.712	19	03.9	45.29	19	02.7	F8	GC	2164	C -47 536
43	10.3E	9.7H	44 15.556	0.0086	12	-45 6 13.48	0.001	12	0.67	15.427	31	99.9	13.53	28	99.9	G0	CZ	825	P -45 199
44	10.3E	10.0Z	44 31.326	-0.0020	12	-40 11 38.70	-0.012	12	0.86	31.430	63	98.9	38.09	57	98.9	A5	CZ	826	P -40 155
45	8.6E	8.5Z	44 32.088	-0.0021	12	-40 11 39.23	-0.018	12	0.86	32.198	63	98.9	38.31	57	98.9	A5	CZ	827	P -40 155
46		8.5T	44 34.907	0.0058	13	-43 34 8.38	0.000	12	0.70	34.616	15	00.1	8.39	18	95.2	G5	GC	2173	C -43 546
47		7.7T	44 39.957	0.0054	13	-42 22 52.44	-0.041	12	0.67	39.685	15	99.5	50.26	17	96.7	K2	GC	2175	C -42 630
48	9.2E	8.5H	44 50.067	0.0022	12	-49 53 45.60	-0.018	12	0.63	49.962	31	03.2	44.77	28	03.2	G5	CZ	831	P -50 243
49	11.3E	9.1Z	45 1.767	0.0002	12	-41 12 0.66	-0.006	12	0.66	1.759	28	99.1	0.36	26	99.1		CZ	832	P -41 168
50		6.1T	45 9.717	0.0017	11	-42 0 35.33	0.047	08	0.54	9.629	15	97.5	38.06	17	92.1	K2	GC	2182	C -42 633
51		7.7T	1 45 12.008	-0.0012	14	-42 53 16.76	0.000	14	0.73	12.067	18	00.6	16.78	18	99.8	A5	GC	2183	C -43 552
52	10.2E	9.5H	45 16.889	0.0001	12	-49 40 37.47	-0.014	12	0.63	16.883	31	03.5	36.85	28	03.5	K2	CZ	835	P -50 247
53	9.7E	8.9H	45 21.085	0.0074	12	-48 28 25.25	-0.012	12	0.63	20.744	31	03.6	25.72	28	03.6	F8	CZ	836	P -48 208
54		6.8T	45 35.264	0.0022	16	-46 30 22.16	-0.007	13	0.74	35.160	17	01.6	21.77	18	98.4	K0	GC	2189	C -46 512
55	8.5E	7.6H	45 35.469	0.0027	12	-44 13 12.09	-0.020	12	0.67	35.331	31	99.6	11.07	28	99.6	F5	CZ	838D	P -44 220
56	10.3E	9.3H	45 39.293	0.0026	12	-41 29 9.13	0.011	12	0.66	39.162	28	99.2	9.67	26	99.2	G5	CZ	839	P -41 169
57	9.4E	9.1H	45 45.915	0.0093	12	-45 58 1.39	-0.029	12	0.64	45.473	31	02.6	0.02	28	02.6	F8	CZ	841	P -46 187
58	10.1E	9.3H	45 46.656	-0.0020	12	-48 36 47.32	-0.021	12	0.63	46.750	31	03.6	46.36	28	03.6	K0	CZ	842	P -48 210
59	9.2E	8.8H	46 10.416	-0.0010	12	-44 34 53.06	-0.003	12	0.74	10.464	45	99.9	52.90	45	99.9	F5	CZ	844	P -44 222
60		7.1T	46 11.675	0.0354	13	-41 44 44.70	0.150	09	0.63	9.948	18	01.2	53.17	19	93.6	G0	GC	2201	C -42 638
61	8.6E	8.2H	46 32.321	0.0011	12	-44 21 6.11	-0.021	12	0.68	32.267	36	01.9	5.10	36	01.9	F5	CZ	845	P -44 223
62	8.9E	8.9H	46 39.802	0.0041	12	-47 2 41.70	0.004	12	0.61	39.610	28	03.6	41.89	26	03.6	F2	CZ	847	P -47 208
63	10.3E	9.1H	46 40.426	-0.0024	12	-43 29 2.81	-0.003	12	0.63	40.542	26	01.2	2.65	24	01.2	G5	CZ	846	P -43 203
64	9.3E	9.4H	46 44.431	0.0036	12	-47 6 17.29	0.010	12	0.65	44.271	36	05.2	17.73	36	05.2	A3	CZ	848	P -47 209
65	9.9E	10.5H	46 56.958	0.0033	12	-47 12 51.65	-0.009	12	0.65	56.808	36	05.2	51.25	36	05.2	F5	CZ	849	P -47 210
66	8.9E	7.9H	47 12.752	0.0006	12	-44 29 22.18	0.003	12	0.64	12.721	28	01.2	22.32	26	01.2	K2	CZ	851	P -44 225
67	8.7E	8.6H	47 16.868	-0.0024	12	-46 44 18.49	-0.119	12	0.66	16.981	36	03.9	13.00	36	03.9	G0	CZ	852	P -47 211
68	10.1E	9.9H	47 27.568	-0.0086	12	-48 45 5.73	-0.030	12	0.80	27.683	63	05.9	4.43	57	05.9	F0	CZ	854	P -49 238
69	8.1E	8.0H	47 34.230	0.0033	12	-47 1 4.51	0.095	12	0.65	34.084	36	05.2	8.76	36	05.2	G0	CZ	855	P -47 212
70	9.3E	9.2H	47 39.067	-0.0007	12	-42 50 40.54	-0.032	12	0.72	39.100	45	02.9	39.03	45	02.9	F8	CZ	856	P -43 204
71	10.0E	9.4H	47 41.330	0.0029	12	-45 3 3.57	0.002	12	0.65	41.189	28	00.6	3.67	26	00.6	G5	CZ	857	P -45 200
72	9.7E	9.5H	48 10.745	0.0029	12	-48 33 1.13	-0.015	12	0.63	10.611	31	03.6	0.54	28	03.6	F5	CZ	859	P -48 216
73		8.2T	48 19.875	0.0120	09	-48 3 51.99	0.017	08	0.51	19.229	18	96.0	55.32	17	92.0	K0	GC	2234	C -48 487
74		7.6T	48 23.158	0.0027	16	-42 45 18.28	-0.011	13	0.78	23.026	18	01.8	17.73	21	98.3	K0	GC	2235	C -43 566
75	10.3E	9.9H	48 46.453	0.0014	12	-47 44 35.33	0.023	12	0.63	46.389	31	03.2	36.40	28	03.2	G0	CZ	863	P -48 218
76	9.8E	8.8H	49 3.620	0.0012	12	-44 21 42.67	0.006	12	0.66	3.559	31	00.9	42.96	28	00.9	G5	CZ	864	P -44 227
77	10.2E	9.3H	49 15.694	-0.0010	12	-42 10 27.49	-0.006	12	0.66	15.746	28	99.3	27.16	26	99.3	A0	CZ	867	P -42 175
78	9.9E	9.3H	49 16.356	0.0019	12	-43 36 53.92	-0.001	12	0.72	16.265	45	02.9	53.87	45	02.9	F0	CZ	869	P -43 206
79		6.5T	49 18.435	0.0007	06	-40 4 56.39	-0.020	06	0.30	18.406	12	06.0	55.39	12	01.1	K0	GC	2256	C -40 465
80	11.4E	9.6Z	49 19.239	0.0039	12	-41 34 20.32	0.009	12	0.66	19.042	28	99.2	20.76	28	99.2		CZ	870	P -41 172
81		6.9T	49 24.340	0.0002	15	-45 43 4.67	-0.017	12	0.73	24.328	18	00.7	3.80	21	97.3	K0	GC	2260	C -46 539
82	9.4E	8.7H	49 48.146	0.0043	12	-40 53 53.16	-0.021	12	0.66	47.929	28	99.2	52.11	26	99.2	K0	CZ	873	P -41 174
83	9.0E	9.3H	49 50.642	-0.0021	12	-46 1 0.33	-0.033	12	0.64	50.741	31	02.5	58.76	28	02.5	F5	CZ	874	P -46 191
84		8.0T	50 1.154	-0.0037	10	-46 53 15.49	-0.015	08	0.40	1.310	15	08.3	14.85	15	05.4	G5	GC	2269	C -47 567
85	10.1E	9.5H	50 9.837	0.0031	12	-47 48 33.03	0.009	12	0.65	9.683	31	00.9	48.76	28	00.9	F8	CZ	878	P -44 228
86	8.0E	8.3H	50 15.318	0.0021	12	-47 45 28.83	0.012	12	0.68	15.228	45	06.9	29.34	45	06.9	A2	CZ	879	P -48 220
87	10.3E	8.5H	50 22.557	-0.0017	12	-48 52 2.78	-0.055	12	0.68	22.631	45	06.9	0.43	45	06.9	K0	CZ	880	P -49 243
88	10.4E	9.4H	50 24.166	0.0012	12	-48 54 55.69	-0.029	12	0.62	24.111	31	04.4	54.39	28	04.4	K0	CZ	881	P -49 244
89	9.6E	9.3H	50 28.422	0.0029	12	-49 46 48.07	-0.067	12	0.70	28.220	45	04.9	45.05	45	04.9	G	CZ	882	P -50 270
90	9.5E	9.3H	50 30.391	0.0025	12	-49 46 8.96	-0.042	12	0.63	30.272	31	03.2	7.03	28	03.2	G	CZ	883	P -50 271
91	9.2E	9.5H	50 38.087	-0.0040	12	-47 55 38.34	-0.018	12	0.62	37.906	31	04.5	37.52	28	04.5	F0	CZ	884	P -48 221
92	11.1E	10.1H	50 50.286	-0.0077	12	-43 21 21.54	-0.094	12	0.64	50.661	28	01.0	16.93	26	01.0	K0	CZ	885	P -43 207
93	10.0E	9.9H	51 16.100	-0.0009	12	-48 22 39.19	-0.026	12	0.62	16.143	31	04.5	38.03	28	04.5	G0	CZ	888	P -48 222
94	11.3E	9.7Z	51 17.693	0.0000	12	-44 50 0.25	-0.049	12	0.67	17.652	31	99.9	57.79	28	99.9		CZ	886	P -45 201
95	11.0E	9.9H	51 25.935	0.0029	12	-43 36 48.19	-0.077	12	0.64	25.791	28	01.2	44.41	26	01.2	K0	CZ	889	P -43 208
96		4.4H	51 38.578	-0.0083	03	-46 32 48.92	-0.081	03	0.12	38.484	06	17.5	46.28	06	17.3	M3	F4	67	C -46 552
97		5.0H	52 17.583	-0.0034	03	-42 44 30.17	-0.028	03	0.13	17.716	06	10.7	29.15	05	13.0	B9	F4	1053	C -43 583
98	9.1E	8.2H	52 19.279	0.0034	12	-46 12 49.65	0.009	12	0.62	19.120	28	03.4	50.07	26	03.4	K0	CZ	893	P -46 196
99	10.7E	10.8H	52 35.135	0.0025	12	-46 55 32.20	-0.010	12	0.61	35.022	28	03.9	31.74	26	03.9	G0	CZ	894	P -47 218
00	9.0E	8.7H	52 52.128	0.0013	12	-41 12 49.40	-0.017	12	0.66	52.064	28	99.0	48.54	26	99.0	F2	CZ	895	P -41 176

215700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 1H DM NUMBER
1	10.8E	8.9H	1 53 38.343	0.0024	12	-44 5 41.79	-0.023	12	0.66	38.223	31	00.9	40.65	28	00.9	G5	CZ	8970	P*-44 230
2	10.1E	9.3H	53 43.999	0.0131	12	-41 50 9.05	-0.256	12	0.66	43.340	28	99.6	-56.12	26	99.6	G0	CZ	899	P -42 181
3	9.6E	9.3H	53 47.074	0.0007	12	-43 17 30.05	0.006	12	0.64	47.038	28	01.4	30.33	26	01.4	F8	CZ	901	P -43 211
4	10.8E	9.9H	53 53.892	0.0010	12	-44 32 7.69	-0.004	12	0.66	53.841	31	00.9	7.49	28	00.9	K0	CZ	902	P -44 231
5	9.9E	9.1H	53 54.480	-0.0015	12	-48 4 19.69	0.003	12	0.68	54.546	45	06.9	19.81	45	06.9	K0	CZ	903	P -48 224
6	10.3E	9.5H	54 8.809	0.0004	12	-48 28 52.57	-0.001	12	0.62	8.793	31	04.5	52.54	28	04.5	K0	CZ	905	P -48 225
7	11.0E	9.5Z	54 11.981	0.0059	12	-45 52 8.43	0.057	12	0.64	11.701	31	02.6	11.14	28	02.6		CZ	904	P -46 198
8	9.1E	8.5H	54 34.091	0.0052	12	-45 3 51.50	0.018	12	0.67	33.832	31	99.9	52.40	28	99.9	F5	CZ	908	P -45 203
9	10.8E	9.1Z	54 34.658	0.0066	12	-42 36 59.00	-0.001	12	0.65	34.327	28	99.8	58.95	26	99.8		CZ	9070	P*-42 183
10	9.2E	8.5H	54 45.861	0.0116	12	-49 39 0.13	-0.123	12	0.62	45.332	31	04.5	-54.54	28	04.5	F8	CZ	910	P -50 279
11		7.9T	54 46.820	0.0047	11	-43 25 18.85	-0.025	09	0.45	46.628	15	09.0	17.78	15	06.6	A2	GC	2352	C -43 599
12	10.6E	9.3Z	54 48.302	0.0071	12	-49 19 30.13	-0.011	12	0.62	47.979	31	04.5	29.63	28	04.5		CZ	911	P -49 249
13	9.3E	8.4H	55 1.115	0.0023	12	-49 29 23.84	0.024	12	0.68	1.016	45	06.9	24.88	45	06.9	K0	CZ	914	P -49 251
14	10.1E	9.3H	55 6.223	-0.0061	12	-43 41 45.12	-0.025	12	0.64	6.516	28	01.6	43.90	26	01.6	G0	CZ	913	P -44 232
15		4.7T	55 11.179	0.0098	07	-47 37 43.47	0.022	05	0.28	10.773	12	08.5	44.57	12	01.0	G5	GC	2369	C*-47 597
16	9.6E	9.4H	55 22.678	0.0015	12	-48 52 17.99	0.007	12	0.62	22.610	31	04.5	18.32	28	04.5	G0	CZ	917	P -49 253
17		8.3T	55 26.404	-0.0001	12	-40 52 46.45	0.020	11	0.65	26.411	18	98.6	47.50	17	96.2	A5	GC	2374	C -41 537
18		7.3T	56 22.704	0.0058	07	-41 24 45.16	-0.028	06	0.35	22.436	14	03.6	43.75	14	00.2	F0	GC	2387K	C -41 546
19	10.5E	10.1H	56 26.606	0.0024	12	-48 0 35.18	0.005	12	0.61	28.498	28	04.6	35.40	26	04.6	G0	CZ	919	P -48 229
20		7.4T	56 53.587	-0.0011	16	-43 11 29.38	-0.005	13	0.77	53.642	17	00.6	29.14	18	98.1	K2	GC	2399	C -43 606
21	10.8E	9.2H	56 53.663	0.0005	12	-46 50 10.89	-0.023	12	0.61	53.642	28	03.6	9.83	26	03.6	G5	CZ	922	P -47 222
22	9.8E	9.3H	56 59.050	0.0061	12	-44 9 48.07	-0.012	12	0.65	58.744	28	00.2	47.45	26	00.2	F8	CZ	923	P -44 234
23	9.8E	9.9H	57 3.369	0.0075	12	-42 56 1.93	0.011	12	0.68	3.006	36	01.6	2.46	36	01.6	F5	CZ	924	P -43 217
24	8.6E	8.2H	57 18.083	0.0039	12	-44 59 4.65	0.037	12	0.65	17.889	28	00.6	6.47	26	00.6	F5	CZ	926	P -45 204
25		7.1T	57 21.163	-0.0063	08	-40 58 8.24	-0.027	08	0.53	21.553	18	88.5	6.54	18	87.9	G0	GC	2410	C -41 552
26		5.4T	57 35.185	-0.0053	07	-42 16 16.04	-0.098	06	0.30	35.422	10	05.5	11.39	09	02.5	K0	GC	2418	C*-42 684
27	10.8E	9.9H	57 36.316	-0.0043	12	-47 35 55.54	-0.074	12	0.61	36.517	28	03.6	52.10	26	03.6	G0	CZ	931	P -47 223
28	9.6E	8.3H	57 38.233	0.0022	12	-46 30 17.96	0.003	12	0.63	38.131	28	02.6	18.11	26	02.6	K2	CZ	932	P -46 199
29		7.8T	57 43.942	0.0256	24	-48 51 20.38	-0.012	22	1.08	42.783	21	04.7	19.82	19	04.0	G5	GC	2421	C -49 555
30	10.0E	10.0Z	57 58.637	0.0019	12	-44 47 14.42	0.004	12	0.74	58.542	45	00.4	14.61	45	00.4	F2	CZ	936	P -45 206
31	9.8E	8.5H	58 1.565	0.0030	12	-41 47 8.81	-0.023	12	0.73	1.419	45	00.9	7.66	45	00.9	G5	CZ	934	P -42 187
32	11.8E	9.7Z	58 14.526	0.0048	12	-43 36 21.89	0.007	12	0.67	14.276	28	98.4	22.24	26	98.4		CZ	938	
33		7.2T	58 24.181	0.0011	13	-42 1 2.79	-0.018	12	0.69	24.128	18	00.6	1.86	21	98.0	K2	GC	2435	C -42 688
34		7.1T	58 25.174	0.0386	12	-40 57 59.73	-0.418	13	0.69	25.184	18	98.4	38.06	18	98.2	G0	GC	2436	C -41 556
35	9.0E	8.2H	58 28.497	-0.0002	12	-40 30 34.64	0.007	12	0.86	28.508	63	98.9	35.01	57	98.9	G5	CZ	941	P -40 170
36	11.0E	9.1H	58 44.364	0.0013	12	-42 29 57.02	-0.015	12	0.65	44.299	28	99.9	56.27	26	99.9	K2	CZ	943	P -42 189
37		8.0T	58 51.456	0.0000	16	-44 4 18.09	-0.055	12	0.74	51.454	17	00.9	15.22	18	97.5	F8	GC	2441K	C*-44 587
38	10.5E	9.7H	59 13.533	-0.0009	12	-47 52 44.61	-0.018	12	0.62	13.575	31	04.4	43.78	28	04.4	G5	CZ	945	P -48 234
39		5.0T	59 42.158	-0.0028	04	-44 57 12.69	-0.041	04	0.23	42.263	10	04.7	10.74	10	02.0	K0	GC	2455	C*-45 659
40	11.0E	9.6Z	2 0 5.659	0.0066	12	-48 32 36.37	0.000	12	0.62	5.360	31	04.5	36.38	28	04.5		CZ	948	P -48 235
41		7.7T	0 11.637	0.0070	16	-46 4 33.07	0.006	12	0.75	11.293	19	00.9	33.36	18	97.5	F5	GC	2461	C -46 597
42	8.5E	7.4H	0 21.071	-0.0023	12	-49 38 57.73	-0.014	12	0.62	21.174	31	04.4	57.10	28	04.4	K2	CZ	951	P -50 292
43	8.7E	8.3H	0 25.622	0.0066	12	-49 8 38.76	0.021	12	0.62	25.322	31	04.5	39.72	28	04.5	F5	CZ	952	P -49 263
44		8.0T	0 25.718	-0.0034	14	-40 45 38.21	-0.016	12	0.69	25.891	15	99.5	37.34	17	96.7	F5	GC	2469	C -41 567
45	10.2E	9.3H	0 39.940	0.0151	12	-41 11 25.56	-0.073	12	0.67	39.170	28	98.9	21.83	26	98.9	K0	CZ	954	P -41 187
46	10.1E	8.1H	0 42.491	0.0014	12	-41 52 31.45	0.011	12	0.73	42.423	45	00.9	31.97	45	00.9	K0	CZ	955	P -42 191
47	11.2E	9.9Z	0 59.545	0.0004	12	-43 27 2.92	-0.004	12	0.67	59.522	28	98.9	2.70	26	98.9		CZ	956	
48	8.6E	8.2H	1 9.334	-0.0002	12	-49 43 53.19	-0.008	12	0.68	9.341	45	06.9	52.85	45	06.9	G5	CZ	959	P -50 294
49	9.6E	9.2H	1 9.688	0.0029	12	-43 50 51.86	0.018	12	0.69	9.536	31	98.2	52.78	28	98.2	F5	CZ	957	P -44 238
50	9.0E	9.1H	1 13.523	0.0001	12	-49 2 3.84	-0.002	12	0.68	13.519	45	06.9	3.77	45	06.9	A2	CZ	960	P -49 264
51	10.0E	9.7H	2 1 13.737	-0.0013	12	-40 21 52.85	0.016	12	0.67	13.807	28	98.2	53.68	26	98.2	F8	CZ	958	P -40 179
52	10.9E	9.6Z	1 31.695	0.0045	12	-47 18 6.38	-0.021	12	0.62	31.487	28	03.2	5.39	26	03.2		CZ	962	P -47 224
53	9.4E	9.0H	1 39.757	0.0329	12	-40 42 33.83	0.042	12	0.86	38.077	63	98.9	35.98	57	98.9	G0	CZ	961	P -41 190
54		7.2T	1 54.833	0.0334	17	-45 39 10.92	0.067	13	0.77	53.273	22	03.3	14.32	21	98.9	G0	GC	2500	C -46 604
55	9.6E	8.6H	1 59.201	0.0018	12	-44 14 23.91	0.058	12	0.67	59.106	28	98.2	26.90	26	98.2	G0	CZ	964	P -44 239
56		8.9T	2 8.012	0.0169	26	-46 36 52.96	0.106	22	1.12	7.244	21	04.7	57.79	21	04.2	G0	GC	2501	C -46 607
57	10.0E	9.5H	2 22.792	-0.0015	12	-42 18 26.29	-0.001	12	0.65	22.869	26	99.6	26.22	24	99.6	F8	CZ	966	P -42 192
58		7.8T	2 23.238	0.0049	17	-43 44 48.55	-0.013	13	0.78	23.000	18	01.7	47.89	21	98.3	G0	GC	2507	C -44 603
59	9.8E	8.9H	2 90.988	0.0002	12	-49 6 7.40	0.008	12	0.64	50.979	31	02.9	7.78	28	02.9	G5	CZ	969	P -49 267
60	9.8E	9.4H	3 1.454	0.0055	12	-46 51 5.41	0.001	12	0.71	1.201	45	03.9	5.45	45	03.9	F5	CZ	972	P -47 225
61	10.7E	9.9H	3 5.448	-0.0007	12	-43 13 13.96	0.009	12	0.67	5.486	28	98.2	14.41	26	98.2	G0	CZ	971	P -43 220
62	9.2E	8.2H	3 12.783	0.0015	12	-42 57 9.82	-0.014	12	0.67	12.707	28	98.5	9.08	26	98.5	A3	CZ	973	P -43 221
63		7.8T	3 13.949	0.0023	10	-49 55 15.40	0.017	08	0.40	13.853	15	09.1	16.13	15	05.9	A5	GC	2519	C -50 592
64	9.7E	8.9H	3 19.252	0.0076	12	-40 31 35.91	-0.002	12	0.67	18.862	28	98.4	35.80	26	98.4	G5	CZ	974	P -40 183
65	9.3E	7.9H	3 34.680	-0.0020	12	-48 43 44.93	-0.005	12	0.62	34.773	28	02.8	44.70	26	02.8	K2	CZ	977	P -49 268
66	9.1E	8.6H	3 39.570	0.0043	12	-41 25 8.47	-0.010	12	0.66	39.352	28	99.0	7.98	26	99.0	F5	CZ	976	P -41 192
67	9.3E	9.2H	3 50.322	0.0016	12	-47 31 12.26	-0.009	12	0.71	50.248	45	03.9	11.82	45	03.9	F0	CZ	978	P -47 227
68	10.8E	10.1H	4 11.470	0.0019	12	-45 24 14.20	-0.001	12	0.67	11.376	31	99.9	14.14	28	99.9	G5	CZ	980	P -45 214
69	10.1E	9.3H	4 20.311	-0.0050	12	-45 56 2.97	-0.020	12	0.65	20.554	31	01.6	1.99	28	01.6	G0	CZ	981	P -46 208
70	10.8E	9.5Z	4 21.405	0.0009	12	-47 7 13.69	0.035	12	0.64	21.362	31	02.2	15.35	28	02.2		CZ	982	P -47 228
71	9.9E	9.5H	4 39.290	-0.0017	12	-49 23 21.91	-0.006	12	0.70	39.367	45	04.4	21.63	45	04.4	G0	CZ	983	P -49 270
72	9.9E	9.2H	4 44.563	-0.0013	12	-46 50 43.13	-0.044	12	0.64	44.625	31	02.2	41.02	28	02.2	G0	CZ	984	P -47 229
73	9.8E	9.3H	4 45.906	0.0028	12	-48 2 26.13	-0.011	12	0.70	45.778	45	04.4	25.62	45	04.4	F2	CZ	985D	P*-48 245
74	9.5E	9.3H	4 59.061	0.0018	12	-48 16 28.52	0.030	12	0.64	58.977	31	02.8	29.94	28	02.8	A0	CZ	986	P -48 246
75	9.7E	9.2H	5 14.967	0.0021	12	-48 2 6.07	-0.069	12	0.70	14.871	45	04.4	2.91	45	04.4	G5	CZ	989	P -48 248
76	10.1E	9.3H	5 36.961	0.0013	12	-42 57 5.24	-0.036	12	0.75	36.896	45	98.9	3.38	45	98.9	F5	CZ	990	P -43 224
77		6.8T	6 3.675	-0.0011	07	-42 7 1.33	-0.012	05	0.29	3.722	09	07.8	0.78	09	03.9	A2	GC	2565	C*-42 727
78	10.4E	9.7H	6 4.884	0.0050	12	-44 35 30.59	-0.050	12	0.69	4.625	31	98.2	27.98	28	98.2	G0	CZ	993	P -44 242
79	10.0E	9.3H	6 5.537	-0.0003	12	-49 21 5.69	-0.055	12	0.64	5.551	31	02.8	3.09	28	02.8	K0	CZ	994	P -49 273
80	9.7E	9.3H	6 28.282	-0.0033	12	-46 36 33.82	-0.016	12	0.67	26.438	36	02.9	33.05	36	02.9	G5	CZ	995	P -46 210
81	10.2E	8.9H	6 38.184	-0.0020	12	-43 30 13.57	-0.021	12	0.65	38.284	26	99.6	12.53	24	99.6	G5	CZ	996	P -43 225
82	9.8E	8.5H	6 42.740	0.0025	12	-44 43 41.94	0.004	12	0.70	42.614	36	99.6	42.12	36	99.6	K0	CZ	997	P -45 216
83	10.7E	9.5Z	7 0.821	0.0028	12	-47 31 36.69	-0.050	12	0.62	0.689	28	02.9	34.32	26	02.9		CZ	998	P -47 233
84	9.0E	8.9H	7 3.831	-0.0049	12	-46 36 21.05	-0.030	12	0.63	4.067	28	01.9	19.59	26	01.9	F0	CZ	999	P -46 211
85		5.8T	7 9.531	-0.0049	08	-43 45 6.99	-0.048	05	0.32	9.722	14	10.7	4.74	12	03.0	K0	GC	2587	C -44 632
86	11.4E	9.6Z	7 21.110	0.0020	12	-40 11 52.05	-0.008	12	0.67	21.004	28	98.2	51.62	26	98.2		CZ	1002	P -40 187
87		8.1T	7 27.423	0.0081	10	-41 37 26.00	0.031	09	0.43	27.158	14	06.4	27.41	14	04.7	G0	GC	2594	C -41 596
88	10.0E	9.5H	7 34.195	-0.0081	12	-45 54 55.55	-0.083	12	0.67	34.484	36	02.9	51.63	36	02.9	G0	CZ	1004	P -46 212
89		7.2T	7 36.074	0.0044	09	-45 42 7.74	-0.044	09	0.40	35.884	10	07.2	5.82	10	06.8	F0	GC	2596	C -46 632
90	9.9E	9.2H	7 38.052	0.0005	12	-45 57 37.59	0.006	12	0.67	38.030	36	02.9	37.86	36	02.9	G5	CZ	1006	P -46 214
91	9.7E	8.8H	7 39.292	-0.0004	12	-46 14 34.28	-0.028	12	0.63	39.312	28	01.9	32.93	26	01.9	F2	CZ	1008	P -46 215
92	8.3E	7.7H	7 44.640	0.0054	12	-48 30 6.38	-0.003	12	0.64	44.384	31	02.8	6.24	28	02.8	G5	CZ	1009	P -49 279
93		6.7T	7 45.412	0.0037	06	-41 8 6.60	-0.018	06	0.30	45.253	12	06.7	5.73	12	02.6	F2	GC	2599	C -41 598
94		6.5T	8 5.199	-0.0050	11	-44 3 3.38	-0.004	07	0.53	4.935	17	97.6	3.15	15	89.2	K0	GC	2605	C -44 638
95	9.9E	8.9H	8 19.778	-0.0020	12	-45 51 40.89	-0.000	12	0.65	19.876	31	01.6	40.88	28	01.6	K0	CZ	1012	P -46 216
96	10.3E	10.0H	8 20.421	0.0013	12	-40 35 27.75	0.005	12	0.66	20.357	28	99.1	28.00	26	99.1	G0	CZ	1011	P -40 188
97	9.1E	8.5H	8 22.449	-0.0019	12	-46 40 35.82	0.002	12	0.72	22.539	45	02.9	35.90	45	02.9	F0	CZ	1014	P -47 235
98		7.2T	8 32.815	0.0064	17	-45 40 56.62	0.009	13	0.77	32.506	18	01.8	57.06	21	98.1	G5	GC	2614	C -46 643
99	10.0E	9.3H	8 36.228	-0.0034	12	-45 1 59.92	-0.040	12	0.67	36.397	31	99.9	57.90	28	99.9	F5	CZ	1016	P -45 217
00	8.7E	7.8H	8 39.425	0.0039	12	-48 19 45.90	-0.012	12	0.64	39.243	31	02.9	45.34	28	02.9	G5	CZ	1018	P -48 250

215800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 2H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.5E	8.8N	2 8 42.019	0.0014	12	-49 7 30.24	0.008	12	0.64	41.953	31	02.6	30.67	28	02.6	G5	CZ	1019	P -49 280
2	10.0E	8.8N	8 43.418	-0.0008	12	-42 38 17.63	-0.030	12	0.66	43.466	28	99.2	16.29	28	99.2	G5	CZ	1017	P -43 232
3	10.1E	9.1N	8 55.900	-0.0004	12	-44 2 30.85	-0.003	12	0.74	55.920	45	00.4	30.72	45	00.4	G5	CZ	1020	P -44 248
4	10.1E	9.1N	8 58.936	-0.0011	12	-47 33 13.45	-0.058	12	0.71	58.987	45	03.9	10.76	45	03.9	F5	CZ	1021	P -47 239
5		8.2T	9 20.808	0.0072	15	-46 49 10.90	-0.010	10	0.68	20.463	18	01.6	10.47	19	84.9	A0	SC	2830	C -47 663
6	9.5	8.8N	9 29.438	0.0046	12	-47 49 34.40	0.029	12	0.62	29.222	28	02.8	35.75	28	02.8	F5	CZ	1025	P -48 253
7	9.5	8.9N	9 30.526	0.0198	12	-43 36 9.93	0.083	12	0.67	29.530	31	99.9	11.07	28	99.9	F8	CZ	1023	P -45 219
8	10.2	9.3N	9 34.654	-0.0004	12	-42 8 15.56	-0.021	12	0.66	34.778	28	99.2	14.41	28	99.2	F8	CZ	1024	P -42 201
9		8.1T	9 36.727	-0.0047	16	-48 33 59.08	0.083	12	0.75	36.928	22	01.6	0.40	19	97.0	FD	SC	2835K	C*-48 804
10	10.1E	9.1N	9 40.988	-0.0027	12	-49 22 57.84	-0.036	12	0.71	41.085	45	03.9	55.97	45	03.9	G0	CZ	1030	P -49 282
11	10.3E	9.1N	9 53.130	-0.0011	12	-43 42 26.07	-0.085	12	0.65	53.184	28	99.9	26.84	28	99.9	K0	CZ	1031	P -44 250
12		7.0T	9 59.625	-0.0045	10	-47 24 15.65	-0.082	08	0.43	59.815	14	07.7	12.87	15	05.4	K0	SC	2842	C -47 664
13	10.4E	9.3N	10 19.685	-0.0024	12	-43 11 43.32	-0.085	12	0.65	19.956	28	00.1	42.05	28	00.1	F8	CZ	1034	P -43 235
14	10.4E	9.4N	10 25.032	0.0081	12	-45 21 51.55	0.080	12	0.74	24.632	45	00.4	52.31	45	00.4	K0	CZ	1035	P -45 221
15		7.7T	10 25.817	-0.0033	16	-47 2 58.37	-0.073	15	0.76	25.963	24	08.2	54.96	24	03.5	G0	SC	2858	C -47 667
16	9.1E	8.3N	10 28.951	-0.0020	12	-44 36 8.34	-0.017	12	0.74	27.050	45	00.4	7.48	45	00.4	K0	CZ	1036	P -44 251
17		8.6T	10 48.778	0.0032	18	-41 29 57.07	0.010	20	0.90	48.634	24	04.5	57.31	22	04.1	G5	SC	2866	C -41 613
18	8.8E	7.7N	10 49.084	0.0005	12	-44 43 23.11	-0.001	12	0.65	49.079	28	99.9	23.04	28	99.9	A5	CZ	1039	P -45 222
19	9.7E	9.0N	10 55.948	0.0014	12	-41 41 0.23	0.084	12	0.66	55.874	28	99.0	1.47	28	99.0	G0	CZ	1041	P -42 203
20	9.7E	8.8N	10 56.744	0.0042	12	-40 14 11.46	-0.208	12	0.68	56.522	28	97.7	0.57	28	97.7	G5	CZ	1040	P -40 189
21	10.1E	9.2N	10 59.780	-0.0008	12	-49 17 14.52	-0.080	12	0.71	59.817	45	03.9	11.75	45	03.9	A2	CZ	1042	P -49 287
22	10.1E	9.3N	11 16.801	-0.0002	12	-47 1 41.83	-0.017	12	0.63	16.810	28	02.4	41.00	28	02.4	G0	CZ	1045	P -47 244
23	10.4E	9.3N	11 43.850	0.0048	12	-48 38 0.63	0.013	12	0.64	43.623	31	02.8	1.25	28	02.8	F8	CZ	1046	P -49 291
24	9.8E	9.3N	11 45.056	0.0001	12	-42 0 31.39	-0.008	12	0.69	45.054	36	00.2	31.01	36	00.2	A0	CZ	1044	P -42 208
25	9.8E	8.5N	11 48.298	-0.0012	12	-48 0 48.98	-0.031	12	0.64	48.356	31	02.8	47.50	28	02.8	G5	CZ	1047	P -48 256
26	11.4E	9.6T	11 52.671	-0.0084	12	-40 30 32.40	-0.039	12	0.67	52.796	28	98.5	30.36	28	98.5		CZ	1045	P -40 190
27	10.5E	10.5N	11 55.520	-0.0034	12	-44 30 16.30	-0.022	12	0.66	55.682	28	99.4	15.16	28	99.4	F8	CZ	1048	P -44 252
28	10.1E	9.7N	11 59.593	0.0051	12	-41 36 36.60	-0.176	12	0.69	9.341	36	00.2	27.76	36	00.2	F8	CZ	1049	P -42 208
29	11.4E	9.8Z	12 12.160	-0.0002	12	-48 58 19.81	-0.047	12	0.64	12.169	31	02.6	17.58	28	02.6		CZ	1051	P -49 293
30	9.4E	8.5N	12 13.470	0.0002	12	-47 37 2.20	-0.025	12	0.63	13.460	28	02.4	0.99	28	02.4	K0	CZ	1050	P -47 247
31		5.9N	12 30.533	-0.0020	03	-41 23 56.23	-0.023	03	0.13	30.604	06	15.1	55.42	06	15.3	K0	FA	1060	C -41 621
32	11.0E	10.0N	12 35.348	0.0058	12	-43 11 53.65	0.047	12	0.65	35.160	28	00.2	55.97	28	00.2	G0	CZ	1053	P -43 257
33	9.7E	8.7N	12 41.180	0.0058	12	-44 47 40.20	0.034	12	0.67	40.891	31	99.9	41.88	28	99.9	F2	CZ	1055	P -45 226
34	10.7E	9.8E	12 42.943	-0.0013	12	-40 55 55.24	-0.064	12	0.66	43.012	28	99.0	52.47	28	99.0	G5	CZ	1054	P -41 201
35	11.0E	9.4Z	12 44.589	-0.0015	12	-46 16 31.55	0.017	12	0.65	44.653	31	01.6	32.36	28	01.6		CZ	1056	P -46 221
36	9.8E	8.8N	13 0.544	0.0027	12	-43 47 14.40	0.026	12	0.74	0.410	45	00.4	15.71	45	00.4	K0	CZ	1058	P -44 255
37	9.8E	8.8N	13 3.139	0.0045	12	-40 1 30.55	0.041	12	0.67	3.109	28	98.3	32.66	28	98.3	F2	CZ	1057	P -40 192
38		7.0T	13 23.679	0.0005	14	-41 18 4.17	0.035	10	0.65	23.656	18	01.3	6.02	17	96.6	K5	SC	2722	C -41 626
39	9.1E	8.8N	13 27.403	0.0016	12	-47 38 44.54	0.002	12	0.71	27.329	45	03.9	44.62	45	03.9	K0	CZ	1061	P -47 248
40	9.5E	8.9N	13 35.102	-0.0047	12	-43 54 22.59	-0.048	12	0.67	35.338	31	99.9	20.21	28	99.9	F5	CZ	1062	P -44 256
41	9.7E	9.2N	13 53.945	-0.0011	12	-44 58 9.72	0.004	12	0.74	54.001	45	00.4	9.90	45	00.4	G0	CZ	1064	P -45 227
42	10.0E	10.3N	13 59.591	-0.0002	12	-42 1 44.71	-0.039	12	0.66	59.604	28	99.5	42.76	28	99.5	F5	CZ	1065	P -42 211
43	10.0E	9.3N	14 12.786	-0.0012	12	-47 6 58.66	-0.001	12	0.64	12.864	31	02.2	58.60	28	02.2	K0	SC	1067	P -47 250
44	7.6T	9.1N	14 30.743	0.0040	16	-43 29 33.58	-0.019	12	0.74	30.547	18	01.0	32.62	17	98.3	G5	SC	2750	C -43 686
45	9.4E	9.3N	14 32.482	0.0033	12	-43 10 49.57	0.039	12	0.73	32.322	45	01.3	51.45	45	01.3	F5	CZ	1070	P -43 239
46	8.1T	8.1T	14 39.519	0.0021	17	-43 9 29.91	0.057	13	0.77	39.418	18	01.7	32.84	18	99.0	K0	SC	2754	C -43 698
47	10.7E	10.1N	14 44.784	0.0010	12	-49 48 13.17	0.001	12	0.70	44.680	45	04.4	13.21	45	04.4	G0	CZ	1072	P -50 323
48	9.8E	9.8N	14 45.538	0.0020	12	-49 48 9.14	-0.002	12	0.70	45.448	45	04.4	9.04	45	04.4	G0	CZ	1073	P -50 323
49	10.4E	9.7Z	14 46.889	0.0055	12	-49 13 9.09	0.052	12	0.64	46.638	31	02.5	11.56	28	02.5		CZ	1074	P -49 297
50	10.1E	9.3N	14 50.226	0.0015	12	-47 17 10.40	0.016	12	0.71	50.158	45	03.9	11.13	45	03.9	G0	CZ	1076	P -47 252
51	10.1E	9.3N	2 14 59.563	-0.0011	12	-42 12 12.07	-0.077	12	0.74	59.619	45	00.4	8.27	45	00.4	G0	CZ	1077	P -42 213
52	10.4E	9.5Z	15 4.918	-0.0043	12	-45 56 45.90	-0.015	12	0.65	5.127	31	01.6	45.16	28	01.6		CZ	1079	P -46 224
53	10.4E	9.7N	15 7.711	0.0020	12	-47 46 4.30	-0.005	12	0.65	7.486	31	02.4	4.05	31	02.4	G0	CZ	1080	P -48 260
54	10.4E	9.3N	15 18.301	-0.0004	12	-42 42 48.53	-0.022	12	0.66	18.322	28	99.5	47.39	28	99.5	G5	CZ	1081	P -43 241
55	10.4E	8.8N	15 25.175	-0.0004	12	-44 59 41.03	-0.001	12	0.67	25.196	31	99.9	40.97	28	99.9	K5	CZ	1082	P -45 229
56	9.8E	8.3N	15 51.607	0.0134	12	-49 37 38.35	0.104	12	0.64	50.973	31	02.5	43.29	28	02.5	F8	CZ	1083	P -49 300
57	10.1E	9.1N	16 17.322	-0.0013	12	-44 10 17.53	-0.062	12	0.67	17.388	31	99.9	14.44	28	99.9	K0	CZ	1085	P -44 260
58	10.1E	9.7Z	16 57.088	0.0027	12	-46 30 1.43	-0.029	12	0.63	56.939	28	01.9	0.02	26	01.9		CZ	1087	P -46 225
59	9.8E	8.7N	17 9.165	0.0011	12	-42 14 56.61	-0.002	12	0.65	9.107	26	99.7	56.53	24	99.7	G5	CZ	1088	P -42 214
60		6.5T	17 25.085	0.0003	10	-42 4 40.50	0.028	07	0.53	25.050	21	94.5	42.32	18	85.2	G5	SC	2804	C -42 785
61	8.8T	8.8T	17 30.765	-0.0221	18	-45 53 40.28	0.007	15	0.82	31.801	19	03.1	40.65	19	00.4	K0	SC	2807	C -46 691
62	9.8E	8.7N	17 36.278	0.0002	12	-48 0 9.58	-0.006	12	0.62	36.268	28	03.3	9.29	26	03.3	K0	CZ	1091	P -48 262
63	10.1E	8.7N	18 0.089	0.0004	12	-42 8 53.03	0.028	12	0.74	8.052	45	00.4	54.44	45	00.4	K0	CZ	1095	P -42 216
64	10.8E	9.4N	18 10.307	-0.0018	12	-42 29 59.99	-0.031	12	0.66	10.400	28	99.6	58.40	26	99.6	G5	CZ	1096	P -42 217
65	8.9E	8.9N	18 14.549	-0.0006	12	-41 37 0.47	0.010	12	0.66	14.582	28	99.0	1.00	26	99.0	A2	CZ	1098	P -41 210
66		7.9T	18 24.029	0.0010	11	-44 17 12.82	0.042	08	0.53	23.976	19	98.7	15.21	18	93.5	K0	SC	2823	C -44 691
67	8.3E	8.3N	18 29.498	0.0080	12	-47 9 15.47	0.106	12	0.64	29.069	31	02.2	20.52	28	02.2	F5	CZ	1100	P -47 255
68	10.0E	9.6E	19 0.285	-0.0030	12	-41 4 17.73	0.001	12	0.66	0.440	28	99.1	17.77	26	99.1	F5	CZ	1103	P -41 211
69	10.7E	9.5Z	19 3.155	-0.0007	12	-49 10 21.16	0.008	12	0.64	3.188	31	02.5	21.54	28	02.5		CZ	1104	P -49 306
70	9.8E	9.4N	19 17.988	0.0012	12	-45 42 18.31	0.026	12	0.67	17.910	31	99.9	19.60	28	99.9	A5	CZ	1106	P -46 229
71	10.4E	10.2N	19 41.540	-0.0033	12	-40 23 0.64	0.018	12	0.68	41.714	28	97.9	1.57	26	97.9	G5	CZ	1107	P -40 195
72		7.4T	19 43.228	-0.0000	20	-48 32 23.24	-0.009	15	0.87	43.226	17	02.2	22.78	16	99.9	G5	SC	2852K	C*-48 615
73	10.1E	10.3N	19 55.937	-0.0003	12	-46 49 21.14	-0.017	12	0.64	55.952	31	02.2	20.31	28	02.2	A0	CZ	1109	P -47 256
74	9.3E	9.4N	19 59.218	0.0012	12	-48 57 54.15	0.033	12	0.70	59.162	45	04.4	55.65	45	04.4	F8	CZ	1111	P -49 309
75		7.5T	20 8.709	-0.0010	17	-49 44 54.29	0.031	13	0.77	8.755	17	01.6	55.85	18	99.0	G5	SC	2859	C -50 681
76	10.2E	9.3N	20 8.956	0.0016	12	-43 12 14.54	0.010	12	0.66	8.876	28	99.6	15.03	26	99.6	F5	CZ	1112	P -43 245
77	10.0E	9.3N	20 13.735	0.0008	12	-43 50 28.09	0.009	12	0.67	13.690	31	99.2	28.56	28	99.2	K0	CZ	1114	P -44 265
78		6.3T	20 14.235	0.0074	10	-43 25 39.14	0.052	08	0.52	13.830	17	95.3	42.28	15	90.2	G5	SC	2861	C -43 724
79	9.0E	8.9N	20 19.840	-0.0077	12	-47 22 32.69	0.004	12	0.71	15.335	45	03.9	32.86	45	03.9	F2	CZ	1117	P -47 257
80	10.1E	9.2N	20 21.198	0.0079	12	-43 5 51.49	0.027	12	0.74	20.805	45	00.4	52.82	45	00.4	G0	CZ	1116	P -43 247
81	9.6E	8.9N	20 24.119	-0.0003	12	-46 41 42.21	-0.029	12	0.64	24.134	28	01.6	40.79	26	01.6	G5	CZ	1118	P -47 258
82	9.7E	9.4N	20 40.482	0.0067	12	-49 54 34.81	-0.082	12	0.70	40.182	45	04.9	31.11	45	04.9	G0	CZ	1120	P -50 342
83	9.0E	9.1N	21 1.086	-0.0011	12	-42 13 1.72	-0.012	12	0.66	1.139	28	99.2	1.13	26	99.2	A3	CZ	1121	P -42 221
84	10.0E	9.3Z	21 2.552	-0.0009	12	-41 37 53.61	-0.001	12	0.66	2.595	28	99.1	53.57	26	99.1		CZ	1122	P -41 215
85	10.0E	9.3Z	21 6.736	-0.0008	12	-49 20 38.79	-0.010	12	0.64	6.774	31	02.9	38.31	28	02.9		CZ	1123	P -49 311
86	10.1E	9.3N	21 20.988	-0.0007	12	-47 22 2.72	-0.004	12	0.62	21.021	28	03.2	2.52	26	03.2	G5	CZ	1126	P -47 261
87	10.0E	9.7N	21 21.181	0.0003	12	-45 16 13.43	-0.018	12	0.65	21.167	28	00.6	12.53	26	00.6	F5	CZ	1125	P -45 235
88	8.3E	7.9N	21 22.609	-0.0034	12	-48 29 56.01	-0.002	12	0.70	22.435	45	04.4	55.93	45	04.4	K2	CZ	1127	P -48 271
89	7.8E	8.0N	22 9.564	-0.0051	12	-48 8 36.69	-0.004	12	0.64	9.805	31	02.8	36.50	28	02.8	F8	CZ	1128	P -48 274
90	11.2E	9.3Z	22 22.701	0.0014	12	-40 37 40.59	-0.011	12	0.68	22.631	28	98.1	40.01	26	98.1		CZ	1129	P -40 199
91	9.5E	8.4N	22 26.665	-0.0005	12	-44 33 12.29	-0.002	12	0.65	26.690	26	00.1	12.16	26	00.1	K0	CZ	1130	P -44 269
92		6.2T	22 33.086	0.0191	09	-41 4 3.28	0.116	08	0.51	32.033	17	94.8	9.83	17	93.3	G0	SC	2912	C -41 681
93	9.0E	8.0N	22 37.501	-0.0007	12	-45 22 0.26	-0.034	12	0.72	37.534	45	02.8	58.64	45	02.8	K0	CZ	1132	P -45 238
94		7.7T	22 54.998	0.0044	10	-42 23 6.70	0.020	08	0.41	54.806	15	08.5	7.60	15	05.4	A2	SC	2919	C -42 813
95	10.7E	9.9N	22 58.589	-0.0005	12	-43 5 53.52	0.015	12	0.66	58.616	28	99.6	54.26	26	99.6	A3	CZ	1134	P -43 251
96	9.8E	9.1N	23 36.497	0.0084	12	-49 28 39.50	0.003	12	0.64	36.195	31	02.8	39.63	28	02.8	F8	CZ	1136	P -49 314
97	9.4E	7.8N	23 38.536	0.0084	12	-48 42 57.20	-0.013	12	0.64	38.422	31	02.9	56.39	28	02.9	K0	CZ	1137	P -49 315
98	10.1E	9.2N	24 4.020	-0.0003	12	-47 38 54.35	-0.000	12	0.63	4.035	31	03.2	54.33	28	03.2	G5	CZ	1139	P -47 265
99	11.0E	9.2N	24 38.128	-0.0017	12	-40 21 51.78	-0.025	12	0.68	38.214	28	98.1	50.47	26	98.1	G5	CZ	1140	P -40 200
00	10.2E	9.7N	24 38.291	0.0084	12	-46 42 40.21	0.024	12	0.64	38.178	31	02.6	41.33	28	02.6	F8	CZ	1143	P -47 266

215900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 2H DM NUMBER
1	9.9E	9.2H	2 24 41.214	0.0070	12	-45 39 38.48	0.007	12	0.65	40.875	31	01.5	38.81	28	01.5	G0	CZ	1144	P -46 234
2	10.8E	9.4Z	24 45.979	-0.0014	12	-43 34 30.75	0.008	12	0.66	46.049	28	99.6	31.17	26	99.6		CZ	1146	P -43 254
3	11.3E	9.9Z	24 46.175	-0.0005	12	-47 3 40.29	0.013	12	0.63	46.198	31	03.2	40.88	28	03.2		CZ	1147	P -47 267
4	9.3E	8.6H	24 47.679	0.0014	12	-41 35 27.59	0.006	12	0.74	47.611	45	99.9	27.91	45	99.9	K0	CZ	1145	P -41 219
5		7.0T	24 52.581	0.0008	17	-46 13 25.95	0.011	13	0.78	52.541	17	01.4	26.49	18	98.8	K0	GC	2950	C -46 722
6		4.4H	25 9.162	0.0022	02	-47 55 39.34	-0.005	02	0.10	9.090	06	16.3	39.16	05	15.0	B5	F4	86	C -48 637
7	10.0E	9.4H	25 33.670	-0.0015	12	-47 41 43.09	-0.009	12	0.69	33.736	45	05.4	42.67	45	05.4	G5	CZ	1151	P -48 279
8	9.8E	9.6H	25 47.563	-0.0001	12	-41 24 16.97	0.000	12	0.67	47.570	28	98.9	16.98	26	98.9	F5	CZ	1152	P -41 221
9	9.1E	7.8H	25 50.126	-0.0019	12	-45 16 14.01	-0.028	12	0.72	50.215	45	02.8	12.67	45	02.8	K0	CZ	1153	P -45 242
10		8.2T	26 17.471	-0.0006	15	-42 38 50.08	-0.042	13	0.73	17.501	17	00.3	47.91	18	97.9	F2	GC	2971	C -42 829
11	10.6E	9.7H	26 18.474	0.0134	12	-46 20 13.65	0.065	12	0.63	17.840	28	02.6	16.72	26	02.6	G0	CZ	1157	P -46 236
12	9.3E	8.5H	26 35.021	0.0064	12	-45 14 45.17	0.003	12	0.63	34.712	28	01.9	45.30	26	01.9	G5	CZ	1159	P -45 243
13	10.1E	9.4H	26 41.070	0.0119	12	-44 27 5.26	0.018	12	0.64	40.493	28	01.4	6.12	26	01.4	G0	CZ	1160	P -44 277
14		8.1T	26 53.467	0.0007	10	-40 39 28.15	-0.010	08	0.41	53.493	15	07.9	27.68	14	05.1	G5	GC	2981	C -40 628
15	10.4E	8.6H	26 55.887	0.0012	12	-44 20 16.58	-0.016	12	0.64	55.829	28	01.4	15.78	26	01.4	K5	CZ	1163	P -44 279
16	10.2E	9.2H	26 56.235	0.0011	12	-42 6 0.65	-0.010	12	0.69	56.183	36	00.6	0.17	36	00.6	F5	CZ	1162	P -42 231
17		8.0T	27 14.268	0.0092	16	-42 17 49.39	-0.063	12	0.75	13.812	17	00.3	46.07	17	97.3	G0	GC	2990	C -42 834
18	10.2E	9.5H	27 26.041	0.0010	12	-43 44 26.68	-0.024	12	0.64	25.996	31	02.9	25.54	28	02.9	G0	CZ	1168	P -50 350
19	10.4E	9.8H	27 31.068	0.0182	12	-41 35 7.44	-0.032	12	0.66	30.141	28	99.2	5.83	26	99.2	G5	CZ	1166	P -41 224
20	10.9E	9.4H	27 33.825	0.0001	12	-43 9 30.81	0.004	12	0.65	33.822	28	00.2	30.99	26	00.2	K2	CZ	1167	P -43 258
21	10.0E	9.1H	27 47.065	0.0024	12	-42 4 48.06	-0.004	12	0.74	46.949	45	00.4	47.88	45	00.4	G5	CZ	1170	P -42 233
22	10.3E	9.7H	28 0.508	0.0010	12	-46 50 26.86	-0.014	12	0.63	0.461	31	03.2	26.19	28	03.2	A5	CZ	1171	P -47 270
23	10.1E	8.5H	28 11.849	-0.0004	12	-49 2 5.96	-0.001	12	0.64	11.867	31	02.8	5.91	28	02.8	K5	CZ	1173	P -49 321
24	9.4E	8.8H	28 13.923	-0.0005	12	-43 28 0.80	0.003	12	0.65	13.948	28	99.9	0.97	26	99.9	F0	CZ	1172	P -43 262
25	10.9E	9.4H	28 28.183	-0.0015	12	-42 28 20.28	-0.022	12	0.66	28.260	28	99.6	19.15	26	99.6	G5	CZ	1175	P -42 234
26	9.3E	8.7H	28 48.516	0.0002	12	-48 9 9.52	-0.007	12	0.64	48.507	31	02.9	9.17	28	02.9	K0	CZ	1178	P -48 284
27	10.9E	9.4Z	29 0.071	0.0017	12	-44 39 58.14	-0.000	12	0.65	-59.989	31	01.5	58.12	28	01.5		CZ	1179	P -45 244
28		7.8T	29 7.353	0.0035	16	-45 53 21.66	-0.005	12	0.75	7.180	18	01.0	21.37	19	96.8	K0	GC	3036	C -46 743
29	9.5E	8.6H	29 10.441	-0.0011	12	-47 39 46.07	0.025	12	0.63	10.492	31	03.2	47.22	28	03.2	K0	CZ	1183	P -47 273
30	10.5E	9.3Z	29 13.458	0.0005	12	-40 59 5.15	-0.018	12	0.66	13.435	28	99.2	4.23	26	99.2		CZ	1180	P -41 226
31	10.3E	9.7H	29 17.321	0.0008	12	-43 48 33.01	-0.018	12	0.65	17.283	31	01.5	32.16	28	01.5	A3	CZ	1184	P -44 283
32	10.5E	9.9H	29 34.287	0.0051	12	-42 1 17.45	0.022	12	0.66	34.026	28	99.4	18.57	26	99.4	F5	CZ	1185	P -42 235
33	12.0E	10.9H	29 52.071	0.0000	12	-48 34 12.65	-0.023	12	0.70	52.071	45	04.4	11.60	45	04.4	G0	CZ	1187	P -48 286
34	10.1E	9.4H	29 52.486	-0.0004	12	-48 34 20.97	-0.037	12	0.64	52.504	31	02.8	19.22	28	02.8	G0	CZ	1188	P -48 286
35	10.9E	9.4H	30 2.114	-0.0005	12	-47 39 7.89	0.003	12	0.65	2.141	28	00.0	8.02	26	00.0	K2	CZ	1189	P -47 264
36		7.0T	30 23.822	-0.0043	05	-46 5 26.82	-0.017	04	0.24	24.002	10	07.7	26.01	10	03.4	G5	GC	3062	C -46 746
37	9.9E	9.5H	30 51.849	-0.0041	12	-40 16 44.21	-0.018	12	0.68	52.063	28	98.0	43.28	26	98.0	F5	CZ	1192	P -40 210
38	9.3E	8.9H	31 1.291	-0.0014	12	-45 24 47.75	0.020	12	0.65	1.361	31	01.5	48.73	28	01.5	A5	CZ	1196	P -45 248
39	10.0E	9.4H	31 5.403	0.0002	12	-46 22 16.72	0.098	12	0.66	5.393	36	03.9	21.24	36	03.9	F5	CZ	1197	P -46 241
40	10.4E	8.3H	31 9.757	0.0024	12	-45 1 44.83	-0.001	12	0.65	9.641	31	01.5	44.78	28	01.5	K2	CZ	1198	P -45 249
41	10.8E	9.7Z	31 35.456	0.0022	12	-46 37 16.45	-0.031	12	0.63	35.354	28	02.7	14.98	26	02.7		CZ	1200	P -46 242
42		8.0T	31 54.130	-0.0058	20	-48 36 29.86	0.020	14	0.82	54.396	21	04.1	30.82	19	02.2	F8	GC	3086	C -48 681
43	10.2E	9.4H	32 1.432	0.0001	12	-42 5 32.22	0.012	12	0.65	1.426	26	99.4	32.81	24	99.4	G5	CZ	1201	P -42 238
44	9.5E	9.1H	32 5.479	0.0009	12	-47 4 25.97	0.008	12	0.62	5.438	28	03.2	26.34	26	03.2	A0	CZ	1203	P -47 276
45	9.9E	9.0Z	32 11.161	0.0017	12	-45 33 47.62	0.028	12	0.67	11.083	36	02.8	48.94	36	02.8		CZ	1204	P -45 252
46	8.2E	8.7H	32 15.136	-0.0003	12	-49 1 41.53	0.026	12	0.65	15.152	31	01.9	42.80	28	01.9	A0	CZ	1205	P -49 325
47		8.8T	32 28.419	0.0053	20	-44 0 38.92	-0.301	20	0.95	28.165	22	02.0	24.93	21	03.6	K5	GC	3097	C -44 775
48	10.2E	9.7H	32 28.607	0.0020	12	-43 11 36.60	-0.037	12	0.73	28.509	45	01.4	34.80	45	01.4		CZ	1208	P -43 267
49	10.5E	9.4Z	32 30.270	0.0004	12	-41 18 57.85	-0.072	12	0.66	30.249	28	99.2	54.17	26	99.2		CZ	1207	P -41 228
50		7.1T	33 3.627	-0.0001	09	-42 19 49.97	-0.019	08	0.40	3.650	14	05.5	49.12	14	04.1	M8	GC	3112	C -42 865
51	10.2E	9.6H	2 33 7.999	0.0023	12	-40 12 46.65	-0.014	12	0.67	7.880	28	98.2	45.94	26	98.2	K0	CZ	1212	P -40 215
52	10.5E	9.3Z	33 26.471	0.0052	12	-41 20 56.35	0.013	12	0.66	26.206	28	99.2	56.99	26	99.2		CZ	1214	P -41 230
53	9.4E	8.2H	33 36.509	0.0002	12	-40 6 24.42	-0.002	12	0.67	36.498	28	98.4	24.33	26	98.4	K0	CZ	1215	P -40 216
54	10.2E	10.0Z	33 46.063	-0.0021	12	-49 18 32.13	0.006	12	0.72	46.163	45	02.9	32.41	45	02.9		CZ	1218	P -49 327
55	9.7E	9.4H	33 46.722	0.0031	12	-45 17 12.97	-0.003	12	0.72	46.576	45	02.8	12.82	45	02.8	G0	CZ	1216	P -45 253
56	9.6E	9.1H	33 52.987	0.0021	12	-43 1 27.46	0.015	12	0.73	52.884	45	01.4	28.19	45	01.4	F8	CZ	1217	P -43 269
57	8.7E	8.6H	33 53.456	-0.0018	12	-49 46 55.47	0.002	12	0.64	53.542	31	02.2	55.57	28	02.2	F2	CZ	1221	P -50 359
58	9.1E	9.1H	33 53.507	-0.0020	12	-49 32 21.76	0.029	12	0.65	53.602	31	01.8	23.16	28	01.8	F2	CZ	1220	P -49 328
59	10.5E	10.1H	34 0.790	-0.0032	12	-47 53 38.68	-0.046	12	0.64	0.942	31	02.9	36.50	28	02.9	G0	CZ	1222	P -48 294
60	8.8E	8.6H	34 11.693	-0.0035	12	-48 38 24.91	0.011	12	0.64	11.859	31	02.9	25.44	28	02.9	K0	CZ	1224	P -48 295
61		8.1T	34 15.195	-0.0006	15	-44 58 34.57	0.014	12	0.69	15.225	17	00.9	35.28	15	97.8	G5	GC	3145	C -45 826
62	9.5E	9.4H	34 15.283	0.0007	12	-47 17 59.61	0.011	12	0.64	15.251	31	02.2	+ 0.13	28	02.2	A0	CZ	1225	P -47 277
63	9.6E	8.5H	34 18.155	-0.0011	12	-46 28 16.66	0.001	12	0.65	18.206	31	01.6	16.71	28	01.6	G0	CZ	1226	P -46 245
64	9.9E	8.5Z	34 32.766	0.0083	12	-44 56 34.75	-0.084	12	0.72	32.372	45	02.8	30.78	45	02.8		CZ	1227	P -45 256
65	10.3E	9.4H	34 43.599	-0.0033	12	-43 29 56.25	0.014	12	0.65	43.762	28	00.0	56.94	26	00.0	K0	CZ	1228	P -43 272
66	9.0E	9.2H	35 10.864	0.0080	12	-43 10 47.27	0.009	12	0.65	10.465	28	00.2	47.72	26	00.2	A2	CZ	1229	P -43 273
67		8.1T	35 20.344	0.0029	16	-40 57 42.77	-0.051	13	0.74	20.202	18	01.2	40.21	18	99.9	G5	GC	3160	C -41 740
68	11.1E	9.5Z	35 24.310	-0.0020	12	-45 26 55.90	0.020	12	0.65	24.408	31	01.5	56.87	28	01.5		CZ	1232	P -45 260
69	8.4E	7.7H	35 38.257	0.0046	12	-46 51 44.54	0.013	12	0.71	38.046	45	03.9	45.14	45	03.9	A2	CZ	1234	P -47 281
70	9.7E	8.9H	35 44.201	0.0036	12	-47 36 28.80	0.002	12	0.64	44.030	31	02.2	28.88	28	02.2	G0	CZ	1238	P -47 282
71	8.8E	9.6H	35 45.794	-0.0021	12	-41 2 46.45	0.013	12	0.74	45.899	45	99.9	47.11	45	99.9	F5	CZ	1233	P -41 236
72	8.7E	8.1H	35 46.105	-0.0006	12	-43 27 9.31	-0.013	12	0.73	46.132	45	01.4	8.67	45	01.4	K0	CZ	1235	P -43 275
73	9.5E	9.3H	35 48.083	0.0186	12	-43 53 22.75	0.074	12	0.72	47.203	45	02.8	26.23	45	02.8	G0	CZ	1236	P -44 290
74	9.8E	11.8H	35 50.016	-0.0007	12	-42 7 6.96	0.018	12	0.74	50.050	45	00.4	7.84	45	00.4	F0	CZ	1237	P -42 244
75	9.3E	9.5H	36 1.525	-0.0024	12	-44 6 20.71	-0.015	12	0.72	1.636	45	02.8	20.00	45	02.8	F0	CZ	1239	P -44 293
76	9.6E	10.0H	36 14.125	0.0094	12	-40 39 3.87	0.035	12	0.86	13.644	63	98.9	5.67	57	98.9	G0	CZ	1240	P -40 219
77		7.2T	36 15.903	0.0107	16	-42 7 13.16	0.063	12	0.74	15.373	17	00.6	16.51	17	97.3	G5	GC	3173	C -42 875
78	8.9E	9.2H	36 16.056	0.0004	12	-40 14 29.20	0.015	12	0.86	16.036	63	98.9	29.98	57	98.9	F5	CZ	1241D	P*-40 220
79		7.3T	36 19.160	0.0048	15	-41 46 6.14	0.024	13	0.73	18.923	18	00.9	7.40	18	98.4	K0	GC	3174	C -42 876
80	9.9E	10.2H	36 23.354	-0.0038	12	-41 22 37.86	0.016	12	0.74	23.544	45	99.9	38.65	45	99.9	G5	CZ	1244	P -41 238
81	11.1E	9.7Z	36 25.434	0.0017	12	-49 56 54.71	-0.011	12	0.64	25.352	31	02.2	54.19	28	02.2		CZ	1245	P -50 362
82		7.4T	36 38.562	-0.0013	15	-44 56 54.44	0.034	10	0.68	38.625	22	01.8	56.31	19	94.4	A5	GC	3179	C -45 843
83		8.0T	36 39.379	-0.0037	16	-44 55 23.05	-0.018	11	0.71	39.555	22	02.7	22.04	22	94.8	G5	GC	3180	C -45 844
84	10.0E	9.3Z	36 41.357	0.0013	12	-47 0 58.55	0.000	12	0.63	41.296	28	02.4	58.55	26	02.4		CZ	1249	P -47 285
85	9.4E	9.6H	36 41.522	-0.0004	12	-40 32 8.79	-0.009	12	0.86	41.541	63	98.9	8.34	57	98.9	F8	CZ	1246	P -40 221
86	10.4E	9.1Z	36 43.267	-0.0003	12	-46 0 40.58	0.019	12	0.63	43.282	28	01.9	41.49	26	01.9		CZ	1250	P -46 247
87	9.7E	9.3Z	36 50.858	-0.0037	12	-47 0 49.77	-0.008	12	0.66	51.031	36	03.6	49.39	36	03.6		CZ	1252	P -47 286
88	8.9E	8.1H	36 52.258	0.0001	12	-44 22 10.31	0.036	12	0.63	52.251	28	02.4	12.02	26	02.4	K0	CZ	1251	P -44 294
89	9.8E	9.4Z	37 7.553	0.0046	12	-41 31 59.23	0.015	12	0.69	7.324	36	00.2	59.96	36	00.2		CZ	1253	P -41 244
90	10.0E	9.4Z	37 18.283	-0.0046	12	-42 33 48.65	-0.186	12	0.69	18.510	36	00.6	39.46	36	00.6		CZ	1254	P -42 250
91		8.4T	37 24.000	-0.0032	10	-44 0 57.21	-0.010	09	0.43	24.135	14	07.9	56.75	15	05.9	A3	GC	3208	C -44 805
92	8.7E	8.9H	37 29.336	0.0045	12	-40 56 52.62	0.008	12	0.66	29.106	28	99.0	53.04	26	99.0	G5	CZ	1256	P -41 245
93	10.0E	9.6Z	37 38.695	0.0000	12	-40 10 58.56	0.004	12	0.86	38.695	63	98.9	58.77	57	98.9		CZ	1257D	P*-40 222
94		7.8T	37 40.747	-0.0008	17	-49 21 46.67	-0.010	13	0.77	40.785	17	02.0	46.16	18	99.3	K5	GC	3212	C -49 731
95	9.1E	8.6H	37 47.113	0.0011	12	-40 12 56.49	0.007	12	0.86	47.057	63	98.9	56.86	57	98.9	K2	CZ	1258	P -40 223
96		4.5T	37 53.568	0.0087	05	-43 6 19.75	-0.021	05	0.26	53.175	12	05.0	18.66	12	99.3	A2	GC	3217	C*-43 814
97	10.1E	8.9H	37 56.618	-0.0011	12	-44 41 42.82	0.019	12	0.71	56.667	45	03.9	43.69	45	03.9	K0	CZ	1261	P -45 266
98	11.1E	9.4Z	38 24.155	-0.0015	12	-48 14 22.83	-0.001	12	0.64	24.228	31	02.2	22.78	28	02.2		CZ	1263	P -48 301
99		4.1H	38 41.625	0.0117	03	-40 4 6.79	-0.025	02	0.10	41.202	05	13.7	5.85	05	12.1	K0	F4	1075	C -40 689
00	10.3E	9.3Z	38 46.815	0.0037	12	-48 35 5.26	-0.009	12	0.64	46.639	31	02.2	4.84	28	02.2		CZ	1267	P -48 302

216000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1E	9.0Z	2 38 54.423	0.0002	12	-45 22 49.58	0.034	12	0.65	54.414	31	01.5	51.23	28	01.5		CZ	1268	P -45 267
2		7.7T	38 55.955	0.0005	17	-41 30 46.74	0.004	14	0.80	55.930	17	01.2	46.97	18	98.9	K5	GC	3242	C -41 760
3	10.3E	9.1Z	39 9.289	0.0056	12	-46 11 13.38	0.026	12	0.65	9.019	31	01.6	14.64	28	01.6		CZ	1271	P -46 252
4	9.4E	8.8H	39 12.012	-0.0006	12	-42 14 59.47	-0.002	12	0.66	12.042	28	99.6	59.35	26	99.6	K2	CZ	1270	P -42 256
5	11.1E	9.7Z	39 24.101	0.0006	12	-47 41 2.96	0.010	12	0.65	24.073	31	01.6	3.44	28	01.6		CZ	1272	P -48 303
6	9.1E	9.3H	39 35.913	-0.0025	12	-41 53 31.00	-0.035	12	0.74	36.037	45	00.4	29.26	45	00.4	F5	CZ	1273	P -42 257
7	10.8E	9.5Z	39 37.798	-0.0009	12	-43 30 46.52	0.020	12	0.64	37.839	31	02.2	47.47	28	02.2		CZ	1275	P -44 297
8	10.0E	9.6Z	39 51.789	0.0023	12	-42 24 18.16	0.016	12	0.74	51.675	45	00.4	18.96	45	00.4		CZ	1276	P -42 259
9	8.8E	8.0H	39 54.253	0.0015	12	-47 20 29.72	0.019	12	0.65	54.182	31	01.6	30.63	28	01.6	K0	CZ	1277	P -47 289
10	8.9E	8.6H	39 58.105	-0.0004	12	-45 48 55.97	0.003	12	0.72	58.126	45	02.9	56.11	45	02.9	A3	CZ	1278	P -46 253
11		7.9T	40 14.984	0.0032	12	-42 44 39.80	0.029	13	0.69	14.812	15	96.9	41.29	18	98.0	K0	GC	3266	C -43 819
12	10.5E	9.5Z	40 15.075	-0.0025	12	-48 49 55.64	-0.039	12	0.65	15.186	31	01.9	55.78	28	01.9		CZ	1281	P -49 336
13		6.2T	40 20.439	0.0016	08	-46 44 7.60	-0.090	06	0.34	20.372	14	07.4	3.32	12	02.6	G5	GC	3269	C -47 832
14	10.0E	9.0Z	40 20.630	0.0000	12	-44 41 28.38	-0.006	12	0.64	20.628	31	02.2	28.10	28	02.2		CZ	1280	P -45 268
15	9.8E	9.4Z	40 29.690	0.0007	12	-49 18 49.36	-0.006	12	0.72	29.659	45	02.9	49.08	45	02.9		CZ	1283	P -49 337
16	9.8E	9.0Z	40 48.084	-0.0011	12	-45 6 51.27	-0.009	12	0.65	48.136	31	01.5	50.83	28	01.5		CZ	1284	P -45 269
17		7.7T	40 59.070	0.0011	11	-49 56 27.55	-0.018	09	0.45	59.028	15	10.3	26.78	15	07.5	F5	GC	3284	C -50 800
18		8.8T	41 7.349	0.0054	18	-41 26 57.17	0.009	14	0.82	7.089	19	02.0	57.62	18	99.2	K2	GC	3287	C -41 767
19		6.3T	41 23.737	0.0011	10	-40 44 21.63	0.029	07	0.47	23.680	15	98.4	23.22	15	93.0	A0	GC	3290K	C*-41 769
20		7.5T	41 32.231	-0.0039	14	-44 51 53.05	-0.021	12	0.70	32.428	17	99.8	51.90	17	96.1	K0	GC	3295	C -45 874
21	9.9E	8.5Z	41 37.406	-0.0005	12	-49 37 2.78	-0.029	12	0.65	37.429	31	01.9	1.38	28	01.9		CZ	1291	P -49 338
22		9.0T	41 46.084	0.0060	18	-46 39 29.64	-0.497	22	0.95	45.751	21	04.2	7.51	21	05.5	K0	GC	3302	C -46 790
23	9.3E	9.4H	41 57.759	-0.0023	12	-43 2 54.84	-0.019	12	0.64	57.872	28	00.7	53.90	24	00.7	F8	CZ	1294	P -43 282
24	9.6E	9.2H	42 1.049	-0.0028	12	-43 0 13.51	-0.024	12	0.68	1.164	36	01.6	12.35	36	01.6	K0	CZ	1295	P -43 283
25	9.6E	8.9H	42 1.283	0.0001	12	-40 29 16.07	-0.009	12	0.67	1.278	28	98.6	15.62	26	98.6	K2	CZ	1293	P -40 228
26	9.1E	9.2H	42 57.727	0.0030	12	-41 10 26.24	0.023	12	0.74	57.576	45	99.9	27.40	45	99.9	A5	CZ	1296	P -41 255
27	9.2E	9.3H	43 4.984	-0.0022	12	-42 38 33.63	-0.021	12	0.66	5.094	28	99.4	32.57	26	99.4	K0	CZ	1299	P -42 262
28	8.7E	9.3H	43 4.987	0.0034	12	-42 4 59.55	0.003	12	0.66	4.814	28	99.4	59.68	26	99.4	K0	CZ	1298	P -42 261
29	8.6E	8.0H	43 9.258	-0.0007	12	-41 30 17.64	-0.033	12	0.74	9.293	45	99.9	15.97	45	99.9	K5	CZ	1300	P -41 257
30	8.6E	7.6H	43 12.817	-0.0014	12	-48 52 47.31	0.007	12	0.65	12.885	31	01.9	47.66	28	01.9	K5	CZ	1306	P -49 339
31	9.4E	9.3H	43 12.907	-0.0026	12	-40 52 30.66	0.003	12	0.74	13.037	45	99.9	30.83	45	99.9	G5	CZ	1301	P -41 258
32	8.0E	8.1H	43 15.037	-0.0008	12	-45 34 29.18	-0.006	12	0.65	15.078	31	01.5	28.88	28	01.5	A2	CZ	1303	P -45 274
33	10.2E	8.8Z	43 16.222	-0.0062	12	-43 42 39.96	-0.010	12	0.65	16.525	28	00.9	39.46	26	00.9		CZ	1302	P -44 298
34	10.1E	9.5H	43 17.949	-0.0002	12	-47 22 33.91	0.013	12	0.65	17.961	31	01.6	34.54	28	01.6	G5	CZ	1306	P -47 293
35	9.6E	9.1Z	43 24.398	-0.0034	12	-40 11 30.62	0.028	12	0.86	24.571	63	98.9	32.06	57	98.9		CZ	1304	P -40 229
36		6.8T	43 28.862	-0.0008	11	-46 29 48.79	-0.009	09	0.55	28.900	17	99.0	48.27	18	93.8	K0	GC	3326	C -46 797
37	9.7E	10.0H	43 36.465	0.0015	12	-40 57 7.33	-0.006	12	0.74	36.389	45	99.9	7.04	45	99.9	G0	CZ	1307	P -41 261
38		6.9T	43 40.115	-0.0001	06	-43 2 50.28	-0.062	05	0.27	40.117	10	08.6	47.40	10	03.7	G5	GC	3331	C -43 835
39	9.1E	8.5H	43 40.119	-0.0051	12	-46 46 2.69	-0.016	12	0.72	40.361	45	02.9	1.93	45	02.9	K0	CZ	1312	P -47 294
40	8.3E	8.2H	43 41.266	-0.0030	12	-41 26 32.64	-0.025	12	0.66	42.618	28	99.2	31.35	26	99.2	F5	CZ	1310D	P*-41 262
41	10.2E	9.5Z	43 50.676	0.0016	12	-49 30 5.80	0.006	12	0.63	50.598	28	01.9	6.09	26	01.9		CZ	1313	P -49 341
42	8.7E	8.2H	44 3.849	0.0028	12	-45 48 59.97	-0.026	12	0.65	3.715	31	01.6	58.71	28	01.6	F5	CZ	1315	P -46 257
43	9.4E	9.0Z	44 43.626	-0.0002	12	-44 54 0.90	0.002	12	0.65	43.638	31	01.5	0.98	28	01.5		CZ	1316	P -45 276
44		7.9T	44 49.989	-0.0061	16	-41 10 6.22	0.003	13	0.77	49.696	17	00.5	6.37	18	97.9	F8	GC	3355	C -41 792
45	9.3E	8.6H	44 52.272	-0.0027	12	-43 12 48.02	0.004	12	0.72	52.700	45	02.4	48.21	45	02.4	K0	CZ	1318	P -43 288
46	10.2E	10.3H	45 11.748	0.0005	12	-47 12 47.27	-0.036	12	0.65	11.725	31	01.6	45.53	28	01.6	G0	CZ	1319	P -47 295
47	10.4E	9.7Z	45 21.643	0.0030	12	-42 13 2.69	-0.019	12	0.66	21.492	28	99.4	1.71	26	99.4		CZ	1320	P -42 266
48	9.6E	9.5H	45 37.683	-0.0021	12	-40 39 50.56	-0.032	12	0.86	37.790	63	98.9	48.93	57	98.9	G0	CZ	1321	P -40 234
49	9.0E	9.6H	45 52.051	-0.0033	12	-40 43 38.44	-0.016	12	0.86	52.219	63	98.9	37.63	57	98.9	G0	CZ	1322	P -41 286
50	9.2E	8.5H	46 7.289	-0.0031	12	-48 7 18.19	-0.034	12	0.63	7.437	28	02.4	16.57	26	02.4	K0	CZ	1325	P -48 308
51	9.1E	8.7H	2 46 8.898	-0.0010	12	-40 0 40.39	0.010	12	0.68	8.950	28	97.9	40.92	26	97.9	G5	CZ	1324	P -40 235
52	9.2E	8.7H	46 15.541	-0.0005	12	-48 19 43.38	0.004	12	0.63	15.563	28	02.4	43.59	26	02.4	K2	CZ	1327	P -48 309
53	10.0E	9.0Z	46 18.115	0.0035	12	-49 52 56.00	0.035	12	0.64	17.948	31	02.2	57.68	28	02.2		CZ	1329	P -50 375
54	9.5E	8.8H	46 20.921	-0.0028	12	-43 47 16.27	-0.099	12	0.63	21.054	28	01.9	11.50	26	01.9	F5	CZ	1326	P -44 300
55	9.6E	9.1H	46 22.869	-0.0010	12	-45 32 1.76	-0.004	12	0.67	22.918	36	02.8	1.57	36	02.8	G5	CZ	1328	P -45 278
56	11.3E	9.8Z	46 38.931	0.0006	12	-44 35 44.87	-0.004	12	0.63	38.901	28	02.4	44.68	26	02.4		CZ	1331	P -44 301
57	9.1E	9.7H	46 59.968	0.0016	12	-44 5 55.49	0.002	12	0.63	59.890	28	02.4	55.58	26	02.4	A0	CZ	1332	P -44 302
58		8.0T	47 5.461	0.0014	07	-46 33 15.00	0.015	06	0.35	5.399	15	04.6	15.75	14	98.7	F5	GC	3394	C -46 817
59		6.7T	47 10.432	-0.0005	16	-45 17 47.27	0.014	12	0.73	10.457	17	00.7	47.99	18	97.0	G5	GC	3395	C -45 913
60	10.1E	9.9H	47 28.401	-0.0005	12	-47 20 18.92	-0.051	12	0.63	28.427	28	01.9	16.46	26	01.9	G0	CZ	1337	P -47 297
61	9.9E	9.2Z	47 56.837	0.0024	12	-42 12 41.87	-0.011	12	0.66	56.715	28	99.3	41.30	26	99.3		CZ	1338	P -42 268
62	8.7E	8.1H	48 32.139	-0.0005	12	-42 25 59.72	-0.046	12	0.66	32.163	28	99.6	57.40	26	99.6	G0	CZ	1339	P -42 269
63	9.4E	9.4H	48 42.760	-0.0029	12	-48 18 45.99	-0.011	12	0.64	42.619	31	02.2	46.53	28	02.2	G0	CZ	1341D	P*-48 311
64		8.0T	48 51.647	-0.0015	17	-44 17 0.00	-0.285	14	0.79	51.719	19	02.2	-45.50	18	99.2	G0	GC	3431	C -44 863
65		6.2T	48 51.799	0.0043	09	-40 8 14.41	-0.011	08	0.49	51.565	15	95.5	15.02	15	94.0	B9	GC	3432	C -40 736
66	10.4E	9.5Z	48 57.695	0.0024	12	-45 4 34.19	0.014	12	0.65	57.578	31	01.5	34.87	28	01.5		CZ	1343	P -45 282
67	8.5E	8.1H	49 0.993	-0.0002	12	-49 4 42.58	-0.061	12	0.65	1.004	31	01.9	39.66	28	01.9	G0	CZ	1349	P -49 346
68	9.4E	8.8H	49 2.998	-0.0027	12	-43 21 28.72	-0.085	12	0.65	3.131	28	00.0	24.46	26	00.0	G5	CZ	1344	P -43 291
69		6.9T	49 11.840	-0.0002	09	-41 10 6.42	0.005	06	0.40	11.849	14	04.7	6.66	14	02.4	F5	GC	3436	C -41 817
70	10.4E	9.7Z	49 15.429	-0.0058	12	-49 6 00.00	-0.054	12	0.72	15.704	45	02.9	57.47	45	02.9		CZ	1351	P -49 347
71	9.6E	8.9Z	49 25.126	-0.0007	12	-41 0 49.57	-0.054	12	0.74	25.159	45	99.9	46.87	45	99.9		CZ	1350	P -41 270
72		7.9T	49 25.933	0.0037	16	-46 11 59.79	0.018	12	0.75	25.749	19	00.8	+ 0.72	18	97.3	A3	GC	3440	C -46 831
73	9.3E	9.9H	49 27.004	0.0046	12	-48 10 11.25	0.054	12	0.71	26.792	45	03.4	13.76	45	03.4	F5	CZ	1354	P -48 312
74	9.2E	8.9H	49 31.955	-0.0004	12	-43 2 13.33	0.033	12	0.73	31.973	45	01.4	14.93	45	01.4	F8	CZ	1353	P -43 293
75	10.2E	9.3H	50 0.047	-0.0019	12	-47 24 27.95	-0.020	12	0.65	0.141	31	01.6	26.97	28	01.6	K2	CZ	1357	P -47 300
76	10.6E	9.6Z	50 4.302	0.0054	12	-47 11 49.77	0.024	12	0.65	4.041	31	01.6	50.92	28	01.6		CZ	1358	P -47 301
77		8.6T	50 30.620	0.0030	20	-41 21 17.68	0.064	17	0.87	30.486	24	05.5	20.69	22	03.0	A0	GC	3458	C -41 825
78	9.3E	9.5H	50 32.182	-0.0021	12	-44 29 5.88	0.006	12	0.72	32.280	45	02.8	6.16	45	02.8	F5	CZ	1363	P -44 309
79	9.9E	9.0Z	50 38.257	-0.0003	12	-42 52 25.34	0.042	12	0.73	38.271	45	01.4	27.38	45	01.4		CZ	1364	P -43 295
80	9.7E	8.8H	50 41.442	0.0008	12	-43 10 39.35	0.018	12	0.65	41.402	28	99.9	40.25	26	99.9	G5	CZ	1365	P -43 296
81		6.7T	50 49.877	0.0038	06	-41 35 44.62	-0.010	05	0.29	49.712	12	06.8	44.14	12	99.5	A2	GC	3465	C -41 827
82	9.6E	10.1H	50 59.152	0.0021	12	-46 1 43.03	0.001	12	0.65	59.052	31	01.6	43.07	28	01.6	A5	CZ	1367	P -46 264
83	9.3E	9.2H	51 9.230	0.0021	12	-48 21 23.80	-0.004	12	0.64	9.128	31	02.2	23.63	28	02.2	F5	CZ	1368	P -48 315
84		8.7T	51 50.078	0.0045	18	-41 27 17.45	0.031	16	0.86	49.861	19	01.9	18.99	18	00.1	F2	GC	3485	C -41 832
85		8.4T	51 56.665	0.0032	17	-40 23 48.25	0.001	13	0.78	56.509	18	01.3	48.30	17	99.2	F0	GC	3486	C -40 750
86		7.9T	52 2.180	0.0081	17	-44 48 34.13	0.051	13	0.77	1.765	17	01.1	36.75	18	98.3	G0	GC	3490	C -45 946
87	10.0E	9.5H	52 7.525	0.0026	12	-44 43 3.67	-0.042	12	0.63	7.400	28	02.4	1.67	26	02.4	G0	CZ	1373	P -45 299
88	9.3E	8.8H	52 18.687	0.0079	12	-49 33 55.71	0.108	12	0.65	18.305	31	01.8	+ 0.92	28	01.8	G0	CZ	1376	P -49 349
89	8.9E	8.3H	52 21.598	-0.0076	12	-48 55 39.61	-0.178	12	0.63	21.964	28	01.9	31.16	26	01.9	F2	CZ	1377	P -49 350
90	8.4E	7.4H	52 28.089	-0.0016	12	-42 46 15.17	0.015	12	0.65	28.149	26	99.5	15.92	22	99.5	G5	CZ	1375	P -43 300
91	9.1E	9.1Z	52 40.446	-0.0002	12	-41 17 34.46	-0.011	12	0.66	40.456	28	99.1	33.92	26	99.1		CZ	1378	P -41 276
92	10.6E	9.3Z	52 42.341	0.0030	12	-45 42 0.94	0.053	12	0.64	42.199	31	02.2	3.47	28	02.2		CZ	1381	P -46 265
93	9.4E	9.0H	52 50.671	0.0011	12	-40 18 36.72	-0.036	12	0.86	50.615	63	98.9	34.89	57	98.9	G5	CZ	1382	P -40 246
94	10.8E	9.9Z	53 4.428	-0.0005	12	-47 22 22.45	-0.009	12	0.65	4.454	31	01.6	22.20	28	01.6		CZ	1384	
95	9.4E	9.0H	53 14.778	-0.0006	12	-40 8 46.65	-0.053	12	0.68	14.806	28	97.9	43.90	26	97.9	F5	CZ	1383	P -40 248
96	10.1E	9.4H	53 20.455	-0.0038	12	-45 15 40.46	-0.094	12	0.64	20.636	31	02.2	35.97	28	02.2	G0	CZ	1385	P -45 291
97	9.9E	8.9H	53 34.564	0.0017	12	-46 24 25.07	-0.001	12	0.65	34.483	31	01.6	25.02	28	01.6	K0	CZ	1386	P -46 266
98	10.3E	9.4H	53 36.081	-0.0016	12	-49 51 39.33	-0.005	12	0.71	36.156	45	03.5	39.10	45	03.5	K5	CZ	1387	P -50 394
99	8.3E	7.9H	53 47.661	0.0023	12	-49 8 5.15	0.014	12	0.65	47.552	31	01.8	5.84	28	01.8	K0	CZ	1388	P -49 352
00	10.3E	8.9H	54 1.241	0.0017	12	-43 27 16.86	0.025	12	0.65	1.154	28	99.9	18.10	26	99.9	K2	CZ	1389	P -43 302

216100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 2H DM NUMBER
1	10.2E	9.6Z	2 54 1.459	0.0011	12	-47 51 3.41	0.020	12	0.64	1.407	31	02.2	4.36	28	02.2		CZ	1391	P -48 316
2	10.4E	9.5Z	54 13.808	-0.0060	12	-49 9 7.58	-0.007	12	0.72	14.092	45	02.9	7.28	45	02.9		CZ	1392	P -49 355
3	10.0E	9.3Z	54 32.055	0.0010	12	-40 56 10.44	0.024	12	0.66	32.003	28	99.0	11.68	26	99.0		CZ	1393	P -41 278
4	8.6E	8.6H	54 44.096	0.0005	12	-49 31 42.31	0.012	12	0.65	44.081	31	01.8	42.90	28	01.8	A0	CZ	1395	P -49 356
5	10.1E	9.2Z	54 55.832	-0.0045	12	-42 38 28.07	-0.039	12	0.66	55.859	28	99.4	26.10	26	99.4		CZ	1396	P -42 272
6	8.9E	8.9H	55 3.433	-0.0010	12	-46 55 29.03	0.020	12	0.65	3.483	31	01.6	30.00	28	01.6	F0	CZ	1397	P -47 305
7	9.4E	8.8H	55 13.029	-0.0013	12	-46 30 30.37	0.000	12	0.65	13.093	31	01.6	30.37	28	01.6	K0	CZ	1398	P -46 288
8	8.9E	8.7H	56 5.072	0.0011	12	-46 45 30.76	0.013	12	0.69	5.019	36	01.2	31.40	36	01.2	F2	CZ	1402	P -47 308
9	9.0E	8.6H	56 5.349	-0.0011	12	-43 1 28.56	0.015	12	0.65	5.404	28	99.9	29.31	26	99.9	A5	CZ	1400	P -43 305
10	9.1E	8.5H	56 5.834	0.0048	12	-45 52 12.79	0.002	12	0.65	5.599	28	00.6	12.88	26	00.6	K0	CZ	1401	P -46 271
11	10.9E	9.7Z	56 17.878	0.0014	12	-44 27 18.47	0.022	12	0.62	17.811	28	02.9	19.51	26	02.9		CZ	1404	P -44 313
13		3.4H	56 21.882	-0.0045	02	-40 30 15.15	0.023	02	0.40	22.051	05	12.7	16.02	05	11.4	A2	F4	106	C -40 771
14		4.4T	56 22.578	-0.0062	05	-40 30 14.34	0.022	07	0.35	22.930	12	93.2	15.54	12	95.4	A2	GC	3586K	C*-40 771
15	10.3E	9.1H	56 36.518	-0.0007	12	-49 38 48.11	-0.003	12	0.70	36.549	45	04.4	47.97	45	04.4	K5	CZ	1407	P -49 359
16	10.1E	8.9Z	56 38.055	-0.0007	12	-41 39 52.38	-0.006	12	0.65	38.090	26	99.5	52.06	24	99.5		CZ	1406	P -41 279
17	9.7E	9.4H	56 44.049	-0.0015	12	-47 17 6.26	-0.016	12	0.63	44.122	28	02.4	5.50	26	02.4	F0	CZ	1410	P -47 310
18	10.0E	9.4H	56 46.987	-0.0025	12	-44 55 53.45	-0.002	12	0.64	47.107	28	01.2	53.34	26	01.2	F2	CZ	1409	P -45 295
19	10.1E	8.8Z	56 53.577	-0.0037	12	-40 5 32.19	0.002	12	0.67	53.768	28	98.2	32.31	26	98.2		CZ	1408	P -40 255
20		7.3T	57 10.016	0.0036	10	-43 56 40.19	-0.156	09	0.43	9.863	14	07.2	33.44	15	06.6	G0	GC	3598	C -44 915
21	10.0E	9.5Z	57 12.693	0.0009	12	-42 34 28.02	-0.022	12	0.66	12.647	28	99.6	24.91	28	99.6		CZ	1413	P -42 274
22	8.4E	8.7H	57 14.712	0.0010	12	-46 55 16.66	-0.065	12	0.66	14.860	28	99.0	13.39	25	99.0	G5	CZ	1412	P -47 281
23	8.8E	8.4H	57 20.035	-0.0037	12	-49 39 8.29	-0.019	12	0.64	20.208	31	02.8	7.40	28	02.8	F2	CZ	1414	P -49 363
24	10.9E	9.6Z	57 25.813	-0.0016	12	-48 33 36.29	-0.006	12	0.62	25.889	28	02.9	36.02	28	02.9		CZ	1415	P -48 319
25	8.8E	8.8H	57 34.899	0.0021	12	-43 48 49.19	-0.000	12	0.70	34.802	45	05.0	49.16	45	05.0	A5	CZ	1416	P -44 317
26	10.2E	9.7H	57 49.684	-0.0017	12	-48 59 19.28	0.014	12	0.64	49.766	31	02.9	19.96	28	02.9	G0	CZ	1417	P -49 364
27	10.2E	9.1Z	58 3.674	0.0052	12	-42 11 11.16	0.062	12	0.74	3.416	45	00.4	14.22	45	00.4		CZ	1418	P -42 276
28		7.3T	58 16.383	0.0006	09	-42 4 18.19	-0.011	08	0.41	16.356	14	06.0	17.70	14	03.9	K0	GC	3619	C -42 987
29	10.4E	9.5H	58 24.342	-0.0001	12	-49 36 56.82	0.014	12	0.70	24.346	45	04.4	57.46	45	04.4	K5	CZ	1421	P -49 366
30	10.6E	9.4Z	58 25.141	0.0011	12	-49 34 15.98	-0.002	12	0.70	25.090	45	04.4	15.89	45	04.4		CZ	1422	P -49 367
31	7.7E	7.9H	58 25.270	0.0033	12	-47 36 53.48	0.046	12	0.64	25.112	31	02.2	55.68	28	02.2	A3	CZ	1420	P -47 314
32	10.2E	9.7Z	58 42.141	0.0005	12	-49 30 57.33	0.040	12	0.70	42.117	45	04.4	59.16	45	04.4		CZ	1423	P -49 369
33	11.0E	9.5H	58 56.601	0.0007	12	-48 24 28.78	-0.001	12	0.64	56.566	31	02.9	28.75	28	02.9	K5	CZ	1424	P -48 322
34	8.5E	8.6H	59 7.077	-0.0022	12	-45 28 37.52	0.022	12	0.66	7.187	31	00.6	38.61	28	00.6	A3	CZ	1426	P -45 300
35	10.5E	9.4Z	59 9.262	0.0005	12	-46 25 45.12	0.035	12	0.67	9.239	31	99.9	46.87	28	99.9		CZ	1428	P -46 275
36		7.7T	59 11.733	0.0003	18	-41 32 54.12	0.001	13	0.79	11.718	19	02.3	54.19	18	99.7	M0	GC	3635	C -41 866
37	9.6E	9.7H	59 15.053	-0.0003	12	-49 57 21.59	0.026	12	0.70	15.066	45	05.0	22.77	45	05.0	K0	CZ	1431	P -50 406
38	10.4E	9.5H	59 23.243	-0.0007	12	-43 34 8.94	0.002	12	0.65	23.275	28	00.6	9.03	26	00.6	K5	CZ	1430	P -43 310
39	10.8E	9.8Z	59 52.811	0.0008	12	-45 7 33.94	0.016	12	0.66	52.770	31	00.6	34.73	28	00.6		CZ	1432	P -45 301
40	9.5E	8.8H	3 0 5.236	0.0051	12	-49 3 0.92	0.052	12	0.64	4.997	31	02.8	3.39	28	02.8	G5	CZ	1435	P -49 371
41	10.3E	9.0Z	0 9.625	0.0006	12	-42 46 54.30	0.009	12	0.66	9.594	28	99.3	54.76	26	99.3		CZ	1433	P -43 312
42	9.8E	8.0H	0 10.655	-0.0024	12	-42 1 58.64	-0.016	12	0.74	10.774	45	00.4	57.83	45	00.4	K2	CZ	1434	P -42 279
43		7.9T	0 11.366	-0.0084	09	-47 45 19.18	0.005	08	0.41	11.730	14	06.7	19.38	15	06.3	F5	GC	3650	C -48 629
44	9.7E	9.1H	0 14.830	-0.0013	12	-44 34 43.09	0.013	12	0.64	14.890	31	02.9	43.70	28	02.9	G0	CZ	1436	P -44 319
45	10.2E	9.4Z	0 28.793	-0.0035	12	-49 36 33.68	-0.016	12	0.70	28.952	45	04.4	32.95	45	04.4		CZ	1439	P -49 376
46	10.8E	9.9H	0 34.684	-0.0009	12	-46 44 51.08	0.002	12	0.67	34.731	31	99.9	51.17	28	99.9	MA	CZ	1440	P -47 317
47	8.4E	8.3H	0 40.064	0.0033	12	-40 26 27.30	-0.074	12	0.68	39.892	28	97.9	31.17	26	97.9	F2	CZ	1438	P -40 282
48	9.6E	9.5Z	0 46.131	0.0032	12	-48 58 45.46	-0.012	12	0.66	45.716	28	99.4	44.83	26	99.4		CZ	1441	P -48 280
49	10.2E	9.0Z	1 11.070	0.0013	12	-49 53 8.87	0.008	12	0.70	11.011	45	05.0	9.23	45	05.0		CZ	1445D	P*-50 408
50		5.7H	1 13.240	0.0020	03	-47 10 12.72	0.008	03	0.13	13.168	06	14.7	13.02	06	13.7	K0	F4	1086	C -47 932
51	10.5E	9.7Z	3 1 21.933	-0.0006	12	-43 22 56.39	-0.009	12	0.64	21.961	26	00.5	55.93	24	00.5		CZ	1444	P -43 314
52		8.5T	1 37.758	0.0036	13	-44 14 56.32	-0.030	12	0.68	37.578	17	99.6	54.68	18	96.2	F0	GC	3673	C -44 951
53	9.8E	8.7H	1 43.424	0.0003	12	-48 53 39.84	0.024	12	0.62	43.408	28	03.2	40.96	26	03.2	G5	CZ	1447	P -49 378
54	10.8E	9.3Z	2 0.242	-0.0027	12	-43 12 55.41	-0.006	12	0.64	0.376	26	00.5	55.10	24	00.5		CZ	1448	P -43 315
55	9.2E	8.7H	2 6.219	0.0042	12	-40 18 4.31	0.012	12	0.68	6.000	28	97.9	4.93	26	97.9	G0	CZ	1449	P -40 267
56		6.7T	2 7.559	0.0004	06	-44 5 33.22	0.026	05	0.28	7.543	12	07.6	34.49	12	00.4	K0	GC	3686	C -44 956
57		9.4T	2 11.965	0.0023	26	-45 37 48.02	0.128	22	1.12	11.861	27	05.2	53.91	19	03.8	G5	GC	3689	C -45 1011
58		7.3T	2 27.771	-0.0002	18	-48 3 2.20	0.056	14	0.82	27.781	17	02.1	4.99	18	99.7	K0	GC	3696	C -48 839
59	9.6E	9.6H	3 0.224	-0.0041	12	-40 4 21.61	-0.228	12	0.86	0.434	63	98.9	9.95	57	98.9	G0	CZ	1454	P -40 268
60	10.9E	9.7Z	3 0.679	0.0017	12	-47 39 21.83	0.047	12	0.64	0.596	31	02.1	24.10	28	02.1		CZ	1457	P -47 324
61	10.6E	9.7Z	3 8.782	0.0032	12	-41 35 28.24	0.019	12	0.67	8.618	28	98.9	29.23	26	98.9		CZ	1456	P -41 287
62		7.9T	3 26.360	0.0034	15	-41 10 39.32	-0.000	13	0.74	26.191	17	00.6	39.31	18	98.2	F2	GC	3709	C -41 893
63	9.4E	9.2H	3 30.332	0.0003	12	-40 0 54.21	0.002	12	0.86	30.316	63	98.9	54.30	57	98.9	G0	CZ	1463	P -40 270
64	9.0E	9.4H	3 54.616	0.0014	12	-44 5 48.05	0.036	12	0.64	54.549	31	02.2	49.79	28	02.2	A0	CZ	1464	P -44 326
65	10.7E	9.5Z	4 9.368	-0.0009	12	-46 22 53.18	0.015	12	0.67	9.412	31	99.8	53.92	28	99.8		CZ	1465	P -46 279
66		9.2T	4 13.610	0.0022	26	-49 42 6.12	-0.126	26	1.16	13.513	21	05.2	11.75	21	05.2	F8	GC	3721	C*-49 857
67		8.3T	4 27.576	-0.0089	26	-48 59 17.98	-0.156	26	1.16	27.975	21	05.2	10.98	21	05.2	F8	GC	3724	C -49 859
68	10.0E	9.5Z	4 28.010	0.0034	12	-48 56 12.48	0.032	12	0.70	27.854	45	04.4	13.93	45	04.4		CZ	1468	P -49 382
69	10.1E	8.2Z	4 44.878	-0.0018	12	-41 53 41.21	-0.005	12	0.66	44.969	28	99.3	40.97	26	99.3		CZ	1471	P -42 283
70	10.2E	9.1Z	4 54.278	-0.0019	12	-43 21 49.46	-0.025	12	0.72	54.367	45	02.4	48.29	45	02.4		CZ	1472	P -43 318
71	10.0E	8.7H	5 19.371	-0.0027	12	-45 32 5.67	0.006	12	0.74	19.503	45	00.4	5.94	45	00.4	K0	CZ	1474	P -45 308
72	10.5E	9.3H	5 48.413	-0.0013	12	-44 39 54.52	0.022	12	0.64	48.475	31	02.1	55.59	28	02.1	K0	CZ	1476	P -44 328
73	10.1E	9.2Z	5 49.654	0.0031	12	-43 33 23.97	0.041	12	0.65	49.500	28	00.6	26.01	26	00.6		CZ	1475	P -43 321
74	10.2E	9.3H	5 51.273	-0.0020	12	-46 10 57.62	0.033	12	0.67	51.372	31	99.9	59.25	28	99.9	G0	CZ	1477	P -46 283
75	8.7E	8.0H	5 53.506	-0.0027	12	-47 13 44.29	-0.125	12	0.63	53.633	28	02.4	38.32	26	02.4	F8	CZ	1478	P -47 326
76	9.8E	8.2Z	6 19.197	0.0031	12	-42 42 17.75	0.045	12	0.66	19.139	28	99.2	20.01	26	99.2		CZ	1480D	P*-42 284
77		8.7T	6 43.158	0.0021	17	-41 31 42.66	0.015	13	0.76	43.057	19	02.3	43.43	18	00.3	A3	GC	3769	C -41 904
78	9.9E	8.7H	6 45.900	-0.0001	12	-44 30 15.30	0.005	12	0.68	45.904	36	01.9	15.52	36	01.9	K0	CZ	1482	P -44 331
79	10.1E	9.2H	6 49.011	0.0068	12	-45 38 9.60	-0.049	12	0.65	48.673	28	00.6	7.15	26	00.6	G5	CZ	1486	P -45 312
80	9.2E	8.5Z	6 50.512	-0.0032	12	-41 33 13.31	-0.049	12	0.69	50.671	36	00.2	10.88	36	00.2		CZ	1483D	P*-41 296
81	8.8E	8.4H	6 53.324	0.0006	12	-44 24 42.41	0.021	12	0.64	53.294	28	01.2	43.41	26	01.2	F5	CZ	1487	P -44 333
82		8.2T	7 1.184	0.0227	26	-48 12 24.41	-0.057	26	1.16	0.168	21	05.2	21.84	21	05.2	G5	GC	3775	C -48 856
83	8.8E	8.1H	7 7.206	-0.0029	12	-45 8 53.86	-0.061	12	0.65	7.349	28	00.6	50.82	26	00.6	G5	CZ	1489	P -45 314
84	10.1E	9.0Z	7 33.448	-0.0032	12	-40 57 50.90	-0.009	12	0.67	33.611	28	98.9	50.43	26	98.9		CZ	1490	P -41 298
85	9.8E	8.9H	7 34.443	-0.0037	12	-44 39 3.85	0.019	12	0.74	34.627	45	00.4	4.81	45	00.4	K0	CZ	1492	P -44 334
86	9.8E	9.5Z	7 38.136	-0.0012	12	-49 10 56.64	0.051	12	0.61	38.190	28	03.7	59.00	26	03.7		CZ	1496	P -49 387
87	9.7E	9.5H	7 42.828	0.0002	12	-40 37 33.42	-0.002	12	0.86	42.817	63	98.9	33.31	57	98.9	K	CZ	1494	P -40 276
88	9.4E	8.5H	7 42.902	-0.0040	12	-46 4 31.95	-0.020	12	0.65	43.094	31	01.5	30.96	28	01.5	G5	CZ	1495	P -46 285
89		8.4T	7 44.564	0.0008	12	-49 9 7.76	0.022	10	0.61	44.524	18	99.5	8.95	21	95.7	F0	GC	3786	C -49 875
90	10.0E	10.0Z	7 44.910	0.0003	12	-49 9 26.89	0.037	12	0.70	44.895	45	04.9	28.55	45	04.9		CZ	1498	P -49 388
91		8.9T	7 45.477	-0.0007	14	-49 12 27.02	-0.012	12	0.69	45.511	22	01.2	26.39	21	97.7	K0	GC	3787	C -49 877
92	10.0E	9.8H	8 3.072	-0.0018	12	-47 3 28.29	-0.004	12	0.65	3.157	31	01.6	28.08	28	01.6	F5	CZ	1500	P -47 328
93	8.9E	8.8H	8 11.899	0.0003	12	-45 10 51.53	0.005	12	0.72	11.885	45	02.9	51.74	45	02.9	A0	CZ	1501	P -45 316
94	8.7E	8.2H	8 25.264	0.0035	12	-43 54 33.25	-0.004	12	0.67	25.088	31	99.9	33.07	28	99.9	F5	CZ	1503	P -44 335
95	9.6E	9.0Z	8 27.170	0.0044	12	-42 25 7.36	0.003	12	0.66	26.947	28	99.2	7.49	26	99.2		CZ	1502	P -42 285
96	9.6E	8.8Z	8 47.064	0.0010	12	-42 7 30.27	0.006	12	0.66	47.014	28	99.3	30.59	26	99.3		CZ	1505	P -42 286
97		6.1T	8 49.782	0.0030	10	-48 55 19.97	-0.022	07	0.51	49.618	17	95.5	18.64	15	89.7	K0	GC	3809	C -49 884
98	10.0E	9.4H	8 55.135	0.0050	12	-46 32 2.18	0.065	12	0.65	54.890	31	01.4	5.31	28	01.4	F5	CZ	1508	P -46 286
99	9.9E	9.0Z	8 56.597	-0.0009	12	-49 20 32.71	0.011	12	0.70	56.637	45	04.9	33.19	45	04.9		CZ	1510	P -49 394
00	10.1E	9.6H	8 58.515	0.0061	12	-46 16 33.17	0.189	12	0.72	58.131	45	02.8	42.06	45	02.8	G0	CZ	1509	P -46 287

216200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6E	9.0Z	3 8 58.655	0.0076	12	-43 1 30.23	0.072	12	0.75	58.258	45	98.9	33.89	45	98.9		CZ	1506	P 143 329
2	9.6E	8.8H	9 14.305	0.0013	12	-48 31 20.42	0.004	12	0.64	14.441	31	02.2	20.60	28	02.2	K0	CZ	1513	P -48 333
3	9.3E	9.2H	9 14.609	0.0006	12	-43 18 4.72	0.023	12	0.75	14.573	45	98.9	5.87	45	98.9	F0	CZ	1511	P -43 330
4	9.7E	9.2Z	9 16.923	0.0046	12	-43 2 21.34	0.075	12	0.67	16.688	28	98.6	25.17	28	98.6		CZ	1512	P -43 331
5		7.7T	9 22.402	0.0007	17	-46 32 18.21	0.013	15	0.77	22.370	18	02.2	18.86	21	98.9	K0	SC	3822	C -46 842
6	10.0E	9.6Z	10 7.853	-0.0035	12	-40 1 2.14	0.010	12	0.68	8.035	28	97.9	2.85	28	97.9		CZ	1517	P -40 280
7		7.3T	10 22.707	-0.0031	11	-40 35 47.89	-0.031	11	0.61	22.885	15	98.8	49.52	17	97.3	A3	SC	3841	C -40 826
8	10.2E	9.2Z	10 33.520	-0.0082	12	-40 34 43.90	-0.001	12	0.66	33.631	28	99.2	43.84	28	99.2		CZ	1520	P -41 303
9		5.9T	10 40.305	-0.0004	05	-44 36 22.35	-0.004	05	0.30	39.884	09	01.0	22.54	09	00.5	F2	SC	3849	C -44 1025
10		7.9T	10 45.986	-0.0019	08	-46 40 34.75	-0.042	08	0.40	46.048	15	07.5	32.83	15	04.7	F0	SC	3849	C -46 849
11	10.4E	10.4H	10 51.936	-0.0005	12	-45 19 52.21	0.005	12	0.65	51.983	31	01.6	52.42	28	01.6	F0	CZ	1523	P -45 318
12	9.8E	9.2Z	11 7.730	-0.0042	12	-43 25 20.30	-0.020	12	0.67	7.946	28	98.4	19.28	28	98.4		CZ	1525	P -43 336
13	8.4E	7.5H	11 7.989	-0.0003	12	-42 33 39.73	0.030	12	0.66	7.954	28	99.4	41.22	28	99.4	F0	CZ	1524	P -42 288
14		7.2T	11 14.843	-0.0076	15	-47 20 29.15	-0.029	12	0.73	15.231	19	00.5	27.62	18	97.5	G0	SC	3856	C -47 980
15		7.2T	11 25.934	0.0004	11	-41 33 56.66	0.010	08	0.53	25.912	18	98.7	57.26	17	94.5	K2	SC	3860	C -41 926
16	9.0E	8.0H	11 30.745	0.0082	12	-47 58 15.08	0.039	12	0.64	30.351	31	02.2	16.96	28	02.2	K0	CZ	1528	P -48 337
17		7.7T	11 37.243	0.0022	16	-49 30 55.60	0.013	12	0.74	37.133	17	01.1	56.27	18	97.5	K0	SC	3865	C -49 885
18	9.3E	8.7H	11 38.976	0.0016	12	-43 33 5.72	0.016	12	0.70	38.898	36	99.2	6.55	36	99.2	A5	CZ	1529	P -43 337
19	8.4E	8.5H	11 50.467	0.0070	12	-46 6 6.16	0.026	12	0.64	50.128	28	01.7	7.39	28	01.7	F5	CZ	1532	P -46 292
20	8.7E	8.6H	11 54.892	0.0049	12	-47 22 46.67	0.053	12	0.63	54.655	28	01.9	49.25	28	01.9	F5	CZ	15340	P 147 374
21	8.9E	9.2H	11 55.916	-0.0015	12	-46 2 16.14	-0.011	12	0.67	55.984	36	02.8	15.61	36	02.8	F0	CZ	1533	P -46 293
22		9.2T	11 58.885	0.0031	15	-45 46 48.80	0.030	12	0.72	58.731	22	01.1	51.19	19	96.4	A3	SC	3871	C -46 980
23		7.5T	12 19.648	-0.0008	09	-40 26 27.63	0.010	09	0.42	19.683	14	06.0	28.07	14	05.2	K0	SC	3881	C -40 833
24	9.3E	7.8H	12 37.711	-0.0003	12	-42 51 29.53	0.019	12	0.67	37.727	28	98.3	30.49	26	98.3	K2	CZ	1539	P -43 339
25	9.8E	10.0H	13 0.319	-0.0006	12	-45 45 38.19	-0.002	12	0.72	0.345	45	02.9	38.08	45	02.9	A2	CZ	1540	P -46 296
26	10.3E	9.4H	13 7.374	0.0003	12	-45 11 8.60	-0.040	12	0.65	7.360	31	01.5	6.64	28	01.5	G	SC	1541	P -45 321
27		7.9T	13 11.892	0.0021	17	-44 18 16.17	0.021	13	0.77	11.791	17	01.8	19.21	18	99.1	K5	SC	3894	C -44 1038
28	9.7E	9.1H	13 12.380	0.0065	12	-44 44 49.32	0.005	12	0.65	12.054	28	99.8	49.55	26	99.8	F8	CZ	1543	P -45 322
29	10.2E	9.4Z	13 23.239	0.0027	12	-46 27 34.94	0.022	12	0.72	23.110	45	02.8	35.96	45	02.8		CZ	1545	P -46 297
30		6.8T	13 24.632	-0.0143	10	-45 51 3.86	0.139	08	0.55	25.422	19	94.6	12.48	18	88.0	G0	SC	3900	C -46 968
31		8.1T	13 26.776	0.0011	13	-41 24 52.69	0.024	10	0.63	26.721	18	99.2	54.20	17	95.4	K0	SC	3902	C -41 936
32	9.6E	9.6H	13 30.008	-0.0023	12	-48 42 20.95	-0.005	12	0.64	30.116	31	02.2	20.71	28	02.2	G5	CZ	1550	P -48 339
33	10.2E	9.0Z	13 30.552	-0.0016	12	-42 53 51.35	-0.021	12	0.75	30.634	45	98.9	50.26	45	98.9		CZ	1548D	P 143 341
34		8.0T	13 30.540	-0.0020	16	-43 28 9.55	0.026	12	0.71	30.634	19	01.9	10.85	18	99.6	K0	SC	3910	C -43 1015
35	10.6E	9.8H	14 1.974	-0.0011	12	-45 43 27.98	-0.019	12	0.65	2.025	31	01.5	27.04	28	01.5	K5	CZ	1553	P -46 299
36	9.9E	9.2Z	14 6.918	0.0008	12	-42 25 7.98	0.013	12	0.66	6.878	28	99.6	8.61	26	99.6		CZ	1552	P -42 291
37	10.0E	9.8H	14 46.882	0.0005	12	-47 59 5.52	0.017	12	0.71	46.866	45	03.4	6.34	45	03.4	F8	CZ	1556	P -48 340
38	9.3E	8.6H	14 53.950	0.0011	12	-47 28 41.73	-0.001	12	0.65	53.895	31	01.5	41.70	28	01.5	G5	CZ	1558	P -47 336
39		7.8T	14 55.193	0.0004	14	-41 27 11.98	0.008	11	0.67	55.173	18	00.5	12.41	21	95.6	F5	SC	3933	C -41 943
40	9.6E	8.8Z	14 57.461	0.0034	12	-42 42 33.96	0.038	12	0.66	57.289	28	99.2	35.87	26	99.2		CZ	15570	P 142 294
41	9.3E	9.2H	15 4.084	0.0021	12	-46 18 57.52	-0.001	12	0.72	3.923	45	02.8	57.46	45	02.8	F0	CZ	1559	P -46 304
42	9.7E	9.2H	15 7.128	-0.0027	12	-45 56 11.78	-0.112	12	0.65	7.258	31	01.4	6.31	28	01.4	G0	CZ	1560	P -46 305
43	10.2E	10.2H	15 18.721	-0.0007	12	-48 12 47.65	0.009	12	0.71	18.752	45	03.4	48.09	45	03.4	A3	CZ	1561	P -48 341
44		8.4T	15 32.683	-0.0084	17	-40 39 8.31	-0.015	16	0.82	33.088	18	01.7	7.57	18	01.1	F8	SC	3944	C -40 855
45	9.7E	8.4H	15 35.092	-0.0002	12	-43 35 22.92	0.007	12	0.67	35.101	28	98.4	23.30	28	98.4	K5	CZ	1564	P -43 351
46		5.8T	15 48.686	-0.0020	07	-47 56 3.00	0.029	05	0.29	48.771	09	07.3	4.31	09	04.2	K0	SC	3952	C -48 900
47	8.8E	9.0H	15 52.244	0.0117	12	-40 31 10.05	0.050	12	0.86	51.647	63	98.9	12.80	57	98.9	F5	CZ	1568D	P 140 293
48	10.1E	9.0H	15 56.336	0.0003	12	-46 23 2.05	0.027	12	0.63	56.321	28	01.9	3.33	26	01.9	MA	CZ	1569	P -46 308
49		8.5T	16 14.247	0.0081	10	-49 28 3.57	0.009	09	0.42	13.998	15	09.1	3.96	15	06.8	A0	SC	3957	C -49 912
50	10.0E	9.0Z	16 17.519	-0.0021	12	-41 45 18.78	-0.016	12	0.67	17.626	28	98.9	17.98	26	98.9		CZ	1570	P -42 297
51	9.3E	8.2H	3 16 34.227	0.0020	12	-40 10 29.31	-0.017	12	0.86	34.125	63	98.9	28.43	57	98.9	K0	CZ	1572	P -40 295
52	9.4E	8.1H	16 37.909	-0.0015	12	-42 27 20.47	-0.007	12	0.65	37.985	28	99.4	20.08	26	99.4	K0	CZ	1573	P -42 298
53	10.3E	9.1H	16 48.571	-0.0018	12	-49 10 39.89	-0.002	12	0.70	48.651	45	04.9	39.79	45	04.9	K2	CZ	1576	P -49 401
54	8.6E	8.2H	16 52.027	-0.0057	12	-42 49 22.76	0.029	12	0.70	52.312	36	99.9	24.19	36	99.9	G0	CZ	1574D	P 143 353
55	10.4E	9.8Z	16 53.218	0.0008	12	-47 7 19.79	-0.014	12	0.63	53.176	28	01.8	19.10	26	01.8		CZ	1577	P -47 336
56	10.1E	9.3H	16 55.406	0.0001	12	-41 20 27.68	-0.005	12	0.65	55.401	28	99.2	27.44	24	99.2	K2	CZ	1575	P -41 314
57	9.9E	9.3H	17 13.017	-0.0023	12	-44 21 59.65	-0.000	12	0.69	13.129	36	00.9	59.63	36	00.9	F5	CZ	1578	P -44 348
58		7.9T	17 44.208	0.0015	16	-42 45 4.49	0.045	12	0.70	44.138	24	04.4	6.72	22	00.1	G5	SC	3996	C -43 1029
59	9.7E	9.0H	17 46.889	-0.0037	12	-49 0 42.46	-0.037	12	0.63	47.041	31	03.2	40.72	28	03.2	F5	CZ	1585	P -49 403
60	9.1E	8.6H	17 47.144	0.0044	12	-45 17 12.78	0.124	12	0.65	46.931	31	01.6	18.76	28	01.6	G5	CZ	1582D	P 145 328
61	9.9E	10.0H	17 47.431	-0.0022	12	-47 43 51.96	-0.023	12	0.65	47.536	31	01.6	50.87	28	01.6	F5	CZ	1583	P -48 348
62	10.1E	9.2H	17 54.046	-0.0004	12	-44 25 31.06	-0.020	12	0.72	54.160	45	02.4	30.09	45	02.4	K2	CZ	1584	P -44 349
63		4.3H	17 55.851	0.2783	02	-43 15 35.73	0.748	02	0.10	45.746	05	13.7	1.57	05	15.4	G5	F4	119	C -43 1028
64	9.9E	9.4H	17 55.891	-0.0005	12	-45 31 19.94	0.003	12	0.65	55.913	31	01.6	20.07	28	01.6	F5	CZ	1586	P -45 329
65	8.7E	9.3H	17 57.837	-0.0009	12	-46 22 36.49	-0.003	12	0.72	57.878	45	02.8	36.33	45	02.8	F5	CZ	1588	P -46 312
66	9.4E	9.2H	18 18.983	0.0017	12	-40 28 27.36	-0.005	12	0.86	18.897	63	98.9	27.11	57	98.9	F5	CZ	1590	P -40 298
67	10.0E	9.5Z	18 25.440	-0.0001	12	-41 53 27.87	0.005	12	0.67	25.445	28	98.9	28.14	26	98.9		CZ	1591	P -42 302
68	10.3E	9.5Z	18 35.298	-0.0018	12	-48 51 46.59	0.005	12	0.70	35.377	45	04.9	47.16	45	04.9		CZ	1597	P -49 405
69	9.0E	8.7H	18 37.326	-0.0020	12	-46 0 27.65	-0.011	12	0.65	37.422	31	01.4	27.10	28	01.4	F8	CZ	1596	P -46 314
70	10.1E	10.2H	18 37.379	0.0002	12	-45 20 57.16	0.019	12	0.72	37.372	45	02.9	58.05	45	02.9	F5	CZ	1595	P -45 332
71	10.3E	9.7Z	18 39.614	0.0002	12	-48 31 19.25	0.018	12	0.64	39.602	31	02.2	20.10	28	02.2		CZ	1598	P -48 349
72	9.8E	8.8H	18 49.688	-0.0001	12	-48 5 16.32	0.021	12	0.71	49.671	45	03.4	17.32	45	03.4	K2	CZ	1599	P -48 350
73	10.0E	9.0H	19 13.267	0.0006	12	-49 25 28.05	0.002	12	0.63	13.242	31	03.2	28.13	28	03.2	F5	CZ	1601	P -49 408
74	10.0E	10.0H	19 14.595	-0.0024	12	-45 22 3.77	0.006	12	0.72	14.710	45	02.9	4.13	45	02.9	A2	CZ	1600	P -45 333
75	10.2E	9.3H	19 45.812	0.0001	12	-46 35 27.97	0.012	12	0.65	45.805	31	01.5	28.53	28	01.5	A2	CZ	1603	P -46 315
76	9.7E	10.0H	19 47.815	-0.0012	12	-47 56 14.68	-0.044	12	0.71	47.889	45	03.4	12.65	45	03.4	G0	CZ	1604	P -48 352
77	9.4E	8.6H	19 53.155	-0.0009	12	-40 4 58.17	0.017	12	0.88	53.203	28	97.9	59.04	26	97.9	K0	CZ	1602	P -40 304
78		6.5T	19 56.309	-0.0007	13	-47 57 17.56	-0.018	09	0.62	56.344	19	00.6	16.54	18	94.7	K0	SC	4027	C -48 930
79	9.4E	9.0H	20 19.939	0.0010	12	-41 42 4.22	0.011	12	0.67	19.888	28	98.7	4.80	28	98.7	G0	CZ	1606	P -41 325
80	8.7E	8.4H	20 27.957	0.0052	12	-41 29 41.00	0.105	12	0.75	27.883	45	99.4	46.32	45	99.4	G5	CZ	1608D	P 141 324
81	8.9E	8.1H	20 29.122	-0.0004	12	-47 27 1.59	0.027	12	0.86	29.143	63	98.9	2.95	57	98.9	G5	CZ	1607	P -48 308
82		7.1T	20 30.651	-0.0007	14	-46 56 24.18	-0.086	12	0.70	30.688	15	99.1	20.59	17	95.9	K0	SC	4039	C -47 1032
83	10.0E	9.5Z	20 39.621	-0.0002	12	-43 42 15.19	0.005	12	0.65	39.630	28	99.9	15.46	26	99.9		CZ	1610	P -43 357
84	10.4E	9.4Z	20 44.667	-0.0025	12	-42 26 32.70	-0.010	12	0.66	44.793	28	99.2	32.17	26	99.2		CZ	1611	P -42 304
85	8.4E	8.1H	20 54.412	0.0007	12	-44 18 31.67	-0.020	12	0.65	54.377	31	01.2	30.71	28	01.2	F5	CZ	1613	P -44 353
86	10.1E	9.8Z	21 2.088	-0.0013	12	-43 31 9.89	-0.008	12	0.65	2.129	28	99.9	9.31	26	99.9		CZ	1614	P -43 359
87		7.6T	21 7.515	0.0014	13	-41 25 37.24	-0.001	10	0.65	7.444	18	98.5	37.18	17	95.4	K5	SC	4047	C -41 981
88	10.4E	9.3Z	21 9.847	-0.0004	12	-49 0 59.77	0.018	12	0.64	9.885	31	02.9	0.61	28	02.9		CZ	1616	P -49 412
89	10.7E	9.6Z	21 13.634	-0.0000	12	-49 57 23.91	0.002	12	0.65	13.636	31	03.3	23.98	28	03.3		CZ	1617	P -50 439
90	8.4E	8.2H	21 28.801	0.0031	12	-44 24 32.47	0.040	12	0.65	28.447	28	00.4	34.43	26	00.4	A3	CZ	1618	P -44 356
91	10.0E	8.0Z	21 36.246	-0.0019	12	-41 32 28.73	0.084	12	0.70	36.343	36	99.2	27.96	36	99.2		CZ	1619	P -41 327
92		6.8T	21 45.074	0.0088	15	-40 13 9.64	0.003	12	0.71	44.634	15	00.0	9.79	17	97.3	G0	SC	4061K	C -40 998
93	9.3E	9.1H	21 54.478	0.0051	12	-41 56 20.14	0.040	12	0.65	54.220	28	99.4	22.19	24	99.4	F8	CZ	1623	P -42 306
94	10.1E	10.0H	22 6.706	-0.0001	12	-41 21 8.44	0.004	12	0.70	6.711	36	99.2	8.86	36	99.2	F0	CZ	1627	P -41 328
95	8.8E	8.5H	22 13.284	-0.0030	12	-48 22 36.67	0.023	12	0.71	13.364	45	03.4	37.74	45	03.4	K0	CZ	1629	P -48 357
96	10.3E	9.7Z	22 17.371	0.0019	12	-47 44 56.99	0.027	12	0.65	17.278	31	01.8	58.31	28	01.8		CZ	1630	P -48 358
97		7.3T	22 18.307	-0.0023	13	-41 24 24.49	-0.027	10	0.63	18.423	18	99.1	23.01	17	95.3	K0	SC	4073	C -41 998
98	9.1E	9.0H	22 28.909	-0.0023	12	-45 48 13.72	-0.026	12	0.74	27.017	45	00.4	14.41	45	00.4	B8	CZ	1631	P -46 317
99	8.1E	7.7H	22 35.208	0.0076	12	-45 16 22.35	0.038	12	0.67	34.827	31	99.8	24.13	28	99.8	F5	CZ	1633	P -45 335
00	10.4E	9.4Z	22 37.403	0.0015	12	-42 36 11.65	-0.048	12	0.86	37.327	28	99.2	9.19	26	99.2		CZ	1632	P -42 308

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.2T	3 22 48.116	-0.0018	11	-46 1 44.98	0.011	09	0.46	48.189	14	08.4	45.44	15	07.4	G5	GC	4079	C -46 1026
2		7.2T	22 54.033	-0.0004	16	-45 50 22.21	0.027	13	0.76	54.051	22	01.8	23.58	21	98.3	A2	GC	4082K	C*-46 1027
3	8.5E	8.3H	22 55.403	0.0025	12	-44 52 27.39	-0.013	12	0.67	55.277	31	99.9	26.76	28	99.9	F2	CZ	1635	P -45 357
4	9.4E	9.6H	22 55.489	0.0065	12	-47 1 33.43	0.031	12	0.72	55.181	45	02.9	34.86	45	02.9	F5	CZ	1637	P -47 344
5	10.4E	9.8H	23 9.857	-0.0007	12	-43 23 29.20	0.057	12	0.66	9.891	28	99.8	32.08	26	99.8	G0	CZ	1638	P -43 361
6	9.8E	10.0H	23 19.580	-0.0011	12	-46 38 34.83	0.023	12	0.65	19.631	31	01.5	35.93	28	01.5	F5	CZ	1642	P -46 320
7	9.5E	9.6H	23 20.487	0.0022	12	-48 30 27.43	0.025	12	0.64	20.380	31	02.2	28.62	28	02.2	A5	CZ	1644	P -48 359
8	9.0E	8.7H	23 24.987	0.0018	12	-48 6 35.76	0.020	12	0.64	24.899	31	02.2	36.74	28	02.2	K0	CZ	1645	P -48 360
9	9.6E	9.6H	23 34.958	0.0030	12	-45 13 9.07	-0.021	12	0.74	34.810	45	00.4	8.01	45	00.4	G0	CZ	1646	P -45 340
10	10.2E	9.4H	23 36.944	-0.0013	12	-44 42 18.96	-0.022	12	0.67	37.009	31	99.5	17.87	28	99.5	K2	CZ	1647	P -44 358
11	8.8E	8.5H	23 39.400	-0.0003	12	-45 26 42.59	-0.028	12	0.74	39.413	45	00.4	41.18	45	00.4	K0	CZ	1648	P -45 341
12		8.0T	23 54.465	0.0034	12	-41 30 0.80	0.017	09	0.47	54.329	15	10.4	1.55	15	06.6	F0	GC	4095	C -41 998
13	9.3E	9.6H	23 58.306	0.0010	12	-40 57 38.81	0.014	12	0.67	58.255	28	98.9	39.52	26	98.9	F0	CZ	1650	P -41 333
14	9.1E	9.8H	24 4.338	-0.0023	12	-43 9 29.33	-0.018	12	0.73	4.451	45	00.9	28.43	45	00.9	A5	CZ	1651	P -43 363
15	9.9E	9.3H	24 16.065	-0.0015	12	-44 17 32.91	-0.127	12	0.74	16.139	45	99.9	26.57	45	99.9	G5	CZ	1652	P -44 359
16		6.4T	24 24.420	0.0007	06	-41 48 40.60	0.031	05	0.26	24.388	09	06.4	42.08	09	02.9	A0	GC	4106	C -42 1115
17	10.0E	9.5H	24 24.745	-0.0006	12	-41 4 43.25	-0.014	12	0.75	24.776	45	99.4	42.53	45	99.4	K0	CZ	1653	P -41 334
18	9.8E	8.6H	24 29.031	-0.0012	12	-43 59 26.02	0.003	12	0.74	29.090	45	99.9	26.19	45	99.9	K2	CZ	1655	P -44 360
19	8.4E	7.5H	24 36.688	0.0018	12	-43 0 39.81	0.043	12	0.65	36.598	28	99.8	41.95	26	99.8	K0	CZ	1656	P -43 364
20	10.7E	9.3Z	24 40.372	-0.0013	12	-42 18 29.95	0.006	12	0.66	40.439	28	99.2	30.28	26	99.2		CZ	1657	P -42 313
21		8.1T	24 44.102	-0.0001	17	-40 44 37.26	-0.000	12	0.72	44.106	22	04.6	37.26	21	01.9	K0	GC	4111	C -41 1006
22	9.4E	8.7H	24 49.777	-0.0028	12	-43 47 12.54	-0.020	12	0.66	49.916	28	99.7	11.56	26	99.7	G5	CZ	1660	P -44 361
23	10.2E	10.4H	24 55.612	0.0023	12	-47 1 44.32	-0.017	12	0.65	55.499	31	01.4	43.47	28	01.4	A2	CZ	1661	P -47 345
24	9.5E	9.2Z	25 24.892	0.0039	12	-49 53 3.23	0.044	12	0.61	24.713	26	03.7	5.25	24	03.7		CZ	1664	P -50 451
25	10.2E	9.2Z	25 33.556	0.0010	12	-49 50 36.86	-0.000	12	0.65	33.513	36	05.0	36.84	36	05.0		CZ	1668	P -50 453
26	9.6E	9.6H	25 34.037	-0.0037	12	-41 23 35.55	-0.051	12	0.75	34.224	45	99.4	32.99	45	99.4	G0	CZ	1663	P -41 336
27	8.6E	7.4H	25 38.361	0.0052	12	-49 2 4.74	-0.064	12	0.62	38.117	28	03.4	1.75	26	03.4	G5	CZ	1670	P -49 417
28	9.8E	9.3H	25 40.306	-0.0016	12	-47 8 24.15	0.031	12	0.65	40.362	31	01.5	25.63	28	01.5	K0	CZ	1669	P -47 346
29	9.9E	9.5H	25 44.132	0.0009	12	-41 22 6.73	0.006	12	0.75	44.087	45	99.4	7.05	45	99.4	G5	CZ	1666	P -41 337
30		7.2T	25 44.847	-0.0007	14	-40 3 12.21	-0.009	12	0.71	44.882	18	99.5	11.72	19	99.5	K0	GC	4132	C -40 929
31		7.6T	25 49.893	-0.0023	09	-40 0 21.85	-0.026	08	0.41	49.993	14	06.5	20.63	14	03.7	G5	GC	4136	C -40 930
32		6.8T	26 0.386	0.0032	09	-44 1 43.71	0.034	07	0.49	0.214	18	96.0	45.77	17	88.6	F5	GC	4144	C -44 1139
33	9.2E	10.0H	26 0.925	0.0005	12	-47 58 36.92	0.005	12	0.65	0.900	36	04.3	37.17	36	04.3	A0	CZ	1675	P -48 367
34	8.1E	8.2H	26 6.934	-0.0003	12	-41 40 46.90	-0.003	12	0.75	6.949	45	99.4	46.76	45	99.4	A5	CZ	1674	P -41 338
35	8.6E	7.7H	26 18.536	0.0001	12	-45 44 0.41	0.017	12	0.63	18.529	26	01.1	1.22	24	01.1	K0	CZ	1677	P -45 344
36	10.0E	9.6H	26 25.006	0.0163	12	-41 12 17.99	0.145	12	0.75	24.182	45	99.4	25.32	45	99.4	G5	CZ	1676	P -41 339
37	9.5E	9.3H	26 26.484	0.0094	12	-46 26 11.78	0.133	12	0.63	26.036	28	02.4	18.09	26	02.4	G5	CZ	1679	P -46 324
38	9.7E	9.0H	26 30.764	-0.0002	12	-43 49 31.76	0.017	12	0.73	30.773	45	02.0	32.59	45	02.0	G5	CZ	1678D	P*-44 366
39	10.2E	9.0Z	26 36.877	0.0006	12	-48 40 37.11	0.025	12	0.62	36.987	28	03.2	38.28	26	03.2		CZ	1682	P -48 369
40		9.4T	26 41.807	0.0038	22	-41 22 44.37	0.159	22	1.07	41.630	19	03.4	51.82	19	03.1	F8	GC	4153	C -41 1016
41	10.4E	9.6Z	26 45.507	-0.0019	12	-48 17 7.17	0.015	12	0.62	45.594	28	03.2	7.85	26	03.2		CZ	1684	P -48 370
42	10.1E	9.2H	26 49.555	-0.0003	12	-44 24 57.58	0.017	12	0.69	49.570	36	00.6	58.40	36	00.6	K0	CZ	1683	P -44 367
43	10.1E	9.0Z	26 54.858	-0.0012	12	-46 20 44.31	-0.012	12	0.66	54.913	36	03.6	43.73	36	03.6		CZ	1685	P -46 325
44	10.8E	9.6Z	27 25.132	-0.0021	12	-49 59 15.93	-0.008	12	0.63	25.232	31	03.3	15.54	28	03.3		CZ	1688	P -50 456
45	10.6E	9.6Z	27 32.884	-0.0020	12	-43 0 30.56	-0.015	12	0.65	32.984	28	99.9	29.79	26	99.9		CZ	1687	P -43 365
46		7.3T	27 41.352	-0.0003	15	-42 38 22.87	-0.028	12	0.73	41.365	15	99.2	21.36	17	96.5	A5	GC	4174	C*-42 1132
47		5.7T	28 10.377	-0.0074	11	-42 48 17.04	0.002	10	0.61	10.778	19	95.5	17.14	18	93.5	A3	GC	4188	C -43 1085
48	9.2E	9.1H	28 10.895	0.0046	12	-47 33 52.51	0.079	12	0.71	10.685	45	03.9	56.17	45	03.9	G0	CZ	1692	P -47 348
49	11.0E	9.4Z	28 17.495	-0.0025	12	-41 59 30.93	-0.018	12	0.65	17.621	28	00.0	30.05	26	00.0		CZ	1691	P -42 321
50		6.1T	28 26.596	-0.0012	05	-41 32 15.87	-0.175	04	0.24	26.648	12	05.6	6.67	10	97.3	F5	GC	4199	C -41 1029
51	9.8E	9.0Z	3 28 29.379	-0.0028	12	-41 46 55.01	0.002	12	0.73	29.517	45	00.9	55.12	45	00.9		CZ	1694	P -42 325
52	10.2E	9.0Z	28 42.472	0.0007	12	-49 11 42.58	-0.015	12	0.70	42.439	45	05.0	41.90	45	05.0		CZ	1698	P -49 423
53	9.0E	9.1H	28 45.678	-0.0001	12	-44 54 13.19	0.002	12	0.66	45.682	31	00.5	13.30	28	00.5	F0	CZ	1696	P -45 345
54	11.2E	9.8Z	28 50.544	-0.0018	12	-49 44 19.00	-0.012	12	0.63	50.630	31	03.3	18.42	28	03.3		CZ	1699	P -49 424
55		8.4T	28 53.097	-0.0043	17	-40 17 12.61	-0.121	13	0.76	53.302	18	02.3	6.67	18	00.9	G0	GC	4208	C -40 956
56	9.8E	9.4H	28 53.181	-0.0023	12	-42 41 31.71	-0.025	12	0.73	53.293	45	01.4	30.48	45	01.4	F8	CZ	1697	P -42 326
57		6.0T	29 0.677	0.0076	06	-47 32 42.32	0.023	04	0.22	0.384	07	11.4	43.27	07	07.9	A0	GC	4212	C -47 1071
58	10.8E	9.6Z	29 9.834	0.0072	12	-46 6 7.94	-0.008	12	0.64	9.488	31	02.2	7.53	28	02.2		CZ	1702	P -46 329
59	9.3E	9.0H	29 14.258	-0.0002	12	-40 41 8.06	-0.010	12	0.86	14.268	63	98.9	7.54	57	98.9	G5	CZ	1701	P -40 323
60	10.0E	9.3H	29 17.242	-0.0009	12	-44 47 35.86	-0.003	12	0.74	17.267	45	99.9	35.69	45	99.9	G5	CZ	1703	P -45 346
61		8.8T	29 27.215	0.0045	24	-46 46 59.45	-0.074	22	1.09	27.012	21	04.4	56.01	19	03.7	F5	GC	4220	C -47 1075
62	10.3E	8.7H	29 29.317	-0.0023	12	-48 18 24.48	-0.008	12	0.70	29.419	45	05.0	24.14	45	05.0	K5	CZ	1705	P -48 372
63	9.0E	8.2H	29 40.490	-0.0022	12	-44 0 9.28	0.004	12	0.67	40.600	31	99.6	9.50	28	99.6	K5	CZ	1706	P -44 370
64	10.1E	8.8Z	30 2.456	0.0009	12	-49 2 44.05	0.019	12	0.70	2.415	45	05.0	44.90	45	05.0		CZ	1711	P -49 426
65	9.6E	9.6H	30 3.851	-0.0026	12	-40 33 10.09	-0.035	12	0.86	3.984	63	98.9	8.30	57	98.9	K0	CZ	1707	P -40 325
66	9.0E	9.2H	30 9.815	0.0021	12	-40 46 11.94	0.012	12	0.86	9.709	63	98.9	12.54	57	98.9	F5	CZ	1708	P -41 349
67	10.1E	9.8H	30 12.633	0.0008	12	-41 41 50.31	-0.055	12	0.66	12.593	28	99.6	47.56	26	99.6	F8	CZ	1710	P -41 350
68	10.0E	10.0H	30 20.980	-0.0028	12	-40 9 40.35	-0.007	12	0.86	21.124	63	98.9	39.98	57	98.9	G0	CZ	1713	P -40 326
69	10.5E	9.6H	30 30.066	-0.0019	12	-43 5 12.41	0.004	12	0.66	30.163	28	99.7	12.60	26	99.7	G5	CZ	1715	P -43 369
70	8.8E	7.5H	30 33.569	-0.0016	12	-49 19 39.54	0.030	12	0.63	33.644	31	03.3	40.93	28	03.3	K0	CZ	1718	P -49 427
71	8.2E	8.1H	30 36.345	-0.0048	12	-44 34 38.02	0.019	12	0.67	36.588	31	99.5	38.96	28	99.5	F2	CZ	1716	P -44 372
72	10.3E	9.4Z	30 43.257	-0.0041	12	-49 59 8.57	-0.009	12	0.70	43.441	45	05.0	8.15	45	05.0		CZ	1722	P -50 460
73	10.2E	9.5Z	30 47.122	0.0004	12	-49 19 47.47	-0.008	12	0.70	47.104	45	05.0	47.10	45	05.0		CZ	1724	P -49 428
74	9.9E	9.1Z	30 50.467	-0.0011	12	-45 25 45.30	-0.027	12	0.66	50.520	31	00.6	43.94	28	00.6		CZ	1720	P -45 347
75	10.9E	9.4Z	30 54.492	0.0049	12	-40 28 37.64	0.044	12	0.67	54.241	28	98.4	39.90	26	98.4		CZ	1719	P -40 327
76	9.6E	9.6H	30 58.450	-0.0036	12	-41 6 55.90	-0.036	12	0.65	58.632	28	99.9	54.09	26	99.9	F5	CZ	1721	P -41 353
77	9.7E	9.4H	31 9.100	-0.0004	12	-42 30 38.99	-0.019	12	0.65	9.121	28	00.0	38.02	26	00.0	G0	CZ	1725	P -42 329
78	8.6E	8.8H	31 15.405	0.0049	12	-45 43 5.18	0.064	12	0.64	15.166	28	01.2	8.28	26	01.2	F5	CZ	1727	P -45 349
79	9.1E	8.6H	31 26.694	0.0023	12	-46 53 22.94	0.004	12	0.66	26.587	36	03.5	23.11	36	03.5	G0	CZ	1728	P -47 356
80	9.3E	8.5H	31 28.237	0.0030	12	-46 56 51.81	0.059	12	0.63	28.094	28	02.4	54.60	26	02.4	G0	CZ	1729	P -47 357
81	9.0E	8.1H	31 37.170	0.0009	12	-49 4 56.64	0.053	12	0.64	37.128	31	02.2	59.19	28	02.2	K0	CZ	1730	P -49 429
82	9.6E	8.5H	31 53.194	0.0001	12	-44 45 2.28	0.007	12	0.69	53.189	36	00.9	2.60	36	00.9	K2	CZ	1731	P -45 350
83	10.2E	10.0H	32 0.912	0.0078	12	-47 8 59.84	0.100	12	0.66	0.552	36	03.5	4.49	36	03.5	G5	CZ	1734	P -47 358
84	10.2E	9.3H	32 6.714	-0.0000	12	-42 19 5.82	0.019	12	0.65	6.715	26	99.9	6.79	24	99.9	K2	CZ	1732	P -42 331
85	10.6E	9.6H	32 8.316	0.0021	12	-43 22 8.89	0.010	12	0.66	8.211	28	99.7	9.41	26	99.7	G0	CZ	1735	P -43 371
86		7.5T	32 17.773	0.0013	17	-41 30 19.81	0.042	13	0.78	17.709	18	01.1	22.00	18	98.3	F0	GC	4275	C -41 1054
87	10.2E	9.2H	32 50.703	-0.0006	12	-48 20 56.51	0.015	12	0.63	50.728	31	03.0	57.23	28	03.0	G5	CZ	1737	P -48 375
88	8.3E	8.1H	33 8.616	-0.0007	12	-44 48 32.30	0.029	12	0.65	8.651	31	01.1	33.70	28	01.1	F0	CZ	1739	P -45 351
89	9.7E	10.2H	33 10.184	-0.0018	12	-40 11 45.65	-0.130	12	0.86	10.274	63	98.9	39.00	57	98.9	G0	CZ	1738	P -40 329
90	10.2E	10.2H	33 13.222	-0.0004	12	-47 41 45.67	-0.033	12	0.64	13.243	31	02.2	44.09	28	02.2	F8	CZ	1741	P -47 361
91	8.5E	8.6H	33 23.973	-0.0010	12	-40 6 40.55	0.005	12	0.68	24.023	28	97.9	40.80	26	97.9	A3	CZ	1740	P -40 330
92	9.8E	9.1H	33 25.936	0.0395	12	-48 35 18.99	0.335	12	0.70	24.159	45	05.0	34.09	45	05.0	K5	CZ	1743	P -48 376
93	11.3E	9.8Z	33 39.691	-0.0007	12	-43 39 2.18	0.011	12	0.66	39.726	28	99.7	2.76	26	99.7		CZ	1744X	
94	10.1E	9.4H	33 39.717	-0.0035	12	-48 41 35.22	-0.039	12	0.63	39.882	31	03.2	33.42	28	03.2	G0	CZ	1745	P -48 377
95		8.0T	33 44.389	0.0045	10	-49 34 59.42	0.020	09	0.43	44.197	14	07.7	0.28	15	07.1	G5	GC	4299	C -49 1011
96	9.9E	9.4H	33 47.542	-0.0021	12	-48 16 47.71	0.005	12	0.70	47.638	45	05.0	47.93	45	05.0	G5	CZ	1747	P -48 378
97	10.3E	9.3H	34 4.472	-0.0020	12	-48 9 23.64	0.026	12	0.70	4.564	45	05.0	24.81	45	05.0	G5	CZ	1750	P -48 379
98		7.2T	34 7.671	0.0015	07	-43 52 52.53	0.021	06	0.34	7.604	15	04.6	53.62	14	99.2	A0	GC	4309	C -44 1198
99	10.9E	9.6Z	34 10.230	0.0041	12	-45 9 12.92	0.021	12	0.64	10.035	31	02.2	13.92	28	02.2		CZ	1749	P -45 353
00	10.5E	9.2H	34 39.221	0.0011	12	-45 36 43.32	0.051	12	0.64	39.167	31	02.2	45.76	28	02.2	K0	CZ	1751	P -45 354

216400

EPOCH 1950												ORIGINAL EPOCH							SP.	SOURCE		-40° 3H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}			α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″			s	″.01		″	″.01						
1	9.1E	7.9H	3 34 39.279	0.0033	12	-47 21 55.52	0.052	12	0.64	39.119	31	02.2	58.00	28	02.2	K0	CZ	1752	P -47 365			
2	10.7E	9.5Z	35 0.073	-0.0000	12	-41 56 22.58	0.006	12	0.65	0.075	28	99.9	22.90	26	99.9		CZ	1753	P -42 336			
3	10.4E	9.1Z	35 14.955	0.0145	12	-41 41 32.73	0.071	12	0.66	14.226	28	99.6	36.32	26	99.6		CZ	1755	P -41 359			
4	9.0E	8.8H	35 16.985	-0.0006	12	-41 3 38.66	-0.024	12	0.66	17.017	28	99.7	37.45	26	99.7	K0	CZ	1757	P -41 360			
5		4.6H	35 17.911	-0.0013	02	-40 26 15.91	-0.026	02	0.10	17.957	05	14.9	14.95	05	13.6	K0	F4	150	C -40 1006			
6	8.8E	8.4H	35 33.718	0.0000	12	-44 38 6.89	0.022	12	0.65	33.718	31	01.2	7.98	29	01.2	F2	CZ	1758	P -44 379			
7	9.7E	10.2H	35 40.134	0.0036	12	-46 27 57.17	0.048	12	0.71	39.966	45	03.9	59.38	45	03.9	F5	CZ	1761	P -46 335			
8	10.2E	9.6Z	35 41.995	-0.0012	12	-49 35 34.97	0.021	12	0.71	42.050	45	03.5	35.95	45	03.5		CZ	1762	P -49 433			
9	8.7E	8.2H	35 43.910	0.0049	12	-42 37 57.97	0.012	12	0.65	43.668	28	00.1	58.55	26	00.1	F2	CZ	1760	P -42 339			
10	9.9E	8.7H	35 48.717	-0.0027	12	-47 8 29.59	-0.043	12	0.63	48.848	28	02.4	27.55	26	02.4	K0	CZ	1763	P -47 367			
11	10.1E	9.0H	35 52.219	0.0008	12	-48 31 8.31	-0.014	12	0.62	52.183	28	03.1	7.67	26	03.1	G0	CZ	1764	P -48 383			
12	10.9E	9.7Z	36 1.408	0.0016	12	-45 44 17.88	0.032	12	0.62	1.331	28	02.8	19.39	26	02.8		CZ	1765	P -45 355			
13	10.2E	9.5Z	36 10.687	-0.0002	12	-49 47 10.69	0.014	12	0.64	10.696	31	02.3	11.36	28	02.3		CZ	1767	P -50 448			
14	9.0E	7.3H	36 14.374	-0.0020	12	-49 10 4.94	0.012	12	0.64	14.471	31	02.2	5.53	28	02.2	K2	CZ	1768	P -49 434			
15	9.9E	9.0Z	36 18.084	-0.0039	12	-49 20 40.92	-0.014	12	0.71	18.277	45	03.5	40.27	45	03.5		CZ	1771	P -49 435			
16	10.9E	9.8Z	36 19.965	0.0007	12	-47 50 45.49	0.042	12	0.62	19.934	28	03.2	47.46	26	03.2		CZ	1770	P -48 386			
17	10.1E	9.0H	36 28.082	-0.0056	12	-46 14 14.93	0.006	12	0.62	28.344	28	02.9	15.21	26	02.9	G0	CZ	1772	P -46 336			
18	9.9E	9.0H	36 31.090	-0.0003	12	-41 51 11.84	0.002	12	0.69	31.107	36	00.9	11.95	36	00.9	F8	CZ	1769	P -42 344			
19	9.0E	9.4H	36 33.067	-0.0006	12	-48 58 40.42	-0.007	12	0.71	33.040	45	03.5	40.11	45	03.5	A3	CZ	1773	P -49 436			
20		7.6T	36 46.205	-0.0006	14	-49 31 49.65	0.022	12	0.70	46.233	18	01.2	50.80	21	98.1	A5	KC	4352	C -49 1034			
21		8.0T	36 49.296	0.0009	09	-46 24 17.13	-0.079	08	0.41	49.257	15	07.4	13.46	14	03.5	F3	GC	4354	C -46 1111			
22	9.3E	8.6H	36 50.741	0.0020	12	-42 50 27.43	0.004	12	0.69	50.645	36	01.3	27.61	36	01.3	K2	CZ	1774	P -43 374			
23	10.4E	9.6H	36 52.620	-0.0014	12	-43 25 38.41	0.003	12	0.64	52.689	28	00.4	38.58	24	00.4	F8	CZ	1777	P -43 375			
24	9.8E	10.4H	37 4.035	0.0033	12	-41 20 23.73	0.046	12	0.65	3.871	28	99.7	26.06	24	99.7	G0	CZ	1781	P -41 364			
25	8.9E	8.3H	37 14.474	-0.0014	12	-40 47 35.11	0.009	12	0.86	14.548	63	98.9	35.56	57	98.9	K2	CZ	1782	P -41 365			
26	10.2E	9.2H	37 21.086	-0.0001	12	-48 50 44.22	0.043	12	0.71	21.082	45	03.5	46.24	45	03.5	K0	CZ	1783	P -49 438			
27	10.0E	9.4Z	37 24.599	-0.0017	12	-49 1 59.90	0.014	12	0.66	24.678	36	04.0	+ 0.56	36	04.0		CZ	1785	P -49 439			
28		8.4T	37 33.787	-0.0041	22	-42 55 20.72	-0.114	20	1.04	33.983	18	01.8	15.13	17	01.1	F5	GC	4374	C -43 1126			
29		8.0T	37 56.541	-0.0028	16	-43 40 18.22	0.056	13	0.76	56.681	18	00.5	21.19	17	97.3	K0	GC	4389	C -43 1129			
30		8.5T	37 57.760	0.0026	17	-40 30 43.17	-0.043	16	0.81	57.638	22	03.0	41.12	22	02.6		GC	4390K	C -40 1027			
31		7.3T	37 58.108	0.0009	09	-40 30 47.42	0.019	07	0.50	58.057	18	93.7	48.55	17	90.1	A2	GC	4391K	C+-40 1027			
32	8.8E	8.9H	38 10.832	0.0007	12	-41 41 31.40	0.018	12	0.67	10.799	28	98.7	32.34	26	98.7	A5	CZ	1791	P -41 369			
33	10.8E	9.7Z	38 22.306	-0.0021	12	-47 21 39.35	0.013	12	0.65	22.407	31	01.4	39.98	28	01.4		CZ	1792	P -47 371			
34		7.2T	38 37.254	-0.0013	17	-43 24 3.00	-0.015	13	0.77	37.314	18	02.2	2.22	21	99.1	M0	GC	4410	C -43 1135			
35	10.9E	9.9Z	38 43.569	-0.0016	12	-42 30 36.78	-0.023	12	0.66	43.652	28	99.1	35.59	26	99.1		CZ	1794	P -42 349			
36	9.2E	8.5H	39 6.536	0.0003	12	-43 23 17.03	-0.005	12	0.73	6.521	45	00.9	16.81	45	00.9	G5	CZ	1796	P -43 381			
37	9.1E	10.9H	39 16.687	-0.0014	12	-40 55 7.72	-0.006	12	0.75	16.760	45	99.4	7.41	45	99.4	A3	CZ	1797	P -41 372			
38	9.6E	8.6H	39 17.510	0.0002	12	-40 44 43.84	0.016	12	0.86	17.497	63	98.9	44.65	57	98.9	K5	CZ	1798	P -40 345			
39		7.3T	39 23.105	-0.0014	10	-40 55 39.85	-0.003	07	0.50	23.181	17	95.3	39.66	15	88.6	A3	GC	4429	C -41 1103			
40	10.4E	9.2H	39 31.273	0.0032	12	-44 44 57.53	0.019	12	0.65	31.117	31	01.1	58.44	28	01.1	K2	CZ	1800	P -44 383			
41		7.7T	39 38.715	-0.0013	09	-41 54 42.55	-0.032	08	0.42	38.772	12	05.5	41.09	14	03.8	A2	GC	4432	C -42 1208			
42	9.4E	9.0H	39 44.018	-0.0010	12	-49 1 57.79	0.001	12	0.65	44.067	31	02.0	57.65	28	02.0	F	CZ	1802	P -49 442			
43	8.9E	8.1H	40 9.049	0.0014	12	-43 55 35.86	0.020	12	0.65	8.980	31	01.2	36.86	28	01.2	K0	CZ	1803	P -44 385			
44	8.7E	8.5H	40 11.510	0.0006	12	-43 25 55.11	0.001	12	0.65	11.479	28	99.7	55.18	26	99.7	A3	CZ	1804	P -43 383			
45		7.1T	40 12.550	-0.0027	16	-47 56 4.30	0.059	13	0.75	12.683	19	01.4	7.35	18	98.3	A2	GC	4436	C -48 1051			
46		7.8T	40 17.443	-0.0011	17	-48 23 48.91	-0.083	15	0.80	17.497	19	02.4	44.84	19	00.9	F0	GC	4441K	C+-48 1052			
47	9.9E	9.5H	40 21.907	-0.0003	12	-40 12 29.24	0.022	12	0.67	21.920	28	98.1	30.37	26	98.1	K0	CZ	1805	P -40 349			
48	10.4E	10.2H	40 33.359	-0.0009	12	-40 37 46.17	0.002	12	0.86	33.408	63	98.9	46.27	57	98.9	G0	CZ	1808	P -40 350			
49		6.5T	40 33.451	-0.0074	10	-46 6 59.20	0.013	07	0.51	33.847	15	96.4	59.99	17	89.5	F5	GC	4445	C -46 1143			
50		8.1T	40 39.143	0.0017	16	-49 35 7.09	0.004	14	0.78	39.059	17	01.6	7.31	19	97.9	F2	GC	4446	C -49 1057			
51	10.6E	9.4H	3 40 40.837	0.0051	12	-44 43 35.96	0.007	12	0.65	40.588	31	01.2	36.28	28	01.2	K0	CZ	1811	P -44 386			
52	8.3E	7.5H	40 43.417	0.0010	12	-49 18 37.53	0.040	12	0.71	43.372	45	03.5	39.41	45	03.5	K0	CZ	1813	P -49 446			
53	10.6E	9.2H	41 23.787	-0.0011	12	-42 22 20.66	-0.008	12	0.65	23.844	28	99.2	20.23	24	99.2	K0	CZ	1815	P -42 354			
54	10.5E	9.1Z	41 43.940	0.0022	12	-45 12 7.49	0.026	12	0.62	43.838	28	03.2	8.71	26	03.2		CZ	1819	P -45 358			
55	11.0E	9.8Z	41 53.671	0.0009	12	-45 24 58.23	-0.009	12	0.62	53.628	28	03.2	57.81	26	03.2		CZ	1821	P -45 360			
56	10.1E	8.4H	41 54.347	0.0000	12	-49 43 28.49	0.002	12	0.71	54.346	45	03.5	28.59	45	03.5	K5	CZ	1823	P -49 447			
57	10.2E	10.0H	42 2.733	-0.0002	12	-41 31 37.88	-0.026	12	0.66	2.746	28	98.8	36.56	24	98.8	G0	CZ	1822	P -41 381			
58	9.8E	9.4H	42 3.864	0.0006	12	-47 19 35.02	0.007	12	0.64	3.833	28	01.8	35.36	26	01.8	F8	CZ	1824	P -47 375			
59		6.5T	42 20.018	0.0001	10	-48 48 56.30	-0.083	08	0.52	20.013	15	96.5	51.65	15	94.1	K0	GC	4490K	C+-41 1119			
60	9.1E	8.9H	42 27.896	-0.0011	12	-41 26 5.61	-0.090	12	0.75	27.953	45	99.4	1.07	45	99.4	F0	CZ	1826	P -41 383			
61	9.5E	7.9H	42 31.598	-0.0017	12	-43 23 33.61	0.005	12	0.66	31.683	28	99.7	33.88	26	99.7	MA	CZ	1828	P -43 386			
62	9.7E	9.8H	42 33.190	0.0006	12	-41 23 52.98	-0.012	12	0.75	33.162	45	99.4	52.38	45	99.4	G0	CZ	1827	P -41 384			
63		7.3T	42 34.501	-0.0005	15	-42 3 14.21	-0.017	14	0.76	34.525	17	00.4	13.35	18	98.5	K5	GC	4496	C -42 1226			
64	9.7E	8.7H	42 45.016	0.0005	12	-43 51 27.12	0.001	12	0.71	44.993	45	03.9	27.19	45	03.9	K0	CZ	1830	P -44 387			
65	9.9E	9.2H	42 49.337	-0.0019	12	-44 55 44.92	0.026	12	0.63	49.424	31	03.2	46.13	28	03.2	G0	CZ	1831	P -45 361			
66	11.1E	9.7Z	43 5.811	-0.0009	12	-49 1 22.09	0.005	12	0.64	5.855	31	02.3	22.34	28	02.3		CZ	1836	P -49 449			
67	8.7E	7.9H	43 10.480	0.0056	12	-46 4 57.83	0.061	12	0.65	10.209	31	02.0	+ 0.76	28	02.0	F8	CZ	1835	P -46 348			
68	9.1E	9.0H	43 11.294	-0.0001	12	-41 54 42.94	-0.007	12	0.74	11.301	45	99.9	42.60	45	99.9	G5	CZ	1834	P -42 357			
69		6.5T	43 18.541	-0.0023	12	-48 12 57.05	-0.077	10	0.60	18.426	19	99.1	52.81	18	95.0	K0	GC	4511	C+-48 1069			
70		5.7T	43 42.517	-0.0017	07	-47 30 52.89	-0.016	05	0.29	42.565	14	10.8	52.13	12	02.7	K0	GC	4523	C -47 1147			
71	9.3E	8.7H	43 50.355	-0.0013	12	-42 12 13.91	0.031	12	0.74	50.422	45	99.9	15.48	45	99.9	K5	CZ	1838	P -42 358			
72	9.3E	10.1H	43 56.612	-0.0005	12	-40 19 50.40	0.011	12	0.68	56.636	28	97.9	50.96	26	97.9	F5	CZ	1840D	P+-40 357			
73	9.9E	9.4H	44 7.326	0.0070	12	-47 39 43.28	0.124	12	0.72	6.996	45	02.9	49.12	45	02.9	G0	CZ	1844	P -47 378			
74	10.5E	9.5H	44 10.750	0.0001	12	-44 46 22.75	0.010	12	0.64	10.746	31	02.2	23.21	28	02.2	G0	CZ	1843	P -45 362			
75	10.9E	9.6Z	44 15.649	-0.0028	12	-45 27 48.72	0.029	12	0.63	15.778	31	03.3	50.07	28	03.3		CZ	1845	P -45 363			
76	10.1E	9.8H	44 20.866	-0.0003	12	-43 41 9.39	-0.003	12	0.73	20.880	45	00.9	9.27	45	00.9	G0	CZ	1847	P -43 387			
77	9.7E	9.5H	44 24.282	0.0044	12	-41 21 40.48	0.009	12	0.67	24.057	28	98.6	40.96	26	98.6	G0	CZ	1846	P -41 387			
78	10.0E	9.3Z	44 38.283	0.0009	12	-49 34 52.00	-0.052	12	0.64	38.240	31	03.0	49.56	28	03.0		CZ	1851	P -49 451			
79	9.9E	9.8H	44 38.907	0.0007	12	-46 57 44.60	0.018	12	0.65	38.876	31	01.3	45.48	28	01.3	F8	CZ	1850	P -47 379			
80	10.8E	9.8H	44 43.549	-0.0021	12	-43 28 42.97	-0.019	12	0.66	43.654	28	99.7	42.04	26	99.7	K0	CZ	1849	P -43 388			
81	9.9E	10.9H	44 43.747	-0.0015	12	-40 48 48.63	0.004	12	0.86	43.826	63	98.9	48.82	57	98.9	A0	CZ	1848	P -41 388			
82	8.6E	8.4H	44 46.064	0.0037	12	-48 2 54.90	-0.002	12	0.64	45.889	31	02.5	54.80	28	02.5	F5	CZ	1854	P -48 395			
83	9.4E	9.6H	44 56.934	-0.0042	12	-40 1 21.57	-0.061	12	0.67	57.150	28	98.1	18.40	26	98.1	G0	CZ	1853	P -40 362			
84	10.6E	10.0H	45 9.068	0.0003	12	-42 24 18.93	0.035	12	0.66	9.072	28	99.1	20.69	26	99.1	K0	CZ	1855	P -42 361			
85	10.8E	9.7Z	45 13.180	-0.0019	12	-46 21 38.54	0.010	12	0.64	13.269	31	02.2	39.02	28	02.2		CZ	1858	P -46 352			
86	9.6E	9.2H	45 16.046	0.0019	12	-45 59 22.03	0.017	12	0.64	15.953	31	02.2	22.85	28	02.2	F8	CZ	1859	P -46 353			
87	9.9E	7.8H	45 16.956	0.0003	12	-43 57 38.23	0.013	12	0.64	16.941	31	02.2	38.87	28	02.2	K5	CZ	1856	P -44 393			
88	9.9E	9.8H	45 22.842	0.0011	12	-40 46 44.08	0.010	12	0.86	22.783	63	98.9	44.58	57	98.9	F5	CZ	1857	P -41 389			
89	8.9E	8.4H	45 43.320	0.0007	12	-42 53 39.34	0.036	12	0.73	43.288	45	00.9	41.09	45	00.9	K2	CZ	1861	P -43 389			
90	9.8E	9.8H	46 9.444	-0.0004	12	-47 10 1.22	-0.003	12	0.67	9.464	36	02.9	1.08	36	02.9	G0	CZ	1868D	P+-47 382			
91	10.3E	9.5H	46 12.212	0.0015	12	-40 41 34.01	0.062	12	0.86	12.133	63	98.9	37.17	57	98.9	F8	CZ	1864	P -40 365			
92	10.3E	8.9H	46 15.946	0.0003	12	-40 5 0.72	0.011	12	0.86	15.928	63	98.9	1.28	57	98.9	K0	CZ	1865	P -40 366			
93	9.9E	9.2H	46 22.168	0.0050	12	-44 21 13.66	0.079	12	0.63	21.928	28	02.0	17.43	26	02.0	G0	CZ	1870	P -44 395			
94	9.4E	10.2H	46 26.742	-0.0029	12	-41 19 48.71	0.008	12	0.70	26.869	36	99.9	49.10	36	99.9	F8	CZ	1869	P -41 393			
95	8.7E	8.2H	46 31.296	-0.0000	12	-41 27 47.61	0.001	12	0.65	31.298	28	99.2	47.68	24	99.2	F2	CZ	1871	P -41 395			
96	9.0E	8.4H	46 45.750	-0.0001	12	-49 14 3.70	-0.001	12	0.63	45.756	31	03.1	3.67	28	03.1	A5	CZ	1873	P -49 457			
97	9.9E	9.3H	46 53.679	0.0052	12	-47 46 32.72	0.023	12	0.64	53.430	28	01.8	33.83	26	01.8	G0	CZ	1876	P -48 399			
98	9.2E	8.8H	46 56.680	0.0051	12	-45 19 30.99	0.000	12	0.63	56.460	36	06.6	30.99	36	06.6	G5	CZ	1874	P -45 368			
99		7.1T	47 0.428	0.0067	10	-40 33 6.60	0.053	09	0.43	0.137	14	06.6	8.93	14	05.9	F8	GC	4612	C -40 1096			
00	9.9E	9.1H	47 5.593	0.0022	12	-40 47 41.32	0.006	12	0.86	5.478	63	98.9	41.62	57	98.9	G0	CZ	1875	P -41 396			

216500

NUMBER	MAGNITUDES m_{pg}	m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 3H DM NUMBER
1	9.8E	9.8H	3 47 22.279	0.0007	12	-41 3 2.27	0.041	12	0.66	22.241	28	99.0	4.35	26	99.0	F5	CZ	1879	P -41 397
2	9.9E	9.9H	47 41.374	0.0009	12	-48 26 29.49	-0.021	12	0.64	41.329	31	02.3	28.51	28	02.3	G5	CZ	1883	P -48 401
3	9.9E	9.9H	47 41.483	0.0044	12	-44 55 54.20	0.077	12	0.62	41.281	31	04.3	57.71	28	04.3	F5	CZ	1881	P -45 370
4	9.1E	9.1H	47 45.813	0.0020	12	-44 29 40.22	0.003	12	0.71	45.721	45	03.9	40.34	45	03.9	G0	CZ	1882	P -44 396
5	9.3E	8.8H	47 47.353	0.0008	12	-46 53 41.30	-0.014	12	0.65	47.316	31	01.5	40.62	28	01.5	G0	CZ	1884	P -47 384
6	9.8E	9.8H	47 58.503	-0.0041	12	-41 45 54.34	0.013	12	0.67	58.714	28	98.9	55.02	26	98.9	F8	CZ	1885	P -41 398
7	10.0E	9.9H	47 59.586	0.0036	12	-43 54 48.32	0.024	12	0.71	59.420	45	03.9	49.44	45	03.9	F8	CZ	1888	P -44 397
8	10.1E	9.3H	48 2.252	0.0033	12	-43 13 59.72	-0.001	12	0.73	2.091	45	00.9	59.66	45	00.9	K0	CZ	1889	P -43 391
9		7.4T	48 7.619	-0.0026	07	-42 52 42.76	0.002	07	0.35	7.736	15	03.5	42.84	14	01.4	A2	GC	4637	C -43 1196
10	9.8E	9.4H	48 17.327	0.0010	12	-43 2 19.06	0.072	12	0.73	17.280	45	00.9	22.57	45	00.9	G5	CZ	1892	P -43 393
11	10.0E	9.0Z	48 21.436	0.0074	12	-45 26 16.21	0.020	12	0.68	21.120	45	07.5	17.06	45	07.5		CZ	1893	P -45 371
12	10.2E	8.6H	48 25.560	-0.0013	12	-43 41 3.62	-0.002	12	0.66	25.625	28	99.6	3.35	28	99.6	R3	CZ	1894	P -43 394
13		8.8T	48 26.073	0.0008	16	-45 32 8.82	0.012	12	0.73	26.034	19	01.0	9.26	18	97.0	G5	GC	4642	C -45 1286
14	9.3E	9.3H	48 36.880	-0.0011	12	-45 19 35.78	0.012	12	0.68	36.328	45	07.5	36.29	45	07.5	F0	CZ	1897	C -45 373
15		8.8T	48 52.854	-0.0207	22	-42 43 26.26	0.637	20	1.01	53.821	19	03.2	56.44	19	02.6	K0	GC	4652	C -42 1289
16	10.4E	9.5Z	49 15.860	-0.0004	12	-46 47 32.55	0.023	12	0.63	15.881	31	03.5	33.63	28	03.5		CZ	1900	P -47 386
17		8.4T	49 19.963	-0.0012	18	-44 13 14.86	-0.014	13	0.80	20.040	22	03.4	14.17	21	99.1	A0	GC	4661	C -44 1301
18	10.1E	9.8H	49 20.372	0.0012	12	-44 46 19.39	0.034	12	0.65	20.315	31	02.0	21.04	28	02.0	G5	CZ	1901	P -45 374
19	10.6E	9.3Z	49 21.585	-0.0029	12	-49 44 19.93	-0.015	12	0.61	21.719	28	03.6	19.24	28	03.6		CZ	1905	P -49 459
20		8.0T	49 24.528	0.0030	14	-44 30 53.46	0.012	12	0.71	24.584	18	00.4	54.07	19	96.8	F0	GC	4664	C -44 1303
21	10.5E	9.7Z	49 29.559	0.0001	12	-48 53 21.26	-0.033	12	0.61	29.555	28	03.7	19.75	28	03.7		CZ	1906	P -49 460
22	8.4E	7.8H	49 30.000	-0.0011	12	-48 40 58.41	0.018	12	0.61	30.053	26	03.2	39.27	24	03.2	F5	CZ	1907	P -48 405
23	9.1E	7.8H	49 40.286	-0.0016	12	-40 14 4.63	-0.001	12	0.68	40.367	28	97.9	4.56	28	97.9	M8	CZ	1904	P -40 373
24	10.2E	9.4H	49 51.675	-0.0023	12	-42 21 7.55	-0.018	12	0.74	51.990	45	00.4	6.64	45	00.4	G0	CZ	1908	P -42 368
25	10.0E	9.1H	50 1.506	0.0017	12	-48 15 28.45	0.011	12	0.71	1.430	45	03.9	28.95	45	03.9	G5	CZ	1910	P -48 408
26	10.3E	9.5Z	50 2.332	-0.0014	12	-47 20 26.36	-0.003	12	0.72	2.396	45	02.9	26.22	45	02.9		CZ	1909	P -47 387
27		8.7T	50 9.181	-0.0001	16	-47 27 57.15	0.040	13	0.75	9.184	17	00.9	59.23	18	98.2	A3	GC	4673	C -47 1178
28	9.7E	9.8H	50 11.657	-0.0001	12	-46 0 11.87	0.039	12	0.63	11.660	31	03.6	13.69	28	03.6	G0	CZ	1911	P -46 363
29		7.7T	50 16.404	-0.0002	10	-46 18 40.95	0.019	08	0.41	16.411	15	09.6	41.79	15	06.1	F2	GC	4676	C -46 1206
30	10.1E	10.4H	50 38.399	-0.0033	12	-48 33 56.83	-0.017	12	0.71	38.552	45	03.9	56.07	45	03.9	G0	CZ	1914	P -48 410
31	9.9E	8.4H	50 48.260	-0.0003	12	-46 43 45.41	0.004	12	0.62	48.296	28	03.4	45.60	26	03.4	K5	CZ	1916	P -46 365
32	8.9E	8.4H	50 49.359	-0.0005	12	-44 18 51.66	-0.002	12	0.65	49.383	31	02.1	51.59	28	02.1	A3	CZ	1915	P -44 404
33	9.6E	9.0H	51 2.072	-0.0013	12	-45 43 4.00	0.006	12	0.63	2.127	36	07.0	4.26	36	07.0	K0	CZ	1918	P -45 380
34		7.7T	51 2.882	-0.0010	17	-45 5 39.18	0.003	13	0.77	2.933	17	01.2	39.34	18	98.2	K0	GC	4689	C -45 1306
35	8.7E	8.2H	51 10.868	-0.0009	12	-42 7 17.73	0.045	12	0.66	10.916	28	99.3	20.02	26	99.3	F0	CZ	1919	P -42 372
36	10.6E	9.8Z	51 23.928	0.0014	12	-48 1 19.44	0.008	12	0.64	23.863	31	02.5	19.82	28	02.5		CZ	1923	P -48 412
37	10.6E	9.9Z	51 28.765	-0.0001	12	-45 25 18.83	0.028	12	0.60	28.768	28	04.9	20.10	26	04.9		CZ	1922	P -45 381
38	10.4E	9.5Z	51 37.541	0.0019	12	-42 21 11.77	0.045	12	0.65	37.446	26	99.5	14.03	24	99.5		CZ	1924	P -42 373
39		7.2T	51 43.066	0.0001	12	-41 22 13.96	0.073	09	0.58	43.061	15	98.9	18.08	17	93.4	F8	GC	4700	C -41 1185
40		5.8H	52 0.268	0.0027	04	-47 2 23.52	-0.033	04	0.14	0.189	08	20.3	22.52	07	19.5	K0	F4	1106	C -47 1187
41		9.0T	52 0.644	0.0027	13	-47 1 7.38	-0.036	12	0.69	0.507	22	00.1	5.46	19	96.6		GC	4712	C -47 1189
42		9.6T	52 2.534	0.0013	24	-46 58 32.83	-0.011	20	0.99	2.476	24	06.8	32.34	24	05.1		GC	4714	C -47 1190
43	8.9E	7.7H	52 7.598	0.0005	12	-43 18 33.65	0.030	12	0.65	7.574	26	99.7	35.14	24	99.7	K0	CZ	1929	P -43 400
44	9.9E	9.3H	52 25.196	0.0024	12	-42 1 8.81	0.041	12	0.66	25.076	28	99.4	10.90	26	99.4	G0	CZ	1931	P -42 374
45	10.3E	8.7H	52 31.297	0.0005	12	-46 25 10.28	0.026	12	0.69	31.274	45	06.0	11.43	45	06.0	K2	CZ	1933	P -46 372
46		5.6T	52 37.939	-0.0024	07	-40 30 11.23	0.007	06	0.30	38.043	12	06.5	11.56	12	02.1	+++	GC	4724K	C*-40 1128
47	9.9E	9.4H	52 47.393	-0.0012	12	-49 31 37.68	-0.006	12	0.64	47.449	31	03.0	37.41	28	03.0	F5	CZ	1934	P -49 470
48		6.9T	53 3.812	-0.0018	11	-46 33 44.81	-0.005	07	0.55	3.904	18	97.4	44.51	17	89.1	A0	GC	4731	C -46 1226
49	10.6E	9.7Z	53 15.512	-0.0003	12	-45 55 21.98	0.014	12	0.63	15.524	31	03.6	22.63	28	03.6		CZ	1936	P -46 374
50	9.9E	9.2H	53 29.696	-0.0034	12	-49 13 36.68	-0.015	12	0.63	29.859	31	03.3	36.00	28	03.3	G0	CZ	1938	P -49 472
51	9.7E	9.4Z	3 53 48.167	0.0014	12	-40 43 6.25	0.016	12	0.86	48.093	63	98.9	7.06	57	98.9		CZ	1939	P -40 382
52	11.2E	9.5Z	53 54.163	0.0011	12	-44 6 25.16	-0.006	12	0.64	54.110	31	02.3	24.90	28	02.3		CZ	1941	P -44 406
53	9.0E	8.7H	54 6.353	0.0035	12	-41 13 32.12	0.051	12	0.66	6.177	28	99.0	34.71	26	99.0	F8	CZ	1942	P -41 408
54	10.0E	9.5Z	54 7.217	-0.0015	12	-47 39 15.24	-0.013	12	0.65	7.291	31	01.6	14.61	28	01.6		CZ	1943	P -47 393
55	9.8E	9.8H	54 11.887	-0.0014	12	-49 16 59.99	0.000	12	0.70	11.952	45	05.0	* 0.01	45	05.0	F8	CZ	1945	P -49 473
56	10.1E	9.7Z	54 23.814	-0.0010	12	-48 9 3.34	0.007	12	0.71	23.862	45	03.9	3.66	45	03.9		CZ	1946	P -48 417
57	8.4E	8.3H	54 24.411	0.0039	12	-41 37 0.63	0.012	12	0.66	24.215	28	99.1	1.26	26	99.1	F8	CZ	1944	P -41 409
58		7.6T	54 35.256	-0.0125	16	-47 54 57.79	-0.121	11	0.70	35.859	19	01.9	51.44	19	97.5	F8	GC	4761K	C*-48 1131
59		7.6T	54 35.464	0.0011	22	-43 15 33.98	-0.016	20	1.01	35.411	19	03.2	33.20	18	02.3	K0	GC	4762	C -43 1235
60	8.9E	8.1H	54 38.613	-0.0004	12	-43 45 44.27	0.021	12	0.65	38.633	26	99.7	45.35	22	99.7	F8	CZ	1948	P -43 405
61	9.2E	8.7H	54 42.500	0.0034	12	-47 25 48.43	0.038	12	0.65	42.333	31	01.5	50.27	28	01.5	F5	CZ	1954	P -47 395
62	10.6E	9.2Z	54 45.556	-0.0045	12	-45 39 33.99	-0.048	12	0.62	45.759	31	04.6	31.81	28	04.6		CZ	1953	P -45 387
63	9.9E	9.3H	54 46.639	0.0016	12	-42 46 10.33	0.009	12	0.66	46.560	28	99.4	10.77	26	99.4	G0	CZ	1951D	P*-42 378
64		8.0H	54 50.795	-0.0018	15	-40 3 31.99	-0.003	13	0.80	50.890	21	97.6	31.81	22	94.0	A3	GC	4768K	C*-40 1148
65	9.6E	9.2H	54 52.764	0.0044	12	-41 29 19.54	0.093	12	0.74	52.546	45	99.9	24.21	45	99.9	K2	CZ	1952	P -41 412
66	11.3E	9.5Z	55 8.205	0.0007	12	-44 45 32.58	0.007	12	0.64	8.171	31	02.2	32.94	28	02.2		CZ	1956	P -44 410
67	11.0E	9.8Z	55 15.249	-0.0017	12	-45 15 22.65	0.028	12	0.62	15.327	31	04.6	23.93	28	04.6		CZ	1957	P -45 389
68		6.9T	55 16.255	0.0007	10	-40 10 49.55	-0.002	08	0.41	16.225	14	06.6	49.45	14	04.7	K0	GC	4773	C -40 1152
69	10.1E	9.2H	55 19.689	-0.0015	12	-43 5 5.79	0.014	12	0.73	19.964	45	00.9	6.46	45	00.9	G0	CZ	1958	P -43 406
70	7.8E	7.5H	55 22.555	-0.0005	12	-48 37 16.21	-0.034	12	0.64	22.581	31	02.4	14.57	28	02.4	G5	CZ	1961	P -48 419
71	9.4E	10.0H	55 27.042	0.0019	12	-41 2 57.53	0.004	12	0.74	26.949	45	99.9	57.72	45	99.9	A	CZ	1959	P -41 414
72		8.1T	55 28.948	-0.0028	17	-49 54 5.76	-0.003	13	0.77	29.079	18	02.5	5.61	21	98.8	G5	GC	4776	C -50 1209
73	9.1E	9.2H	55 31.068	0.0046	12	-42 36 11.90	0.041	12	0.74	30.842	45	00.4	13.92	45	00.4	G0	CZ	1960	P -42 379
74	9.7E	9.0H	55 35.029	0.0008	12	-44 21 52.21	0.004	12	0.71	34.992	45	03.9	52.38	45	03.9	G0	CZ	1962	P -44 411
75	10.6E	9.6Z	55 36.041	-0.0019	12	-49 11 18.46	-0.014	12	0.70	36.128	45	05.0	17.85	45	05.0	K0	CZ	1965	P -49 477
76	9.6E	9.6H	55 40.696	0.0025	12	-41 49 42.15	0.039	12	0.74	40.573	45	99.9	44.12	45	99.9	F2	CZ	1963	P -42 380
77	10.9E	9.7Z	55 45.927	0.0025	12	-47 38 12.45	0.004	12	0.65	45.806	28	00.7	12.64	26	00.7		CZ	1966	P -47 396
78	9.3E	8.8H	56 5.693	0.0004	12	-44 52 50.71	-0.022	12	0.64	5.675	36	05.9	49.73	36	05.9	G5	CZ	1967	P -45 392
79		8.0T	56 18.230	0.0013	17	-46 31 25.49	-0.073	13	0.78	18.165	17	01.5	21.26	18	98.9	F5	GC	4785	C -46 1243
80	10.5E	10.4H	56 24.725	0.0008	12	-43 31 24.77	0.015	12	0.65	24.684	26	99.4	25.55	24	99.4	A3	CZ	1969	P -43 407
81	9.4E	9.2H	56 42.383	0.0036	12	-41 58 54.87	0.050	12	0.64	42.206	26	00.2	57.38	24	00.2	F8	CZ	1970	P -42 382
82	9.2E	8.0H	56 46.126	-0.0010	12	-48 18 44.68	0.012	12	0.64	46.176	28	01.2	45.46	26	01.2	K0	CZ	1972	P -48 422
83	8.8E	8.9H	56 48.351	-0.0030	12	-40 34 56.08	-0.015	12	0.68	48.509	28	98.0	55.29	26	98.0	F5	CZ	1971	P -40 391
84		7.1T	56 49.142	0.0011	07	-49 45 8.22	0.039	05	0.25	49.097	09	10.7	9.91	09	06.9	K0	GC	4789	C*-49 1165
85	10.1E	9.1H	57 6.815	0.0023	12	-44 25 57.15	0.010	12	0.64	6.703	28	01.2	57.62	26	01.2	G0	CZ	1974	P -44 414
86		8.1T	57 21.059	0.0018	17	-42 25 28.12	0.022	13	0.77	20.973	19	02.4	29.26	21	98.9	F0	GC	4792	C -42 1324
87	8.4E	8.1H	57 36.941	-0.0004	12	-42 2 19.09	-0.052	12	0.65	36.963	28	00.0	16.51	26	00.0	F5	CZ	1976	P -42 385
88	11.0E	9.8Z	57 38.781	0.0015	12	-45 48 46.11	-0.046	12	0.64	38.708	31	02.5	45.93	28	02.5		CZ	1978	P -46 385
89	7.9E	7.7H	57 40.928	0.0006	12	-43 19 9.94	-0.010	12	0.63	40.899	31	03.1	19.45	28	03.1	A0	CZ	1981	P -49 484
90		6.7T	57 42.089	0.0012	10	-44 3 28.06	0.003	07	0.54	42.005	19	95.9	28.28	17	85.6	G5	GC	4795	C -44 1358
91	9.7E	9.2H	57 49.118	-0.0000	12	-46 53 49.32	0.005	12	0.67	49.120	31	99.8	49.58	28	99.8	G5	CZ	1982	P -47 398
92	9.8E	9.8H	57 56.459	0.0073	12	-46 17 27.04	0.015	12	0.72	56.114	45	02.9	27.75	45	02.9	G0	CZ	1983	P -46 386
93	10.4E	9.0H	58 2.306	0.0018	12	-43 19 57.44	0.008	12	0.75	2.226	45	99.0	57.82	45	99.0	K2	CZ	1984	P -43 409
94		7.3T	58 20.838	0.0014	14	-42 31 49.50	0.006	13	0.72	20.766	17	00.0	49.79	17	98.2	K0	GC	4815	C -42 1333
95	8.7E	8.6H	58 49.628	0.0053	12	-41 53 17.38	-0.015	12	0.65	49.365	28	00.0	16.64	26	00.0	G0	CZ	1987	P -42 388
96		9.1T	58 51.128	-0.0007	22	-44 37 59.24	-0.010	20	0.97	51.158	24	05.9	58.81	24	05.0	G0	GC	4825	C*-44 1365
97	9.8E	9.2H	59 16.188	-0.0021	12	-49 7 32.32	-0.042	12	0.70	16.284	45	05.0	30.44	45	05.0	F8	CZ	1992	P -49 489
98	10.4E	9.8H	59 16.244	-0.0007	12	-49 55 26.53	0.023	12	0.63	16.276	31	03.3	27.62	28	03.3	K2	CZ	1993	P -50 525
99		9.2T	59 31.379	0.0062	13	-44 35 6.55	0.065	10	0.65	31.073	18	00.5	10.13	19	94.5	F8	GC	4836	C -44 1369
00	10.4E	9.3H	59 34.521	0.0004	12	-44 59 19.77	0.023	12	0.64	34.501	31	02.5	20.85	28	02.5	G5	CZ	1996	P -45 394

216600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 3H DM NUMBER
1	9.7E	10.2M	3 59 37.883	-0.0008	12	-41 23 20.56	-0.006	12	0.66	37.930	28	99.7	20.27	26	99.7	F5	CZ	1995	P -41 421
2		7.2T	59 44.303	-0.0010	17	-46 16 34.20	0.018	15	0.77	44.350	19	01.7	35.13	18	00.5	G5	SC	4841	C -46 1268
3	10.4E	9.8M	59 48.847	0.0033	12	-47 58 33.17	0.021	12	0.68	48.686	31	00.7	34.20	28	00.7	K0	CZ	1999	P -48 427
4	10.9E	9.6Z	59 55.284	0.0014	12	-46 50 31.75	-0.001	12	0.65	55.229	31	01.6	31.70	28	01.6		CZ	2001	P -47 400
5	11.6E	10.2M	59 57.267	-0.0051	12	-49 39 44.45	-0.108	12	0.70	57.496	45	05.0	38.99	45	05.0	G0	CZ	2002	P -49 490
6	11.0E	10.1M	59 57.929	-0.0036	12	-49 39 51.97	-0.132	12	0.70	58.090	45	05.0	46.03	45	05.0	G0	CZ	2003	P -49 490
7	10.2E	9.3Z	59 58.844	0.0013	12	-43 18 34.88	0.080	12	0.67	58.779	28	98.4	37.98	28	98.4		CZ	2000	P -43 411
8	10.7E	9.4Z	0 0.641	-0.0031	12	-40 16 32.18	-0.082	12	0.67	0.799	28	98.2	28.98	28	98.2		CZ	1998	P -40 400
9	9.5E	9.0M	0 18.616	0.0014	12	-41 4 33.81	0.014	12	0.66	18.543	28	99.7	34.51	28	99.7	K0	CZ	2004	P -41 426
10		8.3T	0 40.154	0.0011	17	-44 48 3.91	-0.005	15	0.79	40.104	19	03.1	3.69	22	01.4	A2	SC	4869	C -45 1375
11	10.3E	10.4M	0 45.976	-0.0084	12	-43 58 32.30	0.036	12	0.66	46.084	31	00.7	34.10	28	00.7		CZ	2008	P -44 421
12	9.8E	9.0M	0 47.035	0.0025	12	-43 28 51.67	0.081	12	0.67	46.905	28	98.4	34.53	28	98.4	G0	CZ	2006	P -43 413
13	9.3E	8.8M	1 2.473	0.0014	12	-40 7 58.43	0.006	12	0.68	2.399	28	98.1	58.74	28	98.1		CZ	2011	P -40 405
14		8.8T	1 11.759	-0.0010	12	-44 28 4.86	0.021	10	0.62	11.812	22	98.5	6.04	19	94.7		SC	4879	C -44 1379
15	10.1E	9.0M	1 17.939	0.0006	12	-48 56 0.62	-0.009	12	0.64	17.897	31	03.0	0.22	28	03.0	K0	CZ	2015	P -49 495
16		8.2T	1 22.044	-0.0063	11	-44 31 39.94	-0.073	08	0.56	22.374	18	97.8	35.42	18	88.5	G0	SC	4867	C -44 1361
17	9.9E	9.0M	1 28.054	0.0081	12	-44 43 43.09	-0.002	12	0.69	27.654	36	00.6	42.97	36	00.6	K0	CZ	2016	P -44 425
18		7.1T	1 31.638	-0.0002	15	-48 30 21.69	0.008	12	0.70	31.649	17	01.1	22.13	18	97.1		SC	4890	C -48 1174
19	9.5E	8.0Z	1 51.979	-0.0008	12	-44 16 28.51	0.010	12	0.65	52.022	28	00.1	28.79	28	00.1		CZ	2018	P -44 426
20	9.0E	9.5Z	1 59.118	0.0016	12	-47 53 21.90	0.019	12	0.73	59.042	45	01.5	22.84	45	01.5	F8	CZ	2020	P -48 434
21	10.0E	9.3Z	2 6.086	0.0026	12	-47 38 15.22	0.035	12	0.65	5.900	28	00.7	16.98	28	00.7	F8	CZ	20240	P -47 402
22	10.1E	9.5Z	2 8.495	-0.0015	12	-44 35 40.60	-0.084	12	0.69	9.569	36	00.6	36.45	36	00.6		CZ	2021	P -44 427
23		8.6T	2 9.052	-0.0051	13	-44 37 0.15	-0.095	12	0.68	9.308	22	00.1	59.28	21	98.5	G0	SC	4908	C -44 1369
24		7.6T	2 9.076	-0.0034	15	-44 52 9.17	0.032	11	0.68	9.242	18	00.9	10.84	18	96.9	A0	SC	4909	C -45 1381
25		6.7T	2 10.219	-0.0022	16	-47 59 54.01	0.004	12	0.74	10.327	18	01.5	54.22	21	97.4	A5	SC	4910	C -48 1181
26	9.6E	9.5Z	2 15.707	-0.0068	12	-47 52 48.85	-0.036	12	0.73	16.039	45	01.5	47.11	45	01.5	G0	CZ	20270	P -48 437
27	10.3E	9.5Z	2 21.093	-0.0014	12	-42 25 10.56	-0.031	12	0.65	21.162	28	00.0	9.00	28	00.0		CZ	2025	P -42 397
28	9.3E	9.0N	2 57.160	-0.0013	12	-41 25 1.99	0.020	12	0.66	57.225	28	99.7	2.98	28	99.7	G0	CZ	2030	P -41 431
29	9.3E	8.0N	3 2.105	-0.0012	12	-46 2 14.88	0.020	12	0.65	2.165	31	01.6	15.87	28	01.6	G5	CZ	2032	P -46 395
30	11.2E	9.7M	3 4.449	0.0001	12	-40 1 39.45	0.039	12	0.67	4.444	28	98.4	41.47	28	98.4		CZ	2031	P -40 411
31	9.7E	8.5Z	3 8.638	-0.0022	12	-47 48 3.23	0.008	12	0.74	8.748	45	00.4	3.66	45	00.4	K2	CZ	2033	P -48 438
32		8.3T	3 11.768	-0.0007	12	-44 48 12.26	0.012	11	0.64	11.805	18	99.2	12.95	19	95.1	K2	SC	4929	C -45 1388
33	9.9E	9.5Z	3 22.214	0.0010	12	-42 2 45.92	-0.038	12	0.65	22.164	28	00.0	44.00	28	00.0	G0	CZ	2034	P -42 399
34	10.0E	9.5Z	3 28.904	-0.0030	12	-47 53 37.93	-0.021	12	0.73	27.051	45	01.5	36.93	45	01.5	G0	CZ	2036	P -48 440
35	10.4E	8.5Z	3 45.007	-0.0010	12	-47 21 24.68	0.022	12	0.67	45.055	31	99.8	25.80	28	99.8	K2	CZ	2038	P -47 404
36	9.3E	9.0Z	3 46.126	0.0011	12	-47 58 0.80	0.019	12	0.66	46.073	31	00.7	1.75	28	00.7	F5	CZ	2039	P -48 442
37	9.4E	9.0N	3 57.777	0.0002	12	-40 39 40.49	-0.010	12	0.68	57.766	28	98.1	40.08	28	98.1	F2	CZ	2037	P -40 412
38		7.7T	4 0.458	0.0006	17	-45 48 3.44	-0.012	13	0.78	0.427	17	01.1	2.82	17	98.6	A5	SC	4946	C -46 1293
39	10.2E	8.2Z	4 9.477	-0.0019	12	-46 56 8.02	-0.010	12	0.67	9.574	31	99.9	7.54	28	99.9	K2	CZ	2043	P -47 405
40	9.7E	9.0N	4 13.141	-0.0016	12	-41 45 35.01	-0.013	12	0.66	13.222	28	99.7	34.34	28	99.7	K0	CZ	2041	P -41 434
41	9.5E	8.5Z	4 13.884	-0.0014	12	-42 5 40.70	-0.008	12	0.73	13.952	45	01.4	40.30	45	01.4	G5	CZ	2042	P -42 401
42	9.8E	8.8M	4 41.613	0.0019	12	-42 31 53.64	-0.000	12	0.65	41.517	28	00.1	53.64	26	00.1	F8	CZ	2046	P -42 402
43	9.8E	9.0N	4 43.286	-0.0012	12	-41 27 18.90	-0.005	12	0.73	43.325	45	00.9	18.73	45	00.9	G5	CZ	2045	P -41 436
44	10.1E	9.0M	4 44.311	-0.0008	12	-49 2 14.93	0.007	12	0.63	44.354	31	03.1	15.24	28	03.1	G5	CZ	2048	P -49 499
45		8.8T	4 49.848	0.0045	16	-42 29 53.21	0.038	12	0.71	49.643	24	04.6	55.06	24	01.8	G0	SC	4962	C -42 1374
46	9.5E	9.0Z	4 58.243	-0.0005	12	-47 34 21.07	0.011	12	0.74	58.270	45	00.4	21.62	45	00.4	F5	CZ	2049	P -47 406
47	9.4E	9.5Z	5 8.230	-0.0022	12	-43 29 16.66	-0.012	12	0.73	8.340	45	99.0	16.03	45	99.0	F8	CZ	2051	P -43 417
48	10.1E	9.8M	5 8.527	-0.0014	12	-49 47 16.63	0.000	12	0.70	8.590	45	05.0	16.65	45	05.0	F8	CZ	2053	P -49 501
49	9.0E	9.5Z	5 13.535	0.0013	12	-40 24 15.72	0.021	12	0.86	13.468	63	98.9	16.80	57	98.9	F0	CZ	2050	P -40 415
50	9.4E	9.0Z	5 20.126	0.0042	12	-41 48 13.15	0.042	12	0.73	19.920	45	00.9	15.19	45	00.9	G5	CZ	2052	P -42 404
51		7.0T	4 5 26.460	0.0054	06	-49 45 41.92	0.015	05	0.25	26.241	12	09.6	42.62	10	04.0	F0	SC	4978	C -49 1220
52	9.0E	8.0Z	5 31.100	0.0023	12	-45 4 41.84	0.027	12	0.74	30.986	45	00.4	43.20	45	00.4	G0	CZ	2054	P -45 401
53	9.7E	8.9M	5 31.759	0.0018	12	-48 43 20.20	0.020	12	0.63	31.674	28	01.9	21.15	26	01.9	F0	CZ	2057	P -48 444
54	8.8E	8.0Z	5 34.017	0.0013	12	-46 25 52.13	0.046	12	0.65	33.951	31	01.3	54.39	28	01.3	F2	CZ	2056	P -46 399
55		6.4T	5 46.211	-0.0011	13	-43 2 57.17	0.007	10	0.64	46.264	22	00.2	57.54	19	93.8	G5	SC	4981	C -43 1304
56	10.3E	9.5Z	5 47.880	-0.0034	12	-44 7 55.51	-0.044	12	0.69	48.034	31	98.2	53.21	28	98.2	A0	CZ	2059	P -44 435
57	9.2E	8.5Z	6 15.629	0.0005	12	-41 23 23.05	0.002	12	0.66	15.604	28	99.7	23.13	26	99.7	K0	CZ	2060	P -41 441
58	10.3E	9.1Z	6 27.683	-0.0011	12	-49 17 23.92	0.008	12	0.70	27.730	45	05.0	24.27	45	05.0	K2	CZ	2067	P -49 504
59		8.4T	6 32.544	-0.0036	09	-42 59 7.73	0.029	08	0.41	32.702	14	05.7	9.05	14	03.8	A5	SC	4998	C -43 1309
60	9.2E	8.8Z	6 38.089	0.0004	12	-45 20 56.11	0.016	12	0.64	38.069	28	01.0	56.91	26	01.0	A5	CZ	2068	P -45 402
61	10.0E	9.0Z	6 38.583	-0.0013	12	-41 59 33.81	0.005	12	0.64	38.647	26	00.5	34.04	24	00.5		CZ	2063	P -42 408
62	9.7E	8.8Z	6 41.679	-0.0046	12	-41 36 47.54	-0.039	12	0.68	41.903	36	01.3	45.62	36	01.3	G0	CZ	2065	P -41 443
63	9.2E	8.2Z	6 43.861	0.0005	12	-40 13 31.67	-0.004	12	0.86	43.836	63	98.9	51.48	57	98.9	K0	CZ	2064	P -40 418
64	8.4E	8.0Z	6 44.150	-0.0013	12	-48 28 36.57	-0.012	12	0.64	44.212	28	01.8	35.98	26	01.8	G5	CZ	2071	P -48 447
65	9.8E	9.0M	6 48.500	0.0088	12	-49 18 49.78	0.039	12	0.63	48.086	31	03.3	51.58	28	03.3	G0	CZ	2072	P -49 505
66	10.1E	9.0Z	6 53.603	-0.0030	12	-48 20 29.18	-0.024	12	0.67	53.742	36	02.7	28.06	36	02.7	K0	CZ	2073	P -48 448
67		6.4T	7 0.725	0.0072	07	-45 59 46.26	0.016	05	0.25	0.442	09	10.9	47.05	09	06.3	F0	SC	5008	C -46 1314
68	9.0E	7.5Z	7 14.681	-0.0018	12	-47 31 30.41	0.011	12	0.64	14.770	28	01.2	30.96	26	01.2	K2	CZ	2076	P -47 410
69	11.2E	10.0M	7 28.498	-0.0012	12	-46 17 49.09	0.023	12	0.64	28.552	31	02.3	50.21	28	02.3		CZ	2077	P -46 403
70	8.9E	8.5Z	7 39.750	-0.0006	12	-48 36 23.35	0.043	12	0.63	39.780	31	03.1	25.35	28	03.1	A2	CZ	2079	P -48 450
71	9.3E	9.0Z	7 59.644	-0.0001	12	-43 45 17.45	0.027	12	0.67	59.648	28	98.4	18.83	26	98.4	A2	CZ	2081	P -43 424
72	9.9E	9.0Z	8 1.604	0.0009	12	-41 28 2.52	-0.015	12	0.66	1.758	28	99.3	1.75	26	99.3	G5	CZ	2080	P -41 444
73	9.2E	8.0Z	8 2.618	0.0002	12	-47 33 37.10	0.009	12	0.71	2.611	45	04.0	37.53	45	04.0	K0	CZ	2082	P -47 412
74	10.0E	9.3M	8 11.737	0.0010	12	-49 45 18.17	0.043	12	0.63	11.690	31	03.1	20.20	28	03.1	F5	CZ	2084	P -49 509
75	10.3E	9.2Z	8 16.933	0.0087	12	-49 34 8.56	0.016	12	0.70	16.676	45	05.0	9.30	45	05.0	G5	CZ	2086	P -49 510
76		8.9T	8 22.636	-0.0019	16	-42 3 14.64	0.011	12	0.73	22.728	19	02.0	15.21	18	99.8	G5	SC	5034	C -42 1393
77	11.3E	9.7Z	8 30.511	-0.0012	12	-45 53 27.71	-0.007	12	0.69	30.571	31	98.0	27.33	28	98.0		CZ	2087	P -44 437
78	8.7E	9.0Z	8 33.288	0.0018	12	-40 28 21.93	0.021	12	0.86	33.194	63	98.9	23.00	57	98.9	A2	CZ	2085	P -40 422
79	9.0E	8.0Z	8 33.520	-0.0013	12	-42 45 6.43	0.010	12	0.66	33.585	28	99.8	6.93	26	99.8	G5	CZ	2088	P -42 412
80		7.9T	8 46.708	-0.0026	15	-40 39 53.30	0.006	11	0.67	46.834	18	01.7	53.61	19	97.5	A3	SC	5043	C -40 1254
81		8.3T	8 50.312	0.0002	20	-45 38 32.45	-0.130	18	0.92	50.302	22	03.6	26.15	19	01.5	G5	SC	5048	C -45 1429
82		4.9T	9 9.444	0.0188	05	-42 7 23.02	0.067	04	0.21	8.715	09	06.9	26.26	09	01.9	F0	SC	5051	C -42 1400
83		7.5T	9 33.098	-0.0025	22	-47 6 6.36	-0.132	22	1.06	33.211	21	04.1	0.21	19	03.4	F5	SC	5059	C -47 1291
84	10.0E	9.5H	10 2.369	0.0011	12	-44 45 40.26	-0.003	12	0.76	2.311	45	98.0	40.10	45	98.0	F5	CZ	2094	P -44 440
85	8.0E	7.5Z	10 13.105	-0.0019	12	-47 12 47.58	0.002	12	0.71	13.188	45	04.0	47.69	45	04.0	G5	CZ	2095	P -47 417
86	9.4E	8.8M	10 18.563	0.0011	12	-48 6 14.11	0.026	12	0.63	18.513	31	03.0	15.43	28	03.0	F0	CZ	2097	P -48 458
87	10.1E	9.3M	10 27.730	-0.0022	12	-40 4 23.21	0.015	12	0.68	27.844	28	98.0	23.99	26	98.0	A	CZ	2096	P -40 426
88	9.5E	8.5Z	10 30.285	-0.0019	12	-47 26 53.08	-0.003	12	0.71	30.351	45	04.0	52.95	45	04.0	K0	CZ	2099	P -47 419
89	11.1E	9.6M	10 32.548	0.0004	12	-41 41 12.56	0.060	12	0.66	32.528	28	99.4	15.58	26	99.4		CZ	2098	P -41 447
90	10.0E	9.0Z	10 39.014	-0.0018	12	-45 5 48.90	-0.008	12	0.66	39.103	31	00.3	48.52	28	00.3	F5	CZ	2100	P -45 413
91	9.0E	8.5Z	10 41.695	-0.0019	12	-49 6 14.29	-0.018	12	0.63	41.782	31	03.1	13.43	28	03.1	G5	CZ	2103	P -49 514
92	9.9E	9.2Z	10 46.468	-0.0005	12	-44 19 30.80	0.001	12	0.76	46.492	45	98.0	30.83	45	98.0	F5	CZ	2102	P -44 442
93	9.8E	9.5Z	10 46.975	0.0016	12	-42 47 40.58	0.023	12	0.66	46.894	28	99.7	41.73	26	99.7	F8	CZ	2101	P -42 417
94		6.7T	10 56.030	0.0035	08	-44 29 42.18	0.006	05	0.25	55.900	12	12.5	42.46	12	06.1	K0	SC	5093	C -44 1450
95		8.4T	11 3.224	0.0019	14	-44 0 3.82	0.006	12	0.71	3.132	22	00.9	4.16	21	97.6	K0	SC	5096	C -44 1451
96	10.7E	9.5Z	11 4.154	-0.0022	12	-49 22 3.35	-0.003	12	0.70	4.251	45	05.0	3.20	45	05.0	F5	CZ	2110	P -49 516
97	9.2E	8.0Z	11 5.537	0.0015	12	-45 29 39.39	0.005	12	0.64	5.461	28	01.2	39.65	26	01.2	K2	CZ	2106	P -45 415
98	8.9E	8.8M	11 8.275	0.0029	12	-44 48 27.75	0.026	12	0.66	8.128	28	99.5	29.05	26	99.5	F0	CZ	2107	P -45 414
99	10.2E	9.5H	11 11.209	0.0009	12	-44 9 37.99	-0.021	12	0.66	11.162	28	99.5	36.91	26	99.5		CZ	2108	P -44 446
00	9.3E	8.5Z	11 14.974	0.0013	12	-47 41 33.00	0.022	12	0.63	14.914	28	02.5	34.06	26	02.5	G0	CZ	2111	P -47 420

216700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 4H DM NUMBER
1	9.8E	9.0Z	4 11 17.627	-0.0024	12	-41 6 11.11	0.003	12	0.74	17.746	45	00.5	11.27	45	00.5	G5	CZ	2109	P -41 449
2	10.4E	9.6*	11 35.165	0.0001	12	-42 42 52.46	0.002	12	0.65	35.159	26	99.9	52.55	24	99.9		CZ	2112	P -42 421
3	10.9E	9.3*	11 41.027	-0.0005	12	-43 23 48.18	0.030	12	0.66	41.050	26	98.8	49.70	24	98.8		CZ	2113	P -43 426
4	9.8E	8.9*	11 50.137	0.0021	12	-48 23 51.35	0.031	12	0.63	50.037	31	03.0	52.80	28	03.0	F8	CZ	2116	P -48 463
5		6.4T	11 52.671	-0.0001	07	-40 29 2.28	0.019	06	0.32	52.676	12	05.9	3.19	12	01.9	G5	GC	5112	C -40 1286
6	8.5E	8.5Z	11 56.793	-0.0002	12	-41 30 51.99	0.003	12	0.65	56.803	26	99.3	52.13	24	99.3	A5	CZ	2115	P -41 451
7	9.1E	8.0Z	12 3.508	0.0061	12	-49 14 51.60	0.034	12	0.70	3.231	45	05.0	53.11	45	05.0	K0	CZ	2118	P -49 519
8	9.7E	8.5Z	12 12.898	-0.0027	12	-45 56 51.37	-0.005	12	0.66	13.021	36	03.6	51.15	36	03.6	G5	CZ	2119	P -46 407
9	10.6E	8.5Z	12 15.193	0.0006	12	-46 18 42.01	0.002	12	0.63	15.166	28	02.2	42.12	26	02.2	K5	CZ	2121	P -46 408
10		3.8H	12 20.591	0.0036	02	-42 25 0.31	-0.208	02	0.09	20.464	05	15.2	-52.71	04	13.3	K0	F4	155	-42 1425
11		6.8T	12 37.410	0.0152	07	-46 15 21.44	-0.098	05	0.30	36.810	14	10.6	16.90	12	03.6	G0	GC	5126	C*-46 1347
12	8.9E	8.8Z	12 38.011	0.0008	12	-40 56 22.41	0.007	12	0.74	37.971	45	00.5	22.76	45	00.5	A5	CZ	2124	P -41 454
13	9.0E	8.6H	12 40.976	-0.0018	12	-49 42 24.47	-0.027	12	0.63	41.060	31	03.1	23.23	28	03.1	B9	CZ	2130	P -49 521
14	9.3E	9.0Z	12 44.469	-0.0028	12	-45 23 58.11	0.003	12	0.71	44.599	45	04.0	58.26	45	04.0	F5	CZ	2127	P -45 419
15	9.8E	9.5Z	12 45.960	-0.0017	12	-45 31 35.83	0.022	12	0.71	46.036	45	04.0	36.86	45	04.0	F0	CZ	2129	P -45 420
16		7.0T	12 48.407	0.0017	15	-41 1 5.38	-0.057	13	0.73	48.323	17	00.3	2.40	17	97.9	G5	GC	5133	C -41 1332
17	10.4E	9.6Z	12 49.503	0.0002	12	-49 22 16.36	-0.016	12	0.70	49.491	45	05.0	15.63	45	05.0	F5	CZ	2133	P -49 522
18	9.3E	8.9H	12 55.118	-0.0031	12	-44 56 10.68	0.001	12	0.64	55.265	31	02.1	10.73	28	02.1	F5	CZ	2131	P -45 422
19	9.5E	9.0Z	13 7.113	0.0042	12	-40 52 46.35	0.026	12	0.74	6.905	45	00.5	47.64	45	00.5	G0	CZ	2132	P -41 456
20	8.3E	8.5Z	13 19.185	0.0029	12	-40 10 46.39	0.052	12	0.68	19.035	28	98.1	49.10	26	98.1	A3	CZ	2134	P -40 438
21	10.7E	9.5*	13 31.652	0.0014	12	-42 9 3.05	0.006	12	0.65	31.582	28	99.9	3.33	26	99.9		CZ	2136	P -42 429
22	10.5E	9.9H	13 47.053	-0.0029	12	-44 43 57.36	0.045	12	0.74	47.196	45	00.5	59.58	45	00.5	F8	CZ	21370	P -44 451
23	10.2E	9.8H	13 47.596	-0.0023	12	-44 44 7.14	0.044	12	0.74	47.709	45	00.5	9.31	45	00.5	F8	CZ	21380	P -44 451
24	10.2E	9.7Z	14 4.350	-0.0009	12	-48 19 45.91	-0.027	12	0.70	4.388	45	05.0	44.71	45	05.0	A2	CZ	2140	P -48 472
25		8.9T	14 12.601	0.0267	24	-46 5 28.39	-0.141	24	1.11	11.388	21	04.6	21.99	21	04.6	G5	GC	5169	C -46 1355
26	10.3E	9.3*	14 16.905	0.0036	12	-47 29 56.66	0.006	12	0.64	16.731	31	02.2	56.96	28	02.2	G0	CZ	2143	P -47 423
27	8.4E	8.0Z	14 30.595	-0.0024	12	-42 44 57.87	0.056	12	0.66	30.715	28	99.7	0.67	26	99.7	F0	CZ	2144	P -42 430
28	10.0E	9.0Z	14 31.315	0.0017	12	-48 26 21.88	0.147	12	0.70	31.238	45	05.0	28.49	45	05.0	F2	CZ	2145	P -48 473
29	10.0E	9.0Z	14 50.778	-0.0007	12	-40 58 35.02	-0.006	12	0.66	50.813	28	99.4	34.72	26	99.4	K0	CZ	2146	P -41 460
30	9.0E	9.0Z	15 0.255	0.0041	12	-45 30 50.09	0.021	12	0.64	0.057	31	02.3	51.10	28	02.3	F8	CZ	2149	P -45 426
31	9.2E	8.5Z	15 1.737	0.0033	12	-44 31 55.68	0.011	12	0.67	1.572	31	00.0	56.22	28	00.0	G0	CZ	2148	P -44 454
32	9.6E	8.0Z	15 9.074	-0.0008	12	-47 13 6.84	-0.009	12	0.65	9.114	31	02.0	6.43	28	02.0	K0	CZ	2151	P -47 425
33	9.5E	9.0Z	15 9.487	-0.0006	12	-44 24 56.24	0.004	12	0.74	9.515	45	00.5	56.43	45	00.5	F8	CZ	21500	P*-44 455
34	10.1E	9.1*	15 12.596	-0.0050	12	-48 54 22.44	-0.138	12	0.62	12.832	28	03.1	15.95	26	03.1	G5	CZ	2153	P -49 528
35	8.0E	8.0Z	15 27.057	0.0006	12	-48 38 16.30	0.014	12	0.63	27.030	28	01.9	16.96	26	01.9	F0	CZ	2154	P -48 475
36	10.3E	8.5Z	16 20.497	-0.0002	12	-41 26 58.59	-0.013	12	0.66	20.507	28	99.3	57.92	26	99.3	K2	CZ	2156	P -41 466
37		7.8T	16 27.923	0.0061	17	-45 46 20.41	0.071	13	0.77	27.627	19	01.7	24.07	18	98.5	G0	GC	5209	C -45 1481
38		8.7T	16 33.103	-0.0058	20	-48 31 0.89	0.001	15	0.86	33.375	19	03.2	0.96	19	00.4	B8	GC	5214	C -48 1279
39	9.8E	9.0Z	16 36.266	0.0068	12	-49 48 9.80	0.043	12	0.70	35.869	45	05.0	11.76	45	05.0	G0	CZ	2159	P -49 533
40	9.5E	9.0*	16 41.456	-0.0021	12	-49 35 21.92	-0.058	12	0.63	41.554	31	03.1	19.22	28	03.1	F0	CZ	2160	P -49 534
41	9.5E	9.1*	16 56.756	-0.0008	12	-44 11 20.00	0.017	12	0.66	56.795	28	99.5	20.85	26	99.5	A2	CZ	2161	P -44 460
42	9.7E	9.0Z	17 0.840	-0.0015	12	-43 17 41.82	0.012	12	0.66	0.916	26	98.5	42.44	24	98.5	F0	CZ	2162	P -43 433
43	10.3E	9.5Z	17 12.943	0.0004	12	-46 46 7.29	0.017	12	0.62	12.927	28	02.9	8.10	26	02.9	A2	CZ	2164	P -46 415
44		8.0T	17 13.082	-0.0013	20	-48 42 40.55	-0.009	16	0.88	13.143	19	03.9	40.12	21	99.9	K0	GC	5239	C -48 1287
45	9.0E	9.0Z	17 15.247	0.0002	12	-43 44 31.57	0.015	12	0.67	15.235	28	98.4	32.33	26	98.4	A3	CZ	2163	P -43 434
46	10.7E	8.5Z	17 24.707	0.0004	12	-41 52 8.27	0.004	12	0.66	24.687	28	99.6	8.45	26	99.6	K0	CZ	2165	P -42 439
47	9.7E	9.1H	17 29.139	0.0004	12	-49 57 32.25	-0.017	12	0.63	29.121	31	03.0	31.48	28	03.0	G5	CZ	2169	P -50 573
48	8.4E	7.5Z	17 39.670	-0.0008	12	-47 41 15.16	0.006	12	0.67	39.712	31	99.9	15.48	28	99.9	K0	CZ	2170	P -47 426
49		5.1T	17 41.581	0.0052	05	-44 23 12.81	-0.043	05	0.27	41.334	12	02.2	10.60	12	98.2	K0	GC	5250K	C*-44 1503
50	9.7E	9.0Z	17 42.336	0.0002	12	-42 4 47.67	-0.132	12	0.66	42.326	28	99.7	41.02	26	99.7	G0	CZ	2167	P -42 441
51	9.1E	8.5Z	4 17 47.648	0.0060	12	-44 23 42.32	-0.031	12	0.74	47.350	45	00.5	40.78	45	00.5	G0	CZ	2171	P -44 466
52	8.9E	8.0Z	18 5.315	0.0004	12	-43 35 55.30	0.024	12	0.75	5.293	45	99.0	56.51	45	99.0	K0	CZ	2173	P -43 435
53		8.3T	18 6.408	-0.0031	16	-42 4 40.28	-0.092	12	0.72	6.555	18	02.4	35.47	21	97.6	G0	GC	5262	C -42 1464
54	9.9E	9.0*	18 16.379	-0.0015	12	-42 47 42.77	-0.000	12	0.65	16.454	28	99.9	42.77	26	99.9	G5	CZ	2174	P -42 446
55	9.8E	9.0Z	19 14.954	0.0009	12	-45 22 33.45	0.036	12	0.71	14.913	45	04.0	35.11	45	04.0	A2	CZ	2177	P -45 437
56	9.7E	8.5Z	19 20.343	0.0033	12	-47 22 8.91	0.024	12	0.67	20.175	31	99.6	10.13	28	99.6	G5	CZ	2179	P -47 428
57	9.3E	9.0Z	19 23.575	0.0009	12	-42 56 25.64	0.015	12	0.75	23.529	45	99.0	26.39	45	99.0	A2	CZ	2178	P -43 437
58		7.4T	19 39.427	-0.0043	11	-48 55 43.79	0.006	10	0.47	39.606	14	08.5	44.06	15	07.7	A2	GC	5294	C -49 1297
59	10.1E	9.5*	19 40.796	-0.0005	12	-44 34 18.92	0.003	12	0.67	40.820	31	00.0	19.06	28	00.0	A0	CZ	2180	P -44 468
60	8.7E	7.5Z	19 42.061	0.0014	12	-45 9 40.54	0.026	12	0.64	41.995	31	02.3	41.79	28	02.3	G5	CZ	2181	P -45 440
61	10.4E	9.5Z	19 54.315	0.0077	12	-46 57 39.25	0.117	12	0.67	53.931	31	99.9	45.13	28	99.9	G0	CZ	2185	P -47 429
62	9.8E	9.0*	19 56.579	-0.0049	12	-48 36 49.75	-0.162	12	0.65	56.821	31	00.9	41.79	28	00.9	G0	CZ	2187	P -48 485
63	9.5E	8.8Z	20 3.275	0.0099	12	-42 42 54.62	-0.005	12	0.66	2.777	28	99.7	54.37	26	99.7	G0	CZ	2184	P -42 449
64		7.6T	20 9.103	0.0016	17	-42 54 19.86	0.063	13	0.78	9.023	18	01.1	24.14	17	98.2	G5	GC	5307K	C*-43 1394
65		7.9T	20 13.892	0.0041	15	-41 20 7.76	-0.065	12	0.71	13.687	17	00.1	4.28	17	96.6	F5	GC	5310K	C -41 1386
66	10.7E	9.4*	20 23.184	-0.0002	12	-49 25 29.46	0.011	12	0.63	23.195	31	03.3	30.00	28	03.3	K0	CZ	2190	P -49 540
67	8.3E	9.0Z	20 26.999	-0.0007	12	-41 52 54.98	0.004	12	0.73	27.033	45	01.0	55.16	45	01.0	B9	CZ	2189	P -42 451
68	9.1E	8.5Z	20 47.582	0.0021	12	-43 55 22.53	0.012	12	0.65	47.475	28	99.8	23.12	26	99.8	F5	CZ	2192	P -44 472
69	10.7E	9.5*	21 7.921	0.0032	12	-46 29 9.17	0.010	12	0.63	7.767	28	02.5	9.67	26	02.5	G5	CZ	2193	P -46 420
70	9.4E	8.2Z	21 16.002	-0.0006	12	-45 36 3.48	0.005	12	0.63	16.028	28	02.3	3.74	26	02.3	K0	CZ	2194	P -45 443
71	10.8E	9.4Z	21 36.805	0.0014	12	-42 23 43.61	0.019	12	0.65	36.735	26	99.8	44.56	24	99.8		CZ	2195	P -42 453
72	10.4E	8.5Z	21 41.521	-0.0004	12	-41 21 49.19	-0.013	12	0.65	41.542	26	00.1	48.55	24	00.1	K0	CZ	2197	P -41 481
73	10.1E	8.5Z	21 54.227	-0.0012	12	-40 30 35.74	0.010	12	0.66	54.327	28	99.6	36.25	26	99.6	K0	CZ	2198	P -40 464
74	9.0E	9.0Z	22 4.858	-0.0014	12	-45 41 28.82	0.016	12	0.66	4.920	36	03.7	29.58	36	03.7	A2	CZ	2202	P -45 447
75		7.8T	22 8.765	-0.0004	16	-43 34 12.16	-0.011	13	0.76	8.786	17	01.1	11.61	17	98.0	F0	GC	5348	C -43 1407
76	9.8E	9.0Z	22 9.656	-0.0030	12	-40 23 29.89	-0.059	12	0.83	9.800	63	02.0	27.06	57	02.0	F8	CZ	2199	P -40 465
77	9.4E	9.0Z	22 10.560	-0.0014	12	-42 5 50.90	-0.013	12	0.65	10.630	28	99.8	50.23	26	99.8	F5	CZ	2200	P -42 454
78	9.5E	8.5Z	22 13.616	0.0039	12	-43 6 59.19	0.003	12	0.75	13.416	45	99.0	59.34	45	99.0		CZ	2203	P -43 444
79	9.7E	8.9Z	22 18.515	0.0001	12	-45 12 18.72	0.011	12	0.71	18.510	45	04.0	19.24	45	04.0	F2	CZ	2204	P -45 448
80		7.3T	22 30.554	0.0004	16	-40 10 0.79	0.017	11	0.71	30.536	18	02.2	1.68	21	97.2	B9	GC	5352K	C*-40 1372
81	9.1E	7.8Z	22 35.539	0.0007	12	-47 16 15.08	0.003	12	0.74	35.501	45	00.5	15.25	45	00.5	K0	CZ	2208	P -47 434
82	9.4E	8.5Z	22 42.250	0.0015	12	-40 56 30.38	-0.013	12	0.65	42.176	28	00.4	29.75	26	00.4	F5	CZ	2207	P -41 482
83		7.0T	22 47.030	-0.0032	09	-46 45 30.90	-0.016	06	0.37	47.168	15	06.5	30.11	14	00.1	F5	GC	5357	C -46 1404
84	9.6E	9.1*	22 51.743	-0.0042	12	-49 2 58.65	-0.009	12	0.63	51.942	31	03.0	58.22	28	03.0	G5	CZ	2213	P -49 545
85	10.2E	9.1*	22 53.623	-0.0005	12	-47 33 57.10	0.018	12	0.67	53.650	31	00.0	58.01	28	00.0	K0	CZ	2212	P -47 437
86		8.4T	22 56.142	0.0011	14	-44 8 3.39	0.025	11	0.67	56.089	19	00.2	4.75	18	96.4	A0	GC	5360	C -44 1542
87	9.7E	9.0Z	22 58.641	0.0030	12	-40 21 4.76	0.009	12	0.63	58.498	63	02.0	5.20	57	02.0	G0	CZ	2209	P -40 471
88	9.9E	9.0*	22 59.762	-0.0008	12	-48 15 55.14	-0.014	12	0.65	59.799	31	00.9	54.47	28	00.9	G0	CZ	2214	P -48 491
89	9.0E	8.9H	23 20.776	0.0003	12	-44 50 33.63	-0.016	12	0.74	20.761	45	00.5	32.84	45	00.5	G5	CZ	2215	P -45 452
90		6.2T	23 44.690	0.0025	07	-44 16 27.94	0.070	05	0.26	44.597	12	12.3	31.02	10	06.3	F8	GC	5380	C*-44 1546
91	10.5E	9.4*	23 44.950	-0.0003	12	-43 7 0.86	-0.024	12	0.67	44.965	28	98.6	59.62	26	98.6	A2	CZ	2216	P -43 448
92	9.7E	8.9Z	23 46.250	0.0008	12	-43 15 29.73	-0.016	12	0.75	46.209	45	99.0	28.91	45	99.0	G5	CZ	2217	P -43 449
93	10.2E	9.0Z	23 47.825	-0.0004	12	-43 47 15.34	0.003	12	0.67	47.844	28	98.4	15.48	26	98.4	G5	CZ	2219	P -43 450
94	9.8E	9.5*	23 59.149	-0.0019	12	-40 40 20.92	0.003	12	0.65	59.238	40	02.0	21.06	28	02.0	A	CZ	2224	P -45 454
95	10.0E	9.4Z	24 5.314	-0.0047	12	-40 7 49.54	-0.050	12	0.63	5.540	63	02.0	47.14	57	02.0	G0	CZ	2222	P -40 477
96	9.1E	9.0Z	24 6.673	-0.0037	12	-47 58 59.16	-0.062	12	0.66	6.658	31	00.7	56.11	28	00.7	F5	CZ	2227	P -48 492
97	9.2E	9.3Z	24 10.719	-0.0005	12	-40 55 50.53	0.012	12	0.65	10.743	28	00.4	51.13	26	00.4	A2	CZ	2225	P -41 484
98		7.5T	24 13.662	0.0019	14	-44 58 0.03	-0.003	10	0.67	13.568	19	00.0	59.84	17	94.9	B8	GC	5393	C -45 1537
99	10.6E	10.0*	24 16.538	-0.0018	12	-47 36 55.90	0.007	12	0.67	16.620	31	00.0	55.86	28	00.0	G0	CZ	2229	P -47 439
00	9.9E	8.9Z	24 16.847	-0.0012	12	-42 31 11.34	0.006	12	0.73	16.905	45	01.0	11.63	45	01.0	A5	CZ	2228	P -42 458

216800 -40° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.9E	9.5Z	4 24 35.879	-0.0006	12	-45 23 41.98	0.002	12	0.71	35.908	45	04.0	42.09	45	04.0	A	CZ	2230	P -45 459
2	10.3E	9.5Z	24 46.079	0.0006	12	-40 50 31.10	-0.032	12	0.83	46.049	63	02.0	29.57	57	02.0		CZ	2231	P -41 491
3		6.8T	24 56.452	0.0007	11	-40 38 28.95	0.029	07	0.57	56.414	21	96.2	28.77	18	97.0	A0	GC	5410K	C*-40 1396
4	10.7E	9.5*	25 12.413	-0.0040	12	-44 45 58.49	-0.000	12	0.67	12.613	31	99.7	58.48	26	99.7		CZ	2235	P -44 481
5	10.6E	9.5Z	25 19.701	-0.0007	12	-42 39 4.60	0.034	12	0.66	19.736	28	99.7	6.30	26	99.7	G0	CZ	2236	P -42 463
6	10.5E	9.3Z	25 20.710	-0.0085	12	-42 18 54.32	0.057	12	0.73	20.833	45	01.0	57.09	45	01.0		CZ	2237	P -42 464
7	10.1E	9.1*	24.956	-0.0080	12	-46 16 56.59	0.007	12	0.65	25.054	31	02.0	56.94	28	02.0	G5	CZ	2240	P -46 428
8	9.9E	8.5Z	25.870	0.0000	12	-42 45 22.45	-0.004	12	0.66	30.889	28	99.7	22.25	26	99.7	G5	CZ	2239	C -42 465
9		6.2T	37.642	0.0055	06	-47 3 15.47	-0.271	06	0.31	37.382	12	03.1	1.76	12	99.4	F5	GC	5428	C -47 1383
10		8.1T	40.833	0.0057	18	-40 18 28.91	0.038	14	0.83	40.563	22	02.6	30.86	19	98.4	A2	GC	5429	C -40 1404
11		7.2T	51.412	-0.0020	10	-40 34 59.34	0.019	08	0.42	51.496	15	07.9	0.20	14	04.4	F8	GC	5438	C -40 1405
12	9.3E	9.5Z	0.982	-0.0058	12	-48 37 31.98	0.013	12	0.83	1.272	28	02.0	32.20	26	02.0	A3	CZ	2248	P -48 484
13	10.2E	8.8*	2.702	0.0004	12	-46 41 38.73	-0.016	12	0.62	2.683	28	02.9	37.99	28	02.9	K0	CZ	2246	P -46 429
14	10.0E	8.0Z	3.184	0.0008	12	-43 27 32.02	0.007	12	0.75	3.081	45	99.0	32.37	45	99.0	K2	CZ	2245	P -43 452
15	9.8E	9.8Z	13.976	-0.0016	12	-42 20 2.39	-0.093	12	0.68	14.056	36	01.3	-57.84	36	01.3	F8	CZ	2247	P -42 466
16	9.8E	9.0Z	17.115	0.0006	12	-49 6 3.49	-0.004	12	0.63	17.089	31	03.0	3.29	28	03.0	G5	CZ	2254	P -49 550
17	10.7E	9.0Z	23.868	0.0007	12	-43 12 44.66	-0.040	12	0.66	23.832	28	99.0	42.62	24	99.0	G0	CZ	2249	P -43 455
18	8.4E	8.0Z	25.310	-0.0014	12	-42 51 49.68	-0.010	12	0.68	25.378	36	01.3	49.19	36	01.3	A2	CZ	2250	P -43 454
19	9.9E	9.0Z	28.323	-0.0007	12	-42 14 18.41	-0.043	12	0.68	28.357	36	01.3	16.30	36	01.3	K2	CZ	2252	P -42 468
20	9.7E	9.1*	29.954	0.0065	12	-41 22 33.19	0.088	12	0.64	29.634	26	00.8	37.52	24	00.8	G5	CZ	2251	P -41 495
21		6.4T	31.102	-0.0017	07	-42 4 10.41	-0.004	06	0.34	31.182	14	02.5	10.22	14	98.6	M0	GC	5451	C*-42 1510
22	8.6E	9.0Z	32.334	-0.0005	12	-45 36 57.21	-0.001	12	0.62	32.356	28	02.8	57.18	26	02.8	A2	CZ	2255	P -45 484
23	10.3E	8.5Z	47.161	-0.0006	12	-40 1 41.86	-0.001	12	0.83	47.190	63	02.0	41.82	57	02.0	M4	CZ	2257	P -40 490
24	9.8E	9.4Z	52.948	-0.0013	12	-41 16 26.82	-0.001	12	0.68	53.010	36	02.0	26.78	36	02.0	A2	CZ	2258	P -41 500
25	10.2E	9.5Z	15.637	-0.0029	12	-42 7 3.89	0.010	12	0.73	15.778	45	01.0	4.36	45	01.0	F2	CZ	2259	P -42 472
26	10.3E	9.7Z	27.914	-0.0003	12	-42 24 41.45	-0.000	12	0.73	27.928	45	01.0	41.45	45	01.0		CZ	2260	P -42 473
27	9.7E	9.0Z	31.383	-0.0055	12	-41 5 23.99	-0.101	12	0.73	31.647	45	02.0	19.15	45	02.0	G5	CZ	2261	P -41 502
28		8.5T	38.480	0.0000	15	-42 18 26.24	0.021	12	0.71	38.479	18	01.5	27.38	19	96.4	A3	GC	5476	C -42 1520
29		8.9T	39.225	-0.0022	22	-46 38 30.57	-0.012	20	0.97	39.320	24	05.9	30.04	24	05.0	K0	GC	5477	C -46 1426
30	10.5E	8.8Z	44.263	0.0004	12	-42 17 57.55	-0.013	12	0.73	44.264	45	01.0	57.38	45	01.0		CZ	2263	P -42 479
31	9.2E	8.0Z	49.301	0.0008	12	-42 39 24.25	0.003	12	0.66	49.261	28	99.7	24.40	26	99.7	K0	CZ	2268	P -42 480
32		6.2T	51.094	0.0038	12	-46 37 26.26	0.033	08	0.58	50.901	19	99.7	28.19	18	92.2	G5	GC	5485	C -46 1427
33	9.7E	9.5Z	14.048	0.0004	12	-45 11 32.05	0.015	12	0.71	14.029	45	04.0	32.76	45	04.0	F5	CZ	2273	P -45 468
34	10.3E	8.5Z	16.527	0.0011	12	-48 28 49.77	0.023	12	0.63	16.474	31	03.1	50.84	28	03.1	K5	CZ	2277	P -48 496
35	9.5E	9.0Z	19.184	-0.0018	12	-40 29 44.45	-0.001	12	0.83	19.271	63	02.0	44.41	57	02.0	F0	CZ	2272	P -40 495
36	9.5E	9.0Z	22.496	-0.0016	12	-42 14 24.43	-0.028	12	0.73	22.575	45	01.0	23.05	45	01.0	F0	CZ	2274	P -42 482
37	10.5E	9.7Z	26.591	-0.0009	12	-42 13 34.14	-0.000	12	0.73	26.635	45	01.0	34.12	45	01.0		CZ	2275	P -42 483
38	9.9E	9.0Z	28.107	-0.0023	12	-41 58 12.38	-0.005	12	0.66	28.222	28	99.7	12.11	26	99.7	F5	CZ	2276	P -42 484
39		7.7T	36.579	-0.0027	17	-41 46 0.47	0.009	13	0.78	36.710	17	01.1	0.95	17	98.4	K5	GC	5508	C -41 1440
40	9.7E	9.5Z	43.811	0.0030	12	-45 12 3.79	0.040	12	0.71	43.673	45	04.0	5.65	45	04.0	F5	CZ	2280	P -45 469
41	8.0E	8.0Z	48.121	-0.0011	12	-48 5 9.54	0.040	12	0.63	48.175	31	03.2	11.42	28	03.2	A0	CZ	2286	P -48 497
42		7.5T	51.076	0.0009	17	-43 19 11.18	0.032	13	0.77	51.032	22	03.3	12.79	21	99.0	B9	GC	5513	C -43 1452
43	10.3E	8.5Z	51.712	0.0004	12	-40 19 26.94	-0.079	12	0.83	51.308	63	02.0	23.16	57	02.0	G5	CZ	2279	P -40 497
44		7.3T	54.199	-0.0017	16	-43 31 3.26	0.040	14	0.78	54.286	17	99.9	5.34	15	98.6	B9	GC	5514	C -43 1453
45	8.5E	8.0Z	55.200	0.0048	12	-40 30 9.33	0.041	12	0.83	54.969	63	02.0	11.31	57	02.0	G0	CZ	2281	P -40 499
46		8.5T	1.979	0.0004	16	-41 35 0.83	0.012	12	0.73	1.865	22	02.9	1.48	19	97.6	K2	GC	5518	C -41 1445
47		7.1T	13.605	0.0017	09	-41 16 49.44	-0.014	06	0.35	13.532	14	06.8	48.73	12	99.6	F0	GC	5522	C -41 1447
48	9.6E	9.5Z	17.525	-0.0019	12	-43 18 23.12	-0.001	12	0.74	17.619	45	00.0	23.07	45	00.0	A0	CZ	2290	P -43 467
49	9.2E	8.0Z	17.952	-0.0009	12	-45 42 11.46	0.022	12	0.71	17.991	45	04.0	12.49	45	04.0	K5	CZ	2292	P -45 473
50		5.2H	18.117	0.0003	03	-45 3 36.59	-0.001	02	0.11	18.107	05	14.5	36.57	05	11.4	B3	F4	167	C -45 1567
51	10.2E	9.3Z	4 29 27.562	-0.0032	12	-41 49 49.61	-0.100	12	0.73	27.716	45	02.0	44.99	45	02.0	G0	CZ	2293	P -41 511
52	9.0E	8.5Z	29 27.683	-0.0014	12	-44 22 43.76	0.004	12	0.66	27.751	31	00.4	43.95	28	00.4	A2	CZ	2295	P -44 496
53	10.2E	9.2Z	29 31.335	-0.0062	12	-46 6 32.31	-0.002	12	0.71	31.622	45	04.0	32.24	45	04.0	G0	CZ	2297	P -46 439
54	9.9E	9.0Z	29 31.640	-0.0003	12	-41 3 53.27	0.009	12	0.73	31.654	45	02.0	53.70	45	02.0	A5	CZ	2294	P -41 513
55	9.6E	9.8Z	29 33.669	-0.0009	12	-45 1 47.60	0.004	12	0.71	33.710	45	04.0	47.80	45	04.0		CZ	2296	P -45 474
56		8.4T	29 33.855	-0.0076	22	-45 27 59.78	0.039	20	0.98	34.199	21	05.0	1.57	21	04.3	G0	GC	5536	C -45 1571
57	10.5E	8.8*	29 39.106	-0.0001	12	-46 38 42.25	0.009	12	0.64	39.113	31	02.2	42.70	28	02.2	K0	CZ	2301	P -46 440
58	9.9E	9.0Z	29 42.334	0.0006	12	-44 16 29.99	0.017	12	0.66	42.303	31	00.7	30.82	28	00.7	F8	CZ	2300	P -44 497
59	9.6E	9.0Z	29 43.750	0.0025	12	-42 33 35.01	0.045	12	0.66	43.624	28	99.7	37.27	26	99.7	G0	CZ	2299	P -42 491
60		9.4T	30 25.216	0.0001	22	-49 25 50.60	0.315	20	0.99	25.214	21	04.3	5.18	21	03.7	G0	GC	5545	C -49 1366
61	9.1E	8.5Z	30 42.300	-0.0007	12	-45 54 15.91	0.012	12	0.71	42.332	45	04.0	16.48	45	04.0	K0	CZ	2304	P -46 441
62	9.7E	8.5Z	30 46.692	-0.0001	12	-44 3 41.60	-0.004	12	0.63	46.695	45	01.5	41.42	45	01.5	G5	CZ	2306	P -44 501
63	10.0E	8.0Z	30 54.023	0.0002	12	-40 18 46.11	0.022	12	0.66	54.013	28	99.4	47.20	26	99.4	MA	CZ	2305	P -40 507
64	10.6E	9.0Z	30 55.466	-0.0006	12	-41 31 34.62	0.013	12	0.65	55.496	28	00.4	35.27	26	00.4	K0	CZ	2307	P -41 518
65	9.6E	9.1Z	30 56.689	0.0006	12	-42 36 36.78	0.024	12	0.73	56.659	45	01.0	37.97	45	01.0	G0	CZ	2308D	P*-42 492
66	9.9E	8.5Z	31 1.900	0.0017	12	-43 32 20.04	0.009	12	0.66	1.812	28	99.1	20.51	26	99.1	K5	CZ	2310	P -43 470
67	9.5E	9.0Z	31 2.337	-0.0014	12	-47 34 43.44	0.016	12	0.63	2.403	28	02.0	44.22	26	02.0	A3	CZ	2313	P -47 452
68	9.9E	9.0Z	31 5.292	-0.0015	12	-46 9 21.68	0.018	12	0.63	5.363	28	02.0	22.56	26	02.0	F8	CZ	2312	P -46 442
69	10.4E	9.5Z	31 10.971	-0.0011	12	-40 18 52.72	0.005	12	0.83	11.023	63	02.0	52.94	57	02.0	G0	CZ	2311	P -40 508
70	10.0E	9.3*	31 16.220	-0.0018	12	-47 18 51.35	0.007	12	0.63	16.305	28	02.1	51.70	26	02.1	A2	CZ	-2314	P -47 453
71	10.1E	9.3Z	31 23.164	-0.0053	12	-47 49 17.12	0.026	12	0.66	23.411	36	03.3	18.35	36	03.3	G0	CZ	2315	P -47 454
72	9.6E	9.0Z	32 6.841	-0.0011	12	-47 1 29.53	0.001	12	0.63	6.895	28	02.0	29.60	26	02.0	F8	CZ	2320	P -47 456
73	9.8E	8.8Z	32 8.577	0.0043	12	-41 0 29.95	0.046	12	0.65	8.364	28	00.7	32.24	26	00.7	K0	CZ	2319	P -41 522
74	10.2E	9.4*	32 18.732	-0.0009	12	-48 11 14.19	0.007	12	0.63	18.776	31	03.2	14.52	28	03.2	G0	CZ	2322	P -48 505
75	9.6E	9.3*	32 25.814	0.0003	12	-48 56 3.21	0.070	12	0.63	25.801	31	03.2	6.47	28	03.2	F5	CZ	2323	P -49 557
76	10.1E	8.0Z	32 26.245	0.0044	12	-43 37 35.97	-0.080	12	0.66	26.022	28	99.0	31.89	26	99.0	K2	CZ	2321	P -43 472
77	9.6E	8.5Z	32 53.004	0.0004	12	-48 32 42.82	0.006	12	0.70	52.987	45	05.1	43.07	45	05.1	K2	CZ	2328	P -48 506
78	10.2E	9.0Z	32 56.356	-0.0003	12	-40 56 5.95	-0.002	12	0.72	56.369	45	02.4	5.88	45	02.4	K0	CZ	2325	P -41 527
79	10.3E	9.1*	32 56.546	-0.0014	12	-45 1 57.89	0.004	12	0.63	56.611	31	03.0	58.09	28	03.0	A2	CZ	2327	P -45 483
80	8.7E	8.5Z	33 1.278	-0.0003	12	-41 19 55.08	0.031	12	0.72	1.292	45	02.4	56.53	45	02.4	A3	CZ	2326	P -41 526
81	9.8E	8.0Z	33 7.333	-0.0007	12	-42 7 53.16	-0.013	12	0.66	7.366	28	99.6	52.51	26	99.6	MA	CZ	2329	P -42 499
82	8.9E	9.0Z	33 22.549	-0.0029	12	-40 7 3.04	-0.022	12	0.65	22.693	28	00.1	1.92	26	00.1	A5	CZ	2330	P -40 512
83	8.9E	8.5Z	33 25.703	0.0063	12	-41 39 53.89	-0.006	12	0.65	25.391	28	00.7	53.59	26	00.7	G0	CZ	2331	P -41 530
84	10.1E	8.5Z	33 39.418	0.0008	12	-40 18 56.57	-0.002	12	0.82	39.388	63	02.9	56.46	57	02.9	K2	CZ	2332	P -40 513
85	10.5E	9.0Z	33 41.609	0.0010	12	-44 5 58.88	0.009	12	0.65	41.562	31	03.1	59.33	28	01.3	G0	CZ	2333	P -44 503
86	10.2E	9.0Z	34 2.441	-0.0005	12	-42 6 9.78	-0.003	12	0.73	2.464	45	01.0	9.63	45	01.0	K0	CZ	2334	P -42 501
87	10.0E	9.1Z	34 6.496	0.0083	12	-48 50 2.22	0.013	12	0.70	6.124	45	05.1	2.79	45	05.1	G5	CZ	2337	P -48 511
88	10.3E	9.3Z	34 9.214	-0.0023	12	-40 59 3.14	0.002	12	0.72	9.322	45	02.4	3.22	45	02.4	F0	CZ	2335	P -41 534
89	10.4E	9.0Z	34 32.219	-0.0006	12	-46 27 21.19	0.006	12	0.71	32.244	45	03.5	21.49	45	03.5	K0	CZ	2341	P -46 447
90		7.5T	34 33.166	0.0084	09	-45 14 12.90	0.027	09	0.42	32.889	14	06.9	14.07	15	05.7	F2	GC	5625	C -45 1604
91	10.2E	9.0Z	34 33.792	0.0016	12	-43 43 37.88	0.011	12	0.66	33.712	28	99.3	38.44	26	99.3	G5	CZ	2339	P -43 480
92	9.9E	8.5Z	34 49.367	-0.0025	12	-43 53 2.79	-0.028	12	0.74	49.493	45	00.0	1.40	45	00.0	K0	CZ	2342	P -43 482
93	10.0E	8.5Z	34 55.445	-0.0008	12	-42 25 26.09	0.000	12	0.73	55.482	45	01.0	26.10	45	01.0	G5	CZ	2343	P -42 504
94	9.9E	9.0Z	34 57.325	0.0006	12	-46 22 34.57	0.031	12	0.65	57.299	31	01.7	36.08	28	01.7	K0	CZ	2344	P -46 448
95	10.3E	9.2*	35 16.245	-0.0004	12	-41 21 40.59	0.031	12	0.65	16.264	28	00.9	42.09	26	00.9	F5	CZ	2345	P -41 540
96	10.1E	9.2Z	35 21.152	0.0002	12	-45 2 13.53	0.086	12	0.69	21.143	45	05.5	16.48	45	05.5	A3	CZ	2346	P -45 489
97	9.6E	8.3Z	35 25.575	-0.0024	12	-49 16 15.88	0.005	12	0.63	25.689	31	03.2	16.10	28	03.2	K0	CZ	2348	P -49 561
98	11.0E	9.8*	35 33.892	0.0015	12	-47 15 55.00	0.011	12	0.64	33.823	31	02.6	55.54	28	02.6		CZ	2349	P -47 460
99		6.6T	35 41.434	0.0017	07	-41 58 22.25	0.050	05	0.27	41.361	12	07.9	24.57	09	03.8	A5	GC	5653	C -42 1572
00	10.4E	8.8Z	35 44.236	0.0012	12	-42 58 27.53	0.008	12	0.66	44.173	28	99.1	27.95	26	99.1	K0	CZ	2350	P -43 483

216900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 4H DM NUMBER
1	10.3E	9.6Z	4 35 47.730	0.0002	12	-42 27 49.17	0.022	12	0.73	47.718	45	01.0	50.26	45	01.0	G5	CZ	2352	P -42 509
2	9.4E	8.9Z	35 47.908	-0.0001	12	-42 9 16.76	0.013	12	0.73	47.911	45	01.0	19.39	45	01.0	A2	CZ	2351	P -42 510
3	10.5E	9.0*	35 58.995	-0.0024	12	-49 52 12.35	-0.005	12	0.63	59.107	31	03.3	12.13	28	03.3	F0	CZ	2354	P -50 617
4	10.0E	9.0Z	36 4.997	0.0007	12	-40 3 6.34	-0.017	12	0.82	4.963	63	02.9	5.52	57	02.9		CZ	2353	P -40 524
5	9.7E	8.7H	36 19.437	0.0004	12	-44 52 49.25	0.024	12	0.67	19.420	36	03.0	50.39	36	03.0	K0	CZ	2355	P -45 494
6	9.8E	9.0Z	36 20.916	-0.0000	12	-48 23 35.70	0.012	12	0.61	20.918	28	03.7	36.26	26	03.7	G5	CZ	2357	P -48 516
7	10.7E	9.3*	36 26.234	-0.0006	12	-45 45 9.24	0.011	12	0.62	26.260	28	02.8	9.78	26	02.8	G0	CZ	2356	P -45 495
8		7.8T	36 38.209	0.0001	17	-44 43 30.93	0.011	13	0.77	38.206	17	01.6	31.51	18	99.0	A5	GC	5671K	C -44 1644
9	10.0E	9.3H	36 42.498	-0.0007	12	-49 54 40.40	0.026	12	0.70	42.528	45	05.0	41.59	45	05.0	G5	CZ	2362	P -50 619
10	9.6E	8.9Z	36 43.377	-0.0029	12	-40 41 17.60	0.017	12	0.65	43.521	28	00.1	18.48	26	00.1	G5	CZ	2358	P -40 532
11	9.8E	9.4Z	36 47.662	-0.0025	12	-48 40 31.74	-0.040	12	0.65	47.775	36	05.1	29.93	36	05.1	F8	CZ	2364	P -48 517
12	9.7E	8.7Z	36 50.561	0.0198	12	-40 17 6.48	0.185	12	0.82	49.628	63	02.9	15.17	57	02.9	F8	CZ	2360	P*-40 534
13	10.8E	9.4*	36 51.930	-0.0020	12	-42 26 54.66	0.015	12	0.64	52.027	26	00.3	53.93	24	00.3		CZ	2361	P -42 512
14	10.0E	9.2Z	37 3.105	-0.0049	12	-40 41 13.52	0.007	12	0.82	3.334	63	02.9	13.82	57	02.9	F8	CZ	2363	P -40 535
15	9.9E	9.4Z	37 8.239	0.0029	12	-40 28 6.83	-0.027	12	0.82	8.102	63	02.9	5.53	57	02.9	F5	CZ	2365	P -40 537
16	10.0E	9.5Z	37 14.934	-0.0039	12	-40 38 23.71	0.002	12	0.82	15.116	63	02.9	23.82	57	02.9	F5	CZ	2366	P -40 538
17	9.5E	9.5Z	37 25.771	-0.0014	12	-40 2 0.30	-0.007	12	0.65	25.840	28	00.1	59.93	26	00.1	A3	CZ	2367	P -40 539
18	10.0E	8.9*	37 37.867	-0.0012	12	-47 49 10.11	0.001	12	0.65	37.926	31	01.7	10.17	28	01.7	F8	CZ	2369	P -47 464
19	10.0E	9.0Z	37 39.261	-0.0005	12	-41 49 23.41	0.009	12	0.65	39.304	28	00.7	23.86	26	00.7	K0	CZ	2368	P -41 544
20	9.8E	9.0Z	37 41.834	-0.0007	12	-48 3 30.67	-0.014	12	0.70	41.867	45	05.0	30.05	45	05.0	F0	CZ	2370	P -48 519
21	9.7E	8.8Z	38 1.086	-0.0064	12	-45 13 8.90	-0.074	12	0.71	1.380	45	04.0	5.51	45	04.0	K2	CZ	2373	P -45 497
22	9.0E	8.5Z	38 9.937	0.0012	12	-43 28 49.33	0.051	12	0.66	9.878	28	99.0	51.93	26	99.0	F5	CZ	2374	P -43 490
23	8.9E	8.5Z	38 11.697	0.0027	12	-45 8 33.11	0.054	12	0.65	11.567	31	02.0	35.71	28	02.0	F8	CZ	2376	P -45 498
24	9.4E	9.0Z	38 50.388	-0.0001	12	-46 23 18.79	-0.019	12	0.66	50.390	31	00.7	17.86	28	00.7	G0	CZ	2381	P -46 455
25	9.8E	9.5H	38 51.295	0.0002	12	-44 49 53.51	0.024	12	0.72	51.288	45	03.0	54.64	45	03.0	A5	CZ	2379	P -44 507
26		4.5H	38 56.921	-0.0135	02	-41 57 29.94	-0.078	02	0.10	57.449	05	11.0	26.99	05	12.2	F2	F4	1129	C -42 1587
27	9.8E	9.0Z	38 58.069	-0.0010	12	-40 31 11.55	-0.024	12	0.82	58.114	63	02.9	10.44	57	02.9	A2	CZ	2378	C -40 546
28		7.0T	39 11.571	-0.0006	06	-48 38 1.73	0.037	07	0.37	11.595	15	06.9	3.40	15	04.5	G5	GC	5714	C -48 1454
29		7.5T	39 19.687	-0.0011	17	-45 53 17.37	0.012	13	0.77	19.739	19	02.9	17.96	21	98.8	A2	GC	5718	C -46 1501
30	8.8E	8.5Z	39 19.930	-0.0008	12	-42 35 46.12	0.020	12	0.66	19.969	28	99.7	47.14	26	99.7	F2	CZ	2385	P -42 514
31		8.7T	39 34.159	-0.0049	18	-45 47 58.90	0.019	14	0.82	34.393	19	02.2	59.84	18	99.2	A5	GC	5727K	C*-45 1641
32	9.8E	9.2Z	39 49.545	-0.0018	12	-42 26 54.31	0.023	12	0.73	49.631	45	01.0	55.46	45	01.0	F0	CZ	2389	P -42 516
33	9.7E	8.0Z	39 56.004	0.0031	12	-43 59 37.53	-0.091	12	0.65	55.854	31	01.3	33.11	28	01.3	G5	CZ	2390	P -44 509
34	9.7E	9.0*	40 0.002	0.0023	12	-43 6 11.11	-0.026	12	0.66	59.884	28	99.3	9.81	26	99.3	F5	CZ	2391	P -43 491
35	9.6E	9.0Z	40 3.589	-0.0014	12	-42 13 30.54	0.012	12	0.66	3.657	28	99.7	31.15	26	99.7	F0	CZ	2392	P -42 519
36	10.6E	8.5Z	40 15.292	0.0012	12	-48 34 55.68	0.014	12	0.70	15.239	45	05.0	56.29	45	05.0	K2	CZ	2395	P -48 528
37	9.4E	8.2Z	40 15.915	0.0014	12	-48 15 3.94	0.012	12	0.70	15.853	45	05.0	4.49	45	05.0	G5	CZ	2394	P -48 527
38		7.7T	40 16.541	0.0010	16	-45 24 5.76	0.019	13	0.76	16.491	22	02.0	6.77	21	97.9	A0	GC	5739	C -45 1645
39		6.6T	40 20.333	0.0047	16	-47 21 19.87	0.060	12	0.74	20.105	18	01.7	24.15	19	96.8	G0	GC	5742K	C -47 1472
40	9.2E	8.5H	40 23.727	-0.0022	12	-45 0 35.97	0.012	12	0.71	23.828	45	04.0	36.54	45	04.0	F0	CZ	2396	P -45 506
41	10.2E	9.6Z	40 27.319	0.0011	12	-45 34 46.84	0.010	12	0.71	27.270	45	04.0	47.32	45	04.0		CZ	2398	P -45 508
42		7.3T	40 27.613	-0.0055	14	-47 55 9.80	-0.033	09	0.63	27.883	18	00.7	8.02	17	95.4	F0	GC	5746K	C*-48 1469
43	10.0E	9.0Z	40 40.006	-0.0019	12	-41 24 7.86	0.012	12	0.65	40.099	28	00.6	8.48	26	00.6	K0	CZ	2399	P -41 557
44	9.6E	9.0Z	40 41.711	0.0002	12	-44 35 18.93	0.040	12	0.65	41.703	31	01.3	20.88	28	01.3	F0	CZ	2403	P -44 512
45	10.2E	9.0Z	40 45.134	0.0025	12	-41 49 24.36	0.023	12	0.72	45.015	45	02.5	25.45	45	02.5	K0	CZ	2402	P -41 558
46	10.7E	9.3*	40 53.098	0.0045	12	-49 28 25.68	-0.007	12	0.63	52.889	31	03.2	25.37	28	03.2	K0	CZ	2406	P -49 571
47	9.7E	9.0H	40 56.095	0.0031	12	-44 44 35.44	-0.020	12	0.69	55.946	36	01.3	34.47	36	01.3	F8	CZ	2404	P -44 517
48	9.2E	9.4Z	41 11.790	-0.0001	12	-47 44 52.59	0.017	12	0.66	11.796	36	03.3	53.39	36	03.3	F0	CZ	2408	P -47 472
49	10.9E	9.5*	41 19.613	-0.0010	12	-40 46 19.78	-0.015	12	0.65	19.662	28	00.1	19.05	26	00.1		CZ	2407	P -40 560
50	10.3E	9.5Z	41 25.252	-0.0015	12	-45 24 29.38	-0.002	12	0.64	25.327	28	01.0	29.29	26	01.0	G5	CZ	2409	P -45 509
51	9.6E	8.6*	4 41 25.646	-0.0006	12	-47 34 38.43	-0.021	12	0.63	25.676	28	02.0	37.43	26	02.0	G0	CZ	2410	P -47 474
52	9.6E	9.2Z	41 31.056	0.0010	12	-49 4 38.46	-0.018	12	0.70	31.012	45	05.0	37.63	45	05.0	F8	CZ	2411	P -49 572
53	9.8E	9.5Z	41 39.212	0.0002	12	-45 44 14.92	0.005	12	0.68	39.204	36	02.0	15.17	36	02.0	F8	CZ	2412	P -45 510
54	9.5E	8.8Z	41 53.601	-0.0011	12	-46 32 45.93	0.006	12	0.64	53.656	28	01.2	46.24	26	01.2	G5	CZ	2417	P -46 469
55		7.7T	41 54.126	0.0006	14	-41 50 43.72	-0.008	12	0.70	54.095	17	00.0	43.31	17	97.5	K0	GC	5772	C -41 1546
56	8.6E	8.0Z	41 54.679	0.0012	12	-47 18 48.67	-0.013	12	0.63	54.624	28	02.1	48.06	26	02.1	K0	CZ	2419	P -47 476
57	9.9E	9.0Z	41 59.491	-0.0015	12	-48 55 35.58	0.024	12	0.63	59.563	31	03.1	36.68	28	03.1	G5	CZ	2421	P -49 573
58	10.0E	9.5*	41 59.623	-0.0001	12	-42 46 5.37	0.022	12	0.65	59.627	26	99.8	6.49	24	99.8	A0	CZ	2415	P -42 524
59	10.3E	9.1Z	42 3.325	-0.0005	12	-41 36 26.11	0.000	12	0.73	3.348	45	02.0	26.11	45	02.0	F5	CZ	2416	P -41 563
60	9.8E	9.0Z	42 5.349	-0.0022	12	-47 5 0.44	-0.008	12	0.66	5.453	36	03.3	0.08	36	03.3	K0	CZ	2422	P -47 478
61		6.2T	42 5.458	-0.0004	06	-41 9 24.57	0.012	05	0.26	5.474	12	09.6	25.12	10	02.9	K5	GC	5775	C -41 1549
62	10.6E	9.8Z	42 10.259	0.0003	12	-48 21 57.71	-0.014	12	0.70	10.248	45	05.0	58.35	45	05.0	A0	CZ	2423	P -48 533
63		7.5T	42 13.645	0.0009	16	-48 23 48.28	0.044	13	0.75	13.601	22	02.5	50.57	21	98.3	G5	GC	5781	C -48 1478
64	9.8E	9.3H	42 13.884	-0.0011	12	-49 59 36.06	0.011	12	0.70	13.933	45	05.0	36.57	45	05.0	A0	CZ	2425	P -50 628
65		8.4T	42 19.479	-0.0001	15	-49 58 47.42	0.025	12	0.72	19.484	17	00.7	48.69	18	98.1	K2	GC	5785	C -50 1476
66	9.9E	9.2Z	42 25.218	-0.0007	12	-46 16 41.33	0.011	12	0.72	25.253	45	02.5	41.87	45	02.5	K0	CZ	2426	P -46 471
67		6.8T	42 26.763	-0.0009	13	-48 25 21.20	0.275	10	0.64	26.806	17	00.2	36.21	18	95.5	F5	GC	5786	C -48 1479
68	9.9E	9.2*	42 29.732	-0.0013	12	-45 8 35.13	0.013	12	0.67	29.798	31	99.4	35.81	28	99.4	F5	CZ	2427	P -45 512
69	8.9E	8.0Z	42 42.367	0.0017	12	-46 21 32.77	-0.005	12	0.72	42.288	45	02.5	32.55	45	02.5	K0	CZ	2430	P -46 473
70	9.8E	9.0Z	42 58.963	0.0004	12	-44 30 35.24	0.007	12	0.75	58.945	45	99.0	35.61	45	99.0	A2	CZ	2431	P -44 523
71	10.9E	9.0Z	43 4.286	-0.0018	12	-42 10 58.94	0.010	12	0.66	4.355	28	99.7	59.44	26	99.7		CZ	2432	P -42 527
72		8.5T	43 13.792	0.0009	17	-41 50 44.98	-0.018	13	0.79	13.746	18	00.7	44.04	17	97.5	F5	GC	5801	C -41 1556
73	10.5E	9.3Z	43 14.080	-0.0003	12	-43 29 17.30	0.035	12	0.66	14.097	28	99.1	19.08	26	99.1	A3	CZ	2436	P -43 494
74	10.3E	9.0*	43 14.752	-0.0009	12	-43 6 29.27	0.002	12	0.66	14.796	28	99.3	29.38	26	99.3	K0	CZ	2435	P -43 493
75	11.0E	9.6Z	43 15.358	-0.0014	12	-43 29 27.02	0.037	12	0.74	15.429	45	00.0	28.87	45	00.0	A3	CZ	2437	P -43 494
76	9.0E	8.3H	43 17.002	0.0004	12	-44 38 32.26	-0.008	12	0.68	16.979	31	98.7	31.86	28	98.7	K2	CZ	2438	P -44 524
77		8.3T	43 17.274	-0.0286	22	-47 30 6.02	-0.061	20	1.00	15.954	21	03.9	3.18	19	03.1	G0	GC	5804	C -47 1497
78	10.0E	9.0Z	43 25.833	-0.0042	12	-46 29 15.35	0.076	12	0.72	26.035	45	02.5	18.98	45	02.5	G0	CZ	2440	P -46 477
79	10.2E	9.4Z	43 42.676	-0.0001	12	-45 31 7.78	0.047	12	0.74	42.683	45	00.0	10.15	45	00.0	F8	CZ	2444	P -45 515
80		7.6T	43 59.418	0.0008	16	-42 38 40.10	0.012	14	0.77	59.387	22	02.6	40.74	21	99.2	A0	GC	5815	C -42 1615
81	9.7E	8.5H	44 5.604	0.0117	12	-43 59 13.02	0.037	12	0.68	5.005	31	98.7	14.93	28	98.7	K0	CZ	2449	P -44 525
82	10.5E	9.6Z	44 6.902	-0.0017	12	-44 38 48.80	-0.006	12	0.75	6.991	45	99.0	48.51	45	99.0		CZ	2450	P -44 526
83	10.4E	9.7Z	44 21.134	-0.0012	12	-48 32 21.34	-0.014	12	0.70	21.189	45	05.0	20.69	45	05.0	F5	CZ	2456	P -48 537
84	8.7E	9.0Z	44 29.778	-0.0012	12	-45 48 32.55	0.009	12	0.67	29.842	31	99.3	33.03	28	99.3	K0	CZ	2457	P -45 516
85	10.0E	8.7Z	44 31.319	-0.0131	12	-48 7 25.51	-0.063	12	0.70	31.910	45	05.0	22.68	45	05.0	G5	CZ	2459	P -48 538
86	9.7E	9.3H	44 38.907	-0.0019	12	-40 0 7.85	0.007	12	0.66	39.002	28	99.6	8.22	26	99.6	G0	CZ	2455	P -40 566
87		6.5I	44 49.277	0.0045	22	-49 20 7.11	0.036	22	1.05	49.074	21	04.3	8.76	19	03.8	M2E	GC	5833V	C*-49 1439
88	9.5E	8.9*	44 49.302	0.0002	12	-41 10 49.41	-0.027	12	0.65	49.291	28	00.4	48.10	26	00.4	F5	CZ	2460	P -41 569
89	9.6E	8.5Z	44 56.432	-0.0003	12	-44 20 41.82	-0.028	12	0.75	56.450	45	99.0	40.40	45	99.0	G0	CZ	2461	P -44 529
90		7.5T	45 2.543	-0.0011	17	-42 10 51.86	0.032	12	0.77	2.595	18	01.8	53.57	19	96.8	A5	GC	5837	C -42 1624
91	10.2E	9.2*	45 4.536	-0.0012	12	-48 22 1.18	-0.007	12	0.63	4.595	31	03.2	0.86	28	03.2	F0	CZ	2466	P -48 541
92	9.0E	8.5Z	45 8.019	0.0010	12	-42 42 20.63	0.020	12	0.66	7.967	28	99.6	21.65	26	99.6	F5	CZ	2465	P -42 533
93		8.1T	46 2.483	-0.0031	09	-46 41 10.68	-0.068	07	0.40	2.708	14	05.8	7.48	14	02.6	G0	GC	5855	C -46 1553
94		8.1T	46 8.425	0.0001	20	-44 21 20.18	-0.045	17	0.89	8.421	22	04.0	18.05	22	02.2	F0	GC	5861	C -44 1714
95	10.1E	9.0Z	46 11.184	-0.0046	12	-40 31 57.52	-0.015	12	0.83	11.383	63	02.0	56.82	57	02.0	K0	CZ	2469	P -40 573
96	10.3E	9.6Z	46 11.215	0.0085	12	-49 56 49.08	0.051	12	0.70	10.832	45	05.0	51.40	45	05.0	G0	CZ	2476	P -50 642
97	9.5E	9.0Z	46 17.933	0.0051	12	-46 7 50.56	-0.010	12	0.64	17.683	28	01.3	50.09	26	01.3	F8	CZ	2475	P -46 484
98	9.8E	9.0Z	46 23.211	-0.0028	12	-41 58 40.17	-0.127	12	0.64	23.339	26	00.2	33.85	24	00.2	K0	CZ	2473D	P*-42 534
99	9.5E	9.3Z	46 23.392	-0.0028	12	-42 32 30.35	0.006	12	0.68	23.526	36	01.3	30.65	36	01.3	F2	CZ	2474	P -42 535
00	9.9E	9.9Z	46 23.397	0.0007	12	-40 4 6.55	0.010	12	0.66	23.360	28	99.5	7.03	26	99.5	F5	CZ	2472	P -40 574

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EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -40° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.1E	9.0Z	4 46 39.239	0.0002	12	-43 33 5.58	0.015	12	0.65	39.230	26	99.5	6.34	24	99.5	A2	CZ	2477	P -43 501
2	9.6E	9.0Z	46 45.102	-0.0006	12	-47 43 17.36	0.004	12	0.61	45.131	26	02.8	17.56	24	02.8	A2	CZ	2478	P -47 485
3	9.9E	9.1E	46 55.406	0.0021	12	-45 5 50.60	0.034	12	0.65	55.302	28	00.2	52.31	26	00.2	F2	CZ	2480	P -45 521
4		6.6T	47 1.366	0.0008	06	-44 3 59.39	0.031	05	0.25	1.333	12	12.4	0.74	12	06.8	G5	SC	5874	C -44 1720
5	10.2E	9.3Z	47 10.402	0.0022	12	-47 34 34.86	0.055	12	0.65	10.305	36	04.4	37.38	36	04.4	G0	CZ	2484	P -47 490
6		7.6T	47 13.275	-0.0015	09	-49 52 43.94	-0.018	08	0.41	13.339	15	07.0	43.10	14	04.6	G5	SC	5876	C -50 1512
7	9.2E	8.5Z	47 15.786	-0.0000	12	-42 6 41.75	0.011	12	0.73	15.784	45	01.0	42.29	45	01.0	F0	CZ	2482	P -42 530
8	9.1E	8.0Z	47 18.344	-0.0004	12	-49 15 20.91	0.011	12	0.63	18.459	31	03.0	21.41	28	03.0	A5	CZ	2487	P -49 581
9		8.1T	47 28.611	0.0160	17	-49 58 16.34	-0.003	13	0.77	27.854	22	02.7	16.16	21	97.6	F5	SC	5884K	C -50 1514
10	9.4E	9.5Z	47 30.194	-0.0027	12	-46 37 48.77	-0.011	12	0.72	30.323	45	02.5	48.26	45	02.5	F8	CZ	2490	P -46 487
11		7.5T	47 32.084	0.0017	17	-47 13 14.59	0.041	13	0.77	31.942	19	01.8	16.70	18	98.0	A0	SC	5886	C -47 1526
12		7.7T	47 35.144	-0.0009	11	-42 28 14.11	-0.005	11	0.63	35.191	15	96.5	13.84	15	93.6	A2	SC	5887	C -42 1637
13	8.9E	8.5Z	47 36.692	0.0029	12	-41 40 20.14	-0.017	12	0.65	36.546	28	00.2	19.29	26	00.2	K0	CZ	2488	P -41 575
14	9.7E	9.0Z	47 37.983	0.0006	12	-44 49 34.04	-0.001	12	0.68	37.955	31	98.7	34.00	28	98.7		CZ	2493	P -44 542
15	8.9E	8.5Z	47 40.396	0.0015	12	-42 28 2.76	0.006	12	0.73	40.320	45	01.0	3.07	45	01.0		CZ	2491	P -42 542
16		7.6T	47 44.933	-0.0021	12	-42 29 57.38	0.001	11	0.64	45.041	21	98.0	57.45	19	94.9	A0	SC	5890	C -42 1639
17	9.4E	9.3Z	47 51.682	0.0052	12	-43 25 19.97	0.005	12	0.74	51.424	45	00.0	20.22	45	00.0	F5	CZ	2497	P -43 505
18	10.0E	9.4N	47 52.738	0.0007	12	-49 54 52.37	0.030	12	0.70	52.706	45	05.0	53.75	45	05.0	F0	CZ	2504	P -50 652
19	9.4E	8.5Z	47 53.088	0.0010	12	-45 14 52.80	-0.006	12	0.74	53.049	45	00.0	52.52	45	00.0	K0	CZ	2498	P -45 522
20	11.9E	9.3Z	47 53.905	0.0009	12	-45 14 47.81	0.007	12	0.74	53.860	45	00.0	48.18	45	00.0	K0	CZ	2499	P -45 522
21		8.0T	47 54.509	0.0057	16	-42 2 48.03	-0.040	13	0.76	54.221	17	99.7	50.14	15	97.5		SC	5893	C -42 1640
22	9.4E	9.0Z	47 56.229	0.0009	12	-44 9 7.71	-0.015	12	0.75	58.185	45	99.0	6.95	45	99.0	F5	CZ	2502	P -44 543
23	8.8E	8.5Z	48 1.053	0.0032	12	-42 41 35.10	-0.018	12	0.66	0.891	28	99.7	34.21	26	99.7	K0	CZ	2501	P -42 545
24	10.4E	9.1Z	48 2.972	0.0006	12	-41 33 38.43	0.008	12	0.73	2.942	45	02.0	38.81	45	02.0	K0	CZ	2500	P -41 577
25		7.9T	48 5.314	0.0021	13	-41 56 20.48	0.008	10	0.65	5.204	19	98.4	20.93	21	95.6	K2	SC	5901	C -42 1642
26	9.5E	8.7Z	48 9.980	-0.0011	12	-45 5 26.62	-0.005	12	0.74	10.034	45	00.0	26.39	45	00.0	K0	CZ	2505	P -45 523
27	8.7E	8.0Z	48 25.167	-0.0008	12	-48 23 46.58	0.016	12	0.63	25.207	31	03.0	47.34	28	03.0	G5	CZ	2509	P -48 549
28	9.5E	9.0Z	48 33.864	0.0020	12	-41 40 26.46	-0.025	12	0.73	33.767	45	02.0	25.26	45	02.0	F5	CZ	2506	P -41 580
29	10.7E	9.4H	48 34.968	-0.0001	12	-48 50 6.50	0.004	12	0.63	34.974	31	03.0	6.67	28	03.0	F5	CZ	2511	P -48 551
30	11.6E	8.6H	48 37.155	-0.0014	12	-41 24 23.08	0.012	12	0.73	37.222	45	02.0	23.68	45	02.0	F0	CZ	2507	P -41 581
31	9.6E	8.5Z	48 37.832	-0.0011	12	-46 15 45.20	-0.013	12	0.72	37.887	45	02.5	44.60	45	02.5	K0	CZ	2510	P -46 493
32		6.0T	48 38.539	-0.0002	06	-41 24 21.87	0.066	05	0.27	38.547	12	05.4	25.23	12	98.9	F0	SC	5913K	C -41 1593
33	9.5E	8.5Z	48 57.028	0.0029	12	-41 7 57.12	0.066	12	0.65	56.883	28	00.4	0.42	26	00.4	G5	CZ	2512	P -41 582
34	9.8E	8.8E	49 9.163	-0.0007	12	-46 8 58.67	0.012	12	0.65	9.220	31	01.0	59.27	28	01.0	F0	CZ	2514	P -46 496
35	8.3E	7.6Z	49 11.827	0.0002	12	-45 45 8.19	0.028	12	0.67	11.820	31	99.3	9.63	28	99.3	F5	CZ	2515	P -45 528
36	10.2E	9.7Z	49 17.654	0.0011	12	-44 28 18.74	0.028	12	0.75	17.596	45	99.0	20.18	45	99.0		CZ	2517	P -44 549
37	10.2E	9.3H	49 18.551	-0.0013	12	-43 36 51.67	0.014	12	0.66	18.619	28	99.1	52.39	26	99.1		CZ	2516	P -43 511
38	9.7E	9.0Z	49 32.814	0.0004	12	-43 57 33.52	0.019	12	0.75	32.693	45	99.0	34.49	45	99.0	F0	CZ	2519	P -44 550
39	9.8E	9.1N	49 32.897	-0.0003	12	-45 0 33.50	0.030	12	0.67	32.911	31	99.3	35.03	28	99.3	F0	CZ	25200	P -45 529
40	9.4E	8.0Z	49 37.930	0.0014	12	-44 21 49.96	0.055	12	0.68	37.860	31	98.9	52.78	28	98.9	K0	CZ	2522	P -44 551
41	8.5E	7.5Z	49 38.678	0.0028	12	-43 8 8.90	0.070	12	0.74	38.536	45	00.0	12.41	45	00.0	F8	CZ	2521	P -43 512
42	9.3E	8.0Z	49 47.970	-0.0008	12	-48 8 44.68	0.006	12	0.63	48.009	31	03.0	44.97	28	03.0	K0	CZ	2524	P -48 555
43	9.4E	9.2Z	49 53.148	-0.0026	12	-40 29 48.92	0.002	12	0.66	53.288	28	99.5	48.99	26	99.5	F0	CZ	2523	P -40 586
44	9.8E	7.9H	50 8.722	-0.0026	12	-49 28 45.13	0.081	12	0.63	8.846	31	03.0	48.96	28	03.0	G0	CZ	2526	P -49 587
45	9.7E	9.5Z	50 10.076	-0.0012	12	-46 49 31.57	0.014	12	0.65	10.139	31	01.0	32.27	28	01.0	F2	CZ	2525	P -46 499
46	9.8E	9.5Z	50 18.308	0.0040	12	-47 11 29.39	0.140	12	0.71	18.126	45	04.0	35.84	45	04.0	F8	CZ	2529	P -47 495
47	9.8E	8.5Z	50 27.697	-0.0002	12	-42 50 26.16	0.021	12	0.73	27.705	45	01.0	27.21	45	01.0	K5	CZ	2528	P -42 549
48	10.0E	9.0Z	50 31.430	0.0018	12	-43 22 4.48	-0.002	12	0.74	31.339	45	00.0	4.40	45	00.0	F8	CZ	2531	P -43 513
49	10.4E	8.5Z	50 35.338	0.0000	12	-41 5 14.68	0.007	12	0.65	35.337	28	00.3	15.05	26	00.3	MA	CZ	2530	P -41 587
50		7.1T	50 36.416	-0.0024	15	-46 56 3.24	0.005	10	0.68	36.533	17	00.8	3.48	18	96.6	G5	SC	5958	C -47 1546
51	9.4E	7.5Z	4 51 1.268	0.0021	12	-43 8 34.39	0.058	12	0.66	1.159	28	99.0	37.36	26	99.0	MA	CZ	2534	P -43 514
52	9.9E	8.9E	51 6.273	-0.0007	12	-47 37 54.24	0.013	12	0.63	6.307	28	02.3	54.67	26	02.3	G0	CZ	2535	P -47 498
53	10.1E	9.3H	51 13.595	-0.0009	12	-48 42 40.15	0.014	12	0.63	13.638	31	03.0	40.79	28	03.0	G5	CZ	2536	P -48 556
54	9.9E	9.0Z	51 29.930	0.0061	12	-46 42 51.56	-0.023	12	0.67	29.643	36	02.7	50.48	36	02.7	G5	CZ	2538	P -46 502
55	9.7E	8.8E	51 33.005	0.0011	12	-44 38 43.08	0.022	12	0.66	32.952	28	99.5	44.20	26	99.5	K5	CZ	2537	P -44 559
56	11.0E	9.5E	52 19.966	-0.0021	12	-45 8 54.96	0.008	12	0.66	20.070	31	00.7	55.37	28	00.7		CZ	2540	P -45 533
57	9.8E	8.5Z	52 20.499	-0.0002	12	-43 5 38.23	0.013	12	0.65	20.507	28	00.9	38.88	26	00.9	K0	CZ	2539	P -43 516
58	9.9E	8.5Z	52 28.122	0.0012	12	-42 28 26.78	0.053	12	0.64	28.062	28	01.6	29.36	26	01.6	G0	CZ	2541	P -42 556
59	10.0E	9.4H	52 37.220	-0.0099	12	-40 11 58.01	-0.002	12	0.66	37.718	28	99.6	57.93	26	99.6		CZ	2542	P -40 592
60	10.3E	9.3Z	52 46.431	-0.0005	12	-42 34 28.54	0.041	12	0.71	46.452	45	03.9	30.44	45	03.9	G	CZ	2543	P -42 559
61	10.3E	9.3Z	53 1.671	0.0013	12	-43 26 49.60	0.008	12	0.72	1.611	45	03.0	49.98	45	03.0		CZ	2544	P -43 517
62	10.2E	8.5Z	53 10.907	-0.0004	12	-41 46 15.45	0.020	12	0.64	10.925	26	00.3	16.45	24	00.3	K5	CZ	2545	P -41 593
63	10.1E	9.0Z	53 19.610	-0.0009	12	-46 26 47.35	0.020	12	0.65	19.651	31	01.0	48.34	28	01.0	F0	CZ	2548	P -46 504
64	9.9E	8.0Z	53 26.897	-0.0004	12	-41 8 35.78	-0.012	12	0.65	26.916	28	00.3	35.21	26	00.3	K5	CZ	2546	P -41 595
65	9.8E	8.2Z	53 41.006	-0.0015	12	-40 53 40.65	0.019	12	0.83	41.076	63	02.0	41.59	57	02.0	K5	CZ	2549	P -41 597
66	10.2E	9.1Z	54 10.554	0.0006	12	-41 9 7.54	0.053	12	0.73	10.524	45	02.0	10.06	45	02.0	G	CZ	2551	P -41 599
67	9.4E	9.0Z	54 20.808	-0.0022	12	-41 30 55.17	0.003	12	0.73	20.912	45	02.0	55.31	45	02.0	A5	CZ	2553	P -41 600
68	10.4E	9.7H	54 42.396	0.0002	12	-48 5 20.44	0.003	12	0.63	42.388	31	03.0	20.59	28	03.0	A5	CZ	2554	P -48 563
69	9.7E	7.5Z	55 1.970	-0.0002	12	-43 30 34.30	-0.002	12	0.65	1.981	28	00.7	34.20	26	00.7	K5	CZ	2555	P -43 522
70	9.0E	8.5Z	55 6.531	0.0005	12	-42 50 21.38	0.090	12	0.64	6.505	28	01.6	22.85	26	01.6	G0	CZ	2556	P -42 568
71	9.7E	8.0Z	55 17.641	-0.0006	12	-46 36 40.57	-0.018	12	0.65	17.671	31	01.0	39.70	28	01.0	K0	CZ	2561	P -46 510
72		7.9T	55 19.485	0.0048	15	-44 16 11.26	0.009	13	0.73	19.250	17	00.8	11.74	18	98.5	K0	SC	6051	C -44 1792
73		8.7T	55 21.665	-0.0010	17	-49 55 23.74	0.012	13	0.78	21.713	19	02.0	24.32	18	99.6	F0	SC	6053	C -50 1565
74		8.0T	55 22.824	0.0019	14	-42 3 38.00	0.011	12	0.70	22.727	18	99.7	38.60	17	96.7	A2	SC	6054	C -42 1695
75	9.4E	9.5Z	55 24.095	-0.0001	12	-48 30 28.79	0.084	12	0.61	24.101	28	03.8	32.65	26	03.8	F0	CZ	2562	P -48 564
76	9.4E	8.9Z	55 34.525	0.0009	12	-46 46 50.16	0.027	12	0.65	34.482	31	01.1	51.49	28	01.1	F8	CZ	2564	P -46 513
77	9.8E	9.0Z	55 42.786	-0.0003	12	-43 32 28.44	0.015	12	0.72	42.781	45	03.0	29.15	45	03.0	F8	CZ	2565	P -43 523
78	9.0E	9.0Z	55 52.136	0.0003	12	-49 2 56.68	-0.015	12	0.63	52.125	31	03.1	55.97	28	03.1	G5	CZ	2568	P -49 600
79	9.3E	8.5Z	55 58.928	-0.0020	12	-49 41 45.53	0.008	12	0.70	59.017	45	05.0	45.92	45	05.0	F5	CZ	2573	P -49 601
80	10.7E	9.3H	56 5.312	-0.0067	12	-45 50 31.07	-0.004	12	0.65	5.647	28	00.4	30.89	26	00.4		CZ	2572	P -45 538
81	9.8E	9.8Z	56 5.370	-0.0012	12	-44 23 27.06	-0.017	12	0.69	5.431	36	00.4	27.91	36	00.4	G0	CZ	2570	P -44 570
82	7.8E	8.5Z	56 6.676	-0.0008	12	-43 6 25.96	-0.054	12	0.68	6.251	36	01.7	23.35	36	01.7	A0	CZ	2569	P -43 525
83	9.7E	8.5Z	56 11.583	-0.0001	12	-42 25 38.13	0.004	12	0.65	11.387	28	01.7	38.32	24	01.7	K0	CZ	2571	P -42 570
84	9.0E	9.0Z	56 14.049	0.0023	12	-47 20 53.67	0.015	12	0.82	13.943	28	03.0	34.30	26	03.0	F0	CZ	2575	P -47 507
85	9.9E	9.7Z	56 19.521	0.0033	12	-44 42 18.26	0.031	12	0.89	19.359	36	00.4	19.81	36	00.4	A2	CZ	2574	P -44 571
86	9.4E	9.0Z	56 24.330	-0.0013	12	-45 13 24.75	0.012	12	0.65	24.394	28	00.3	25.36	26	00.3	K2	CZ	2578	P -45 541
87	9.3E	8.5Z	56 31.290	0.0000	12	-41 37 27.66	-0.021	12	0.64	31.288	26	00.7	26.65	24	00.7	K0	CZ	2577	P -41 604
88	9.4E	9.5Z	56 32.987	-0.0016	12	-40 37 41.33	0.160	12	0.83	33.062	63	02.0	49.00	57	02.0	G0	CZ	2576	P -40 603
89	9.2E	9.3E	56 50.315	-0.0002	12	-44 54 12.39	0.004	12	0.69	50.327	36	00.4	12.59	36	00.4	K0	CZ	2580	P -45 542
90	9.3E	8.8Z	56 53.824	-0.0018	12	-40 58 55.02	0.005	12	0.68	53.909	36	02.0	55.28	36	02.0	K5	CZ	2579	P -41 606
91	8.4E	8.0Z	56 55.137	0.0006	12	-44 39 8.25	0.019	12	0.65	55.110	28	99.9	9.21	26	99.9	F0	CZ	2581	P -44 572
92	10.4E	9.8E	57 2.430	0.0007	12	-44 7 3.83	0.007	12	0.65	2.396	28	99.9	4.19	26	99.9		CZ	2583	P -44 573
93	8.1E	7.8Z	57 20.094	-0.0011	12	-45 21 54.07	0.028	12	0.74	20.148	45	00.5	55.47	45	00.5	A0	CZ	2586	P -45 543
94	9.2E	9.2Z	57 20.848	-0.0024	12	-41 0 20.57	0.007	12	0.73	20.962	45	02.0	20.88	45	02.0	F5	CZ	2584	P -41 609
95	9.7E	9.0Z	57 22.002	-0.0009	12	-47 23 47.89	0.030	12	0.70	22.027	45	04.5	49.27	45	04.5	G5	CZ	2590	P -47 512
96	9.8E	9.0H	57 22.896	0.0001	12	-44 45 5.32	0.029	12	0.74	22.893	45	00.5	6.77	45	00.5	K0	CZ	2588	P -44 574
97	9.1E	7.9Z	57 23.690	0.0033	12	-43 48 7.06	0.071	12	0.72	23.535	45	02.5	10.43	45	02.5	F8	CZ	2585	P -43 526
98	9.8E	8.0Z	57 24.733	-0.0006	12	-43 36 56.94	0.014	12	0.72	24.783	45	02.5	57.61	45	02.5	F5	CZ	2587	P -43 527
99	8.8E	7.5Z	57 27.520	-0.0017	12	-43 27 57.15	-0.035	12	0.72	27.602	45	02.5	57.50	45	02.5	F5	CZ	2589	P -43 528
00	9.3E	8.6H	57 42.593	0.0080	12	-49 48 34.03	-0.024	12	0.70	42.282	45	05.0	32.97	45	05.0	F8	CZ	2591	P -49 610

217100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 4H DM NUMBER
1		7.3Q	4 58 11.204	0.0011	08	-49 31 53.24	0.002	07	0.36	11.157	15	07.1	53.32	15	03.0	F0	GC	6116K	C*-49 1511
2		8.9B	58 12.080	0.0008	16	-49 31 56.37	0.014	16	0.84	12.043	24	03.9	57.03	22	01.8		GC	6118K	C -49 1511
3	9.1E	8.2Z	58 22.421	-0.0020	12	-49 11 48.88	0.010	12	0.63	22.516	31	03.0	49.33	28	03.0	G5	CZ	2598	P -49 612
4	9.1E	8.5Z	58 27.692	-0.0003	12	-49 22 0.64	0.064	12	0.72	27.704	45	02.5	3.69	45	02.5	F5	CZ	2596	P -49 531
5	9.8E	8.4Z	58 30.255	-0.0009	12	-49 33 44.86	-0.021	12	0.71	30.294	45	04.0	43.91	45	04.0	K0	CZ	2597	P -42 575
6		8.1T	58 30.289	0.0022	09	-41 7 15.76	0.009	08	0.41	30.189	12	04.9	16.16	14	04.1	A2	GC	6126	C -41 1660
7	10.0E	9.5Z	58 46.862	-0.0009	12	-40 9 53.89	0.024	12	0.83	46.905	63	02.0	55.07	57	02.0	G5	CZ	2599	P -40 615
8	9.7E	9.2*	58 48.997	0.0001	12	-49 58 27.62	0.005	12	0.63	48.992	31	03.0	27.88	28	03.0	A5	CZ	2600	P -50 694
9	9.8E	9.0Z	58 57.226	0.0000	12	-48 28 29.36	-0.001	12	0.69	57.224	45	05.5	29.30	45	05.5	K0	CZ	2602	P -48 575
10	9.6E	8.5Z	59 9.360	0.0031	12	-48 41 16.45	0.003	12	0.63	9.237	31	03.4	16.57	28	03.4	F8	CZ	2607	P -48 576
11	9.6E	8.8Z	59 9.789	-0.0000	12	-46 43 41.28	-0.038	12	0.67	9.791	31	00.0	39.40	28	00.0	G0	CZ	2605	P -46 518
12	10.7E	9.3Z	59 12.361	-0.0005	12	-43 32 20.78	0.010	12	0.72	12.386	45	02.5	21.26	45	02.5		CZ	2604	P -43 533
13	9.9E	9.0Z	59 14.067	0.0006	12	-41 5 26.51	0.015	12	0.65	14.036	28	00.3	27.23	26	00.3	G5	CZ	2603	P -41 612
14	9.2E	8.0Z	59 20.843	-0.0024	12	-42 4 29.75	0.005	12	0.64	20.958	28	01.7	29.99	26	01.7	MA	CZ	2606	P -42 579
15	9.3E	8.0*	59 22.821	0.0012	12	-47 40 32.31	-0.021	12	0.64	22.785	31	02.3	31.32	28	02.3	K2	CZ	2609	P -47 518
16	9.8E	10.0Z	59 25.888	-0.0019	12	-49 26 54.63	0.015	12	0.70	25.975	45	05.0	55.32	45	05.0	A2	CZ	2611	P -49 617
17	9.1E	8.7M	59 26.226	-0.0012	12	-44 53 4.09	-0.009	12	0.67	25.289	31	99.7	3.65	28	99.7	A3	CZ	2608	P -44 583
18	10.1E	9.5Z	59 29.186	-0.0053	12	-46 28 55.42	-0.024	12	0.73	29.443	45	01.1	54.28	45	01.1	F5	CZ	2610	P -46 519
19	11.1E	10.2M	59 40.502	-0.0005	12	-48 16 50.94	0.015	12	0.69	40.526	45	05.5	51.61	45	05.5	F8	CZ	2613	P -48 577
20	9.5E	9.0Z	59 41.114	0.0012	12	-48 16 59.02	0.007	12	0.63	41.060	31	03.3	59.36	28	03.3	F8	CZ	2614	P -48 577
21		8.7T	59 48.320	-0.0032	18	-46 0 29.45	-0.000	13	0.79	48.468	19	03.8	29.43	21	00.3	A0	GC	6154	C -46 1665
22	10.0E	9.3Z	59 55.750	-0.0011	12	-46 5 38.25	0.008	12	0.66	55.782	31	00.2	38.67	28	00.2	A2	CZ	2616	P -46 522
23	10.3E	8.6*	5 0 4.454	0.0010	12	-47 10 9.66	0.004	12	0.64	4.409	31	02.5	9.87	28	02.5	K0	CZ	2618	P -47 521
24		8.0T	0 6.713	0.0015	20	-44 54 1.90	-0.083	22	0.97	6.646	24	05.2	58.26	24	05.9	G5	GC	6159	C -45 1772
25	9.5E	8.2H	0 8.805	0.0006	12	-49 38 52.74	-0.009	12	0.70	8.777	45	05.0	52.35	45	05.0	K0	CZ	2620	P -49 620
26	9.9E	9.5Z	0 13.055	-0.0024	12	-45 43 28.14	-0.026	12	0.74	13.171	45	00.5	26.87	45	00.5		CZ	2619	P -45 547
27	10.0E	9.0Z	0 21.284	-0.0019	12	-49 7 3.87	0.025	12	0.70	21.371	45	05.0	4.98	45	05.0	G5	CZ	2622	P -49 622
28	9.8E	9.0Z	0 25.306	-0.0030	12	-43 4 27.50	-0.033	12	0.72	25.445	45	02.5	25.95	45	02.5		CZ	2621	P -43 535
29	9.7E	9.3Z	0 30.949	-0.0001	12	-49 40 52.82	0.023	12	0.63	30.953	31	03.0	53.92	28	03.0	A3	CZ	2625	P -49 624
30	8.1E	7.8Z	0 36.019	-0.0021	12	-45 40 11.56	0.016	12	0.67	36.127	31	99.7	12.38	28	99.7	A0	CZ	2624	P -45 549
31	10.1E	9.5Z	0 47.728	-0.0002	12	-40 9 15.69	0.005	12	0.66	47.737	28	99.2	15.97	26	99.2	K0	CZ	2623	P -40 619
32	10.3E	9.5*	0 54.456	0.0001	12	-43 34 37.32	0.027	12	0.65	54.452	28	00.7	38.66	26	00.7	A0	CZ	2626	P -43 537
33	9.4E	8.8Z	0 56.461	-0.0007	12	-46 35 25.16	0.037	12	0.65	56.497	28	00.7	26.99	26	00.7	F5	CZ	2628	P -46 524
34	9.8E	9.8Z	0 57.104	-0.0021	12	-49 4 18.46	0.048	12	0.70	57.200	45	05.0	20.60	45	05.0	F2	CZ	2629	P -49 628
35	10.5E	9.5*	1 5.729	-0.0011	12	-40 27 21.02	0.022	12	0.68	5.784	31	99.5	22.15	31	99.5		CZ	2627	P -40 622
36		8.0T	1 21.026	0.0018	17	-41 40 39.63	0.023	13	0.76	20.938	19	01.9	40.80	18	99.6	K2	GC	6181	C -41 1681
37	11.0E	9.5Z	1 26.321	-0.0011	12	-43 15 16.29	-0.007	12	0.64	26.374	26	00.6	15.96	24	00.6		CZ	2633	P -43 538
38		6.9T	1 27.622	-0.0007	13	-42 34 2.05	-0.029	12	0.68	27.655	15	99.4	0.51	17	97.8	M0	GC	6184	C -42 1736
39	9.3E	8.5M	1 28.412	-0.0004	12	-44 53 16.43	0.004	12	0.70	28.430	36	00.0	16.65	36	00.0	K0	CZ	2636	P -44 585
40		5.4T	1 30.064	-0.0051	06	-49 13 16.97	0.026	05	0.25	30.289	09	06.3	18.19	09	02.8	F5	GC	6185	C*-49 1541
41	9.5E	8.5Z	1 33.499	-0.0036	12	-41 47 24.73	-0.019	12	0.68	33.670	36	02.0	23.81	36	02.0	A2	CZ	2634	P -41 618
42	10.4E	9.0Z	1 34.950	-0.0003	12	-41 24 38.46	0.008	12	0.64	34.964	26	00.9	38.87	24	00.9	G	CZ	2635	P -41 619
43	10.2E	9.5Z	1 38.523	0.0002	12	-45 36 29.92	0.005	12	0.66	38.511	28	99.5	30.17	26	99.5	F8	CZ	2640	P -45 556
44		7.3T	1 38.829	-0.0054	14	-49 46 25.23	0.073	11	0.65	39.093	18	01.1	28.84	18	00.2	K0	GC	6189	C -49 1543
45	11.6E	10.5M	1 40.094	-0.0016	12	-45 36 24.33	0.007	12	0.70	40.172	36	00.0	24.68	36	00.0	F8	CZ	2641	P -45 556
46	9.5E	9.2Z	1 41.835	0.0015	12	-42 2 4.14	-0.011	12	0.67	41.763	36	02.7	3.60	36	02.7	G0	CZ	2639	P -42 585
47	9.8E	9.2Z	1 46.377	-0.0013	12	-42 29 8.39	0.011	12	0.67	46.438	36	02.7	8.91	36	02.7		CZ	2643	P -42 586
48	9.9E	9.4Z	1 47.585	0.0005	12	-47 58 57.37	0.023	12	0.66	47.560	36	04.0	51.43	36	04.0	G0	CZ	2646	P -47 524
49	10.1E	9.0Z	1 50.855	-0.0017	12	-49 42 58.40	0.023	12	0.71	50.934	45	04.0	59.46	45	04.0	G5	CZ	2647	P -49 635
50		7.2T	1 57.788	0.0020	11	-49 33 42.81	0.014	09	0.58	57.679	21	95.5	43.61	18	90.7	K0	GC	6201	C -49 1547
51	9.8E	8.5Z	5 2 5.869	-0.0020	12	-45 53 16.53	0.046	12	0.70	5.966	36	00.0	18.83	36	00.0	G5	CZ	2649	P -45 557
52	9.5E	8.5Z	2 14.640	-0.0003	12	-40 40 31.13	-0.044	12	0.66	14.654	28	99.5	28.92	26	99.5	G0	CZ	2648	P -40 625
53		6.3T	2 18.018	0.0016	09	-41 48 56.25	0.153	07	0.48	17.932	21	96.7	+ 5.00	17	92.9	F8	GC	6204	C*-41 1690
54	10.1E	9.0*	2 29.617	0.0005	12	-46 22 45.24	0.040	12	0.67	29.590	31	00.0	47.24	28	00.0	A3	CZ	2654	P -46 526
55	9.8E	9.5Z	2 30.873	-0.0017	12	-47 39 16.53	0.001	12	0.64	30.952	31	02.3	16.58	28	02.3	A3	CZ	2656	P -47 525
56		8.2T	2 31.369	-0.0015	11	-45 16 36.54	0.005	09	0.44	31.428	15	09.6	36.78	15	06.5	A3	GC	6210	C -45 1795
57	9.8E	9.0Z	2 43.722	-0.0013	12	-40 37 28.20	-0.028	12	0.83	43.783	63	02.1	28.87	57	02.1	F5	CZ	2655	P -40 627
58	10.4E	9.3H	3 3.709	-0.0016	12	-45 0 55.19	-0.001	12	0.75	3.791	45	99.1	55.14	45	99.1	K2	CZ	2658	P -45 559
59		7.7T	3 5.798	-0.0004	17	-49 40 47.85	0.047	13	0.74	5.816	24	04.8	50.08	24	02.1	A5	GC	6227	C -49 1556
60	10.3E	9.0*	3 11.873	0.0001	12	-40 10 54.08	-0.011	12	0.67	11.867	31	99.5	53.54	28	99.5	K2	CZ	2657	P -40 628
61	8.6E	8.5Z	3 16.374	0.0013	12	-40 38 18.34	0.040	12	0.83	16.311	63	02.1	20.27	57	02.1	G0	CZ	26590	P*-40 630
62	10.1E	8.5Z	3 18.555	-0.0011	12	-44 14 4.89	0.006	12	0.75	18.613	45	99.1	5.18	45	99.1	K2	CZ	2660	P -44 588
63	10.3E	9.0Z	3 24.227	0.0006	12	-44 30 42.18	-0.023	12	0.68	24.194	31	98.7	40.99	28	98.7	A3	CZ	2662	P -44 591
64		4.9H	3 40.155	0.0064	03	-49 38 41.40	-0.001	03	0.12	39.928	06	14.9	41.36	06	16.6	K5	F4	187	C -49 1562
65	10.0E	9.4Z	3 47.167	-0.0039	12	-42 34 18.35	-0.006	12	0.73	47.356	45	01.0	18.06	45	01.0	F5	CZ	2663	P -42 592
66	10.4E	9.5H	3 52.782	0.0043	12	-45 1 45.59	-0.057	12	0.75	52.563	45	99.1	42.69	45	99.1	K0	CZ	2667	P -45 563
67	9.9E	8.5Z	3 54.355	-0.0017	12	-42 11 28.11	-0.031	12	0.73	54.458	45	01.0	26.58	45	01.0	K0	CZ	2664	P -42 593
68	9.2E	8.5Z	3 56.578	-0.0051	12	-42 3 14.42	0.015	12	0.73	56.826	45	01.0	15.14	45	01.0	F5	CZ	2665	P -42 594
69	10.7E	9.0Z	4 6.363	0.0000	12	-47 10 43.30	-0.020	12	0.64	6.361	31	02.3	42.35	28	02.3	K0	CZ	2668	P -47 528
70	10.0E	9.5Z	4 13.403	-0.0009	12	-49 0 37.38	-0.014	12	0.71	13.443	45	04.0	36.75	45	04.0	F0	CZ	2673	P -49 646
71	10.7E	9.0Z	4 16.491	-0.0004	12	-42 42 10.48	0.005	12	0.66	16.510	28	99.6	10.74	26	99.6	K2	CZ	2669	P -42 597
72	9.7E	9.3Z	4 19.832	-0.0006	12	-47 51 30.51	0.025	12	0.64	19.859	31	02.3	31.70	28	02.3	A0	CZ	2675	P -47 529
73	11.4E	9.8*	4 20.259	-0.0003	12	-43 44 54.67	-0.005	12	0.67	20.277	28	98.7	54.40	26	98.7		CZ	2671	P -43 545
74	10.2E	9.3Z	4 21.019	-0.0017	12	-42 30 1.81	-0.079	12	0.73	21.100	45	01.0	-57.94	45	01.0	F2	CZ	2670	P -42 598
75		7.8T	4 24.651	0.0008	13	-44 50 41.48	-0.009	12	0.67	24.613	18	01.1	41.03	21	97.8	K0	GC	6251	C -44 1860
76	10.0E	8.6Z	4 30.593	-0.0009	12	-41 30 26.09	-0.006	12	0.73	30.635	45	02.1	25.79	45	02.1	G5	CZ	2672	P -41 628
77	9.9E	8.0Z	4 35.746	0.0003	12	-48 44 38.38	0.013	12	0.64	35.730	31	02.7	39.01	28	02.7	K5	CZ	2677	P -48 594
78	8.5E	8.5Z	5 2.275	-0.0001	12	-41 50 2.47	0.022	12	0.65	2.278	28	00.4	3.55	26	00.4	A0	CZ	2678	P -41 631
79	9.6E	9.0Z	5 13.080	-0.0003	12	-42 0 6.16	0.016	12	0.73	13.094	45	01.0	6.93	45	01.0	K0	CZ	2679	P -42 603
80	9.7E	8.8*	5 15.018	0.0062	12	-41 13 13.10	-0.083	12	0.65	14.710	28	00.3	8.98	26	00.3	F8	CZ	2680	P -41 632
81	9.8E	9.1Z	5 37.400	-0.0010	12	-49 55 8.90	0.015	12	0.71	37.447	45	04.0	9.60	45	04.0		CZ	2686	P -50 715
82	10.7E	9.5Z	5 40.535	-0.0019	12	-45 32 35.77	0.006	12	0.75	40.630	45	99.1	36.08	45	99.1		CZ	2682	P -45 566
83	8.9E	8.8Z	5 49.656	-0.0025	12	-42 14 14.21	-0.007	12	0.66	49.781	28	99.6	13.85	26	99.6	A2	CZ	2684	P -42 604
84	9.8E	8.5Z	5 54.866	-0.0005	12	-41 55 46.63	0.014	12	0.73	54.889	45	02.1	47.28	45	02.1	K0	CZ	2685	P -42 605
85		7.1H	5 56.896	0.0011	05	-44 53 9.94	0.016	05	0.20	56.855	10	14.1	10.46	09	17.6	A0	F4	1143	C -44 1873
86	10.1E	8.0Z	6 8.062	-0.0000	12	-44 2 2.00	0.013	12	0.67	8.064	28	98.8	2.65	26	98.8	K5	CZ	2688	P -44 602
87	10.6E	9.5*	6 10.709	-0.0023	12	-48 8 24.05	-0.010	12	0.62	10.815	28	02.8	23.97	26	02.8		CZ	2693	P -48 600
88	10.8E	9.0Z	6 11.006	-0.0002	12	-45 38 14.97	0.021	12	0.71	11.016	36	99.1	16.04	36	99.1		CZ	2690	P -45 568
89	9.8E	9.6Z	6 12.037	-0.0017	12	-42 17 42.40	-0.032	12	0.68	12.119	36	01.3	40.83	36	01.3	G0	CZ	2689	P -42 606
90	9.4E	9.5Z	6 14.154	-0.0016	12	-45 49 49.48	0.002	12	0.67	14.234	28	98.9	49.59	26	98.9	A0	CZ	2692	P -45 570
91	10.3E	9.5*	6 16.715	-0.0015	12	-43 15 6.07	-0.025	12	0.67	16.790	28	98.8	4.79	26	98.8	F5	CZ	2691	P -43 550
92	10.5E	9.1*	6 23.090	-0.0004	12	-46 49 18.93	-0.182	12	0.65	23.108	28	99.9	9.81	26	99.9		CZ	2694	P -46 533
93	9.4E	9.0Z	6 27.656	0.0036	12	-46 20 5.46	0.110	12	0.65	27.474	28	99.9	10.96	26	99.9	G0	CZ	2695	P -46 534
94	11.8E	9.5Z	6 46.303	0.0009	12	-44 53 1.98	0.103	12	0.71	46.256	36	99.1	7.23	36	99.1		CZ	2700D	P -44 604
95	11.5E	9.2Z	6 47.016	0.0001	12	-44 52 55.58	0.106	12	0.71	47.009	36	99.1	0.98	36	99.1		CZ	2701D	P -44 604
96	7.8E	7.5Z	6 48.798	0.0026	12	-49 21 38.31	0.022	12	0.64	48.676	31	02.4	39.38	28	02.4	A0	CZ	2702	P -49 649
97		8.0T	6 49.138	-0.0011	14	-40 58 33.30	-0.005	14	0.73	49.192	18	00.1	33.04	18	00.2	B9	GC	6305	C -41 1724
98		6.6T	6 53.576	-0.0072	08	-41 16 50.56	0.284	05	0.26	53.880	10	07.7	+ 3.61	10	04.0	G0	GC	6307K	C*-41 1727
99	9.6E	9.3H	7 3.279	-0.0002	12	-49 49 4.47	-0.002	12	0.64	3.290	31	02.4	4.37	28	02.4	A0	CZ	2704	P -49 650
00	10.5E	9.5Z	7 4.131	-0.0062	12	-45 27 58.91	-0.055	12	0.71	4.445	36	99.1	56.11	36	99.1		CZ	2703	P -45 572

217200			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-40° 5H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1		7.7T	5 7 32.513	-0.0009	14	-42 4 49.76	-0.038	13	0.72	32.557	17	00.0	47.78	17	97.9	FD	GC	6324	C -42 1794		
2	9.4E	9.0Z	7 32.718	-0.0019	12	-42 33 18.12	-0.017	12	0.71	32.807	45	04.0	17.34	45	04.0	FD	CZ	2706	P -42 611		
3	9.4E	9.3Z	7 31.354	-0.0033	12	-42 39 48.82	-0.001	12	0.65	31.519	28	99.6	48.77	24	99.6	FD	CZ	2707	P -42 611		
4		7.3T	7 33.085	0.0020	08	-43 2 30.20	-0.020	07	0.38	33.801	15	08.9	29.29	15	05.2	KD	GC	6333	C -43 1590		
5		7.6T	8 9.619	0.0006	08	-44 23 53.77	0.106	06	0.36	9.594	15	07.7	58.94	15	01.4	F2	GC	6337	C -44 1883		
6	10.1E	8.6P	8 18.720	-0.0006	12	-45 27 44.45	0.030	12	0.68	18.748	31	98.7	45.99	28	98.7	K2	CZ	2711	P -45 574		
7	8.4E	8.3M	8 20.735	-0.0017	12	-44 36 7.56	-0.012	12	0.73	20.819	45	99.1	6.84	45	99.1	A5	CZ	2712	P -45 575		
8		6.8T	8 24.612	0.0030	18	-40 37 15.06	0.030	14	0.81	24.473	21	05.9	16.55	19	99.8	K2	GC	6342	C -40 1765		
9	9.3E	9.2Z	8 29.525	-0.0014	12	-43 28 47.10	0.005	12	0.71	29.588	45	04.0	47.35	45	04.0	A5	CZ	2715D	P*-43 658		
10	10.0E	9.3Z	8 37.049	0.0018	12	-44 44 15.29	0.041	12	0.73	36.959	45	01.0	17.30	45	01.0	F5	CZ	2716	P -44 539		
11	10.3E	9.1*	8 40.191	-0.0049	12	-47 29 18.84	-0.041	12	0.65	40.428	31	01.3	16.24	28	01.3	G5	CZ	2721	P -47 536		
12	9.3E	9.1M	8 41.988	0.0001	12	-44 55 15.76	-0.008	12	0.75	41.979	45	99.1	15.34	45	99.1	B8	CZ	2717	P -45 577		
13	9.3E	9.0Z	8 46.598	0.0002	12	-41 39 5.13	0.035	12	0.65	46.587	28	00.3	7.84	28	00.3	F5	CZ	2714	P -41 643		
14	10.6E	8.9Z	8 47.916	0.0009	12	-44 8 37.86	0.005	12	0.75	47.872	45	99.1	38.10	45	99.1		CZ	2720	P -44 611		
15	10.2E	10.0Z	8 52.945	-0.0005	12	-41 5 21.34	0.002	12	0.83	52.968	28	00.4	21.45	28	00.4	K0	CZ	2719	P -41 644		
16	9.8E	8.8M	8 58.919	-0.0038	12	-47 4 0.34	0.034	12	0.65	59.102	31	01.3	1.99	28	01.3	F5	CZ	2723	P -47 537		
17	10.1E	9.2M	9 7.810	-0.0006	12	-46 18 43.25	0.034	12	0.66	7.838	31	00.3	44.94	28	00.3	G	CZ	2726	P -46 540		
18		8.6T	9 13.140	0.0069	22	-44 38 3.43	0.202	22	1.04	12.827	21	04.6	12.62	21	04.6	G5	GC	6363	C -44 1905		
19	9.5E	8.6Z	9 13.983	-0.0033	12	-42 28 47.04	-0.031	12	0.73	14.144	45	01.0	45.52	45	01.0	K0	CZ	2724	P -42 613		
20	10.3E	8.0Z	9 22.704	0.0003	12	-44 38 42.16	0.068	12	0.75	22.687	45	99.1	45.61	45	99.1	K0	CZ	2728	P -44 614		
21	7.3E	8.0Z	9 23.175	0.0032	12	-48 30 56.39	0.029	12	0.65	23.022	31	01.7	57.77	28	01.7	A2	CZ	2731	P -48 607		
22	10.2E	9.3M	9 23.845	0.0011	12	-43 35 2.46	0.007	12	0.67	23.808	28	98.7	2.55	28	98.7	F8	CZ	2729	P -43 560		
23		9.5T	9 41.462	0.6218	30	-44 59 53.25	-5.702	27	1.28	13.987	15	05.8	37.74	15	05.2	K2	GC	6369	C*-45 1841		
24	10.7E	9.5Z	9 47.343	-0.0024	12	-46 49 14.89	0.011	12	0.73	47.658	45	01.0	15.43	45	01.0		CZ	2733	P -46 542		
25	10.8E	9.7M	9 52.586	-0.0019	12	-45 0 56.50	-0.021	12	0.75	52.683	45	99.1	55.43	45	99.1	K0	CZ	2734	P -45 580		
26	9.7E	7.5Z	9 58.089	0.0019	12	-44 0 21.72	0.015	12	0.68	57.934	31	98.7	22.47	28	98.7	K2	CZ	2735	P -44 616		
27	10.3E	9.4Z	10 4.798	-0.0006	12	-49 6 32.18	0.000	12	0.71	4.824	45	04.0	32.19	45	04.0		CZ	2741	P -49 664		
28	10.3E	9.1Z	10 5.109	-0.0005	12	-42 56 22.13	0.009	12	0.75	5.123	45	99.6	22.58	45	99.6		CZ	2736	P -43 561		
29	9.8E	9.0Z	10 12.782	-0.0014	12	-42 13 2.07	0.027	12	0.66	12.832	28	99.6	3.42	28	99.6	K5	CZ	2738	P -42 614		
30	9.7E	10.0Z	10 16.157	-0.0002	12	-40 53 17.01	-0.016	12	0.83	16.165	63	02.1	16.16	57	02.1	F5	CZ	2739	P -40 652		
31	9.6E	9.5Z	10 23.405	0.0015	12	-40 24 26.53	0.012	12	0.67	23.329	31	99.6	27.14	28	99.6	K0	CZ	2740	P -40 653		
32		7.5T	10 27.814	0.0047	14	-41 43 41.23	0.096	12	0.72	27.573	18	99.0	46.38	17	96.5	K0	GC	6379	C -41 1754		
33	8.4E	8.0Z	10 36.041	-0.0001	12	-47 19 59.89	0.017	12	0.64	36.044	28	01.7	0.71	26	01.7	F2	CZ	2743	P -47 543		
34		7.9T	10 44.818	-0.0027	14	-49 7 10.70	-0.028	11	0.66	44.947	17	01.3	9.25	18	98.6	A0	GC	6384	C -49 1610		
35	9.2E	9.0Z	10 51.731	-0.0006	12	-49 7 0.75	0.006	12	0.71	51.737	45	04.0	1.13	45	04.0	A0	CZ	2745	P -49 669		
36	9.1E	8.5Z	11 13.750	-0.0008	12	-42 27 21.29	-0.009	12	0.65	13.789	28	99.7	20.83	24	99.7	F5	CZ	2746	P -42 616		
37	9.1E	9.5Z	11 15.043	-0.0007	12	-47 25 29.58	-0.021	12	0.67	15.075	36	02.9	28.39	36	02.9	F5	CZ	2749	P -47 545		
38	9.6E	9.0Z	11 18.661	0.0003	12	-40 28 16.30	0.014	12	0.63	18.645	63	02.1	16.97	57	02.1	F8	CZ	2747	P -40 659		
39	10.5E	9.5Z	11 20.248	-0.0030	12	-49 32 40.68	0.003	12	0.64	20.392	31	02.3	40.83	28	02.3		CZ	2752	P -49 670		
40	9.5E	8.9Z	11 20.917	-0.0017	12	-42 3 45.49	0.016	12	0.69	20.999	36	00.7	46.26	36	00.7	K0	CZ	2748	P -42 617		
41	10.4E	9.5Z	11 31.292	-0.0003	12	-43 4 40.44	-0.012	12	0.66	31.306	28	99.1	39.83	26	99.1	F5	CZ	2750	P -43 566		
42	10.0E	8.5Z	11 46.690	-0.0006	12	-45 34 26.69	0.012	12	0.66	46.718	28	99.8	27.29	28	99.8		CZ	2753	P -45 583		
43	9.7E	8.5Z	12 2.989	0.0001	12	-42 59 58.22	0.009	12	0.67	2.983	28	98.7	58.68	26	98.7	K0	CZ	2754	P -43 567		
44		8.1T	12 7.618	-0.0036	15	-47 35 57.61	0.042	11	0.73	7.800	19	98.9	59.99	21	93.9	F0	GC	6408K	C*-48 1694		
45	10.1E	9.5M	12 9.572	-0.0047	12	-40 43 13.08	0.013	12	0.67	9.808	31	99.5	13.74	28	99.5	G0	CZ	2755	P -40 663		
46	10.2E	9.5Z	12 13.201	-0.0029	12	-46 34 52.73	0.001	12	0.65	13.341	28	00.7	52.78	25	00.7	K0	CZ	2757	P -46 547		
47	10.0E	9.3M	12 30.175	-0.0005	12	-48 20 15.38	0.006	12	0.65	30.198	31	01.7	15.67	28	01.7	A2	CZ	2760	P -48 619		
48	9.4E	9.0M	12 32.211	-0.0003	12	-40 22 30.71	-0.041	12	0.66	32.298	28	99.5	29.65	26	99.5	G0	CZ	2761	P -40 666		
49	9.7E	9.0M	12 36.434	-0.0020	12	-41 16 4.90	-0.010	12	0.65	36.532	28	00.2	4.41	26	00.2	A3	CZ	2762	P -41 660		
50	9.7E	9.0Z	13 1.984	-0.0004	12	-41 14 21.20	0.008	12	0.73	1.983	45	02.0	21.59	45	02.0	G0	CZ	2764	P -41 661		
51	10.4E	9.0Z	5 13 3.021	0.0059	12	-42 8 12.78	0.009	12	0.66	2.723	28	99.7	13.22	26	99.7		CZ	2765	P -42 623		
52	9.2E	9.0Z	13 5.012	0.0004	12	-45 50 49.24	-0.007	12	0.67	4.990	31	00.1	48.89	28	00.1	A3	CZ	2767	P -45 585		
53	8.5E	8.0Z	13 5.489	-0.0001	12	-44 16 42.42	-0.001	12	0.67	5.496	31	00.0	42.35	28	00.0	A0	CZ	2766	P -44 629		
54	8.9E	9.0Z	13 32.253	0.0007	12	-47 15 5.64	-0.016	12	0.65	32.217	31	01.3	4.86	28	01.3	F0	CZ	2771	P -47 550		
55	9.2E	8.8M	13 34.425	0.0020	12	-43 46 26.16	-0.019	12	0.67	34.325	28	98.7	25.18	26	98.7	G5	CZ	2770	P -43 571		
56	9.1E	8.5Z	14 16.501	0.0007	12	-42 54 12.89	0.002	12	0.73	16.465	45	01.0	12.99	45	01.0	F8	CZ	2772	P -42 632		
57		7.9T	14 25.394	0.0097	24	-49 29 55.47	-0.073	22	1.08	24.950	21	04.5	52.09	19	03.8	G5	GC	6457	C -49 1643		
58		7.4T	14 33.809	0.0007	13	-41 18 11.72	0.009	12	0.66	33.773	18	99.5	12.18	17	96.8	K2	GC	6465	C -41 1790		
59		8.0T	14 35.321	-0.0063	14	-41 7 36.62	-0.063	12	0.70	35.642	18	98.9	42.03	17	95.6	G5	GC	6467	C -41 1791		
60		8.1T	14 36.007	-0.0053	15	-48 44 34.93	-0.089	11	0.69	36.265	17	00.8	30.22	18	97.1	F8	GC	6468	C -48 1717		
61	9.0E	8.3M	14 40.444	0.0010	12	-47 31 20.10	0.041	12	0.65	40.394	31	01.3	22.10	28	01.3	F5	CZ	2779	P -47 552		
62	11.2E	10.0M	14 45.175	-0.0002	12	-43 59 34.51	0.003	12	0.73	45.187	45	01.1	34.65	45	01.1		CZ	2776D	P*-44 636		
63	11.0E	10.2Z	14 45.531	-0.0011	12	-43 59 34.03	-0.005	12	0.73	45.587	45	01.1	33.78	45	01.1		CZ	2777D	P*-44 636		
64	8.7E	8.5Z	15 1.369	0.0005	12	-42 34 8.80	0.097	12	0.66	1.353	28	99.7	13.68	26	99.7	G5	CZ	2780	P -42 634		
65		7.0T	15 11.934	0.0015	16	-45 58 1.83	0.017	13	0.75	11.861	17	01.2	2.68	18	98.4	B9	GC	6482	C -46 1760		
66	9.4E	9.0Z	15 18.603	-0.0016	12	-46 59 7.67	-0.043	12	0.72	18.676	45	02.9	5.64	45	02.9	G0	CZ	2785	P -47 555		
67	9.9E	9.4Z	15 28.501	-0.0005	12	-42 52 22.63	-0.020	12	0.73	28.525	45	01.0	23.60	45	01.0	G0	CZ	2784	P -42 636		
68	10.2E	9.3Z	15 28.043	-0.0013	12	-47 16 15.12	0.011	12	0.72	28.103	45	02.9	53.64	45	02.9		CZ	2786	P -47 556		
69		8.1T	15 28.870	-0.0004	15	-48 41 36.76	-0.029	11	0.69	28.887	19	01.0	35.22	18	97.4	F5	GC	6490	C -48 1721		
70		7.8T	15 30.423	-0.0003	12	-49 39 11.24	-0.037	10	0.62	30.438	22	00.2	9.18	19	94.9	K0	GC	6491	C*-49 1654		
71	8.4E	8.0Z	15 33.909	-0.0003	12	-48 14 39.57	-0.033	12	0.63	33.922	28	02.0	37.98	26	02.0	K5	CZ	2789	P -48 626		
72	10.0E	9.4M	15 36.351	0.0003	12	-44 49 17.80	-0.010	12	0.65	36.334	28	00.1	17.30	26	00.1	A0	CZ	2792	P -44 639		
73	10.1E	9.3M	15 37.359	-0.0014	12	-41 53 55.39	0.002	12	0.65	37.427	28	00.3	55.48	26	00.3	A2	CZ	2791	P -41 672		
74		7.5T	15 38.006	-0.0020	13	-43 39 24.71	0.121	12	0.68	14.106	18	00.5	31.03	21	97.9	F5	GC	6505	C -43 1776		
75	9.4E	8.5Z	15 38.088	-0.0010	12	-43 31 22.93	-0.001	12	0.66	33.142	28	98.9	22.86	24	98.9	F0	CZ	2797	P -43 580		
76	9.0E	8.5M	16 42.239	0.0001	12	-43 8 58.50	-0.019	12	0.65	42.232	26	99.1	57.54	24	99.1	A2	CZ	2798	P -43 581		
77	10.4E	9.7M	16 47.828	-0.0005	12	-45 37 52.55	-0.005	12	0.65	47.851	28	00.6	52.30	26	00.6		CZ	2801	P -45 599		
78	9.0E	8.5Z	16 49.252	-0.0003	12	-47 25 34.75	0.048	12	0.64	49.265	28	01.7	57.07	26	01.7	F0	CZ	2802	P -47 562		
79		7.7T	16 49.898	-0.0017	11	-41 5 43.35	-0.028	11	0.62	49.955	18	97.1	41.80	17	95.6	F5	GC	6518K	C*-41 1805		
80	10.1E	9.0M	16 55.828	-0.0031	12	-46 19 38.66	0.040	12	0.65	55.979	28	00.5	40.64	26	00.5		CZ	2803	P -46 555		
81		8.8T	17 5.284	-0.0045	14	-49 42 23.35	-0.002	12	0.68	5.479	22	02.1	23.22	21	97.7	K0	GC	6523	C -49 1662		
82	9.4E	9.0Z	17 8.119	0.0033	12	-48 26 49.00	-0.110	12	0.67	7.963	36	03.0	43.63	36	03.0		CZ	2805	P -48 634		
83	9.4E	8.5Z	17 35.988	-0.0011	12	-41 37 46.33	-0.016	12	0.65	36.022	28	00.3	45.52	26	00.3	G5	CZ	2806	P -41 680		
84	10.3E	9.5M	17 39.740	-0.0005	12	-49 17 49.01	-0.009	12	0.64	39.763	31	02.3	48.60	28	02.3		CZ	2809	P -49 695		
85	10.0E	9.2M	17 42.725	0.0032	12	-49 48 56.70	-0.005	12	0.64	42.574	31	02.3	56.46	28	02.3	G	CZ	2811	P -49 696		
86	9.4E	9.0Z	17 59.757	-0.0022	12	-42 12 14.58	-0.051	12	0.73	59.864	45	01.1	12.07	45	01.1	G0	CZ	2810	P -42 644		
87	9.4E	9.0M	18 16.580	-0.0017	12	-49 46 20.23	-0.029	12	0.71	16.639	45	04.0	18.90	45	04.0	F5	CZ	2814	P -49 699		
88		7.0T	18 37.385	-0.0001	09	-47 5 53.40	-0.015	07	0.37	37.388	17	09.3	52.69	15	03.9	M0	GC	6567	C -47 1787		
89	10.4E	8.6P	18 49.842	-0.0003	12	-41 43 0.28	-0.003	12	0.65	49.955	28	00.4	0.12	26	00.4	K2	CZ	2817	P -41 685		
90	9.3E	8.0Z	18 57.051	-0.0019	12	-46 36 45.38	-0.009	12	0.72	57.139	45	02.5	44.95	45	02.5	K2	CZ	2819	P -46 562		
91	8.9E	8.5Z	19 0.093	-0.0049	12	-42 47 7.32	-0.028	12	0.66	0.339	28	99.5	5.90	26	99.5	F8	CZ	2818	P -42 650		
92		7.3B	19 5.599	-0.0000	10	-43 34 59.57	0.030	08	0.53	5.600	18	98.5	1.29	19	93.1	B8	GC	6576	C -43 1801		
93	9.0E	8.0Z	19 7.947	-0.0018	12	-47 33 57.02	-0.034	12	0.65	8.033	31	01.3	55.36	28	01.3	G5	CZ	2822	P -47 567		
94	9.4E	9.5Z	19 10.114	0.0001	12	-48 59 7.22	0.024	12	0.71	10.107	45	04.0	8.34	45	04.0		CZ	2823	P -49 701		
95	10.0E	9.5*	19 13.655	-0.0005	12	-43 49 50.47	0.002	12	0.66	13.682	28	99.0	50.56	26	99.0		CZ	2821	P -43 591		
96		8.6T	19 28.325	0.0034	20	-43 32 10.83	0.002	22	0.95	28.176	24	06.1	10.93	26	06.8	K5	GC	6585	C -43 1805		
97	9.4E	9.0Z	19 32.147	-0.0020	12	-48 41 48.44	-0.038	12	0.65	32.243	31	01.0	46.58	28	01.0	F8	CZ	2827	P*-46 566		
98		8.4T	19 36.053	-0.0044	16	-49 49 5.84	0.043	12	0.72	36.265	19	01.8	8.06	18	97.9	F8	GC	6592	C -49 1685		
99	9.8E	9.0Z	19 43.162	-0.0004	12	-49 13 17.63	-0.023	12	0.64	43.141	31	02.4	18.74	28	02.4		CZ	2831	P -49 703		
00	9.3E	8.2Z	19 49.215	-0.0031	12	-40 48 43.10	-0.006	12	0.67	49.370	31	99.5	42.81	28	99.5	K0	CZ	2828	P -40 691		

217300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 5H DM NUMBER
1	9.9E	9.3*	5 19 51.871	-0.0035	12	-47 48 11.05	0.004	12	0.65	52.039	31	01.3	11.24	28	01.3		CZ	2832	P -47 569
2	8.9E	9.0Z	19 57.710	-0.0004	12	-46 19 36.35	-0.004	12	0.72	57.727	45	02.5	36.16	45	02.5	A2	CZ	2836	P -46 568
3	9.8E	9.0*	19 58.097	-0.0020	12	-45 25 21.01	0.018	12	0.65	59.195	31	01.1	21.89	28	01.1	F2	CZ	2834	P -45 610
4		8.0T	20 0.678	-0.0025	07	-44 25 15.96	0.007	06	0.55	0.790	17	05.7	16.33	15	99.0	A0	CZ	2836	C -44 1998
5	8.5E	8.5Z	20 8.770	-0.0023	12	-41 2 30.66	-0.021	12	0.65	8.883	28	00.4	29.63	26	00.4	A3	CZ	2835	P -41 688
6	9.5E	9.4Z	20 32.825	-0.0024	12	-45 8 17.58	-0.004	12	0.72	32.939	45	02.6	17.39	45	02.6	G0	CZ	2838	P -45 612
7	9.9E	9.3*	20 39.053	0.0003	12	-44 15 33.77	-0.021	12	0.66	39.040	31	00.4	32.72	28	00.4	A3	CZ	2839	P -44 648
8	10.7E	9.7*	20 39.191	-0.0015	12	-48 36 57.50	0.004	12	0.65	39.261	31	01.7	57.71	28	01.7		CZ	2842	P -48 644
9	9.9E	9.5Z	20 44.748	-0.0006	12	-46 19 36.85	0.004	12	0.64	44.775	28	01.5	37.05	26	01.5	G5	CZ	2841	P -46 570
10	10.1E	9.5Z	20 47.100	0.0009	12	-42 52 12.40	0.043	12	0.66	47.053	28	99.6	14.57	26	99.6		CZ	2840	P -42 655
11	9.9E	8.5Z	21 12.398	0.0002	12	-45 27 26.51	0.005	12	0.63	12.387	28	02.0	26.75	26	02.0	K2	CZ	2845	P -45 616
12	10.6E	9.4*	21 16.832	-0.0001	12	-41 11 20.60	-0.014	12	0.65	16.836	28	00.4	19.92	26	00.4		CZ	2844	P -41 692
13		8.7T	21 20.364	-0.0004	22	-42 22 7.85	0.203	22	1.06	20.381	19	03.6	17.28	19	03.6	G5	GC	6639	C -42 1912
14	9.6E	9.3Z	21 32.836	-0.0026	12	-40 2 1.71	-0.015	12	0.73	32.960	45	02.0	1.00	45	02.0	F5	CZ	2847	P -40 698
15	10.5E	9.4*	21 47.195	-0.0002	12	-48 5 33.78	-0.005	12	0.65	47.202	31	01.7	33.53	28	01.7		CZ	2848	P -48 645
16	8.6E	8.5H	22 9.235	-0.0017	12	-45 4 33.44	0.010	12	0.71	9.315	45	03.6	33.91	45	03.6	B9	CZ	2849	P -45 617
17		7.9T	22 9.923	0.0007	10	-49 25 12.42	-0.011	08	0.41	9.892	15	09.1	11.93	15	05.7	K0	GC	6662	C -49 1701
18	10.8E	9.7Z	22 19.356	-0.0006	12	-40 22 48.46	-0.002	12	0.68	19.385	31	99.5	48.37	31	99.5		CZ	2851	P -40 704
19	9.4E	9.0Z	22 28.111	-0.0013	12	-43 44 55.47	0.017	12	0.66	28.180	28	99.0	56.32	26	99.0	A5	CZ	2854	P -43 598
20	8.6E	8.5Z	22 43.177	-0.0016	12	-47 23 3.20	-0.044	12	0.65	43.254	31	01.3	1.06	28	01.3	F2	CZ	2857	P -47 577
21		7.6T	22 45.079	-0.0014	16	-43 39 10.86	-0.002	13	0.76	45.148	18	01.1	10.78	21	98.2	K5	GC	6673	C -43 1830
22	9.7E	9.4Z	23 9.362	0.0004	12	-42 41 44.47	0.038	12	0.66	9.341	28	99.7	46.38	26	99.7	F8	CZ	2858	P -42 664
23	9.1E	8.5Z	23 15.150	0.0010	12	-42 29 0.22	0.017	12	0.66	15.099	28	99.6	1.06	26	99.6	K0	CZ	2859	P -42 666
24	8.5E	9.0Z	23 23.911	-0.0033	12	-45 23 28.83	-0.007	12	0.71	24.064	45	03.6	28.51	45	03.6	F0	CZ	2861	P -45 619
25		5.9T	23 26.118	-0.0007	06	-44 16 9.04	0.005	04	0.24	26.148	09	08.0	9.28	07	04.1	K0	GC	6688	C -44 2036
26	9.8E	9.1Z	23 34.492	-0.0003	12	-44 31 48.44	-0.021	12	0.72	34.505	45	02.5	47.44	45	02.5	F8	CZ	2862	P -44 657
27	9.8E	9.5Z	23 37.097	-0.0010	12	-47 36 31.70	0.035	12	0.65	37.144	31	01.3	33.40	28	01.3		CZ	2863	P -47 581
28	9.1E	8.5Z	23 52.885	0.0002	12	-41 22 54.69	0.021	12	0.65	52.875	28	00.3	55.75	26	00.3	K0	CZ	2864	P -41 706
29	11.0E	9.4*	23 57.391	-0.0016	12	-45 46 44.86	0.031	12	0.65	57.467	31	01.7	46.35	28	01.7		CZ	2866	P -45 620
30		8.5T	24 0.319	-0.0017	13	-47 8 13.92	-0.007	12	0.67	0.404	17	99.6	13.52	18	96.9	F5	GC	6705	C -47 1836
31	8.2E	8.5Z	24 18.257	-0.0016	12	-43 6 14.54	-0.009	12	0.66	18.337	28	99.0	14.08	26	99.0	A2	CZ	2870	P -43 604
32	10.6E	9.5Z	24 18.677	-0.0025	12	-40 26 52.20	0.005	12	0.66	18.802	28	99.5	52.46	26	99.5	G5	CZ	2869	P -40 712
33	9.8E	9.0Z	24 24.458	0.0008	12	-44 11 40.31	0.015	12	0.72	24.423	45	02.5	41.01	45	02.5	F8	CZ	2872	P -44 662
34	10.9E	9.7*	24 34.255	-0.0011	12	-48 41 52.13	0.010	12	0.65	34.306	31	01.7	52.62	28	01.7		CZ	2874	P -48 648
35	10.4E	8.6Z	24 46.580	-0.0012	12	-41 52 19.77	0.004	12	0.65	46.638	28	00.1	19.96	26	00.1	K0	CZ	2873	P -41 710
36	9.8E	8.5Z	24 51.505	-0.0001	12	-43 25 6.94	0.013	12	0.74	51.509	45	00.0	7.59	45	00.0	F2	CZ	2875	P -43 606
37		8.2T	24 52.635	0.0012	12	-43 25 2.99	0.015	12	0.67	52.572	22	99.2	3.83	19	95.9	F2	GC	6728K	C*-43 1847
38		8.4T	25 15.315	-0.0003	16	-45 5 29.85	0.063	13	0.76	15.328	17	00.3	33.20	17	97.3	G0	GC	6736	C -45 1985
39	10.3E	9.5Z	25 21.130	-0.0044	12	-48 4 17.00	0.054	12	0.62	21.334	28	03.0	19.54	26	03.0		CZ	2879	P -48 650
40		5.9H	25 28.911	-0.0001	03	-40 59 8.88	0.095	03	0.13	28.915	06	14.7	12.28	06	14.1	A2	F4	1149	C -41 1884
41		6.9T	25 38.384	0.0002	12	-44 54 10.54	0.047	09	0.60	38.375	19	99.3	13.20	18	94.0	K2	GC	6750	C -44 2066
42		7.9T	25 50.621	0.0007	16	-46 8 3.36	-0.042	13	0.76	50.587	18	01.0	1.14	18	97.9	F2	GC	6755	C -46 1860
43	9.2E	9.0Z	26 22.862	-0.0005	12	-43 15 15.56	0.004	12	0.70	22.886	36	00.0	15.76	36	00.0	F0	CZ	2882	P -43 614
44	10.6E	8.5Z	26 31.577	-0.0014	12	-44 30 0.81	0.012	12	0.65	31.644	28	00.8	1.40	26	00.8	K5	CZ	2884	P -44 669
45	8.9E	8.0Z	26 36.341	-0.0005	12	-48 44 38.92	0.040	12	0.62	36.363	28	03.0	40.82	26	03.0	K0	CZ	2886	P -48 657
46	8.4E	8.3Z	26 44.539	0.0004	12	-40 42 54.26	0.025	12	0.83	44.518	63	02.0	55.47	57	02.0	F5	CZ	2885	P -40 719
47	10.4E	9.3*	26 48.159	-0.0002	12	-45 6 9.09	-0.040	12	0.63	48.169	28	02.6	7.20	26	02.6		CZ	2888	P -45 625
48	10.9E	9.6Z	26 53.730	-0.0006	12	-42 26 14.38	0.008	12	0.65	53.759	28	00.1	14.77	26	00.1		CZ	2887	P -42 673
49	8.7E	8.5Z	26 56.585	0.0002	12	-49 11 44.15	0.097	12	0.63	56.575	31	03.0	48.72	28	03.0	F2	CZ	2891	P -49 720
50	11.2E	9.7*	27 10.591	-0.0017	12	-47 15 23.70	0.017	12	0.63	10.670	28	02.3	24.51	26	02.3		CZ	2894	P -47 586
51	10.8E	8.5Z	5 27 10.828	-0.0005	12	-41 45 15.56	-0.002	12	0.65	10.851	28	00.3	15.44	26	00.3		CZ	2890	P -41 723
52		9.1T	27 11.798	-0.0005	20	-45 50 26.41	0.056	17	0.87	11.821	24	05.4	29.03	22	02.8	G0	GC	6793	C -45 1999
53	8.9E	9.0H	27 12.271	-0.0024	12	-40 2 50.69	-0.021	12	0.67	12.391	31	99.5	49.64	28	99.5	G0	CZ	2889	P -40 721
54	10.1E	9.5Z	27 23.046	0.0064	12	-46 35 11.20	0.111	12	0.65	22.737	31	02.0	16.53	28	02.0		CZ	2896	P -46 584
55	9.5E	9.3H	27 25.418	-0.0002	12	-40 2 26.19	-0.017	12	0.83	25.426	63	02.0	25.38	57	02.0		CZ	2893	P -40 723
56	9.4E	8.9*	27 26.005	-0.0013	12	-41 14 4.88	0.091	12	0.65	26.069	28	00.4	9.40	26	00.4	G0	CZ	2895	P -41 724
57	10.0E	8.5Z	27 43.426	-0.0009	12	-42 6 16.84	-0.000	12	0.66	43.470	28	99.5	16.83	26	99.5	K0	CZ	2897	P -42 675
58	10.1E	9.0Z	27 57.778	-0.0027	12	-44 19 19.90	0.011	12	0.72	57.908	45	02.5	20.41	45	02.5	A3	CZ	2901	P -44 673
59	9.0E	9.0Z	27 58.417	-0.0004	12	-40 31 18.83	-0.097	12	0.83	58.435	63	02.0	14.19	57	02.0	G5	CZ	2898	P -40 727
60	8.7E	8.0Z	28 0.778	-0.0017	12	-40 46 51.59	-0.032	12	0.67	0.862	31	99.5	49.98	28	99.5	K0	CZ	2899	P -40 728
61	9.0E	8.5*	28 6.692	-0.0013	12	-44 48 50.20	0.006	12	0.65	6.754	31	01.0	50.49	28	01.0	MA	CZ	2903	P -44 674
62	9.0E	8.5Z	28 14.334	-0.0027	12	-43 48 37.84	-0.013	12	0.66	14.473	28	99.0	37.17	26	99.0	F5	CZ	2904	P -43 618
63	8.5E	8.0Z	28 16.078	0.0004	12	-43 32 40.13	-0.017	12	0.74	16.060	45	00.0	39.27	45	00.0	F0	CZ	2905	P -43 619
64	10.5E	9.5*	28 21.020	0.0000	12	-48 7 56.43	0.057	12	0.63	21.018	31	03.0	59.10	28	03.0		CZ	2906	P -48 661
65		6.5T	28 27.591	0.0043	10	-47 6 49.51	-0.018	07	0.53	27.357	18	95.8	48.36	15	87.8	F0	GC	6817	C -47 1880
66		7.7T	28 36.527	-0.0015	15	-43 37 0.46	0.035	13	0.73	36.600	22	01.5	2.27	21	98.7	K0	GC	6822	C -43 1885
67	9.5E	9.0Z	28 39.185	-0.0021	12	-40 4 34.53	-0.038	12	0.83	39.285	63	02.0	32.71	57	02.0		CZ	2907	P -40 733
68		5.5H	28 46.891	0.0018	03	-47 6 46.10	-0.134	03	0.13	46.826	06	13.4	41.29	06	14.1	G5	F4	1152	C -47 1884
69	8.8E	7.5Z	28 49.149	-0.0009	12	-43 43 51.49	0.028	12	0.74	49.197	45	00.0	52.87	45	00.0	G5	CZ	2910	P -43 625
70	8.9E	8.0Z	29 9.138	-0.0047	12	-47 14 14.58	0.028	12	0.71	9.352	45	04.0	15.87	45	04.0	F8	CZ	2912D	P*-47 596
71	9.7E	8.5Z	29 22.312	-0.0021	12	-41 38 49.10	0.011	12	0.65	22.415	28	00.2	49.63	26	00.2	A	CZ	2913	P -41 732
72	9.1E	9.0Z	29 26.547	-0.0014	12	-41 39 59.52	-0.016	12	0.73	26.613	45	02.0	58.74	45	02.0	A	CZ	2915	P -41 733
73	11.6E	9.6*	29 34.658	-0.0018	12	-45 37 0.42	0.022	12	0.64	34.741	31	02.7	1.46	28	02.7		CZ	2921	P -45 631
74		7.2G	29 36.810	0.0001	10	-42 20 11.38	0.055	09	0.56	36.804	22	97.6	14.62	19	91.3	A5	GC	6852K	C*-42 1975
75		8.7T	29 36.955	0.0001	17	-42 20 18.92	0.067	11	0.71	36.949	24	04.6	22.41	22	98.1		GC	6853K	C -42 1975
76	10.1E	9.6Z	29 37.847	-0.0003	12	-42 25 4.32	-0.000	12	0.73	37.861	45	01.0	4.31	45	01.0		CZ	2920	P -42 687
77	11.1E	9.8*	29 40.929	-0.0008	12	-46 38 5.43	0.037	12	0.65	40.965	31	02.0	7.21	28	02.0		CZ	2923	P -46 589
78	10.8E	9.7*	29 47.972	-0.0005	12	-44 7 20.69	-0.017	12	0.65	47.999	31	01.1	19.85	28	01.1		CZ	2924	P -44 680
79	9.2E	9.0Z	29 48.937	0.0006	12	-42 45 17.18	0.044	12	0.66	48.905	28	99.7	19.39	26	99.7	A2	CZ	2922	P -42 690
80	9.8E	9.6Z	30 4.540	-0.0017	12	-48 50 47.09	0.012	12	0.70	4.615	45	05.0	47.64	45	05.0		CZ	2930	P -48 668
81	9.8E	8.0Z	30 6.634	-0.0025	12	-46 5 24.45	-0.022	12	0.65	6.754	31	02.1	23.40	28	02.1	K0	CZ	2928	P -46 590
82		5.8T	30 10.703	0.0020	07	-45 57 39.60	0.040	05	0.30	10.623	14	09.5	41.54	14	01.9	K2	GC	6864	C -46 1892
83	10.0E	9.3*	30 14.439	0.0000	12	-42 12 21.88	0.033	12	0.66	14.438	28	99.7	23.54	26	99.7		CZ	2927	P -42 693
84	6.9E	8.0Z	30 26.459	0.0001	12	-49 3 12.74	0.013	12	0.63	26.453	31	03.0	13.35	28	03.0	B8	CZ	2935	P -49 730
85	9.5E	9.2*	30 27.817	-0.0005	12	-40 5 4.29	-0.022	12	0.67	27.841	31	99.4	3.15	28	99.4	A0	CZ	2932	P -40 742
86	10.1E	9.6Z	30 46.832	-0.0009	12	-47 26 14.16	0.012	12	0.66	46.874	36	03.7	14.72	36	03.7		CZ	2936	P -47 603
87		7.2T	30 59.204	0.0000	14	-47 30 36.60	0.043	12	0.71	59.203	15	98.6	38.98	15	94.9	G5	GC	6885	C -47 1903
88	9.8E	9.5Z	31 2.314	-0.0019	12	-48 13 38.21	0.023	12	0.70	2.399	45	05.0	39.25	45	05.0	A3	CZ	2940	P -48 671
89	8.7E	9.0Z	31 3.845	-0.0030	12	-47 59 30.43	0.009	12	0.70	3.980	45	05.0	30.84	45	05.0	A0	CZ	2941	P -48 672
90	10.1E	9.5Z	31 8.786	-0.0007	12	-43 47 7.72	-0.007	12	0.66	8.824	28	99.3	7.37	26	99.3		CZ	2939	P -43 631
91	10.1E	9.0*	31 24.143	-0.0004	12	-48 32 34.44	-0.030	12	0.63	24.161	31	03.0	33.04	28	03.0	G5	CZ	2944	P -48 673
92	9.9E	8.2Z	31 26.356	-0.0006	12	-43 4 41.60	-0.007	12	0.66	26.384	28	99.2	41.26	26	99.2	K2	CZ	2942	P -43 632
93	9.6E	8.8*	31 29.103	-0.0001	12	-41 58 22.86	0.023	12	0.66	29.107	28	99.7	24.02	26	99.7	G5	CZ	2943	P -42 697
94	7.6E	7.5H	31 35.565	-0.0009	12	-47 43 19.11	-0.046	12	0.66	35.608	36	03.7	16.98	36	03.7	A0	CZ	2945	P -47 606
95	11.2E	10.0Z	31 42.749	-0.0009	12	-45 41 55.46	-0.006	12	0.62	42.793	28	03.3	55.17	26	03.3		CZ	2946	P -45 638
96	10.1E	9.3Z	31 45.153	-0.0013	12	-48 49 52.42	-0.001	12	0.70	45.241	45	05.0	52.39	45	05.0	G5	CZ	2949	P -48 676
97	9.6E	8.5Z	31 47.333	-0.0003	12	-47 41 45.00	-0.023	12	0.66	47.347	36	03.7	43.92	36	03.7	G5	CZ	2948	P -47 608
98	8.5E	8.2Z	31 55.796	-0.0019	12	-40 57 59.51	0.067	12	0.66	55.893	28	99.3	> 2.89	26	99.3	F5	CZ	2947	P -41 746
99	9.9E	9.4Z	31 57.699	0.0006	12	-47 58 7.49	-0.131	12	0.81	57.673	63	05.0	1.59	57	05.0		CZ	2951	P -48 678
00		7.0T	32 10.408	0.0027	16	-49 24 32.64	-0.111	12	0.74	10.274	17	01.2	26.77	18	97.3	F5	GC	6910	C -49 1783

217400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 5H DM NUMBER
1	9.8E	9.5Z	5 32 25.946	-0.0001		12 -45 42 47.65	-0.020	12	0.64	25.953	31	02.7	46.70	28	02.7		CZ	2954	P -45 640
2	9.8E	9.0Z	32 50.423	-0.0001		12 -40 53 31.85	-0.002	12	0.86	50.429	63	98.9	31.73	57	98.9	K0	CZ	2957	P -40 750
3	9.0E	8.2Z	32 52.734	0.0004		12 -42 47 55.19	0.000	12	0.73	52.616	45	01.0	59.09	45	01.0	G0	CZ	2959	P -42 701
4	10.1E	9.5*	32 53.686	-0.0002		12 -42 7 2.00	0.019	12	0.66	53.687	28	99.7	2.98	26	99.7	K	CZ	2958	P -42 700
5	9.8E	9.1*	32 56.572	-0.0029		12 -43 54 43.71	-0.022	12	0.66	56.718	28	99.0	42.60	26	99.0	F8	CZ	2960	P -43 635
6	9.8E	9.5Z	33 21.088	-0.0043		12 -47 21 46.86	0.026	12	0.71	21.268	45	04.0	48.05	45	04.0	G	CZ	2962	P -47 614
7	9.7E	9.0Z	33 22.508	-0.0017		12 -40 38 2.13	0.000	12	0.86	22.594	63	98.9	3.14	57	98.9	K0	CZ	2961	P -40 752
8		7.2T	33 22.985	-0.0014		17 -48 58 44.05	-0.034	13	0.77	23.051	17	01.3	42.29	17	98.8	A2	GC	6853	C -48 1790
9	9.9E	9.0Z	33 42.581	0.0031		12 -42 44 4.40	0.039	12	0.73	42.429	45	01.0	6.29	45	01.0	G0	CZ	2966	P -42 703
10	11.1E	9.7*	33 46.180	-0.0010		12 -40 6 19.65	-0.004	12	0.68	46.232	28	97.8	19.43	26	97.8		CZ	2965	P -40 755
11	9.6E	8.5Z	33 50.509	-0.0004		12 -41 56 8.01	0.023	12	0.74	50.529	45	00.4	9.16	45	00.4	G5	CZ	2967	P -41 752
12	9.5E	9.2Z	33 51.179	-0.0041		12 -46 58 33.36	0.080	12	0.71	50.991	45	04.0	34.27	45	04.0	G5	CZ	2970	P -47 615
13	10.0E	9.0Z	33 55.594	-0.0010		12 -44 22 18.09	0.010	12	0.65	55.642	31	01.0	18.59	28	01.0	K0	CZ	2969	P -44 687
14	8.7E	8.5Z	33 57.483	-0.0006		12 -43 25 43.51	0.007	12	0.67	57.514	28	98.9	43.84	26	98.9	A0	CZ	2968	P -43 640
15	11.1E	9.8*	33 59.055	0.0025		12 -45 8 26.84	-0.037	12	0.64	58.945	31	02.7	25.08	28	02.7		CZ	2971	P -45 643
16	9.6E	8.7*	34 24.271	-0.0012		12 -49 46 56.84	0.044	12	0.64	24.330	31	02.7	58.92	28	02.7	G5	CZ	2976	P -49 742
17	9.6E	9.5Z	34 29.016	-0.0009		12 -48 23 35.28	0.012	12	0.70	29.057	45	05.0	35.78	45	05.0	A	CZ	2977	P -48 683
18	9.4E	9.5Z	34 31.163	-0.0017		12 -40 44 19.83	0.004	12	0.86	31.251	63	98.9	20.02	57	98.9	A	CZ	2972	P -40 757
19	10.3E	8.9Z	34 35.077	0.0018		12 -49 43 58.14	0.014	12	0.70	34.993	45	04.5	58.78	45	04.5	G	CZ	2980	P -49 744
20	9.6E	10.0Z	34 37.260	-0.0011		12 -40 44 4.54	-0.015	12	0.86	37.317	63	98.9	3.76	57	98.9	A	CZ	2974	P -40 759
21	10.7E	8.5Z	34 40.985	0.0002		12 -41 49 31.85	0.001	12	0.66	40.976	28	99.3	31.91	26	99.3		CZ	2975	P -41 757
22		6.0T	34 41.153	-0.0020		07 -47 20 36.96	-0.016	05	0.30	41.238	14	07.5	36.19	14	01.1	K0	GC	6846	C -47 1940
23	8.7E	9.0Z	34 52.351	0.0022		12 -46 3 9.37	0.018	12	0.65	52.247	31	02.0	10.25	28	02.0	F5	CZ	2984	P -46 601
24	9.4E	9.0Z	34 53.949	-0.0007		12 -47 51 49.35	-0.058	12	0.65	53.983	31	02.0	46.56	28	02.0	F8	CZ	2985	P -47 621
25		7.9T	34 55.011	-0.0002		11 -44 4 2.97	-0.011	09	0.44	55.018	14	08.1	2.48	15	07.1	K0	GC	6891	C -44 2137
26	10.9E	9.5*	34 58.180	-0.0015		12 -46 32 4.80	0.019	12	0.65	58.232	31	02.0	5.71	28	02.0		CZ	2986	P -46 603
27		7.7T	35 17.072	0.0031		12 -48 18 49.88	0.006	12	0.63	16.927	31	03.0	50.16	28	03.0	F5	CZ	2987	P -48 684
28	10.8E	9.5Z	35 20.944	0.0012		12 -49 36 31.96	0.038	12	0.70	20.887	45	04.5	33.69	45	04.5	G5	CZ	2988	P -49 746
29	10.8E	9.7Z	35 34.913	0.0006		12 -47 59 31.60	0.027	12	0.65	34.885	36	04.3	32.83	36	04.3	G5	CZ	2992	P -48 687
30	9.8E	8.3Z	35 36.674	0.0005		12 -47 59 35.50	0.021	12	0.65	36.652	36	04.3	36.45	36	04.3	G5	CZ	2993	
31	9.6E	9.0Z	35 40.538	0.0001		12 -42 44 38.42	-0.005	12	0.66	40.532	28	99.6	38.15	26	99.6	F5	CZ	29890	P -42 709
32	10.8E	9.6Z	35 46.661	0.0020		12 -40 11 38.82	0.045	12	0.69	46.558	31	97.8	41.15	31	97.8		CZ	2990	P -40 765
33	10.8E	9.9*	35 46.687	-0.0020		12 -48 33 38.63	-0.023	12	0.62	46.781	28	03.0	37.56	26	03.0		CZ	2994	P -48 688
34	10.5E	9.0Z	35 57.197	-0.0019		12 -44 38 39.56	0.011	12	0.65	57.288	28	00.8	40.13	26	00.8	K2	CZ	2995	P -44 692
35		7.5T	36 5.789	-0.0006		15 -47 13 44.22	0.026	12	0.73	5.819	18	99.7	45.62	17	96.7	K0	GC	7023	C -47 1951
36	9.5E	8.7Z	36 7.954	-0.0020		12 -40 41 20.86	0.027	12	0.86	8.058	63	98.9	22.23	57	98.9	F5	CZ	2996	P -40 767
37		7.8T	36 12.250	0.0016		16 -41 11 30.43	0.029	12	0.75	12.173	18	00.4	31.97	17	96.9	G0	GC	7029	C -41 1979
38	9.4E	9.0Z	36 26.386	0.0011		12 -49 36 32.07	0.050	12	0.70	26.339	45	04.5	33.43	45	04.5	F5	CZ	3003	P -49 749
39		7.7T	36 29.546	0.0082		14 -42 59 42.59	0.255	12	0.69	29.080	15	99.3	56.18	15	96.7	K0	GC	7040	C -43 1954
40	9.3E	8.8*	36 32.404	0.0023		12 -41 40 44.15	0.038	12	0.65	32.290	28	00.0	46.06	26	00.0	K0	CZ	3001	P -41 765
41	9.8E	8.0Z	36 38.318	-0.0016		12 -41 25 42.31	-0.033	12	0.69	38.398	36	01.0	40.68	36	01.0	F5	CZ	3002	P -41 766
42	9.9E	8.8*	36 43.990	0.0022		12 -44 7 4.15	0.034	12	0.65	43.481	28	00.8	5.84	26	00.8	F0	CZ	3005	P -44 695
43	10.1E	9.0Z	36 45.298	-0.0009		12 -42 38 12.71	0.002	12	0.65	45.343	28	00.3	12.83	26	00.3	G5	CZ	3004	P -42 713
44		7.4B	36 45.361	-0.0127		13 -46 7 37.29	-0.469	12	0.69	45.998	18	99.9	12.87	18	97.9	G0	GC	7049K	C* -46 1936
45		9.5B	36 45.652	-0.0151		17 -46 7 35.87	-0.497	16	0.80	46.343	24	04.3	12.73	24	03.4		GC	7049K	C -46 1936
46		7.7T	36 48.162	-0.0028		15 -47 44 30.71	0.012	12	0.69	48.295	18	02.1	31.35	21	97.7	K0	GC	7052	C -47 1957
47	9.5E	9.7Z	36 50.152	-0.0036		12 -41 1 28.74	0.012	12	0.69	50.329	36	01.0	29.31	36	01.0	F5	CZ	3006	P -41 769
48		7.8T	37 1.126	-0.0021		13 -41 19 24.13	-0.033	12	0.69	1.234	21	99.7	22.32	19	94.9	F5	GC	7055K	C -41 1987
49	9.7E	9.0Z	37 2.202	-0.0015		12 -41 19 35.01	-0.018	12	0.74	2.277	45	00.5	34.10	45	00.5	F5	CZ	3009	P -41 770
50		5.8T	37 7.097	-0.0011		07 -40 44 3.86	0.009	05	0.30	7.145	12	07.7	4.32	12	02.6	B8	GC	7061	C -40 1999
51	10.7E	9.5Z	5 37 22.809	-0.0020		12 -45 22 51.95	0.034	12	0.65	22.906	31	01.7	53.59	28	01.7		CZ	3015	P -45 656
52	9.8E	9.5Z	37 26.245	-0.0014		12 -43 19 24.94	0.005	12	0.74	26.315	45	00.1	25.16	45	00.1		CZ	3013	P -43 649
53	9.8E	9.5Z	37 33.655	-0.0033		12 -40 10 45.73	0.002	12	0.86	33.824	63	98.9	45.82	57	98.9	G5	CZ	3014	P -40 776
54	9.7E	8.2Z	37 34.176	0.0001		12 -43 45 52.87	-0.032	12	0.74	34.170	45	00.1	51.29	45	00.1	K2	CZ	3017	P -43 650
55	9.3E	8.5Z	37 37.196	-0.0035		12 -41 46 46.66	-0.047	12	0.66	37.375	28	99.3	44.29	26	99.3	G5	CZ	3016	P -41 775
56	10.4E	9.6*	37 39.869	0.0006		12 -49 3 36.64	-0.005	12	0.65	39.861	31	02.1	36.41	28	02.1		CZ	3022	P -49 752
57	9.5E	9.4Z	37 41.746	0.0008		12 -48 14 54.44	0.009	12	0.72	41.709	45	03.0	54.85	45	03.0	A2	CZ	3021	P -48 695
58	9.8E	9.0*	37 47.207	-0.0004		12 -41 4 57.63	-0.025	12	0.66	47.229	28	99.3	56.35	26	99.3	G5	CZ	3018	P -41 776
59	9.9E	10.0Z	37 48.284	0.0004		12 -45 35 3.35	0.004	12	0.71	48.247	45	03.6	3.54	45	03.6		CZ	3020	P -45 658
60		8.1T	37 53.815	0.0005		14 -40 42 36.23	0.010	12	0.67	53.793	21	02.3	36.74	21	99.6	F2	GC	7080	C -40 2008
61	9.8E	9.0Z	38 5.334	-0.0031		12 -47 37 50.09	0.007	12	0.65	5.486	31	01.3	50.42	28	01.3	F8	CZ	3029	P -47 630
62	9.8E	9.0Z	38 6.493	-0.0020		12 -41 52 23.19	0.009	12	0.74	6.593	45	00.5	27.61	45	00.5	G0	CZ	3023	P -41 777
63	10.1E	9.5Z	38 7.528	-0.0012		12 -48 36 20.01	0.018	12	0.72	7.584	45	03.0	20.87	45	03.0	A5	CZ	3031	P -48 696
64	8.9E	8.5Z	38 15.728	-0.0004		12 -42 55 4.30	0.012	12	0.73	15.748	45	01.1	4.91	45	01.1	G5	CZ	3026	P -42 718
65		7.7T	38 21.330	0.0009		15 -41 32 20.82	-0.009	13	0.73	21.288	18	01.4	20.33	21	98.4	K0	GC	7092	C -41 2004
66	10.7E	9.7*	38 24.441	0.0013		12 -46 32 19.33	-0.030	12	0.65	24.378	31	01.0	17.86	28	01.0		CZ	3034	P -46 612
67	10.2E	8.5Z	38 26.167	-0.0009		12 -43 30 19.58	-0.003	12	0.74	26.231	45	00.1	19.44	45	00.1	K0	CZ	3032	P -43 651
68	9.9E	9.0*	38 30.236	-0.0023		12 -49 52 39.70	-0.005	12	0.65	30.344	31	02.0	39.46	28	02.0	A3	CZ	3037	P -49 754
69	9.9E	9.7Z	38 31.581	-0.0004		12 -42 13 36.12	-0.004	12	0.73	31.601	45	01.1	34.95	45	01.1	F5	CZ	3033	P -42 722
70	9.7E	7.8Z	38 41.145	-0.0010		12 -43 36 34.92	0.014	12	0.74	41.194	45	00.1	35.64	45	00.1	K2	CZ	3036	P -43 652
71	10.3E	9.2Z	38 43.834	-0.0013		12 -49 29 9.77	0.005	12	0.71	43.895	45	03.5	10.00	45	03.5		CZ	3038	P -49 757
72	10.3E	9.5Z	38 45.613	-0.0027		12 -40 16 3.05	-0.031	12	0.86	45.752	63	98.9	1.44	57	98.9	G0	CZ	3035	P -40 788
73	10.1E	8.8Z	39 0.427	-0.0002		12 -49 33 52.15	-0.007	12	0.65	0.439	31	02.1	51.82	28	02.1	G5	CZ	3041	P -49 758
74	10.3E	9.5Z	39 4.230	0.0010		12 -45 45 52.03	0.003	12	0.65	4.183	31	01.7	52.17	28	01.7	K0	CZ	3040	P -45 683
75	10.4E	9.9*	39 41.043	0.0014		12 -46 10 6.46	-0.004	12	0.65	40.976	31	01.0	5.28	28	01.0		CZ	3042	P -46 616
76	9.7E	8.2Z	39 51.929	-0.0010		12 -42 17 49.04	-0.009	12	0.86	51.980	28	99.6	48.59	26	99.6	K2	CZ	3044	P -42 726
77	9.8E	9.0Z	39 52.854	-0.0019		12 -41 44 43.88	0.003	12	0.86	52.951	28	99.2	43.82	26	99.2	K0	CZ	3043	P -41 705
78		8.7T	40 12.339	0.0002		14 -44 56 58.88	0.010	13	0.71	12.328	19	00.6	59.16	18	98.3	K2	GC	7145	C -44 2190
79		7.2T	40 13.408	-0.0025		17 -48 18 26.14	0.016	13	0.77	13.515	19	02.0	26.97	18	98.8	A0	GC	7146K	C -48 1930
80	10.4E	9.4*	40 16.949	-0.0035		12 -40 17 42.25	0.022	12	0.68	17.122	28	98.0	43.36	26	98.0	F8	CZ	3045	P -40 792
81	10.3E	9.5Z	40 23.642	-0.0010		12 -48 30 14.95	-0.077	12	0.65	23.690	31	01.7	11.25	28	01.7		CZ	3051	P -48 700
82		7.5T	40 38.184	-0.0019		17 -43 31 52.87	0.028	13	0.78	38.276	17	00.9	54.30	17	98.5	K0	GC	7156	C -43 1987
83	10.7E	8.8Z	41 19.772	-0.0008		12 -43 29 16.89	-0.007	12	0.65	19.811	28	99.3	16.54	24	99.3		CZ	3055	P -43 660
84	8.9E	9.0Z	41 20.974	-0.0019		12 -43 49 18.35	0.000	12	0.66	21.089	28	99.3	18.36	26	99.3	A3	CZ	3056	P -43 661
85		7.5T	41 23.988	-0.0028		12 -45 15 25.91	0.008	11	0.63	24.114	15	97.6	26.37	17	94.8	B9	GC	7166	C -45 2124
86	9.3E	8.2Z	41 29.982	0.0007		12 -42 52 11.69	-0.012	12	0.65	29.927	28	99.8	11.11	26	99.8	B8	CZ	3059	P -42 733
87	9.0E	9.0Z	41 31.740	0.0030		12 -40 10 58.76	0.060	12	0.66	31.589	28	99.4	+ 1.78	26	99.4	G0	CZ	3057	P -40 800
88	9.8E	9.3*	41 37.090	-0.0002		12 -40 47 4.43	-0.014	12	0.66	37.061	28	99.2	3.71	26	99.2	F8	CZ	3060	P -40 802
89		7.6I	41 50.156	-0.0013		15 -46 28 30.99	0.008	13	0.74	50.221	21	00.3	31.43	19	97.4	N	GC	7178V	C* -46 1969
90	10.7E	9.0Z	41 50.551	-0.0043		12 -44 33 52.66	-0.141	12	0.66	50.763	31	00.3	45.67	28	00.3	G0	CZ	3062	P -44 707
91	9.5E	8.8*	42 5.982	0.0039		12 -47 50 48.58	0.222	12	0.64	5.794	28	01.7	59.29	26	01.7	K0	CZ	3065	P -47 635
92	9.4E	9.5*	42 6.679	-0.0003		12 -42 12 6.48	-0.058	12	0.66	6.695	28	99.7	3.57	26	99.7	F8	CZ	3064	P -42 735
93	8.7E	9.5Z	42 7.162	0.0017		12 -41 48 53.41	0.007	12	0.65	7.078	28	00.4	53.77	26	00.4	A0	CZ	3063	P -41 788
94	9.8E	9.0Z	42 8.985	0.0011		12 -49 32 23.77	-0.035	12	0.71	8.917	45	03.5	25.40	45	03.5	F8	CZ	3070	P -49 766
95	9.9E	8.2*	42 10.110	-0.0008		12 -47 34 1.12	-0.011	12	0.64	10.149	28	01.7	0.58	26	01.7	MA	CZ	3067	P -47 636
96		7.6T	42 11.865	-0.0023		10 -49 51 49.29	0.005	08	0.42	11.960	15	08.8	49.52	17	07.3	B9	GC	7185	C -49 1854
97		6.3T	42 15.897	0.0020		05 -45 51 17.68	0.092	05	0.23	15.814	09	08.2	21.81	09	05.3	F0	GC	7189	C -45 2131
98		8.0T	42 17.168	-0.0014		16 -45 38 33.59	0.002	10	0.68	17.235	24	03.6	33.71	22	97.7	K0	GC	7190	C -45 2132
99		8.9T	42 19.500	-0.0052		15 -45 45 44.25	-0.001	12	0.70	19.743	24	03.4	44.31	22	00.5	M0	GC	7194	C -45 2133
00	9.3E	9.3Z	42 20.027	0.0028		12 -42 10 56.64	-0.025	12	0.73	19.891	45	01.0	55.42	45	01.0	F5	CZ	3066	P -42 737

217500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 5H DM NUMBER
1	10.6E	9.7*	5 42 30.217	-0.0005	12	-49 11 8.95	0.001	12	0.65	30.241	31	02.1	9.01	28	02.1		CZ	3075	P -49 768
2	9.5E	8.8Z	42 33.553	-0.0002	12	-41 7 36.30	-0.005	12	0.65	33.565	28	00.3	36.04	26	00.3	K2	CZ	3072	P -41 781
3	9.4E	9.0Z	42 36.345	-0.0016	12	-40 1 32.47	0.038	12	0.83	36.422	63	02.1	34.27	57	02.1	G0	CZ	3073	P -40 804
4	9.9E	9.5Z	42 38.815	-0.0005	12	-41 20 38.15	-0.022	12	0.73	38.840	45	02.1	37.09	45	02.1	G0	CZ	3076	P -41 794
5	9.1E	8.0Z	42 58.902	0.0003	12	-49 11 37.27	0.000	12	0.71	58.888	45	03.5	37.28	45	03.5	K0	CZ	3078	P -49 771
6	10.0E	9.0Z	42 59.243	-0.0020	12	-46 13 53.01	0.010	12	0.65	59.342	31	01.0	53.49	28	01.0	K0	CZ	3077	P -46 625
7	9.5E	8.5Z	43 18.613	-0.0046	12	-46 18 52.11	0.013	12	0.72	19.033	45	02.5	52.72	45	02.5	K0	CZ	3081	P -46 627
8	9.8E	10.0Z	43 19.435	-0.0013	12	-46 19 43.28	0.006	12	0.72	19.498	45	02.5	43.56	45	02.5	A2	CZ	3082	P -46 628
9		7.5T	43 29.094	0.0007	13	-40 13 5.31	-0.010	12	0.67	29.056	19	99.7	4.78	18	96.5	K0	KC	7216	C -40 2064
10		7.1T	43 30.827	0.0026	15	-41 46 3.95	0.019	13	0.73	30.693	18	01.6	4.91	21	98.4	A5	GC	7218	C -41 2048
11	10.7E	9.0Z	43 35.916	0.0003	12	-45 8 23.97	-0.002	12	0.67	35.899	31	99.3	23.86	28	99.3		CZ	3084	P -45 681
12	8.7E	8.3Z	43 36.954	0.0003	12	-41 6 42.12	-0.042	12	0.73	36.941	45	02.1	40.09	45	02.1	A3	CZ	3085	P -41 802
13	9.6E	9.7H	43 59.027	0.0005	12	-44 57 51.76	0.005	12	0.75	59.000	45	99.0	52.03	45	99.0	A0	CZ	3087	P -44 717
14	10.1E	9.1Z	44 7.999	-0.0000	12	-41 25 31.87	-0.005	12	0.73	8.001	45	02.1	31.62	45	02.1	K0	CZ	3088	P -41 803
15	8.8E	8.0Z	44 8.619	-0.0022	12	-40 16 23.32	-0.046	12	0.83	8.725	63	02.1	21.10	57	02.1	K0	CZ	3086	P -40 811
16	8.9E	8.5Z	44 13.317	0.0027	12	-47 24 2.02	-0.001	12	0.72	13.191	45	02.9	1.97	45	02.9	F5	CZ	3093	P -47 645
17		7.2T	44 27.612	-0.0028	14	-47 1 28.34	-0.018	12	0.69	27.751	17	00.3	27.40	18	96.9	F0	GC	7238	C -47 2017
18	10.6E	10.0Z	44 27.667	-0.0000	12	-43 16 57.63	-0.012	12	0.74	27.668	45	00.0	57.06	45	00.0	F2	CZ	3094	P -43 670
19	8.9E	8.8Z	44 29.394	0.0002	12	-43 17 2.93	-0.021	12	0.66	29.384	28	99.1	1.89	26	99.1	F2	CZ	3095D	P*-43 670
20	10.3E	9.5*	44 31.367	0.0008	12	-42 48 35.16	0.008	12	0.66	31.327	28	99.6	35.59	26	99.6		CZ	3096	P -42 741
21		5.1T	45 4.114	-0.0002	06	-46 36 52.39	0.021	05	0.29	4.123	14	04.0	53.51	12	97.3	K0	GC	7257K	C -46 1999
22	9.2E	9.3Z	45 4.525	-0.0001	12	-40 45 50.19	-0.004	12	0.83	4.530	63	02.1	49.98	57	02.1	F8	CZ	3098	P -40 817
23	9.5E	8.9Z	45 5.448	0.0025	12	-47 59 25.21	0.052	12	0.72	5.331	45	03.0	27.65	45	03.0	F5	CZ	3100	P -48 716
24	9.5E	8.5Z	45 6.371	-0.0006	12	-49 17 57.29	0.037	12	0.65	6.400	31	02.0	59.07	28	02.0	G5	CZ	3103	P -49 780
25	8.7E	9.0Z	45 18.373	-0.0026	12	-45 23 48.60	0.003	12	0.74	18.513	45	00.0	48.74	45	00.0	F5	CZ	3104	P -45 685
26	9.5E	8.0H	45 20.150	-0.0007	12	-42 10 5.17	-0.013	12	0.66	20.186	28	99.7	4.53	26	99.7	K0	CZ	3101	P -42 744
27	9.3E	9.2Z	45 23.469	-0.0006	12	-44 9 3.33	0.011	12	0.75	23.498	45	99.0	3.91	45	99.0	A0	CZ	3105	P -44 723
28	8.2E	8.0Z	45 30.532	-0.0001	12	-48 24 46.31	-0.023	12	0.67	30.537	36	03.0	45.22	36	03.0	F2	CZ	3113	P -48 718
29	9.9E	9.0Z	45 30.991	-0.0027	12	-40 54 26.76	0.006	12	0.83	31.121	63	02.1	27.03	57	02.1	G0	CZ	3106	P -40 818
30		7.6T	45 32.128	0.0067	13	-45 39 56.24	0.144	12	0.67	31.799	19	00.7	+ 3.66	18	98.6	F5	GC	7270	C -45 2160
31		8.0T	45 32.965	-0.0018	13	-44 48 59.72	-0.012	12	0.68	33.052	18	00.5	59.09	18	98.3	A2	GC	7272K	C*-44 2247
32	11.0E	10.1H	45 34.673	-0.0017	12	-44 49 8.27	-0.012	12	0.75	34.758	45	99.0	7.68	45	99.0	A2	CZ	3108	P -44 725
33	9.8E	9.4Z	45 36.280	-0.0009	12	-47 41 44.15	0.022	12	0.67	36.323	36	02.9	45.18	36	02.9		CZ	3114	P -47 652
34	9.9E	9.2Z	45 37.868	0.0011	12	-43 8 16.03	0.018	12	0.74	37.814	45	00.0	16.95	45	00.0	G0	CZ	3110	P -43 675
35	9.2E	8.3Z	45 44.560	-0.0016	12	-40 20 18.13	-0.005	12	0.83	44.638	63	02.1	17.88	57	02.1	K0	CZ	3111	P -40 819
36	8.8E	9.0*	45 46.260	0.0002	12	-41 10 45.31	-0.007	12	0.65	46.251	28	00.4	44.95	26	00.4	A0	CZ	3112	P -41 809
37		6.9T	45 54.988	-0.0008	06	-41 36 22.96	-0.022	05	0.25	55.022	09	08.3	21.96	09	05.3	M0	GC	7282	C -41 2066
38	10.0E	9.5Z	46 1.149	-0.0006	12	-40 39 14.65	-0.005	12	0.83	1.178	63	02.1	14.40	57	02.1	G5	CZ	3117	P -40 820
39	8.3E	8.0Z	46 8.132	0.0003	12	-48 45 53.76	0.009	12	0.63	8.117	28	02.0	54.21	26	02.0	F2	CZ	3122	P -48 723
40	8.9E	8.3*	46 9.121	0.0003	12	-48 9 10.01	0.021	12	0.63	9.107	28	02.0	11.01	26	02.0	A0	CZ	3121	P -48 721
41	8.7E	9.1Z	46 11.926	-0.0049	12	-40 4 52.78	0.094	12	0.83	12.161	63	02.1	57.26	57	02.1	G5	CZ	3118	P -40 822
42	9.6E	9.5Z	46 20.756	-0.0006	12	-40 23 23.13	0.023	12	0.83	20.785	63	02.1	24.21	57	02.1	G5	CZ	3119	P -40 823
43		6.5T	46 21.632	-0.0001	16	-40 40 6.49	0.032	12	0.74	21.639	15	00.7	8.18	15	97.4	K0	GC	7294	C -40 2065
44	10.7E	9.8*	46 29.060	-0.0012	12	-44 0 32.00	0.007	12	0.66	29.110	28	99.0	32.37	26	99.0		CZ	3124	P -44 727
45	8.7E	8.5Z	46 30.958	-0.0018	12	-48 30 16.77	0.014	12	0.63	31.044	28	02.0	17.45	26	02.0	A2	CZ	3126	P -48 724
46	10.4E	9.4*	46 52.165	-0.0004	12	-44 50 30.17	-0.025	12	0.66	52.184	28	99.0	28.91	26	99.0		CZ	3129	P -44 730
47		7.2T	46 56.090	-0.0020	16	-48 56 0.58	0.024	13	0.75	56.183	22	02.3	1.81	21	98.0	A0	GC	7307K	C*-48 1991
48	9.4E	9.5Z	46 59.472	0.0025	12	-40 58 24.80	0.037	12	0.83	59.354	63	02.1	26.55	57	02.1	G0	CZ	3128	P -41 816
49	9.8E	9.8Z	47 4.241	-0.0012	12	-47 8 33.18	-0.014	12	0.64	4.299	28	01.7	32.50	26	01.7		CZ	3132	P -47 655
50	9.3E	8.0Z	47 5.622	-0.0009	12	-48 59 49.97	0.020	12	0.71	5.663	45	03.5	50.91	45	03.5		CZ	3134	P -49 789
51		8.2T	5 47 14.622	-0.0034	14	-42 20 25.37	-0.045	12	0.69	14.793	17	00.0	22.99	17	97.7	G0	GC	7312	C -42 2163
52	10.2E	9.6*	47 19.895	0.0038	12	-47 30 16.68	0.023	12	0.65	19.710	31	01.3	17.79	28	01.3		CZ	3137	P -47 657
53		8.8T	47 21.188	-0.0006	13	-42 17 51.69	-0.010	12	0.70	21.219	22	00.4	51.13	19	96.7	A0	GC	7316	C -42 2164
54	9.1E	9.1*	47 24.650	-0.0009	12	-42 49 0.93	0.013	12	0.65	24.695	28	00.7	1.59	26	00.7	A0	CZ	3135	P -42 754
55	9.4E	9.3*	47 30.923	0.0011	12	-41 14 40.93	0.003	12	0.64	30.871	28	01.4	41.06	26	01.4	F8	CZ	3136	P -41 818
56		7.7T	47 31.614	-0.0025	14	-46 19 49.21	0.012	11	0.66	31.738	17	00.6	49.87	18	96.3	A3	GC	7318	C -46 2024
57		8.2T	47 54.723	0.0010	14	-44 41 48.24	0.021	12	0.71	54.672	22	01.0	49.35	19	96.7	K0	GC	7329	C*-44 2271
58	9.5E	9.0Z	48 3.751	-0.0006	12	-41 3 24.39	0.008	12	0.71	3.780	45	03.6	24.74	45	03.6	K5	CZ	3140	P -41 820
59		6.3T	48 6.853	-0.0011	09	-44 53 20.41	-0.012	07	0.39	6.900	14	06.4	20.98	12	01.3	K2	GC	7336	C -44 2274
60	9.6E	9.3Z	48 10.463	-0.0008	12	-41 37 40.59	-0.063	12	0.71	10.501	45	03.6	37.68	45	03.6	G0	CZ	3141	P -41 821
61	9.4E	9.1Z	48 16.843	-0.0002	12	-43 31 20.50	-0.059	12	0.74	16.852	45	00.1	17.57	45	00.1	G0	CZ	3144D	P*-43 692
62	9.9E	9.3Z	48 17.155	-0.0014	12	-41 42 45.33	-0.008	12	0.71	17.221	45	03.6	44.97	45	03.6	F2	CZ	3143	P -41 823
63		7.6T	48 20.320	-0.0025	14	-43 22 41.01	0.027	13	0.71	20.441	18	01.6	42.40	21	98.1	B8	GC	7342	C -43 2075
64	9.1E	9.3Z	48 35.827	-0.0019	12	-42 0 36.71	0.009	12	0.65	35.922	28	00.7	37.16	26	00.7	F2	CZ	3146	P -42 758
65	9.1E	8.5Z	48 57.311	0.0030	12	-43 42 53.44	0.213	12	0.66	57.156	28	99.0	+ 4.32	26	99.0	G5	CZ	3147	P -43 698
66		7.4T	49 6.350	-0.0004	17	-48 59 56.05	0.019	13	0.77	6.367	19	02.2	57.01	18	98.3	G5	GC	7360	C -49 1907
67	9.5E	9.5Z	49 12.245	-0.0014	12	-41 57 35.03	-0.003	12	0.71	12.311	45	03.6	34.90	45	03.6	A2	CZ	3150	P -41 825
68	8.4E	8.5Z	49 23.525	-0.0010	12	-40 19 36.35	-0.013	12	0.83	23.573	63	02.1	35.71	57	02.1	F0	CZ	3151	P -40 834
69	9.3E	9.2Z	49 23.917	0.0004	12	-46 52 39.82	-0.053	12	0.66	23.898	28	99.6	37.14	26	99.6		CZ	3154	P -46 648
70	10.5E	9.5Z	49 27.513	-0.0025	12	-45 45 22.68	-0.007	12	0.69	27.644	31	98.0	22.31	28	98.0	K0	CZ	3155	P -45 704
71	10.2E	9.6Z	49 42.889	0.0009	12	-40 44 3.25	0.046	12	0.83	42.847	63	02.1	5.43	57	02.1	F8	CZ	3156	P -40 836
72	9.1E	9.0Z	49 44.421	0.0015	12	-43 33 7.33	0.016	12	0.74	44.345	45	00.1	8.14	45	00.1	A0	CZ	3160	P -43 701
73	9.4E	9.0Z	49 47.572	-0.0021	12	-41 58 23.87	0.002	12	0.64	47.675	28	01.3	23.98	26	01.3	G5	CZ	3159	P -41 829
74	9.4E	9.0Z	49 50.346	-0.0019	12	-40 31 18.01	-0.009	12	0.83	50.457	63	02.1	17.57	57	02.1	F8	CZ	3158	P -40 838
75	9.1E	8.9*	50 0.403	0.0001	12	-44 32 20.74	0.024	12	0.68	0.396	31	98.7	21.99	28	98.7	K0	CZ	3164	P -44 739
76	8.0E	8.0Z	50 3.458	-0.0026	12	-41 41 36.85	0.014	12	0.71	3.579	45	03.6	37.52	45	03.6	G0	CZ	3161D	P*-41 831
77	8.4E	8.0Z	50 8.341	-0.0014	12	-40 9 28.48	0.002	12	0.64	8.413	24	99.5	28.56	20	99.5	G5	CZ	3163	P -40 840
78	9.8E	9.5Z	50 9.721	0.0005	12	-42 30 29.49	-0.063	12	0.72	9.697	45	02.5	26.48	45	02.5	K0	CZ	3167	P -42 763
79	9.1E	9.0Z	50 9.984	-0.0020	12	-40 42 20.22	0.019	12	0.83	10.081	63	02.1	21.11	57	02.1	F0	CZ	3165	P -40 842
80	9.9E	8.7Z	50 13.814	-0.0014	12	-49 20 37.46	0.006	12	0.71	13.879	45	03.5	37.75	45	03.5	K2	CZ	3172	P -49 797
81	9.8E	9.4Z	50 15.276	-0.0029	12	-42 1 42.47	-0.029	12	0.72	15.415	45	02.5	41.10	45	02.5	G0	CZ	3168	P -42 764
82		8.7T	50 17.976	0.0010	22	-44 1 35.36	-0.100	22	1.04	17.929	21	04.6	30.81	21	04.6	F0	GC	7393	C -44 2295
83		6.6T	50 19.928	0.0006	08	-41 6 58.59	0.006	07	0.35	19.904	09	08.0	58.85	09	06.6	K5	GC	7396	C -41 2109
84	9.4E	9.5Z	50 42.039	-0.0017	12	-48 43 44.37	-0.009	12	0.65	42.120	31	01.7	43.95	28	01.7	A3	CZ	3174	P -48 736
85	9.7E	9.5Z	50 54.854	-0.0024	12	-45 26 13.95	0.050	12	0.69	54.973	36	00.3	16.43	36	00.3	G5	CZ	3175	P -45 707
86	9.6E	9.7Z	50 57.425	-0.0013	12	-40 14 12.61	-0.024	12	0.83	57.488	63	02.1	11.44	57	02.1	F5	CZ	3173	P -40 846
87	9.4E	9.4Z	51 2.323	-0.0018	12	-48 6 3.74	-0.006	12	0.72	2.408	45	03.0	3.45	45	03.0		CZ	3180	P -48 737
88	10.3E	9.0*	51 2.365	0.0003	12	-43 6 55.37	0.024	12	0.66	2.350	28	99.1	56.57	26	99.1	G5	CZ	3176	P -43 706
89	9.6E	9.2*	51 6.570	0.0001	12	-49 35 42.18	0.005	12	0.65	6.563	31	02.1	42.42	28	02.1	F0	CZ	3183	P -49 799
90	8.4E	9.0Z	51 8.516	-0.0013	12	-47 53 7.36	-0.008	12	0.67	8.578	36	03.0	6.98	36	03.0	A0	CZ	3181	P -47 669
91	8.8E	8.0Z	51 13.161	0.0030	12	-49 5 37.52	-0.058	12	0.71	13.022	45	03.5	34.83	45	03.5	G5	CZ	3184	P -49 800
92	8.4E	8.8*	51 13.395	-0.0099	12	-42 47 2.00	-0.083	12	0.64	13.872	28	01.8	-57.97	26	01.8	G5	CZ	3179	P -42 766
93	9.5E	8.5Z	51 14.570	-0.0012	12	-40 48 2.22	-0.031	12	0.83	14.629	63	02.1	0.72	57	02.1	K5	CZ	3177	P -40 850
94	10.5E	10.0*	51 23.787	-0.0003	12	-47 35 56.87	-0.000	12	0.64	23.802	28	01.7	56.86	26	01.7		CZ	3186	P -47 670
95	7.9E	8.5Z	51 26.666	-0.0014	12	-45 18 38.84	-0.034	12	0.66	26.738	28	99.7	37.14	26	99.7	A2	CZ	3185	P -45 712
96	8.4E	8.0Z	51 36.047	-0.0015	12	-48 23 10.99	0.024	12	0.65	36.120	31	01.7	12.14	28	01.7	A2	CZ	3188	P -48 742
97		8.3T	51 44.641	0.0007	17	-41 57 51.53	0.009	13	0.78	44.608	18	01.2	51.97	18	98.5	A0	GC	7428K	C*-41 2119
98		6.6T	51 49.835	-0.0009	08	-47 57 53.07	0.009	07	0.37	49.873	15	06.4	53.49	15	04.9	K2	GC	7430K	C -47 2077
99		6.3T	51 51.215	0.0004	13	-42 55 49.90	0.009	12	0.70	51.195	18	00.0	50.38	19	96.2	K0	GC	7431	C -42 2205
00		8.2T	51 57.204	0.0002	17	-43 34 1.76	-0.075	14	0.80	57.193	18	01.2	-57.88	17	98.4	G0	GC	7434	C -43 2114

217600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 5H DM NUMBER
1	8.7E	8.5Z	5 32 3.981	-0.0002	12	-45 32 50.18	0.002	12	0.66	3.983	28	99.7	50.27	26	99.7	A0	CZ	3194	P -45 716
2	9.4E	9.7Z	32 5.595	0.0007	12	-42 28 17.27	-0.023	12	0.70	5.564	45	05.1	16.16	45	05.1	F5	CZ	3192	P -42 772
3	10.3E	9.5K	32 14.840	0.0016	12	-40 24 56.65	0.022	12	0.69	14.757	31	97.6	57.79	28	97.6	F8	CZ	3193	P -40 856
4		8.0T	32 18.460	0.0002	13	-42 14 24.26	0.102	12	0.67	18.451	15	98.9	29.68	17	98.7	F2	GC	7447	C -42 2215
5	9.6E	9.5Z	32 20.052	-0.0013	12	-45 42 0.93	-0.016	12	0.73	20.117	45	01.4	0.15	45	01.4	K0	CZ	3197	P -45 720
6	9.5E	9.0Z	32 24.277	-0.0014	12	-40 0 11.00	0.007	12	0.86	24.351	63	98.0	11.35	57	98.0	G5	CZ	3196	P -40 859
7	9.4E	8.5Y	32 27.186	-0.0022	12	-48 7 0.19	0.016	12	0.72	27.230	45	03.0	0.93	45	03.0	K2	CZ	3200	P -48 745
8		8.5T	32 31.845	0.0005	16	-41 21 8.45	-0.017	13	0.74	31.223	19	01.5	7.60	18	99.8	F8	GC	7453	C -41 2127
9	9.7E	9.5Z	32 46.185	0.0036	12	-44 40 37.83	-0.061	12	0.72	45.993	45	02.5	34.95	45	02.5	G0	CZ	3201D	P -44 744
10		7.4T	32 50.649	-0.0014	15	-47 11 36.86	-0.019	12	0.71	50.716	17	00.8	35.88	18	97.3	K0	GC	7456	C -47 2085
11	9.5E	9.0K	33 3.817	0.0010	12	-46 39 2.43	0.020	12	0.67	3.768	31	99.7	3.43	28	99.7	A2	CZ	3203	P -46 681
12		6.2T	33 88.068	0.0006	14	-49 36 3.83	0.014	08	0.61	26.039	19	01.2	4.67	17	92.1	B5	GC	7473	C -49 1945
13	8.2E	9.0Z	33 88.533	-0.0001	12	-41 39 20.09	-0.004	12	0.65	26.539	28	00.1	19.90	28	00.1	A0	CZ	3205	P -41 843
14	10.1E	9.3K	33 27.351	-0.0041	12	-42 47 44.24	-0.024	12	0.63	27.546	28	02.2	43.11	28	02.2	G5	CZ	3206	P -42 781
15	8.6E	8.5Z	33 30.489	0.0052	12	-47 39 2.85	0.105	12	0.72	30.245	45	03.0	7.78	45	03.0	G0	CZ	3209	P -47 678
16	9.3E	9.2Z	33 34.779	-0.0017	12	-49 0 29.30	0.003	12	0.71	34.857	45	03.5	29.45	45	03.5	F5	CZ	3212	P -49 809
17	9.8E	9.5Z	33 41.816	-0.0049	12	-40 42 1.45	0.010	12	0.86	42.072	63	98.0	1.96	57	98.0	G0	CZ	3208	P -40 886
18	9.1E	8.5Z	33 45.873	0.0004	12	-44 34 6.76	0.009	12	0.72	45.853	45	02.5	7.20	45	02.5	F5	CZ	3211	P -44 746
19	9.8E	9.0Z	33 34.762	-0.0001	12	-45 35 5.70	0.003	12	0.73	34.768	45	01.4	5.84	45	01.4	K0	CZ	3213	P -45 724
20	8.6E	8.5Z	33 57.216	-0.0000	12	-45 49 23.80	-0.003	12	0.66	57.218	31	00.3	23.64	28	00.3	K0	CZ	3214	P -45 725
21	9.1E	8.5Z	33 59.774	0.0019	12	-49 38 43.32	0.009	12	0.71	59.683	45	03.5	43.73	45	03.5	K0	CZ	3221	P -49 811
22	9.3E	9.6Z	34 4.365	-0.0004	12	-42 41 18.42	0.012	12	0.70	4.402	45	05.1	18.98	45	05.1	F5	CZ	3215	P -42 783
23	10.0E	9.4K	34 10.670	0.0001	12	-44 47 2.17	0.001	12	0.65	10.663	31	01.1	2.23	28	01.1	F5	CZ	3220	P -44 747
24	9.6E	9.4Z	34 12.806	0.0023	12	-41 43 4.41	-0.032	12	0.73	12.684	45	01.5	2.87	45	01.5	G0	CZ	3216	P -41 847
25	9.5E	9.0Z	34 14.243	0.0003	12	-40 14 36.37	0.012	12	0.86	14.229	63	98.0	36.98	57	98.0	G5	CZ	3216	P -40 889
26	8.9E	8.5Z	34 19.749	0.0020	12	-44 18 56.73	-0.104	12	0.65	19.649	31	01.1	51.65	28	01.1	F2	CZ	3222	P -44 748
27	10.2E	9.7Z	34 23.881	-0.0012	12	-42 26 55.46	0.018	12	0.70	25.936	45	05.1	56.28	45	05.1	A0	CZ	3223	P -42 784
28	9.7E	8.1Z	34 26.583	-0.0026	12	-48 56 57.78	0.038	12	0.65	26.708	31	01.7	59.63	28	01.7	K0	CZ	3226	P -48 754
29	8.8E	9.0Z	34 34.418	-0.0008	12	-41 14 31.18	-0.013	12	0.65	34.459	26	00.0	30.51	24	00.0	A2	CZ	3224	P -41 849
30	10.3E	9.6K	34 41.749	-0.0014	12	-46 10 47.33	0.002	12	0.67	41.621	31	99.7	47.43	28	99.7		CZ	3227	P -46 667
31	8.2E	8.5Z	34 45.771	-0.0014	12	-40 33 7.12	0.044	12	0.86	45.845	63	98.0	9.39	57	98.0	F5	CZ	3225	P -40 874
32	9.6E	9.5Z	35 23.859	-0.0006	12	-49 27 22.44	0.006	12	0.65	23.868	31	01.7	22.74	28	01.7	A0	CZ	3233	P -49 821
33	9.4E	9.3Z	35 24.341	-0.0025	12	-40 22 43.36	0.007	12	0.86	24.472	63	98.0	43.71	57	98.0	A5	CZ	3229	P -40 877
34		6.7T	35 25.431	0.0046	08	-44 0 52.25	0.079	09	0.41	25.228	14	06.1	55.63	15	07.1	F5	GC	7522	C -44 2343
35	9.3E	9.5Z	35 25.531	-0.0008	12	-46 32 28.46	-0.000	12	0.67	25.572	31	99.7	28.46	28	99.7	A2	CZ	3232	P -46 670
36		8.5T	35 32.623	0.0007	14	-41 45 37.82	0.013	13	0.78	32.588	21	97.3	38.52	24	94.5	F2	GC	7526K	C -41 2147
37	8.2E	8.0Z	35 47.719	-0.0027	12	-40 24 9.65	0.063	12	0.86	47.860	63	98.0	12.91	57	98.0	F5	CZ	3234	P -40 880
38	9.7E	9.5Z	35 50.693	-0.0025	12	-40 54 16.86	0.031	12	0.86	50.824	63	98.0	18.45	57	98.0	G5	CZ	3235	P -40 881
39	10.0E	9.5K	35 54.959	-0.0019	12	-47 28 51.70	0.010	12	0.64	55.052	28	01.7	52.18	26	01.7	A3	CZ	3239	P -47 697
40	8.0E	8.2H	36 0.296	-0.0024	12	-40 7 55.09	-0.005	12	0.69	0.423	28	97.2	54.81	26	97.2	B5	CZ	3237	P -40 882
41	7.5E	8.2Z	36 0.410	-0.0031	12	-41 6 33.14	-0.001	12	0.65	0.565	28	00.1	33.08	26	00.1	B9	CZ	3238	P -41 856
42	10.1E	9.2K	36 9.816	-0.0005	12	-45 45 41.95	-0.003	12	0.65	9.842	28	00.8	41.80	26	00.8	A2	CZ	3240	P -45 731
43	10.1E	8.5Z	36 19.301	0.0003	12	-43 36 19.25	0.009	12	0.64	19.284	26	00.6	19.71	24	00.6	K5	CZ	3241	P -43 722
44	9.8E	8.0Z	36 23.785	-0.0021	12	-48 15 36.70	0.004	12	0.63	23.686	28	02.0	36.89	26	02.0	MA	CZ	3243	P -48 757
45	9.8E	9.5Z	36 37.294	-0.0003	12	-42 16 27.15	-0.062	12	0.62	37.309	26	02.3	23.24	24	02.3	G0	CZ	3242	P -42 788
46	9.4E	9.5Z	36 52.285	-0.0015	12	-47 44 42.12	0.002	12	0.67	52.335	36	03.0	42.21	36	03.0	A2	CZ	3245	P -47 690
47	10.0E	9.6Z	36 53.554	0.0008	12	-40 21 55.48	-0.038	12	0.86	53.514	63	98.0	53.49	57	98.0	G0	CZ	3244	P -40 884
48		5.7T	37 8.509	-0.0008	06	-44 2 13.93	0.014	05	0.28	8.542	12	07.6	14.58	12	02.2	K0	GC	7576	C -44 2363
49	9.9E	9.5Z	37 29.624	-0.0006	12	-43 7 5.53	-0.027	12	0.65	29.654	28	00.7	4.18	26	00.7	G5	CZ	3247	P -43 727
50		4.0H	37 36.885	0.0014	03	-42 49 1.39	-0.016	02	0.10	36.837	05	16.8	0.84	05	14.9	K0	F4	229	C -42 2266
51	9.7E	9.2Z	5 37 37.709	0.0003	12	-41 44 54.50	-0.012	12	0.74	37.695	45	00.1	53.91	45	00.1	G5	CZ	3249	P -41 862
52	8.9E	8.5Z	37 45.657	0.0005	12	-42 22 4.37	0.010	12	0.71	45.844	45	03.6	4.85	45	03.6	A2	CZ	3251	P -42 793
53	8.8E	8.6Z	37 50.386	0.0007	12	-42 3 24.76	0.025	12	0.71	50.354	45	03.6	25.95	45	03.6	F2	CZ	3252	P -42 794
54	10.1E	9.0Z	38 7.225	-0.0000	12	-47 52 29.26	0.013	12	0.65	7.226	31	01.3	29.88	28	01.3	K0	CZ	3256	P -47 694
55	9.2E	8.9Z	38 7.868	-0.0015	12	-40 57 32.14	0.012	12	0.86	7.947	63	98.0	32.75	57	98.0	F0	CZ	3254	P -40 890
56	9.4E	9.1Z	38 12.389	-0.0031	12	-43 39 12.32	-0.071	12	0.72	12.534	45	02.6	8.96	45	02.6	F5	CZ	3257	P -43 734
57	10.6E	9.8K	38 22.797	0.0046	12	-48 46 24.41	0.039	12	0.65	22.574	31	01.7	26.30	28	01.7		CZ	3261	P -48 759
58	9.1E	9.5Z	38 23.415	-0.0005	12	-45 17 32.61	0.010	12	0.65	23.438	31	01.7	33.09	28	01.7	F0	CZ	3260	P -45 740
59	9.8E	9.5Z	38 26.795	-0.0025	12	-40 28 40.56	-0.095	12	0.86	26.926	63	98.0	35.61	57	98.0	G0	CZ	3259	P -40 892
60	9.2E	8.5Z	38 30.864	-0.0060	12	-48 14 29.61	0.067	12	0.72	31.146	45	03.0	32.76	45	03.0	K0	CZ	3263	P -48 761
61		9.9K	38 35.332	-0.0010	17	-47 9 9.64	0.004	15	0.96	35.386	37	96.3	9.89	36	92.0		GC	7608	C -47 2135
62	9.2E	8.9K	38 35.408	0.0013	12	-46 36 31.13	-0.005	12	0.65	35.345	31	01.1	30.88	28	01.1	F0	CZ	3264	P -46 676
63		8.5T	38 38.897	0.0001	16	-44 16 30.55	0.014	20	0.88	38.891	24	05.3	31.16	24	05.1	F0	GC	7609	C -44 2379
64		7.7T	38 48.572	-0.0001	12	-44 0 23.47	-0.036	10	0.61	48.575	18	98.9	21.44	19	94.0	A3	GC	7613	C -44 2380
65	9.2E	9.4Z	38 53.912	0.0022	12	-42 28 33.86	0.018	12	0.71	53.810	45	03.6	34.71	45	03.6	F5	CZ	3266	P -42 798
66	9.3E	8.6Z	39 1.016	-0.0045	12	-48 26 6.43	-0.033	12	0.72	1.228	45	03.0	4.87	45	03.0	K0	CZ	3267	P -48 763
67	9.7E	9.0K	39 14.021	0.0010	12	-44 53 51.29	0.019	12	0.65	13.971	31	01.1	52.24	28	01.1	G5	CZ	3268	P -44 766
68		6.6T	39 19.263	-0.0014	09	-42 52 13.71	0.005	08	0.41	19.326	14	05.1	13.94	14	03.6	B8	GC	7626	C -42 2282
69	8.9E	9.0Z	39 19.854	-0.0016	12	-48 3 55.41	-0.015	12	0.72	19.930	45	03.0	54.70	45	03.0	B8	CZ	3271	P -48 764
70	9.1E	9.5Z	39 24.185	-0.0007	12	-46 0 46.30	0.008	12	0.72	24.220	45	02.5	46.68	45	02.5	F2	CZ	3270	P -46 678
71	10.5E	9.3K	39 29.116	0.0023	12	-49 54 45.51	-0.005	12	0.65	29.003	31	01.7	45.27	28	01.7		CZ	3275	P -49 837
72	8.0E	8.5Z	39 30.430	-0.0008	12	-44 18 27.39	-0.004	12	0.65	30.468	31	01.0	27.20	28	01.0	A2	CZ	3272	P -44 768
73	8.7E	9.0Z	39 35.785	-0.0026	12	-48 58 47.40	0.018	12	0.72	35.898	45	03.0	48.26	45	03.0	F0	CZ	3276	P -48 765
74		7.6T	39 36.010	0.0040	16	-43 54 10.32	0.035	13	0.76	35.808	15	99.9	12.13	15	97.7	F5	GC	7634	C -43 2196
75		8.1T	39 37.019	-0.0002	24	-46 19 48.66	0.055	28	1.21	37.029	21	04.1	51.15	21	05.0	A0	GC	7651	C -46 2144
76	9.4E	9.4Z	6 0 1.123	-0.0024	12	-40 15 53.12	0.080	12	0.86	1.248	63	98.0	57.27	57	98.0	G0	CZ	3277	P -40 894
77	9.5E	9.0Z	0 1.984	-0.0012	12	-40 8 10.32	0.006	12	0.86	2.047	63	98.0	10.62	57	98.0	G5	CZ	3278	P -40 895
78	9.5E	9.1Z	0 8.408	-0.0020	12	-41 9 42.82	0.027	12	0.74	8.509	45	00.1	44.15	45	00.1	A0	CZ	3280	P -41 872
79	9.8E	10.0Z	0 12.144	-0.0004	12	-42 1 9.25	-0.030	12	0.71	12.163	45	03.6	8.98	45	03.6	A3	CZ	3283	P -42 805
80	9.4E	8.5Z	0 15.896	-0.0009	12	-41 59 55.20	-0.143	12	0.83	15.940	63	02.1	48.36	57	02.1	G0	CZ	3284	P -41 874
81	9.2E	8.5Z	0 22.079	-0.0018	12	-49 5 1.95	0.004	12	0.65	22.166	31	01.7	2.15	28	01.7	K0	CZ	3288	P -49 838
82	9.4E	8.0Z	0 31.373	0.0028	12	-41 99 7.37	0.018	12	0.74	31.244	45	00.1	8.28	45	00.1	K0	CZ	3286	P -41 875
83	9.9E	9.0Z	0 38.474	-0.0025	12	-48 56 2.37	-0.032	12	0.65	38.594	31	01.7	0.83	28	01.7	F3	CZ	32910	P -48 767
84	9.3E	8.5Z	0 41.494	-0.0007	12	-40 14 56.39	0.031	12	0.89	41.532	31	97.5	58.00	28	97.5	K0	CZ	3287	P -40 898
85	9.2E	8.5Z	0 45.895	-0.0077	12	-44 0 42.83	0.317	12	0.72	46.259	45	02.5	57.89	45	02.5	G0	CZ	3290	P -44 772
86	10.1E	9.3K	0 46.085	0.0014	12	-43 49 19.91	0.009	12	0.65	45.994	28	00.7	20.37	26	00.7	F8	CZ	3289	P -43 745
87	8.9E	8.4K	0 53.088	-0.0007	12	-47 24 53.29	0.021	12	0.64	53.122	28	01.7	54.30	26	01.7	A3	CZ	3294	P -47 701
88	9.7E	9.2Z	0 53.488	0.0003	12	-46 15 29.81	0.038	12	0.67	53.476	36	02.7	31.60	36	02.7	K5	CZ	3292	P -46 687
89	9.9E	9.5K	1 8.182	-0.0008	12	-41 9 18.46	0.020	12	0.86	8.224	28	99.1	19.46	26	99.1	F2	CZ	3293	P -41 877
90		9.0T	1 10.868	-0.0034	13	-46 46 18.26	-0.011	12	0.86	10.836	19	00.7	17.71	19	98.9	F8	GC	7678	C -46 2155
91	9.7E	9.7K	1 13.557	-0.0000	12	-47 37 50.15	-0.004	12	0.64	13.557	28	01.7	49.94	26	01.7		CZ	3297	P -47 702
92	10.9E	9.3K	1 31.758	0.0008	12	-43 1 29.14	-0.021	12	0.65	31.717	28	00.3	28.12	26	00.3	MB	CZ	3298	P -43 747
93	9.2E	8.5K	1 44.098	-0.0011	12	-41 41 15.85	0.002	12	0.66	44.152	28	99.0	15.97	26	99.0	G5	CZ	3299	P -41 880
94	9.5E	8.5Z	1 49.727	-0.0007	12	-42 21 36.97	0.013	12	0.65	49.761	28	00.6	37.63	26	00.6	K0	CZ	3300	P -42 814
95	9.2E	8.7H	1 49.837	-0.0008	12	-44 52 0.37	0.045	12	0.65	49.874	28	00.8	2.61	26	00.8	F0	CZ	3301	P -44 775
96	9.3E	9.2Z	1 54.700	-0.0012	12	-45 11 32.30	-0.023	12	0.64	54.757	28	01.3	31.18	26	01.3		CZ	3302	P -45 751
97	9.8E	9.7Z	2 19.813	0.0002	12	-41 42 9.37	0.020	12	0.74	19.802	45	00.6	10.37	45	00.6	F8	CZ	3303	P -41 883
98	10.2E	9.6K	2 37.473	-0.0001	12	-49 28 51.99	-0.030	12	0.65	37.476	31	01.7	50.55	28	01.7		CZ	3307	P -49 851
99	7.9E	7.7Z	2 39.309	0.0010	12	-41 9 2.30	0.082	12	0.66	39.256	28	99.3	5.44	26	99.3	F5	CZ	3304D	P -41 885
00	9.4E	9.3K	2 49.397	-0.0015	12	-44 7 33.97	0.022	12	0.67	49.475	31	99.4	35.10	28	99.4	F0	CZ	3305	P -44 778

21 7700 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −40° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.1E	9.0*	6 2 51.185	0.0001	12	-43 52 13.40	-0.012	12	0.67	51.182	28	98.7	12.80	28	98.7	K0	CZ	3306	P -43 752
2		6.2H	3 1.985	-0.0086	03	-45 2 7.78	0.244	02	0.10	2.270	05	16.8	15.62	05	17.8	F8	F4	231	C -45 2300
3		6.8T	3 3.991	0.0020	12	-45 11 31.74	-0.005	10	0.61	3.890	22	99.8	31.48	21	99.4	K0	GC	7720	C -45 2301
4		8.2T	3 9.478	-0.0023	12	-47 28 39.07	0.085	11	0.48	9.568	17	10.7	42.50	15	09.8	F8	GC	7784	C -47 2175
5	9.0E	9.4Z	3 13.478	-0.0015	12	-42 21 27.62	0.002	12	0.74	13.551	45	00.6	27.73	45	00.6	A5	CZ	3312	P -42 820
6		5.8T	3 13.779	-0.0075	05	-45 4 39.73	0.255	05	0.27	14.123	12	04.0	52.39	12	00.4	F5	GC	7727K	C*-45 2302
7	9.4E	8.3H	3 26.309	-0.0019	12	-44 54 36.17	-0.001	12	0.74	26.401	45	00.1	36.15	45	00.1	K5	CZ	3315	P -44 784
8		6.4T	3 29.074	-0.0098	10	-48 27 11.56	-0.038	07	0.57	29.851	21	91.0	9.11	17	85.2	G5	GC	7731K	C*-48 2124
9	9.5E	8.5Z	3 39.375	-0.0026	12	-42 55 23.79	0.007	12	0.66	39.505	28	99.1	24.13	26	99.1	K0	CZ	3316	P -42 822
10	8.4E	8.4Z	3 41.818	-0.0007	12	-42 27 24.49	-0.004	12	0.74	41.851	45	00.6	24.30	45	00.6	F0	CZ	3317	P -42 823
11	8.6E	7.8H	3 52.331	-0.0006	12	-40 3 18.00	-0.042	12	0.69	52.360	31	97.9	15.80	28	97.9	K2	CZ	3319	P -40 908
12	9.7E	9.0Z	3 53.994	-0.0016	12	-40 37 34.95	-0.039	12	0.85	54.073	63	99.1	32.95	57	99.1	F5	CZ	3320	P -40 909
13	8.5E	9.5Z	3 56.936	-0.0036	12	-46 56 33.72	-0.058	12	0.72	57.109	45	02.5	30.96	45	02.5	K0	CZ	3321	P -46 886
14		9.0T	4 12.454	-0.0010	15	-44 5 10.71	0.021	13	0.73	12.501	22	01.9	11.78	21	98.4	K0	GC	7752	C -44 2427
15		7.7T	4 20.758	-0.0008	14	-43 55 45.82	-0.019	12	0.68	20.796	17	00.4	44.83	17	98.7	A5	GC	7760	C -43 2236
16	9.0E	8.3Z	4 25.755	-0.0016	12	-42 47 2.15	-0.015	12	0.74	25.832	45	00.6	1.39	45	00.6	G5	CZ	3324	P -42 827
17	9.6E	9.0Z	4 29.801	0.0006	12	-40 11 43.02	-0.013	12	0.69	29.772	31	98.1	42.33	28	98.1	F8	CZ	3323	P -40 910
18		7.4T	4 46.274	0.0036	08	-45 48 30.95	-0.089	06	0.36	46.121	15	07.2	28.15	15	02.3	F8	GC	7776	C -45 2309
19		6.9T	5 4.204	0.0002	09	-41 12 46.47	-0.004	08	0.40	4.197	15	06.4	46.29	14	05.0	A0	GC	7782	C -41 2227
20		6.2T	5 8.216	-0.0037	06	-42 17 29.33	0.003	06	0.28	8.377	12	06.9	29.45	12	03.7	A2	GC	7785	C*-42 2343
21		7.1T	5 28.434	0.0002	14	-49 12 59.17	0.079	12	0.69	28.822	17	00.7	3.23	18	98.3	A5	GC	7791	C -49 2081
22	9.3E	9.0Z	5 29.586	-0.0019	12	-46 30 33.97	0.008	12	0.85	29.482	31	01.0	34.36	28	01.0		CZ	3329	P -46 784
23	8.7E	8.8Z	5 34.021	-0.0011	12	-48 40 56.13	0.000	12	0.63	34.075	28	02.0	56.14	26	02.0	A5	CZ	3334	P -48 782
24		6.4T	5 34.782	0.0073	12	-45 5 4.05	0.045	08	0.57	34.412	19	99.5	6.62	18	93.2	K2	GC	7797	C*-45 2317
25		6.8T	5 36.140	-0.0088	11	-46 11 51.55	-0.028	09	0.57	36.603	18	97.5	49.95	17	92.3	F2	GC	7799	C -46 2202
26		8.5T	5 48.508	0.0002	14	-41 33 29.23	0.012	13	0.72	48.499	18	00.0	29.84	17	97.6	B9	GC	7804	C -41 2233
27	10.3E	9.4*	5 57.486	-0.0014	12	-48 4 41.13	-0.003	12	0.63	57.555	28	02.0	40.98	26	02.0		CZ	3339	P -48 784
28	10.1E	9.8*	6 6.956	-0.0017	12	-42 47 10.04	-0.026	12	0.65	7.039	28	00.1	8.77	26	00.1		CZ	3338	P -42 834
29		6.8T	6 19.484	0.0002	12	-44 43 15.75	0.035	07	0.55	19.472	18	98.3	17.87	17	89.0	A5	GC	7815	C*-44 2444
30		5.5T	6 19.651	-0.0006	07	-42 8 42.46	-0.014	05	0.28	19.678	09	06.6	41.79	09	03.6	A0	GC	7816	C*-42 2351
31		8.4T	6 28.061	0.0004	14	-44 28 10.82	0.020	11	0.68	28.039	18	99.6	11.88	17	96.0	A2	GC	7823	C -44 2446
32	8.3E	8.0Z	6 52.891	-0.0010	12	-41 15 50.21	-0.029	12	0.66	52.939	28	99.3	48.73	26	99.3	G5	CZ	3344	P -41 901
33	9.1E	8.0Z	6 55.276	-0.0002	12	-46 50 23.97	-0.015	12	0.64	55.287	28	01.5	23.24	26	01.5	K0	CZ	3345	P -46 711
34	7.6E	8.0H	7 3.602	-0.0009	12	-49 44 14.58	0.008	12	0.63	3.647	28	02.1	14.98	26	02.1	A0	CZ	3350	P -49 864
35		6.2T	7 6.186	-0.0019	07	-44 20 48.21	0.010	05	0.29	6.262	14	09.1	48.69	12	00.3	B9	GC	7835K	C -44 2452
36	7.9E	8.0H	7 7.594	-0.0012	12	-42 47 50.20	-0.000	12	0.66	7.652	28	99.3	50.18	26	99.3	A0	CZ	3346	P -42 842
37		7.6T	7 16.826	-0.0014	13	-43 48 9.88	0.006	13	0.71	16.896	18	99.2	10.17	18	97.7	A0	GC	7840	C -43 2256
38		7.7T	7 27.157	0.0002	13	-41 6 29.07	-0.029	12	0.68	27.149	15	99.2	27.54	17	97.1	A0	GC	7843	C -41 2246
39	9.6E	9.4Z	7 33.445	-0.0008	12	-41 46 28.27	0.003	12	0.74	33.483	45	00.6	28.43	45	00.6	A0	CZ	3354	P -41 904
40	9.4E	9.0Z	7 43.587	-0.0013	12	-42 40 31.46	0.012	12	0.66	43.651	28	99.3	32.10	26	99.3	F2	CZ	3355	P -42 845
41	9.4E	8.5Z	7 58.910	-0.0044	12	-46 16 15.36	0.063	12	0.72	59.118	45	03.0	18.32	45	03.0	G5	CZ	3359	P -46 714
42	9.9E	9.2Z	8 2.991	-0.0030	12	-40 52 38.70	-0.019	12	0.85	3.142	63	99.1	37.72	57	99.1	A2	CZ	3356	P -40 929
43		7.3T	8 5.962	-0.0065	15	-41 58 11.31	0.027	10	0.68	6.285	17	00.5	12.73	17	96.6	F8	GC	7863	C -41 2253
44	8.9E	8.5Z	8 5.995	-0.0007	12	-46 20 14.91	-0.008	12	0.72	6.029	45	03.0	14.53	45	03.0	A0	CZ	3360	P -46 715
45	9.6E	9.5Z	8 6.017	-0.0015	12	-47 14 41.44	0.035	12	0.65	6.092	31	01.3	43.13	28	01.3	F5	CZ	3362	P -47 725
46	7.4E	7.5Z	8 6.036	-0.0046	12	-41 58 11.65	0.021	12	0.66	6.267	28	99.3	12.73	26	99.3	F8	CZ	3358	P -41 905
47		6.4T	8 8.011	-0.0031	13	-49 33 11.32	0.081	12	0.68	8.163	18	01.0	15.55	21	98.0	F5	GC	7865	C -49 2084
48	9.5E	9.1Z	8 8.602	-0.0022	12	-45 19 59.91	0.011	12	0.73	8.708	45	01.6	0.44	45	01.6		CZ	3361	P -45 770
49	9.7E	9.0Z	8 9.534	-0.0022	12	-46 40 0.83	0.030	12	0.72	9.639	45	03.0	2.23	45	03.0	K2	CZ	3363	P -46 717
50		8.8T	8 27.148	0.0030	18	-49 31 22.86	0.037	22	0.94	27.014	24	05.1	24.52	24	05.6	K0	GC	7871	C -49 2089
51	10.4E	9.5*	6 8 27.417	0.0004	12	-42 12 48.28	0.000	12	0.66	27.396	28	99.4	48.29	26	99.4		CZ	3365	P -42 849
52	9.1E	9.0Z	8 28.350	0.0006	12	-46 32 44.20	0.006	12	0.65	28.322	31	01.3	44.49	28	01.3	F2	CZ	3368	P -46 719
53		5.6T	8 33.432	-0.0030	06	-40 20 36.31	0.075	05	0.26	33.568	09	05.3	39.76	09	04.0	M0	GC	7873	C -40 2291
54	9.0E	9.0Z	8 37.101	-0.0004	12	-41 13 22.34	-0.012	12	0.66	37.119	28	99.3	21.72	26	99.3	F8	CZ	3367	P -41 906
55	9.0E	9.2H	8 50.749	-0.0016	12	-49 58 51.84	0.044	12	0.72	50.825	45	03.1	53.91	45	03.1	F5	CZ	3372	P -49 873
56	9.4E	9.0Z	8 54.085	-0.0045	12	-40 43 25.16	-0.012	12	0.85	54.312	63	99.1	24.53	57	99.1	G5	CZ	3371	P -40 933
57	7.8E	8.0Z	9 11.016	-0.0041	12	-48 56 40.25	-0.037	12	0.65	11.213	31	01.7	38.48	28	01.7	F2	CZ	3376	P -48 796
58		6.2T	9 13.558	-0.0009	06	-45 16 11.98	0.003	05	0.27	13.597	10	06.0	12.14	09	02.8	B9	GC	7893	C -45 2349
59	10.0E	9.7Z	9 31.844	-0.0036	12	-40 17 46.53	-0.009	12	0.85	32.030	63	99.1	46.06	57	99.1		GC	3377	P -40 936
60		8.0T	9 36.519	-0.0022	13	-44 51 41.34	-0.012	12	0.67	36.629	19	99.5	40.70	18	97.5	A0	GC	7903	C -44 2481
61	9.1E	8.9Z	9 44.415	-0.0015	12	-42 34 32.76	0.000	12	0.74	44.487	45	00.6	32.78	45	00.6	A0	CZ	3379	P -42 854
62	9.4E	8.5Z	9 45.186	-0.0007	12	-44 12 38.52	-0.087	12	0.74	45.224	45	00.1	34.19	45	00.1	G5	CZ	3381	P -44 804
63	9.2E	9.0Z	9 47.413	-0.0004	12	-46 10 34.08	-0.008	12	0.72	47.434	45	03.0	33.70	45	03.0	F8	CZ	3384	P -46 729
64		7.1T	9 48.191	-0.0013	13	-44 54 5.30	-0.002	12	0.69	48.253	18	00.8	5.18	21	97.8	K2	GC	7906	C -44 2483
65	9.6E	9.5Z	9 50.035	-0.0017	12	-40 22 57.40	-0.010	12	0.85	50.120	63	99.1	56.88	57	99.1		CZ	3380	P -40 937
66	9.7E	9.5Z	9 55.213	0.0057	12	-41 33 42.04	-0.278	12	0.74	54.930	45	00.6	28.31	45	00.6	K0	CZ	3382	P -41 910
67	9.8E	9.2Z	10 0.515	-0.0014	12	-40 24 5.39	-0.028	12	0.85	0.584	63	99.1	3.94	57	99.1	K0	CZ	3385D	P -40 938
68	11.4E	10.0Z	10 0.776	-0.0030	12	-40 24 1.00	-0.020	12	0.85	0.927	63	99.1	-59.97	57	99.1	K0	CZ	3386D	P -40 938
69	8.5E	8.5Z	10 5.188	-0.0022	12	-44 25 24.66	-0.008	12	0.67	5.301	31	99.4	24.27	28	99.4	A0	CZ	3388	P -44 806
70	8.9E	9.0Z	10 11.233	-0.0031	12	-40 24 18.26	-0.020	12	0.85	11.389	63	99.1	17.23	57	99.1	G5	CZ	3387	P -40 940
71	10.0E	9.2*	10 12.632	-0.0004	12	-45 54 6.22	-0.014	12	0.66	12.653	31	00.4	5.52	28	00.4		CZ	3389	P -45 782
72	9.2E	8.0Z	10 17.543	-0.0009	12	-46 18 53.85	0.098	12	0.65	17.589	31	01.3	58.52	28	01.3	F5	CZ	3390	P -46 731
73		10.0H	10 38.547	-0.0018	20	-45 27 33.78	0.012	17	1.03	38.638	39	98.8	34.44	37	96.2	A	GC	7930	C -45 2363
74	8.9E	8.8Z	10 45.684	-0.0022	12	-48 36 27.64	0.008	12	0.72	45.789	45	03.0	28.03	45	03.0	A0	CZ	3392	P -48 802
75	9.5E	9.0*	10 49.169	-0.0009	12	-47 23 26.61	0.023	12	0.84	49.210	28	01.7	27.72	26	01.7	G0	CZ	3393	P -47 734
76	9.8E	9.0Z	10 57.280	-0.0041	12	-43 0 27.80	0.018	12	0.85	57.467	63	99.1	28.74	57	99.1		CZ	3391	P -42 860
77		7.9T	10 59.888	-0.0022	10	-42 59 32.21	0.001	08	0.41	59.982	15	07.5	32.25	14	04.0	F0	GC	7942	C -42 2400
78	10.0E	9.4*	11 9.527	-0.0021	12	-41 43 38.66	-0.008	12	0.66	9.632	28	99.2	38.27	26	99.2		CZ	3397	P -41 913
79	8.5E	8.0Z	11 10.466	-0.0045	12	-43 36 45.35	-0.159	12	0.86	10.697	28	99.1	37.27	26	99.1	G5	CZ	3398	P -43 777
80	8.4E	8.2Z	11 11.027	-0.0030	12	-49 20 46.54	-0.006	12	0.65	11.170	31	01.7	46.26	28	01.7	A0	CZ	3401	P -49 879
81	9.5E	9.5Z	11 14.896	-0.0011	12	-47 51 47.80	0.008	12	0.64	14.951	28	01.7	48.08	28	01.7	F5	CZ	3400	P -47 737
82	9.9E	9.1*	11 26.788	-0.0020	12	-42 27 15.07	0.002	12	0.66	26.888	28	99.6	15.18	26	99.6		CZ	3399	P -42 864
83	9.7E	9.0Z	11 29.697	-0.0018	12	-43 35 4.01	-0.017	12	0.65	29.790	26	99.1	3.16	24	99.1	F0	CZ	3403	P -43 780
84	8.3E	9.0Z	11 30.750	-0.0003	12	-41 56 0.81	0.012	12	0.69	30.783	36	00.1	1.42	36	00.1	F0	CZ	3402	P -41 916
85	8.4E	8.5Z	11 39.106	-0.0015	12	-40 32 48.92	0.012	12	0.67	39.181	28	98.4	49.53	26	98.4	F2	CZ	3404	P -40 945
86	9.3E	8.5Z	11 39.270	-0.0064	12	-49 2 30.43	0.163	12	0.72	39.573	45	03.1	38.09	45	03.1	K2	CZ	3405	P -49 883
87	8.8E	8.7H	11 59.689	-0.0029	12	-45 2 49.10	-0.015	12	0.65	59.852	28	00.3	48.35	26	00.3	A3	CZ	3407	P -45 788
88		10.5G	12 3.656	-0.0016	18	-45 17 27.59	0.017	16	0.88	3.732	33	01.9	28.42	29	02.0		GC	7975	C -45 2375
89	8.1E	8.0H	12 11.851	-0.0019	12	-45 1 21.97	-0.007	12	0.73	11.941	45	01.6	21.63	45	01.6	A5	CZ	3409	P -45 789
90	9.5E	9.0Z	12 17.510	0.0017	12	-41 26 38.86	0.033	12	0.74	17.425	45	00.6	40.47	45	00.6	F5	CZ	3408	P -41 918
91	9.2E	8.5Z	12 21.053	-0.0008	12	-44 43 32.46	0.002	12	0.67	21.091	31	99.4	32.58	28	99.4	F0	CZ	3411	P -44 815
92	9.8E	8.5Z	12 27.094	-0.0017	12	-41 15 58.94	-0.001	12	0.74	27.176	45	00.6	58.87	45	00.6	K0	CZ	3410	P -41 920
93	10.1E	9.4Z	12 33.073	-0.0011	12	-40 35 40.71	0.017	12	0.85	33.126	63	99.2	41.56	57	99.2	A0	CZ	3412	P -40 952
94		7.6T	12 37.645	-0.0036	14	-41 38 41.00	0.055	13	0.72	37.829	15	99.3	43.86	17	97.6	F2	GC	7990	C -41 2292
95	8.9E	9.5Z	12 40.153	-0.0025	12	-41 59 47.78	-0.002	12	0.66	40.277	28	99.4	47.69	26	99.4	A0	CZ	3414	P -41 922
96	9.7E	9.0Z	12 51.629	-0.0030	12	-42 4 48.44	0.024	12	0.73	51.773	45	01.1	49.63	45	01.1	K2	CZ	3416	P -42 867
97	8.9E	8.5Z	12 58.687	0.0119	12	-49 47 52.87	-0.331	12	0.65	58.113	31	01.7	36.89	28	01.7	K0	CZ	3422	P -49 894
98	8.2E	8.5Z	13 2.602	0.0011	12	-47 19 42.23	-0.015	12	0.72	2.548	45	02.9	41.52	45	02.9	F2	CZ	3421	P -47 743
99		8.8T	13 4.107	-0.0047	20	-43 13 19.35	0.026	13	0.80	4.315	24	05.8	20.57	24	02.8	F0	GC	8005	C -43 2322
00	10.1E	9.3Z	13 13.464	-0.0037	12	-40 21 26.57	-0.009	12	0.85	13.654	63	99.2	26.10	57	99.2		CZ	3420	P -40 954

217800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 6H DM NUMBER
1	9.8B	9.3Z	6 13 16.493	0.0001	12	-42 37 4.45	-0.044	12	0.73	16.486	45	01.1	2.32	45	01.1		CZ	3423	P -42 870
2	9.8B	8.8Z	13 22.070	-0.0005	12	-48 46 32.46	0.039	12	0.64	22.086	31	02.3	34.33	28	02.3	F5	CZ	3431	P -48 888
3		8.1+	13 28.084	-0.0014	20	-46 58 38.64	-0.004	14	0.84	28.088	24	04.2	39.45	21	99.7	K2	GC	8022	C -46 2278
4	9.1B	9.7Z	13 28.865	-0.0029	12	-40 5 11.55	0.005	12	0.68	29.018	28	97.9	11.80	28	97.9	F0	CZ	3427	P -40 956
5	8.0B	8.5Z	13 30.758	-0.0008	12	-46 23 34.28	-0.016	12	0.64	30.796	31	02.3	33.51	28	02.3	A0	CZ	3434	P -46 811
6	9.3B	9.6Z	13 32.885	-0.0028	12	-42 16 13.86	0.022	12	0.73	33.020	45	01.1	14.84	45	01.1		CZ	3429	P -42 872
7	9.1B	9.0Z+	13 33.008	-0.0013	12	-49 45 18.83	-0.000	12	0.71	33.063	45	04.0	18.83	45	04.0	A0	CZ	3436	P -49 886
8	9.3B	9.2B+	13 45.408	-0.0001	12	-41 21 51.61	0.036	12	0.74	45.412	45	00.6	55.37	45	00.6	F0	CZ	3433	P -41 827
9	9.4B	9.3Z	13 48.586	-0.0015	12	-41 57 39.75	-0.004	12	0.68	48.660	28	99.3	39.56	28	99.3		CZ	3435	P -41 888
10		8.6T	14 1.533	-0.0019	14	-43 9 34.88	0.020	11	0.67	1.628	17	00.5	35.84	10	97.3	F0	GC	8041	C -43 2335
11	10.3E	8.5Z	14 13.538	0.0011	12	-44 3 17.02	-0.048	12	0.67	13.483	31	99.4	14.61	28	99.4		CZ	3439	P -44 888
12	9.7E	9.1H	14 15.363	-0.0016	12	-40 9 12.85	-0.007	12	0.65	15.447	63	99.2	12.48	57	99.2	K0	CZ	3438	P -40 899
13	8.4B	8.5Z	14 16.105	-0.0006	12	-46 6 52.06	-0.002	12	0.65	16.136	31	01.3	51.96	28	01.3	A0	CZ	3440	P -46 753
14	9.0B	9.0Z	14 23.099	-0.0012	12	-45 54 52.97	0.024	12	0.68	23.160	31	00.4	54.16	28	00.4	F5	CZ	3441	P -45 799
15	9.3E	8.8Z	14 23.378	-0.0011	12	-46 52 27.80	-0.019	12	0.65	23.434	31	01.4	28.87	28	01.4	F8	CZ	3445	P -46 759
16	9.0B	8.5Z	14 27.582	-0.0005	12	-44 24 29.79	-0.005	12	0.74	27.615	45	00.1	29.56	45	00.1	K0	CZ	3442	P -44 890
17	8.8B	8.5Z	14 28.615	-0.0016	12	-44 36 5.08	0.003	12	0.67	28.684	31	99.4	5.25	28	99.4	B8	CZ	3444	P -44 851
18	9.5B	9.0Z	14 29.427	0.0023	12	-49 18 44.57	-0.033	12	0.71	29.319	45	04.0	43.06	45	04.0	F2	CZ	3447	P -49 903
19	9.3B	8.7Z	14 32.156	-0.0009	12	-47 0 59.08	0.056	12	0.72	32.200	45	02.9	1.71	45	02.9	G5	CZ	3446	P -46 756
20	9.8B	9.0Z	14 33.856	-0.0017	12	-41 37 15.74	-0.126	12	0.74	33.938	45	00.6	9.52	45	00.6	G0	CZ	3443	P -41 829
21	9.6B	9.6Z	14 51.178	-0.0043	12	-42 15 33.13	-0.002	12	0.73	51.387	45	01.1	33.04	45	01.1		CZ	3449	P -42 879
22	9.7B	9.5+	14 53.705	-0.0001	12	-41 14 6.19	0.003	12	0.68	53.708	28	99.2	6.33	28	99.2	A	CZ	3450	P -41 930
23	8.1B	8.5Z	14 53.815	-0.0004	12	-47 48 38.94	-0.013	12	0.65	53.836	31	01.3	38.30	28	01.3	F0	CZ	3451	P -47 747
24	9.4B	8.3Z	14 53.986	0.0082	12	-40 30 56.78	0.185	12	0.85	53.547	63	99.2	6.17	57	99.2	K2	CZ	3448	P -40 961
25	9.7B	9.0Z	15 11.434	-0.0022	12	-41 30 44.67	0.014	12	0.74	11.541	45	00.6	45.35	45	00.6	G5	CZ	3452	P -41 953
26		7.4T	15 14.689	-0.0034	13	-43 37 27.99	0.015	12	0.69	14.857	22	00.2	28.75	21	97.8	B9	GC	8072	C -43 2346
27	9.1B	9.5Z	15 19.772	-0.0009	12	-45 14 45.58	0.013	12	0.66	19.815	31	00.4	46.22	28	00.4		CZ	3455	P -45 801
28	9.7B	9.0Z	16 1.718	0.0001	12	-46 21 37.07	-0.017	12	0.63	1.716	28	02.3	36.26	26	02.3	A0	CZ	3460	P -46 759
29	9.4B	9.5+	16 3.104	-0.0006	12	-47 12 12.76	0.002	12	0.64	3.134	28	01.7	12.85	26	01.7	A0	CZ	3461	P -47 759
30		7.9T	16 4.442	0.0007	13	-40 38 18.51	-0.005	12	0.67	4.409	18	00.7	18.26	19	98.5	A0	GC	8100	C -40 2372
31	9.2B	9.2Z	16 13.122	-0.0038	12	-42 57 53.38	-0.022	12	0.64	13.308	26	00.4	52.31	24	00.4	F0	CZ	3462	P -42 884
32	10.3E	9.0B	16 23.755	-0.0011	12	-42 17 28.05	0.005	12	0.64	25.808	28	00.5	28.31	24	00.5		CZ	3463	P -42 885
33	9.4B	8.5Z	16 28.552	0.0012	12	-47 20 47.52	0.004	12	0.67	28.493	36	02.9	47.70	36	02.9	K5	CZ	3464	P -47 782
34	8.2B	8.5Z	16 38.702	0.0012	12	-49 23 38.92	0.062	12	0.64	38.642	31	02.3	41.88	28	02.3	F2	CZ	3466	P -49 913
35	10.0B	8.5Z	16 49.436	-0.0009	12	-43 40 28.40	0.002	12	0.70	49.483	36	00.1	28.52	36	00.1	K2	CZ	3465	P -43 802
36		8.3T	16 58.065	-0.0013	11	-48 40 40.58	-0.009	09	0.45	58.115	15	10.1	40.18	15	07.0	K5	GC	8125	C -48 2242
37	9.1B	9.0H	17 2.877	-0.0007	12	-46 45 22.29	0.001	12	0.63	2.912	28	02.2	26.15	26	02.2		CZ	3472	P -46 765
38	8.1B	8.0B	17 7.206	-0.0018	12	-48 1 1.91	-0.006	12	0.72	7.373	45	02.9	1.62	45	02.9	K5	CZ	3475	P -47 765
39	8.6B	9.0Z	17 14.636	-0.0019	12	-40 16 35.94	0.002	12	0.68	14.733	28	97.8	36.02	26	97.8	A2	CZ	3471	P -40 975
40	10.0B	8.9Z	17 15.314	-0.0017	12	-43 54 13.11	-0.008	12	0.74	15.401	45	00.1	12.72	45	00.1	G5	CZ	3474	P -43 807
41	8.2B	8.5Z	17 29.284	-0.0018	12	-41 45 29.08	-0.010	12	0.66	29.373	28	99.7	28.59	26	99.7	A2	CZ	3477	P -41 938
42	8.8B	9.0Z	17 29.623	-0.0030	12	-43 34 3.13	0.018	12	0.74	29.774	45	00.1	4.04	45	00.1	A0	CZ	3478	P -43 809
43		7.6T	17 29.808	0.0001	13	-41 3 9.29	-0.001	12	0.68	29.805	18	99.5	9.24	18	97.6	A0	GC	8139	C -41 2324
44	9.1B	8.9+	17 34.081	-0.0017	12	-45 52 12.80	0.005	12	0.65	34.166	31	01.1	13.04	28	01.1	K0	CZ	3479	P -45 815
45	8.6B	9.0Z	17 48.822	-0.0014	12	-42 27 44.61	0.023	12	0.65	48.891	28	00.1	45.77	26	00.1	F8	CZ	34800	P -42 890
46	9.1B	9.3+	17 56.271	0.0008	12	-49 58 29.69	0.023	12	0.64	56.234	31	02.4	30.79	28	02.4	F5	CZ	3486	P -49 918
47	7.8B	8.2Z	17 56.509	-0.0029	12	-42 51 50.88	-0.005	12	0.65	56.652	28	00.1	50.62	26	00.1	B9	CZ	3482	P -42 891
48	8.0B	8.0Z	17 59.849	-0.0010	12	-48 23 11.64	0.001	12	0.64	59.899	31	02.3	11.68	28	02.3	F0	CZ	3485	P -48 829
49	8.8B	9.5Z	18 3.182	-0.0028	12	-42 44 18.21	-0.000	12	0.73	3.316	45	01.5	18.19	45	01.5	A2	CZ	3483	P -42 892
50	9.4B	8.5+	18 3.502	-0.0011	12	-44 11 38.22	0.018	12	0.67	3.555	31	99.4	39.15	28	99.4	K0	CZ	3484	P -44 848
51	9.5B	9.0Z	6 18 9.788	-0.0013	12	-47 57 55.51	0.024	12	0.65	9.853	31	01.3	56.66	28	01.3		CZ	3488	P -47 772
52	8.1B	8.0Z	18 15.337	-0.0022	12	-42 43 52.47	0.115	12	0.73	15.442	45	01.5	58.07	45	01.5	F2	CZ	3487	P -42 894
53	10.2B	8.5Z	18 18.020	-0.0020	12	-42 39 22.17	-0.038	12	0.65	18.119	28	99.9	20.29	26	99.9	K5	CZ	3488	P -42 895
54	8.3B	8.5Z	18 19.867	-0.0011	12	-43 52 36.31	-0.012	12	0.66	19.925	28	99.1	35.71	26	99.1	F0	CZ	3490	P -43 818
55	9.4B	9.0Z	18 25.908	-0.0004	12	-45 59 36.95	-0.025	12	0.72	25.929	45	02.6	37.76	45	02.6	G5	CZ	3491	P -45 822
56	8.9B	9.0Z	18 36.219	-0.0018	12	-41 0 39.22	-0.008	12	0.85	36.308	63	99.2	38.80	57	99.2		CZ	3492	P -40 986
57	9.7B	9.0Z	18 36.389	0.0005	12	-48 5 1.91	0.002	12	0.73	36.378	45	03.9	1.99	45	03.9		CZ	3495	P -48 831
58	8.6B	8.5Z	18 37.820	-0.0004	12	-48 10 58.51	-0.013	12	0.71	37.841	45	03.9	57.91	45	03.9	K2	CZ	3496	P -48 832
59	8.5B	8.4B	18 40.167	-0.0008	12	-41 59 34.85	-0.018	12	0.66	40.205	28	99.7	33.96	26	99.7	F0	CZ	3493	P -41 945
60	9.2B	9.0Z	18 45.802	-0.0021	12	-47 11 15.75	0.128	12	0.65	45.906	31	01.3	21.98	28	01.3	F8	CZ	3498	P -47 775
61		6.4T	18 47.083	0.0232	11	-48 42 49.80	-0.267	07	0.41	46.132	15	09.1	37.53	14	04.1	G0	GC	8179	C -48 2259
62	9.5B	9.5Z	18 48.338	-0.0037	12	-41 3 49.01	0.012	12	0.73	48.514	45	01.0	49.58	45	01.0		CZ	3494	P -41 947
63	8.5B	8.5Z	18 48.706	0.0002	12	-46 4 45.04	-0.156	12	0.71	48.699	45	04.0	37.86	45	04.0	F5	CZ	3499	P -46 776
64	10.1B	9.5Z	19 0.038	-0.0063	12	-46 35 29.47	0.063	12	0.71	0.328	45	04.0	32.36	45	04.0		CZ	3503	P -46 779
65	9.7B	9.5Z	19 3.243	-0.0020	12	-42 49 19.52	-0.005	12	0.73	3.337	45	01.5	19.26	45	01.5	G0	CZ	3501	P -42 899
66	9.8B	9.5Z	19 5.941	-0.0021	12	-43 37 39.57	-0.005	12	0.74	6.048	45	00.1	39.34	45	00.1	A2	CZ	3502	P -43 825
67		6.6T	19 10.126	0.0020	14	-49 4 49.05	-0.001	12	0.69	10.028	22	01.7	48.98	21	97.4	K2	GC	8188	C -49 2188
68	9.3B	9.0H	19 16.344	-0.0030	12	-41 24 15.14	0.042	12	0.66	16.493	28	99.6	17.24	26	99.6	F2	CZ	3504	P -41 950
69	10.0B	9.4Z	19 17.102	-0.0020	12	-43 39 0.83	-0.044	12	0.74	17.203	45	00.1	58.65	45	00.1		CZ	3505	P -43 830
70		8.0T	19 17.582	-0.0047	20	-46 39 12.12	-0.021	15	0.86	17.802	19	03.1	11.08	21	99.8	K5	GC	8190	C -46 2344
71		8.3T	19 18.089	0.0133	18	-44 45 59.08	0.050	22	0.97	17.465	19	03.2	1.40	19	03.4	G5	GC	8191K	C -44 2600
72	9.7E	8.7Z	19 31.805	-0.0010	12	-41 31 45.26	-0.006	12	0.73	31.852	45	01.0	44.97	45	01.0	F5	CZ	3511	P -41 953
73		7.6T	19 43.466	-0.0084	08	-44 44 1.64	0.011	08	0.51	43.607	19	90.5	2.30	18	88.4	B8	GC	8202	C -44 2606
74	10.0E	9.4Z	19 48.310	-0.0034	12	-48 21 7.97	0.026	12	0.71	48.469	45	03.9	9.16	45	03.9		CZ	3517	P -48 835
75	10.1E	9.3Z	19 50.350	-0.0035	12	-41 32 2.46	-0.009	12	0.73	50.519	45	01.0	2.03	45	01.0		CZ	3513	P -41 956
76		8.4T	19 51.691	0.0025	20	-44 44 54.88	0.052	22	0.97	51.578	24	05.5	57.17	24	05.7	A0	GC	8205	C -44 2607
77	9.0B	9.0Z	19 52.933	-0.0030	12	-43 11 28.57	0.007	12	0.66	53.084	28	99.1	28.90	26	99.1	G5	CZ	3515	P -43 836
78	9.3E	9.5Z	19 56.187	-0.0016	12	-47 22 57.75	-0.001	12	0.72	56.285	45	02.9	57.70	45	02.9	A3	CZ	3518	P -47 785
79	9.3E	9.3B	19 57.132	-0.0003	12	-47 42 9.97	0.018	12	0.65	57.119	31	01.3	10.83	28	01.3	A2	CZ	3519	P -47 786
80	8.8E	8.7B	20 15.056	-0.0034	12	-46 8 13.97	0.027	12	0.65	15.221	31	02.0	15.26	28	02.0	G0	CZ	3522	P -46 796
81	8.6B	8.0Z	20 19.138	-0.0013	12	-49 18 38.34	0.001	12	0.64	19.198	31	02.3	36.40	28	02.3	F2	CZ	3523	P -49 929
82	9.3E	9.2Z	20 20.612	-0.0014	12	-40 51 21.33	0.009	12	0.65	20.681	63	99.2	21.77	57	99.2	K0	CZ	3520	P -40 996
83	9.9E	9.0Z	20 22.710	-0.0088	12	-42 14 45.97	0.015	12	0.65	22.839	28	99.9	46.73	26	99.9	K5	CZ	3521	P -42 905
84	9.4E	9.4Z	20 30.731	-0.0016	12	-46 5 18.51	0.008	12	0.71	30.806	45	04.0	18.87	45	04.0	A3	CZ	3524	P -46 800
85	9.3E	9.0Z	20 38.141	-0.0002	12	-46 40 54.66	-0.004	12	0.66	38.152	36	03.7	54.47	36	03.7	F8	CZ	3526	P -46 802
86	10.0E	9.8Z	20 39.474	0.0009	12	-42 40 20.95	-0.032	12	0.73	39.428	45	01.5	19.42	45	01.5		CZ	35250	P -42 906
87	9.2E	9.4Z	20 48.591	-0.0006	12	-46 24 11.91	-0.011	12	0.66	48.621	36	03.7	11.40	36	03.7	A2	CZ	3528	P -46 803
88	10.2E	9.2B	20 51.073	-0.0015	12	-43 50 50.17	0.010	12	0.65	51.152	28	99.1	50.69	24	99.1	K5	CZ	3527	P -43 840
89		6.9T	20 58.360	0.0013	13	-45 56 4.14	-0.016	12	0.69	58.296	22	99.9	3.31	21	97.4	B9	GC	8233	C -45 2467
90	9.2E	9.0Z	21 15.406	-0.0018	12	-41 19 10.20	-0.022	12	0.66	15.495	28	99.6	9.08	26	99.6	K0	CZ	3531	P -41 964
91	9.7E	8.5Z	21 19.209	-0.0011	12	-48 44 46.45	0.018	12	0.71	19.261	45	03.9	47.30	45	03.9	K0	CZ	3533	P -48 839
92	9.3E	7.5Z	21 28.862	-0.0016	12	-45 53 38.11	0.011	12	0.68	26.940	36	01.7	38.64	36	01.7	K2	CZ	3534	P -45 840
93		6.7T	21 29.433	-0.0020	17	-45 36 9.08	-0.012	13	0.77	29.531	17	01.6	8.49	18	98.4	K0	GC	8256K	C -45 2472
94	9.8E	8.8Z	21 37.186	-0.0005	12	-43 0 40.97	-0.010	12	0.65	37.190	26	99.6	40.44	24	99.6	K5	CZ	3536	P -42 908
95		9.4T	21 39.562	-0.0032	22	-42 17 55.59	-0.022	22	1.06	39.712	19	03.6	54.55	19	03.6	F8	GC	8262	C -42 2491
96	9.7E	9.0Z	21 41.268	-0.0003	12	-48 46 5.38	-0.004	12	0.64	41.285	31	02.3	5.20	28	02.3	A0	CZ	3542	P -48 842
97	9.6E	8.5Z	21 43.125	0.0002	12	-49 33 48.21	0.011	12	0.71	43.116	45	04.0	48.72	45	04.0	K0	CZ	3543	P -49 935
98	9.4E	9.0Z	21 44.221	0.0009	12	-43 57 14.84	-0.022	12	0.70	44.177	36	99.4	13.75	36	99.4	K5	CZ	3538	P -43 846
99	9.9E	9.8+	21 45.111	-0.0011	12	-44 19 35.24	-0.026	12	0.66	45.169	28	99.6	33.95	26	99.6		CZ	3541	P -44 873
00	9.0E	8.5Z	21 51.239	0.0097	12	-46 47 44.26	-0.048	12	0.63	50.778	28	02.3	41.96	26	02.3	G5	CZ	3544	P -46 808

217900

NUMBER	MAGNITUDES m_{pg}	m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 6H DM NUMBER
1	8.5E	8.5Z	6 21 55.226	0.0004	12	-48 32 34.82	0.060	12	0.64	55.209	31	02.3	37.69	28	02.3	F5	CZ	3545	P -48 845
2	10.2E	9.7*	22 5.508	0.0010	12	-47 31 52.67	0.020	12	0.64	5.461	28	01.7	53.63	26	01.7		CZ	3546	P -47 795
3	9.7E	8.5Z	22 10.206	-0.0006	12	-48 50 1.12	-0.005	12	0.71	10.236	45	03.9	0.90	45	03.9	G5	CZ	3547	P -48 848
4		7.8T	22 31.416	0.0298	22	-45 55 17.34	0.153	22	1.06	30.043	21	03.9	24.49	19	03.4	G0	GC	8292K	C -45 2481
5	10.5E	9.3H	22 32.910	-0.0017	12	-40 11 6.19	0.003	12	0.69	33.000	31	98.1	6.33	28	98.1		CZ	3548	P -40 1005
6	9.0E	9.0Z	22 40.203	-0.0009	12	-43 44 22.85	-0.005	12	0.67	40.251	28	98.3	22.60	26	98.3	A0	CZ	3550	P -43 853
7		6.8T	22 52.561	-0.0087	09	-42 49 46.97	0.769	09	0.41	52.941	14	06.4	20.56	15	06.3	G5	GC	8304	C*-42 2503
8	9.6E	9.0Z	22 53.984	-0.0042	12	-46 54 32.13	-0.008	12	0.71	54.118	45	04.0	31.76	45	04.0	F8	CZ	3555	P -46 817
9	9.7E	9.5Z	22 58.012	-0.0006	12	-42 43 55.96	0.000	12	0.74	58.039	45	00.5	55.98	45	00.5	A	CZ	3553	P -42 916
10		6.3T	23 7.060	-0.0009	07	-40 15 17.75	-0.008	05	0.27	7.099	10	08.5	17.39	10	04.6	B9	GC	8311	C -40 2440
11	9.8E	8.4*	23 9.683	-0.0011	12	-41 38 31.08	0.012	12	0.66	9.736	28	99.7	31.70	26	99.7	K2	CZ	3556	P -41 976
12	9.3E	9.0Z	23 12.740	-0.0016	12	-43 22 40.37	0.078	12	0.67	12.821	28	98.4	44.42	26	98.4	G5	CZ	3558	P -43 859
13	10.7E	9.4*	23 20.904	-0.0041	12	-45 23 32.30	0.049	12	0.65	21.184	31	01.1	34.69	28	01.1		CZ	3559	P -45 858
14	9.3E	8.2Z	23 31.501	-0.0020	12	-46 54 23.96	-0.017	12	0.71	31.594	45	04.0	23.18	45	04.0	G5	CZ	3562	P -46 822
15	9.6E	9.0Z	23 36.560	-0.0038	12	-46 26 7.75	0.018	12	0.65	36.744	31	02.1	8.61	28	02.1	G0	CZ	3563	P -46 823
16	9.0E	8.5Z	23 46.042	-0.0008	12	-49 10 46.50	-0.013	12	0.64	46.078	31	02.4	45.89	28	02.4	A2	CZ	3565	P -49 944
17	10.0E	9.3Z	23 47.542	-0.0015	12	-48 39 37.41	0.005	12	0.71	47.613	45	03.9	37.65	45	03.9		CZ	3566	P -48 853
18	9.5E	9.5Z	23 48.971	-0.0011	12	-41 58 5.07	-0.032	12	0.66	49.025	28	99.6	3.47	26	99.6	K2	CZ	3564	P -41 981
19	8.1E	8.2Z	24 3.155	0.0004	12	-49 34 14.37	0.013	12	0.71	3.137	45	04.0	14.97	45	04.0	A2	CZ	3569	P -49 945
20	9.4E	8.3H	24 9.598	-0.0007	12	-40 56 48.22	-0.026	12	0.85	9.632	63	99.2	46.88	57	99.2	A3	CZ	3567	P -40 1011
21		6.7T	24 10.291	-0.0010	06	-40 56 41.61	-0.010	05	0.29	10.335	12	07.4	41.14	12	03.0	A3	GC	8338K	C*-40 2453
22		5.9T	24 24.118	-0.0011	06	-48 8 46.84	-0.031	06	0.30	24.164	14	07.1	45.35	12	01.4	B9	GC	8345K	C*-48 2308
23	9.4E	9.0Z	24 34.347	0.0001	12	-44 35 44.08	-0.017	12	0.67	34.340	31	99.4	43.24	28	99.4	A0	CZ	3574	P -44 892
24		8.1T	24 34.799	-0.0020	07	-41 36 22.04	0.003	05	0.30	34.880	14	10.2	22.16	14	03.0	A0	GC	8353	C -41 2405
25	9.9E	9.6*	24 34.875	-0.0022	12	-47 17 48.72	-0.033	12	0.65	34.983	31	01.3	47.12	28	01.3		CZ	3575	P -47 811
26	8.6E	8.0*	24 36.880	-0.0004	12	-49 51 57.07	-0.013	12	0.64	36.880	31	02.4	56.45	28	02.4	F0	CZ	3579	P -49 946
27	9.9E	9.7Z	24 38.002	-0.0013	12	-42 52 5.66	-0.015	12	0.74	38.064	45	00.5	4.95	45	00.5		CZ	3573	P -42 927
28	9.3E	8.5Z	24 40.194	-0.0012	12	-47 42 6.11	0.012	12	0.72	40.252	45	03.0	6.66	45	03.0		CZ	3577	P -47 812
29	9.8E	9.0Z	24 46.809	-0.0009	12	-49 13 7.38	0.000	12	0.71	46.849	45	04.0	7.39	45	04.0		CZ	3580	P -49 947
30	9.4E	9.1Z	24 54.234	-0.0019	12	-42 37 21.92	0.019	12	0.66	54.328	28	99.2	22.91	26	99.2	F2	CZ	3578	P -42 929
31	7.4E	7.5Z	25 14.048	0.0009	12	-44 2 9.40	0.015	12	0.74	14.005	45	00.1	10.17	45	00.1	A0	CZ	3581	P -43 871
32	8.8E	8.5*	25 23.542	-0.0137	12	-46 57 26.70	-0.003	12	0.65	24.200	31	02.1	26.55	28	02.1	F5	CZ	3585	P -46 838
33	8.3E	8.0Z	25 29.847	-0.0006	12	-44 5 29.41	0.008	12	0.74	29.879	45	00.1	29.82	45	00.1	F2	CZ	3583	P -44 902
34	9.0E	8.5Z	25 30.852	-0.0013	12	-41 17 28.76	0.001	12	0.66	30.915	28	99.6	28.80	26	99.6	K0	CZ	3582	P -41 989
35	10.1E	8.9Z	25 37.325	-0.0002	12	-40 41 36.70	0.036	12	0.85	37.333	63	99.2	38.52	57	99.2		CZ	3584	P -40 1021
36	8.3E	8.5Z	25 48.524	-0.0017	12	-47 47 22.03	0.025	12	0.64	48.608	28	01.7	23.23	26	01.7	A2	CZ	3587	P -47 819
37	9.0E	9.3*	25 53.110	0.0008	12	-48 17 39.35	-0.007	12	0.63	53.074	28	01.9	39.00	26	01.9		CZ	3589	P -48 860
38	8.4E	8.0Z	25 54.441	0.0007	12	-44 8 17.24	-0.007	12	0.66	54.408	28	99.4	16.90	26	99.4	A2	CZ	3586	P -44 905
39	8.0E	8.5H	26 0.091	-0.0020	12	-45 4 9.53	0.018	12	0.67	0.184	36	02.7	10.38	36	02.7	F5	CZ	3588	P -45 873
40		7.6T	26 12.073	0.0011	11	-41 6 0.87	0.095	09	0.56	12.017	17	97.2	6.30	15	92.9	K0	GC	8402	C -41 2416
41	9.4E	8.5Z	26 14.561	-0.0020	12	-47 56 52.03	0.017	12	0.67	14.657	36	03.0	52.82	36	03.0	MA	CZ	3594	P -47 820
42	9.0E	9.7H	26 17.918	-0.0002	12	-44 59 57.45	0.004	12	0.70	17.926	36	00.1	57.67	36	00.1	A	CZ	3593	P -44 910
43	9.8E	8.8Z	26 31.084	-0.0022	12	-48 1 26.20	0.022	12	0.67	31.190	36	02.9	27.23	36	02.9	K2	CZ	3598	P -47 824
44	9.4E	9.5Z	26 33.350	-0.0004	12	-47 29 9.25	-0.020	12	0.67	33.366	36	03.0	8.30	36	03.0		CZ	3599	P -47 825
45	9.4E	8.9Z	26 34.225	-0.0026	12	-44 33 20.95	0.057	12	0.70	34.353	36	00.1	23.82	36	00.1	F0	CZ	3596	P -44 915
46	10.3E	9.5*	26 35.798	-0.0026	12	-42 6 3.62	0.013	12	0.65	35.926	26	00.0	4.27	24	00.0		CZ	3595	P -42 932
47		8.5T	26 36.257	-0.0004	16	-45 35 9.01	-0.015	13	0.75	36.277	18	02.1	8.26	21	99.0	F2	GC	8417	C -45 2523
48	8.6E	9.0Z	26 43.062	0.0000	12	-45 19 17.88	-0.018	12	0.64	43.061	28	01.6	17.01	26	01.6	A5	CZ	3601	P -45 879
49	9.3E	9.1Z	26 43.685	-0.0008	12	-44 45 34.89	0.006	12	0.70	43.723	36	00.1	35.22	36	00.1	A5	CZ	3600	P -44 916
50		8.5T	26 50.742	0.0014	15	-45 39 27.85	-0.011	14	0.74	50.676	22	02.2	27.32	22	00.7	A3	GC	8422	C -45 2528
51		6.4T	6 27 6.232	0.0019	10	-41 2 27.77	0.027	08	0.54	6.131	19	95.9	29.36	18	91.1	F2	GC	8425	C -40 2482
52	8.7E	8.5Z	27 6.822	0.0004	12	-44 18 52.84	0.004	12	0.74	6.799	45	00.1	53.06	45	00.1	B9	CZ	3604	P -44 917
53	9.3E	8.5Z	27 9.782	-0.0014	12	-49 7 56.34	-0.132	12	0.72	9.850	45	03.0	50.14	45	03.0	F8	CZ	3607	P -49 952
54	8.4E	8.5Z	27 25.242	-0.0023	12	-42 15 32.47	0.035	12	0.67	25.358	28	98.9	34.26	26	98.9	F5	CZ	3605	P -42 937
55	8.3E	8.2Z	27 26.426	-0.0004	12	-49 15 4.66	0.004	12	0.65	26.444	31	01.7	4.86	28	01.7	B9	CZ	3614	P -49 954
56		7.7T	27 26.496	-0.0010	13	-45 44 35.23	0.046	12	0.67	26.549	17	99.9	37.64	18	98.0	A0	GC	8432K	C -45 2538
57	9.1E	9.0Z	27 28.843	-0.0013	12	-41 35 29.77	-0.014	12	0.66	28.906	28	99.4	29.07	26	99.4	K2	CZ	3608	P -41 997
58		7.4T	27 29.556	0.0040	07	-40 20 17.32	-0.011	06	0.34	29.373	15	04.9	17.87	14	00.5	K0	GC	8433K	C -40 2486
59	9.1E	8.5Z	27 30.777	-0.0022	12	-44 35 28.10	-0.006	12	0.67	30.886	31	99.4	27.82	28	99.4	F2	CZ	3612	P -44 920
60	10.1E	9.0Z	27 31.066	-0.0043	12	-42 14 10.18	0.008	12	0.74	31.280	45	00.1	10.59	45	00.1		CZ	3610	P -42 939
61		7.8T	27 34.759	-0.0016	10	-40 20 45.66	-0.013	08	0.56	34.849	21	95.3	44.88	19	89.9	K0	GC	8435K	C -40 2487
62	8.3E	8.0Z	27 35.888	-0.0029	12	-42 38 24.31	0.032	12	0.67	36.034	28	98.9	25.92	26	98.9	K0	CZ	3613	P -42 940
63	9.7E	9.5Z	27 37.828	-0.0018	12	-46 31 48.29	0.004	12	0.72	37.914	45	03.0	48.47	45	03.0	A2	CZ	3617	P -46 854
64	9.2E	8.5Z	27 38.081	-0.0002	12	-47 28 3.21	0.023	12	0.72	38.092	45	03.0	4.29	45	03.0	G0	CZ	3618	P -47 835
65	9.7E	9.5Z	27 55.362	-0.0008	12	-46 51 26.42	0.010	12	0.72	55.401	45	03.0	26.88	45	03.0	G5	CZ	3622	P -46 857
66	9.7E	8.0Z	27 58.913	0.0001	12	-44 32 23.07	-0.013	12	0.74	58.910	45	00.1	22.44	45	00.1	K5	CZ	3620	P -44 923
67	10.1E	9.0Z	27 59.000	-0.0026	12	-42 35 18.71	0.032	12	0.74	59.127	45	00.1	20.29	45	00.1		CZ	3619	P -42 942
68	9.4E	8.5Z	28 1.629	0.0002	12	-43 53 4.34	-0.005	12	0.65	1.616	24	98.4	4.10	20	98.4		CZ	3621	P -43 896
69	9.3E	9.0Z	28 13.824	-0.0039	12	-46 47 11.37	-0.018	12	0.72	14.009	45	03.0	10.52	45	03.0	G0	CZ	3626	P -46 863
70	10.3E	9.7Z	28 17.303	-0.0029	12	-42 36 31.39	-0.004	12	0.74	17.445	45	00.1	31.21	45	00.1		CZ	3623	P -42 944
71	8.9E	9.1*	28 19.257	-0.0022	12	-46 35 8.75	0.001	12	0.65	19.365	31	01.4	8.80	28	01.4	B8P	CZ	3627	P -46 864
72	10.3E	9.4Z	28 20.194	-0.0010	12	-41 29 24.84	0.015	12	0.74	20.242	45	00.6	25.57	45	00.6		CZ	3624	P -41 1003
73	9.6E	9.5*	28 22.890	-0.0009	12	-46 3 15.35	-0.003	12	0.65	22.936	31	01.4	15.20	28	01.4	F5	CZ	3628	P -46 865
74	8.7E	7.5Z	28 23.812	-0.0024	12	-42 14 34.70	0.037	12	0.67	23.933	28	98.9	36.60	26	98.9	K5	CZ	3625	P -42 946
75	8.4E	8.5Z	28 37.861	-0.0019	12	-42 24 5.77	0.051	12	0.74	37.955	45	00.1	8.33	45	00.1	A5	CZ	3629	P -42 948
76	8.7E	8.2H	28 47.835	-0.0013	12	-49 57 9.44	-0.000	12	0.65	47.899	31	01.7	9.44	28	01.7	F0	CZ	3635	P -49 968
77	9.7E	9.0Z	28 48.136	-0.0015	12	-46 25 13.05	-0.002	12	0.72	48.208	45	03.0	12.95	45	03.0	G5	CZ	3633	P -46 868
78	10.2E	9.5Z	28 51.049	-0.0013	12	-49 7 34.46	0.000	12	0.72	51.112	45	03.0	34.47	45	03.0		CZ	3638	P -49 967
79	9.3E	8.0Z	28 52.477	-0.0012	12	-40 32 12.60	-0.005	12	0.85	52.536	63	99.2	12.34	57	99.2	K0	CZ	3630	P -40 1040
80	9.8E	9.0Z	28 56.150	-0.0023	12	-47 17 30.48	0.002	12	0.72	58.259	45	03.0	30.57	45	03.0	G0	CZ	3639	P -47 840
81		6.7T	29 3.403	0.0001	10	-40 24 43.50	0.000	08	0.54	3.395	21	94.5	43.50	18	88.3	B8	GC	8469K	C*-40 2508
82	10.7E	9.8*	29 4.419	0.0008	12	-48 53 17.63	-0.044	12	0.65	4.382	31	01.7	15.51	28	01.7		CZ	3641	P -48 867
83	9.8E	9.3*	29 7.443	-0.0016	12	-41 55 2.47	-0.003	12	0.66	7.522	28	99.2	2.33	26	99.2		CZ	3636	P -41 1011
84	9.7E	8.0Z	29 14.193	-0.0015	12	-48 12 37.76	-0.007	12	0.72	14.256	45	02.9	37.44	45	02.9	K5	CZ	3643	P -48 868
85		7.6T	29 18.299	-0.0006	13	-41 18 13.08	0.000	12	0.68	18.330	18	00.5	13.08	21	97.9	K5	GC	8478	C -41 2442
86		6.1T	29 23.505	-0.0022	07	-40 52 47.84	-0.001	05	0.30	23.601	14	07.1	47.80	14	02.2	K2	GC	8483	C -40 2512
87		6.7T	29 34.167	-0.0043	13	-43 40 51.36	0.014	12	0.68	34.380	22	00.0	52.08	21	97.3	K0	GC	8492	C*-43 2518
88	9.5E	8.5Z	29 34.903	-0.0022	12	-47 13 15.71	-0.010	12	0.65	35.012	31	01.3	15.22	28	01.3	K5	CZ	3646	P -47 846
89	8.9E	8.6*	29 40.218	-0.0005	12	-45 47 42.33	0.009	12	0.66	40.244	31	00.4	42.77	28	00.4	G0	CZ	3647	P -45 915
90	9.2E	9.0Z	29 41.749	-0.0037	12	-42 32 0.25	0.000	12	0.74	41.933	45	00.1	0.26	45	00.1	F8	CZ	3645	P -42 952
91	9.0E	9.0Z	29 57.218	-0.0003	12	-44 50 31.36	-0.013	12	0.67	57.231	31	99.4	30.72	28	99.4	F5	CZ	3648	P -44 937
92	8.4E	8.0Z	29 59.799	0.0007	12	-49 34 47.11	0.008	12	0.65	59.765	31	01.7	47.49	28	01.7	K0	CZ	3650	P -49 970
93	9.4E	8.5Z	30 4.406	-0.0024	12	-49 43 3.82	0.033	12	0.72	4.520	45	03.0	5.37	45	03.0	G5	CZ	3652	P -49 971
94	8.9E	9.0Z	30 5.102	-0.0013	12	-46 25 23.24	-0.010	12	0.65	5.163	31	01.4	22.75	28	01.4	F0	CZ	3649	P -46 883
95	10.0E	9.0Z	30 20.231	-0.0011	12	-41 16 42.79	-0.005	12	0.74	20.283	45	00.6	42.55	45	00.6		CZ	3651	P -41 1024
96	7.7E	8.2Z	30 23.239	0.0012	12	-47 53 42.96	0.040	12	0.65	23.180	28	00.5	44.93	26	00.5	A3	CZ	3655	P -47 852
97	9.7E	9.1Z	30 27.844	0.0005	12	-40 29 32.09	-0.005	12	0.85	27.617	63	99.2	31.83	57	99.2		CZ	3653	P -40 1049
98		8.5T	30 44.442	0.0010	16	-43 28 57.21	0.005	14	0.80	44.396	24	04.6	57.44	22	00.4	K0	GC	8516	C -43 2527
99	9.9E	9.4Z	30 46.236	-0.0014	12	-45 29 13.28	0.034	12	0.69	46.305	36	01.1	14.94	36	01.1	F5	CZ	3659	P -45 923
00	8.1E	8.0Z	30 47.636	-0.0022	12	-42 31 16.70	0.008	12	0.67	47.747	28	98.7	17.13	26	98.7	A2	CZ	3657	P -42 957

218000 — −40° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.1E	9.5Z	6 30 50.273	0.0000	12	−48 37 56.05	−0.017	12	0.72	50.271	45	02.9	55.26	45	02.9	G0	CZ	3662	P −48 871
2		7.2T	30 52.636	0.0028	07	−45 16 17.47	−0.032	06	0.35	52.507	15	02.9	15.90	14	00.2	K0	GC	8521	C −45 2580
3	9.7E	10.0Z	31 0.776	0.0002	12	−46 56 7.77	−0.023	12	0.65	0.765	28	00.6	6.62	26	00.6	F8	CZ	3665	P −46 886
4	8.3E	8.0Z	31 3.957	0.0023	12	−42 13 2.99	−0.045	12	0.74	3.841	45	00.1	0.77	45	00.1	K0	CZ	3661	P −42 959
5		7.2T	31 7.200	−0.0009	12	−44 10 56.48	−0.018	11	0.63	7.243	18	99.4	55.41	19	99.1	A3	GC	8529	C −44 2730
6	9.8E	8.5Z	31 9.293	−0.0018	12	−40 59 31.48	−0.021	12	0.68	9.385	28	97.7	30.36	26	97.7	K5	CZ	3663	P −40 1092
7	8.9E	8.0Z	31 18.657	−0.0010	12	−48 6 4.07	−0.032	12	0.72	18.702	45	02.9	2.55	45	02.9	K2	CZ	3671	P −48 873
8	9.8E	8.5Z	31 23.016	−0.0001	12	−40 35 48.36	0.051	12	0.67	23.019	28	98.8	50.98	26	98.8	F8	CZ	3667	P −40 1055
9		7.8T	31 23.228	0.0022	17	−43 32 14.01	0.028	14	0.80	23.116	19	01.3	15.45	18	99.3	K5	GC	8534	C −43 2534
10	8.9E	8.5Z	31 23.948	0.0007	12	−44 17 1.60	0.074	12	0.66	23.915	28	99.6	5.30	26	99.6	F5	CZ	3670	P −44 959
11	9.3E	9.0Z	31 34.182	−0.0007	12	−40 16 18.34	0.074	12	0.67	34.201	28	98.8	22.13	26	98.8		CZ	3668	P −40 1057
12		6.9T	31 38.684	0.0015	10	−48 30 12.72	−0.184	09	0.42	38.631	14	07.6	7.25	15	06.0	F3	GC	8541	C −48 2361
13	9.5E	8.8Z	31 40.070	−0.0027	12	−41 5 30.15	0.005	12	0.65	40.207	28	99.6	30.28	24	99.6	K2	CZ	3673	P −41 1028
14	10.0E	8.6Z	31 46.284	−0.0012	12	−41 48 54.12	0.017	12	0.65	46.344	28	99.6	54.98	24	99.6		CZ	3674	P −41 1030
15		8.1T	31 46.540	−0.0002	13	−45 20 20.93	−0.004	12	0.69	46.552	21	98.9	20.73	19	94.7	A0	GC	8547	C −45 2594
16	9.3E	9.4Z	31 49.113	−0.0012	12	−46 7 23.49	0.029	12	0.68	49.172	36	01.4	24.91	36	01.4	A2	CZ	3678	P −46 883
17	9.3E	9.6Z	31 51.922	−0.0014	12	−49 48 58.07	0.018	12	0.71	51.986	45	03.5	58.92	45	03.5	A2	CZ	3682	P −49 976
18	8.3E	9.4Z	31 55.463	0.0005	12	−49 40 16.58	0.025	12	0.71	55.439	45	03.5	17.75	45	03.5		CZ	3683	P −49 977
19	9.4E	8.3H	32 0.449	0.0004	12	−45 1 25.26	−0.022	12	0.69	0.430	36	00.1	24.14	36	00.1	K2	CZ	3680	P −44 959
20	9.4E	9.7Z	32 3.915	−0.0010	12	−47 58 3.42	−0.044	12	0.68	3.964	36	01.3	1.29	36	01.3	A2	CZ	3684	P −47 962
21	9.4A	9.0A	32 6.165	−0.0011	12	−43 15 8.44	0.017	12	0.67	6.222	28	98.7	9.29	26	98.7	F5	CZ	3681	P −43 926
22	9.3A	9.0Z	32 9.104	0.0018	12	−40 53 22.66	−0.014	12	0.65	9.014	63	00.1	21.95	57	00.1		CZ	3679	P −40 1063
23	8.7E	8.0Z	32 11.199	0.0014	12	−47 27 29.67	0.001	12	0.65	11.131	28	00.5	29.73	26	00.5	G5	CZ	3686	P −47 864
24	9.0E	8.0Z	32 15.601	−0.0012	12	−43 49 12.99	0.065	12	0.67	15.661	28	98.7	16.34	26	98.7	K0	CZ	3685	P −43 928
25	9.3E	9.0Z	32 26.494	0.0003	12	−41 2 40.39	0.001	12	0.73	26.481	45	01.1	40.42	45	01.1	F	CZ	3687	P −40 1065
26	9.9E	9.5Z	32 33.733	0.0031	12	−46 27 33.67	0.056	12	0.74	33.580	45	00.5	36.45	45	00.5	F0	CZ	3689	P −46 889
27	9.8E	8.8Z	32 35.508	−0.0000	12	−47 16 17.61	−0.011	12	0.74	35.509	45	00.5	17.07	45	00.5	G5	CZ	3691	P −47 866
28		7.2T	32 36.180	−0.0005	09	−42 3 28.52	−0.047	07	0.37	36.203	12	05.4	28.22	12	00.7	G5	GC	8568K	C −42 2594
29	9.6E	9.0Z	32 38.869	−0.0009	12	−48 6 37.71	−0.002	12	0.72	38.912	45	02.9	37.62	45	02.9	B9	CZ	3692	P −48 879
30	9.3E	9.3Z	32 53.075	0.0107	12	−48 30 54.93	0.030	12	0.72	−59.571	45	02.9	56.34	45	02.9	F8	CZ	3695	P −48 882
31	9.5E	8.0Z	33 13.547	−0.0008	12	−48 14 29.33	−0.017	12	0.72	13.590	45	02.9	28.53	45	02.9		CZ	3698	P −48 884
32	8.6E	8.5Z	33 13.565	−0.0013	12	−42 21 11.86	0.009	12	0.66	13.631	28	99.3	12.32	26	99.3	F0	CZ	3694	P −42 971
33	8.9E	8.5Z	33 15.501	−0.0015	12	−46 28 8.92	0.033	12	0.67	15.578	31	99.7	10.58	28	99.7	F0	CZ	3697	P −46 906
34	9.4E	9.4Z	33 26.126	−0.0019	12	−46 36 11.56	0.006	12	0.74	26.221	45	00.5	11.87	45	00.5	A2	CZ	3700	P −46 907
35	9.0E	8.5Z	33 27.082	−0.0047	12	−40 59 5.13	0.092	12	0.85	27.316	63	00.1	9.70	57	00.1	F2	CZ	3696	P −40 1070
36	9.3E	8.5Z	33 28.154	0.0067	12	−45 15 59.57	−0.050	12	0.73	27.829	45	01.6	57.15	45	01.6	A5	CZ	3699	P −45 947
37		7.3T	33 28.908	0.0025	15	−47 20 5.48	−0.023	11	0.69	28.801	22	02.4	4.27	21	96.7	K0	GC	8594	C −47 2456
38	9.4E	9.3Z	33 42.818	−0.0013	12	−44 14 45.44	0.014	12	0.74	42.882	45	00.1	46.15	45	00.1	A0	CZ	3703	P −44 973
39		8.7T	33 49.697	0.0004	26	−49 19 25.00	0.158	22	1.12	49.679	21	04.4	32.30	19	03.7	F5	GC	8603	C −49 2323
40	9.4E	9.0Z	33 53.284	−0.0003	12	−42 14 51.80	0.060	12	0.74	53.298	45	00.6	54.78	45	00.6	F5	CZ	3705	P −42 973
41	9.4E	8.5Z	34 2.899	−0.0002	12	−48 9 52.21	−0.005	12	0.72	2.909	45	02.9	51.98	45	02.9	G5	CZ	3713	P −48 886
42	9.9E	9.8H	34 4.877	0.0009	12	−42 1 16.41	0.029	12	0.66	4.832	28	99.2	17.89	26	99.2		CZ	3707	P −41 1037
43	9.2E	8.6H	34 7.346	−0.0003	12	−45 1 49.20	0.036	12	0.67	7.363	31	99.4	51.00	28	99.4	K2	CZ	3711	P −44 980
44		9.2T	34 8.189	0.0011	16	−48 25 56.01	−0.144	17	0.81	8.138	19	02.1	49.12	19	02.1	G5	GC	8610	C −48 2387
45		8.2T	34 9.164	−0.0026	26	−41 26 51.33	−0.075	16	0.98	9.269	24	06.6	47.71	22	01.8	K5	GC	8612K	C −41 2476
46	8.7E	8.0Z	34 12.065	−0.0011	12	−41 0 46.05	0.032	12	0.85	12.119	63	00.1	47.63	57	00.1	K0	CZ	3710	P −40 1076
47	9.6E	9.2Z	34 12.956	−0.0023	12	−43 1 57.55	−0.012	12	0.66	13.072	28	99.3	56.92	26	99.3	A5	CZ	3712	P −42 975
48		7.3T	34 17.581	−0.0034	16	−47 23 27.01	−0.015	13	0.75	17.745	18	02.3	26.23	21	98.2	K0	GC	8617	C −47 2466
49	9.7E	8.5Z	34 23.359	−0.0008	12	−47 14 25.05	0.036	12	0.74	23.400	45	00.5	26.85	45	00.5	K0	CZ	3716	P −47 879
50	9.1E	8.5Z	34 29.329	−0.0009	12	−47 56 41.63	0.001	12	0.67	29.375	31	99.7	41.68	28	99.7	K0	CZ	3719	P −47 880
51	10.7E	9.8Z	6 34 32.400	−0.0027	12	−48 14 23.77	−0.016	12	0.72	32.528	45	02.9	23.02	45	02.9	K0	CZ	3721	P −48 888
52	8.5E	7.8Z	34 32.962	0.0008	12	−48 14 13.99	−0.018	12	0.72	32.925	45	02.9	13.15	45	02.9	K0	CZ	3722	P −48 888
53	9.7E	9.5Z	34 42.478	−0.0013	12	−42 35 21.12	−0.019	12	0.74	42.542	45	00.6	20.21	45	00.6		CZ	3720D	P −42 981
54	9.8E	8.5Z	34 46.064	−0.0014	12	−42 37 37.75	0.017	12	0.74	46.133	45	00.6	38.57	45	00.6	K2	CZ	3723	P −42 982
55	9.4E	9.7H	34 46.408	−0.0011	12	−40 12 3.48	−0.002	12	0.67	46.465	28	98.4	3.36	26	98.4		CZ	3718	P −40 1081
56	9.5E	9.0Z	34 49.990	−0.0006	12	−45 45 6.57	0.009	12	0.66	50.021	31	00.4	7.02	28	00.4	A3	CZ	3725	P −45 955
57		8.5T	34 57.730	−0.0017	18	−44 29 52.38	0.002	18	0.86	57.804	24	05.1	52.49	24	04.8	A0	GC	8639	C −44 2761
58		8.6T	35 0.434	−0.0011	18	−44 36 28.11	0.027	18	0.86	0.387	24	05.1	29.31	24	04.8	A0	GC	8641	C −44 2762
59	9.1E	9.1Z	35 11.712	−0.0007	12	−46 25 27.38	−0.009	12	0.74	11.748	45	00.5	26.95	45	00.5	F0	CZ	3729	P −46 924
60		6.2T	35 16.004	−0.0000	09	−41 30 48.52	0.007	07	0.51	16.005	19	94.7	48.97	18	89.0	K0	GC	8653	C −41 2488
61	9.5E	8.5Z	35 19.736	−0.0011	12	−49 10 39.92	−0.009	12	0.71	19.788	45	03.5	39.52	45	03.5	G5	CZ	3734	P −49 985
62	8.8E	7.5Z	35 26.694	−0.0020	12	−41 12 22.55	0.014	12	0.66	26.796	28	99.7	23.23	26	99.7	K5	CZ	3731	P −41 1047
63	8.4E	8.0Z	35 36.517	−0.0037	12	−40 43 35.08	0.017	12	0.85	36.701	63	00.1	35.91	57	00.1	K0	CZ	3733	P −40 1087
64		6.9T	35 48.675	−0.0014	09	−43 24 26.49	−0.007	07	0.39	48.735	15	06.5	26.15	14	03.3	B5	GC	8663	C −43 2570
65		8.0T	35 57.111	−0.0015	13	−44 55 53.32	0.026	12	0.67	57.189	17	99.9	54.70	17	96.0	B9	GC	8668	C −44 2797
66	10.0E	9.3Z	36 3.261	−0.0009	12	−44 18 45.67	−0.018	12	0.70	3.305	36	00.1	44.78	36	00.1		CZ	3739	P −44 1002
67	8.3E	8.5Z	36 3.977	0.0003	12	−45 32 59.89	0.013	12	0.64	3.964	28	01.1	0.53	26	01.1	B9	CZ	3740	P −45 967
68	9.7E	9.7Z	36 10.268	−0.0011	12	−47 40 50.02	0.002	12	0.70	10.324	36	99.6	50.13	36	99.6	A2	CZ	3748	P −47 891
69	9.6E	9.7H	36 10.936	−0.0004	12	−46 51 13.65	−0.006	12	0.65	10.957	28	00.6	13.36	26	00.6	A0	CZ	3747	P −46 928
70		7.7T	36 13.655	0.0012	15	−44 27 3.72	−0.002	12	0.72	13.595	22	01.9	3.64	21	98.4	A0	GC	8674	C −44 2804
71		3.2H	36 13.796	−0.0006	02	−43 9 4.09	−0.005	02	0.09	13.821	04	10.5	3.88	04	09.0	B8	F4	252	C −43 2576
72	9.7E	8.5Z	36 16.942	−0.0020	12	−42 48 10.76	0.001	12	0.65	17.042	28	99.9	10.83	24	99.9	K5	CZ	3745	P −42 996
73	10.5E	9.5H	36 18.581	−0.0042	12	−41 48 4.81	−0.024	12	0.64	18.791	26	00.1	3.62	24	00.1		CZ	3744	P −41 1055
74	10.0E	9.6Z	36 20.776	−0.0020	12	−49 47 54.28	0.000	12	0.71	20.868	45	03.5	54.28	45	03.5	F5	CZ	3753	P −49 994
75		7.1T	36 21.759	−0.0068	13	−49 28 59.57	0.027	10	0.64	22.099	17	00.1	1.03	17	95.3	A5	GC	8680	C −49 2344
76	10.1E	9.4Z	36 24.075	−0.0002	12	−48 25 45.83	0.038	12	0.69	24.087	36	01.2	47.68	36	01.2	F5	CZ	3752	P −48 901
77	8.6E	8.5Z	36 28.701	−0.0028	12	−44 14 19.01	−0.024	12	0.66	28.841	28	99.6	17.81	26	99.6	F5	CZ	3750	P −44 1010
78	8.9E	9.0Z	36 39.378	−0.0021	12	−40 58 40.23	0.020	12	0.67	39.487	28	98.2	41.25	26	98.2	A3	CZ	3751	P −40 1099
79	9.4E	9.0Z	36 45.935	0.0008	12	−48 4 29.32	0.006	12	0.69	45.897	36	01.2	29.62	36	01.2	F0	CZ	3756	P −48 904
80	8.4E	8.5Z	36 48.366	−0.0011	12	−45 13 58.26	−0.002	12	0.68	48.417	36	02.1	58.20	36	02.1	F2	CZ	3755	P −45 972
81	8.7E	9.0Z	36 54.341	−0.0012	12	−47 7 13.65	0.021	12	0.70	54.402	36	99.6	14.71	36	99.6	F2	CZ	3757	P −47 897
82	9.6E	9.0Z	36 57.928	−0.0004	12	−47 34 6.65	−0.010	12	0.66	57.949	28	99.2	6.14	26	99.2	F0	CZ	3759	P −47 899
83	9.9E	9.0Z	37 2.052	−0.0005	12	−47 19 31.48	0.004	12	0.70	2.078	36	99.6	31.69	36	99.6	K0	CZ	3760	P −47 900
84	8.2E	8.0Z	37 2.412	−0.0001	12	−45 19 42.64	0.014	12	0.68	2.416	36	02.1	43.31	36	02.1	A0	CZ	3758	P −45 975
85	9.8E	9.5Z	37 5.678	−0.0007	12	−49 49 51.82	0.002	12	0.66	5.709	36	03.3	51.92	36	03.3	A2	CZ	3766	P −49 998
86	9.9E	9.0Z	37 11.982	−0.0013	12	−47 41 17.37	0.006	12	0.70	12.048	36	99.6	17.67	36	99.6	K0	CZ	3767	P −47 901
87		9.9T	37 15.328	−0.0001	18	−45 0 51.09	0.008	18	0.86	15.353	24	05.1	51.47	24	04.8		GC	8699K	C −44 2817
88		7.6T	37 16.143	−0.0012	18	−45 1 6.37	0.021	18	0.86	16.198	24	05.1	7.33	24	04.8	B8	GC	8700K	C −44 2817
89	8.9E	8.3H	37 16.337	0.0002	12	−46 7 45.83	0.007	12	0.67	16.328	31	99.7	46.19	28	99.7	A0	CZ	3768	P −46 940
90		8.3T	37 16.666	−0.0002	10	−48 10 19.48	0.002	09	0.52	16.677	19	00.6	19.59	18	98.7	A0	GC	8702K	C −48 2416
91		7.4T	37 17.520	−0.0017	15	−43 46 43.78	0.017	13	0.73	17.600	18	01.3	44.68	21	98.6	A0	GC	8703	C −43 2587
92	7.4E	8.0Z	37 17.580	0.0002	12	−43 46 44.46	0.008	12	0.75	17.569	45	99.6	44.88	45	99.6	A0	CZ	3763	P −43 954
93		5.0T	37 17.587	0.0002	06	−48 10 28.82	0.012	05	0.27	17.580	12	08.4	29.38	12	04.0	K0	GC	8704K	C −48 2417
94	8.3E	8.5Z	37 17.840	0.0000	12	−40 32 24.35	−0.005	12	0.85	17.840	63	00.1	24.08	57	00.1	F8	CZ	3761	P −40 1100
95	9.6E	9.4H	37 22.198	−0.0013	12	−41 28 49.67	0.012	12	0.66	22.264	28	99.7	50.26	26	99.7	A0	CZ	3762	P −41 1061
96	8.0E	8.0Z	37 24.996	0.0011	12	−48 40 23.67	0.002	12	0.67	24.942	31	00.0	23.79	28	00.0	A2	CZ	3774	P −48 909
97	9.6E	9.5Z	37 27.145	−0.0017	12	−47 15 48.86	−0.009	12	0.76	27.235	45	98.0	48.40	45	98.0	F5	CZ	3773	P −47 903
98	9.3E	9.0Z	37 28.089	−0.0024	12	−45 0 26.28	0.012	12	0.74	28.210	45	00.1	26.86	45	00.1		CZ	3771D	P −44 1021
99	11.1E	10.5Z	37 28.741	−0.0036	12	−45 0 25.87	−0.021	12	0.74	28.922	45	00.1	24.81	45	00.1		CZ	3772D	P −44 1021
00	10.0E	9.6Z	37 32.241	0.0004	12	−49 17 10.20	0.001	12	0.71	32.224	45	03.5	10.27	45	03.5	F0	CZ	3775	P −49 999

218100

	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-40° 6H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	9.3	8.5W	6 37 55.186	-0.0007	13	-40 0 3.85	-0.015	13	0.26		55.195	15	36.1	3.64	21	36.1	G5	C8	2539	C -39 2744
2		7.3T	37 55.245	-0.0012	12	-43 22 48.44	0.010	10	0.64		55.306	21	98.6	48.99	19	93.2	K5	GC	8715	C -43 2592
3	8.7E	8.5Z	37 57.165	-0.0016	12	-47 54 55.04	0.000	12	0.69		57.249	31	98.0	55.05	28	98.0	B9	CZ	3782	P -47 906
4	9.6E	9.0Z	38 3.027	0.0021	12	-49 38 7.11	0.114	12	0.71		2.928	45	03.5	12.42	45	03.5	G5	CZ	3785	P -49 1003
5	9.4E	8.5Z	38 4.469	0.0028	12	-43 18 56.68	-0.053	12	0.75		4.328	45	99.6	53.99	45	99.6		CZ	3779	P -43 960
6	10.4E	9.6*	38 7.360	-0.0007	12	-42 48 54.98	0.019	12	0.66		7.396	28	99.3	55.97	26	99.3		CZ	3780	P -42 1005
7	10.2E	9.3*	38 8.032	-0.0028	12	-42 36 52.53	0.011	12	0.66		8.174	28	99.3	53.11	26	99.3		CZ	3781	P -42 1006
8	9.8E	9.5Z	38 8.816	-0.0022	12	-40 16 40.31	0.001	12	0.85		8.926	63	00.1	40.34	57	00.1		CZ	3778	P -40 1103
9		7.0T	38 15.280	-0.0030	11	-43 21 20.44	0.024	09	0.46		15.411	12	06.0	21.52	12	04.1	B8	GC	8723	C -43 2596
10	9.0E	8.5Z	38 15.828	-0.0008	12	-45 30 48.20	-0.004	12	0.73		15.864	45	01.6	48.01	45	01.6	K2	CZ	3788	P -45 981
11	10.1E	9.0Z	38 17.021	0.0012	12	-46 35 47.95	-0.007	12	0.67		16.962	31	99.7	47.60	28	99.7	F8	CZ	3790	P -46 952
12	10.5E	9.3Z	38 19.748	-0.0016	12	-43 2 3.94	-0.017	12	0.74		19.827	45	00.6	3.08	45	00.6		CZ	3786	P -42 1007
13	11.9E	10.0M	38 19.867	-0.0013	12	-43 2 14.98	-0.049	12	0.74		19.931	45	00.6	12.59	45	00.6		CZ	3787	P -42 1007
14	8.7E	8.3Z	38 33.918	-0.0021	12	-40 42 38.78	0.022	12	0.85		34.023	63	00.1	39.86	57	00.1	A3	CZ	3792	P -40 1105
15	8.5E	8.5Z	38 42.328	0.0022	12	-48 29 41.63	0.024	12	0.74		42.221	45	00.5	42.82	45	00.5	G5	CZ	3796	P -48 911
16		8.6T	38 43.134	-0.0006	18	-43 50 19.57	-0.007	14	0.83		43.161	17	01.2	19.19	18	99.3	K0	GC	8738	C -43 2603
17	8.8E	8.5Z	38 45.216	0.0013	12	-43 38 44.19	0.029	12	0.75		45.149	45	99.6	45.67	45	99.6	A5	CZ	3795	P -43 966
18	9.5E	8.6Z	38 50.032	-0.0018	12	-41 11 38.26	0.037	12	0.73		50.120	45	01.1	40.06	45	01.1	G0	CZ	3794	P -41 1067
19	9.8E	8.5Z	38 52.822	-0.0018	12	-47 14 55.50	-0.003	12	0.76		52.917	45	98.0	55.35	45	98.0	K0	CZ	3799	P -47 912
20	8.3E	8.5Z	39 0.534	-0.0018	12	-40 25 40.23	0.007	12	0.85		0.625	63	00.1	40.57	57	00.1	G0	CZ	3797	P -40 1108
21	10.0E	9.0Z	39 14.905	-0.0004	12	-41 56 47.44	0.015	12	0.66		14.925	28	99.7	48.20	26	99.7		CZ	3800	P -41 1070
22	9.0E	8.5Z	39 21.608	0.0102	12	-44 21 57.58	-0.053	12	0.67		21.091	31	99.4	54.91	28	99.4	G5	CZ	3802	P -44 1034
23		6.6T	39 25.746	-0.0011	07	-47 34 22.86	0.022	07	0.31		25.793	09	08.6	23.82	09	06.7	B8	GC	8750	C -47 2520
24		6.5T	39 27.843	-0.0014	10	-47 37 33.52	-0.009	09	0.56		27.922	21	94.8	33.02	19	92.9	M0	GC	8753	C -47 2521
25	10.0E	9.4*	39 28.136	0.0007	12	-45 41 53.28	0.037	12	0.66		28.102	31	00.4	55.13	28	00.4	F5	CZ	3804	P -45 991
26		6.1T	39 36.228	-0.0019	06	-40 18 3.84	0.014	05	0.28		36.314	12	05.7	4.53	12	00.3	B5	GC	8759K	C -40 2625
27		8.0T	39 40.118	-0.0000	09	-40 14 38.23	-0.013	07	0.38		40.119	14	06.2	37.59	12	01.7	A0	GC	8761	C -40 2626
28	8.7E	8.7M	39 47.880	-0.0009	12	-45 3 50.59	0.016	12	0.66		47.923	31	00.4	51.39	28	00.4	A3	CZ	3809	P -44 1037
29	8.8E	9.0H	39 51.259	0.0001	12	-45 13 34.79	0.007	12	0.73		51.252	45	01.6	35.14	45	01.6	A3	CZ	3811	P -45 993
30	9.4E	9.0Z	39 54.051	-0.0023	12	-40 34 59.28	-0.009	12	0.85		54.165	63	00.1	58.81	57	00.1		CZ	3808	P -40 1113
31	9.8E	8.5Z	40 18.239	-0.0020	12	-41 12 46.56	-0.001	12	0.73		18.338	45	01.1	46.49	45	01.1	K2	CZ	3812	P -41 1073
32	8.8E	8.1*	40 32.905	-0.0001	12	-49 20 12.07	0.018	12	0.65		32.911	31	02.1	12.96	28	02.1	F2	CZ	3817	P -49 1013
33	9.8E	10.0Z	40 33.601	-0.0015	12	-42 38 35.70	0.027	12	0.74		33.675	45	00.6	37.06	45	00.6		CZ	3813	P -42 1022
34		8.9T	40 38.094	-0.0013	16	-41 43 20.51	0.048	14	0.76		38.156	24	03.0	22.87	22	01.1	G	GC	8778	C -41 2538
35	9.6E	9.0Z	40 43.671	-0.0008	12	-46 25 24.82	0.008	12	0.65		43.911	28	00.3	25.23	26	00.3	G5	CZ	3818	P -46 971
36	9.7E	9.3Z	40 44.905	0.0047	12	-48 31 57.18	-0.086	12	0.74		44.672	45	00.5	52.91	45	00.5	F5	CZ	3821	P -48 924
37		7.6T	40 45.101	0.0002	14	-41 40 42.50	0.004	12	0.71		45.092	22	00.8	42.73	21	97.4	G5	GC	8782	C -41 2539
38		7.9T	40 53.920	-0.0051	22	-42 31 14.82	0.099	20	1.02		54.160	19	02.8	19.55	19	02.1	G0	GC	8788K	C -42 2683
39		7.7T	40 59.502	0.0007	13	-41 45 52.17	-0.008	13	0.71		59.467	18	99.0	51.77	18	97.8	K0	GC	8789	C -41 2543
40	9.6E	9.3*	41 4.059	-0.0003	12	-45 18 19.37	0.012	12	0.65		4.072	28	00.3	19.98	26	00.3	F8	CZ	3824	P -45 1003
41	9.4E	9.5Z	41 4.108	-0.0012	12	-46 58 54.24	0.012	12	0.65		4.169	28	00.3	54.84	26	00.3	F0	CZ	3825	P -46 978
42	9.3E	8.6Z	41 7.086	-0.0007	12	-43 27 27.89	0.012	12	0.67		7.123	28	98.8	28.53	26	98.8	A0	CZ	3822	P -43 964
43	9.0E	9.0Z	41 12.860	-0.0042	12	-40 48 19.31	0.036	12	0.85		13.069	63	00.1	21.19	57	00.1	F2	CZ	3823	P -40 1128
44	9.5E	9.0Z	41 22.963	0.0001	12	-47 52 37.75	0.013	12	0.70		22.958	36	99.3	38.41	36	99.3	K0	CZ	3831	P -47 922
45	9.7E	9.2Z	41 26.498	-0.0031	12	-43 18 23.58	0.018	12	0.67		26.657	28	98.8	24.52	26	98.8		CZ	3827	P -43 988
46	9.7E	9.3*	41 35.904	-0.0030	12	-41 44 19.87	0.031	12	0.65		36.053	28	00.5	21.41	26	00.5		CZ	3829	P -41 1086
47	10.2E	9.5Z	41 37.686	-0.0021	12	-40 31 57.12	0.007	12	0.65		37.791	28	00.1	57.45	26	00.1		CZ	3828	P -40 1131
48	9.4E	9.0*	41 39.236	-0.0018	12	-40 9 3.56	0.006	12	0.65		39.326	28	00.1	3.84	26	00.1	A3	CZ	3830	P -40 1132
49	9.6E	9.0Z	41 43.123	-0.0024	12	-47 4 15.48	0.019	12	0.70		43.245	36	99.3	16.45	36	99.3	F0	CZ	3835	P -46 985
50	9.9E	9.0Z	41 43.456	0.0029	12	-48 27 41.35	-0.015	12	0.74		43.314	45	00.5	40.61	45	00.5	G0	CZ	3837	P -48 926
51	9.2E	8.0Z	6 41 44.379	-0.0010	12	-40 51 27.86	-0.006	12	0.65		44.429	28	99.9	27.54	26	99.9	K5	CZ	3832	P -40 1133
52	10.1E	9.3*	41 45.153	-0.0017	12	-49 54 31.65	-0.022	12	0.65		45.233	31	02.1	30.61	28	02.1	F8	CZ	3838	P -49 1016
53	9.7E	8.5Z	41 50.840	0.0037	12	-48 48 50.42	0.001	12	0.67		50.656	31	00.0	50.49	28	00.0	K0	CZ	3839	P -48 927
54	10.6E	9.0Z	41 52.963	-0.0010	12	-41 8 27.46	-0.003	12	0.68		53.016	28	98.0	27.28	26	98.0		CZ	3834	P -41 1090
55	8.7E	8.0Z	41 53.678	-0.0017	12	-48 10 19.54	0.004	12	0.67		53.764	31	00.0	19.74	28	00.0	K0	CZ	3842	P -48 928
56	9.0E	9.5Z	41 56.777	-0.0005	12	-46 53 56.96	0.009	12	0.69		56.802	36	01.1	57.40	36	01.1	A0	CZ	3841	P -46 987
57	8.9E	8.5Z	42 0.583	-0.0040	12	-48 23 55.49	0.062	12	0.74		0.782	45	00.5	58.56	45	00.5	F5	CZ	3845	P -48 930
58	8.2E	8.0Z	42 3.380	0.0003	12	-44 0 14.40	0.012	12	0.70		3.363	36	99.4	15.02	36	99.4	A2	CZ	3840	P -43 991
59	9.8E	9.1Z	42 5.347	-0.0009	12	-43 24 24.73	0.011	12	0.75		5.392	45	99.6	25.30	45	99.6		CZ	3843	P -43 992
60	9.3E	9.2Z	42 14.766	-0.0011	12	-40 56 46.97	-0.126	12	0.82		14.818	63	02.9	40.93	57	02.9	G0	CZ	3844	P -40 1135
61	9.6E	9.0Z	42 27.141	-0.0015	12	-48 38 4.96	-0.012	12	0.74		27.216	45	00.5	4.39	45	00.5	F0	CZ	3850	P -48 933
62	9.1E	8.5Z	42 28.469	-0.0088	12	-42 39 54.87	0.221	12	0.66		28.916	28	99.2	+ 6.13	26	99.2	G5	CZ	3849	P -42 1040
63	8.9E	8.5Z	42 50.282	-0.0001	12	-47 1 25.00	0.026	12	0.72		50.288	45	02.6	26.24	45	02.6	G5	CZ	3851	P -46 992
64	10.6E	8.8Z	43 14.975	-0.0009	12	-41 6 40.17	-0.004	12	0.65		15.021	28	00.5	39.96	26	00.5		CZ	3853	P -41 1096
65	9.2E	9.0Z	43 35.400	0.0004	12	-48 39 18.58	0.066	12	0.74		35.380	45	00.5	21.87	45	00.5	F5	CZ	3860	P -48 937
66	9.2E	9.2*	43 35.868	-0.0015	12	-46 15 56.93	-0.004	12	0.65		35.943	31	01.1	56.74	28	01.1	F0	CZ	3855	P -46 999
67	9.1E	8.5Z	43 41.701	-0.0012	12	-43 49 1.32	0.022	12	0.67		41.761	28	98.6	2.46	26	98.6	F2	CZ	3856	P -43 1008
68	7.3E	7.2Z	43 42.046	0.0004	12	-46 52 57.12	0.000	12	0.65		42.025	31	01.1	57.14	28	01.1	B8	CZ	3861	P -46 1004
69	9.9E	9.5Z	43 45.070	-0.0025	12	-44 24 8.44	0.074	12	0.74		45.194	45	00.1	12.14	45	00.1		CZ	3859	P -44 1073
70		7.3T	43 47.521	-0.0012	12	-47 10 8.87	-0.003	10	0.62		47.584	19	99.5	8.73	18	95.8	B3	GC	8854	C -47 2561
71	9.8E	9.5Z	43 47.821	-0.0011	12	-41 55 12.92	0.019	12	0.65		47.876	28	00.5	13.87	26	00.5		CZ	3857	P -41 1098
72		7.4T	43 49.412	-0.0030	16	-46 47 59.41	-0.006	12	0.72		49.555	22	02.9	59.13	22	99.5	B8	GC	8857	C -46 2657
73	9.9E	9.5*	43 49.837	-0.0026	12	-42 8 29.62	0.012	12	0.66		49.968	28	99.3	30.24	26	99.3		CZ	3858	P -42 1048
74	8.8E	9.0Z	43 53.129	-0.0006	12	-46 38 53.54	-0.003	12	0.72		53.158	45	02.6	53.41	45	02.6	B9	CZ	3866	P -46 1006
75	9.2E	9.0Z	44 0.383	-0.0003	12	-42 28 48.11	0.026	12	0.74		0.399	45	00.6	49.41	45	00.6	F0	CZ	3864	P -42 1051
76	10.1E	9.0Z	44 9.961	-0.0008	12	-40 35 38.75	-0.004	12	0.82		9.999	63	02.9	38.55	57	02.9		CZ	3867	P -40 1146
77	9.5E	8.0Z	44 10.324	0.0002	12	-46 52 37.04	0.010	12	0.72		10.315	45	02.6	37.53	45	02.6	K0	CZ	3870	P -46 1009
78	9.0E	8.9*	44 22.200	0.0068	12	-45 56 35.30	0.010	12	0.66		21.864	31	00.4	35.80	28	00.4	G5	CZ	3871	P -45 1035
79	9.2E	9.5Z	44 25.468	0.0017	12	-42 50 5.33	0.034	12	0.66		25.381	28	99.4	7.08	26	99.4	F2	CZ	3868	P -42 1055
80	8.7E	8.5Z	44 33.921	-0.0024	12	-43 44 52.68	-0.012	12	0.75		34.041	45	99.6	52.09	45	99.6	F0	CZ	3872	P -43 1018
81	8.9E	9.0Z	44 44.433	-0.0012	12	-44 33 12.62	-0.003	12	0.74		44.492	45	00.1	12.49	45	00.1	F0	CZ	3874	P -44 1081
82	9.0E	8.5*	44 53.753	-0.0015	12	-49 55 56.86	0.007	12	0.65		53.824	31	02.1	57.21	28	02.1	B9	CZ	3876	P -49 1031
83	9.7E	9.0Z	45 9.511	-0.0010	12	-41 2 23.69	-0.007	12	0.82		9.558	63	02.9	23.34	57	02.9		CZ	3875	P -40 1151
84	8.3E	8.5Z	45 9.995	-0.0012	12	-47 38 14.29	0.003	12	0.74		10.056	45	00.0	14.44	45	00.0	B8	CZ	3879	P -47 947
85	9.0E	8.2H	45 18.162	-0.0013	12	-44 55 6.82	0.004	12	0.67		18.227	31	99.4	7.04	28	99.4	K5	CZ	3880	P -44 1086
86		6.9T	45 23.005	-0.0005	06	-47 44 57.48	0.003	05	0.27		23.028	10	05.9	57.63	10	03.0	G5	GC	8893K	C -47 2574
87	9.2E	9.0Z	45 23.747	-0.0011	12	-41 24 39.42	0.008	12	0.72		23.800	45	02.5	39.79	45	02.5	A0	CZ	3878	P -41 1107
88	8.9E	8.0Z	45 24.259	-0.0015	12	-40 41 51.40	-0.016	12	0.66		24.334	28	99.5	50.58	26	99.5	K2	CZ	3877	P -40 1153
89	9.7E	9.2Z	45 24.937	-0.0021	12	-47 41 25.33	-0.015	12	0.68		25.040	36	01.7	24.61	36	01.7	F8	CZ	3886	P -47 949
90	11.1E	10.3Z	45 25.337	-0.0004	12	-47 44 45.59	0.011	12	0.74		25.358	45	00.0	46.14	45	00.0	G5	CZ	3885	P -47 948
91	9.2E	9.0Z	45 26.854	-0.0011	12	-44 38 22.77	-0.011	12	0.74		26.908	45	00.1	22.24	45	00.1	F8	CZ	3881	P -44 1089
92	10.1E	9.7Z	45 31.646	-0.0010	12	-48 53 19.22	-0.005	12	0.68		31.695	36	02.0	19.01	36	02.0	F5	CZ	3887	P -48 949
93	9.8E	9.7Z	45 33.755	-0.0011	12	-42 30 31.24	0.015	12	0.74		33.810	45	00.6	31.99	45	00.6		CZ	3883	P -42 1061
94	9.1E	9.0Z	45 49.075	-0.0006	12	-47 3 33.37	0.020	12	0.68		49.115	36	01.7	54.34	36	01.7	F0	CZ	3889	P -47 953
95	9.2E	8.5Z	45 53.164	-0.0020	12	-47 22 4.02	0.007	12	0.68		53.262	36	01.7	4.36	36	01.7	F5	CZ	3891	P -47 955
96	9.7E	9.5Z	45 57.839	-0.0013	12	-41 17 5.80	0.025	12	0.65		57.904	28	00.5	7.02	26	00.5	F2	CZ	3888	P -41 1109
97		8.7T	46 3.109	-0.0039	14	-48 30 27.54	0.040	12	0.69		3.302	19	00.6	29.65	18	96.8	G0	GC	8907	C -48 2515
98	9.9E	9.3Z	46 10.326	-0.0010	12	-43 24 29.10	0.005	12	0.70		10.376	36	99.8	29.33	36	99.8	A3	CZ	3892	P -43 1031
99	9.9E	9.7Z	46 13.836	-0.0020	12	-46 30 3.96	0.014	12	0.69		13.934	36	01.0	4.65	36	01.0	F5	CZ	3898	P -46 1027
00	9.9E	9.7Z	46 14.013	-0.0007	12	-46 20 15.10	0.007	12	0.69		14.048	36	01.0	15.45	36	01.0	A2	CZ	3897	P -46 1026

218200 — EPOCH 1950 — ORIGINAL EPOCH — -40° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.3E	9.2Z	6 46 14.284	-0.0012	12	-43 50 4.50	0.007	12	0.70	14.323	36	00.0	4.87	36	99.8	A2	CZ	3883	P -43 1032
2	8.8E	8.0Z	46 14.662	0.0006	12	-44 38 45.93	0.012	12	0.68	14.651	28	99.6	46.55	28	99.6	K2	CZ	3886	P -44 1082
3		7.2E	46 18.645	0.0020	12	-47 14 35.30	-0.004	08	0.60	18.542	10	00.0	35.29	10	81.8	B5	CZ	3910	C -47 2500
4	9.3E	8.5Y	46 18.788	-0.0020	12	-42 34 52.49	0.017	12	0.65	18.829	28	00.0	53.37	28	00.0	B5	CZ	3905	P -42 1026
5	9.0E	9.3Z	46 23.581	0.0016	12	-46 16 6.93	-0.009	12	0.68	23.514	36	01.0	5.92	36	01.0	K0	CZ	3900	P -46 1029
6	7.4E	7.3Z	46 33.613	-0.0017	12	-49 0 10.83	-0.014	12	0.68	33.682	36	02.0	10.15	36	02.0	F0	CZ	3902	P -48 996
7	7.8E	8.5Z	46 34.648	0.0008	12	-44 15 33.53	0.008	12	0.65	34.804	28	99.6	33.88	28	99.6	G5	CZ	3901	P -44 1086
8		7.5Y	46 47.180	-0.0017	07	-43 44 37.81	0.048	07	0.35	47.281	15	03.5	40.27	14	01.3	A3	CZ	3884	C -43 2703
9	8.3E	8.5Z	46 47.981	-0.0022	12	-42 38 56.07	-0.014	12	0.65	48.091	28	99.9	55.38	28	99.9	A0	CZ	3903	P -42 1074
10	8.7E	8.0Z	46 48.865	0.0003	12	-45 19 35.09	0.003	12	0.65	48.949	28	99.8	35.25	28	99.8	A0	CZ	3908	P -45 1052
11	9.3E	9.0Z	46 53.101	-0.0010	12	-48 10 19.08	0.006	12	0.68	53.150	36	02.0	19.34	36	02.0	A3	CZ	3909	P -48 998
12	9.3E	9.0E	46 54.794	-0.0006	12	-46 38 6.24	-0.001	12	0.65	54.884	28	00.3	6.30	28	00.3	A0	CZ	3908	P -46 1032
13	8.8E	8.5Z	47 0.774	-0.0032	12	-47 33 45.11	0.017	12	0.65	0.932	28	00.8	45.85	28	00.8	F0	CZ	3911	P -47 987
14	9.1E	8.5Z	47 6.886	-0.0004	12	-43 34 37.84	0.001	12	0.73	6.905	45	99.7	37.30	45	99.7	F0	CZ	3910	P -43 1039
15	10.1E	9.3Z	47 7.036	-0.0008	12	-40 53 11.61	0.007	12	0.82	7.074	63	02.9	11.43	57	02.9		CZ	3907	P -40 1163
16	9.1E	8.3Y	47 7.547	-0.0008	12	-40 5 21.55	-0.008	12	0.66	7.558	28	99.7	20.12	28	99.7	K2	CZ	3906	P -40 1162
17	10.3E	9.5Z	47 10.184	0.0004	12	-44 43 0.04	0.005	12	0.74	10.084	45	00.2	0.31	45	00.2	K0	CZ	3913	P -44 1103
18		7.1Y	47 11.984	-0.0025	12	-43 44 38.08	-0.002	08	0.57	12.091	18	00.2	37.99	19	91.9	B8	CZ	8930	C -43 2709
19	10.3E	9.3E	47 12.051	-0.0012	12	-49 34 19.81	0.007	12	0.65	12.107	31	02.1	22.35	28	02.1	K0	CZ	3915	P -49 1036
20	9.3E	9.5Z	47 13.479	0.0006	12	-45 41 24.17	0.013	12	0.75	13.450	45	99.0	24.84	45	99.0	F2	CZ	3914	P -45 1057
21	9.7E	8.8Z	47 23.527	-0.0005	12	-48 30 39.41	-0.006	12	0.71	23.550	45	04.1	39.13	45	04.1	F8	CZ	3916	P -48 982
22	8.3E	7.8Z	47 38.149	-0.0029	12	-48 2 28.36	0.034	12	0.71	38.285	45	03.6	29.95	45	03.6	G5	CZ	3919	P -47 976
23	10.1E	9.2Z	47 41.494	-0.0010	12	-43 9 54.10	-0.005	12	0.67	41.545	28	98.8	53.82	28	98.8		CZ	3918	P -43 1047
24	8.3E	8.5Z	47 47.298	-0.0010	12	-49 7 50.12	0.015	12	0.65	47.347	31	02.1	50.81	28	02.1	B9	CZ	3923	P -49 1040
25		7.3Y	47 48.899	-0.0029	13	-46 39 2.43	0.051	12	0.68	49.044	22	00.7	5.10	21	98.1	B9	CC	8943	C -46 2696
26	9.7E	9.7E	47 52.271	-0.0008	12	-42 53 24.80	-0.007	12	0.66	52.312	28	99.4	24.47	26	99.4	A2	CZ	3920	P -42 1082
27		6.8Y	47 57.747	-0.0008	12	-41 22 19.12	0.004	12	0.66	57.789	18	98.3	24.05	17	97.5	F5	CC	8945	C -41 2802
28		6.9Y	48 4.332	-0.0012	13	-45 30 29.83	0.003	12	0.65	4.369	22	01.0	30.00	18	00.5	B8	CC	8948	C -45 2788
29	9.5E	9.0E	48 7.827	-0.0010	12	-41 47 13.19	0.021	12	0.65	7.876	28	00.7	14.24	26	00.7	A0	CZ	3924	P -41 1120
30	9.1E	8.8Z	48 10.168	-0.0007	12	-41 14 36.83	0.009	12	0.65	10.203	28	00.6	37.26	26	00.6	F0	CZ	3925	P -41 1121
31	8.6E	8.3E	48 23.403	0.0000	12	-44 59 25.83	0.125	12	0.66	23.403	28	99.5	32.16	26	99.5	A3	CZ	3928D	P -44 1113
32	10.3E	9.3Z	48 27.607	-0.0012	12	-43 58 6.94	-0.013	12	0.67	27.667	28	98.7	6.29	26	98.7		CZ	3929	P -43 1051
33		8.4Y	48 29.562	-0.0031	18	-42 5 10.44	-0.021	14	0.79	28.700	24	05.5	9.43	22	01.1	K2	CC	8959	C -42 2765
34	9.3E	9.4Z	48 29.118	-0.0025	12	-48 8 35.00	0.017	12	0.71	29.233	45	04.1	35.78	45	04.1	F0	CZ	3935	P -48 988
35		5.0Y	48 29.876	-0.0008	06	-46 33 37.51	0.373	05	0.28	29.911	12	08.6	54.91	12	03.4	F2	CC	8960	C -46 2703
36		6.4Y	48 30.239	0.0012	13	-45 23 24.02	-0.044	12	0.65	30.182	18	01.3	21.80	19	99.1	K0	CC	8962	C -45 2773
37	8.4E	8.8Z	48 32.352	-0.0022	12	-46 6 20.09	0.018	12	0.67	32.465	31	99.4	21.01	28	99.4	A2	CZ	3934	P -46 1047
38	8.5E	8.3Z	48 40.508	-0.0014	12	-40 51 44.74	0.012	12	0.82	40.574	63	02.9	45.29	57	02.9	B9	CZ	3932	P -40 1174
39	8.1E	8.2Z	48 51.658	-0.0015	12	-48 49 19.01	0.020	12	0.71	51.590	45	04.1	19.95	45	04.1	A2	CZ	3941	P -48 972
40	9.7E	9.6Z	48 54.178	-0.0014	12	-46 18 25.42	0.041	12	0.74	54.249	45	00.0	27.48	45	00.0	F5	CZ	3939	P -46 1055
41	9.4E	9.0Z	48 58.123	-0.0004	12	-47 21 8.13	0.028	12	0.71	58.142	45	03.6	9.44	45	03.6	F0	CZ	3942	P -47 981
42	9.7E	9.2Z	49 2.979	-0.0018	12	-46 2 56.72	0.003	12	0.75	3.072	45	99.0	56.89	45	99.0	F2	CZ	3943	P -45 1072
43	9.7E	9.5Z	49 6.208	-0.0004	12	-40 33 23.02	-0.000	12	0.82	6.223	63	02.9	23.01	57	02.9	A3	CZ	3938	P -40 1179
44	9.0E	9.2Z	49 10.302	-0.0005	12	-43 37 7.17	-0.049	12	0.75	10.356	45	99.7	4.71	45	99.7	F0	CZ	3944	P -43 1057
45	9.7E	9.3E	49 13.936	-0.0007	12	-46 54 28.93	0.085	12	0.67	13.972	31	99.4	28.25	28	99.4	A3	CZ	3945	P -46 1057
46	9.7E	9.0Z	49 15.632	-0.0022	12	-46 44 36.20	0.045	12	0.74	15.743	45	00.0	38.46	45	00.0	K0	CZ	3947	P -46 1039
47	10.0E	9.1Z	49 25.675	-0.0002	12	-41 49 42.14	-0.004	12	0.72	26.065	45	02.5	41.01	45	02.5		CZ	3946	P -41 1130
48	9.8E	9.0Z	49 30.050	-0.0017	12	-49 55 12.17	0.005	12	0.71	30.127	45	03.5	12.41	45	03.5	K0	CZ	3951	P -49 1047
49	10.0E	9.7Z	49 31.266	-0.0009	12	-48 2 23.77	-0.006	12	0.71	31.308	45	03.6	23.50	45	03.6	A2	CZ	3950	P -47 992
50		7.3Y	49 31.334	-0.0006	13	-42 8 36.30	0.015	11	0.65	31.365	17	99.4	37.12	17	96.6	K2	CC	8991	C -42 2776
51		7.1T	6 49 44.121	-0.0006	13	-47 15 56.41	0.050	12	0.69	44.153	18	00.8	59.06	21	97.4	K0	CC	8996	C -47 2828
52	9.8E	9.4Z	49 46.608	0.0022	12	-44 42 37.79	-0.023	12	0.74	46.497	45	00.2	36.66	45	00.2		CZ	3952	P -44 1128
53		7.3T	49 47.913	-0.0024	10	-40 29 20.58	-0.004	10	0.63	48.039	21	98.0	20.35	19	93.6	B9	CC	8998	C -40 2734
54	9.6E	9.5Z	49 48.395	-0.0009	12	-44 39 25.58	0.006	12	0.74	48.439	45	00.2	25.89	45	00.2	A0	CZ	3953	P -44 1129
55	9.1E	8.0Z	49 56.253	0.0010	12	-44 23 44.47	-0.009	12	0.67	56.201	31	99.5	44.03	28	99.5	K5	CZ	3955	P -44 1131
56	9.7E	8.5Z	49 58.157	-0.0021	12	-46 45 17.88	0.032	12	0.74	58.262	45	00.0	19.49	45	00.0	K2	CZ	3956	P -46 1084
57	10.0E	9.5Z	49 59.730	-0.0018	12	-46 22 27.14	0.014	12	0.74	59.821	45	00.0	27.85	45	00.0	A2	CZ	3957	P -46 1085
58		7.5T	50 9.658	-0.0000	11	-49 13 56.04	0.008	08	0.42	9.658	15	09.8	56.38	15	05.8	A2	CC	9008	C -49 2685
59	8.8E	7.5Z	50 10.456	0.0107	12	-44 14 48.60	0.154	12	0.74	9.922	45	00.2	56.29	45	00.2	K0	CZ	3959	P -44 1136
60		9.0Z	50 11.534	0.0009	12	-47 41 19.67	0.024	12	0.65	11.491	31	01.7	20.84	28	01.7	F5	CZ	3961D	P -47 999
61		6.2T	50 11.908	0.0033	16	-48 13 52.38	-0.009	12	0.72	11.749	19	02.2	51.93	18	97.9	K0	CC	9009	C -48 2556
62	10.4E	9.3E	50 12.945	0.0075	12	-41 53 50.33	0.123	12	0.65	12.573	28	00.5	56.43	26	00.5		CZ	3958	P -41 1132
63	10.4E	10.0H	50 14.152	-0.0018	12	-49 56 55.54	0.000	12	0.71	14.234	45	03.5	55.56	45	03.5	F0	CZ	3965	P -49 1050
64	10.0E	9.6Z	50 15.314	-0.0018	12	-49 56 50.29	-0.010	12	0.71	15.350	45	03.5	49.84	45	03.5	F0	CZ	3966	P -49 1050
65	9.4E	9.0Z	50 15.356	-0.0014	12	-47 16 00.00	0.033	12	0.71	15.422	45	03.6	1.53	45	03.6	A3	CZ	3964	P -47 1000
66	8.9E	8.5Z	50 16.202	0.0000	12	-43 2 25.80	0.002	12	0.66	16.202	28	99.1	23.93	26	99.1	G5	CZ	3960	P -42 1095
67	9.1E	8.5Z	50 23.566	0.0001	12	-48 55 57.99	-0.063	12	0.71	23.561	45	04.1	55.11	45	04.1	F8	CZ	3967	P -48 980
68	9.4E	9.0Z	50 53.988	-0.0009	12	-46 45 12.04	0.010	12	0.69	53.911	36	00.7	12.54	36	00.7	A0	CZ	3970	P -46 1071
69	9.3E	8.5Z	50 55.375	-0.0040	12	-42 48 13.74	0.005	12	0.74	55.572	45	00.6	14.01	45	00.6	G5	CZ	3969	P -42 1101
70	8.4E	8.5Z	50 57.294	0.0006	12	-45 59 10.03	0.023	12	0.66	57.265	28	99.1	11.21	26	99.1	G0	CZ	3972	P -45 1084
71	8.9E	8.8H	50 59.053	0.0037	12	-44 59 12.11	0.006	12	0.69	58.868	36	00.2	12.43	36	00.2	F8	CZ	3971	P -44 1141
72		6.5T	51 5.578	-0.0009	08	-42 26 30.71	-0.009	06	0.36	5.619	15	05.2	30.28	14	00.8	F2	CC	9019	C -42 2793
73		9.2T	51 6.721	-0.0006	18	-47 21 53.81	-0.026	22	0.98	6.752	19	03.0	52.62	19	03.4	A2	CC	9020	C -47 2646
74	9.4E	9.4Z	51 7.755	-0.0018	12	-46 49 29.29	0.010	12	0.70	7.844	36	00.1	49.76	36	00.1		CZ	3975	P -46 1103
75		9.5T	51 10.348	0.0081	26	-41 7 23.83	-0.014	22	1.08	10.129	24	06.9	23.20	24	05.7		CC	9024	C -41 2830
76		7.4T	51 11.370	-0.0026	12	-40 37 50.00	-0.003	11	0.63	11.506	17	98.1	49.82	18	94.1	K0	CC	9025	C -40 2753
77	8.7E	8.3Z	51 15.716	-0.0013	12	-46 44 48.39	0.012	12	0.65	15.781	28	00.1	49.00	26	00.1	G5	CZ	3980	P -46 1073
78		6.5T	51 16.097	-0.0011	12	-43 54 47.17	0.000	11	0.63	16.152	18	98.0	47.20	17	98.2	B9	CC	9027K	C -43 2756
79	8.9E	9.0Z	51 17.867	-0.0040	12	-42 38 11.02	0.039	12	0.70	18.066	36	00.1	12.99	36	00.1	F0	CZ	3977	P -42 1104
80		7.3T	51 25.816	-0.0021	15	-42 33 53.20	-0.000	11	0.69	25.919	17	00.9	53.18	18	96.9	F2	CC	9036	C -42 2799
81	9.4E	9.0Z	51 28.088	-0.0004	12	-40 27 17.88	0.014	12	0.65	28.109	28	00.1	18.56	26	00.1	K0	CZ	3979	P -40 1207
82	9.2E	9.0Z	51 36.994	-0.0019	12	-45 22 19.56	0.011	12	0.66	39.089	28	99.1	19.93	26	99.1	A3	CZ	3983	P -45 1086
83	9.2E	8.8Z	51 39.229	0.0006	12	-45 58 25.19	-0.053	12	0.70	39.200	36	99.4	27.89	36	99.4	G5	CZ	3984	P -45 1087
84	9.4E	9.0Z	51 40.305	0.0052	12	-40 16 31.98	-0.013	12	0.73	40.054	45	01.6	31.33	45	01.6	K0	CZ	3982	P -40 1208
85	9.4E	8.8Z	51 44.213	-0.0049	12	-44 52 0.80	0.111	12	0.69	44.456	36	00.2	0.56	36	00.2	A0	CZ	3985	P -44 1148
86	10.3E	9.7Z	51 46.180	-0.0003	12	-48 4 50.91	0.019	12	0.71	46.195	45	04.1	51.79	45	04.1	A2	CZ	3988	P -47 1006
87	8.8E	8.6Z	51 54.416	-0.0012	12	-42 9 31.09	0.032	12	0.70	54.476	36	00.1	32.69	36	00.1	K0	CZ	3986	P -42 1113
88	9.7E	8.5Z	52 1.772	0.0018	12	-41 52 37.84	-0.030	12	0.73	1.684	45	01.1	36.38	45	01.1	G5	CZ	3989	P -41 1148
89	9.4E	8.7Z	52 7.324	-0.0002	12	-44 10 52.83	0.054	12	0.74	7.333	45	00.2	55.53	45	00.2	K0	CZ	3990	P -44 1151
90	9.3E	8.8Z	52 14.379	0.0002	12	-43 3 1.03	0.025	12	0.65	14.369	28	99.1	2.33	24	99.1	G0	CZ	3991	P -42 1117
91	9.4E	8.5Z	52 23.676	0.0001	12	-46 21 46.32	-0.001	12	0.67	23.672	31	99.4	46.28	28	99.4	A2	CZ	3995	P -46 1083
92	9.4E	8.6Z	52 29.342	0.0002	12	-41 52 2.15	-0.028	12	0.66	29.332	28	99.7	0.75	26	99.7	G5	CZ	3994	P -41 1153
93	9.7E	9.4Z	52 41.042	-0.0023	12	-45 20 59.78	0.046	12	0.73	41.158	45	99.0	2.14	45	99.0	F5	CZ	3997	P -45 1096
94	9.5E	8.5Z	52 43.889	-0.0016	12	-44 18 36.53	-0.010	12	0.74	43.967	45	00.2	56.04	45	00.2	K0	CZ	3998	P -44 1153
95	9.2E	9.1H	52 45.904	0.0011	12	-40 7 44.87	0.077	12	0.68	45.848	31	98.6	48.80	28	98.6	G5	CZ	3996	P -40 1216
96		6.0T	52 52.176	0.0001	07	-42 18 4.23	0.023	05	0.28	52.172	09	07.9	5.31	09	03.8	K0	CC	9077	C -42 2818
97	10.1E	9.5Z	52 53.186	-0.0018	12	-47 55 55.21	0.003	12	0.65	53.274	31	01.7	55.35	28	01.7	F5	CZ	4006	P -47 1011
98	9.3E	7.8Z	52 55.782	-0.0011	12	-43 2 37.76	0.020	12	0.74	55.816	45	00.6	38.77	45	00.6	K5	CZ	4001	P -42 1123
99	9.7E	8.5Z	52 56.418	-0.0029	12	-40 25 22.49	-0.000	12	0.85	56.563	63	00.2	22.48	57	00.2	K0	CZ	4000	P -40 1221
00	10.0E	9.5Z	53 0.794	-0.0020	12	-41 30 30.42	0.005	12	0.73	0.893	45	01.1	30.65	45	01.1		CZ	4002	P -41 1158

218300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$,,.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 6H DM NUMBER
1	8.7E	8.7Z	6 53 9.692	-0.0022	12	-45 49 40.88	0.022	12	0.75	9.806	45	99.0	42.01	45	99.0	F0	CZ	4011D	P*-45 1103
2	9.6E	8.3Z	53 9.864	-0.0023	12	-40 46 47.36	-0.004	12	0.85	9.979	63	00.2	47.15	57	00.2	K2	CZ	4007	P -40 1227
3		7.5T	53 9.978	-0.0014	12	-43 55 49.62	-0.002	12	0.64	10.052	15	98.7	49.54	18	97.2	K0	GC	9087	C -43 2785
4	9.2E	8.5Z	53 10.117	0.0004	12	-42 40 53.37	-0.012	12	0.74	10.097	45	00.6	52.76	45	00.6	K0	CZ	4009	P -42 1125
5	9.9E	9.6Z	53 17.017	-0.0019	12	-48 38 5.69	0.011	12	0.71	17.105	45	04.1	6.21	45	04.1	F0	CZ	4014	P -48 996
6	10.0E	9.3*	53 17.527	0.0027	12	-49 18 35.15	0.039	12	0.65	17.399	31	02.1	37.00	28	02.1	F5	CZ	4015	P -49 1065
7	9.6E	9.3Z	53 28.868	-0.0016	12	-43 32 58.23	0.000	12	0.75	28.949	45	99.7	58.26	45	99.7	A0	CZ	4013	P -43 1099
8	9.8E	9.0Z	53 30.027	-0.0031	12	-40 59 58.56	0.017	12	0.85	30.181	63	00.2	59.40	57	00.2	G5	CZ	4012	P -40 1230
9	10.0E	9.6Z	53 35.263	-0.0010	12	-41 48 40.61	-0.002	12	0.73	35.312	45	01.1	40.52	45	01.1		CZ	4016	P -41 1159
10	9.9E	9.1Z	53 37.251	-0.0005	12	-41 40 21.10	0.001	12	0.73	37.276	45	01.1	21.15	45	01.1	K0	CZ	4017	P -41 1160
11	9.6E	8.5Z	53 43.668	-0.0034	12	-44 9 35.42	0.009	12	0.74	43.836	45	00.2	35.88	45	00.2	K0	CZ	4019	P -44 1159
12	9.8E	9.0Z	53 44.909	-0.0006	12	-45 32 49.61	0.005	12	0.68	44.937	31	98.7	49.88	28	98.7	K0	CZ	4021	P -45 1106
13	9.5E	9.0Z	53 50.684	-0.0009	12	-44 16 49.01	0.007	12	0.67	50.728	31	99.5	49.38	28	99.5	A0	CZ	4022	P -44 1163
14	8.5E	8.7H	53 55.520	-0.0025	12	-40 6 23.16	0.039	12	0.67	55.649	28	98.4	25.15	26	98.4	A3	CZ	4020	P -40 1234
15	9.7E	8.6*	53 58.058	0.0013	12	-44 51 37.61	0.004	12	0.67	57.992	31	99.5	37.84	28	99.5	K0	CZ	4023	P -44 1164
16	9.8E	8.5Z	54 6.802	0.0001	12	-46 23 55.23	0.007	12	0.74	6.798	45	00.0	55.59	45	00.0	K5	CZ	4025	P -46 1098
17	9.5E	8.7Z	54 14.106	-0.0008	12	-41 15 14.75	0.002	12	0.66	14.147	28	99.4	14.83	26	99.4	K0	CZ	4024	P -41 1169
18	9.2E	8.7*	54 37.483	-0.0048	12	-47 25 45.30	0.016	12	0.65	37.715	31	01.7	46.08	28	01.7	G0	CZ	4027	P -47 1026
19	9.9E	9.5Z	54 48.582	-0.0004	12	-44 40 21.29	0.012	12	0.74	48.601	45	00.2	21.91	45	00.2		CZ	4029	P -44 1172
20	9.4E	9.0Z	54 51.333	-0.0017	12	-40 44 4.05	0.012	12	0.85	51.417	63	00.2	4.63	57	00.2	F5	CZ	4026	P -40 1238
21	8.1E	7.8Z	54 52.380	-0.0025	12	-40 55 25.24	0.012	12	0.85	52.504	63	00.2	25.83	57	00.2	F0	CZ	4028	P -40 1240
22	10.0E	9.2Y	54 54.840	-0.0022	12	-47 57 57.24	0.011	12	0.71	54.943	45	03.6	37.75	45	03.6	A2	CZ	4036	P -47 1031
23	11.8E	10.0H	54 55.136	0.0004	12	-47 43 46.11	-0.029	12	0.71	55.118	45	03.6	44.76	45	03.6	A2	CZ	4037	P -47 1031
24		4.9T	54 56.079	-0.0000	06	-48 39 15.64	0.010	05	0.26	56.079	10	08.7	16.08	10	04.3	M0	GC	9137	C*-48 2801
25	9.3E	9.5Z	54 56.984	-0.0015	12	-42 8 30.29	0.003	12	0.74	57.059	45	00.6	30.44	45	00.6	A0	CZ	4031	P -42 1136
26	9.9E	8.7Z	55 1.396	-0.0014	12	-43 41 44.98	0.015	12	0.75	1.465	45	99.7	45.75	45	99.7	G5	CZ	4034	P -43 1107
27	9.7E	9.6Z	55 4.463	-0.0005	12	-40 50 49.79	-0.004	12	0.85	4.488	63	00.2	49.57	57	00.2		CZ	4032	P -40 1244
28	9.8E	9.0Z	55 20.547	-0.0007	12	-46 46 19.50	0.015	12	0.74	20.583	45	00.0	20.26	45	00.0	A3	CZ	4040	P -46 1113
29	9.9E	8.5Z	55 23.695	-0.0007	12	-43 58 35.87	0.037	12	0.75	23.729	45	99.7	37.75	45	99.7	K0	CZ	4039	P -43 1113
30	9.4E	8.9Z	55 34.142	-0.0013	12	-41 50 57.31	0.019	12	0.73	34.206	45	01.1	58.25	45	01.1	A0	CZ	4042	P -41 1181
31	9.0E	8.5Z	55 36.166	-0.0022	12	-46 44 46.75	0.039	12	0.69	36.274	36	01.0	48.66	36	01.0	F0	CZ	4043	P -46 1116
32	9.9E	9.4Z	55 46.725	-0.0003	12	-42 29 26.00	-0.043	12	0.74	46.741	45	00.6	23.89	45	00.6	G0	CZ	4044	P -42 1141
33	8.4E	8.9Z	55 54.546	-0.0016	12	-48 45 33.66	0.002	12	0.65	54.619	36	04.4	33.78	36	04.4	B9	CZ	4053	P -48 1002
34	8.6E	9.1Z	55 54.745	-0.0011	12	-43 9 16.74	0.035	12	0.67	54.802	28	98.5	18.56	26	98.5	A5	CZ	4047	P -43 1120
35	9.6E	8.5Z	55 56.074	-0.0048	12	-46 42 10.83	0.041	12	0.65	56.313	28	00.3	12.88	26	00.3	K0	CZ	4052	P -46 1121
36		7.1T	55 59.744	0.0006	12	-43 43 13.46	0.001	09	0.61	59.711	22	99.7	13.54	19	91.7	B9	GC	9162	C -43 2824
37	9.6E	8.8Z	56 1.937	0.0032	12	-41 13 32.41	-0.064	12	0.66	1.776	28	99.4	29.15	26	99.4	G5	CZ	4048	P -41 1185
38	10.0E	8.5Z	56 2.409	-0.0005	12	-49 25 3.12	0.042	12	0.71	2.434	45	03.5	5.09	45	03.5	G5	CZ	4058	P -49 1064
39	9.8E	9.1Z	56 7.484	-0.0007	12	-40 20 17.22	0.014	12	0.85	7.519	63	00.2	17.90	57	00.2	A0	CZ	4050	P -40 1251
40	8.2E	8.0Z	56 11.220	-0.0020	12	-41 57 36.35	0.068	12	0.73	11.318	45	01.1	39.68	45	01.1	A5	CZ	4055	P -41 1187
41	9.3E	9.5Z	56 14.010	-0.0026	12	-40 18 37.04	0.011	12	0.85	14.140	63	00.2	37.57	57	00.2	A2	CZ	4054	P -40 1252
42		7.6T	56 15.139	-0.0010	14	-42 32 15.90	-0.003	12	0.69	15.187	18	01.6	15.72	19	96.5	A3	GC	9170	C -42 2851
43		6.1T	56 17.257	-0.0005	20	-42 12 22.20	-0.040	22	0.95	17.235	24	06.1	20.49	26	06.8	K0	GC	9173	C -42 2850
44	9.7E	9.0Z	56 18.000	-0.0011	12	-49 22 54.21	0.010	12	0.71	18.052	45	03.5	54.69	45	03.5	F2	CZ	4064	P -49 1086
45	10.8E	9.8*	56 21.353	0.0001	12	-42 47 13.98	0.006	12	0.66	21.348	28	99.3	14.31	26	99.3		CZ	4059	P -42 1149
46	9.7E	9.5Z	56 23.246	-0.0016	12	-46 41 15.80	0.018	12	0.69	23.325	36	01.0	16.69	36	01.0	A0	CZ	4062	P -46 1123
47	9.6E	9.0Z	56 27.843	-0.0007	12	-46 47 3.43	0.016	12	0.69	27.878	36	01.0	4.22	36	01.0	G0	CZ	4066	P -46 1124
48	9.5E	9.0Z	56 28.980	-0.0014	12	-44 31 42.69	0.000	12	0.65	29.048	28	00.1	42.70	26	00.1	K0	CZ	4063	P -44 1191
49	9.6E	9.8Z	56 33.179	-0.0015	12	-42 8 5.89	0.017	12	0.70	33.254	36	00.1	6.75	36	00.1		CZ	4061	P -42 1155
50		6.8T	56 34.111	-0.0012	13	-46 1 38.00	0.015	12	0.67	34.169	17	99.9	38.81	17	97.4	A0	GC	-9182	C -45 2843
51	9.4E	9.5Z	6 56 34.653	-0.0003	12	-42 28 19.47	0.018	12	0.70	34.669	36	00.1	20.37	36	00.1	A5	CZ	4065	P -42 1156
52	8.7E	8.3*	56 34.991	-0.0015	12	-48 3 11.78	0.006	12	0.63	35.062	28	02.6	12.07	26	02.6	A5	CZ	4068	P -47 1039
53	10.9E	10.4Z	56 37.732	-0.0011	12	-47 21 17.36	0.004	12	0.65	37.783	36	04.1	17.55	36	04.1	A2	CZ	4070	P -47 1040
54		7.3T	56 38.048	-0.0014	14	-49 4 40.91	0.027	12	0.70	38.118	19	00.3	42.30	18	97.8	A0	GC	9186	C -48 2615
55	9.7E	9.4Z	56 38.800	-0.0016	12	-47 21 18.06	0.008	12	0.65	38.874	36	04.1	18.43	36	04.1	A2	CZ	4071	P -47 1040
56	9.6E	9.3Z	56 46.147	-0.0009	12	-48 11 56.32	0.003	12	0.65	46.189	36	04.4	56.46	36	04.4	F2	CZ	4075	P -48 1006
57	9.7E	8.7Z	56 52.577	-0.0001	12	-40 21 35.86	0.001	12	0.85	52.582	63	00.2	35.89	57	00.2	A2	CZ	4069	P -40 1255
58	9.4E	9.5Z	56 53.848	-0.0007	12	-43 6 56.55	-0.024	12	0.69	53.882	36	00.5	55.33	36	00.5	F5	CZ	4074	P -43 1131
59	8.7E	8.5Z	56 53.870	-0.0013	12	-41 53 27.58	0.012	12	0.66	53.936	28	99.6	28.19	26	99.6	A3	CZ	4072	P -41 1199
60		6.2T	57 14.452	-0.0011	11	-45 41 52.78	-0.021	07	0.51	14.505	18	00.7	51.57	15	91.3	A0	GC	9199	C -45 2850
61	9.5E	9.5Z	57 17.613	0.0003	12	-44 0 53.79	-0.002	12	0.66	17.597	28	99.3	53.70	26	99.3	G0	CZ	4076	P -43 1139
62		7.4T	57 35.652	-0.0000	12	-46 57 11.78	-0.010	11	0.61	35.654	15	99.8	11.29	17	98.8	B9	GC	9208	C -46 2811
63	9.7E	9.8Z	57 36.671	-0.0012	12	-46 28 41.58	0.016	12	0.72	36.729	45	02.6	42.34	45	02.6	A0	CZ	4081	P -46 1142
64	10.4E	9.0*	57 37.014	-0.0012	12	-41 33 34.31	-0.027	12	0.67	37.076	28	98.7	32.92	26	98.7		CZ	4079	P -41 1203
65	9.3E	8.5Z	57 39.020	-0.0002	12	-46 7 23.81	-0.009	12	0.65	39.032	31	01.1	23.38	28	01.1	K0	CZ	4083	P -46 1144
66		9.7Y	57 41.995	0.0006	18	-46 57 8.60	-0.013	20	0.89	41.970	24	05.2	8.03	24	04.9	F2	GC	9213	C -46 2813
67	8.0E	8.5Z	57 44.615	-0.0004	12	-42 10 2.73	0.005	12	0.67	44.636	28	98.2	3.00	26	98.2	B8	CZ	4080	P -42 1161
68	9.8E	9.1*	57 45.756	-0.0021	12	-47 22 30.35	0.019	12	0.65	45.858	31	01.8	51.28	28	01.8	F2	CZ	4086	P -47 1052
69		7.9T	57 46.086	-0.0003	13	-45 9 28.21	-0.003	12	0.69	46.102	19	00.1	28.07	18	97.7	K5	GC	9215	C -45 2855
70	9.9E	9.5Z	57 51.631	0.0012	12	-40 20 25.47	-0.032	12	0.85	51.572	63	00.2	23.86	57	00.2	A0	CZ	4084	P -40 1262
71	9.9E	9.0Z	58 2.398	0.0024	12	-44 12 36.09	-0.145	12	0.66	2.277	31	00.1	28.87	28	00.1	G5	CZ	4088	P -44 1205
72	9.0E	8.5Z	58 3.554	-0.0021	12	-41 29 9.74	0.027	12	0.75	3.660	45	99.7	11.08	45	99.7	A5	CZ	4087	P -41 1206
73	9.9E	9.5Z	58 11.168	-0.0002	12	-44 53 3.17	0.001	12	0.73	11.177	45	01.1	3.24	45	01.1		CZ	4092	P -44 1207
74		6.9T	58 13.071	0.0021	10	-40 55 52.86	0.060	07	0.41	12.983	15	07.7	55.65	14	03.4	K0	GC	9234	C -40 2831
75	9.9E	9.5Z	58 28.207	0.0016	12	-44 39 21.92	-0.025	12	0.73	28.129	45	01.1	20.72	45	01.1		CZ	4095	P -44 1209
76	9.0E	8.5Z	58 31.239	-0.0016	12	-42 48 43.31	0.005	12	0.67	31.322	28	98.4	43.60	26	98.4	K0	CZ	4094	P -42 1168
77	9.7E	8.8Z	58 31.373	0.0099	12	-49 26 6.49	-0.084	12	0.65	30.900	31	02.1	2.49	28	02.1	G0	CZ	4096	P -49 1093
78	9.0E	8.0Z	58 50.169	0.0008	12	-43 25 43.67	-0.031	12	0.74	50.130	45	00.6	42.16	45	00.6	K2	CZ	4098	P -43 1152
79	9.2E	8.5Z	58 52.344	0.0011	12	-41 18 39.95	0.214	12	0.67	52.288	28	98.7	50.90	26	98.7	K0	CZ	4097	P -41 1206
80	8.6E	8.3Z	58 56.903	-0.0022	12	-41 36 32.09	0.000	12	0.75	59.014	45	99.7	32.10	45	99.7	A2	CZ	4099	P -41 1210
81		6.5T	59 4.327	-0.0017	09	-49 3 47.10	-0.031	07	0.38	4.399	15	08.0	45.64	15	03.5	G5	GC	9255	C -48 2648
82	10.1E	9.2Z	59 8.038	-0.0014	12	-49 5 10.18	0.023	12	0.71	8.103	45	03.5	11.27	45	03.5		CZ	4103	P -48 1020
83	9.8E	9.4Z	59 10.091	-0.0031	12	-47 55 15.87	0.020	12	0.71	10.235	45	03.6	16.80	45	03.6	F0	CZ	4102	P -47 1059
84		7.6T	59 13.206	0.0018	16	-40 52 38.01	0.041	13	0.78	13.119	18	01.1	40.16	19	97.4	K0	GC	9257	C -40 2838
85		7.1T	59 27.534	-0.0028	13	-40 43 21.62	-0.001	10	0.65	27.673	19	00.8	21.56	19	94.7	A0	GC	9266	C -40 2843
86	9.1E	7.0Z	59 46.667	-0.0016	12	-49 38 9.55	0.004	12	0.71	46.740	45	03.5	9.75	45	03.5	K0	CZ	4108	P -49 1100
87	9.4E	8.2H	59 50.482	-0.0005	12	-44 49 54.92	0.002	12	0.66	50.507	31	00.1	55.04	28	00.1	K5	CZ	4105	P -44 1226
88		6.9T	7 0 8.786	-0.0012	13	-40 49 25.45	0.005	10	0.65	8.846	18	00.3	25.73	18	93.6	B5	GC	9287	C -40 2856
89	9.6E	9.0Z	0 17.996	-0.0027	12	-40 19 27.83	0.017	12	0.67	18.136	28	98.2	28.69	26	98.2	G5	CZ	4112	P -40 1287
90	9.2E	8.5Z	0 23.847	-0.0005	12	-45 43 40.75	0.027	12	0.73	23.872	45	01.6	42.06	45	01.6	K5	CZ	4114	P -45 1165
91	9.6E	8.5Z	0 27.634	-0.0010	12	-45 26 49.40	0.002	12	0.73	27.681	45	01.6	49.51	45	01.6	G5	CZ	4115	P -45 1167
92	9.7E	9.5*	0 28.286	-0.0014	12	-48 44 49.61	-0.005	12	0.64	28.333	31	02.4	49.39	28	02.4	A0	CZ	4117	P -48 1030
93	9.9E	9.0Z	0 33.393	-0.0013	12	-46 51 11.48	-0.001	12	0.63	33.456	28	02.1	11.44	26	02.1	A0	CZ	4118	P -46 1179
94	9.4E	9.0*	0 40.187	-0.0036	12	-41 32 14.02	-0.017	12	0.67	40.372	28	98.6	13.13	26	98.6	G0	CZ	4116	P -41 1219
95	10.1E	9.5Z	0 42.187	-0.0020	12	-46 21 33.99	-0.008	12	0.63	42.284	28	02.1	33.61	26	02.1	G0	CZ	4121	P -46 1177
96		6.4T	0 42.646	0.0007	11	-43 19 48.80	-0.013	07	0.52	42.609	17	97.2	48.00	17	90.2	A0	GC	9298	C -43 2882
97		7.1T	0 46.101	-0.0005	13	-42 33 31.79	0.005	10	0.64	46.205	17	00.2	32.04	18	96.1	B8	GC	9299	C -42 2915
98	8.8E	9.0Z	0 47.702	-0.0031	12	-48 1 6.09	-0.017	12	0.61	47.849	26	02.6	5.29	24	02.6	A0	CZ	4123	P -47 1070
99	9.9E	9.0Z	0 49.175	-0.0030	12	-43 29 52.38	-0.012	12	0.74	49.324	45	00.6	51.76	45	00.6	F5	CZ	4122	P -43 1171
00	8.1E	8.4H	0 50.573	-0.0003	12	-48 55 13.19	-0.014	12	0.71	50.587	45	04.1	12.57	45	04.1	A2	CZ	4125D	P*-48 1031

218400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 7H DM NUMBER
1		8.3T	7 1 8.479	0.0015	18	-49 59 35.66	-0.049	18	0.86	8.410	24	05.1	33.46	24	04.0	K0	6C	9312	C -49 2572
2	10.4E	9.8H	1 17.247	-0.0008	12	-47 15 39.09	-0.020	12	0.64	17.290	31	02.6	38.16	28	02.6	F8	CZ	4131	P -47 1073
3	10.4E	9.2Z	1 19.680	-0.0015	12	-41 10 17.00	-0.020	12	0.65	19.756	28	99.8	15.96	26	99.8	K	CZ	4127	P -41 1224
4	9.8E	9.0Z	1 21.173	-0.0005	12	-41 27 2.29	0.015	12	0.69	21.200	36	00.7	3.00	36	00.7	F2	CZ	4128	P -41 1225
5	8.0E	8.3H	1 25.093	-0.0001	12	-45 40 37.22	0.007	12	0.65	25.101	28	00.4	37.58	26	00.4	A0	CZ	41330	P-45 1175
6		7.5T	1 25.942	-0.0036	12	-40 17 0.06	0.057	12	0.65	26.127	18	98.9	3.09	17	96.6	A3	6C	9318	C -40 2877
7		7.1T	1 28.508	0.0011	14	-49 51 12.56	0.012	12	0.69	28.453	17	00.7	13.20	18	98.3	A2	6C	9319	C -49 2577
8	10.0E	8.4H	1 38.917	-0.0006	12	-48 47 45.36	0.016	12	0.68	38.942	45	07.1	46.05	45	07.1	K0	CZ	4130	P -48 1032
9	9.5E	9.1H	1 43.515	-0.0013	12	-44 56 58.35	-0.013	12	0.69	43.578	36	00.8	57.70	36	00.8	F0	CZ	4137	P -44 1245
10	10.1E	9.8H	1 44.673	0.0012	12	-49 4 48.16	0.028	12	0.68	44.620	45	06.6	49.37	45	06.6	F2	CZ	4143	P -48 1034
11	9.7E	8.9H	1 49.479	-0.0020	12	-41 2 48.85	-0.004	12	0.73	49.575	45	01.6	48.06	45	01.6	G5	CZ	4136	P -40 1289
12	9.5Z	9.5Z	1 53.918	-0.0019	12	-40 22 56.73	0.017	12	0.82	54.009	63	02.9	57.54	57	02.9	A3	CZ	4138	P -40 1300
13	9.7E	8.7H	1 57.538	-0.0002	12	-41 24 44.00	-0.013	12	0.66	57.550	28	99.6	43.35	28	99.6	A5	CZ	4140	P -41 1234
14	10.0E	9.0H	1 57.796	0.0013	12	-43 31 28.49	-0.006	12	0.66	57.730	28	99.3	28.18	28	99.3	G5	CZ	4142	P -43 1180
15		8.9T	1 59.524	-0.0038	26	-40 22 23.60	0.029	20	1.03	59.690	24	05.1	24.90	24	05.1	A3	6C	9330	C -40 2885
16	9.7E	10.4H	2 6.985	-0.0020	12	-41 20 3.05	0.044	12	0.73	7.084	45	01.0	5.21	45	01.0	F5	CZ	4144	P -41 1235
17	9.4E	7.3H	2 12.968	-0.0029	12	-41 7 53.20	-0.010	12	0.73	13.105	45	01.0	52.72	45	01.0	K0	CZ	4145	P -41 1238
18	9.0E	8.3H	2 17.886	-0.0105	12	-43 29 27.77	0.406	12	0.74	18.415	45	00.6	47.83	45	00.6	K2	CZ	4147	P -43 1184
19	9.0E	8.5H	2 19.581	-0.0018	12	-47 41 21.52	-0.008	12	0.69	19.662	45	05.1	21.10	45	05.1	K0	CZ	4152	P -47 1076
20	9.4E	8.8H	2 19.794	-0.0020	12	-42 28 14.59	0.012	12	0.67	19.897	28	98.4	15.20	28	98.4	A3	CZ	4146	P -42 1188
21		3.8T	2 23.219	-0.0106	06	-43 32 15.60	-0.385	05	0.28	23.681	12	06.6	34.68	12	00.5	G0	6C	9340K	C -43 2906
22	9.4E	8.8H	2 26.223	-0.0014	12	-47 44 50.19	-0.009	12	0.69	26.287	45	05.1	49.77	45	05.1	F2	CZ	4154	P -47 1077
23		6.9T	2 26.784	-0.0108	11	-43 32 27.63	0.370	07	0.50	27.331	18	00.0	48.69	17	93.0	G0	6C	9341K	C-43 2907
24		5.3H	2 27.608	-0.0016	03	-42 15 44.93	0.057	03	0.13	27.661	09	17.7	47.13	08	17.3	A2	PA	1184	C -42 2929
25	8.9E	8.5H	2 27.677	-0.0002	12	-44 35 5.23	0.013	12	0.66	27.686	31	00.1	5.88	28	00.1	A2	CZ	4153	P -44 1254
26	10.4E	9.7H	2 29.694	-0.0020	12	-41 50 45.46	0.024	12	0.66	29.795	28	99.6	46.65	26	99.6	G	CZ	4151	P -41 1240
27		5.1T	2 35.650	-0.0053	07	-49 30 35.90	0.146	05	0.30	35.870	12	08.2	43.14	12	00.6	A2	6C	9348	C-49 2567
28	9.6E	9.3H	2 50.503	-0.0004	12	-40 54 58.22	0.015	12	0.82	50.522	63	02.9	58.93	57	02.9	A0	CZ	4156	P -40 1310
29	8.8E	8.2H	2 52.639	-0.0031	12	-43 39 36.44	0.009	12	0.74	52.790	45	00.6	36.87	45	00.6	A0	CZ	4161	P -43 1188
30	9.3E	8.9H	2 52.703	-0.0015	12	-42 42 8.37	0.012	12	0.75	52.779	45	99.2	8.98	45	99.2	K0	CZ	4159	P -42 1196
31	9.4E	9.6H	2 55.080	-0.0011	12	-42 31 14.94	0.009	12	0.75	55.117	45	99.2	15.38	45	99.2	A3	CZ	4160	P -42 1198
32		7.0T	3 2.417	0.0007	12	-40 24 27.24	0.015	12	0.61	2.384	14	01.0	27.99	14	99.7	K0	6C	9358	C -40 2986
33	9.4E	8.5H	3 6.912	-0.0007	12	-43 30 17.77	0.019	12	0.66	6.947	28	99.2	18.74	26	99.2	K5	CZ	4165	P -43 1191
34	9.8E	9.6H	3 29.893	-0.0016	12	-42 46 12.22	0.031	12	0.75	29.973	45	99.2	13.80	45	99.2	F0	CZ	4167	P -42 1206
35	10.0E	9.2H	3 32.125	0.0004	12	-49 44 40.06	-0.119	12	0.68	32.109	45	06.6	34.89	45	06.6	G5	CZ	4170	P -49 1121
36	9.9E	10.0H	3 47.141	-0.0012	12	-40 39 36.72	0.012	12	0.82	47.197	63	02.9	37.29	57	02.9	A0	CZ	4169	P -40 1319
37	9.5E	9.8H	3 50.025	-0.0020	12	-42 36 29.44	0.017	12	0.75	50.124	45	99.2	30.30	45	99.2	A0	CZ	4172	P -42 1210
38	9.9E	9.0H	3 51.799	0.0012	12	-47 36 32.54	0.022	12	0.64	51.742	31	02.8	33.36	28	02.8	F8	CZ	4175	P -47 1081
39	9.8E	9.1H	3 52.263	-0.0020	12	-45 14 47.96	-0.018	12	0.73	52.358	45	01.6	47.07	45	01.6	F5	CZ	4174	P -45 1194
40		6.5T	3 53.986	0.0003	13	-40 33 47.97	0.076	10	0.63	53.972	22	00.2	52.05	19	96.2	G0	6C	9379	C -40 2908
41	9.2E	8.6H	3 56.349	-0.0015	12	-41 8 47.91	0.015	12	0.66	56.424	28	99.7	48.68	26	99.7	A0	CZ	4173	P -41 1247
42	9.1E	8.6H	4 5.115	-0.0010	12	-42 54 46.72	0.014	12	0.67	5.167	28	98.3	47.44	28	98.3	K2	CZ	4176	P -42 1213
43	10.1E	9.0H	4 5.851	0.0012	12	-49 58 50.81	0.024	12	0.68	5.901	45	06.6	51.97	45	06.6	K0	CZ	4180	P -49 1125
44	9.4E	8.2H	4 7.728	0.0007	12	-47 37 32.02	0.004	12	0.69	7.695	45	05.1	33.07	45	05.1	K0	CZ	4178	P -47 1084
45	9.4E	9.0H	4 12.476	0.0002	12	-49 47 34.71	-0.004	12	0.68	12.469	45	06.6	34.52	45	06.6	F5	CZ	4184	P -49 1126
46	9.7E	9.0H	4 14.604	-0.0018	12	-48 45 42.72	-0.012	12	0.62	14.685	31	04.4	42.18	28	04.4	G0	CZ	4183	P -48 1043
47		7.1T	4 22.406	-0.0016	06	-42 14 59.05	0.025	05	0.26	22.472	09	09.2	+ 0.16	09	06.2	B9	6C	9391K	C -42 2959
48		9.0T	4 26.516	-0.0038	18	-42 14 5.29	-0.005	12	0.75	26.687	24	05.1	5.06	22	01.3	F3	6C	9393K	C -42 2961
49	9.4E	8.0H	4 27.431	-0.0006	12	-40 52 20.94	0.004	12	0.82	27.460	63	02.9	21.13	57	02.9	K0	CZ	4181	P -40 1325
50	9.6E	9.3H	4 36.145	-0.0006	12	-45 11 12.17	0.014	12	0.73	36.172	45	01.6	12.83	45	01.6	F2	CZ	4187	P -45 1202
51	8.7E	7.6H	7 4 38.002	-0.0006	12	-45 53 24.40	-0.005	12	0.66	38.032	31	04.0	24.13	28	00.4	K5	CZ	4189	P -45 1203
52	8.9E	8.9H	4 42.766	-0.0015	12	-40 41 1.14	0.003	12	0.82	42.836	63	02.9	1.29	57	02.9	A0	CZ	4185	P -40 1327
53		6.6T	4 48.229	0.0011	10	-43 31 56.77	0.005	08	0.55	48.168	21	96.7	57.10	19	69.4	A0	6C	9401	C -43 2931
54	9.3E	9.2H	4 56.727	0.0001	12	-48 33 0.84	0.005	12	0.68	56.722	45	07.1	1.07	45	07.1	A	CZ	4193	P -48 1047
55	9.4E	9.0H	4 57.352	0.0005	12	-48 27 36.98	0.041	12	0.62	57.329	31	04.4	40.82	28	04.4	F0	CZ	4195	P -48 1048
56	9.8E	9.4H	4 58.101	-0.0017	12	-48 3 15.90	-0.003	12	0.69	58.177	45	05.1	15.75	45	05.1	G0	CZ	4194	P -47 1104
57	9.3E	9.1H	4 58.546	-0.0013	12	-43 16 41.60	0.019	12	0.74	58.610	45	00.6	42.54	45	00.6	K0	CZ	4192	P -43 1206
58	9.3E	8.8H	5 3.686	-0.0012	12	-49 43 2.75	-0.006	12	0.62	3.743	31	04.1	3.01	28	04.1	K2	CZ	4198	P -49 1130
59	9.2E	9.2H	5 11.864	0.0008	12	-48 10 15.46	-0.062	12	0.62	11.827	31	04.4	12.61	28	04.4	G0	CZ	4201	P -48 1051
60	9.7E	9.6H	5 12.147	-0.0020	12	-46 44 55.32	0.030	12	0.70	12.238	45	04.1	56.69	45	04.1	F0	CZ	4200	P -46 1221
61	9.1E	8.3H	5 14.965	0.0001	12	-44 43 10.92	0.024	12	0.66	14.959	31	00.1	12.11	28	00.1	F0	CZ	4196	P -44 1273
62	10.7E	9.6Z	5 20.882	0.0017	12	-49 9 12.20	-0.036	12	0.62	20.803	31	04.1	10.54	28	04.1		CZ	4206	P -49 1131
63	8.8E	8.4H	5 25.679	-0.0015	12	-44 58 19.19	0.018	12	0.66	25.752	31	00.1	20.09	28	00.1	F0	CZ	4205	P -44 1274
64	10.0E	9.4Z	5 28.498	-0.0038	12	-46 5 46.04	0.039	12	0.65	28.776	31	02.1	47.89	28	02.1		CZ	4208	P -45 1214
65		5.9T	5 28.757	-0.0013	09	-40 48 50.15	0.003	08	0.52	28.829	18	95.7	50.32	17	91.3	B9	6C	9419	C -40 2930
66	9.2E	9.4H	5 30.219	-0.0014	12	-45 23 10.11	0.005	12	0.66	30.286	31	00.4	10.34	28	00.4	F0	CZ	4207	P -45 1213
67	9.7E	9.3Z	5 31.395	-0.0023	12	-40 15 49.86	0.030	12	0.82	31.503	63	02.9	51.28	57	02.9		CZ	4203	P -40 1332
68		8.1T	5 32.473	0.0001	20	-40 27 29.19	-0.006	14	0.81	32.470	24	05.9	28.95	24	02.9	K2	6C	9422	C -40 2932
69	10.9E	9.2Z	5 42.791	-0.0001	12	-42 56 24.77	-0.003	12	0.67	42.797	28	98.1	24.61	26	98.1		CZ	4209	P -42 1226
70	9.4E	8.9H	5 49.699	-0.0018	12	-46 32 13.29	-0.008	12	0.63	49.784	28	02.1	12.89	26	02.1	G5	CZ	4211	P -46 1230
71	8.3E	8.4H	6 0.446	-0.0004	12	-43 47 6.76	0.046	12	0.69	0.464	36	00.5	9.03	36	00.5	A2	CZ	4213	P -43 1215
72	9.4E	9.6H	6 7.203	-0.0004	12	-43 20 49.59	0.027	12	0.65	7.223	28	99.6	50.95	24	99.6	F2	CZ	4214	P -43 1217
73	8.2E	7.6H	6 8.059	-0.0015	12	-43 53 55.14	0.029	12	0.69	8.131	36	00.5	56.57	36	00.5	A2	CZ	4217	P -43 1218
74	8.7E	8.9H	6 14.037	-0.0009	12	-40 22 30.30	0.014	12	0.82	14.080	63	02.9	30.97	57	02.9	B9	CZ	4216	P -40 1342
75	9.8E	9.2H	6 30.632	-0.0010	12	-40 40 32.29	0.005	12	0.82	30.679	63	02.9	32.54	57	02.9	F8	CZ	4221	P -40 1344
76	9.8E	9.6H	6 33.082	-0.0008	12	-48 36 44.45	0.011	12	0.65	33.098	36	04.1	44.95	36	04.1	A0	CZ	4223	P -48 1055
77	9.8E	8.8H	6 35.238	-0.0005	12	-48 50 11.08	0.020	12	0.62	35.252	28	02.9	12.02	28	02.9	G5	CZ	4224	P -48 1056
78	10.3E	9.3H	6 44.548	0.0014	12	-41 49 46.05	-0.019	12	0.65	44.478	28	00.1	45.08	24	00.1	K0	CZ	4222	P -41 1272
79	8.3E	7.9H	6 56.071	-0.0014	12	-47 45 33.51	0.037	12	0.64	56.138	28	01.6	35.28	26	01.6	F0	CZ	4228	P -47 1123
80	8.7E	8.9H	7 0.522	-0.0007	12	-47 26 23.08	0.016	12	0.67	0.555	36	02.8	23.82	36	02.8	A0	CZ	4227	P -47 1184
81	9.3E	8.9H	7 5.367	-0.0001	12	-43 37 1.50	0.023	12	0.75	5.370	45	99.7	2.65	45	99.7	G5	CZ	4225	P -43 1227
82	9.1E	9.1H	7 17.081	0.0002	12	-43 33 44.24	0.014	12	0.75	17.051	45	99.7	44.94	45	99.7	A2	CZ	4229	P -43 1232
83	10.7E	9.9Z	7 19.899	0.0004	12	-44 32 37.94	0.004	12	0.67	19.867	31	99.5	38.13	28	99.5		CZ	4231	P -44 1294
84		6.9T	7 28.915	-0.0019	09	-45 14 58.86	0.013	08	0.40	28.998	15	07.0	59.45	15	06.1	B8	6C	9469	C -45 2960
85	9.9E	9.8Z	7 36.534	-0.0019	12	-45 46 5.28	0.009	12	0.73	36.627	45	01.1	5.70	45	01.1		CZ	4234	P -45 1239
86	9.4E	8.5H	7 36.453	-0.0004	12	-49 8 9.71	0.019	12	0.69	36.470	45	06.1	10.55	45	06.1	G5	CZ	4235	P -49 1140
87	9.9E	9.3H	7 46.995	-0.0010	12	-40 50 42.66	0.015	12	0.82	47.002	63	02.9	43.37	57	02.9	F5	CZ	4233	P -40 1351
88	9.0E	8.6H	8 0.391	-0.0021	12	-49 53 48.56	-0.002	12	0.69	0.486	45	06.1	48.47	45	06.1	A0	CZ	4242	P -49 1144
89	9.4E	9.0H	8 2.810	-0.0008	12	-42 14 53.65	0.005	12	0.66	2.850	28	99.3	53.89	26	99.3	A0	CZ	4238	P -42 1242
90	10.3E	9.6Z	8 3.016	-0.0015	12	-46 47 17.92	0.011	12	0.65	3.088	31	01.8	18.43	28	01.8		CZ	4240	P -46 1252
91	9.4E	9.8H	8 6.147	-0.0009	12	-44 1 10.53	0.008	12	0.67	6.191	28	98.7	10.93	28	98.7	B9	CZ	4239	P -43 1245
92	9.3E	8.9H	8 6.837	-0.0006	12	-49 45 15.86	0.042	12	0.69	6.866	45	06.1	17.70	45	06.1	K0	CZ	4243	P -49 1146
93	10.0E	10.2H	8 12.507	-0.0019	12	-43 1 50.53	0.001	12	0.66	12.604	28	99.3	50.38	26	99.3	A0	CZ	4241	P -42 1245
94	8.3E	8.0H	8 17.633	-0.0021	12	-46 16 49.87	0.005	12	0.65	17.735	31	01.8	30.10	28	01.8	K0	CZ	4245	P -46 1253
95	9.4E	9.0H	8 28.484	-0.0007	12	-40 27 36.92	0.007	12	0.82	28.518	63	02.9	37.25	57	02.9	A3	CZ	4244	P -40 1358
96	9.7E	9.8H	8 29.535	-0.0041	12	-44 6 1.84	0.091	12	0.74	29.737	45	00.2	6.17	45	00.2	F5	CZ	4249	P -43 1249
97	9.7E	8.9H	8 33.230	-0.0021	12	-41 6 2.03	0.008	12	0.72	33.330	45	02.5	2.42	45	02.5	A3	CZ	4248	P -40 1359
98	9.4E	9.6H	8 37.375	-0.0012	12	-45 24 30.95	0.026	12	0.73	37.431	45	01.1	32.21	45	01.1	F2	CZ	4252	P -45 1253
99		8.4T	8 38.848	-0.0020	09	-40 17 5.99	-0.001	07	0.40	38.737	14	06.1	5.94	12	02.2	A3	6C	9502	C -40 2967
00	9.9E	10.2H	8 39.414	-0.0001	12	-49 7 32.56	0.003	12	0.69	39.418	45	06.1	32.70	45	06.1	A0	CZ	4254	P -49 1152

218500 -40° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.6E	8.6H	7 8 49.522	-0.0012	12	-47 18 45.34	0.010	12	0.66	49.582	31	00.4	45.82	28	00.4	F5	CZ	4258	P -47 1135
2	9.7E	9.4H	8 53.584	-0.0008	12	-42 42 0.01	0.008	12	0.66	53.623	28	99.4	0.41	26	99.4	A0	CZ	4253	P -42 1250
3	8.4E	8.9H	8 55.512	-0.0013	12	-44 28 38.86	0.041	12	0.74	55.576	45	00.2	40.89	45	00.2	B9	CZ	4257	P -44 1315
4	8.8E	9.0H	8 59.225	-0.0013	12	-45 36 3.86	0.043	12	0.73	59.289	45	01.1	5.94	45	01.1	F0	CZ	4259	P -45 1257
5		7.4T	9 1.737	-0.0002	12	-41 10 52.32	0.005	12	0.66	1.748	18	98.5	52.58	17	96.6	A2	GC	9510	C -41 2865
6	9.0E	8.4H	9 7.930	-0.0067	12	-48 23 27.10	0.093	12	0.65	8.251	31	02.1	31.54	28	02.1	F8	CZ	4262	P -48 1068
7	7.9E	7.8H	9 9.169	-0.0020	12	-45 29 51.03	0.043	12	0.73	9.266	45	01.1	53.13	45	01.1	A2	CZ	4261	P -45 1258
8	9.3E	9.1H	9 9.611	-0.0010	12	-48 6 12.18	0.029	12	0.71	9.657	45	03.6	13.51	45	03.6	F5	CZ	4264	P -47 1138
9	9.7E	9.0Z	9 12.350	-0.0021	12	-49 15 52.15	-0.001	12	0.69	12.442	45	06.1	52.11	45	06.1		CZ	4266	P -48 1157
10	9.6E	10.0H	9 17.751	-0.0006	12	-44 21 58.85	0.028	12	0.74	17.780	45	00.2	0.23	45	00.2	A0	CZ	4263	P -44 1322
11	9.3E	8.5H	9 20.524	-0.0007	12	-44 36 12.85	0.008	12	0.74	20.557	45	00.2	13.24	45	00.2	K0	CZ	4265	P -44 1323
12	9.6E	9.1H	9 26.801	-0.0003	12	-43 23 49.94	-0.007	12	0.67	26.817	28	98.7	49.58	26	98.7	A2	CZ	4267	P -43 1258
13	8.3E	8.1H	9 28.809	-0.0031	12	-48 51 3.13	0.202	12	0.65	26.958	31	02.1	12.80	28	02.1	K2	CZ	4269	P -48 1070
14		8.1T	9 28.853	-0.0023	08	-48 51 3.13	0.206	05	0.31	26.944	14	10.5	12.82	12	02.9	K2	GC	9523	C*-48 2765
15	9.1E	9.6H	9 41.617	-0.0003	12	-45 47 38.68	0.019	12	0.66	41.632	31	00.1	39.61	28	00.1	A0	CZ	4272	P -45 1284
16	9.0E	9.1H	9 51.428	0.0002	12	-47 56 56.30	0.015	12	0.73	51.418	45	01.6	57.01	45	01.6	A0	CZ	4274	P -47 1147
17	8.7E	8.8H	9 51.871	-0.0016	12	-44 16 58.41	0.028	12	0.67	51.950	31	99.5	59.81	28	99.5	F0	CZ	4273	P -44 1328
18	9.7E	9.6Z	9 55.745	-0.0009	12	-49 2 34.32	0.012	12	0.71	53.786	45	03.6	34.87	45	03.6		CZ	4275	P -48 1074
19		7.5T	10 12.235	-0.0004	26	-49 21 4.27	0.790	22	1.12	12.254	21	04.4	40.84	19	03.7	G5	GC	9547	C -49 2876
20	9.5E	9.2H	10 13.607	-0.0015	12	-46 36 45.40	-0.004	12	0.71	13.676	45	03.7	43.20	45	03.7	F5	CZ	4276	P -46 1275
21	10.2E	9.9Z	10 20.157	-0.0018	12	-49 14 58.31	0.014	12	0.69	20.235	45	06.1	58.92	45	06.1		CZ	4281	P -49 1164
22	9.8E	9.8H	10 27.883	0.0004	12	-43 49 22.43	0.009	12	0.75	27.861	45	99.7	22.87	45	99.7	A0	CZ	4279	P -43 1284
23	10.6E	9.6Z	10 28.713	-0.0018	12	-41 44 45.93	0.008	12	0.65	28.802	28	00.5	46.31	26	00.5		CZ	4277	P -41 1298
24	8.6E	8.5H	10 36.249	-0.0014	12	-44 44 53.16	0.023	12	0.67	36.319	31	99.5	54.32	28	99.5	A2	CZ	4283	P -44 1331
25		5.4T	10 36.356	-0.0022	05	-40 24 47.92	-0.017	04	0.23	36.453	09	06.4	47.11	09	03.0	A2	GC	9554	C*-40 2987
26	9.9E	10.2H	10 36.823	-0.0007	12	-43 55 28.91	0.008	12	0.75	36.856	45	99.7	29.30	45	99.7	F2	CZ	4282	P -43 1285
27	9.8E	9.8H	10 43.026	-0.0013	12	-47 19 6.28	0.020	12	0.67	43.088	36	02.8	7.20	36	02.8	A2	CZ	4287	P -47 1157
28	9.8E	9.2Z	10 44.117	-0.0027	12	-47 39 47.92	0.024	12	0.64	44.246	28	01.6	49.06	26	01.6		CZ	4288	P -47 1160
29	10.1E	9.0H	10 50.892	0.0002	12	-42 2 5.38	0.012	12	0.65	50.883	28	00.6	5.96	26	00.6	G5	CZ	4285	P -41 1301
30	8.6E	8.4H	10 55.415	0.0011	12	-40 15 34.77	0.006	12	0.82	55.364	63	02.9	35.06	57	02.9	F0	CZ	4286	P -40 1375
31	8.3E	8.0H	10 56.029	-0.0013	12	-49 6 0.66	-0.006	12	0.69	56.085	45	06.1	0.40	45	06.1	F2	CZ	4293	P -48 1079
32	10.1E	9.4Z	10 58.544	-0.0031	12	-47 34 3.76	-0.005	12	0.67	58.689	36	02.8	3.51	36	02.8		CZ	4292	P -47 1164
33	10.3E	10.0H	10 58.627	-0.0023	12	-42 46 57.47	0.009	12	0.66	58.742	28	99.4	57.92	26	99.4	F5	CZ	4289	P -42 1259
34		8.4T	11 3.476	0.0007	16	-43 47 54.24	-0.024	17	0.78	3.441	19	03.8	53.16	19	04.2	F0	GC	9567	C -43 3023
35	8.8E	7.8H	11 5.335	-0.0025	12	-49 14 29.35	0.023	12	0.69	5.444	45	06.1	30.36	45	06.1	K2	CZ	4296	P -49 1168
36	8.4E	7.8H	11 7.547	-0.0006	12	-49 44 22.58	-0.000	12	0.63	7.577	31	03.8	22.57	28	03.8	K0	CZ	4299	P -49 1169
37		4.5H	11 8.037	-0.0136	03	-46 40 29.97	0.100	03	0.11	8.523	06	14.4	33.54	06	14.2	F0	FK4	275	C -46 2977
38	9.3E	9.8H	11 8.819	-0.0024	12	-48 4 3.34	0.008	12	0.67	8.931	36	02.8	3.70	36	02.8	A0	CZ	4297	P -47 1167
39	8.3E	8.0H	11 17.182	-0.0004	12	-40 18 19.67	0.028	12	0.66	17.203	28	99.7	21.08	26	99.7	K0	CZ	4294	P -40 1377
40	9.2E	8.2H	11 19.348	-0.0020	12	-44 57 3.26	0.038	12	0.69	19.445	36	00.8	5.13	36	00.8	K5	CZ	4300	P -44 1340
41		7.3T	11 20.206	-0.0017	12	-43 47 55.65	0.012	12	0.65	20.294	15	99.8	56.32	17	96.5	A0	GC	9576	C -43 3028
42	9.3E	8.9H	11 23.684	-0.0003	12	-43 34 21.12	0.002	12	0.66	23.900	28	99.2	21.23	26	99.2	K0	CZ	4301	P -43 1279
43	9.7E	10.5H	11 28.145	-0.0007	12	-42 55 27.47	0.002	12	0.66	28.181	28	99.6	27.57	26	99.6	B8	CZ	4302	P -42 1262
44	8.8E	9.8H	11 36.265	-0.0003	12	-43 50 43.99	-0.015	12	0.70	36.281	36	99.8	43.22	36	99.8	A2	CZ	4304	P -43 1282
45	8.9E	8.6H	11 42.389	-0.0021	12	-48 41 59.04	0.016	12	0.65	42.489	31	02.1	59.80	28	02.1	A0	CZ	4309	P -48 1086
46		5.0T	11 43.549	-0.0024	05	-45 5 42.29	-0.100	04	0.23	43.652	10	07.6	37.59	09	02.8	A0P	GC	9591	C*-44 3223
47	9.1E	10.1H	11 47.535	-0.0009	12	-41 58 48.32	0.004	12	0.64	47.579	28	01.2	48.49	26	01.2	B9	CZ	4305	P -41 1304
48	9.8E	10.6H	11 50.706	-0.0029	12	-40 23 16.97	0.013	12	0.64	50.848	28	01.0	17.62	26	01.0	B9	CZ	4306	P -40 1381
49		3.1I	12 0.687	0.0098	07	-44 33 26.39	0.330	05	0.31	0.269	14	07.6	42.60	14	00.8	M5E	GC	9604V	C*-44 3227
50	9.4E	10.2H	12 5.349	-0.0031	12	-49 55 29.55	0.015	12	0.69	5.487	45	06.1	30.20	45	06.1	A2	CZ	4315	P -49 1173
51	10.4E	9.8Z	7 12 8.502	-0.0017	12	-47 8 9.51	0.013	12	0.64	8.584	28	01.6	10.13	26	01.6		CZ	4314	P -47 1181
52	9.9E	9.0H	12 14.107	-0.0033	12	-41 35 44.45	0.028	12	0.65	14.271	28	00.5	45.82	26	00.5	F5	CZ	4311	P -41 1311
53	8.9E	9.0H	12 16.617	-0.0018	12	-46 30 32.94	0.015	12	0.71	16.699	45	03.6	33.61	45	03.6	A0	CZ	4316	P -46 1297
54		8.0T	12 20.269	-0.0009	13	-40 6 22.51	0.042	10	0.63	20.314	22	01.2	24.76	19	96.3	K0	GC	9610	C -39 3176
55	9.7E	10.2H	12 20.973	-0.0016	12	-46 29 45.25	0.017	12	0.71	21.048	45	03.6	46.02	45	03.6	A	CZ	4317	P -46 1299
56	9.3E	7.5H	12 33.664	-0.0017	12	-49 50 55.53	0.012	12	0.69	33.741	45	06.1	56.05	45	06.1	K5	CZ	4320	P -49 1175
57		7.5T	12 36.958	0.0061	11	-48 12 48.62	-0.054	12	0.65	35.642	21	98.0	45.70	19	95.7	F0	GC	9617	C -48 2803
58	9.5E	10.2H	12 37.210	-0.0008	12	-49 55 38.68	0.012	12	0.69	37.247	45	06.1	49.20	45	06.1	A0	CZ	4326	P -49 1176
59	9.3E	9.8H	12 40.498	-0.0017	12	-48 1 12.04	0.017	12	0.66	40.581	31	00.4	12.86	28	00.4	A0	CZ	4322	P -47 1193
60		7.2T	12 42.918	-0.0021	12	-46 14 17.35	0.026	12	0.66	43.024	18	98.8	18.76	18	96.6	K0	GC	9621	C -46 2992
61	9.5E	9.5Z	12 49.177	-0.0028	12	-44 34 33.15	0.006	12	0.73	49.312	45	01.2	33.43	45	01.2	A5	CZ	4324D	P*-44 1360
62	11.5E	9.0Z	12 50.668	-0.0004	12	-44 34 29.12	0.021	12	0.73	50.686	45	01.2	30.12	45	01.2	A5	CZ	4325	P -44 1360
63	8.6E	8.2H	12 56.070	-0.0020	12	-47 1 19.83	0.030	12	0.71	56.164	45	03.6	21.20	45	03.6	A0	CZ	4329	P -46 1307
64	7.7E	8.4H	12 57.993	-0.0012	12	-42 7 33.90	0.002	12	0.66	58.052	28	99.5	33.99	26	99.5	B5	CZ	4327	P -41 1315
65	8.6E	8.5H	13 10.853	-0.0027	12	-47 2 48.96	0.030	12	0.71	10.979	45	03.6	50.33	45	03.6	G5	CZ	4333	P -46 1310
66		7.4T	13 12.353	-0.0002	12	-41 4 48.46	0.029	11	0.62	12.364	15	98.6	49.99	15	97.0	B8	GC	9634	C -40 3020
67		4.9T	13 15.373	-0.0002	07	-48 11 0.67	0.004	07	0.32	15.382	12	08.6	0.85	12	07.3	B8	GC	9635	C -48 2807
68		6.1T	13 19.182	0.0001	10	-41 20 15.91	0.021	08	0.54	19.178	19	96.5	17.12	19	91.9	B8	GC	9636	C -41 2906
69	8.6E	9.1H	13 19.215	0.0006	12	-43 38 10.00	0.031	12	0.74	19.183	45	00.2	11.54	45	00.2	A0	CZ	4334	P -43 1307
70		5.8T	13 19.749	-0.0024	08	-46 45 40.79	-0.009	05	0.30	19.838	14	11.9	40.39	14	04.4	A0P	GC	9637	C -46 3000
71	9.8E	9.7H	13 44.111	-0.0026	12	-41 30 31.92	-0.023	12	0.72	44.235	45	02.5	30.84	45	02.5	F8	CZ	4338	P -41 1320
72		7.0T	13 47.364	-0.0010	13	-41 59 57.63	-0.019	12	0.68	47.414	22	00.2	56.63	19	96.3	A0	GC	9651	C -41 2915
73	9.7E	9.4Z	13 48.461	-0.0023	12	-47 43 44.63	0.015	12	0.73	48.572	45	01.6	45.33	45	01.6		CZ	4341	P -47 1209
74	9.3E	9.0H	13 51.073	-0.0012	12	-49 36 33.25	0.022	12	0.64	51.132	31	02.1	34.30	28	02.1	F0	CZ	4344	P -49 1180
75		7.3T	14 1.190	-0.0028	13	-42 3 54.56	-0.017	11	0.67	1.330	22	00.2	53.66	19	95.5	K0	GC	9660	C -41 2919
76		7.5T	14 6.787	-0.0153	13	-48 8 34.43	0.168	12	0.69	7.556	22	99.8	43.26	21	97.5	G0	GC	9662	C -48 2814
77	9.6E	9.1H	14 13.938	-0.0041	12	-43 4 44.61	0.039	12	0.66	14.145	28	99.6	46.58	26	99.6	F5	CZ	4345	P -42 1293
78		7.6T	14 18.473	-0.0022	13	-42 3 2.10	0.016	12	0.67	18.580	22	01.5	2.96	21	97.3	B8	GC	9672	C -41 2923
79	9.7E	8.7H	14 18.759	-0.0234	12	-40 56 35.71	0.226	12	0.82	19.861	63	02.9	46.36	57	02.9	G0	CZ	4346	P -40 1403
80	9.4E	9.8H	14 25.547	-0.0018	12	-46 30 28.89	0.023	12	0.71	25.630	45	03.6	29.94	45	03.6	F0	CZ	4351	P -46 1322
81	7.8E	8.0H	14 32.060	-0.0011	12	-45 48 20.93	0.031	12	0.66	32.116	31	00.8	22.45	28	00.8	A5	CZ	4353	P -45 1323
82	9.6E	9.0H	14 34.150	-0.0010	12	-42 15 28.47	-0.004	12	0.66	34.201	28	99.6	28.25	26	99.6	K0	CZ	4349	P -42 1296
83	9.7E	9.8H	14 34.226	-0.0031	12	-49 56 1.46	0.068	12	0.71	34.372	45	03.6	4.61	45	03.6	F5	CZ	4358	P -49 1182
84	9.3E	9.8H	14 35.076	-0.0050	12	-46 46 37.49	0.023	12	0.71	35.307	45	03.6	38.54	45	03.6	F0	CZ	4355	P -46 1327
85	8.7E	9.1H	14 36.115	-0.0021	12	-46 31 7.77	0.024	12	0.71	36.112	45	03.6	8.86	45	03.6	A3	CZ	4356	P -46 1326
86	8.9E	8.6H	14 37.231	-0.0029	12	-40 50 27.24	0.013	12	0.82	37.368	63	02.9	27.86	57	02.9	F5	CZ	4350	P -40 1406
87	9.9E	9.9H	14 40.024	-0.0003	12	-41 43 39.17	-0.003	12	0.72	40.039	45	02.5	39.01	45	02.5	F5	CZ	4352	P -41 1334
88	9.6E	9.8H	14 45.706	-0.0012	12	-49 47 54.70	0.015	12	0.71	45.763	45	03.6	55.38	45	03.6	A0	CZ	4362	P -49 1183
89		5.5T	14 48.902	0.0002	08	-46 41 5.25	0.035	06	0.31	48.892	14	11.8	6.87	14	04.1	K5	GC	9686	C -46 3023
90	9.3E	9.0H	14 53.611	-0.0022	12	-45 5 20.53	0.064	12	0.72	53.714	45	02.1	23.58	45	02.1	F0	CZ	4361	P -44 1390
91	9.5E	8.5Z	14 54.652	-0.0077	12	-48 12 12.38	0.039	12	0.73	55.027	45	01.1	14.27	45	01.1		CZ	4364	P -48 1105
92	9.3E	8.5Z	14 56.311	-0.0012	12	-46 42 8.99	0.050	12	0.71	56.366	45	03.6	11.29	45	03.6		CZ	4363	P -46 1336
93		8.7T	14 58.431	-0.0013	18	-42 4 17.49	-0.023	13	0.78	58.490	24	04.9	16.37	22	00.4	K0	GC	9692	C -41 2932
94	8.7E	8.6H	15 0.296	-0.0007	12	-48 14 18.19	0.028	12	0.73	0.330	45	01.1	19.54	45	01.1	F2	CZ	4367	P -48 1106
95		7.5T	15 1.226	-0.0030	13	-49 57 29.27	0.017	11	0.64	1.371	17	00.9	30.14	18	97.3	A0	GC	9695	C*-49 2725
96	10.0E	9.5Z	15 4.662	-0.0009	12	-45 0 36.64	0.012	12	0.66	4.707	31	00.1	37.24	28	00.1		CZ	4365	P -44 1395
97	10.2E	9.6H	15 7.297	-0.0040	12	-46 8 50.92	0.028	12	0.71	7.483	45	03.6	52.20	45	03.6	A0	CZ	4368D	P -46 1340
98	8.4E	8.8H	15 8.188	0.0001	12	-46 8 50.87	0.030	12	0.71	8.184	45	03.6	52.25	45	03.6	A0	CZ	4369D	P -46 1340
99	8.4E	8.4H	15 8.858	-0.0020	12	-46 25 19.77	0.023	12	0.71	8.952	45	03.6	20.82	45	03.6	G5	CZ	4370	P -46 1342
00	8.5E	9.1H	15 13.586	-0.0016	12	-46 15 51.61	0.026	12	0.65	13.664	31	01.8	52.84	28	01.8	F0	CZ	4372	P -46 1346

218600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 7H DM NUMBER
1	8.7E	9.6H	7 15 31.680	-0.0006	12	-43 23 29.91	0.003	12	0.66	31.690	28	99.1	29.06	28	99.1	A0	CZ	4374	P -43 1327
2	10.3E	10.0H	15 32.292	-0.0007	12	-44 8 16.88	0.022	12	0.66	32.295	31	00.2	17.97	28	00.2	F5	CZ	4377	P -44 1300
3	8.4E	8.3H	15 33.346	-0.0001	12	-41 18 2.56	0.010	12	0.65	33.352	28	00.6	3.06	28	00.6	B8	CZ	4373	P -41 1344
4	8.9E	7.9H	15 36.085	-0.0080	12	-40 34 1.76	-0.131	12	0.82	37.991	63	02.9	7.84	57	02.9	G0	CZ	4375	P -40 1409
5	10.8E	9.8Z	15 40.709	-0.0011	12	-48 47 45.42	0.034	12	0.64	40.762	28	01.1	47.08	28	01.1		CZ	4380	P -48 1108
6	8.8E	8.4H	15 42.883	-0.0007	12	-46 36 14.72	0.019	12	0.67	42.915	36	03.2	15.60	36	03.2	K0	CZ	4378	P -46 1352
7	8.4E	9.2H	15 51.619	-0.0011	12	-48 12 0.45	0.028	12	0.67	51.671	36	03.2	7.66	36	03.2	A5	CZ	4384	P -48 1105
8	8.8E	8.7H	15 52.708	0.0008	12	-44 2 1.15	0.034	12	0.78	52.671	45	02.5	2.73	45	02.5	G5	CZ	4379	P -43 1347
9	8.6E	9.4H	15 52.930	0.0005	12	-43 30 7.14	0.015	12	0.74	52.925	45	00.2	7.08	45	00.2	B8	CZ	4386	P -43 1334
10	9.0E	9.2H	15 54.841	-0.0011	12	-40 9 43.56	0.005	12	0.66	54.887	28	99.6	43.82	28	99.6	G5	CZ	4382	P -40 1412
11		6.8T	16 3.458	-0.0008	11	-46 53 44.79	0.580	08	0.54	3.529	18	97.2	19.57	17	91.1	K0	GC	9723	C -46 3046
12	9.4E	9.5Z	16 8.016	-0.0009	12	-45 38 6.68	0.031	12	0.68	8.059	36	02.1	8.15	36	02.1		CZ	4388	P -45 1341
13	9.4E	9.8H	16 15.350	-0.0012	12	-43 54 37.92	-0.022	12	0.68	15.407	36	00.8	36.83	36	00.8	G0	CZ	4389	P -43 1336
14	9.5E	9.5Z	16 19.803	-0.0008	12	-45 39 56.01	0.016	12	0.68	19.848	36	02.1	56.76	36	02.1		CZ	4390	P -45 1343
15	9.7E	9.0Z	16 20.060	-0.0008	12	-47 22 49.96	0.008	12	0.64	20.100	28	01.1	50.34	28	01.1		CZ	4393	P -47 1241
16	9.0E	10.2H	16 23.511	-0.0049	12	-45 33 17.76	0.081	12	0.64	23.749	28	01.1	20.72	28	01.1	F5	CZ	4391	P -45 1345
17	9.0E	9.1H	16 23.628	0.0003	12	-45 42 21.01	0.011	12	0.68	23.613	36	02.1	21.52	36	02.1	F0	CZ	4392	P -45 1346
18		6.0T	16 31.277	-0.0020	11	-43 53 39.99	0.000	07	0.54	31.383	21	98.1	40.02	18	87.9	B9	CZ	9732	C -43 3083
19	9.7E	9.6Z	16 41.261	-0.0005	12	-46 10 29.01	0.025	12	0.67	41.275	36	03.2	30.17	36	03.2		CZ	4397	P -46 1309
20	9.1E	9.0H	16 50.080	-0.0017	12	-43 36 36.53	0.032	12	0.69	50.102	36	00.8	38.09	36	00.8	A3	CZ	4399	P -43 1346
21	9.3E	8.9H	16 50.087	0.0006	12	-48 58 31.77	0.027	12	0.68	50.068	36	01.7	53.07	36	01.7	K5	CZ	4402	P -48 1121
22	9.3E	9.3H	16 51.084	0.0004	12	-40 6 25.80	-0.012	12	0.82	51.076	63	02.9	25.28	57	02.9	A0	CZ	4395	P -39 1352
23		8.0T	16 51.380	-0.0008	18	-41 51 57.06	-0.001	14	0.83	51.399	19	01.6	57.03	18	99.1	K0	GC	9745	C -41 2961
24	9.7E	9.4Z	16 51.853	-0.0014	12	-48 30 12.14	0.006	12	0.68	52.019	36	01.7	12.45	36	01.7		CZ	4403	P -48 1120
25	9.5E	9.6H	16 56.673	0.0005	12	-42 22 16.16	0.005	12	0.65	56.649	28	00.0	18.42	24	00.0	G5	CZ	4400	P -42 1319
26	9.3E	9.0H	16 59.280	0.0010	12	-43 49 54.81	0.017	12	0.69	59.229	36	00.8	55.64	36	00.8	F5	CZ	4401	P -43 1349
27	8.8E	8.0H	17 0.975	0.0005	12	-46 43 41.58	0.093	12	0.67	0.858	36	03.2	45.93	36	03.2	G5	CZ	4407	P -46 1373
28		9.5T	17 11.284	-0.0109	22	-41 23 19.12	0.018	20	1.01	11.795	19	03.2	19.97	19	02.5	F8	GC	9756	C -41 2967
29	9.0E	7.8H	17 13.083	-0.0022	12	-42 21 5.22	-0.084	12	0.74	13.172	45	00.6	4.02	45	00.6	K0	CZ	4405	P -42 1323
30	8.8E	8.6H	17 24.354	-0.0014	12	-46 25 13.32	0.012	12	0.71	24.419	45	03.6	13.85	45	03.6	K0	CZ	4409	P -46 1375
31		7.1T	17 27.216	-0.0225	11	-45 12 19.52	0.119	08	0.58	28.368	22	98.4	26.58	19	90.9	F5	GC	9763	C -45 3088
32	9.3E	10.0H	17 27.562	-0.0013	12	-45 57 44.74	0.027	12	0.66	27.626	31	00.8	46.06	28	00.8	A5	CZ	4411	P -45 1386
33	9.1E	9.2H	17 32.448	0.0016	12	-49 2 15.86	-0.006	12	0.71	32.348	45	03.6	15.58	45	03.6	F5	CZ	4414	P -48 1126
34	9.7E	9.4Z	17 35.282	0.0034	12	-46 57 45.06	0.056	12	0.71	35.104	45	03.6	47.65	45	03.6		CZ	4413	P -46 1379
35	9.1	8.3H	17 36.239	-0.0004	10	-40 0 52.67	0.034	10	0.23	36.245	15	36.2	53.14	21	36.2	G0	CB	2972	C -39 3258
36	9.8E	10.1H	17 44.968	-0.0006	12	-41 41 0.48	0.002	12	0.73	44.998	45	02.0	0.56	45	02.0	A0	CZ	4412	P -41 1381
37		6.9T	17 50.734	0.0013	12	-46 8 29.00	-0.032	10	0.62	50.666	18	99.1	27.23	19	94.0	K0	GC	9773	C -46 3065
38	9.8E	9.4H	17 55.760	0.0001	12	-42 57 7.93	0.018	12	0.66	55.754	28	99.2	8.85	28	99.2	K0	CZ	4415	P -42 1328
39		7.4T	17 57.380	-0.0087	15	-49 53 9.11	0.126	10	0.67	57.801	19	01.4	15.85	18	96.7	K0	GC	9777	C -49 2757
40		8.1T	18 0.888	-0.0011	09	-47 7 39.12	0.004	06	0.37	0.933	15	07.8	39.33	14	01.7	A3	GC	9778	C -46 3087
41	8.8E	8.3H	18 10.521	-0.0007	12	-41 30 18.11	0.004	12	0.73	10.555	45	02.0	18.30	45	02.0	A0	CZ	4417	P -41 1364
42	9.3E	8.9H	18 12.558	0.0001	12	-43 43 59.21	0.006	12	0.73	12.551	45	01.1	0.47	45	01.1	K0	CZ	4421	P -43 1359
43	9.4E	9.4H	18 16.827	0.0009	12	-44 9 27.90	0.011	12	0.73	16.582	45	02.1	28.41	45	02.1	A0	CZ	4423	P -44 1447
44	9.9E	9.9H	18 19.282	-0.0004	12	-40 24 3.82	-0.004	12	0.82	19.301	63	02.9	3.64	57	02.9	B9	CZ	4422	P -40 1431
45	9.3E	9.4H	18 22.199	-0.0014	12	-45 32 46.85	0.026	12	0.72	22.264	45	02.1	48.07	45	02.1	A5	CZ	4425	P -45 1378
46	9.7E	9.6H	18 23.429	-0.0008	12	-45 15 28.92	0.012	12	0.72	23.513	45	02.1	27.47	45	02.1	K0	CZ	4426	P -45 1379
47	9.7E	9.8H	18 29.086	-0.0002	12	-44 19 24.84	0.013	12	0.73	29.074	45	02.1	25.45	45	02.1	A0	CZ	4427	P -44 1449
48	9.8E	9.8H	18 29.539	-0.0079	12	-49 5 36.66	0.101	12	0.71	29.905	45	03.6	41.34	45	03.6	G0	CZ	4429	P -48 1132
49	7.8E	8.3H	18 36.818	-0.0010	12	-43 23 48.71	0.020	12	0.73	36.869	45	01.1	49.70	45	01.1	A0	CZ	4428	P -43 1364
50	9.0E	10.0H	18 46.086	-0.0014	12	-43 59 19.30	0.020	12	0.66	46.155	28	99.5	20.30	26	99.5	F0	CZ	4430	P -43 1368
51	9.4E	9.1H	7 18 55.469	-0.0003	12	-44 30 7.59	0.002	12	0.66	55.482	31	00.7	7.67	28	00.7	B9	CZ	4431	P -44 1460
52	9.7E	9.6H	18 56.532	-0.0017	12	-47 19 41.86	0.016	12	0.70	56.611	45	04.1	42.57	45	04.1	A0	CZ	4432	P -47 1271
53	9.4E	9.4H	19 2.680	-0.0015	12	-49 18 26.96	-0.003	12	0.64	2.751	31	02.1	26.82	28	02.1	A5	CZ	4434	P -49 1200
54	9.3E	8.8H	19 3.363	-0.0002	12	-45 7 43.69	-0.017	12	0.72	3.370	45	02.1	42.86	45	02.1	K0	CZ	4433	P -44 1462
55	9.9E	10.0H	19 6.154	-0.0011	12	-48 51 40.88	0.026	12	0.65	6.206	31	02.1	42.12	28	02.1	B9	CZ	4436	P -48 1134
56	9.6E	9.0Z	19 13.774	-0.0007	12	-45 22 58.22	0.004	12	0.72	13.805	45	02.1	58.40	45	02.1		CZ	4435	P -45 1392
57	9.6E	9.0H	19 19.071	-0.0023	12	-43 43 48.78	0.018	12	0.73	19.182	45	01.1	49.64	45	01.1	+++	CZ	4436D	P+-43 1376
58	9.4E	9.4H	19 19.768	-0.0043	12	-49 42 59.71	0.055	12	0.66	19.989	36	03.8	+ 2.24	36	03.8	F5	CZ	4441	P -49 1204
59	8.8E	8.8H	19 21.244	-0.0008	12	-42 42 54.35	0.007	12	0.66	21.288	28	99.4	54.70	26	99.4	A2	CZ	4437	P -42 1336
60	8.5E	8.5Z	19 21.492	-0.0024	12	-46 59 30.24	0.018	12	0.71	21.603	45	03.6	31.06	45	03.6		CZ	4440	P -46 1404
61	9.8E	7.8H	19 28.212	-0.0017	12	-41 6 7.92	0.003	12	0.65	28.296	28	00.3	8.08	26	00.3	K0	CZ	4439	P -40 1434
62		7.0T	19 28.822	-0.0028	12	-48 25 6.84	0.022	10	0.63	28.965	18	99.3	8.11	19	93.1	B9	GC	9820K	C+-48 2884
63	7.7E	7.3H	19 43.331	-0.0015	12	-41 53 41.66	0.003	12	0.65	43.404	28	00.1	41.81	26	00.1	A0	CZ	4442	P -41 1375
64	8.8E	8.8H	19 53.172	0.0019	12	-45 24 27.32	0.008	12	0.66	53.076	31	00.8	27.70	28	00.8	A0	CZ	4449	P -45 1396
65	9.8E	10.0H	19 56.242	-0.0011	12	-43 21 42.37	0.022	12	0.73	56.296	45	01.1	43.45	45	01.1	A2	CZ	4448	P -43 1362
66		7.1T	19 59.238	-0.0021	14	-48 25 52.48	0.021	11	0.67	59.362	18	01.0	53.65	19	94.9	A	GC	9834K	C -48 2890
67		8.3T	20 0.318	-0.0013	15	-48 26 13.42	0.031	12	0.89	0.258	18	02.7	15.01	22	99.2	A	GC	9835K	C -48 2891
68	9.7E	9.1H	20 7.889	-0.0050	12	-46 17 13.06	0.026	12	0.65	8.110	31	01.8	14.29	28	01.8	K0	CZ	4455	P -46 1408
69	10.0E	9.5Z	20 12.682	-0.0001	12	-42 43 32.08	-0.007	12	0.66	12.696	28	99.2	31.73	26	99.2		CZ	4453	P -42 1344
70	8.6E	7.6H	20 14.998	-0.0021	12	-49 18 35.51	0.058	12	0.70	15.094	45	04.1	36.17	45	04.1	K0	CZ	4457	P -49 1207
71	9.8E	9.4H	20 22.238	-0.0009	12	-48 39 4.42	0.030	12	0.71	22.279	45	03.6	5.80	45	03.6	F0	CZ	4458	P -48 1145
72	9.4E	9.5H	20 24.087	-0.0009	12	-48 13 57.17	0.007	12	0.64	24.073	31	02.1	57.49	28	02.1	B5	CZ	4459	P -48 1146
73	9.4E	9.0H	20 35.369	-0.0031	12	-45 47 47.59	-0.015	12	0.66	35.352	31	00.8	46.84	28	00.8	K0	CZ	4461	P -45 1414
74	9.4E	8.8H	20 36.138	-0.0001	12	-46 56 0.37	-0.004	12	0.63	36.145	28	02.6	0.17	26	02.6	G5	CZ	4462	P -46 1416
75	9.3E	9.0H	20 37.548	-0.0011	12	-43 37 55.16	0.045	12	0.66	37.601	28	99.6	57.42	26	99.6	K0	CZ	4460	P -43 1397
76	8.6E	7.6H	20 39.118	-0.0010	12	-49 14 48.21	-0.005	12	0.70	39.163	45	04.1	47.98	45	04.1	F0	CZ	4467	P -49 1210
77	8.9E	8.9H	21 4.274	-0.0009	12	-44 49 31.02	-0.008	12	0.64	4.316	28	01.1	30.62	28	01.1	A2	CZ	4463	P -44 1493
78	7.8E	7.9H	21 6.710	-0.0010	12	-44 31 14.64	-0.012	12	0.68	6.757	36	02.1	14.06	36	02.1	B8	CZ	4464	P -44 1494
79	9.8E	9.6H	21 16.737	-0.0088	12	-40 37 32.11	0.036	12	0.65	16.857	28	00.0	33.92	26	00.0	F5	CZ	4465	P -40 1442
80	10.0E	9.2Z	21 17.376	-0.0002	12	-47 37 10.41	0.004	12	0.62	17.384	28	02.8	10.58	26	02.8		CZ	4475	P -47 1299
81	9.2E	9.2H	21 17.669	-0.0012	12	-40 49 37.89	0.023	12	0.82	17.725	63	02.9	38.79	57	02.9	F0	CZ	4466	P -40 1443
82	10.2E	10.2H	21 19.671	-0.0002	12	-42 44 6.71	0.004	12	0.65	19.680	28	99.5	6.91	24	99.5	K0	CZ	4470	P -42 1350
83	9.4E	9.0Z	21 24.075	-0.0083	12	-48 28 58.70	0.042	12	0.71	24.367	45	03.6	+ 0.63	45	03.6		CZ	4476	P -48 1148
84	9.4E	10.0H	21 24.819	-0.0018	12	-42 57 41.09	0.018	12	0.69	24.908	36	00.4	41.98	36	00.4	A0	CZ	4471	P -42 1351
85	9.8E	9.6Z	21 41.986	-0.0019	12	-48 56 15.64	0.001	12	0.71	42.053	45	03.6	15.69	45	03.6		CZ	4479	P -48 1150
86	9.4E	8.8H	21 49.850	-0.0019	12	-48 55 2.77	0.068	12	0.71	49.937	45	03.6	5.92	45	03.6	K0	CZ	4480	P -48 1152
87	9.7E	10.0H	21 54.455	-0.0004	12	-41 48 50.49	0.008	12	0.69	54.475	36	01.1	50.87	36	01.1	A0	CZ	4477	P -41 1391
88	9.3E	8.3H	21 57.275	-0.0002	12	-41 35 19.30	-0.009	12	0.66	57.286	28	99.1	18.85	26	99.1	K0	CZ	4478	P -41 1392
89	8.8E	8.8H	21 58.219	-0.0027	12	-48 6 2.96	-0.011	12	0.82	58.345	63	03.0	2.42	57	03.0	B9	CZ	4482	P -47 1310
90	9.8E	8.7Z	22 2.632	-0.0021	12	-48 10 33.30	0.016	12	0.71	2.729	45	03.6	34.02	45	03.6		CZ	4483	P -48 1154
91	8.8E	7.6H	22 5.830	-0.0019	12	-43 59 28.19	0.010	12	0.69	5.922	36	00.8	28.68	36	00.8	K2	CZ	4481	P -43 1425
92	9.3E	7.9H	22 6.143	0.0042	12	-47 51 22.18	-0.005	12	0.62	5.945	28	02.8	21.92	26	02.8	G5	CZ	4484	P -47 1313
93	8.8E	9.1H	22 13.950	-0.0003	12	-48 27 29.22	0.013	12	0.65	13.964	31	02.1	29.82	28	02.1	F0	CZ	4488	P -48 1156
94	9.2E	9.2H	22 15.743	-0.0009	12	-44 21 53.44	0.003	12	0.66	15.786	31	00.8	53.58	28	00.8	B9	CZ	4486	P -44 1506
95	8.8E	8.9H	22 22.121	-0.0019	12	-40 59 44.73	0.025	12	0.65	22.218	63	99.2	46.01	57	99.2	F2	CZ	4485	P -40 1451
96	9.0E	9.1H	22 24.776	-0.0020	12	-48 20 24.13	0.003	12	0.71	24.868	45	03.6	24.25	45	03.6	A0	CZ	4492	P -48 1157
97	8.9E	9.2H	22 27.237	-0.0012	12	-40 21 59.70	0.018	12	0.85	27.298	63	99.2	+ 0.52	57	99.2	B9	CZ	4487	P -40 1452
98	9.0E	8.3H	22 29.705	-0.0021	12	-44 2 8.40	-0.007	12	0.73	28.808	45	01.1	8.04	45	01.1	K5	CZ	4491	P -43 1430
99	8.8E	8.6H	22 32.490	-0.0003	12	-40 46 9.75	-0.005	12	0.68	32.506	28	97.8	9.50	26	97.8	A3	CZ	4489	P -40 1454
00	9.3E	9.5H	22 33.078	-0.0007	12	-45 10 5.10	0.007	12	0.72	33.107	45	02.1	5.42	45	02.1	A0	CZ	4493	P -45 1445

218700 — EPOCH 1950 — ORIGINAL EPOCH — -40° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6E	8.9H	7 22 35.946	-0.0000	12	-46 29 39.66	0.018	12	0.65	35.947	31	01.8	40.51	28	01.8	F0	CZ	4494	P -46 1444
2	9.7E	9.0Z	22 38.482	-0.0015	12	-46 29 8.04	0.025	12	0.71	38.552	45	03.6	9.18	45	03.6		CZ	4495	P -46 1446
3	8.5E	8.0H	22 56.583	-0.0011	12	-43 21 54.50	0.026	12	0.73	56.637	45	01.1	55.77	45	01.1	G0	CZ	4496	P -43 1435
4	9.2E	9.3H	23 7.218	0.0002	12	-40 15 13.07	0.028	12	0.68	7.208	28	97.9	14.54	26	97.9	F5	CZ	4497	P -40 1461
5	9.0E	9.1H	23 17.264	-0.0004	12	-44 28 35.28	-0.004	12	0.73	17.282	45	02.1	35.08	45	02.1	B9	CZ	4499	P -44 1523
6	9.8E	9.3H	23 18.792	-0.0030	12	-45 3 26.49	-0.001	12	0.66	18.940	31	00.8	26.44	28	00.8	G5	CZ	4500	P -44 1525
7	9.3E	8.6H	23 19.225	-0.0009	12	-49 39 55.72	0.004	12	0.64	19.270	31	02.4	55.90	28	02.4	F0	CZ	4504	P -49 1226
8	9.7E	9.4H	23 21.628	-0.0019	12	-43 59 4.77	0.014	12	0.66	21.921	28	99.7	5.47	26	99.7	F0	CZ	4501	P -43 1443
9	9.2E	9.1H	23 24.732	-0.0010	12	-48 46 48.19	0.069	12	0.64	24.778	31	02.1	51.49	28	02.1	F8	CZ	4507	P -48 1163
10	9.5E	9.1H	23 25.337	-0.0002	12	-47 27 41.25	0.018	12	0.71	25.346	45	04.1	42.06	45	04.1	A0	CZ	4505	P -47 1321
11	7.6E	7.8H	23 29.731	0.0004	12	-43 17 11.92	-0.006	12	0.66	29.713	28	99.8	11.63	26	99.8	A0	CZ	45020	P*-43 1445
12		8.0T	23 30.588	-0.0011	20	-47 0 40.65	-0.012	15	0.86	30.636	24	04.3	40.06	21	99.8	K0	GC	9926	C -46 3144
13	7.6E	7.7H	23 39.456	0.0018	12	-41 3 29.55	0.063	12	0.85	39.363	63	99.2	32.77	57	99.2	F2	CZ	4506	P -40 1465
14	9.9E	9.0H	23 47.514	-0.0011	12	-43 1 42.58	-0.001	12	0.66	47.570	28	99.4	42.52	26	99.4	K0	CZ	4509	P -42 1375
15	9.3E	7.8H	23 51.404	-0.0006	12	-49 48 44.72	0.015	12	0.70	51.434	45	04.1	45.40	45	04.1	K0	CZ	4515	P -49 1228
16	9.8E	10.0H	23 51.646	-0.0011	12	-45 35 36.08	0.028	12	0.72	51.696	45	02.1	37.41	45	02.1	F8	CZ	4514	P -45 1460
17	8.0E	7.1H	24 21.740	0.0013	12	-42 0 29.36	0.072	12	0.67	21.674	28	98.9	33.02	26	98.9	K5	CZ	4516	P -41 1411
18	9.0E	9.1H	24 31.606	0.0004	12	-45 54 45.58	0.018	12	0.66	31.587	31	00.8	46.45	28	00.8	A0	CZ	4518	P -45 1469
19	8.4E	7.8H	24 41.515	-0.0002	12	-47 40 20.22	0.015	12	0.71	41.524	45	04.1	20.89	45	04.1	K0	CZ	4520	P -47 1341
20	8.6E	7.9H	24 41.759	-0.0021	12	-48 3 58.18	-0.011	12	0.71	41.855	45	04.1	57.65	45	04.1	K0	CZ	4521	P -48 1343
21	10.0E	9.5Z	24 45.055	-0.0014	12	-49 17 45.65	0.003	12	0.70	45.119	45	04.1	45.79	45	04.1		CZ	4523	P -49 1235
22	10.0E	10.2H	24 45.079	-0.0011	12	-49 38 25.60	0.014	12	0.70	45.132	45	04.1	26.23	45	04.1	A0	CZ	4524	P -49 1236
23	7.8E	8.3H	24 50.029	-0.0022	12	-41 54 11.16	0.016	12	0.74	50.137	45	00.1	11.95	45	00.1	B8	CZ	4519	P -41 1418
24	9.5E	9.0H	24 53.527	0.0022	12	-49 19 14.18	0.008	12	0.64	53.422	31	02.4	14.56	28	02.4	G0	CZ	4526	P -49 1238
25	10.1E	10.2H	24 57.236	-0.0017	12	-49 34 44.31	0.005	12	0.70	57.316	45	04.1	44.55	45	04.1	G5	CZ	4527	P -49 1240
26	9.5E	10.2H	24 59.944	-0.0020	12	-42 36 54.99	0.017	12	0.74	+ 0.042	45	00.6	55.83	45	00.6	A2	CZ	4522	P -42 1385
27	9.5E	8.4H	25 8.930	-0.0013	12	-42 8 54.36	-0.006	12	0.74	8.995	45	00.6	54.05	45	00.6	K2	CZ	4525	P -41 1421
28	9.6E	9.5Z	25 19.333	-0.0015	12	-48 41 13.74	0.005	12	0.71	19.402	45	03.6	13.97	45	03.6		CZ	4535	P -48 1174
29	7.8E	7.9H	25 20.871	-0.0006	12	-41 31 37.29	-0.002	12	0.74	20.899	45	00.1	37.21	45	00.1	B8	CZ	4529	P -41 1423
30	8.5E	8.3H	25 25.673	-0.0029	12	-45 36 42.76	0.034	12	0.66	25.815	31	00.8	44.41	28	00.8	F0	CZ	4533	P -45 1478
31	8.8E	8.2H	25 27.576	-0.0022	12	-43 4 51.07	0.019	12	0.66	27.687	28	99.2	52.04	26	99.2	K2	CZ	4532	P -42 1392
32	9.7E	10.9H	25 29.526	-0.0019	12	-44 4 32.56	-0.006	12	0.73	29.617	45	01.1	32.25	45	01.1	B9	CZ	4534	P -43 1477
33	7.7E	8.6H	25 29.604	-0.0012	12	-40 57 11.95	0.000	12	0.85	29.663	63	99.2	11.97	57	99.2	A0	CZ	4531	P -40 1481
34	9.3E	9.0H	25 42.069	-0.0012	12	-46 10 10.81	0.022	12	0.65	42.127	31	01.8	11.86	28	01.8	F2	CZ	4538	P -46 1486
35	8.3E	7.9H	25 55.152	-0.0018	12	-47 40 47.85	0.029	12	0.63	55.237	28	02.3	49.21	26	02.3	A5	CZ	4543	P -47 1357
36	8.8E	8.4H	25 58.081	-0.0011	12	-44 10 55.64	-0.007	12	0.73	58.132	45	02.1	55.29	45	02.1	A0	CZ	4540	P -44 1566
37	9.3E	8.4H	25 58.325	-0.0018	12	-44 42 47.11	0.005	12	0.65	58.414	28	00.1	47.35	26	00.1	K0	CZ	4541	P -44 1567
38	9.8E	9.6H	26 0.469	-0.0010	12	-49 35 34.26	0.008	12	0.66	0.520	31	00.5	34.65	28	00.5	A0	CZ	4546	P -49 1241
39	9.7E	10.1H	26 1.794	-0.0011	12	-42 3 7.40	-0.003	12	0.74	1.849	45	00.1	7.23	45	00.1	F0	CZ	4539	P -41 1431
40	8.3E	8.6H	26 8.073	0.0005	12	-46 59 34.44	0.012	12	0.67	8.049	36	03.2	34.98	36	03.2	B5	CZ	4547	P -46 1492
41	9.4E	8.6H	26 8.933	-0.0010	12	-40 24 59.05	0.005	12	0.85	8.985	63	99.2	59.32	57	99.2	A2	CZ	4542	P -40 1491
42	9.8E	9.0H	26 12.471	-0.0028	12	-44 1 25.13	0.035	12	0.70	12.609	36	00.1	26.87	36	00.1	K2	CZ	4545	P -43 1484
43		7.5T	26 16.458	-0.0004	18	-47 18 39.44	-0.003	14	0.82	16.479	19	02.4	39.31	18	99.2	B3	GC	9998	C -47 3072
44	8.7E	8.6H	26 18.597	-0.0015	12	-42 19 20.46	-0.001	12	0.65	18.673	26	99.8	20.39	24	99.8	A2	CZ	4548	P -42 1399
45	8.5E	7.9H	26 30.915	-0.0005	12	-41 24 42.06	-0.024	12	0.65	30.942	26	99.5	40.86	24	99.5	K0	CZ	4550	P -41 1435
46		7.5T	26 32.098	-0.0061	17	-47 0 17.38	0.057	14	0.80	32.395	19	01.7	20.33	18	98.6	K0	GC	10005	C -46 3179
47	9.5E	9.3H	26 33.142	0.0001	12	-45 15 10.73	0.011	12	0.64	33.135	28	01.2	11.25	26	01.2	A0	CZ	4552	P -45 1499
48	7.2E	7.8H	26 43.521	-0.0013	12	-43 51 33.31	-0.001	12	0.66	43.586	28	99.3	33.26	26	99.3	B9	CZ	4555	P -43 1489
49	9.0E	9.0H	26 53.385	0.0006	12	-49 25 0.20	-0.016	12	0.73	53.356	45	01.1	59.41	45	01.1	F0	CZ	4557	P -49 1246
50	7.9E	8.0H	26 55.719	-0.0015	12	-48 42 32.47	0.011	12	0.65	55.792	28	00.8	33.02	26	00.8	B8	CZ	4558	P -48 1184
51	9.1E	9.4H	7 27 7.974	-0.0027	12	-49 2 46.63	0.036	12	0.68	8.104	36	01.4	48.38	36	01.4	F5	CZ	4561	P -48 1186
52	9.0E	9.3H	27 14.685	-0.0010	12	-41 54 34.33	-0.005	12	0.66	14.736	28	99.1	34.06	26	99.1	A2	CZ	4559	P -41 1444
53	9.8E	9.1H	27 20.033	-0.0027	12	-43 3 32.41	-0.005	12	0.66	20.170	28	99.3	32.16	26	99.3	G5	CZ	4560	P -42 1408
54	8.6E	8.5H	27 25.722	-0.0019	12	-46 3 42.63	0.016	12	0.72	25.814	45	02.2	43.38	45	02.2	F2	CZ	4564	P -45 1516
55		3.3H	27 38.615	-0.0054	02	-43 11 57.44	0.186	02	0.09	38.810	05	13.8	+ 4.23	05	13.6	K5	F4	1194	C -43 3260
56	10.0E	9.5Z	27 39.390	-0.0014	12	-48 20 54.86	0.010	12	0.74	39.459	45	00.6	55.33	45	00.6		CZ	45670	P*-48 1188
57		9.4T	27 40.348	-0.0093	16	-43 11 50.78	0.191	15	0.76	40.774	24	04.1	59.76	24	02.9	G5	GC	10042K	C -43 3260
58	8.8E	8.4H	27 48.378	0.0004	12	-49 6 37.12	0.022	12	0.66	48.357	31	00.4	38.21	28	00.4	A2	CZ	4569	P -48 1189
59	9.6E	9.1H	27 54.878	-0.0028	12	-43 57 4.20	0.020	12	0.75	55.019	45	99.1	5.21	45	99.1	G5	CZ	4568	P -43 1503
60	9.7E	9.6Z	28 7.031	-0.0004	12	-46 25 2.58	0.009	12	0.71	7.050	45	03.7	2.98	45	03.7		CZ	4570	P -46 1516
61		7.9T	28 15.809	-0.0009	13	-44 48 23.92	0.004	12	0.67	15.857	19	99.3	24.11	18	96.6	B5	GC	10049	C -44 3467
62		7.4T	28 16.982	-0.0034	22	-46 35 2.84	0.008	17	0.96	17.140	21	04.1	3.25	19	01.1	A0	GC	10050	C -46 3196
63	9.6E	9.8H	28 27.352	-0.0000	12	-45 3 4.02	0.015	12	0.74	27.352	45	00.1	4.78	45	00.1	A0	CZ	4575	P -44 1603
64		6.6T	28 38.434	-0.0022	12	-40 52 58.67	-0.019	12	0.66	38.548	18	98.7	57.66	17	97.4	G5	GC	10064	C -40 3190
65	8.1E	8.6H	28 40.575	-0.0029	12	-42 13 41.05	0.015	12	0.66	40.723	28	99.2	41.80	26	99.2	A2	CZ	4577	P -42 1423
66	9.8E	9.5Z	28 41.363	-0.0006	12	-46 34 37.18	0.053	12	0.71	41.390	45	03.7	39.61	45	03.7		CZ	4581	P -46 1522
67	9.2E	9.8H	28 44.739	-0.0024	12	-43 53 49.02	0.019	12	0.75	44.859	45	99.1	49.97	45	99.1	F5	CZ	4579	P -43 1515
68	10.4E	10.0H	28 47.762	-0.0004	12	-49 58 22.68	0.011	12	0.66	47.784	31	00.5	23.21	28	00.5	K0	CZ	4585	P -49 1256
69	9.4E	9.4H	28 48.887	-0.0008	12	-48 29 51.66	0.010	12	0.66	48.927	31	00.1	52.14	28	00.1	A0	CZ	4584	P -48 1195
70	8.5E	8.4H	28 58.923	0.0011	12	-45 33 49.94	0.041	12	0.66	58.871	31	00.8	51.93	28	00.8	F2	CZ	4586	P -45 1531
71	9.4E	8.8H	28 59.807	-0.0007	12	-47 22 14.36	0.027	12	0.65	59.840	31	02.1	15.64	28	02.1	F8	CZ	4588	P -47 1383
72	8.5E	8.9H	29 15.486	-0.0013	12	-41 46 37.63	0.006	12	0.74	15.551	45	00.1	37.92	45	00.1	A3	CZ	4589	P -41 1472
73	9.3E	9.8H	29 15.753	-0.0012	12	-44 53 53.58	0.011	12	0.74	15.812	45	00.1	54.12	45	00.1	A0	CZ	4590	P -44 1625
74	9.3E	8.8H	29 26.276	-0.0013	12	-45 47 18.33	0.014	12	0.66	26.341	31	00.8	19.00	28	00.8	K0	CZ	4592	P -45 1541
75	9.1E	8.5H	29 36.790	-0.0023	12	-44 24 25.03	0.002	12	0.67	36.905	31	99.4	25.11	28	99.4	A5	CZ	4593	P -44 1631
76	8.5E	8.3H	29 44.421	-0.0007	12	-46 4 35.01	0.028	12	0.72	44.454	45	02.2	36.34	45	02.2	B9	CZ	4595	P -45 1546
77	8.6E	8.9H	29 51.701	0.0004	12	-42 54 56.21	-0.120	12	0.74	51.681	45	00.6	50.28	45	00.6	G0	CZ	4596	P -42 1439
78	9.5E	9.8H	29 59.092	-0.0030	12	-43 58 34.00	0.091	12	0.67	59.245	28	98.2	38.69	26	98.2	G0	CZ	4598	P -43 1536
79	11.6E	10.2Z	30 7.586	-0.0034	12	-43 11 11.27	0.026	12	0.75	7.758	45	99.1	12.59	45	99.1	K0	CZ	4600	P -43 1539
80		8.0T	30 8.339	-0.0031	12	-43 10 56.91	0.022	11	0.65	8.499	18	98.0	58.12	17	95.2	K0	GC	10098K	C -43 3307
81	9.8E	9.2H	30 8.681	-0.0019	12	-41 53 28.52	0.012	12	0.66	8.777	28	99.0	29.12	26	99.0	K0	CZ	4599	P -41 1484
82	8.2E	8.8H	30 39.656	0.0002	12	-46 50 3.57	0.016	12	0.64	39.645	28	01.4	4.33	26	01.4	B3	CZ	4609	P -46 1548
83	10.1E	9.8H	30 47.209	-0.0020	12	-42 29 4.95	0.022	12	0.66	47.309	28	99.4	6.05	26	99.4	G5	CZ	4608	P -42 1447
84	9.0E	9.5H	30 48.342	-0.0026	12	-40 35 10.25	-0.001	12	0.85	48.473	63	99.2	10.21	57	99.2	A0	CZ	4606	P -40 1535
85		8.5T	30 59.666	0.0016	22	-49 44 34.87	0.215	22	1.05	59.593	21	04.3	44.67	21	04.3	G5	GC	10112	C -49 2901
86	9.3E	10.8H	31 8.495	-0.0009	12	-40 17 52.82	0.008	12	0.85	8.540	63	99.2	53.24	57	99.2	A2	CZ	4611	P -40 1545
87	9.4E	9.5Z	31 22.383	-0.0017	12	-49 5 58.78	-0.001	12	0.65	22.463	31	02.1	58.73	31	02.1	B5	CZ	4616	P -48 1206
88	8.4E	8.5Z	31 23.161	-0.0025	12	-49 6 11.20	0.007	12	0.64	23.283	28	01.1	11.55	26	01.1	B5	CZ	4617	P -48 1206
89	9.5E	10.0H	31 24.619	-0.0011	12	-43 32 14.03	-0.001	12	0.69	24.672	36	00.8	13.99	36	00.8	A3	CZ	4614	P -43 1559
90	9.8E	8.3H	31 27.704	-0.0018	12	-41 21 28.18	0.012	12	0.65	27.794	28	99.9	28.80	26	99.9	K5	CZ	4613	P -41 1492
91	8.9E	8.6H	31 31.609	-0.0005	12	-40 25 27.26	0.027	12	0.74	31.633	45	00.6	28.60	45	00.6	G5	CZ	4615	P -40 1549
92		6.4T	31 36.956	-0.0002	14	-42 58 36.20	-0.036	11	0.67	36.965	18	00.0	34.25	17	96.0	K0	GC	10127	C -42 3325
93	9.9E	9.6H	31 43.116	0.0008	12	-43 39 52.12	-0.020	12	0.66	43.076	28	99.6	51.11	26	99.6	K0	CZ	4620	P -43 1565
94	9.7E	9.7H	31 43.989	-0.0008	12	-40 36 49.83	-0.007	12	0.66	44.031	28	99.5	49.49	26	99.5	A	CZ	4619	P -40 1550
95	9.8E	9.2H	31 52.345	-0.0024	12	-47 41 40.94	-0.001	12	0.64	52.462	28	01.6	40.88	26	01.6	F5	CZ	4623	P -47 1408
96	9.8E	9.0Z	31 56.672	0.0008	12	-45 50 23.99	0.012	12	0.64	56.634	28	01.1	24.57	26	01.1		CZ	4622	P -45 1576
97	9.5E	9.8H	32 4.130	-0.0010	12	-46 39 57.04	0.015	12	0.67	4.178	36	02.5	57.75	36	02.5	A2	CZ	4626	P -46 1565
98	9.7E	9.8H	32 7.143	-0.0034	12	-42 42 53.18	0.048	12	0.65	7.311	28	00.8	55.55	26	00.8	F5	CZ	4625	P -42 1457
99	9.4E	9.5H	32 10.330	0.0007	12	-40 49 13.51	-0.020	12	0.83	10.298	63	02.1	12.57	57	02.1	B9	CZ	4624	P -40 1557
00	9.6E	9.2H	32 12.838	0.0038	12	-47 51 46.89	-0.115	12	0.67	12.659	36	02.8	41.44	36	02.8	G5	CZ	4630	P -47 1413

218800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 7H DM NUMBER
1		6.5T	7 32 13.880	-0.0001	14	-43 0 14.29	-0.011	11	0.68	13.884	22	01.4	13.70	21	97.3	K5	GC	10146	C -42 3334
2	8.4E	7.9M	32 24.267	-0.0018	12	-46 37 40.89	-0.020	12	0.73	24.355	45	01.2	39.90	45	01.2	F5	CZ	4634	P -46 1569
3	9.9E	9.2M	32 26.597	-0.0010	12	-49 33 1.95	-0.051	12	0.74	26.645	45	00.7	-59.44	45	00.7	K0	CZ	4637	P -49 1277
4	9.7E	8.7M	32 26.868	-0.0011	12	-41 32 8.67	-0.009	12	0.65	26.923	28	00.0	8.23	26	00.0	K2	CZ	4631	P -41 1500
5	8.9E	8.9M	32 28.416	-0.0003	12	-41 41 38.56	-0.025	12	0.73	28.432	45	01.6	37.35	45	01.6	A0	CZ	4633	P -41 1501
6		8.5T	32 29.075	-0.0035	18	-49 38 28.00	0.011	20	0.89	29.232	24	05.2	28.47	24	04.9	K0	GC	10160	C -49 2914
7	9.3E	9.0M	32 34.635	0.0005	12	-45 52 58.41	0.036	12	0.72	34.603	45	02.2	0.12	45	02.2	A2	CZ	4635	P -45 1584
8	9.3E	8.9M	32 34.976	0.0001	12	-45 46 58.75	0.021	12	0.72	34.975	45	02.2	59.74	45	02.2	K0	CZ	4636	P -45 1583
9	8.8E	8.4M	32 37.175	-0.0025	12	-47 1 45.82	0.054	12	0.66	37.300	31	00.2	48.50	28	00.2	F2	CZ	4641	P -46 1575
10	8.4E	8.9M	32 37.946	-0.0008	12	-46 32 0.47	0.009	12	0.73	37.985	45	01.2	0.09	45	01.2	B5	CZ	4640	P -46 1573
11	10.2E	9.5Z	32 42.925	-0.0013	12	-48 20 29.29	0.017	12	0.74	42.990	45	00.6	30.12	45	00.6		CZ	4645	P -48 1215
12		7.3T	32 44.619	-0.0030	11	-41 57 46.55	-0.004	09	0.57	44.777	18	97.4	46.29	18	91.1	A0	GC	10165K	C*-41 3173
13		7.2T	32 49.408	0.0006	15	-42 17 18.53	0.021	14	0.75	49.377	19	01.1	19.56	18	00.0	A3	GC	10166	C -42 3336
14	9.3E	7.9M	32 50.954	0.0009	12	-46 38 58.11	0.031	12	0.73	50.919	45	01.2	56.58	45	01.2	K0	CZ	4648	P -46 1577
15	9.1E	9.4M	32 57.003	-0.0006	12	-42 44 0.67	-0.002	12	0.72	57.033	45	02.7	0.58	45	02.7	B5	CZ	4646	P -42 1464
16	11.2E	9.5Z	33 2.201	-0.0018	12	-44 1 3.90	0.007	12	0.66	2.292	28	99.7	4.25	26	99.7		CZ	4649	P -43 1587
17		6.4T	33 10.562	-0.0019	13	-44 34 52.84	0.045	12	0.68	10.658	17	00.4	55.19	18	97.5	K2	GC	10173	C -44 3546
18		6.9T	33 10.098	-0.0014	08	-44 11 6.84	-0.001	07	0.32	17.158	12	08.7	6.78	10	06.8	A0	GC	10174	C -44 3549
19	9.1E	9.0M	33 33.644	-0.0007	12	-40 43 59.58	-0.024	12	0.83	33.679	63	02.1	58.45	57	02.1	A0	CZ	4655	P -40 1571
20	8.9E	9.2M	33 47.247	-0.0011	12	-41 50 31.17	-0.015	12	0.73	47.303	45	01.6	30.44	45	01.6	B9	CZ	4657	P -41 1509
21	7.9E	7.5M	33 47.625	0.0003	12	-46 27 57.71	0.015	12	0.66	47.609	31	00.2	58.46	28	00.2	A0	CZ	4660	P -46 1597
22	9.0E	8.8M	33 56.074	-0.0011	12	-41 21 49.73	-0.015	12	0.65	56.131	28	99.9	49.00	26	99.9	B8	CZ	4659	P -41 1511
23	9.0E	8.8M	34 6.351	-0.0063	12	-49 43 8.90	-0.027	12	0.74	6.661	45	00.7	7.56	45	00.7	K0	CZ	4662	P -49 1287
24	9.4E	9.0M	34 11.231	-0.0028	12	-48 13 32.40	0.005	12	0.66	11.371	31	00.1	32.63	28	00.1	F8	CZ	4663	P -48 1220
25	9.4E	9.0M	34 17.982	-0.0004	12	-44 30 46.75	0.006	12	0.74	18.002	45	00.1	47.04	45	00.1	A0	CZ	4661	P -44 1706
26	9.6E	9.4M	34 19.191	-0.0006	12	-45 24 10.16	0.007	12	0.72	19.218	45	02.2	10.49	45	02.2	F2	CZ	4664	P -45 1609
27	9.0E	7.8M	34 24.823	-0.0002	12	-47 2 36.41	-0.000	12	0.73	24.833	45	01.2	36.40	45	01.2	K2	CZ	4667	P -46 1608
28	9.3E	7.8M	34 33.328	0.0013	12	-49 49 31.95	0.028	12	0.66	33.258	31	00.2	33.34	28	00.2	K2	CZ	4674	P -49 1291
29		8.1T	34 35.700	-0.0007	13	-41 58 10.93	0.005	13	0.70	35.736	15	98.5	11.18	15	96.8	B3	GC	10210	C -41 3191
30	7.8E	7.5M	34 35.718	0.0001	12	-40 25 6.26	-0.048	12	0.66	35.715	28	99.2	3.79	26	99.2	A2	CZ	4666	P -40 1579
31		7.0T	34 40.891	0.0043	12	-44 50 40.50	-0.013	10	0.61	40.671	21	98.3	39.76	19	94.1	K0	GC	10212	C -44 3573
32	10.9E	10.0Z	34 46.245	-0.0021	12	-48 43 56.15	-0.015	12	0.74	46.349	45	00.6	55.42	45	00.6		CZ	4675	P -48 1225
33		8.1T	34 47.637	-0.0084	17	-48 44 2.35	0.017	13	0.75	47.745	24	04.0	3.17	22	01.6	K7	GC	10218K	C*-48 3065
34	9.2E	9.4M	34 48.063	-0.0019	12	-42 50 35.96	-0.003	12	0.72	48.154	45	02.7	35.82	45	02.7	A0	CZ	4673	P -42 1475
35	7.7E	8.0M	34 55.171	-0.0016	12	-47 7 45.65	0.020	12	0.66	55.249	31	00.4	46.64	28	00.4	B9	CZ	4676	P -46 1614
36	9.1E	10.2M	34 56.783	-0.0010	12	-44 17 6.38	-0.007	12	0.74	56.833	45	00.1	6.03	45	00.1	A0	CZ	4677	P -44 1714
37		7.0T	35 6.897	-0.0005	12	-44 52 27.46	0.010	10	0.61	4.984	19	99.3	27.99	18	96.0	B8	GC	10228	C -44 3579
38	9.0E	8.9M	35 6.684	-0.0006	12	-45 9 41.22	0.009	12	0.72	6.711	45	02.2	41.64	45	02.2	A2	CZ	4680	P -44 1718
39		7.0T	35 15.497	-0.0017	20	-40 4 43.63	-0.034	18	0.89	15.574	22	05.2	42.06	21	03.8	K2	GC	10235	C*-39 3444
40		7.1T	35 18.928	0.0001	20	-45 19 6.16	0.016	18	0.93	18.922	19	02.6	6.96	19	01.4	K0	GC	10239	C -45 3310
41		5.9T	35 19.868	-0.0008	09	-48 43 0.46	0.007	06	0.35	19.898	15	09.7	0.80	14	01.4	B9	GC	10241	C -48 3069
42		7.8T	35 21.978	-0.0035	13	-44 54 53.22	0.009	11	0.66	22.153	22	00.4	53.68	21	97.1	G5	GC	10243	C -44 3586
43	8.8E	8.8M	35 29.297	-0.0018	12	-47 0 50.63	0.014	12	0.73	29.366	45	01.2	51.30	45	01.2	K0	CZ	4684	P -46 1631
44	9.2E	9.0M	35 32.850	-0.0011	12	-45 28 6.94	0.029	12	0.72	32.901	45	02.2	8.31	45	02.2	G0	CZ	4685	P -45 1630
45	9.2E	9.2M	35 56.692	0.0046	12	-42 46 28.35	-0.046	12	0.64	56.466	26	00.5	26.08	24	00.5	G0	CZ	4688	P -42 1480
46	9.3E	9.5Z	36 13.938	-0.0013	12	-43 53 31.74	-0.004	12	0.68	14.002	36	01.4	31.54	36	01.4		CZ	4689	P -43 1641
47		8.0T	36 25.645	0.0002	16	-43 31 35.54	0.050	16	0.80	25.637	19	01.8	37.96	19	01.3	K2	GC	10271	C -43 3414
48	9.1E	9.4M	36 32.391	-0.0016	12	-49 9 25.72	-0.004	12	0.66	32.471	31	00.1	25.52	28	00.1	G0	CZ	4694	P -48 1234
49		9.6T	36 32.935	-0.0063	20	-42 2 26.95	-0.011	18	0.92	33.231	19	03.0	26.40	18	02.0	A0	GC	10273	C -41 3220
50	10.3E	9.0Z	36 50.863	-0.0012	12	-42 21 58.11	-0.018	12	0.65	50.924	28	00.8	57.22	26	00.8		CZ	4695	P -42 1492
51	8.3E	8.0M	7 36 53.109	-0.0007	12	-45 25 55.24	0.025	12	0.64	53.141	28	01.1	56.45	26	01.1	A5	CZ	4696	P -45 1650
52		5.8T	36 53.375	-0.0003	07	-48 29 10.06	0.008	06	0.30	53.386	14	09.5	11.24	13	03.9	F5P	GC	10280	C -48 3091
53	8.8E	8.8Z	36 55.675	-0.0001	12	-48 33 18.50	0.007	12	0.68	55.885	36	01.4	18.81	36	01.4		CZ	47100	P*-48 1236
54	9.2E	9.4M	36 58.522	-0.0013	12	-47 35 12.48	-0.004	12	0.68	58.594	36	02.1	12.28	36	02.1	A	CZ	4702	P -47 1469
55	8.4E	8.2M	36 59.554	-0.0014	12	-47 35 47.43	0.007	12	0.64	59.623	28	01.1	47.76	26	01.1	G	CZ	4704	P -47 1470
56	9.0E	9.0Z	37 1.083	-0.0003	12	-43 26 3.30	-0.010	12	0.68	1.099	36	01.4	2.83	36	01.4		CZ	4697	P -43 1661
57	9.9E	8.5Z	37 5.455	0.0002	12	-44 28 12.81	0.014	12	0.65	5.446	28	00.1	13.51	26	00.1		CZ	4701	P -44 1757
58		9.0T	37 7.537	-0.0016	16	-43 28 44.09	0.029	17	0.80	7.611	24	03.4	45.43	22	03.4	A0	GC	10294	C -43 3425
59	8.8E	8.3M	37 12.430	0.0005	17	-40 41 25.95	-0.038	12	0.83	12.408	63	02.1	24.14	57	02.1	A5	CZ	4699	P -40 1598
60		8.1T	37 13.533	-0.0016	17	-44 42 52.85	-0.005	12	0.73	13.606	24	04.0	52.59	22	00.7	B8	GC	10296	C -44 3619
61	9.3E	9.2M	37 15.113	0.0032	12	-47 26 14.33	-0.091	12	0.68	14.960	36	02.1	9.96	36	02.1	F8	CZ	4709	P -47 1474
62	9.5E	9.6Z	37 15.473	-0.0016	12	-41 11 59.82	-0.031	12	0.65	15.555	28	00.1	58.28	26	00.1		CZ	4705	P -41 1548
63	9.4E	9.5Z	37 20.708	-0.0012	12	-48 45 10.96	0.011	12	0.68	20.766	36	01.4	11.50	36	01.4		CZ	4710	P -48 1238
64	8.9E	8.6M	37 20.737	-0.0022	12	-41 25 11.98	0.001	12	0.65	20.849	28	00.0	12.05	26	00.0	F0	CZ	4708	P -41 1549
65	9.6E	9.1M	37 26.369	-0.0007	12	-49 34 16.03	-0.029	12	0.68	26.401	36	01.8	14.64	36	01.8	A5	CZ	4712	P -49 1312
66	9.3E	9.0M	37 27.321	-0.0035	12	-47 51 36.03	-0.003	12	0.73	27.491	45	01.6	37.86	45	01.6	F5	CZ	4711	P -47 1477
67	9.9E	9.6M	37 45.459	-0.0018	12	-46 10 30.60	-0.012	12	0.67	45.549	31	00.2	30.00	31	00.2	G5	CZ	4718	P -46 1656
68	9.3E	9.6M	37 45.971	-0.0005	12	-45 10 58.14	-0.006	12	0.72	45.984	45	02.1	57.84	45	02.1	A3	CZ	4717	P -45 1669
69	9.1E	10.3M	37 46.886	-0.0012	12	-43 21 36.94	0.009	12	0.71	46.944	45	03.1	37.37	45	03.1	A	CZ	4713	P -43 1673
70	8.5E	9.6M	37 47.701	-0.0019	12	-43 51 31.03	0.001	12	0.71	47.790	45	03.1	31.07	45	03.1	A0	CZ	4715	P -43 1676
71	9.9E	10.0M	37 48.983	-0.0016	12	-43 51 39.49	-0.007	12	0.71	49.058	45	03.1	39.16	45	03.1	A0	CZ	4716	P -43 1676
72		7.1T	37 52.997	0.0009	08	-48 56 7.19	0.007	06	0.35	52.956	15	06.1	7.53	14	00.3	B8	GC	10315K	C*-48 3102
73	10.5E	8.8M	37 53.288	-0.0029	12	-48 55 52.51	0.012	12	0.71	53.376	45	03.6	53.07	45	03.6	B8	CZ	4724	P -48 1243
74	9.2E	9.0M	37 54.277	-0.0019	12	-46 36 33.72	-0.002	12	0.73	54.370	45	01.2	33.60	45	01.2	A0	CZ	4721	P -46 1659
75	8.3E	8.4M	38 2.633	0.0008	12	-40 9 36.35	-0.020	12	0.67	2.594	31	99.4	35.36	28	99.4	A0	CZ	4720	P -39 1559
76	7.9E	8.2M	38 3.884	-0.0027	12	-47 25 55.37	-0.001	12	0.66	4.016	31	00.4	55.32	28	00.4	B9	CZ	4725	P -47 1482
77		7.3T	38 5.251	0.0001	16	-43 9 48.03	0.005	13	0.77	5.245	17	99.9	48.30	15	97.7	A0	GC	10325K	C*-42 3396
78	8.9E	9.2M	38 12.521	-0.0012	12	-43 45 20.93	-0.011	12	0.71	12.578	45	03.1	20.41	45	03.1	A2	CZ	4726	P -43 1680
79	8.7E	9.4M	38 14.487	-0.0001	12	-44 39 46.09	-0.002	12	0.73	14.492	45	02.1	46.00	45	02.1	A0	CZ	4729	P -44 1778
80	8.0E	8.5M	38 16.208	-0.0012	12	-46 56 27.46	-0.001	12	0.66	16.269	31	00.2	27.40	28	00.2	B8	CZ	4730	P -46 1663
81		8.4T	38 18.099	-0.0021	17	-42 21 24.46	0.024	22	0.90	18.156	24	03.7	25.45	24	08.0	A2	GC	10334	C -42 3399
82	8.7E	7.4M	38 23.528	0.0004	12	-45 51 9.94	-0.005	12	0.66	23.507	31	00.8	9.69	28	00.8	MA	CZ	4732	P -45 1680
83	8.7E	8.5M	38 29.160	0.0000	12	-45 2 55.00	0.008	12	0.66	29.158	31	00.7	55.41	28	00.7	F5	CZ	4733	P -44 1783
84	9.0E	9.6M	38 30.829	-0.0020	12	-42 12 42.61	-0.001	12	0.72	30.925	45	02.7	42.55	45	02.7	B9	CZ	4731	P -42 1509
85	9.0E	8.2M	38 32.087	-0.0021	12	-49 18 41.77	0.054	12	0.71	32.185	45	03.6	44.27	45	03.6	F5	CZ	4739	P -49 1316
86	7.8E	7.5M	38 33.248	0.0052	12	-44 18 53.99	0.094	12	0.73	32.989	45	02.1	58.50	45	02.1	G5	CZ	4734	P -44 1764
87		7.4T	38 37.504	-0.0016	13	-45 13 56.82	0.021	12	0.67	37.582	18	00.1	57.97	19	96.1	K2	GC	10342	C -45 3366
88	9.1E	9.0M	38 40.002	-0.0013	12	-49 46 44.08	-0.005	12	0.71	40.061	45	03.6	43.85	45	03.6	A3	CZ	4744	P -49 1318
89	9.0E	9.2M	38 41.014	-0.0011	12	-42 14 39.89	0.007	12	0.65	41.070	28	00.6	40.23	26	00.6	F8	CZ	4736	P -42 1512
90	9.1E	9.2M	38 43.568	-0.0016	12	-44 12 6.49	0.042	12	0.73	43.645	45	02.1	8.50	45	02.1	A5	CZ	4738	P -44 1791
91	10.1E	9.9Z	38 44.081	-0.0013	12	-44 2 30.63	0.016	12	0.64	44.145	28	01.1	31.43	26	01.1		CZ	4740	P -43 1688
92	8.6E	8.8M	38 44.458	-0.0009	12	-48 23 47.60	0.007	12	0.71	44.503	45	03.6	47.91	45	03.6	F5	CZ	4745	P -48 1245
93	9.5E	9.6M	38 45.186	-0.0022	12	-46 39 55.46	0.003	12	0.73	45.274	45	01.2	55.60	45	01.2	G	CZ	4743	P -46 1673
94	8.6E	9.6M	38 49.069	-0.0019	12	-42 59 15.16	0.002	12	0.65	49.164	28	00.7	15.27	26	00.7	A0	CZ	4741	P -42 1515
95	8.3E	9.4M	38 6.173	-0.0003	12	-45 38 25.45	-0.001	12	0.72	6.187	45	02.1	25.39	45	02.1	B3	CZ	4746	P -45 1692
96		7.5T	39 20.505	-0.0001	13	-43 4 0.08	-0.003	12	0.68	20.509	15	99.4	-59.92	17	97.7	B9	GC	10353	C -42 3413
97	9.2E	9.4M	39 24.754	-0.0017	12	-42 48 10.20	-0.002	12	0.72	24.836	45	02.7	10.11	45	02.7	F0	CZ	4748	P -42 1524
98	8.6E	7.8M	39 30.349	0.0084	12	-49 34 46.58	-0.015	12	0.64	30.233	31	02.1	45.85	28	02.1	F2	CZ	4755	P -49 1321
99		7.5T	39 34.273	0.0029	13	-47 42 45.98	0.018	12	0.69	34.127	22	00.0	46.98	19	95.4	A2	GC	10356	C -47 3225
00	8.2E	8.8M	39 34.424	-0.0018	12	-42 40 36.40	0.005	12	0.72	34.511	45	02.7	36.65	45	02.7	A0	CZ	4749	P -42 1527

218900 — EPOCH 1950 — ORIGINAL EPOCH — -40° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.1E	8.0H	7 39 40.329	-0.0009	12	-40 9 13.67	-0.020	12	0.83	40.373	63	02.1	12.73	57	02.1	K5	CZ	4750	P -39 1581
2	7.3E	7.3H	39 40.876	-0.0006	12	-41 2 47.44	0.004	12	0.83	40.907	63	02.1	47.61	57	02.1	B9	CZ	4751	P -40 1633
3	7.8E	7.3H	39 41.694	-0.0045	12	-41 46 21.51	0.114	12	0.73	41.913	45	01.6	27.03	45	01.6	F5	CZ	4752	P -41 1583
4	9.8E	9.0Z	39 41.771	-0.0019	12	-43 30 23.05	0.005	12	0.71	41.862	45	03.1	23.29	45	03.1		CZ	4753	C -43 1706
5		8.4T	39 47.612	0.0003	15	-44 30 50.09	-0.001	11	0.68	47.599	17	01.1	50.02	18	97.1	B9	GC	10363	C -44 3655
6		7.3T	39 49.315	-0.0005	13	-43 31 1.79	-0.014	12	0.68	49.341	22	01.3	1.03	21	97.4	A0	GC	10364	C -43 3471
7		8.5T	39 52.398	-0.0039	15	-44 45 53.41	-0.017	11	0.68	52.581	24	03.1	32.44	22	99.5	A0	GC	10365	C -44 3656
8	10.0E	10.2H	40 1.455	-0.0014	12	-49 58 30.61	0.001	12	0.71	1.519	45	03.6	30.65	45	03.6	A0	CZ	4760	P -49 1324
9	8.5E	8.0H	40 20.685	-0.0017	12	-46 47 27.10	0.017	12	0.73	20.769	45	01.2	27.93	45	01.2	F0	CZ	4762	P -46 1699
10	9.1E	9.0H	40 26.417	-0.0007	12	-41 10 4.62	0.004	12	0.73	26.453	45	01.6	4.83	45	01.6	F0	CZ	4761	P -40 1651
11	9.3E	9.8H	40 36.276	-0.0006	12	-44 8 43.86	0.006	12	0.73	36.305	45	02.1	44.15	45	02.1	A0	CZ	4763	P -43 1719
12	8.9E	8.4H	40 37.509	-0.0024	12	-46 32 19.78	-0.003	12	0.86	37.629	31	00.1	19.61	28	00.1	G5	CZ	4766	P -46 1702
13	8.3E	9.1H	40 45.490	-0.0014	12	-42 30 37.00	0.006	12	0.72	45.558	45	02.7	37.28	45	02.7	B9	CZ	4765	P -42 1545
14	8.9E	8.3H	40 45.725	-0.0025	12	-41 36 41.67	-0.015	12	0.65	45.848	26	99.8	40.94	24	99.8	A5	CZ	4764	P -41 1599
15	8.4E	8.9H	40 56.986	-0.0017	12	-40 30 24.95	0.007	12	0.67	57.054	31	99.3	25.32	28	99.3	B8	CZ	4767	P -40 1662
16	9.9E	9.0H	40 57.945	-0.0025	12	-48 34 45.15	0.011	12	0.71	58.060	45	03.6	45.64	45	03.6	K0	CZ	4774	P -48 1280
17	7.8E	7.5H	40 58.073	-0.0010	12	-42 6 36.16	0.017	12	0.73	58.123	45	01.6	36.99	45	01.6	B5	CZ	4768	P -41 1606
18	8.9E	9.1H	40 58.497	-0.0021	12	-44 54 50.03	0.005	12	0.68	58.598	36	02.1	50.27	36	02.1	A0	CZ	4770	P -44 1624
19	8.5E	9.1H	40 58.693	-0.0007	12	-45 35 52.90	0.007	12	0.68	58.724	36	02.1	53.23	36	02.1	A0	CZ	4771	P -45 1718
20	8.2E	8.9H	41 9.470	-0.0012	12	-42 38 15.83	-0.013	12	0.72	9.528	45	02.7	15.22	45	02.7	A0	CZ	4773	P -42 1554
21	9.3E	10.0H	41 11.867	-0.0014	12	-46 47 4.76	-0.003	12	0.69	11.936	36	00.8	4.60	36	00.8	B9	CZ	4775	P -46 1705
22	9.1E	8.6H	41 21.612	-0.0014	12	-49 1 41.62	-0.041	12	0.65	21.679	31	02.1	39.66	28	02.1	F5	CZ	4778	P -48 1283
23		5.2T	41 24.287	-0.0065	07	-45 2 43.54	-0.559	05	0.32	24.565	14	07.1	15.06	12	99.1	G5	GC	10402	C*-44 3675
24	8.7E	9.1H	41 24.450	-0.0019	12	-43 8 17.39	0.003	12	0.64	24.545	28	01.4	17.55	26	01.4	B9	CZ	4776	P -42 1557
25	9.2	9.0M	41 34.058	-0.0033	13	-40 1 38.99	0.033	13	0.26	34.104	15	36.2	39.44	21	36.2	A3	C8	3227	C -39 3522
26	10.0E	9.6Z	41 37.191	0.0002	12	-43 44 4.74	-0.004	12	0.64	37.181	28	01.3	4.54	26	01.3		CZ	4780	P -43 1730
27	8.8E	9.3H	41 38.270	-0.0002	12	-41 55 9.53	-0.002	12	0.65	38.282	28	99.8	9.42	26	99.8	F0	CZ	4779	P -41 1612
28		6.6T	41 44.836	-0.0010	13	-49 52 20.44	-0.007	12	0.68	44.887	22	99.8	20.04	21	96.6	A0	GC	10416	C -49 3014
29	7.6E	8.3H	41 53.877	-0.0015	12	-46 55 34.23	0.015	12	0.65	53.950	28	00.1	34.98	26	00.1	B5	CZ	4786	P -46 1711
30	9.9E	9.6Z	41 57.441	-0.0017	12	-47 58 27.88	-0.039	12	0.65	57.526	28	00.4	25.93	26	00.4		CZ	4789	P -47 1525
31	8.9E	7.1H	41 58.460	-0.0001	12	-41 20 48.84	-0.015	12	0.74	58.467	45	00.1	48.11	45	00.1	K5	CZ	4782	P -41 1619
32		5.1T	41 59.710	0.0114	04	-40 48 38.73	-0.189	04	0.18	59.252	07	09.8	30.85	07	08.3	K0	GC	10425	C*-40 3377
33	8.6E	7.5H	42 1.901	-0.0011	12	-45 44 37.23	0.010	12	0.64	1.955	28	01.1	37.71	26	01.1	K5	CZ	4788	P -45 1727
34	8.7E	8.6H	42 2.584	-0.0002	12	-41 15 54.66	0.006	12	0.66	2.596	28	99.0	54.98	26	99.0	B8	CZ	4783	P -41 1621
35		6.7T	42 5.259	0.0010	13	-40 11 17.81	0.005	12	0.67	5.210	21	00.0	18.07	18	97.3	B2	GC	10429	C*-40 3379
36	9.5E	8.7Z	42 8.023	-0.0032	12	-40 38 46.92	0.017	12	0.85	8.187	63	99.2	47.81	57	99.2		CZ	4787	P -40 1683
37	8.7E	9.1H	42 10.132	-0.0027	12	-46 5 6.49	0.025	12	0.68	10.262	36	02.1	7.67	36	02.1	A3	CZ	4791	P -45 1729
38	9.2E	9.6H	42 14.999	-0.0005	12	-49 20 43.63	-0.001	12	0.71	14.977	45	03.6	43.58	45	03.6	A0	CZ	4795	P -49 1336
39	8.9E	8.9H	42 16.494	-0.0012	12	-41 43 56.52	0.014	12	0.66	16.557	28	99.0	57.23	26	99.0	B9	CZ	4790	P -41 1624
40	8.3E	7.9H	42 25.528	-0.0018	12	-42 51 24.61	0.009	12	0.73	25.616	45	01.6	25.05	45	01.6	MA	CZ	4792	P -42 1571
41	9.2E	9.0Z	42 26.349	-0.0019	12	-43 41 15.98	0.004	12	0.65	26.444	28	00.2	16.18	26	00.2		CZ	4794	P -43 1739
42	11.7E	10.5H	42 27.622	0.0003	12	-49 29 38.32	0.000	12	0.71	27.610	45	03.6	38.33	45	03.6	F2	CZ	4799	P -49 1338
43	9.4E	9.6H	42 28.834	0.0015	12	-49 29 49.51	-0.011	12	0.71	28.765	45	03.6	49.00	45	03.6	F2	CZ	4800	P -49 1338
44	8.6E	9.1H	42 29.688	-0.0006	12	-45 35 39.55	-0.013	12	0.72	29.715	45	02.1	38.92	45	02.1	F8	CZ	4796	P -45 1733
45	9.1E	9.8H	42 37.597	-0.0040	12	-42 53 47.54	-0.006	12	0.73	37.793	45	01.6	47.25	45	01.6	B9	CZ	4797D	P*-42 1577
46	8.4E	7.9H	42 44.389	-0.0005	12	-40 25 44.62	-0.003	12	0.85	44.417	63	99.2	44.49	57	99.2	K0	CZ	4798	P -40 1691
47	9.6E	10.5H	42 47.391	-0.0011	12	-42 18 34.00	-0.012	12	0.65	47.448	28	00.0	33.40	26	00.0	A0	CZ	4802	P -42 1562
48	9.3E	9.4H	42 47.825	-0.0020	12	-42 46 59.17	0.009	12	0.73	47.924	45	01.6	59.61	45	01.6	F2	CZ	4803	C -42 1584
49		6.9T	43 10.800	-0.0014	10	-46 53 11.73	0.010	09	0.57	10.873	22	97.4	12.27	19	92.7	B9	GC	10454	C -46 3391
50	8.2E	8.5H	43 14.051	-0.0011	12	-40 20 27.18	-0.007	12	0.68	14.110	28	97.7	26.84	26	97.7	B5	CZ	4807	C -40 1701
51	8.5E	9.2H	7 43 14.543	-0.0011	12	-45 50 56.01	-0.017	12	0.72	14.596	45	02.1	55.19	45	02.1	A0	CZ	4813	P -45 1743
52	8.9E	9.4H	43 23.725	-0.0020	12	-46 26 54.01	0.009	12	0.66	23.826	31	00.1	54.44	28	00.1	A3	CZ	4818	P -46 1729
53	9.5E	8.7H	43 31.001	-0.0010	12	-40 32 35.35	-0.016	12	0.85	31.054	63	99.2	34.56	57	99.2	K	CZ	4815	P -40 1707
54	9.1E	9.2H	43 34.783	-0.0028	12	-40 45 13.89	0.012	12	0.85	34.928	63	99.2	14.52	57	99.2	A3	CZ	4817	P -40 1710
55		6.1T	43 41.670	-0.0010	13	-43 37 47.19	0.001	12	0.69	41.722	22	00.1	47.22	21	98.0	B5	GC	10472	C -43 3534
56	8.7E	8.6H	43 42.841	0.0008	12	-49 17 0.71	0.007	12	0.64	42.804	31	02.1	1.05	28	02.1	F0	CZ	4827	P -49 1345
57	7.9E	7.6H	43 43.130	-0.0004	12	-48 47 34.08	-0.020	12	0.65	43.151	31	02.1	33.14	28	02.1	A0	CZ	4826	P -48 1273
58	12.1E	10.8H	43 43.648	-0.0017	12	-45 5 36.59	0.001	12	0.73	43.728	45	02.1	36.65	45	02.1	F2	CZ	4823	P -44 1857
59		8.9T	43 44.902	-0.0073	20	-45 5 30.28	-0.017	13	0.82	45.231	24	04.8	31.16	21	99.4	F2	GC	10474	C -44 3708
60	8.8E	7.9H	43 45.917	0.0010	12	-40 36 58.72	-0.010	12	0.85	45.868	63	99.2	58.23	57	99.2	K0	CZ	4820	P -40 1715
61		7.4T	43 50.907	-0.0027	10	-44 45 35.67	-0.013	08	0.42	51.022	14	07.9	35.09	15	06.3	A0	GC	10478	C -44 3709
62	8.5E	9.1H	44 0.993	-0.0013	12	-44 15 4.42	-0.002	12	0.73	1.056	45	02.1	4.33	45	02.1	A0	CZ	4830	P -44 1859
63	9.2E	8.9H	44 1.740	-0.0007	12	-45 40 45.49	-0.019	12	0.72	1.774	45	02.1	44.57	45	02.1	K0	CZ	4832	P -45 1751
64	9.5E	8.9H	44 6.008	-0.0011	12	-41 31 50.59	0.000	12	0.74	6.062	45	00.1	50.61	45	00.1	A0	CZ	4829	P -41 1662
65	8.5E	7.9H	44 8.056	-0.0035	12	-47 27 44.78	-0.037	12	0.66	8.230	31	00.4	42.94	28	00.4	F5	CZ	4834	P -47 1547
66	8.7E	7.7Z	44 16.458	-0.0008	12	-48 13 56.71	0.036	12	0.71	16.496	45	03.6	58.36	45	03.6	K2	CZ	4839	P -48 1276
67	10.6E	10.2Z	44 16.519	-0.0010	12	-48 14 12.32	0.038	12	0.71	16.566	45	03.6	14.06	45	03.6	K2	CZ	4840	P -48 1277
68	9.8E	10.0H	44 17.550	0.0008	12	-45 18 9.54	-0.068	12	0.66	17.508	31	00.8	6.18	28	00.8	G	CZ	4837	P -45 1752
69			44 17.745	-0.0007	12	-42 4 21.62	0.002	12	0.67	17.783	28	98.9	21.71	26	98.9	M0	CZ	4833Y	P -41 1665
70	9.7E	9.4H	44 19.291	-0.0027	12	-42 37 42.71	0.006	12	0.73	19.422	45	01.6	43.01	45	01.6	F8	CZ	4836	P -42 1615
71		7.8T	44 19.775	0.0002	16	-44 38 16.64	-0.044	11	0.71	19.767	22	03.1	14.31	21	97.4	K0	GC	10483	C -44 3718
72	9.0E	8.6H	44 21.365	-0.0016	12	-41 17 3.29	-0.004	12	0.67	21.449	28	98.9	3.10	26	98.9	A3	CZ	4835	P -41 1667
73	9.2E	8.5Z	44 29.999	-0.0043	12	-44 26 32.95	0.025	12	0.73	30.205	45	02.1	34.15	45	02.1		CZ	4842	P -44 1867
74	10.1E	9.5H	44 37.622	-0.0041	12	-42 54 54.84	0.012	12	0.73	37.822	45	01.6	55.43	45	01.6	A5	CZ	4843D	P -42 1623
75	9.0E	8.0H	44 38.013	-0.0020	12	-49 24 28.69	-0.024	12	0.71	38.107	45	03.6	27.58	45	03.6	G5	CZ	4845	P -49 1351
76	8.9E	8.9H	44 38.455	-0.0003	12	-42 54 57.26	0.014	12	0.65	38.472	28	99.9	57.98	26	99.9	A5	CZ	4844D	P -42 1623
77	10.3E		44 39.883	-0.0003	12	-49 24 32.62	0.006	12	0.71	39.898	45	03.6	32.90	45	03.6		CZ	4848	P -49 1353
78	8.2E	8.0H	44 45.240	-0.0014	12	-47 33 59.98	-0.004	12	0.73	45.307	45	01.6	59.77	45	01.6	B8	CZ	4849	P -47 1556
79	7.4E	7.9H	44 47.407	-0.0016	12	-46 2 10.54	-0.009	12	0.65	47.484	28	00.8	10.09	26	00.8	B5	CZ	4847	P -45 1755
80		7.8T	44 48.257	-0.0021	12	-44 57 50.09	-0.012	10	0.63	48.364	21	99.9	49.42	19	95.3	K2	GC	10494	C -44 3723
81	8.3E	9.1H	44 59.242	-0.0008	12	-46 49 4.94	-0.000	12	0.73	59.282	45	01.2	4.93	45	01.2	B9	CZ	4851	P -46 1755
82		7.2T	44 59.803	-0.0016	15	-49 7 3.65	0.039	12	0.72	59.879	18	01.4	5.66	21	98.1	A2	GC	10500	C -48 3181
83	8.7E	8.3H	45 6.484	-0.0007	12	-41 33 57.80	-0.011	12	0.74	6.521	45	00.1	57.26	45	00.1	A0	CZ	4850	P -41 1678
84	9.0E	8.6H	45 9.386	-0.0015	12	-42 3 58.89	0.012	12	0.67	9.465	28	98.9	59.49	26	98.9	F0	CZ	4852	P -41 1680
85	9.3E	9.5Z	45 14.129	-0.0011	12	-40 24 29.30	-0.014	12	0.85	14.187	63	99.2	28.61	57	99.2		CZ	4853	P -40 1745
86	9.1E	9.2H	45 14.350	-0.0010	12	-48 46 42.24	-0.007	12	0.65	14.398	31	02.1	41.91	28	02.1	A3	CZ	4860	P -48 1280
87		7.0T	45 15.927	0.0004	13	-46 40 38.77	0.008	13	0.70	15.907	22	01.6	39.19	22	00.2	B8	GC	10503K	C*-46 3421
88		7.2T	45 16.786	-0.0019	06	-47 59 17.44	0.016	05	0.25	16.859	12	11.0	18.18	10	05.0	A2	GC	10504	C -47 3303
89	9.0E	9.4H	45 17.542	-0.0013	12	-49 12 47.89	-0.001	12	0.71	17.603	45	03.6	47.85	45	03.6	A0	CZ	4865	P -49 1355
90	7.8E	8.0H	45 20.230	0.0003	12	-46 56 14.69	-0.014	12	0.73	20.214	45	01.2	14.01	45	01.2	F2	CZ	4862	P -46 1760
91	9.5E	9.1Z	45 23.680	-0.0007	12	-40 38 38.46	0.003	12	0.85	23.718	63	99.2	38.63	57	99.2		CZ	4856	P -40 1750
92		7.0T	45 26.181	-0.0016	14	-41 22 44.47	0.012	11	0.68	26.261	22	00.5	45.13	19	95.1	B2	GC	10512K	C -41 3384
93		7.8T	45 28.455	-0.0013	15	-41 23 34.81	-0.005	11	0.70	26.518	22	01.9	34.55	21	97.0		GC	10513K	C -41 3385
94	10.5E	9.5Z	45 30.459	-0.0011	12	-42 54 40.97	-0.012	12	0.65	30.516	28	99.9	40.38	26	99.9		CZ	4863	P -42 1639
95	7.2E	7.5H	45 30.636	-0.0013	12	-43 12 59.64	-0.001	12	0.73	30.699	45	02.1	59.60	45	02.1	B9	CZ	4864	P -43 1781
96	7.2E	7.5H	45 33.649	-0.0008	12	-43 16 12.44	0.007	12	0.65	33.690	28	00.4	12.81	26	00.4	B8	CZ	4866D	P*-43 1784
97	8.8E	9.2H	45 42.381	-0.0017	12	-48 2 40.04	-0.001	12	0.68	42.463	36	02.1	39.97	36	02.1	A0	CZ	4870	P -47 1568
98	9.5E	9.2H	45 46.571	-0.0007	12	-41 2 3.84	-0.006	12	0.85	46.609	63	99.2	3.55	57	99.2	A	CZ	4868	P -40 1765
99	9.8E	9.6H	45 52.766	-0.0045	12	-48 24 43.06	-0.012	12	0.66	52.976	36	03.4	42.48	36	03.4	A0	CZ	4871	P -48 1283
00		5.3H	46 0.808	-0.0008	04	-46 29 0.76	0.004	04	0.14	0.831	08	21.4	0.88	07	18.8	B2	F4	1203	C -46 3435

219000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 7H DM NUMBER
1		7.1T	7 46 5.287	-0.0026	13	-46 53 16.76	0.005	10	0.65	5.418	19	99.5	17.01	17	04.3	B8	SC	10534	C -46 3437
2		7.9T	46 7.604	0.0021	20	-46 56 45.58	0.002	15	0.82	7.512	26	06.6	45.69	27	03.6	G0	SC	10536	C -46 3438
3	9.5	9.5Z	46 9.756	-0.0026	12	-40 12 44.01	0.002	12	0.85	9.880	63	99.2	44.14	57	99.2		CZ	4872	P -40 1770
4	9.1	9.1H	46 18.313	-0.0006	12	-41 28 51.38	0.001	12	0.66	18.345	29	99.0	51.45	26	99.0	B8	CZ	4875	P -41 1705
5	8.1	8.1H	46 25.504	-0.0015	12	-44 25 9.51	0.010	12	0.68	25.577	36	02.1	9.99	36	02.1	A0	CZ	4880D	P+-44 1891
6		6.0T	46 25.895	-0.0009	11	-40 31 34.75	-0.031	09	0.55	25.942	17	98.4	32.96	18	98.3	M0	SC	10542	C -40 3490
7	8.1	9.1H	46 26.692	-0.0028	12	-44 8 40.79	0.018	12	0.68	26.827	36	02.1	41.65	36	02.1	A0	CZ	4881	P -43 1797
8	7.8	7.8H	46 27.934	-0.0001	12	-43 52 35.45	0.020	12	0.68	27.959	36	02.1	36.41	36	02.1	K5	CZ	4883	P -43 1788
9	7.7	7.7H	46 30.683	-0.0008	12	-42 22 55.77	-0.001	12	0.65	30.724	26	99.8	55.72	24	99.8	A0	CZ	4882	P -42 1651
10	8.1	7.8H	46 33.665	-0.0035	12	-49 38 1.65	0.055	12	0.64	33.927	31	02.1	4.28	28	02.1	F2	CZ	4885	P -49 1362
11	9.6	8.8Z	46 33.702	-0.0021	12	-42 27 22.76	0.044	12	0.69	33.807	36	00.8	24.82	36	00.8		CZ	4884	P -42 1654
12	10.1	9.5Z	46 38.935	-0.0089	12	-49 59 10.89	0.124	12	0.71	39.088	45	03.6	16.73	45	03.6		CZ	4891	P -49 1365
13	8.0	8.0H	46 39.857	-0.0008	12	-47 9 1.13	-0.004	12	0.64	39.881	28	01.1	0.98	28	01.1	B5	CZ	4886	P -46 1782
14	9.3	10.0H	46 47.622	-0.0008	12	-45 58 29.16	0.010	12	0.68	47.647	36	02.2	28.63	36	02.2	A0	CZ	4888	P -45 1779
15	8.7	9.1H	46 49.541	-0.0010	12	-46 16 29.47	0.019	12	0.68	49.591	36	01.5	29.36	36	01.5	B8	CZ	4892	P -46 1783
16	11.4	10.1H	46 49.579	-0.0017	12	-45 7 51.54	0.010	12	0.68	49.658	36	02.2	52.00	36	02.2	K2	CZ	4889	P -44 1889
17	9.5	8.7H	46 50.469	-0.0004	12	-45 7 58.41	-0.001	12	0.68	50.486	36	02.2	58.36	36	02.2	K2	CZ	4890	P -44 1889
18		4.6T	46 50.886	-0.0091	08	-46 57 2.24	-0.079	05	0.52	51.234	14	11.7	-58.52	14	02.7	K0	SC	10553	C+-46 3451
19	9.5	8.7Z	46 52.546	-0.0085	12	-42 7 15.54	0.004	12	0.70	52.673	36	99.8	15.73	36	99.8		CZ	4887	P -41 1716
20	9.8	9.2H	46 59.797	-0.0012	12	-41 39 59.28	0.002	12	0.66	59.861	28	99.1	59.37	28	99.1	A0	CZ	4893	P -41 1718
21	8.8	9.4H	47 0.061	-0.0009	12	-46 49 32.02	-0.004	12	0.68	0.105	36	01.5	31.81	36	01.5	A0	CZ	4897	P -46 1789
22		7.9T	47 2.240	-0.0023	13	-45 20 17.17	0.003	12	0.69	2.353	19	00.1	17.35	18	97.7	B8	SC	10557	C -45 3471
23	8.8	7.9H	47 4.315	-0.0035	12	-47 54 34.62	0.023	12	0.68	4.483	36	02.1	35.71	36	02.1	G5	CZ	4899	P -47 1580
24	6.4	7.4H	47 13.738	-0.0015	12	-43 11 5.99	0.007	12	0.65	13.811	28	00.4	6.33	28	00.4	B3	CZ	4898	P -42 1667
25	8.7	9.0Z	47 20.375	-0.0010	12	-43 16 56.09	-0.007	12	0.73	20.425	45	02.1	55.77	45	02.1		CZ	4900	P -43 1821
26	8.1	9.1H	47 22.037	-0.0039	12	-42 24 1.55	0.023	12	0.74	22.231	45	00.6	2.67	45	00.6	G5	CZ	4901	P -42 1670
27	9.3	9.3H	47 25.492	-0.0018	12	-40 46 35.32	0.005	12	0.85	25.585	63	99.2	35.59	57	99.2	A	CZ	4903	P -40 1791
28	8.8	8.8H	47 25.792	-0.0006	12	-46 29 44.02	-0.001	12	0.73	25.822	45	01.2	43.95	45	01.2	A0	CZ	4905	P -46 1792
29		6.6T	47 31.765	0.0010	12	-40 34 27.36	-0.001	09	0.61	31.735	18	99.5	27.30	19	92.9	B5	SC	10571	C -40 3512
30	9.8	9.9Z	47 35.226	-0.0024	12	-43 2 22.16	0.009	12	0.66	35.349	28	99.5	22.63	28	99.5		CZ	4906	P -42 1675
31	7.7	8.3H	47 36.181	0.0010	12	-43 57 46.89	-0.037	12	0.63	36.131	24	00.2	45.05	20	00.2	A0	CZ	4909	P -43 1824
32	8.6	8.9H	47 36.673	-0.0018	12	-48 39 13.04	-0.018	12	0.85	36.759	31	02.1	12.18	28	02.1	A0	CZ	4913	P -48 1300
33	8.1	7.9H	47 41.735	-0.0002	12	-40 7 44.72	-0.084	12	0.85	41.748	63	99.2	43.51	57	99.2	A	CZ	4907	P -39 1725
34		6.0T	47 42.463	-0.0006	12	-46 43 51.30	0.010	08	0.58	42.494	21	98.2	51.87	18	89.4	B2	SC	10575	C+-46 3460
35		4.2T	47 42.846	-0.0006	05	-46 14 47.17	0.005	04	0.24	42.876	09	01.7	47.40	09	97.2	B0	SC	10576K	C+-46 3458
36	8.8	9.0H	47 43.070	-0.0010	12	-42 33 11.26	-0.014	12	0.66	43.122	28	99.5	10.55	28	99.5	B9	CZ	4910	P -42 1679
37	9.3	9.4H	47 46.569	-0.0014	12	-47 33 46.76	0.005	12	0.73	46.656	45	01.6	47.00	45	01.6	A0	CZ	4917	P -47 1594
38	9.1	9.2Z	47 48.374	-0.0015	12	-46 15 1.03	0.012	12	0.73	48.448	45	01.2	1.61	45	01.2		CZ	4916	P -46 1799
39	9.1	8.8H	47 49.144	-0.0018	12	-41 49 37.25	0.003	12	0.73	49.237	45	99.2	37.40	45	99.2	A0	CZ	4911	P -41 1730
40		6.3T	47 53.497	-0.0051	12	-44 37 29.18	0.002	12	0.66	53.760	15	98.8	29.27	18	96.8	K0	SC	10583	C -44 3762
41	9.0	9.0Z	47 53.577	-0.0009	12	-46 13 2.13	0.019	12	0.73	53.622	45	01.2	3.04	45	01.2		CZ	4920	P -46 1803
42	9.8	9.2H	47 55.409	-0.0008	12	-47 32 10.19	0.008	12	0.73	55.448	45	01.6	10.57	45	01.6	A2	CZ	4921	P -47 1596
43	8.8	9.4H	48 2.535	-0.0015	12	-48 30 49.94	-0.000	12	0.71	2.604	45	03.6	49.92	45	03.6	B5	CZ	4924	P -48 1302
44	9.3	9.0Z	48 4.688	0.0005	12	-40 9 40.00	-0.073	12	0.85	4.665	63	99.2	36.31	57	99.2		CZ	4919	P -39 1733
45	6.8	7.1H	48 9.758	-0.0010	12	-40 47 14.11	0.007	12	0.85	9.810	63	99.2	14.47	57	99.2	B8	CZ	4922	P -40 1806
46	8.4	9.2H	48 11.760	-0.0020	12	-40 27 53.88	-0.006	12	0.85	11.884	63	99.2	53.59	57	99.2	A0	CZ	4923	P -40 1807
47	9.0	9.0H	48 15.986	-0.0084	12	-48 4 18.15	0.003	12	0.73	16.083	45	01.6	18.28	45	01.6	A2	CZ	4927	P -47 1604
48		8.2T	48 16.542	-0.0062	20	-42 1 5.88	-0.009	15	0.85	16.823	24	04.7	5.41	22	00.6	B9	SC	10595	C -41 3437
49	9.1	8.8H	48 17.099	-0.0011	08	-40 4 22.33	-0.021	08	0.21	17.115	15	36.2	22.04	21	36.2	F8	CB	3312	C -39 3689
50	9.8	9.5H	48 26.263	-0.0020	12	-41 34 12.77	0.000	12	0.67	26.369	28	98.3	12.79	28	98.3	A0	CZ	4926	P -41 1747
51	10.5	8.8H	7 48 30.048	-0.0019	13	-40 2 41.75	-0.008	13	0.26	30.074	15	36.2	41.64	21	36.2	K5	L CB	3317	C -39 3677
52		7.8T	48 33.487	-0.0022	17	-42 43 2.91	-0.010	13	0.77	33.569	24	03.3	2.39	21	98.9	G5	SC	10614	C -42 3585
53	9.4	9.2Z	48 37.276	-0.0019	12	-40 9 33.62	-0.006	12	0.85	37.374	63	99.2	33.33	57	99.2		CZ	4929	P -39 1786
54	9.4	9.6Z	48 38.242	-0.0018	12	-40 32 46.88	0.010	12	0.85	38.335	63	99.2	47.41	57	99.2		CZ	4931	P -40 1823
55	9.1	9.0Z	49 0.420	-0.0022	12	-42 7 3.91	-0.009	12	0.75	0.534	45	99.2	3.45	45	99.2		CZ	4932	P -41 1760
56	8.8	8.8H	49 0.615	0.0008	10	-40 0 4.47	-0.024	10	0.23	0.605	15	36.2	4.15	21	36.2	F5	CB	3322	C -39 3690
57	9.4	9.5Z	49 2.163	-0.0013	12	-44 25 59.95	0.013	12	0.73	2.225	45	02.1	0.57	45	02.1		CZ	4935	P -44 1924
58	7.5	8.4H	49 4.488	-0.0011	12	-48 9 38.93	-0.000	12	0.71	4.536	45	03.6	38.32	45	03.6	B5	CZ	4939	P -47 1611
59		8.4T	49 7.035	-0.0027	11	-44 27 5.71	0.020	09	0.57	7.176	18	98.3	6.86	19	91.4	K0	SC	10623	C -44 3780
60	9.3	10.2H	49 9.097	-0.0014	12	-42 29 20.94	0.002	12	0.74	9.169	45	00.6	21.03	45	00.6	A0	CZ	4937	P -42 1703
61	8.7	8.7H	49 9.692	-0.0012	12	-40 35 13.32	-0.041	12	0.85	9.755	63	99.2	11.26	57	99.2	F0	CZ	4936	P -40 1825
62		7.9T	49 13.717	-0.0048	18	-48 24 54.23	-0.026	16	0.83	13.939	19	03.6	53.00	19	02.1	A0	SC	10624	C -48 3244
63	8.2	9.0H	49 14.009	-0.0006	12	-46 11 53.38	0.010	12	0.73	14.099	45	01.2	53.86	45	01.2	A0	CZ	4941	P -46 1817
64		7.6T	49 20.394	-0.0022	18	-46 44 29.29	-0.004	13	0.75	20.489	24	06.5	29.13	24	03.5	F0	SC	10626	C -46 3487
65	10.2	9.7Z	49 23.002	0.0074	12	-49 36 16.19	-0.069	12	0.63	22.651	28	02.6	12.92	28	02.6		CZ	4945	P -49 1386
66	9.6	9.6H	49 30.238	-0.0016	12	-48 42 3.32	0.007	12	0.71	30.313	45	03.6	3.65	45	03.6	A0	CZ	4948	P -48 1311
67	8.5	9.2H	49 30.682	-0.0029	12	-42 49 39.46	-0.007	12	0.74	31.037	45	00.6	39.12	45	00.6	A0	CZ	4944	P -42 1711
68		7.5T	49 34.363	0.0013	12	-47 48 28.40	0.013	12	0.65	34.297	17	99.7	27.10	18	97.4	K0	SC	10633	C -47 3362
69		6.4T	49 41.954	0.0004	13	-42 57 58.71	-0.012	13	0.70	41.933	22	00.8	58.08	21	98.4	B3	SC	10637	C+-42 3601
70	8.4	8.5H	49 44.184	-0.0025	12	-43 38 42.71	0.007	12	0.73	44.304	45	02.1	43.05	45	02.1	A0	CZ	4950	P -43 1854
71		6.6T	49 44.189	0.0010	11	-47 5 14.88	0.005	09	0.57	44.136	21	97.2	15.14	19	91.2	B3	SC	10638	C -46 3491
72	9.1	9.5H	49 44.291	-0.0004	12	-40 11 13.55	0.002	12	0.66	44.313	28	97.7	13.67	28	97.7	A0	CZ	4946	P -39 1782
73	8.8	9.0Z	49 50.186	-0.0008	12	-43 14 30.46	-0.008	12	0.73	50.226	45	02.1	30.09	45	02.1		CZ	4951	P -43 1858
74	8.8	9.1H	49 51.745	-0.0005	12	-46 34 27.34	-0.012	12	0.66	51.769	31	00.2	28.73	28	00.2	A0	CZ	4953	P -46 1828
75	8.8	8.4H	49 55.684	-0.0000	12	-48 59 0.36	-0.018	12	0.65	55.694	31	02.1	-59.51	28	02.1	A0	CZ	4955	P -48 1314
76		6.2T	50 1.412	-0.0021	12	-42 45 32.00	0.002	12	0.65	1.519	18	98.7	32.10	17	96.9	B5	SC	10641	C+-42 3610
77	8.7	8.4H	50 4.504	-0.0053	12	-48 34 28.08	-0.021	12	0.71	4.750	45	03.6	25.09	45	03.6	F5	CZ	4959	P -48 1317
78	9.7	9.3H	50 14.091	-0.0005	12	-41 51 47.24	-0.020	12	0.67	14.119	28	98.3	46.20	28	98.3	F3	CZ	4956	P -41 1790
79	8.8	7.4H	50 19.884	-0.0015	12	-41 39 25.71	0.008	12	0.75	19.982	45	99.2	25.96	45	99.2	K2	CZ	4958	P -41 1792
80	9.8	9.8H	50 22.421	-0.0084	12	-48 37 3.02	0.013	12	0.71	22.532	45	03.6	3.80	45	03.6	F8	CZ	4964	P -48 1319
81		8.7T	50 27.719	-0.0089	18	-42 11 37.99	-0.007	18	0.88	27.849	24	05.1	37.65	24	04.8	B8	SC	10654	C -42 3617
82		3.8M	50 29.827	-0.0014	03	-40 28 45.27	0.000	02	0.10	29.876	05	15.9	45.28	05	16.1	G5	F4	301	C -40 3579
83		7.9T	50 34.418	-0.0018	09	-42 11 33.32	-0.006	08	0.41	34.495	14	08.1	33.02	14	03.7	B8	SC	10656	C -41 3486
84	9.3	9.8H	50 37.282	-0.0008	12	-49 7 12.19	-0.004	12	0.71	37.304	45	03.6	12.01	45	03.6	A2	CZ	4969	P -48 1321
85	8.3	8.3H	50 37.356	-0.0004	12	-48 44 18.43	0.001	12	0.71	37.379	45	03.6	18.48	45	03.6	B9	CZ	4968	P -48 1320
86	9.2	9.8H	50 41.435	0.0000	12	-45 36 20.22	-0.005	12	0.72	41.435	45	02.2	19.97	45	02.2	A0	CZ	4967	P -45 1824
87	8.7	9.0H	50 45.087	-0.0012	12	-42 32 7.19	-0.008	12	0.74	45.148	45	00.6	6.74	45	00.6	B9	CZ	4966	P -42 1740
88	9.0	8.5H	50 46.407	-0.0011	12	-49 58 11.56	0.007	12	0.71	46.457	45	03.6	11.88	45	03.6	G5	CZ	4974	P -49 1393
89	9.0	9.8H	50 47.930	-0.0022	12	-48 13 3.05	0.032	12	0.71	48.033	45	03.6	4.52	45	03.6	F8	CZ	4972	P -48 1322
90	8.9	9.0H	50 51.498	-0.0012	12	-48 33 18.89	-0.000	12	0.71	51.553	45	03.6	18.67	45	03.6	B9	CZ	4975	P -48 1323
91	9.5	9.8H	50 55.124	-0.0009	12	-44 42 6.41	0.018	12	0.66	55.169	31	00.7	7.30	28	00.7	A0	CZ	4971	P -44 1955
92	8.6	8.8H	50 55.145	-0.0018	12	-49 42 29.74	0.043	12	0.71	55.227	45	03.6	31.72	45	03.6	A2	CZ	4979	P -49 1384
93	9.1	9.0H	50 55.287	-0.0020	12	-47 5 52.76	0.047	12	0.65	55.367	28	00.2	55.09	28	00.2	G0	CZ	4976	P -46 1838
94	8.1	8.8H	50 56.756	-0.0012	12	-47 15 43.36	0.007	12	0.65	56.816	28	00.4	43.89	28	00.4	A0	CZ	4977	P -47 1833
95	9.3	9.9H	50 58.982	-0.0008	12	-40 28 4.70	-0.002	12	0.69	58.908	31	98.1	4.61	28	98.1	A0	CZ	4970	P -40 1865
96	9.5	10.2H	51 0.703	-0.0015	12	-48 15 28.65	-0.002	12	0.71	0.773	45	03.6	28.55	45	03.6	A0	CZ	4980	P -48 1325
97	8.7	9.8H	51 1.519	-0.0001	12	-46 20 40.38	0.005	12	0.69	1.525	36	00.8	40.62	36	00.8	B5	CZ	4978	P -46 1839
98	9.5	8.8H	51 4.549	-0.0033	12	-41 10 56.24	0.009	12	0.67	4.722	28	98.3	56.72	28	98.3	K0	CZ	4973	P -40 1868
99	8.8	9.8H	51 14.839	-0.0019	12	-42 23 23.06	-0.008	12	0.74	14.935	45	00.6	22.66	45	00.6	F8	CZ	4981	P -42 1753
00	8.2	9.0H	51 17.433	-0.0011	12	-47 54 1.52	-0.000	12	0.65	17.487	28	00.4	1.51	28	00.4	A0	CZ	4984	P -47 1641

219100

EPOCH 1950											ORIGINAL EPOCH						SP.	SOURCE		-40° 7H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					DM NUMBER
1	8.8E	10.5H	7 51 21.765	-0.0010	12	-44 4 26.14	0.005	12	0.68		21.814	36	01.4	26.38	36	01.4	A0	CZ	4983	P -43 1885
2	8.7E	9.0Z	51 24.119	-0.0002	12	-49 29 40.76	0.015	12	0.71		24.129	45	03.6	41.46	45	03.6		CZ	4988	P -49 1397
3	9.6E	9.0H	51 26.505	-0.0003	12	-43 50 58.37	-0.006	12	0.64		26.520	26	00.3	58.07	24	00.3	K5	CZ	4985	P -43 1887
4	9.6E	10.2H	51 27.669	-0.0004	12	-45 49 13.49	0.004	12	0.62		27.689	28	02.9	13.66	26	02.9	A0	CZ	4986	P -45 1835
5	8.0E	8.1H	51 37.416	-0.0004	12	-45 5 15.36	0.010	12	0.62		37.434	28	02.8	15.85	26	02.8	A0	CZ	4989	P -44 1966
6		4.8T	51 39.136	-0.0003	07	-49 28 55.75	0.015	05	0.30		39.147	14	08.7	56.47	12	01.8	B3	GC	10686	C*-49 3137
7	9.2E	9.5H	51 40.996	-0.0010	12	-40 8 6.54	-0.003	12	0.74		41.047	45	00.6	6.41	45	00.6	A0	CZ	4987	P -39 1808
8	9.5E	10.0H	51 45.385	-0.0013	12	-42 44 29.99	0.012	12	0.69		45.451	36	00.5	30.80	36	00.5	F2	CZ	4993	P -42 1765
9	9.1E	8.2H	51 47.542	-0.0003	12	-49 38 24.55	0.014	12	0.71		47.555	45	03.6	25.19	45	03.6	G5	CZ	4998	P -49 1399
10	9.7E	9.8H	51 49.618	-0.0022	12	-48 47 38.96	0.002	12	0.71		49.720	45	03.6	39.05	45	03.6	A0	CZ	4999	P -48 1333
11		4.3T	51 49.995	-0.0001	04	-47 58 18.20	0.000	04	0.23		49.999	09	02.3	18.22	07	99.0	B1	GC	10689	C*-47 3396
12	9.2E	9.8H	51 53.922	-0.0000	12	-46 50 4.65	-0.000	12	0.69		53.923	36	00.8	4.64	36	00.8	A0	CZ	4997	P -46 1858
13	9.1E	8.3H	51 55.921	-0.0010	12	-40 39 22.03	-0.001	12	0.74		55.972	45	00.6	21.99	45	00.6	K0	CZ	4994	P -40 1881
14	8.1E	9.6H	52 3.310	-0.0021	12	-42 32 45.62	-0.014	12	0.67		3.421	28	98.6	44.89	26	98.6	A0	CZ	5000	P -42 1771
15	9.0E	9.6H	52 10.655	0.0002	12	-44 38 21.64	0.009	12	0.65		10.647	36	04.4	22.05	36	04.4	A0	CZ	5002	P -44 1974
16	8.3E	8.9H	52 14.635	-0.0006	12	-40 51 7.74	-0.007	12	0.67		14.667	31	99.5	7.41	28	99.5	A0	CZ	5001	P -40 1886
17	8.5E	9.0H	52 15.537	-0.0013	12	-45 49 39.07	-0.007	12	0.65		15.597	36	04.5	38.74	36	04.5	A2	CZ	5007	P -45 1851
18	8.9E	9.4H	52 17.276	-0.0013	12	-44 44 30.02	-0.001	12	0.69		17.334	45	05.6	29.98	45	05.6	A0	CZ	5006	P -44 1976
19	7.6E	8.2H	52 18.654	-0.0047	12	-43 52 2.39	-0.003	12	0.66		18.889	28	99.7	2.25	26	99.7	F0	CZ	5005	P -43 1900
20	9.3E	10.5H	52 18.973	-0.0020	12	-42 21 52.24	0.003	12	0.75		19.076	45	99.6	52.39	45	99.6	B9	CZ	5003	P -42 1775
21	8.3E	9.1H	52 19.336	-0.0011	12	-48 39 45.84	-0.002	12	0.71		19.387	45	03.6	45.75	45	03.6	B8	CZ	5009	P -48 1337
22		6.9T	52 20.816	-0.0010	15	-41 34 15.53	0.002	12	0.67		20.867	18	99.0	15.61	18	97.2	B9	GC	10696	C -41 3520
23	8.8E	9.2H	52 25.331	-0.0021	12	-45 30 40.71	0.008	12	0.69		25.422	45	05.7	41.05	45	05.7	A0	CZ	5008	P -45 1856
24	9.9E	9.6H	52 28.406	-0.0018	12	-48 21 44.53	-0.000	12	0.64		28.493	31	02.1	44.51	28	02.1	A0	CZ	5016	P -48 1338
25	8.0E	8.1H	52 34.870	0.0002	12	-45 9 43.00	0.014	12	0.63		34.859	31	03.1	43.64	28	03.1	B9	CZ	5015	P -44 1985
26	9.8E	9.9H	52 35.761	-0.0017	12	-42 2 43.51	0.009	12	0.74		35.847	45	00.6	43.95	45	00.6	F2	CZ	5010	P -41 1840
27	9.9E	9.7Z	52 37.672	-0.0014	12	-49 38 0.65	0.006	12	0.71		37.736	45	03.6	0.92	45	03.6		CZ	5019	P -49 1409
28	8.3E	8.6H	52 38.989	-0.0013	12	-40 43 31.06	0.002	12	0.83		39.053	63	02.1	31.17	57	02.1	A0	CZ	5011	P -40 1894
29	8.5E	8.4H	52 40.029	-0.0002	12	-42 56 39.88	-0.039	12	0.75		40.040	45	99.6	37.93	45	99.6	K0	CZ	5017	P -42 1783
30	9.7E	8.9H	52 41.015	-0.0025	12	-40 35 25.45	0.007	12	0.83		41.136	63	02.1	25.81	57	02.1	K0	CZ	5012	P -40 1895
31		7.1T	52 45.897	-0.0009	12	-41 31 30.98	-0.030	11	0.66		45.943	22	99.5	29.32	19	95.5	K0	GC	10708	C -41 3527
32		8.8T	52 52.095	-0.0024	17	-47 10 28.51	-0.006	13	0.77		52.207	22	03.3	28.25	21	98.8	A0	GC	10711	C -46 3555
33	8.5E	7.5H	52 55.153	-0.0020	12	-42 20 23.68	-0.007	12	0.67		55.257	28	98.6	23.31	26	98.6	K2	CZ	5020	P -42 1787
34	9.1E	10.9H	53 1.215	-0.0017	12	-43 56 44.47	-0.002	12	0.73		1.298	45	01.1	44.38	45	01.1	A0	CZ	5022	P -43 1915
35	8.4E	8.9H	53 3.965	-0.0002	12	-49 33 10.47	0.009	12	0.71		3.973	45	03.6	10.89	45	03.6	B8	CZ	5028	P -49 1416
36		7.2T	53 8.260	-0.0017	11	-44 13 22.61	0.009	08	0.41		8.327	18	11.7	22.99	17	06.6	B9	GC	10721	C -44 3847
37		8.0T	53 11.121	-0.0004	22	-44 14 43.29	-0.016	20	0.96		11.140	24	06.3	42.56	24	05.0	B9	GC	10722	C -44 3848
38	8.9E	10.0H	53 13.505	-0.0014	12	-43 58 36.39	0.018	12	0.73		13.573	45	01.1	37.27	45	01.1	F5	CZ	5026	P -43 1920
39	9.1E	9.1H	53 15.332	-0.0035	12	-47 21 49.67	-0.007	12	0.73		15.502	45	01.6	49.32	45	01.6	G0	CZ	5030	P -47 1660
40		7.3T	53 16.612	-0.0015	13	-45 31 53.11	-0.012	12	0.68		16.687	18	00.4	52.51	21	98.0	A0	GC	10724	C -45 3558
41	9.3E	9.8H	53 21.462	-0.0011	12	-44 50 3.20	0.007	12	0.69		21.512	45	05.6	3.51	45	05.6	A	CZ	5031	P -44 2000
42	9.9E	9.6H	53 24.135	-0.0119	12	-49 42 24.33	0.257	12	0.71		24.686	45	03.6	36.24	45	03.6	K0	CZ	5038	P -49 1420
43	8.3E	8.5H	53 26.833	-0.0001	12	-49 33 6.91	0.024	12	0.64		26.836	31	02.1	8.06	28	02.1	B9	CZ	5039	P -49 1421
44	8.5E	10.5H	53 33.601	-0.0010	12	-43 44 34.08	-0.005	12	0.73		33.650	45	01.1	33.84	45	01.1	A2	CZ	5034	P -43 1925
45	8.4E	9.2H	53 34.507	-0.0027	12	-42 24 59.10	0.019	12	0.75		34.646	45	99.6	+ 0.05	45	99.6	A0	CZ	5033	P -42 1805
46	8.2E	7.5H	53 37.074	-0.0104	12	-41 42 0.16	0.175	12	0.74		37.589	45	00.6	8.79	45	00.6	G0	CZ	5035D	P*-41 1854
47	8.7E	9.6H	53 39.142	-0.0012	12	-42 29 11.05	-0.010	12	0.75		39.204	45	99.6	10.55	45	99.6	A3	CZ	5037	P -42 1806
48	9.8E	9.4H	53 48.246	0.0002	12	-48 30 21.21	-0.027	12	0.71		48.236	45	03.6	19.93	45	03.6	F8	CZ	5043	P -48 1346
49	9.9E	9.9H	53 51.408	0.0005	12	-41 15 17.55	-0.018	12	0.66		51.384	28	99.2	16.65	26	99.2	G0	CZ	5041	P -41 1859
50		7.3T	53 53.639	-0.0011	11	-47 10 46.79	-0.009	10	0.62		53.699	18	95.0	46.30	15	92.5	K5	GC	10737	C -46 3572
51	9.0E	8.0H	7 53 53.917	-0.0013	12	-46 31 57.04	-0.004	12	0.66		53.982	31	00.2	56.83	28	00.2	K0	CZ	5044	P -46 1894
52	9.8E	10.1H	53 59.452	-0.0016	12	-41 57 6.27	0.003	12	0.66		59.535	28	99.2	6.41	26	99.2	A2	CZ	5042	P -41 1861
53		7.5T	54 0.847	0.0001	16	-43 38 47.24	-0.006	14	0.76		0.844	24	03.0	46.93	22	00.9	K0	GC	10739K	C -43 3734
54	9.9E	11.9H	54 1.167	0.0002	12	-43 52 52.76	-0.034	12	0.73		1.157	45	01.1	51.10	45	01.1	K0	CZ	5046D	P -43 1936
55	8.5E	9.8H	54 3.714	-0.0015	12	-42 42 3.03	0.009	12	0.75		3.792	45	99.6	3.49	45	99.6	A0	CZ	5048	P -42 1818
56	9.3E	9.8H	54 7.429	-0.0016	12	-44 38 24.28	0.006	12	0.69		7.501	45	05.6	24.55	45	05.6	A0	CZ	5050	P -44 2018
57		6.0T	54 8.966	-0.0017	11	-43 42 40.16	0.001	10	0.60		9.054	21	99.2	40.19	21	95.6	B5	GC	10741K	C*-43 3737
58		6.7T	54 16.797	-0.0033	14	-45 50 45.37	0.015	12	0.70		16.960	19	00.7	46.13	18	98.1	B5	GC	10746	C -45 3574
59	9.5E	10.9H	54 17.700	-0.0004	12	-43 3 28.45	-0.003	12	0.75		17.722	45	99.6	28.31	45	99.6	B9	CZ	5052	P -42 1831
60	8.5E	9.3H	54 19.350	-0.0022	12	-41 47 12.25	0.009	12	0.74		19.461	45	00.6	12.68	45	00.6	F2	CZ	5051	P -41 1869
61	7.5E	7.7H	54 19.697	0.0000	12	-44 29 11.35	0.008	12	0.63		19.696	31	03.1	11.73	28	03.1	B8	CZ	5053	P -44 2019
62	9.2E	9.4H	54 26.166	-0.0015	12	-44 46 44.06	0.002	12	0.69		26.233	45	05.6	44.16	45	05.6	A0	CZ	5057	P -44 2021
63	9.5E	9.5H	54 28.522	0.0001	12	-41 46 35.17	-0.006	12	0.74		28.519	45	00.6	34.86	45	00.6	A5	CZ	5055	P -41 1872
64	8.6E	10.5H	54 32.939	-0.0013	12	-43 28 6.19	-0.008	12	0.73		33.004	45	01.1	5.81	45	01.1	B9	CZ	5059	P -43 1946
65	8.7E	9.2H	54 35.998	-0.0006	12	-43 5 23.48	-0.004	12	0.67		36.030	28	98.6	23.28	26	98.6	A2	CZ	5061	P -42 1844
66	8.9E	10.2H	54 36.484	-0.0013	12	-44 7 26.44	-0.003	12	0.73		36.548	45	01.1	26.23	45	01.1	A3	CZ	5063	P -43 1949
67	8.5E	9.0H	54 37.948	-0.0032	12	-48 51 58.18	0.004	12	0.65		38.102	31	02.1	58.38	28	02.1	A0	CZ	5068	P -48 1351
68		8.6T	54 38.569	-0.0066	16	-47 10 55.61	-0.009	11	0.71		38.880	22	02.8	55.16	21	97.4	A0	GC	10752	C -46 3588
69		6.3T	54 40.767	0.0011	12	-40 36 6.54	-0.004	11	0.63		40.712	21	99.7	6.32	18	95.4	B2	GC	10753	C*-40 3655
70	9.6E	8.9H	54 42.821	-0.0014	12	-40 26 51.58	0.019	12	0.83		42.890	63	02.1	52.51	57	02.1	K0	CZ	5062	P -40 1926
71	9.1E	10.1H	54 43.939	-0.0009	12	-41 50 20.46	-0.004	12	0.74		43.986	45	00.6	20.26	45	00.6	A0	CZ	5064	P -41 1880
72	9.5E	8.9H	54 46.975	-0.0017	12	-41 47 7.25	-0.006	12	0.74		47.061	45	00.6	6.95	45	00.6	G5	CZ	5065	P -41 1882
73	8.8E	8.9H	54 48.821	0.0009	12	-48 6 36.22	-0.019	12	0.73		48.778	45	01.6	35.29	45	01.6	G0	CZ	5071	P -47 1686
74	8.5E	9.4H	54 52.527	-0.0030	12	-42 34 55.22	-0.009	12	0.75		52.680	45	99.6	54.76	45	99.6	A2	CZ	5070	P -42 1852
75	9.9E	9.5H	54 52.629	-0.0015	12	-41 21 2.47	0.006	12	0.74		52.705	45	00.6	2.78	45	00.6	K2	CZ	5067	P -41 1885
76	9.9E	9.2H	54 54.383	-0.0014	12	-41 37 22.19	-0.006	12	0.74		54.455	45	00.6	21.91	45	00.6	K0	CZ	5069	P -41 1886
77	10.0E	7.6H	54 56.505	0.0007	12	-49 50 49.75	0.004	12	0.71		56.471	45	03.6	49.93	45	03.6	N8	CZ	5075	P -49 1432
78	8.8E	10.0H	55 0.050	-0.0014	12	-43 8 36.68	0.015	12	0.73		0.120	45	01.1	37.42	45	01.1	A0	CZ	5072	P -42 1855
79	8.8E	9.1H	55 6.044	-0.0012	12	-49 2 49.00	0.010	12	0.71		6.100	45	03.6	49.47	45	03.6	G0	CZ	5082	P -48 1359
80	9.5E	10.0H	55 8.947	-0.0022	12	-46 20 32.49	0.007	12	0.73		9.055	45	01.2	32.82	45	01.2	B8	CZ	5080	P -46 1924
81	9.9E	10.5H	55 9.948	-0.0023	12	-48 18 49.41	0.023	12	0.71		10.055	45	03.6	50.46	45	03.6	A2	CZ	5086	P -48 1360
82	9.1E	10.5H	55 12.820	-0.0022	12	-42 54 12.64	0.019	12	0.67		12.936	28	98.5	13.63	26	98.5	K0	CZ	5076	P -42 1858
83	9.3E	10.2H	55 14.880	-0.0015	12	-43 7 12.11	-0.005	12	0.75		14.958	45	99.6	11.87	45	99.6	A0	CZ	5078	P -42 1860
84	8.7E	8.5H	55 15.244	-0.0021	12	-45 54 41.46	0.005	12	0.69		15.337	45	05.7	41.67	45	05.7	+++	CZ	5085	P*-45 1897
85	8.0E	8.0H	55 17.210	-0.0018	12	-41 3 40.66	-0.003	12	0.83		17.298	63	02.1	40.54	57	02.1	B8	CZ	5077	P -40 1942
86		6.0T	55 17.261	0.0020	12	-42 16 17.02	0.021	11	0.65		17.156	21	97.2	18.15	19	95.1	K2	GC	10763	C -42 3717
87		8.7T	55 17.306	-0.0031	13	-47 20 2.51	-0.022	10	0.63		17.460	19	00.3	1.36	18	96.8	A0	GC	10764	C -47 3442
88	8.1E	7.9H	55 18.579	-0.0007	12	-41 30 26.33	-0.006	12	0.74		18.615	45	00.6	26.05	45	00.6	A0	CZ	5081	P -41 1894
89		5.4T	55 19.432	-0.0005	10	-43 21 55.28	0.011	09	0.38		19.450	14	12.5	55.72	14	09.3	B3	GC	10765	C*-43 3758
90	9.3E	8.8H	55 21.402	-0.0038	12	-48 30 38.68	0.057	12	0.71		21.578	45	03.6	41.30	45	03.6	K0	CZ	5090	P -48 1362
91	8.5E	8.8H	55 21.855	-0.0017	12	-42 14 43.12	0.006	12	0.75		21.943	45	99.6	43.41	45	99.6	A0	CZ	5084	P -42 1864
92	10.0E	9.5H	55 27.148	-0.0021	12	-40 13 9.63	0.006	12	0.83		27.250	63	02.1	9.93	57	02.1	B9	CZ	5087	P -40 1946
93		7.0T	55 29.412	-0.0046	13	-43 20 55.38	-0.021	12	0.69		29.638	18	00.7	54.26	21	97.3	G5	GC	10769	C -43 3760
94		6.9T	55 33.081	-0.0007	12	-49 7 47.93	-0.011	10	0.61		33.114	22	99.9	47.32	21	95.3	K0	GC	10771	C -48 3334
95	9.1E	9.4H	55 36.361	-0.0010	12	-45 26 0.32	0.004	12	0.69		36.404	45	05.7	0.49	45	05.7	A0	CZ	5093	P -45 1904
96	9.3E	10.0H	55 39.370	-0.0010	12	-43 28 6.24	-0.004	12	0.73		39.421	45	01.1	6.05	45	01.1	A0	CZ	5092	P -43 1972
97		5.1T	55 41.224	-0.0002	06	-43 58 27.87	0.007	05	0.28		41.234	12	08.3	28.19	12	02.1	B3	GC	10775K	C*-43 3766
98	9.6E	10.3H	55 42.438	-0.0015	12	-41 10 31.74	0.000	12	0.74		42.514	45	00.6	31.75	45	00.6	A2	CZ	5091	P -40 1950
99	9.1E	9.8H	55 45.161	-0.0002	12	-46 57 50.17	-0.014	12	0.64		45.171	28	01.4	49.48	26	01.4	A0	CZ	5097	P -46 1938
00		6.1T	55 50.742	-0.0025	14	-47 45 17.78	0.013	12	0.69		50.861	19	01.7	18.46	18	99.2	B5	GC	10778K	C*-47 3457

219200			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-40° 7H	
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1	8.4E	9.1H	7 55	53.165	-0.0023	12	-43 7	48.26	-0.007	12	0.75	53.282	45	99.6	47.92	45	99.6	F2	CZ	5098	P -42 1874
2	9.4E	9.9H	55	55.304	-0.0019	12	-41 26	9.33	-0.001	12	0.74	55.400	45	00.6	9.29	45	00.6	G5	CZ	5096	P -41 1906
3		7.1T	55	55.326	0.0002	17	-46 11	28.21	-0.015	18	0.84	55.317	24	04.5	27.15	24	04.5	B5	GC	10782	C -45 3603
4	9.3E	8.3H	55	58.470	-0.0019	12	-41 8	15.60	-0.011	12	0.74	58.565	45	00.6	15.08	45	00.6	MA	CZ	5099	P -40 1953
5	9.7E	10.2H	56	1.560	-0.0009	12	-49 21	23.60	0.003	12	0.70	1.602	45	04.2	23.74	45	04.2	A0	CZ	5109	P -49 1436
6	8.9E	10.3H	56	2.128	-0.0011	12	-43 20	17.28	-0.006	12	0.73	2.183	45	01.1	17.00	45	01.1	A	CZ	5103	P -43 1985
7	7.6E	9.2H	56	3.910	-0.0003	12	-43 21	50.54	0.007	12	0.66	3.927	28	99.4	50.91	28	99.4	B9	CZ	5104	P -43 1987
8	8.2E	7.3H	56	4.875	-0.0014	12	-41 23	58.67	-0.024	12	0.74	4.946	45	00.6	57.50	45	00.6	K0	CZ	5102	P -41 1912
9		7.4T	56	5.916	-0.0000	17	-46 27	26.20	0.022	12	0.76	5.917	19	01.6	27.36	18	98.0	B5	GC	10787	C -46 3616
10		6.5T	56	11.194	0.0031	15	-40 38	55.06	-0.026	13	0.72	11.045	18	01.7	53.74	19	99.0	K0	GC	10789	C -40 3691
11	9.5E	9.6H	56	11.970	-0.0009	12	-45 52	47.61	0.011	12	0.64	12.011	36	09.5	48.09	36	05.5	A5	CZ	5111	P -45 1916
12	7.3E	7.9H	56	12.544	-0.0011	12	-41 30	18.67	0.009	12	0.74	12.601	45	00.6	19.09	45	00.6	B5	CZ	5106	P -41 1919
13	7.6E	9.8H	56	13.126	-0.0016	12	-44 6	35.06	0.004	12	0.69	13.205	36	00.1	35.27	36	00.1	A0	CZ	5110	P -43 1997
14	9.1E	9.6H	56	13.754	-0.0017	12	-46 10	24.20	0.001	12	0.67	13.835	36	02.5	24.24	36	02.5	A0	CZ	5113	P -45 1918
15	10.1E	10.0H	56	13.801	-0.0019	12	-49 25	28.12	0.015	12	0.64	13.892	31	02.5	28.83	28	02.5	A0	CZ	5116	P -49 1438
16	9.3E	10.3H	56	15.798	-0.0019	12	-41 24	28.33	-0.003	12	0.74	15.893	45	00.6	28.20	45	00.6	B8	CZ	5108	P -41 1924
17	9.4E	10.2H	56	17.161	-0.0018	12	-44 8	40.23	0.002	12	0.67	17.246	36	03.1	40.32	36	03.1	A2	CZ	5112	P -43 1999
18		5.2T	56	17.441	-0.0012	07	-45 26	31.19	0.019	05	0.28	17.484	12	13.3	32.00	12	08.1	K5	GC	10790	C* -45 3611
19	9.5E	10.3H	56	25.670	-0.0034	12	-43 44	40.85	0.024	12	0.69	25.840	36	00.1	42.05	36	00.1	G5	CZ	5115	P -43 2006
20	9.9E	10.0H	56	30.921	-0.0027	12	-42 41	7.95	-0.007	12	0.66	31.059	28	99.2	7.60	28	99.2	F5	CZ	5117	P -42 1885
21	8.4E	10.2H	56	32.823	-0.0012	12	-43 19	14.80	0.007	12	0.69	32.884	36	00.1	15.16	36	00.1	B9	CZ	5118	P -43 2010
22	8.4E	9.1H	56	34.056	-0.0018	12	-48 53	1.74	0.007	12	0.63	34.142	36	02.3	2.08	36	02.3	A0	CZ	5121	P -48 1372
23	8.1E	8.8H	56	34.815	-0.0025	12	-43 9	46.17	-0.002	12	0.69	34.942	36	00.1	46.06	36	00.1	K0	CZ	5119	P -42 1887
24	9.3E	9.6H	56	45.577	-0.0014	12	-49 21	10.47	0.006	12	0.70	45.642	45	04.2	10.74	45	04.2	F2	CZ	5125	P -49 1440
25	8.6E	10.0H	56	46.012	-0.0012	12	-43 42	1.59	0.009	12	0.69	46.072	36	00.1	2.04	36	00.1	B9	CZ	5122	P -43 2017
26		4.1I	56	48.105	-0.0016	07	-49 6	30.45	0.007	05	0.29	48.167	14	10.1	30.76	12	03.5	B1P	GC	10802DV	C* -48 3349
27	8.7E	8.7H	56	48.601	-0.0014	12	-45 10	40.34	0.001	12	0.64	48.662	36	05.5	40.38	36	05.5	F0	CZ	5124	P -44 2058
28	9.3E	10.0H	56	50.523	-0.0018	12	-49 5	59.81	0.007	12	0.66	50.608	36	03.4	+ 0.14	36	03.4		CZ	5128	P -48 1373
29	9.3E	9.8H	56	52.693	-0.0010	12	-43 3	3.19	0.012	12	0.69	52.744	36	00.1	3.80	36	00.1	K0	CZ	5123	P -42 1896
30	8.0E	8.2H	57	0.267	-0.0005	12	-47 15	19.87	-0.012	12	0.68	0.312	36	02.1	19.28	36	02.1	B9	CZ	5131	P -47 1726
31	9.3E	9.6H	57	2.258	-0.0021	12	-44 22	18.03	0.010	12	0.63	2.359	28	01.9	18.51	28	01.9	B9	CZ	5129	P -44 2061
32	9.0E	9.1H	57	5.847	-0.0017	12	-40 12	21.67	0.005	12	0.83	5.929	63	02.1	21.93	57	02.1	B5	CZ	5126	P -40 1971
33	9.4E	9.9H	57	6.885	-0.0030	12	-41 59	29.60	-0.014	12	0.65	7.037	28	00.1	28.90	28	00.1	A0	CZ	5130	P -41 1958
34	9.0E	8.7H	57	15.160	-0.0047	12	-40 45	52.75	0.056	12	0.83	15.386	63	02.1	55.45	57	02.1	G5	CZ	5132	P -40 1976
35	8.3E	8.5H	57	16.509	-0.0018	12	-48 0	12.47	-0.007	12	0.64	16.597	28	01.1	12.11	28	01.1	B9	CZ	5138	P -47 1734
36	8.9E	9.2Z	57	19.346	-0.0001	12	-45 2	56.01	0.024	12	0.71	19.349	45	03.6	57.14	45	03.6		CZ	5136	P -44 2065
37		7.0T	57	20.444	0.0000	20	-47 32	43.18	0.020	16	0.86	20.443	19	03.8	44.14	22	02.6	B8	GC	10816K	C* -47 3480
38		8.4T	57	24.726	0.0023	22	-41 27	11.96	0.224	17	0.95	24.620	19	03.6	22.58	19	02.6	G5	GC	10819	C -41 3606
39	9.6E	9.5Z	57	25.891	-0.0007	12	-41 26	14.48	-0.011	12	0.73	25.926	45	01.6	13.96	45	01.6		CZ	5135	P -41 1944
40		6.0T	57	26.493	-0.0016	15	-45 4	43.18	-0.005	13	0.73	26.569	22	01.9	42.95	21	98.4	B5	GC	10820	C* -44 3920
41	8.2E	8.6H	57	27.754	-0.0009	12	-43 30	39.61	-0.007	12	0.75	27.801	45	99.1	39.26	45	99.1	G0	CZ	5139	P -43 2029
42	9.1E	8.3H	57	28.472	-0.0013	12	-40 19	24.86	-0.008	12	0.66	28.540	28	99.2	24.47	28	99.2	G5	CZ	5137	P -40 1982
43		6.7T	57	30.710	-0.0084	16	-47 0	13.32	-0.007	12	0.70	30.819	24	04.5	12.99	22	99.8	G5	GC	10823	C -46 3643
44		6.9T	57	32.238	-0.0005	12	-48 14	19.95	0.007	12	0.65	32.262	19	99.7	20.33	18	98.8	B3	GC	10824	C -48 3361
45	9.7E	9.3H	57	34.250	-0.0027	12	-41 44	8.89	0.009	12	0.73	34.383	45	01.6	9.32	45	01.6	K0	CZ	5142	P -41 1951
46	8.3E	8.5Z	57	35.897	-0.0014	12	-49 2	27.07	-0.012	12	0.71	35.962	45	03.6	26.52	45	03.6		CZ	5147	P -48 1379
47	9.3E	7.8H	57	45.421	-0.0027	12	-41 48	10.43	0.027	12	0.73	45.554	45	01.6	11.73	45	01.6	K0	CZ	5145	P -41 1956
48	8.1E	8.9H	57	46.521	-0.0024	12	-41 21	20.65	0.004	12	0.70	46.731	45	04.2	20.81	45	04.2	B9	CZ	5151	P -48 1381
49		6.4T	57	47.570	-0.0005	07	-49 50	21.54	0.014	07	0.33	47.589	12	12.1	22.11	14	07.8	B3	GC	10832K	C* -49 3243
50		6.6T	57	48.736	-0.0013	10	-49 50	10.48	0.012	12	0.59	48.801	19	00.4	11.05	18	00.2	B3	GC	10834K	C* -49 3244
51		9.9T	7 57	49.728	0.0006	37	-48 37	40.87	-0.099	20	1.25	49.702	26	09.3	36.67	26	07.7	A7	GC	10837	C -48 3367
52		7.5T	57	50.503	-0.0036	22	-40 36	54.40	0.005	15	0.87	50.656	24	07.5	54.64	22	02.5	A2	GC	10839	C -40 3722
53	9.1E	9.6H	57	51.461	-0.0025	12	-46 59	31.92	-0.002	12	0.72	51.580	45	02.7	31.82	45	02.7	A0	CZ	5150	P -46 1976
54	8.9E	9.8H	57	55.340	-0.0005	12	-48 9	38.49	-0.015	12	0.71	55.364	45	03.6	37.78	45	03.6	A0	CZ	5155	P -47 1740
55	8.3E	8.9H	57	56.252	-0.0005	12	-48 58	55.55	0.014	12	0.71	56.275	45	03.6	56.20	45	03.6	B9	CZ	5159	P -48 1384
56	9.6E	8.9H	57	56.623	-0.0006	12	-40 21	14.91	-0.016	12	0.83	56.654	63	02.1	14.16	57	02.1	K0	CZ	5148	P -40 1989
57	8.2E	9.6H	57	56.672	-0.0016	12	-43 39	31.53	0.008	12	0.75	56.753	45	99.1	31.93	45	99.1	B9	CZ	5149	P -43 2035
58	9.7E	9.4H	57	56.791	-0.0012	12	-49 46	52.49	-0.014	12	0.64	56.846	31	02.5	51.82	28	02.5	F2	CZ	5160	P -49 1450
59	8.3E	9.1H	57	58.877	-0.0140	12	-43 9	50.70	0.229	12	0.75	59.591	45	99.1	+ 2.36	45	99.1	G5	CZ	5152	P -42 1916
60	9.5E	9.8H	58	3.960	-0.0023	12	-44 20	40.06	0.008	12	0.71	4.067	45	03.6	40.43	45	03.6	A2	CZ	5156	P -44 2078
61	8.5E	8.8H	58	10.212	-0.0021	12	-48 12	55.39	-0.014	12	0.71	10.309	45	03.6	54.73	45	03.6	F8	CZ	5165	P -48 1389
62	7.7E	8.5H	58	12.696	-0.0013	12	-43 17	9.04	0.001	12	0.67	12.765	28	98.2	9.11	26	98.2	A0	CZ	5161	P -43 2045
63	8.2E	7.9H	58	12.953	-0.0013	12	-48 8	30.24	-0.004	12	0.82	13.014	63	03.0	29.10	57	03.0	G0	CZ	5168	P -47 1745
64	8.8E	9.5Z	58	14.441	-0.0026	12	-47 9	27.83	-0.017	12	0.73	14.567	45	01.6	26.99	45	01.6		CZ	5166	P -46 1982
65		6.7T	58	14.869	-0.0022	15	-47 9	56.00	0.005	11	0.68	14.976	19	01.4	56.24	18	96.9	B9	GC	10858K	C* -46 3655
66	8.6E	7.8H	58	16.441	-0.0020	12	-41 33	53.85	-0.074	12	0.73	16.535	45	01.6	50.28	45	01.6	F8	CZ	5162	P -41 1962
67	8.6E	8.4H	58	20.703	0.0017	12	-46 1	43.48	-0.076	12	0.62	20.626	31	04.1	39.98	28	04.1	G0	CZ	5169	P -45 1972
68		7.1T	58	27.159	-0.0006	20	-44 53	14.60	0.010	16	0.88	27.169	17	02.2	15.08	19	01.0	B8	GC	10861	C -44 3936
69	9.2E	8.3H	58	31.320	-0.0026	12	-40 28	1.56	0.004	12	0.83	31.436	63	02.1	1.78	57	02.1	K2	CZ	5170	P -40 1995
70	10.0E	10.2H	58	31.623	-0.0020	12	-49 38	29.00	-0.006	12	0.70	31.714	45	04.2	28.71	45	04.2	A5	CZ	5179	P -49 1453
71	8.1E	9.1H	58	32.994	-0.0018	12	-44 30	52.56	-0.006	12	0.71	33.077	45	03.6	52.27	45	03.6	B8	CZ	5173	P -44 2087
72	9.1E	9.4H	58	35.573	-0.0036	12	-47 57	47.65	0.002	12	0.73	35.747	45	01.6	47.73	45	01.6	G5	CZ	5180	P -47 1754
73	9.7E	10.8H	58	36.773	-0.0010	12	-41 29	59.46	-0.021	12	0.73	36.823	45	01.6	58.47	45	01.6	A2	CZ	5172	P -41 1974
74		7.5T	58	38.134	-0.0023	13	-48 46	1.21	0.007	11	0.66	38.245	22	00.9	1.58	19	94.9	A0	GC	10867	C -48 3381
75	8.4E	9.6H	58	38.533	-0.0005	12	-46 22	45.91	-0.001	12	0.72	38.557	45	02.7	45.85	45	02.7	A0	CZ	5178	P -46 1993
76	8.0E	7.4H	58	40.995	-0.0060	12	-45 39	21.08	0.065	12	0.68	41.252	45	07.1	23.86	45	07.1	G5	CZ	5181	P -45 1982
77	9.2E	9.7H	58	41.871	-0.0025	12	-40 46	0.31	0.011	12	0.83	41.992	63	02.1	0.85	57	02.1	B9	CZ	5174	P -40 1998
78	7.9E	8.1H	58	41.939	-0.0009	12	-42 8	11.03	-0.004	12	0.84	41.985	63	01.1	10.83	57	01.1	A	CZ	5175	P -41 1975
79	8.6E	9.3H	58	42.265	-0.0024	12	-42 6	37.18	0.006	12	0.73	42.383	45	01.6	37.46	45	01.6	A	CZ	5176	P -41 1976
80		6.5T	58	44.592	0.0002	13	-45 19	5.98	0.000	12	0.68	44.581	21	99.3	6.00	19	96.1	K0	GC	10872	C -45 3662
81	9.5E	10.5H	58	44.788	-0.0005	12	-47 38	30.63	-0.011	12	0.73	44.812	45	01.6	30.08	45	01.6	A0	CZ	5185	P -47 1756
82	9.8E	9.9H	58	45.118	-0.0013	12	-41 31	18.70	-0.023	12	0.73	45.183	45	01.6	17.60	45	01.6	F0	CZ	5177	P -41 1977
83		6.1T	58	47.650	-0.0021	11	-48 50	35.56	0.046	08	0.56	47.758	21	97.2	38.31	19	90.0	A2	GC	10875	C -48 3384
84	9.1E	8.8Z	58	52.777	-0.0017	12	-48 46	44.09	0.004	12	0.71	52.856	45	03.6	44.28	45	03.6		CZ	5192	P -48 1398
85	9.3E	9.6H	58	53.392	-0.0020	12	-48 57	51.11	0.009	12	0.71	53.485	45	03.6	51.53	45	03.6	B8	CZ	5193	P -48 1399
86	9.0E	9.6H	58	53.925	-0.0019	12	-42 46	23.68	0.006	12	0.74	54.018	45	00.6	23.99	45	00.6	B9	CZ	5184	P -42 1933
87	7.1	7.4W	58	56.850	-0.0010	13	-40 3	27.50	0.010	13	0.26	56.864	15	36.2	27.64	21	36.2	A0	C8	3406	C -39 3683
88	9.7E	8.2H	58	57.562	-0.0016	12	-49 55	39.55	0.014	12	0.70	57.643	45	04.2	40.18	45	04.2	K2	CZ	5198	P -49 1454
89	9.3E	9.4H	58	58.036	-0.0021	12	-42 16	34.42	-0.005	12	0.74	58.142	45	00.6	34.16	45	00.6	G5	CZ	5186	P -42 1934
90	7.4E	7.4H	59	0.107	-0.0016	12	-45 11	51.94	0.023	12	0.68	0.177	45	07.1	52.93	45	07.1	B9	CZ	5191	P -44 2101
91	9.2E	9.4H	59	0.349	-0.0008	12	-44 31	1.90	-0.004	12	0.71	0.386	45	03.6	1.70	45	03.6	F2	CZ	5190	P -44 2100
92		6.2T	59	1.344	-0.0019	14	-48 43	57.56	0.011	10	0.65	1.435	19	00.7	58.14	18	96.2	A0P	GC	10878	C -48 3388
93	9.6E	10.6H	59	3.692	-0.0009	12	-40 32	39.90	-0.004	12	0.83	3.737	63	02.1	39.73	57	02.1	B9	CZ	5187	P -40 2004
94	8.6E	7.9H	59	5.994	0.0010	12	-40 23	16.60	-0.017	12	0.66	5.946	28	99.2	15.76	26	99.2	K0	CZ	5189	P -40 2005
95	8.3E	8.3H	59	7.450	-0.0027	12	-42 10	33.53	-0.031	12	0.66	7.588	28	99.4	31.96	26	99.4	F5	CZ	5194	P -41 1989
96	9.3E	9.4H	59	8.965	-0.0009	12	-45 40	8.67	0.006	12	0.68	9.004	45	07.1	8.91	45	07.1	A0	CZ	5201	P -45 1993
97	7.8E	9.0H	59	10.394	-0.0018	12	-43 40	39.79	0.008	12	0.75	10.485	45	99.1	40.21	45	99.1	B9	CZ	5197	P -43 2066
98	8.3E	8.1H	59	13.155	-0.0014	12	-40 25	52.12	0.031	12	0.83	13.224	63	02.1	53.62	57	02.1	G0	CZ	5195D	P* -40 2009
99	7.2E	8.2H	59	13.948	-0.0011	12	-42 55	15.03	0.016	12	0.66	14.005	28	99.2	15.86	26	99.2	B8	CZ	5200	P -42 1939
00		8.7T	59	18.786	-0.0093	20	-47 40	19.08	-0.006	16	0.85	19.022	24	05.2	18.81	22	02.6	A0	GC	10883K	C* -47 3506

219300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 7H DM NUMBER
1	10.0E	9.6H	7 59 20.178	0.0012	12	-47 40 15.04	-0.000	12	0.73	20.121	45	01.6	15.02	45	01.6	A0	CZ	5207	P -47 1765
2	8.8E	8.5Z	59 26.867	-0.0027	12	-41 37 9.12	-0.008	12	0.73	26.996	45	01.6	8.75	45	01.6	B9P	CZ	5203	P -41 1998
3	9.6E	9.4Z	59 27.120	-0.0011	12	-41 35 10.48	-0.009	12	0.73	27.176	45	01.6	10.08	45	01.6		CZ	5204	P -41 1999
4	9.8E	9.8H	59 27.900	-0.0016	12	-44 7 18.09	0.003	12	0.67	27.991	28	98.5	18.25	26	98.5	A2	CZ	5208	P -43 2075
5	9.2E	10.5H	59 28.710	-0.0013	12	-46 21 21.95	0.025	12	0.72	28.773	45	02.7	23.13	45	02.7	A0	CZ	5209	P -46 2006
6	8.3E	9.0H	59 30.959	-0.0010	12	-46 21 7.61	0.012	12	0.72	31.007	45	02.7	8.17	45	02.7	A0	CZ	5210	P -46 2007
7	8.9E	9.6H	59 34.281	-0.0016	12	-48 14 45.26	-0.017	12	0.71	34.356	45	03.6	44.45	45	03.6	B9	CZ	5216	P -48 1406
8	9.1E	9.8H	59 40.207	-0.0010	12	-49 43 53.46	-0.002	12	0.70	40.251	45	04.2	53.36	45	04.2	F2	CZ	5221	P -49 1461
9	8.3E	8.4H	59 40.814	-0.0019	12	-47 20 1.02	-0.009	12	0.73	40.906	45	01.6	0.57	45	01.6	B9	CZ	5217	P -47 1771
10	9.8E	9.7H	59 42.812	-0.0016	12	-41 53 16.92	-0.009	12	0.73	42.892	45	01.6	16.48	45	01.6	F0	CZ	5211	P -41 2007
11	8.8E	8.4H	59 43.849	-0.0004	12	-47 12 45.69	-0.019	12	0.73	43.869	45	01.6	44.75	45	01.6	A2	CZ	5220	P -47 1772
12	8.8E	9.2H	59 52.835	-0.0009	12	-45 37 45.94	0.013	12	0.68	52.872	45	07.1	46.48	45	07.1	A0	CZ	5222	P -45 2006
13	9.8E	9.9H	59 54.186	-0.0012	12	-40 41 7.63	-0.011	12	0.83	54.245	63	02.1	7.12	57	02.1	F0	CZ	5218	P -40 2026
14		7.3T	59 54.186	-0.0004	13	-49 28 50.80	0.003	11	0.65	54.204	19	00.9	50.95	18	97.0	B3	GC	10899	C -49 3273
15	7.8E	7.7H	59 56.720	-0.0008	12	-45 5 28.78	0.019	12	0.65	56.761	31	01.8	29.72	28	01.8	B9	CZ	5223	P -44 2114
16	8.6E	8.8H	59 57.643	-0.0005	12	-47 9 39.80	-0.022	12	0.73	57.666	45	01.6	38.72	45	01.6	A0	CZ	5224	P -46 2017
17	8.2E	9.0H	59 58.580	-0.0015	12	-48 46 24.73	-0.002	12	0.71	58.650	45	03.6	24.64	45	03.6	B9	CZ	5226	P -48 1411
18	9.1E	9.1H	8 0 3.962	-0.0025	12	-47 6 11.55	-0.011	12	0.72	4.081	45	02.7	11.02	45	02.7	F0	CZ	5227	P -46 2021
19	8.5E	8.4H	0 10.850	0.0009	12	-45 42 9.11	-0.056	12	0.62	10.809	31	04.1	6.53	28	04.1	F0	CZ	5228	P -45 2014
20	10.1E	10.5H	0 10.942	-0.0019	12	-49 43 12.61	-0.048	12	0.70	11.028	45	04.2	10.40	45	04.2	F5	CZ	5236	P -49 1466
21		6.6T	0 14.285	-0.0016	12	-44 27 34.83	-0.001	10	0.61	14.368	22	99.3	34.75	19	93.3	K0	GC	10906	C -44 3969
22	9.4E	9.8H	0 14.705	-0.0005	12	-46 42 16.47	-0.000	12	0.72	14.729	45	02.7	16.46	45	02.7	B9	CZ	5234	P -46 2026
23	9.9E	9.4H	0 24.244	-0.0036	12	-49 50 34.70	0.034	12	0.70	24.407	45	04.2	36.25	45	04.2	K0	CZ	5241	P -49 1467
24	8.7E	8.9H	0 27.008	-0.0014	12	-41 45 20.56	-0.008	12	0.73	27.078	45	01.6	20.16	45	01.6	B9	CZ	5235	P -41 2025
25	8.4E	8.8H	0 28.613	-0.0013	12	-41 49 1.82	-0.011	12	0.66	28.680	28	99.8	1.26	26	99.8	B9	CZ	5237	P -41 2026
26	7.9E	8.5H	0 31.403	-0.0004	12	-45 23 54.36	0.001	12	0.68	31.421	45	07.1	54.40	45	07.1	A0	CZ	5240	P -45 2021
27	9.4E	9.3H	0 34.512	-0.0011	12	-41 4 43.47	-0.023	12	0.83	34.567	63	02.1	42.39	57	02.1	B9	CZ	5239	P -40 2037
28	9.2E	9.8H	0 37.584	-0.0007	12	-46 53 24.52	-0.012	12	0.65	37.619	31	01.2	23.93	28	01.2	A0	CZ	5244	P -46 2033
29	8.7E	9.1H	0 40.163	-0.0017	12	-44 37 45.98	-0.014	12	0.71	40.242	45	03.6	45.32	45	03.6	B9	CZ	5243	P -44 2134
30	9.0E	10.5H	0 40.300	-0.0024	12	-42 22 11.24	-0.000	12	0.66	40.424	28	99.2	11.24	26	99.2	F0	CZ	5242	P -42 1960
31	9.4E	9.0H	0 41.962	-0.0024	12	-45 0 43.89	0.023	12	0.71	42.072	45	03.6	44.97	45	03.6	K0	CZ	5245	P -44 2135
32	10.0E	9.4H	0 44.374	-0.0011	12	-49 12 55.73	-0.006	12	0.70	44.425	45	04.2	55.46	45	04.2	F5	CZ	5249	P -49 1470
33		6.6T	0 50.367	0.0016	12	-44 31 34.95	0.005	09	0.59	50.289	17	99.7	35.22	17	93.0	A0P	GC	10927K	C*-44 3980
34	7.5E	7.7H	0 54.014	-0.0121	12	-46 11 55.48	0.218	12	0.67	54.587	36	02.5	+ 5.84	36	02.5	G0	CZ	5251	P -45 2027
35	10.0E	10.3H	0 54.552	-0.0054	12	-42 11 18.41	-0.044	12	0.74	54.821	45	00.6	16.23	45	00.6	G0	CZ	5247	P -41 2039
36	8.3E	9.1H	0 58.441	-0.0005	12	-46 21 32.24	-0.013	12	0.64	58.466	28	01.4	31.59	26	01.4	A5	CZ	5253	P -46 2038
37	8.7E	9.1H	0 59.625	-0.0012	12	-45 24 34.69	0.016	12	0.65	59.678	36	05.2	35.39	36	05.2	A0	CZ	5252	P -45 2029
38		8.5T	1 0.929	-0.0006	16	-41 9 43.61	-0.038	15	0.77	0.958	24	03.2	41.77	22	01.4		GC	10931K	C -40 3775
39		5.5T	1 1.545	-0.0008	07	-41 10 8.20	0.008	06	0.31	1.578	12	09.2	8.57	12	04.1	B9	GC	10932K	C*-40 3776
40	7.6E	8.5H	1 4.258	-0.0002	12	-46 40 53.79	0.002	12	0.67	4.266	36	02.5	53.89	36	02.5	A0	CZ	5257	P -46 2040
41	9.5E	10.0H	1 8.434	-0.0035	12	-43 8 37.55	0.007	12	0.75	8.614	45	99.1	37.92	45	99.1	G5	CZ	5255	P -42 1975
42	7.5	7.8M	1 9.697	-0.0034	13	-40 5 6.73	-0.028	13	0.26	9.744	15	36.2	6.34	21	36.2	A0	CB	3427	C -39 3929
43	8.2E	7.1H	1 11.255	-0.0039	12	-40 15 40.38	0.033	12	0.83	11.443	63	02.1	41.98	57	02.1	K0	CZ	5254	P -40 2041
44	9.4E	9.9H	1 12.039	-0.0010	12	-42 6 40.27	-0.003	12	0.73	12.090	45	01.6	40.12	45	01.6	A0	CZ	5256	P -41 2045
45		6.5T	1 15.683	-0.0029	14	-49 48 36.12	0.025	10	0.68	15.827	21	00.4	37.53	17	92.5	F0	GC	10941	C -49 3297
46	7.8E	7.3H	1 23.550	-0.0028	12	-40 59 6.45	0.001	12	0.83	23.686	63	02.1	6.48	57	02.1	K0	CZ	5258	P -40 2047
47	6.1E	6.7H	1 26.434	-0.0029	12	-48 11 1.11	-0.002	12	0.63	26.572	28	02.1	1.03	26	02.1	B3	CZ	5268	P -47 1796
48	9.4E	10.1H	1 29.110	-0.0014	12	-41 35 12.75	-0.012	12	0.65	29.178	36	99.8	12.16	24	99.8	A0	CZ	5260	P -41 2048
49	8.8E	9.7H	1 30.675	-0.0018	12	-40 54 7.36	-0.005	12	0.67	30.767	31	99.7	7.12	28	99.7	A0	CZ	5261	P -40 2049
50	9.3E	8.6H	1 32.456	0.0002	12	-45 8 25.57	-0.005	12	0.69	32.445	45	05.2	25.34	45	05.2	K0	CZ	5267	P -44 2155
51	10.1E	11.5H	8 1 33.426	-0.0008	12	-47 47 2.29	-0.017	12	0.65	33.466	28	00.9	1.44	26	00.9	G0	CZ	5270	P -47 1799
52	8.5E	9.8H	1 36.529	-0.0022	12	-43 20 28.52	0.011	12	0.67	36.644	28	98.6	29.10	26	98.6	A0	CZ	5269	P -43 2115
53	9.2E	9.8H	1 37.891	-0.0001	12	-46 54 33.02	-0.004	12	0.67	37.896	36	02.5	32.82	36	02.5	A0	CZ	5271	P -46 2053
54	7.6E	8.5H	1 40.038	-0.0009	12	-46 8 27.37	0.030	12	0.67	40.080	36	02.5	28.79	36	02.5	F8	CZ	5272	P -45 2039
55		6.2T	1 49.264	-0.0030	10	-42 48 23.45	-0.015	07	0.40	49.391	14	07.3	22.76	14	03.9	K0	GC	10946	C -42 3832
56	8.0E	8.6H	1 52.045	-0.0046	12	-44 1 32.91	0.030	12	0.71	52.278	36	99.1	34.44	36	99.1	F2	CZ	5277	P -43 2122
57	8.6E	9.0H	1 52.077	-0.0008	12	-40 14 44.17	-0.001	12	0.74	52.115	45	00.6	44.14	45	00.6	A2	CZ	5273	P -40 2060
58	9.7E	8.3H	1 52.833	-0.0023	12	-41 36 54.49	-0.007	12	0.65	52.948	28	99.8	54.16	26	99.8	K0	CZ	5275	P -41 2055
59	9.8E	9.6H	1 56.320	-0.0027	12	-48 30 47.93	0.024	12	0.71	56.444	45	03.6	49.02	45	03.6	F0	CZ	5280	P -48 1426
60		6.6T	2 3.386	-0.0051	11	-49 21 25.12	0.007	09	0.58	3.651	18	97.6	25.51	17	92.9	K0	GC	10954	C -49 3306
61	9.6E	10.1H	2 3.819	-0.0012	12	-41 1 13.34	-0.003	12	0.85	3.879	63	99.2	13.21	57	99.2	A0	CZ	5279	P -40 2065
62	9.7E	9.4H	2 4.308	-0.0013	12	-49 48 36.94	-0.002	12	0.70	4.367	45	04.2	36.84	45	04.2	A0	CZ	5285	P -49 1480
63	8.5E	8.7Z	2 8.203	-0.0016	12	-46 25 41.55	0.001	12	0.67	8.279	36	02.5	41.59	36	02.5	A2	CZ	5282	P -46 2059
64	9.0E	9.1Z	2 9.401	0.0015	12	-46 25 27.23	-0.014	12	0.67	9.331	36	02.5	26.55	36	02.5	A2	CZ	5283	P -46 2061
65	8.7E	9.2H	2 9.764	-0.0031	12	-48 50 45.49	0.009	12	0.71	9.909	45	03.6	45.91	45	03.6	B9	CZ	5288	P -48 1432
66	9.7E	10.2H	2 19.637	-0.0029	12	-48 54 12.87	0.012	12	0.71	19.773	45	03.6	13.43	45	03.6	B9	CZ	5290	P -48 1434
67		7.3T	2 25.593	0.0022	13	-47 40 23.76	0.018	12	0.70	25.481	22	99.8	24.72	21	97.4	B9	GC	10962	C -47 3550
68	9.1E	9.2H	2 29.182	-0.0019	12	-46 55 8.64	0.009	12	0.71	29.270	45	03.7	9.04	45	03.7	G5	CZ	5295	P -46 2070
69	8.9E	8.3H	2 31.271	-0.0017	12	-42 10 16.96	0.011	12	0.74	31.356	45	00.1	17.51	45	00.1	A5	CZ	5289	P -41 2064
70	11.0E	10.0Z	2 35.522	-0.0033	12	-42 32 7.06	0.027	12	0.74	35.687	45	00.1	8.40	45	00.1	A0	CZ	5291D	P -42 2015
71	11.0E	10.0H	2 35.731	-0.0027	12	-42 32 12.56	-0.019	12	0.74	35.866	45	00.1	11.61	45	00.1	A0	CZ	5292D	P -42 2015
72	9.1E	9.7H	2 37.672	-0.0007	12	-41 37 13.85	-0.016	12	0.74	37.707	45	00.1	13.07	45	00.1	A2	CZ	5294	P -41 2069
73	9.7E	10.0H	2 40.912	-0.0026	12	-48 35 44.21	0.003	12	0.71	41.031	45	03.6	44.33	45	03.6	A0	CZ	5301	P -48 1437
74	9.1E	8.8H	2 41.754	-0.0008	12	-49 45 58.95	-0.003	12	0.64	41.791	31	02.5	58.79	28	02.5	A0	CZ	5305	P -49 1485
75	8.1E	7.4H	2 44.313	-0.0025	12	-44 5 40.15	-0.022	12	0.76	44.441	45	98.7	39.02	45	98.7	G5	CZ	5297	P -43 2143
76	8.3E	8.5H	2 44.446	-0.0015	12	-47 51 56.41	-0.002	12	0.72	44.518	45	02.6	56.30	45	02.6	A0	CZ	5303	P -47 1815
77	9.3E	9.6H	2 46.775	-0.0041	12	-46 46 29.08	0.021	12	0.71	46.965	45	03.7	30.04	45	03.7	F8	CZ	5304	P -46 2079
78	9.7E	9.9H	2 48.405	-0.0018	12	-40 57 27.24	0.001	12	0.85	48.496	63	99.2	27.31	57	99.2	A0	CZ	5296	P -40 2078
79	9.2E	9.6H	2 49.057	-0.0009	12	-43 49 30.96	-0.011	12	0.76	49.102	45	98.7	30.39	45	98.7	A5	CZ	5300	P -43 2147
80	8.6E	8.7H	2 49.196	-0.0010	12	-41 31 46.12	-0.007	12	0.74	49.245	45	00.1	45.79	45	00.1	A2	CZ	5298	P -41 2072
81	9.5E	9.6H	2 49.262	-0.0022	12	-47 37 33.25	0.013	12	0.61	49.366	24	02.6	33.85	20	02.6	F5	CZ	5306	P -47 1818
82		7.4T	2 49.326	-0.0003	12	-42 36 56.07	0.011	12	0.66	49.340	15	98.8	56.65	17	96.4	B3	GC	10976	C -42 3852
83	8.2E	7.8H	2 59.666	-0.0005	12	-46 0 30.87	0.007	12	0.71	59.690	45	03.2	31.18	45	03.2	K0	CZ	5308	P -45 2062
84	9.0E	9.3H	3 3.502	-0.0020	12	-42 5 12.19	0.009	12	0.74	3.602	45	00.1	12.62	45	00.1	A0	CZ	5307	P -41 2077
85	9.5E	7.9H	3 8.812	-0.0031	12	-41 58 2.27	-0.012	12	0.67	8.971	28	98.9	1.65	26	98.9	K2	CZ	5309	P -41 2081
86	8.4E	10.0H	3 13.818	-0.0001	12	-45 42 52.15	-0.002	12	0.71	13.823	45	03.2	52.05	45	03.2	A3	CZ	5312	P -45 2068
87	9.3E	9.8H	3 18.740	-0.0022	12	-42 32 19.86	-0.023	12	0.74	18.850	45	00.1	18.71	45	00.1	G0	CZ	5311	P -42 2030
88	10.2E	10.6H	3 19.620	-0.0023	12	-41 14 40.65	0.010	12	0.66	19.737	28	99.1	41.18	26	99.1	G0	CZ	5310D	P -41 2083
89	9.2E	9.6H	3 32.378	-0.0028	12	-46 40 14.46	0.003	12	0.71	32.507	45	03.7	14.59	45	03.7	A0	CZ	5320	P -46 2098
90		8.6T	3 34.406	-0.0016	13	-45 16 14.45	-0.019	12	0.68	34.485	19	99.6	13.41	18	96.7	A	GC	10990K	C -45 3742
91		8.5T	3 35.148	-0.0018	15	-45 15 45.92	0.022	12	0.72	35.233	22	02.1	47.08	21	98.1	A	GC	10991K	C*-45 3741
92	7.9E	8.3H	3 39.163	-0.0009	12	-44 11 3.55	-0.002	12	0.66	39.207	28	99.2	3.46	26	99.2	A	CZ	5321	P -43 2161
93	10.1E	10.0H	3 39.163	-0.0008	12	-43 0 33.59	0.011	12	0.66	39.194	28	99.0	34.16	26	99.0	F5	CZ	5317	P -42 2041
94	10.9E	9.9Z	3 40.341	0.0002	12	-42 20 8.56	-0.018	12	0.66	40.331	28	99.1	7.64	26	99.1		CZ	5316	P -42 2038
95	8.3E	9.0H	3 40.480	-0.0023	12	-46 54 7.15	-0.007	12	0.71	40.586	45	03.7	6.81	45	03.7	A0	CZ	5324	P -46 2101
96	8.8E	9.6H	3 42.013	-0.0013	12	-46 35 55.60	0.004	12	0.71	42.073	45	03.7	55.77	45	03.7	A0	CZ	5325	P -46 2102
97	8.2E	8.0H	3 42.049	-0.0013	12	-44 4 51.55	-0.010	12	0.68	42.115	28	98.1	51.04	26	98.1	B9	CZ	5322	P -43 2163
98	9.6E	9.9H	3 44.143	-0.0019	12	-40 13 22.25	0.002	12	0.85	44.239	63	99.2	22.37	57	99.2	A0	CZ	5318	P -40 2093
99	8.4E	8.6H	3 46.004	-0.0001	12	-42 24 17.84	-0.073	12	0.74	45.999	45	00.1	14.20	45	00.1	F0	CZ	5323	P -42 2044
00		6.3T	3 47.755	-0.0001	09	-46 50 5.48	-0.010	07	0.38	47.759	15	08.4	5.03	15	02.8	B3	GC	10999	C -46 3764

219400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1	9.1E	9.0H	8 3 50.227	-0.0023	12	-47 58 45.53	-0.006	12	0.72	50.336	45	02.6	45.23	45	02.6	B9	CZ	5328D	P -47 1836
2		7.1T	3 53.555	-0.0084	12	-48 39 44.01	0.084	09	0.61	53.675	22	99.1	45.35	19	93.6	A0	GC	11003	C -48 3460
3	9.4E	9.0H	3 58.067	-0.0012	12	-46 30 37.02	-0.003	12	0.71	58.123	45	03.7	36.87	45	03.7	K2	CZ	5329	P -46 2111
4	9.2E	9.2H	3 59.274	-0.0011	12	-40 26 18.57	-0.013	12	0.85	59.330	63	99.2	17.93	57	99.2	A0	CZ	5328	P -40 2095
5	8.9E	9.4H	4 4.775	-0.0001	12	-49 14 9.46	0.006	12	0.70	4.780	45	04.2	9.74	45	04.2	A0	CZ	5335	P -49 1484
6		6.9T	4 6.894	-0.0009	14	-45 1 36.96	0.007	12	0.69	6.737	19	00.5	37.36	18	96.7	B5	GC	11008	C -44 4032
7	9.3E	9.8H	4 12.742	-0.0008	12	-41 55 27.10	-0.003	12	0.74	12.782	45	00.1	26.95	45	00.1	B9	CZ	5332	P -41 2108
8	7.8E	8.4H	4 13.775	-0.0002	12	-45 51 8.41	-0.002	12	0.65	13.784	31	01.5	6.31	28	01.5	B9	CZ	5336	P -45 2093
9	9.3E	9.8H	4 16.288	-0.0007	12	-44 46 50.50	-0.020	12	0.75	16.321	45	99.7	49.51	45	99.7	K0	CZ	5337	P -44 2208
10	9.2E	9.0H	4 16.537	-0.0016	12	-40 19 17.34	-0.001	12	0.85	16.618	63	99.2	17.30	57	99.2	F0	CZ	5333	P -40 2100
11	9.1E	9.6Z	4 18.646	-0.0009	12	-45 27 43.05	-0.007	12	0.71	18.691	45	03.2	42.69	45	03.2		CZ	5339	P -45 2100
12	9.4E	10.3H	4 21.693	-0.0014	12	-40 45 11.68	-0.011	12	0.85	21.763	63	99.2	11.14	57	99.2	A0	CZ	5334	P -40 2102
13	9.4E	9.2H	4 23.595	-0.0021	12	-43 36 40.86	0.010	12	0.76	23.704	45	98.7	41.38	45	98.7	A0	CZ	5341	P -43 2177
14	8.9E	9.2H	4 23.860	0.0016	12	-49 13 58.33	-0.031	12	0.70	23.788	45	04.2	56.91	45	04.2	F0	CZ	5344	P -49 1486
15		8.5Q	4 25.645	-0.0027	18	-40 12 19.50	0.004	20	0.89	25.768	22	04.9	19.68	22	04.6	B9	GC	11012	C -39 3991
16		8.2T	4 29.781	-0.0011	11	-40 11 56.29	-0.015	11	0.48	29.826	15	09.7	55.67	15	08.8	B9	GC	11014	C -39 3987
17		8.7T	4 30.784	-0.0002	18	-45 15 0.29	0.007	20	0.89	30.792	24	05.2	0.63	24	04.9	A0	GC	11016	C -45 3765
18	9.7E	9.4H	4 35.098	-0.0021	12	-43 44 30.55	-0.010	12	0.76	35.205	45	98.7	30.03	45	98.7	A2	CZ	5343	P -43 2180
19	9.6E	9.0H	4 54.069	-0.0022	12	-42 43 9.07	-0.031	12	0.74	54.178	45	00.1	7.53	45	00.1	K0	CZ	5345	P -42 2068
20	8.8E	9.0H	4 58.583	-0.0016	12	-43 27 14.94	0.006	12	0.76	58.665	45	98.7	15.26	45	98.7	B9	CZ	5347	P -43 2191
21	9.6E	9.9H	5 2.480	-0.0010	12	-40 35 50.72	-0.011	12	0.85	2.531	63	99.2	50.18	57	99.2	K0	CZ	5346	P -40 2116
22		5.0T	5 4.011	-0.0006	06	-45 7 15.41	-0.001	05	0.25	4.033	10	10.5	15.39	09	06.6	K0	GC	11026	C -44 4051
23	8.1E	8.6H	5 4.060	-0.0008	12	-43 39 49.48	0.003	12	0.76	4.163	45	98.7	49.63	45	98.7	B9	CZ	5348	P -43 2196
24	8.0E	7.9H	5 4.490	-0.0027	12	-49 3 24.03	0.011	12	0.63	4.620	28	02.1	24.56	28	02.1	B9	CZ	5352	P -48 1463
25	9.9E	10.0H	5 8.290	-0.0039	12	-48 38 3.86	0.024	12	0.71	8.470	45	03.6	4.95	45	03.6	F2	CZ	5356	P -48 1464
26	9.0E	8.9H	5 9.429	0.0006	12	-43 44 53.17	-0.074	12	0.76	9.397	45	98.7	49.36	45	98.7	G0	CZ	5350	P -43 2198
27		6.5T	5 11.987	-0.0038	17	-48 21 7.93	0.003	17	0.82	12.165	19	03.0	8.09	19	02.7	B3	GC	11030	C -48 3480
28	7.6E	7.9H	5 13.776	-0.0010	12	-45 41 21.29	-0.001	12	0.71	13.822	45	03.2	21.25	45	03.2	K0	CZ	5355	P -45 2120
29	9.4E	9.2H	5 14.118	0.0000	12	-44 48 12.45	0.057	12	0.75	14.117	45	99.7	15.31	45	99.7	F5	CZ	5353	P -44 2227
30	9.0E	9.0H	5 14.138	-0.0010	12	-44 54 18.62	-0.002	12	0.75	14.188	45	99.7	18.53	45	99.7	A0	CZ	5354	P -44 2228
31	9.9E	10.5H	5 16.051	-0.0056	12	-48 54 22.04	0.020	12	0.71	16.311	45	03.6	22.97	45	03.6	F5	CZ	5360	P -48 1466
32		8.3T	5 18.574	-0.0017	18	-47 24 54.54	-0.012	18	0.88	18.654	19	03.0	53.95	19	02.9	B8	GC	11033	C -47 3597
33	8.7E	8.6H	5 19.116	-0.0007	12	-40 46 27.41	-0.014	12	0.85	19.151	63	99.2	26.72	57	99.2	B9	CZ	5351	P -40 2126
34	9.3E	9.0H	5 21.647	-0.0042	12	-45 44 32.24	0.041	12	0.71	21.843	45	03.2	34.15	45	03.2	K0	CZ	5358	P -45 2123
35	9.0E	10.5H	5 24.630	-0.0020	12	-47 8 40.74	-0.002	12	0.72	24.725	45	02.6	40.63	45	02.6	A0	CZ	5364	P -46 2147
36	9.6E	8.9H	5 28.350	-0.0016	12	-44 27 33.65	-0.011	12	0.75	28.430	45	99.7	33.09	45	99.7	K2	CZ	5361	P -44 2232
37	9.1E	7.5H	5 33.923	-0.0006	12	-41 35 22.47	-0.016	12	0.74	33.953	45	00.1	21.69	45	00.1	K5	CZ	5362	P -41 2137
38		6.9T	5 34.513	-0.0006	14	-47 38 55.42	-0.012	12	0.71	34.541	22	00.8	54.81	21	97.5	B9	GC	11039	C -47 3599
39	7.3E	7.8H	5 35.323	-0.0017	12	-48 2 36.11	0.008	12	0.64	35.404	28	01.4	38.50	28	01.4	A0	CZ	5367	P -47 1883
40	8.6E	8.7Z	5 38.368	-0.0016	12	-47 47 8.57	-0.006	12	0.67	38.445	36	02.5	8.26	36	02.5		CZ	5369	P -47 1864
41	9.4E	9.6Z	5 38.622	-0.0086	12	-48 8 48.89	-0.012	12	0.72	38.746	45	02.6	48.31	45	02.6		CZ	5370	P -47 1866
42	7.6E	8.2H	5 38.779	-0.0005	12	-46 29 42.57	0.004	12	0.71	38.802	45	03.7	42.75	45	03.7	A0	CZ	5368	P -46 2150
43	9.5E	7.5H	5 40.642	-0.0015	12	-41 35 25.89	-0.026	12	0.74	40.717	45	00.1	24.61	45	00.1	K0	CZ	5365	P -41 2139
44	7.5E	6.9H	5 50.071	-0.0164	12	-48 14 34.58	0.194	12	0.67	50.839	36	03.1	43.67	36	03.1	K0	CZ	5375	P -48 1474
45	10.4E	10.2H	5 52.433	0.0001	12	-49 59 13.08	-0.018	12	0.64	52.428	31	02.5	12.22	28	02.5	A0	CZ	5377	P -49 1506
46	7.4E	8.5H	5 56.626	-0.0002	12	-45 0 6.92	-0.029	12	0.75	56.634	45	99.7	5.48	45	99.7	A0	CZ	5374	P -44 2241
47	7.1E	7.1H	6 0.846	-0.0004	12	-41 39 56.92	0.021	12	0.74	0.867	45	00.1	57.97	45	00.1	B3	CZ	5373	P -41 2149
48	9.1E	7.8H	6 5.639	-0.0024	12	-49 7 25.67	0.019	12	0.67	5.753	36	03.1	26.57	36	03.1	M8	CZ	5380	P -48 1475
49		7.3T	6 8.515	0.0014	13	-47 6 30.78	0.002	12	0.69	8.445	22	00.1	30.91	19	96.1	B8	GC	11054	C -46 3813
50	9.2E	10.5H	6 12.279	-0.0017	12	-46 3 48.55	0.006	12	0.66	12.357	36	03.8	48.81	36	03.8	A2	CZ	5379	P -45 2143
51		6.7T	8 6 13.455	0.0008	08	-48 51 51.54	-0.007	07	0.37	13.419	15	06.9	51.20	14	02.3	B9	GC	11056	C -48 3496
52	9.4E	8.9H	6 21.061	-0.0032	12	-44 42 49.98	0.016	12	0.71	21.223	36	99.2	50.79	36	99.2	K0	CZ	5381	P -44 2253
53	10.0E	10.3H	6 21.319	-0.0031	12	-48 30 48.89	-0.004	12	0.67	21.463	36	03.1	48.68	36	03.1	A0	CZ	5390	P -48 1477
54	9.0E	9.0H	6 22.233	-0.0001	12	-45 23 45.99	-0.013	12	0.66	22.240	36	03.8	45.38	36	03.8	A0	CZ	5385	P -45 2147
55	9.1E	8.9H	6 23.590	-0.0012	12	-43 30 0.48	-0.018	12	0.67	23.652	26	97.9	-59.55	24	97.9	K5	CZ	5382	P -43 2224
56	9.0E	9.1H	6 25.736	-0.0009	12	-43 57 8.96	-0.053	12	0.71	25.781	36	98.4	6.23	36	98.4	G5	CZ	5387	P -43 2226
57	7.7E	8.9H	6 28.758	-0.0005	12	-44 54 41.22	-0.007	12	0.67	28.783	28	98.9	40.87	26	98.9	B9	CZ	5389	P -44 2257
58	9.8E	9.7Z	6 29.343	0.0001	12	-41 51 30.96	-0.004	12	0.69	29.338	36	00.4	30.75	36	00.4		CZ	5386	P -41 2159
59	8.7E	8.9H	6 32.407	-0.0005	12	-41 52 58.70	0.001	12	0.69	32.431	36	00.4	58.74	36	00.4	B9	CZ	5388	P -41 2162
60	8.9E	9.8H	6 34.424	-0.0010	12	-47 6 19.13	0.001	12	0.65	34.470	36	04.2	19.16	36	04.2	A0	CZ	5393	P -46 2171
61	8.4E	9.0H	6 38.061	-0.0008	12	-44 45 47.42	-0.094	12	0.71	38.102	36	99.2	42.64	36	99.2	G5	CZ	5392	P -44 2262
62	8.1E	8.4H	6 41.796	-0.0034	12	-47 34 44.41	0.016	12	0.67	41.958	36	02.5	45.16	36	02.5	A2	CZ	5396	P -47 1891
63	8.3E	8.9H	6 42.154	-0.0004	12	-41 8 49.58	-0.012	12	0.69	42.174	36	00.4	49.01	36	00.4	B9	CZ	5391	P -40 2151
64	9.3E	9.6H	6 44.048	-0.0024	12	-47 42 39.21	-0.022	12	0.67	44.163	36	02.5	38.15	36	02.5	A0	CZ	5399	P -47 1892
65	8.5E	8.9H	6 47.359	-0.0006	12	-41 46 7.98	0.004	12	0.65	47.389	26	99.4	8.17	24	99.4	A0	CZ	5394D	P -41 2165
66	9.9E	10.2H	6 47.524	-0.0012	12	-48 32 38.38	0.001	12	0.67	47.580	36	03.1	38.41	36	03.1	F2	CZ	5410	P -48 1480
67	8.4E	9.0H	6 48.079	-0.0002	12	-45 38 54.45	-0.007	12	0.63	48.089	28	02.4	54.11	26	02.4	B8	CZ	5397	P -45 2157
68	9.0E	10.2H	6 49.079	-0.0027	12	-46 27 44.70	0.003	12	0.63	49.208	28	02.7	44.83	26	02.7	F0	CZ	5402	P -46 2176
69	8.4E	9.0H	6 49.095	-0.0021	12	-47 0 39.71	-0.005	12	0.65	49.192	36	04.2	39.47	36	04.2	A0	CZ	5404	P -46 2178
70	8.5E	9.2H	6 50.968	-0.0023	12	-47 32 10.24	0.002	12	0.67	51.077	36	02.5	10.33	36	02.5	A	CZ	5411	P -47 1894
71	9.1E	8.3H	6 51.518	-0.0038	12	-41 5 32.62	0.005	12	0.85	51.711	63	99.2	32.89	57	99.2	K0	CZ	5395	P -40 2153
72	8.8E	9.2H	6 51.998	-0.0015	12	-44 6 52.89	-0.012	12	0.71	52.074	36	98.4	52.28	36	98.4	B9	CZ	5400	P -43 2237
73	9.0E	10.9H	6 54.062	0.0001	12	-44 59 14.24	-0.002	12	0.71	54.057	36	99.2	14.14	36	99.2	B9	CZ	5407	P -44 2270
74	7.9E	8.8H	6 54.166	-0.0024	12	-47 27 17.77	-0.007	12	0.64	54.282	28	01.4	17.43	26	01.4	A0	CZ	5413	P -47 1895
75	8.3E	9.1H	6 58.109	-0.0006	12	-46 6 47.90	-0.018	12	0.66	58.136	36	03.8	47.06	36	03.8	B9	CZ	5414	P -45 2160
76	8.4E	8.6H	6 58.830	-0.0001	12	-41 54 32.80	0.002	12	0.69	58.835	36	00.4	32.89	36	00.4	B5	CZ	5403	P -41 2169
77	9.7E	9.9Z	6 59.083	-0.0006	12	-42 2 39.32	-0.006	12	0.69	59.113	36	00.4	39.01	36	00.4	A0	CZ	54050	P -41 2170
78	9.3E	9.3Z	6 59.458	-0.0010	12	-42 2 32.09	-0.001	12	0.69	59.508	36	00.4	32.04	36	00.4	A0	CZ	54060	P -41 2170
79	10.1E	10.9H	7 2.252	-0.0021	12	-42 28 17.20	-0.001	12	0.65	2.358	26	99.5	17.14	24	99.5	B8	CZ	5412	P -42 2115
80	9.0E	8.7Z	7 4.444	-0.0004	12	-45 16 6.76	-0.012	12	0.66	4.464	36	03.8	6.20	36	03.8	A0	CZ	5417	P -45 2162
81	8.0E	9.2H	7 5.974	-0.0018	12	-44 17 14.65	0.004	12	0.67	6.065	28	98.9	14.85	26	98.9	B8	CZ	5416	P -44 2277
82	9.5E	8.5Z	7 6.905	-0.0011	12	-45 14 59.91	-0.012	12	0.66	6.958	36	03.8	59.35	36	03.8	A0	CZ	5418	P -45 2164
83	8.6E	9.1H	7 7.197	-0.0018	12	-49 31 55.69	-0.010	12	0.64	7.282	31	02.5	55.22	28	02.5	B9	CZ	5422	P -49 1512
84	7.5E	8.0Z	7 12.543	-0.0058	12	-44 35 38.44	0.096	12	0.75	12.834	45	99.6	43.28	45	99.6		CZ	5420	P -44 2279
85	9.3E	9.8H	7 13.514	-0.0032	12	-48 39 19.85	0.000	12	0.67	13.664	36	03.1	19.85	36	03.1	B9	CZ	5423	P -48 1484
86	8.0E	8.2H	7 13.961	-0.0030	12	-49 20 58.96	0.010	12	0.70	14.100	45	04.2	59.42	45	04.2	B9	CZ	5426	P -49 1513
87	9.9E	9.9H	7 16.190	-0.0014	12	-40 23 15.58	-0.010	12	0.85	16.261	63	99.2	15.09	57	99.2	B8	CZ	5419	P -40 2156
88	6.8E	7.4H	7 18.467	-0.0009	12	-47 1 37.18	-0.009	12	0.65	18.508	36	04.2	36.79	36	04.2	B8	CZ	5424	P -46 2185
89	9.3E	9.8H	7 19.606	-0.0006	12	-42 38 12.68	0.011	12	0.74	19.637	45	00.1	13.22	45	00.1	B9	CZ	5421	P -42 2123
90	9.1E	8.8H	7 19.629	-0.0028	12	-46 39 33.35	0.013	12	0.71	19.758	45	03.7	33.94	45	03.7	G5	CZ	5425	P -46 2184
91	8.9E	9.6H	7 35.511	-0.0019	12	-47 29 21.75	0.001	12	0.72	35.602	45	02.2	21.78	45	02.2	A0	CZ	5429	P -47 1910
92	8.6E	8.9H	7 37.881	-0.0007	12	-46 51 1.69	-0.004	12	0.65	37.915	31	01.8	1.49	28	01.8	B9	CZ	5430	P -46 2195
93		5.9T	7 40.062	-0.0005	07	-48 32 11.16	-0.005	06	0.30	40.081	14	08.3	10.91	12	02.4	B8	GC	11096	C -48 3516
94	10.2E	10.8H	7 43.332	-0.0014	12	-41 26 12.14	0.003	12	0.66	43.403	28	99.1	12.32	26	99.1	B8	CZ	5428	P -41 2183
95	8.9E	9.6H	7 43.584	-0.0022	12	-47 4 45.39	-0.005	12	0.71	43.686	45	03.7	45.15	45	03.7	A	CZ	5432	P -46 2198
96	10.2	8.8W	7 50.999	0.0011	10	-40 8 5.86	0.006	10	0.29	50.984	28	36.3	5.94	22	36.3	K5	C8	3494	C -39 4048
97	9.9E	9.2Z	7 51.381	-0.0037	12	-47 14 14.75	0.036	12	0.72	51.538	45	02.2	16.46	45	02.2		CZ	5436	P -47 1915
98	10.0E	10.5H	7 53.879	-0.0037	12	-49 50 33.28	0.008	12	0.71	54.051	45	03.6	33.64	45	03.6	A0	CZ	5445	P -49 1518
99	9.7E	9.0H	7 55.190	-0.0015	12	-42 36 22.84	-0.012	12	0.66	55.267	28	99.1	22.22	26	99.1	K0	CZ	5433	P -42 2136
00	8.3E	9.1H	7 55.249	-0.0036	12	-49 1 53.36	0.017	12	0.71	55.418	45	03.2	54.16	45	03.2	A0	CZ	5444	P -48 1493

219500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1		4.8T	8 7 56.809	-0.0009	06	-47 11 50.48	-0.006	05	0.35	56.861	14	91.5	50.12	12	86.2	B3	GC	11103K	C*-46 3846
2		5.2T	7 56.932	-0.0011	09	-43 58 28.60	-0.013	07	0.35	56.976	14	11.4	28.02	12	06.9	B3	GC	11104	C*-43 3998
3	8.8E	9.4H	7 57.660	-0.0011	12	-49 3 1.42	0.006	12	0.71	57.712	45	03.2	1.70	45	03.2	B9	CZ	5447	P -48 1495
4		1.9H	7 59.465	-0.0006	02	-47 11 18.31	0.004	02	0.09	59.487	05	10.7	18.46	05	11.2	OAP	F4	309	C -46 3847
5		8.5T	8 2.350	-0.0005	12	-47 12 13.26	0.005	10	0.61	2.375	22	98.7	13.57	19	93.5	A0	GC	11106	C -46 3848
6		9.4T	8 5.148	-0.0002	13	-47 12 32.96	-0.022	13	0.71	5.158	22	00.4	31.86	21	98.8	A0	GC	11109	C -46 3849
7		6.7T	8 5.885	-0.0010	09	-42 29 31.98	0.008	07	0.52	5.940	18	94.5	32.45	17	87.1	A0	GC	11111K	C*-42 3944
8	9.5E	9.4H	8 5.884	-0.0011	12	-45 12 2.50	-0.006	12	0.67	5.938	36	02.9	2.20	36	02.9	F0	CZ	5446	P -44 2292
9		7.9Q	8 6.298	-0.0033	16	-42 29 30.87	0.012	14	0.77	6.456	22	02.2	31.45	21	99.5		GC	11112K	C -42 3944
10	8.9E	7.9H	8 7.387	-0.0024	12	-41 7 40.68	-0.006	12	0.85	7.508	63	99.2	40.39	57	99.2	K5	CZ	5437	P -40 2167
11	8.6E	9.4H	8 8.245	-0.0021	12	-49 2 45.02	-0.010	12	0.71	8.344	45	03.2	44.56	45	03.2	A0	CZ	5455D	P*-48 1500
12	9.7E	9.0Z	8 10.294	-0.0021	12	-47 9 40.74	0.006	12	0.72	10.394	45	02.2	41.02	45	02.2		CZ	5454	P -46 2204
13	4.7E	5.4H	8 11.869	-0.0004	12	-47 47 21.05	-0.022	12	0.66	11.908	31	00.8	19.99	28	00.8	B3	CZ	5456	P -47 1920
14	7.4E	7.3H	8 11.907	-0.0012	12	-43 22 48.60	-0.007	12	0.76	11.969	45	98.6	48.26	45	98.6	K0	CZ	5451	P -43 2265
15		5.4T	8 11.925	-0.0002	08	-47 47 19.89	0.000	06	0.32	11.932	14	12.1	19.90	14	06.1	B3	GC	11117	C*-47 3653
16	8.7E	9.1H	8 12.404	-0.0016	12	-42 19 17.23	-0.001	12	0.74	12.484	45	00.1	17.17	45	00.1	B9	CZ	5448	P -42 2141
17	7.8E	8.3H	8 13.962	-0.0018	12	-43 33 58.14	-0.005	12	0.76	14.056	45	98.6	57.90	45	98.6	B8	CZ	5452	P -43 2267
18	8.9E	9.4H	8 13.984	-0.0036	12	-49 27 52.30	0.016	12	0.71	14.152	45	03.6	53.05	45	03.6	A0	CZ	5461	P -49 1523
19	9.4E	10.2H	8 17.963	-0.0017	12	-48 32 7.12	-0.004	12	0.71	18.041	45	03.2	6.91	45	03.2	B9	CZ	5462	P -48 1502
20	8.4E	8.4H	8 18.681	-0.0006	12	-41 0 28.82	-0.024	12	0.68	18.712	28	97.7	27.58	26	97.7	A0	CZ	5453	P -40 2172
21	7.5E	8.9H	8 22.526	0.0007	12	-44 11 50.12	0.003	12	0.75	22.490	45	99.6	50.28	45	99.6	B8	CZ	5459	P -43 2269
22	9.3E	9.8Z	8 22.760	-0.0039	12	-49 2 21.52	-0.027	12	0.71	22.943	45	03.2	20.26	45	03.2		CZ	5463	P -48 1510
23	9.6E	9.8Z	8 23.719	-0.0018	12	-49 2 7.71	0.000	12	0.71	23.804	45	03.2	7.72	45	03.2		CZ	5464	P -48 1511
24	9.7E	9.6H	8 24.396	-0.0025	12	-49 52 21.21	0.022	12	0.71	24.512	45	03.6	22.23	45	03.6	A0	CZ	5465	P -49 1525
25	9.7E	9.5H	8 27.479	-0.0015	12	-40 52 23.41	-0.012	12	0.85	27.555	63	99.2	22.82	57	99.2	A0	CZ	5458	P -40 2174
26	8.2E	9.6H	8 27.874	-0.0021	12	-49 10 34.00	0.006	12	0.71	27.973	45	03.6	34.28	45	03.6	B9	CZ	5467	P -48 1512
27	9.0E	9.4H	8 28.881	-0.0028	12	-48 59 25.62	-0.017	12	0.71	29.013	45	03.2	24.83	45	03.2	A0	CZ	5469	P -48 1513
28	8.2E	8.6H	8 30.003	-0.0046	12	-48 11 10.59	0.016	12	0.65	30.226	31	01.8	11.35	28	01.8	A2	CZ	5468	P -47 1927
29		8.1T	8 30.247	-0.0007	20	-47 40 10.67	-0.016	17	0.88	30.278	19	04.2	9.93	22	02.8	B5	GC	11120	C -47 3657
30	7.9E	8.9H	8 30.927	-0.0009	12	-49 7 15.74	-0.006	12	0.71	30.969	45	03.2	15.47	45	03.2	B9	CZ	5470	P -48 1514
31	9.0E	9.0H	8 34.959	-0.0041	12	-49 42 20.25	0.033	12	0.71	35.149	45	03.6	21.77	45	03.6	A3	CZ	5472	P -49 1526
32	9.6E	9.9Z	8 37.645	-0.0014	12	-49 5 22.20	-0.009	12	0.71	37.711	45	03.2	21.78	45	03.2	B8	CZ	5473	P -48 1517
33	9.7E	10.2H	8 39.415	-0.0021	12	-48 51 47.44	-0.010	12	0.71	39.514	45	03.2	46.97	45	03.2	A0	CZ	5474	P -48 1518
34	8.0E	9.0H	8 39.467	-0.0030	12	-49 7 40.91	-0.013	12	0.71	39.608	45	03.2	40.30	45	03.2	B8	CZ	5475	P -48 1519
35	9.2E	10.5H	8 43.655	-0.0004	12	-44 27 58.35	-0.005	12	0.75	43.675	45	99.6	58.10	45	99.6	B8	CZ	5471	P -44 2302
36		7.4T	8 47.205	-0.0008	18	-48 53 9.83	-0.009	18	0.88	47.240	19	03.3	9.40	19	03.1	B3	GC	11128	C -48 3552
37	9.3E	10.2H	8 51.921	-0.0030	12	-48 54 40.04	-0.004	12	0.71	52.062	45	03.2	39.85	45	03.2	B9	CZ	5479	P -48 1524
38		6.7T	8 52.084	-0.0013	09	-49 5 18.36	-0.012	09	0.54	52.150	22	97.2	17.66	21	93.2	B3	GC	11132	C -48 3556
39	8.2E	8.9H	8 52.547	-0.0031	12	-47 54 59.04	0.006	12	0.72	52.696	45	02.2	59.31	45	02.2	B9	CZ	5477	P -47 1935
40	8.1E	9.6H	8 57.275	-0.0010	12	-45 51 16.69	-0.012	12	0.71	57.321	45	03.2	16.12	45	03.2	B9	CZ	5478	P -45 2203
41		8.2T	8 58.608	-0.0011	12	-49 0 53.09	0.006	09	0.57	58.660	22	00.8	53.42	19	93.2	B9	GC	11136	C -48 3560
42	8.9E	8.5H	9 1.852	-0.0026	12	-48 2 15.83	-0.036	12	0.72	1.977	45	02.2	14.09	45	02.2	G5	CZ	5483	P -47 1936
43	8.4E	8.4H	9 2.124	-0.0017	12	-48 40 51.42	0.005	12	0.71	2.203	45	03.2	51.66	45	03.2	A5	CZ	5484	P -48 1530
44	9.4E	9.6H	9 2.597	-0.0027	12	-48 57 33.28	-0.010	12	0.71	2.724	45	03.2	32.81	45	03.2	B9	CZ	5485	P -48 1531
45	9.6E	9.8H	9 6.001	-0.0028	12	-49 23 39.69	0.012	12	0.71	6.132	45	03.6	40.25	45	03.6	A0	CZ	5487	P -49 1531
46	9.4E	9.0H	9 10.723	0.0008	12	-42 39 26.09	-0.348	12	0.74	10.683	45	00.1	8.74	45	00.1	K0	CZ	5481	P -42 2160
47	9.6E	10.9H	9 13.138	-0.0026	12	-48 48 27.36	-0.013	12	0.71	13.260	45	03.2	26.75	45	03.2	A0	CZ	5490	P -48 1536
48	8.7E	9.8H	9 13.185	-0.0026	12	-48 30 9.76	0.006	12	0.71	13.306	45	03.2	10.02	45	03.2	A0	CZ	5489	P -48 1535
49	8.8E	8.6H	9 17.294	-0.0018	12	-47 32 56.47	0.015	12	0.72	17.379	45	02.2	57.18	45	02.2	F8	CZ	5491	P -47 1944
50	8.9E	10.0H	9 18.981	-0.0024	12	-46 45 55.65	-0.009	12	0.71	19.092	45	03.7	55.23	45	03.7	B8	CZ	5492	P -46 2229
51	9.2E	9.6H	8 9 20.769	-0.0011	12	-44 10 3.78	-0.006	12	0.75	20.823	45	99.6	3.47	45	99.6	A2	CZ	5488	P -43 2285
52		6.7T	9 22.087	-0.0024	12	-40 36 31.57	0.022	12	0.66	22.209	18	99.2	32.73	21	97.3	K2	GC	11143	C -40 3938
53	8.1E	9.0H	9 22.940	-0.0002	12	-45 42 5.71	-0.013	12	0.71	22.949	45	03.2	5.09	45	03.2	B9	CZ	5494	P -45 2214
54	8.4E	9.4H	9 24.858	-0.0017	12	-48 42 32.22	0.003	12	0.71	24.937	45	03.2	32.37	45	03.2	A0	CZ	5498	P -48 1541
55		7.7T	9 28.595	-0.0085	17	-48 21 4.26	-0.010	11	0.71	28.986	19	03.8	3.75	21	96.9	G0	GC	11145	C -48 3573
56	9.4E	9.8H	9 29.161	-0.0029	12	-46 33 57.67	0.021	12	0.71	29.295	45	03.7	58.63	45	03.7	F5	CZ	5497	P -46 2233
57	9.2E	9.0H	9 30.205	-0.0013	12	-45 42 9.53	0.011	12	0.71	30.266	45	03.2	10.04	45	03.2	K0	CZ	5496	P -45 2216
58	9.5E	10.0H	9 30.591	-0.0014	12	-42 24 10.51	-0.006	12	0.74	30.661	45	00.1	10.20	45	00.1	A0	CZ	5495	P -42 2172
59	7.3E	8.2H	9 30.995	-0.0022	12	-49 8 4.92	-0.012	12	0.71	31.097	45	03.2	4.37	45	03.2	B8	CZ	5506	P -48 1543
60	8.8E	9.2H	9 35.202	-0.0008	12	-45 54 37.67	-0.000	12	0.71	35.239	45	03.2	37.66	45	03.2	K0	CZ	5503	P -45 2219
61	9.1E	9.2H	9 35.212	-0.0131	12	-46 8 50.21	-0.015	12	0.71	35.819	45	03.7	49.50	45	03.7	G5	CZ	5504	P -45 2220
62	8.4E	8.3H	9 35.778	0.0005	12	-45 0 51.28	0.007	12	0.75	35.750	45	99.6	51.65	45	99.6	G5	CZ	5501	P -44 2317
63		8.0T	9 36.583	0.0027	26	-43 12 43.68	-0.027	18	1.00	36.465	24	06.8	42.45	24	04.8	K2	GC	11152	C -42 3973
64	9.7E	9.9H	9 38.023	-0.0015	12	-42 12 6.41	0.001	12	0.67	38.100	28	98.8	6.45	26	98.8	B8	CZ	5499	P -41 2223
65		5.9T	9 40.675	0.0010	12	-48 18 42.99	-0.005	09	0.59	40.624	22	99.7	42.72	19	92.1	B3	GC	11154	C*-48 3576
66	7.7E	7.4H	9 42.864	-0.0014	12	-45 40 5.83	0.002	12	0.71	42.929	45	03.2	5.91	45	03.2	G5	CZ	5511	P -45 2225
67	9.1E	9.4H	9 42.996	-0.0023	12	-47 4 18.64	0.002	12	0.71	43.103	45	03.7	18.72	45	03.7	A0	CZ	5512	P -46 2238
68	8.8E	9.1H	9 43.360	-0.0025	12	-42 57 58.01	0.017	12	0.66	43.498	28	99.1	58.68	26	99.1	B8	CZ	5505	P -42 2185
69		4.9T	9 44.480	-0.0002	07	-42 50 13.61	0.002	06	0.29	44.487	12	09.1	13.70	12	03.4	A3	GC	11155K	C -42 3979
70	9.7E	10.3H	9 50.742	-0.0028	12	-40 30 9.54	-0.014	12	0.85	50.884	63	99.2	8.85	57	99.2	A2	CZ	5509	P -40 2202
71	9.5E	10.5H	9 57.140	-0.0020	12	-47 49 54.11	0.004	12	0.72	57.236	45	02.2	54.28	45	02.2	A0	CZ	5516	P -47 1955
72		8.3T	9 58.392	-0.0020	18	-46 4 56.94	0.017	20	0.91	58.486	19	03.1	57.75	19	03.3	A0	GC	11160	C -45 3872
73		8.9T	10 4.779	-0.0042	18	-43 53 3.66	0.051	18	0.86	4.969	24	05.1	5.95	24	04.8	G	GC	11164	C -43 4021
74	9.1E	10.2H	10 6.387	-0.0018	12	-47 12 4.98	-0.000	12	0.72	6.473	45	02.2	4.97	45	02.2	B5	CZ	5521	P -46 2248
75	8.1E	9.1H	10 7.900	-0.0029	12	-44 5 24.09	-0.002	12	0.68	8.050	28	97.8	23.98	26	97.8	A0	CZ	5519	P -43 2294
76	9.3E	9.6H	10 10.431	-0.0001	12	-45 1 22.12	-0.015	12	0.75	10.434	45	99.6	21.38	45	99.6	K0	CZ	5520	P -44 2331
77		6.5T	10 11.081	0.0014	12	-41 38 16.86	-0.011	12	0.65	11.009	21	98.5	16.25	21	97.2	K2	GC	11167	C -41 3867
78	9.2E	10.0H	10 11.960	-0.0015	12	-44 45 30.05	0.000	12	0.75	12.035	45	99.6	30.06	45	99.6	B9	CZ	5522	P -44 2332
79	7.2E	7.3H	10 12.669	-0.0019	12	-49 55 3.50	0.000	12	0.64	12.758	31	02.1	3.51	28	02.1	B9	CZ	5529	P -49 1538
80	9.7E	8.8H	10 13.849	-0.0030	12	-40 20 2.86	-0.016	12	0.85	14.001	63	99.2	2.07	57	99.2	K5	CZ	5518	P -40 2205
81	8.8E	8.0H	10 19.207	-0.0027	12	-48 15 28.66	0.007	12	0.71	19.335	45	03.2	28.97	45	03.2	K0	CZ	5531	P -48 1552
82	10.3E	9.8Z	10 20.807	-0.0035	12	-46 5 0.54	0.001	12	0.71	20.970	45	03.2	0.58	45	03.2	A0	CZ	5527	P -45 2244
83	10.6E	10.0H	10 21.720	-0.0001	12	-46 4 56.29	0.016	12	0.71	21.724	45	03.2	57.03	45	03.2	A0	CZ	5528	P -45 2244
84	9.1E	9.6H	10 22.372	-0.0062	12	-44 18 42.14	0.003	12	0.75	22.684	45	99.6	42.29	45	99.6	K0	CZ	5523	P -44 2334
85	9.3E	9.8H	10 24.019	-0.0021	12	-48 35 43.70	-0.002	12	0.71	24.117	45	03.2	43.58	45	03.2	B9	CZ	5536	P -48 1553
86		6.4T	10 25.163	-0.0033	12	-43 14 59.56	-0.012	10	0.61	25.334	17	98.0	58.89	15	94.7	K2	GC	11171	C -43 4028
87	6.1I		10 25.576	-0.0006	07	-46 29 36.76	0.007	07	0.33	25.601	14	09.2	37.08	14	06.4	F8P	GC	11172X	C*-46 3902
88	11.6E	9.8H	10 26.229	-0.0007	12	-43 14 48.56	0.007	12	0.76	26.265	45	98.6	48.93	45	98.6	K2	CZ	5525	P -43 2300
89	7.7E	8.0H	10 27.186	-0.0006	12	-45 50 35.79	0.027	12	0.71	27.214	45	03.2	37.05	45	03.2	G5	CZ	5533	P -45 2246
90	8.5E	9.6H	10 27.996	-0.0007	12	-46 3 33.47	-0.003	12	0.71	28.029	45	03.2	33.31	45	03.2	A0	CZ	5535	P -45 2248
91	9.4E	10.2H	10 29.065	-0.0001	12	-45 14 8.35	-0.011	12	0.71	29.072	45	03.2	7.83	45	03.2	A0	CZ	5534	P -45 2247
92		8.1T	10 30.801	-0.0110	20	-40 21 14.59	0.080	20	0.94	31.319	18	03.0	18.35	19	03.0	G0	GC	11173	C -40 3959
93	8.9E	9.3Z	10 34.570	-0.0010	12	-40 17 3.92	-0.008	12	0.85	34.621	63	99.2	3.53	57	99.2		CZ	5530	P -40 2216
94	8.1E	9.4H	10 34.883	-0.0010	12	-45 42 8.64	-0.011	12	0.71	34.930	45	03.2	8.11	45	03.2	B8	CZ	5538	P -45 2249
95	9.1E	9.8H	10 37.603	-0.0011	12	-43 49 44.54	-0.003	12	0.76	37.659	45	98.6	44.39	45	98.6	B8	CZ	5537	P -43 2307
96	9.6E	8.5H	10 45.583	-0.0033	12	-49 40 39.93	0.004	12	0.71	45.735	45	03.6	40.11	45	03.6	G5	CZ	5547	P -49 1546
97	9.0E	8.5H	10 47.418	-0.0028	12	-49 43 3.86	-0.033	12	0.71	47.538	45	03.6	2.32	45	03.6	F8	CZ	5549	P -49 1547
98	9.4E	10.5H	10 50.426	-0.0004	12	-45 57 29.90	-0.013	12	0.71	50.445	45	03.2	29.28	45	03.2	A0	CZ	5544	P -45 2256
99	9.5E		10 52.765	-0.0021	12	-46 7 44.38	-0.011	12	0.67	52.864	36	02.6	43.85	36	02.6		CZ	5545	P -45 2258
00	9.1E	9.4H	10 54.520	-0.0017	12	-40 20 13.90	-0.013	12	0.85	54.606	63	99.2	13.26	57	99.2	A0	CZ	5540	P -40 2229

219600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −40° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.1E	9.3H	8 10 55.301	−0.0010	12	−40 32 7.05	−0.007	12	0.85	55.352	63	99.2	7.51	57	99.2	F0	CZ	5541	P −40 2230
2		6.1T	10 55.590	0.0002	12	−46 6 46.55	0.011	12	0.67	55.581	22	99.5	47.16	21	97.0	B3	GC	11181K	C+−45 3692
3	8.3E	8.0H	10 55.609	−0.0056	12	−44 54 32.22	0.050	12	0.68	55.894	31	99.1	34.76	28	99.1	G5	CZ	5546	P −44 2343
4	9.7E	10.5H	10 55.626	−0.0008	12	−45 16 9.34	−0.010	12	0.71	55.666	45	03.2	8.86	45	03.2	B9	CZ	5548	P −45 2257
5	8.8E	9.4H	10 55.792	−0.0020	12	−47 24 15.78	−0.005	12	0.64	55.890	28	01.2	15.53	28	01.2	B8	CZ	5554	P −47 1972
6	8.9E	9.0H	10 56.573	−0.0021	12	−40 18 5.80	0.023	12	0.85	56.680	63	99.2	6.98	57	99.2	A3	CZ	5542	P −40 2231
7	8.9E	9.0H	10 57.288	−0.0056	12	−49 17 42.48	0.015	12	0.64	57.558	31	02.2	43.20	28	02.2	F0	CZ	5556	P −49 1550
8	8.8E	9.8H	10 58.402	−0.0012	12	−45 25 41.98	−0.016	12	0.67	59.461	36	02.6	41.21	36	02.6	A0	CZ	5553	P −45 2280
9	9.9E	9.2H	11 0.371	−0.0025	12	−44 14 27.36	0.013	12	0.75	0.495	45	99.6	28.01	45	99.6	K2	CZ	5552	P −44 2345
10	9.5E	10.0Z	11 2.899	−0.0014	12	−47 23 0.33	−0.020	12	0.68	2.966	36	02.2	−59.36	36	02.2	B8	CZ	5559	P −47 1977
11	8.8E	9.0H	11 4.300	−0.0006	12	−41 45 32.33	−0.004	12	0.74	4.329	45	00.1	32.13	45	00.1	B9	CZ	5551	P −41 2249
12	9.5E	10.2H	11 8.358	−0.0011	12	−44 32 41.42	−0.004	12	0.66	8.413	28	99.7	41.21	26	99.7	B9	CZ	5558	P −44 2347
13	9.4E	10.0H	11 9.483	−0.0025	12	−43 36 22.32	−0.004	12	0.68	9.615	28	97.8	22.12	26	97.8	A2	CZ	5557	P −43 2317
14	8.9E	9.8H	11 12.017	−0.0008	12	−45 27 43.41	−0.011	12	0.67	12.057	36	02.6	42.88	36	02.6	A0	CZ	5561	P −45 2283
15	8.3E	8.6H	11 17.435	−0.0007	12	−41 40 4.09	−0.007	12	0.66	17.470	28	99.1	3.73	26	99.1	B8	CZ	5560	P −41 2251
16	9.2E	9.2H	11 26.099	−0.0013	12	−49 39 24.46	0.005	12	0.71	26.159	45	03.6	24.69	45	03.6	A0	CZ	5568	P −49 1554
17	9.4E	10.0H	11 33.798	−0.0032	12	−48 51 39.52	0.010	12	0.71	33.949	45	03.2	40.00	45	03.2	F0	CZ	5570	P −48 1559
18	9.1E	9.9H	11 35.104	−0.0014	12	−41 6 24.86	0.000	12	0.67	35.176	28	98.5	24.88	26	98.5	A0	CZ	5563	P −40 2251
19	9.3E	8.8H	11 37.347	−0.0013	12	−41 15 45.01	−0.004	12	0.70	37.412	36	99.8	44.83	36	99.8	MA	CZ	5564	P −41 2257
20	8.0E	8.5H	11 38.233	−0.0012	12	−42 32 53.05	0.008	12	0.66	38.295	28	99.1	53.45	26	99.1	A0	CZ	5566	P −42 2223
21	8.3E	8.5H	11 54.441	−0.0026	12	−48 17 34.45	0.008	12	0.65	54.567	31	01.8	34.82	28	01.8	B8	CZ	5577	P −48 1561
22	8.9E	9.7H	11 58.052	0.0000	12	−40 32 53.42	−0.015	12	0.67	58.051	28	98.3	52.66	26	98.3	A0	CZ	5571	P −40 2255
23	9.9E	9.9H	11 59.532	−0.0014	12	−41 25 49.33	−0.009	12	0.70	59.603	36	99.8	48.89	36	99.8	K0	CZ	5572	P −41 2266
24	8.2E	9.3H	11 59.734	−0.0015	12	−45 48 29.22	0.013	12	0.67	59.805	36	02.6	29.83	36	02.6	F2	CZ	5575D	P −45 2274
25	8.9E	9.4H	12 0.387	−0.0005	12	−45 48 24.04	−0.016	12	0.67	0.410	36	02.6	23.26	36	02.6	F2	CZ	5576D	P −45 2274
26	9.2E	9.1H	12 0.458	−0.0003	12	−45 18 39.68	−0.013	12	0.64	0.475	28	01.4	39.04	26	01.4	B8	CZ	5574	P −45 2273
27		9.2T	12 1.128	−0.0007	18	−46 49 48.38	−0.007	20	0.92	1.160	29	03.2	48.03	26	03.9		GC	11205	C −46 3926
28		9.3T	12 1.812	−0.0085	22	−41 18 47.61	−0.006	22	1.06	2.207	19	03.6	47.89	19	03.6	B9	GC	11206K	C+−41 3896
29		5.3T	12 2.278	−0.0002	08	−46 50 21.73	−0.005	08	0.34	2.285	14	12.3	21.55	14	09.5	B3	GC	11207	C+−46 3929
30	9.0E	9.9H	12 9.020	−0.0030	12	−41 8 14.45	−0.010	12	0.85	9.172	63	99.2	13.96	57	99.2	A5	CZ	5578	P −40 2261
31		6.5T	12 10.824	−0.0012	10	−46 25 34.26	−0.006	09	0.57	10.890	19	95.9	33.93	18	91.4	B3	GC	11212	C −46 3931
32	8.9E	9.8H	12 13.440	−0.0018	12	−46 47 11.04	−0.000	12	0.67	13.524	36	03.2	11.04	36	03.2	B9	CZ	5588	P −46 2286
33	9.8E	9.8Z	12 15.649	−0.0026	12	−43 45 21.73	0.011	12	0.68	15.783	28	98.1	22.30	26	98.1	A0	CZ	5585	P −43 2337
34	10.9E	10.2H	12 15.848	−0.0016	12	−43 45 30.92	−0.010	12	0.76	15.929	45	98.6	30.40	45	98.6	A0	CZ	5586	P −43 2337
35		4.4T	12 16.284	0.0035	06	−40 11 39.07	−0.070	05	0.26	16.140	12	08.5	35.83	10	03.7	K0	GC	11215K	C+−39 4128
36	8.6E	8.1H	12 16.596	−0.0021	12	−41 27 5.85	0.066	12	0.67	16.704	28	98.9	9.24	26	98.9	F5	CZ	5584	P −41 2275
37	10.0E	10.5H	12 16.836	−0.0007	12	−48 47 31.54	0.000	12	0.71	16.870	45	03.2	31.54	45	03.2	B8	CZ	5594	P −48 1566
38	8.1E	8.8H	12 19.111	−0.0008	12	−47 3 32.85	−0.003	12	0.67	19.149	36	03.2	32.70	36	03.2	A0	CZ	5591	P −46 2288
39		7.4T	12 19.783	−0.0047	17	−44 35 55.52	0.039	16	0.84	19.998	24	04.5	57.28	24	04.5	K0	GC	11218	C −44 4190
40		6.6T	12 26.223	0.0036	13	−44 25 21.80	0.057	13	0.70	26.045	18	99.9	24.76	21	97.8	F0	GC	11221	C −44 4192
41	9.7E	9.5H	12 31.235	−0.0019	12	−40 58 31.18	0.010	12	0.85	31.330	63	99.2	31.71	57	99.2	K0	CZ	5592	P −40 2268
42		7.4T	12 31.490	−0.0088	16	−46 45 58.35	0.063	17	0.79	31.894	24	04.1	+ 1.26	24	04.1	F5	GC	11225	C −46 3938
43	10.0E	9.2H	12 32.134	−0.0013	12	−49 24 4.28	0.009	12	0.71	32.196	45	03.6	4.70	45	03.6	G5	CZ	5603	P −49 1562
44	8.7E	8.6H	12 32.780	−0.0040	12	−46 29 32.31	0.002	12	0.71	32.966	45	03.6	32.39	45	03.6	K0	CZ	5599	P −46 2294
45	8.5E	8.9H	12 37.563	0.0002	12	−43 32 31.61	0.021	12	0.76	37.554	45	98.6	32.69	45	98.6	G5	CZ	5597D	P+−43 2345
46		8.2T	12 39.708	−0.0025	13	−49 4 53.55	−0.013	10	0.63	39.828	19	01.3	52.86	18	98.0	A0	GC	11230	C −48 3620
47	7.6E	7.9H	12 40.906	−0.0026	12	−40 21 15.56	−0.029	12	0.85	40.775	63	99.2	14.26	57	99.2	A0	CZ	5595	P −40 2272
48	8.6E	8.9H	12 41.101	−0.0019	12	−48 19 19.67	−0.015	12	0.71	41.191	45	03.2	20.36	45	03.2	B9	CZ	5609	P −48 1568
49	9.4E	9.5Z	12 42.839	−0.0003	12	−40 23 58.14	−0.015	12	0.85	42.824	63	99.2	57.39	57	99.2		CZ	5596	P −40 2275
50	9.2E	8.5Z	12 43.720	−0.0019	12	−45 46 0.41	−0.004	12	0.71	43.808	45	03.2	0.21	45	03.2		CZ	5606	P −45 2284
51		6.7T	8 12 43.993	−0.0019	13	−40 40 21.02	−0.003	12	0.67	44.088	19	00.4	20.87	19	96.5	B5	GC	11232	C −40 4014
52		9.0T	12 44.543	0.0006	15	−45 41 4.55	−0.021	14	0.73	44.516	24	03.1	3.57	22	02.4	K0	GC	11233K	C −45 3913
53	9.9E	10.0H	12 46.098	−0.0008	12	−42 57 10.67	0.006	12	0.74	46.138	45	00.1	10.98	45	00.1	B9	CZ	5604	P −42 2256
54		8.3T	12 46.311	−0.0066	13	−48 53 47.56	−0.017	10	0.65	46.633	22	00.9	46.60	19	94.4	A0	GC	11234	C −48 3622
55	10.0E	9.5Z	12 46.925	−0.0030	12	−49 11 24.47	0.009	12	0.71	47.065	45	03.6	24.89	45	03.6		CZ	5615	P −48 1571
56	10.0E	8.5Z	12 47.019	0.0001	12	−40 48 25.42	0.022	12	0.85	47.013	63	99.2	26.56	57	99.2		CZ	5602	P −40 2278
57		6.0T	12 47.439	−0.0010	07	−45 40 52.74	0.007	06	0.31	47.482	14	07.9	53.10	12	02.2	B3	GC	11235K	C+−45 3914
58	8.9E	9.0H	12 49.325	−0.0061	12	−45 8 32.54	−0.012	12	0.75	49.630	45	99.6	31.95	45	99.6	F5	CZ	5611	P −44 2390
59	7.9E	8.2H	12 53.776	−0.0013	12	−45 3 39.03	−0.002	12	0.75	53.840	45	99.6	38.90	45	99.6	B8	CZ	5613	P −44 2392
60	9.8E	9.8H	12 53.844	−0.0031	12	−49 48 48.43	0.003	12	0.71	53.987	45	03.6	48.57	45	03.6	F5	CZ	5620	P −49 1565
61	9.5E	9.9H	12 58.288	−0.0006	12	−42 0 52.73	0.004	12	0.74	58.318	45	00.1	52.92	45	00.1	A0	CZ	5612	P −41 2298
62	10.1E	9.0Z	13 2.182	−0.0015	12	−41 55 44.79	0.017	12	0.66	2.258	28	99.0	45.65	26	99.0		CZ	5616	P −41 2300
63	9.2E	10.2H	13 3.755	−0.0009	12	−45 53 40.06	0.002	12	0.71	3.797	45	03.2	40.14	45	03.2	B3	CZ	5622	P −45 2289
64	9.0E	9.8H	13 4.990	−0.0018	12	−46 43 18.56	−0.008	12	0.71	5.073	45	03.6	18.18	45	03.6	B8	CZ	5623	P −46 2301
65	9.4E	9.5H	13 6.114	−0.0015	12	−42 3 52.31	0.016	12	0.74	6.189	45	00.1	53.10	45	00.1	G0	CZ	5618	P −41 2303
66	7.9E	8.1H	13 6.189	−0.0009	12	−41 53 9.74	−0.011	12	0.74	6.234	45	00.1	9.19	45	00.1	B8	CZ	5617	P −41 2302
67	9.5E	10.5H	13 7.322	−0.0022	12	−46 45 12.59	0.001	12	0.71	7.424	45	03.6	12.62	45	03.6	B5	CZ	5626	P −46 2302
68	8.8E	8.9H	13 9.317	−0.0018	12	−46 59 14.13	−0.007	12	0.71	8.400	45	03.6	13.80	45	03.6	F8	CZ	5628	P −46 2303
69	8.4E	7.9H	13 9.709	−0.0001	12	−40 50 58.94	−0.020	12	0.85	9.714	63	99.2	57.95	57	99.2	G5	CZ	5619	P −40 2287
70	9.5E	10.2H	13 10.648	−0.0012	12	−45 11 51.83	−0.000	12	0.71	10.706	45	03.2	51.82	45	03.2	A0	CZ	5627	P −44 2397
71	8.8E	9.0H	13 11.623	−0.0023	12	−45 40 6.14	0.021	12	0.71	11.730	45	03.2	7.11	45	03.2	G5	CZ	5629	P −45 2292
72	9.3E	9.6H	13 12.908	−0.0022	12	−43 20 34.94	−0.002	12	0.76	13.022	45	98.6	34.85	45	98.6	B9	CZ	5624	P −43 2358
73	8.4E	9.2H	13 14.095	−0.0024	12	−49 49 46.91	−0.012	12	0.71	15.006	45	03.6	46.35	45	03.6	A0	CZ	5632	P −49 1569
74		6.6T	13 15.919	−0.0024	11	−46 19 55.55	0.019	10	0.58	16.046	18	97.4	56.62	18	95.2	B3P	GC	11243	C+−46 3951
75	8.5E	8.8H	13 23.880	0.0008	12	−40 16 46.00	−0.016	12	0.67	23.838	28	98.1	45.19	26	98.1	B9	CZ	5630	P −40 2289
76	9.1E	9.8H	13 26.080	−0.0022	12	−46 3 39.06	0.010	12	0.71	26.183	45	03.2	39.51	45	03.2	F0	CZ	5633	P −45 2296
77	8.5E	9.0H	13 34.600	−0.0040	12	−43 21 51.17	0.033	12	0.76	34.806	45	98.6	52.87	45	98.6	A5	CZ	5634	P −43 2367
78	8.7E	8.9H	13 39.073	0.0001	12	−46 1 53.41	−0.015	12	0.71	39.068	45	03.2	52.70	45	03.2	K0	CZ	5637	P −45 2303
79	9.6E	9.3H	13 43.833	−0.0018	12	−41 23 32.64	0.004	12	0.74	43.922	45	00.1	32.86	45	00.1	B9	CZ	5635	P −41 2314
80	9.6E	9.1H	13 45.482	−0.0024	12	−42 16 42.72	−0.002	12	0.67	45.605	28	98.8	42.61	26	98.8	G5	CZ	5636	P −42 2277
81		8.1T	13 46.027	−0.0050	12	−49 1 34.33	−0.011	10	0.62	46.282	21	98.6	33.70	18	93.8	A0	GC	11253	C −48 3633
82	9.7	8.2W	13 47.497	0.0002	10	−40 6 30.41	0.017	10	0.29	47.494	28	36.3	50.65	22	36.3	K2	GB	3586	C −39 4154
83	9.4E	9.4H	13 48.320	−0.0027	12	−49 58 34.32	−0.007	12	0.71	48.445	45	03.6	54.00	45	03.6	A0	CZ	5646	P −49 1572
84	9.0E	9.0Z	13 49.648	−0.0039	12	−49 4 1.90	−0.126	12	0.71	49.831	45	03.2	−55.61	45	03.2		CZ	5645	P −48 1577
85	9.4E	10.9H	13 51.112	−0.0017	12	−47 5 18.95	−0.005	12	0.71	51.191	45	03.6	18.71	45	03.6	A0	CZ	5640	P −46 2320
86	8.9E	10.0H	13 51.959	−0.0022	12	−46 53 35.02	0.001	12	0.71	52.061	45	03.6	35.05	45	03.6	A0	CZ	5642	P −46 2319
87	8.9E	9.4H	13 52.874	−0.0026	12	−45 4 7.49	−0.004	12	0.75	53.002	45	99.6	7.31	45	99.6	A0	CZ	5638	P −44 2413
88	9.0E	10.9H	13 53.989	−0.0020	12	−45 51 2.83	0.004	12	0.71	54.082	45	03.2	3.00	45	03.2	A3	CZ	5641	P −45 2310
89	9.5E	8.5H	13 55.922	−0.0016	12	−47 26 31.39	−0.001	12	0.72	55.999	45	02.1	31.33	45	02.1	G5	CZ	5647	P −47 2016
90	9.4E	10.5H	13 56.350	−0.0017	12	−45 4 22.49	0.002	12	0.75	56.433	45	99.6	22.61	45	99.6	A0	CZ	5643	P −44 2415
91	9.0E	9.4H	13 57.704	−0.0013	12	−47 18 31.17	−0.007	12	0.72	57.766	45	02.1	30.83	45	02.1	A2	CZ	5649	P −47 2017
92		8.4T	14 0.246	−0.0054	13	−48 53 44.99	0.006	10	0.61	0.509	18	01.0	45.29	21	98.5	A0	GC	11261	C −48 3638
93	8.5E	9.1H	14 2.789	−0.0011	12	−44 10 5.74	0.010	12	0.75	2.843	45	99.6	6.25	45	99.6	B8	CZ	5648	P −43 2384
94		7.8T	14 9.749	−0.0015	22	−49 50 18.72	−0.006	18	0.97	9.818	21	04.4	18.42	19	03.1	B8	GC	11264	C −49 3456
95		7.9T	14 14.823	−0.0008	15	−49 6 35.07	−0.003	11	0.69	14.859	22	01.9	34.89	21	96.1	A2	GC	11265	C −48 3642
96		6.8T	14 17.272	−0.0020	12	−46 9 29.29	0.044	10	0.61	17.376	21	98.4	31.74	19	93.5	A2	GC	11266	C −45 3942
97	9.1E	10.0H	14 20.944	−0.0021	12	−47 39 15.53	0.002	12	0.72	21.045	45	02.1	15.60	45	02.1	A0	CZ	5659	P −47 2025
98	8.4E	9.0H	14 22.172	−0.0019	12	−47 23 11.63	−0.002	12	0.72	22.263	45	02.1	11.52	45	02.1	B9	CZ	5660	P −47 2026
99	7.8E	8.2H	14 22.972	−0.0025	12	−44 10 3.82	0.011	12	0.75	23.096	45	99.6	4.38	45	99.6	B2	CZ	5655	P −43 2396
00	8.6E	9.0H	14 23.462	−0.0053	12	−44 3 23.67	0.026	12	0.68	23.737	28	98.0	25.01	26	98.0	F8	CZ	5657	P −43 2397

219700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1	9.2E	9.2H	8 14 25.949	-0.0005	12	-47 1 50.61	-0.047	12	0.71	25.973	45	03.6	48.42	45	03.6	F8	CZ	5661	P -46 2331
2		8.3T	14 31.886	-0.0008	12	-49 1 49.26	-0.012	10	0.61	31.924	22	99.4	48.59	19	95.0	B9	GC	11278	C -48 3647
3	8.3E	8.1H	14 38.709	-0.0010	12	-44 11 17.58	0.021	12	0.75	38.758	45	99.6	18.63	45	99.6	A0	CZ	5663	P -43 2404
4	9.4E	8.3H	14 39.374	-0.0017	12	-41 43 28.92	0.001	12	0.74	39.459	45	00.1	28.96	45	00.1	K2	CZ	5662	P -41 2321
5	9.0E	9.8H	14 41.178	-0.0017	12	-47 19 11.80	-0.017	12	0.72	41.259	45	02.1	10.97	45	02.1	B8	CZ	5667	P -47 2031
6	9.4E	9.1H	14 43.305	-0.0018	12	-45 0 32.25	0.004	12	0.75	43.393	45	99.6	32.46	45	99.6	K0	CZ	5666	P -44 2430
7	9.2E	9.3H	14 45.787	-0.0000	12	-42 6 18.72	-0.001	12	0.66	45.788	28	99.0	18.66	26	99.0	B9	CZ	5665	P -41 2322
8	9.1E	10.0H	14 50.854	-0.0033	12	-46 16 28.91	0.019	12	0.71	51.007	45	03.6	29.78	45	03.6	F2	CZ	5668	P -48 2343
9	8.8E	9.6H	14 56.111	-0.0024	12	-47 40 27.82	-0.016	12	0.72	56.226	45	02.1	27.04	45	02.1	A3	CZ	5671	P -47 2033
10	8.5E	8.6H	14 56.270	-0.0012	12	-45 54 12.31	0.006	12	0.65	56.328	31	01.5	12.59	28	01.5	K0	CZ	5669	P -45 2328
11	9.1E	9.2H	15 3.686	-0.0024	12	-45 25 31.05	0.014	12	0.65	3.804	31	01.5	31.72	28	01.5	G5	CZ	5673	P -45 2330
12	8.9E	9.8H	15 6.800	-0.0020	12	-47 54 12.36	0.020	12	0.72	6.896	45	02.1	13.30	45	02.1	A0	CZ	5677	P -47 2037
13	8.6E	9.0H	15 7.277	-0.0017	12	-48 16 51.67	-0.004	12	0.65	7.360	31	01.8	51.46	28	01.8	A0	CZ	5678	P -48 1585
14	9.7E	9.9H	15 7.777	-0.0004	12	-41 43 9.23	-0.021	12	0.74	7.797	45	00.1	8.18	45	00.1	B8	CZ	5672	P -41 2326
15	8.5E	9.2H	15 8.921	-0.0030	12	-43 16 37.54	-0.001	12	0.76	9.075	45	98.6	37.50	45	98.6	A3	CZ	5674	P -43 2409
16	7.7E	8.5H	15 9.330	-0.0014	12	-49 44 23.65	-0.012	12	0.71	9.397	45	03.6	23.10	45	03.6	B5	CZ	5683	P -49 1582
17	9.6E	9.4H	15 10.143	-0.0020	12	-49 48 23.51	0.001	12	0.71	10.234	45	03.6	23.55	45	03.6	A2	CZ	5685	P -49 1583
18	8.0E	8.3H	15 10.801	-0.0007	12	-48 23 19.14	0.003	12	0.71	10.835	45	03.2	19.27	45	03.2	A0	CZ	5682	P -48 1586
19	8.7E	8.9H	15 12.255	-0.0018	12	-48 34 59.74	-0.001	12	0.65	12.340	31	01.8	59.67	28	01.8	A0	CZ	5684	P -48 1587
20	8.8E	10.0H	15 13.818	-0.0020	12	-45 51 23.07	0.004	12	0.71	13.912	45	03.2	23.25	45	03.2	B9	CZ	5680	P -45 2333
21	9.8E	9.4H	15 14.260	-0.0021	12	-49 54 35.32	0.002	12	0.71	14.358	45	03.6	35.41	45	03.6	F0	CZ	5687	P -49 1584
22	9.1E	10.2H	15 14.654	-0.0026	12	-46 28 16.82	-0.006	12	0.71	14.775	45	03.6	16.44	45	03.6	B9	CZ	5681	P -46 2350
23	9.5E	9.8H	15 15.437	-0.0009	12	-49 6 45.55	-0.003	12	0.71	15.480	45	03.2	45.41	45	03.2	B9	CZ	5686	P -48 1588
24	9.0E	9.1H	15 16.592	-0.0035	12	-42 33 57.33	-0.011	12	0.74	16.767	45	00.1	56.77	45	00.1	A2	CZ	5676	P -42 2309
25	8.7E	9.2H	15 18.528	-0.0025	12	-42 56 15.30	0.005	12	0.67	18.656	28	98.9	15.56	26	98.9	A2	CZ	5679	P -42 2311
26		8.0T	15 24.360	-0.0028	14	-45 35 46.40	0.018	11	0.68	24.497	22	01.4	47.39	21	96.4	K0	GC	11310	C -45 3959
27	9.9E	10.9H	15 25.916	-0.0045	12	-45 24 30.00	0.025	12	0.71	26.129	45	03.2	31.16	45	03.2	F5	CZ	5689	P -45 2335
28	7.6	7.8M	15 27.661	-0.0024	13	-40 5 8.71	0.002	13	0.26	27.694	15	36.3	8.74	21	36.3	A0	CS	3606	C -39 4183
29	9.3E	9.8H	15 28.363	-0.0023	12	-48 5 32.43	-0.004	12	0.72	28.474	45	02.1	32.22	45	02.1	A0	CZ	5693	P -47 2039
30	9.7E	9.8H	15 30.119	-0.0026	12	-49 35 22.86	0.006	12	0.71	30.239	45	03.6	23.14	45	03.6	A0	CZ	5695	P -49 1586
31	9.0E	10.5H	15 30.125	-0.0012	12	-47 16 1.80	-0.001	12	0.72	30.183	45	02.1	1.74	45	02.1	B8	CZ	5692	P -47 2038
32	8.2E	9.0H	15 32.234	-0.0011	12	-44 30 39.39	0.010	12	0.75	32.288	45	99.6	39.89	45	99.6	A0	CZ	5691	P -44 2442
33		7.3T	15 34.471	-0.0015	12	-42 21 55.76	0.002	10	0.64	34.547	22	99.4	55.85	19	94.7	B2	GC	11314	C -42 4090
34	7.7E	8.3H	15 39.460	0.0000	12	-47 30 34.72	0.000	12	0.66	39.458	31	00.8	34.72	28	00.8	B9	CZ	5697	P -47 2044
35	9.3E	8.5Z	15 41.646	-0.0037	12	-47 34 36.03	0.005	12	0.68	41.824	36	02.2	36.26	36	02.2		CZ	5700	P -47 2046
36	7.6E	7.8H	15 41.821	-0.0019	12	-46 44 13.53	0.004	12	0.71	41.908	45	03.6	13.71	45	03.6	A0	CZ	5698	P -46 2358
37	8.5E	8.9H	15 43.512	-0.0022	12	-40 51 7.17	0.004	12	0.68	43.626	28	97.9	7.40	26	97.9	A0	CZ	5694	P -40 2325
38	8.8E	9.0H	15 44.247	-0.0036	12	-45 1 55.65	0.004	12	0.68	44.433	31	99.1	55.87	28	99.1	F5	CZ	5696	P -44 2444
39	9.2E	10.0H	15 45.213	-0.0019	12	-46 51 26.13	-0.000	12	0.65	45.300	36	04.1	26.12	36	04.1	B9	CZ	5702	P -46 2364
40		6.9T	15 47.066	0.0017	14	-47 45 50.17	0.005	10	0.66	46.981	19	00.9	50.46	18	96.4	B5	GC	11319	C -47 3771
41	8.4E	9.1H	15 49.250	-0.0019	12	-43 27 45.20	-0.003	12	0.68	49.348	28	98.1	45.05	26	98.0	B3	CZ	5699	P -43 2420
42	9.3E	10.0H	15 52.156	-0.0022	12	-46 23 57.00	-0.004	12	0.65	52.258	36	04.1	56.80	36	04.1	B9	CZ	5704	P -46 2365
43	8.7E	9.3H	15 55.185	-0.0009	12	-41 33 5.63	-0.008	12	0.66	55.230	28	99.1	5.24	26	99.1	A0	CZ	5701	P -41 2337
44	8.2E	8.2H	16 4.044	-0.0022	12	-46 55 11.64	0.029	12	0.65	4.145	36	04.1	12.96	36	04.1	F0	CZ	5708	P -46 2373
45	9.6E	8.7H	16 6.604	-0.0015	12	-41 46 15.51	-0.021	12	0.74	6.679	45	00.1	14.45	45	00.1	K0	CZ	5705	P -41 2342
46	9.5E	9.8H	16 8.698	-0.0013	12	-48 58 37.94	-0.011	12	0.67	8.760	36	02.9	37.43	36	02.9	G5	CZ	5710	P -48 1599
47	9.2E	9.8H	16 9.973	-0.0024	12	-43 23 19.89	0.004	12	0.76	10.096	45	98.6	20.10	45	98.6	B8	CZ	5707	P -43 2427
48	9.7E	11.3H	16 18.704	-0.0008	12	-46 54 50.03	-0.017	12	0.65	18.741	36	04.1	49.24	36	04.1	A0	CZ	5714	P -46 2381
49	8.8E	8.9H	16 19.192	-0.0010	12	-41 57 9.18	-0.003	12	0.67	19.243	28	98.9	9.02	26	98.9	B8	CZ	5709	P -41 2351
50	10.0E	9.9H	16 25.835	-0.0013	12	-41 58 55.14	0.004	12	0.68	25.898	36	01.8	55.32	36	01.8	A0	CZ	5712	P -41 2353
51	7.1E	7.3H	8 16 26.576	-0.0024	12	-46 56 6.24	0.002	12	0.63	26.689	28	02.6	6.33	26	02.6	B5	CZ	5717	P -46 2383
52	9.8E	8.6H	16 26.954	0.0008	12	-41 6 11.67	-0.011	12	0.85	26.913	63	99.2	11.13	57	99.2	K0	CZ	5711	P -40 2333
53	12.4E	11.0H	16 27.176	-0.0020	12	-41 58 50.83	0.010	12	0.68	27.273	36	01.8	51.31	36	01.8	A0	CZ	5713	P -41 2353
54	9.6E	9.8H	16 28.132	-0.0021	12	-44 24 5.85	-0.044	12	0.65	28.256	28	00.4	3.67	26	00.4	G0	CZ	5715	P -44 2458
55	9.1E	9.3H	16 35.721	-0.0010	12	-40 34 12.30	-0.017	12	0.85	35.771	63	99.2	11.45	57	99.2	B9	CZ	5716	P -40 2336
56	9.8E	10.2H	16 36.128	-0.0006	12	-45 29 12.39	-0.010	12	0.63	36.158	28	02.4	11.90	26	02.4	A0	CZ	5719	P -45 2354
57	9.2E	9.4H	16 36.328	-0.0034	12	-47 6 2.90	0.027	12	0.65	36.484	36	04.1	4.13	36	04.1	F0	CZ	5720	P -46 2390
58	10.0E	10.9H	16 36.368	-0.0021	12	-48 49 55.82	-0.009	12	0.63	36.469	28	01.9	55.39	26	01.9	A2	CZ	5725	P -48 1603
59	9.4E	8.8H	16 38.969	-0.0074	12	-40 12 4.14	-0.073	12	0.85	39.344	63	99.2	0.45	57	99.2	G5	CZ	5718	P -39 2280
60	9.5E	10.0H	16 39.928	-0.0013	12	-45 54 14.60	-0.005	12	0.66	39.988	36	03.8	14.36	36	03.8	A2	CZ	5722	P -45 2356
61	8.8E	9.0H	16 44.782	-0.0033	12	-46 58 40.07	0.006	12	0.65	44.934	36	04.1	40.33	36	04.1	F2	CZ	5726D	P -46 2392
62	8.5E	8.8H	16 45.240	-0.0006	12	-46 58 35.53	0.016	12	0.65	45.287	36	04.1	36.25	36	04.1	F2	CZ	5727D	P -46 2392
63	9.1E	9.2H	16 45.933	-0.0026	12	-44 6 33.68	0.003	12	0.69	46.061	36	00.4	33.83	36	00.4	B8	CZ	5724	P -43 2439
64	8.0E	8.3H	16 49.730	-0.0008	12	-40 14 32.19	-0.028	12	0.85	49.769	63	99.2	30.78	57	99.2	B9	CZ	5721	P -40 2340
65	8.6E	8.0H	16 50.352	-0.0011	12	-40 10 20.29	-0.049	12	0.85	50.407	63	99.2	17.81	57	99.2	K0	CZ	5723	P -39 2285
66	9.2E	9.3H	16 59.310	0.0001	12	-41 8 29.12	0.003	12	0.85	59.304	63	99.2	29.29	57	99.2	A0	CZ	5728	P -40 2344
67	9.5E	9.0H	17 1.132	-0.0007	12	-41 40 9.44	-0.000	12	0.64	1.166	26	00.5	9.44	24	00.5	K2	CZ	5730	P -41 2359
68	9.1E	8.7H	17 2.328	-0.0004	12	-40 53 22.25	-0.012	12	0.85	2.348	63	99.2	21.66	57	99.2	A2	CZ	5729	P -40 2346
69	9.6E	10.3H	17 6.572	0.0001	12	-41 43 0.42	-0.001	12	0.72	6.567	45	02.2	0.36	45	02.2	A0	CZ	5732	P -41 2362
70	9.6E	9.7H	17 7.180	0.0015	12	-40 24 31.39	-0.033	12	0.85	7.103	63	99.2	29.74	57	99.2	F2	CZ	5731	P -40 2348
71	9.4E	9.4H	17 8.043	-0.0034	12	-42 35 44.12	0.008	12	0.65	8.212	28	00.5	44.51	26	00.5	F0	CZ	5733	P -42 2348
72		7.2T	17 10.387	-0.0007	09	-42 22 9.18	-0.017	09	0.41	10.417	15	07.3	8.40	14	05.2	K0	GC	11352	C -42 4113
73	9.2E	8.8H	17 10.530	-0.0047	12	-45 54 7.76	0.023	12	0.66	10.747	36	03.8	8.81	36	03.8	K0	CZ	5737	P -45 2367
74	7.8E	8.3H	17 11.447	-0.0024	12	-47 36 0.46	0.011	12	0.68	11.561	36	02.2	0.98	36	02.2	A0	CZ	5741	P -47 2073
75	9.2E	9.2H	17 14.221	-0.0011	12	-45 44 36.54	0.002	12	0.66	14.272	36	03.8	36.62	36	03.8	B8	CZ	5740	P -45 2369
76		8.0T	17 15.239	0.0016	11	-44 52 40.34	0.014	11	0.65	15.150	24	92.8	41.11	21	94.1	A0	GC	11354K	C*-44 4282
77	8.5E	9.5H	17 16.828	-0.0006	12	-41 49 26.35	0.003	12	0.72	16.857	45	02.2	26.49	45	02.2	B9	CZ	5736	P -41 2366
78	9.4E	8.4H	17 17.369	-0.0007	12	-40 41 32.93	0.002	12	0.85	17.404	63	99.2	33.06	57	99.2	K0	CZ	5735	P -40 2351
79	9.2E	9.5Z	17 19.567	-0.0018	12	-44 53 45.34	0.001	12	0.65	19.654	31	01.2	45.40	28	01.2		CZ	5742	P -44 2476
80	9.9E	9.5H	17 20.850	-0.0003	12	-41 22 17.56	-0.010	12	0.72	20.864	45	02.2	17.10	45	02.2	F8	CZ	5738	P -41 2367
81		7.4T	17 23.891	-0.0023	16	-47 3 10.94	-0.010	11	0.72	23.999	22	02.8	10.43	21	96.5	B8	GC	11356	C -46 4040
82	8.8E	9.0H	17 32.486	-0.0030	12	-43 49 4.38	0.011	12	0.65	32.635	28	00.2	4.92	26	00.2	A0	CZ	5744	P -43 2452
83		7.1T	17 32.572	-0.0018	15	-46 2 49.71	-0.006	11	0.69	32.661	19	01.1	49.41	18	96.2	K0	GC	11359	C -45 3997
84	9.7E	10.5H	17 32.854	-0.0009	12	-48 14 16.28	-0.009	12	0.71	32.897	45	03.2	15.84	45	03.2	B9	CZ	5748	P -48 1611
85		6.6T	17 33.307	-0.0008	06	-48 2 23.80	0.003	05	0.26	33.337	12	10.5	23.95	10	04.4	B3	GC	11361K	C -47 3799
86	8.1E	8.1H	17 44.256	0.0026	12	-40 17 30.02	-0.035	12	0.85	44.123	63	99.2	28.26	57	99.2	F0	CZ	5746D	P*-40 2357
87	8.3E	9.1H	17 44.635	-0.0006	12	-47 54 40.90	-0.001	12	0.72	44.664	45	02.1	40.83	45	02.1	B9	CZ	5755	P -47 2084
88	8.4E	8.9H	17 45.389	-0.0013	12	-41 51 1.20	0.015	12	0.72	45.451	45	02.2	1.91	45	02.2	B9	CZ	5749	P -41 2373
89	8.3E	9.0H	17 45.677	-0.0015	12	-48 1 5.25	-0.009	12	0.72	45.749	45	02.1	4.80	45	02.1	B9	CZ	5756	P -47 2085
90	8.3E	9.3H	17 45.869	-0.0014	12	-42 13 10.92	0.005	12	0.65	45.939	28	00.3	11.16	26	00.3	A0	CZ	5751	P -41 2376
91	9.7E	9.5H	17 48.392	0.0003	12	-40 12 18.66	-0.019	12	0.85	48.376	63	99.2	17.71	57	99.2	A0	CZ	5750	P -39 2294
92	9.4E	9.7Z	17 55.701	-0.0018	12	-47 6 59.44	-0.007	12	0.71	55.785	45	03.6	59.11	45	03.6		CZ	5758	P -46 2404
93	9.1E	9.6H	18 0.440	-0.0018	12	-47 45 32.39	-0.000	12	0.72	0.527	45	02.1	32.37	45	02.1	A0	CZ	5761	P -47 2092
94	8.5E	9.0H	18 0.696	0.0011	12	-46 16 51.64	-0.035	12	0.65	0.643	31	01.8	49.94	28	01.8	F2	CZ	5759	P -46 2405
95	8.4E	8.2H	18 4.323	-0.0020	12	-42 33 50.67	0.009	12	0.72	4.419	45	02.2	51.09	45	02.2	K0	CZ	5757	P -42 2368
96	9.8E	9.7H	18 9.969	-0.0010	12	-41 37 57.85	-0.004	12	0.72	10.017	45	02.2	57.67	45	02.2	A0	CZ	5760	P -41 2383
97		7.2T	18 15.333	-0.0055	13	-49 22 41.80	0.005	11	0.65	15.805	17	00.1	42.05	18	96.7	K0	GC	11375	C -49 3495
98	9.6E	9.8Z	18 20.568	-0.0013	12	-48 33 59.28	0.010	12	0.71	20.628	45	03.2	59.73	45	03.2		CZ	5765	P -48 1620
99	7.9E	8.4H	18 24.294	-0.0011	12	-47 31 17.40	-0.003	12	0.72	24.345	45	02.1	17.25	45	02.1	B9	CZ	5766	P -47 2100
00	8.3E	7.2H	18 27.911	-0.0004	12	-41 53 59.72	-0.019	12	0.65	27.930	28	00.4	58.77	26	00.4	K0	CZ	5763	P -41 2390

219800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″/cen	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/cen	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1	8.4E	8.6H	6 18 29.121	-0.0021	12	-47 16 9.91	0.013	12	0.66	29.225	31	00.8	10.53	28	00.8	F0	CZ	5768	P -47 2102
2	8.4E	9.0H	18 29.997	-0.0007	12	-48 13 43.44	-0.003	12	0.65	30.032	31	01.8	43.28	28	01.8	B0	CZ	5770	P -47 2105
3	8.4E	9.0H	18 31.397	-0.0032	12	-46 6 48.44	0.012	12	0.71	31.546	45	03.2	48.99	45	03.2	A0	CZ	5767	P -45 2382
4	8.0E	8.5H	18 34.366	-0.0017	12	-47 30 4.87	-0.002	12	0.72	34.447	45	02.1	4.76	45	02.1	B0	CZ	5771	P -47 2106
5	9.4E	10.0H	18 37.426	-0.0020	12	-48 21 37.09	0.012	12	0.71	37.520	45	03.2	37.63	45	03.2	A5	CZ	5773	P -48 1689
6	9.7E	9.8H	18 38.042	-0.0028	12	-42 51 43.67	-0.006	12	0.72	38.167	45	02.2	43.59	45	02.2	F5	CZ	5769	P -42 2374
7	9.4E	9.1H	18 38.703	-0.0013	12	-47 13 50.19	-0.012	12	0.72	38.785	45	02.1	49.60	45	02.1	A0	CZ	5772	P -46 2417
8	9.4E	9.8H	18 42.551	-0.0024	12	-47 48 34.75	0.012	12	0.72	42.666	45	02.1	35.31	45	02.1	A0	CZ	5775	P -47 2108
9	7.8E	8.3H	18 46.350	-0.0011	12	-46 49 59.89	-0.009	12	0.65	46.402	31	01.8	59.46	28	01.8	B9	CZ	5778	P -46 2419
10	9.7E	9.5H	18 53.469	-0.0009	12	-41 16 6.19	-0.013	12	0.64	53.514	28	00.4	5.57	24	00.4	B9	CZ	5774	P -41 2307
11		7.1T	18 54.189	0.0002	10	-44 5 43.70	0.007	09	0.56	54.181	18	97.2	44.09	19	91.3	A0	GC	11391	C -43 4198
12	9.9E	9.7Z	18 54.404	-0.0016	12	-47 28 32.62	-0.003	12	0.72	54.481	45	02.1	32.46	45	02.1		CZ	5781	P -47 2112
13	7.7E	7.9H	19 4.141	0.0008	12	-40 54 41.36	-0.027	12	0.85	4.101	63	99.2	39.98	57	99.2	A3	CZ	5780	P -40 2370
14	8.9E	8.9H	19 18.239	-0.0027	12	-43 26 46.68	0.001	12	0.73	18.370	45	01.7	46.73	45	01.7	B	CZ	5784	P -43 2405
15	8.9E	9.8H	19 25.114	-0.0025	12	-45 52 18.07	0.004	12	0.71	26.222	45	03.2	18.25	45	03.2	A0	CZ	5790	P -45 2410
16	9.5E	9.4H	19 26.283	-0.0019	12	-42 15 6.31	0.002	12	0.72	26.374	45	02.2	6.39	45	02.2	B9	CZ	5787	P -42 2388
17	9.3E	7.9H	19 27.137	-0.0016	12	-42 6 46.54	-0.006	12	0.65	27.217	28	00.3	46.84	28	00.3	MA	CZ	5788	P -41 2405
18	8.1E	9.0H	19 30.184	-0.0015	12	-46 50 22.03	0.003	12	0.71	30.253	45	03.6	22.16	45	03.6	B9	CZ	5791	P -46 2432
19	8.4E	8.0H	19 32.834	-0.0019	12	-47 9 50.72	-0.016	12	0.72	32.925	45	02.1	49.94	45	02.1	K2	CZ	5793	P -46 2434
20	9.0E	9.0H	19 36.845	-0.0013	12	-46 19 26.12	-0.028	12	0.71	36.905	45	03.6	26.81	45	03.6	F8	CZ	5795	P -46 2435
21	9.7E	8.5Z	19 42.536	-0.0008	12	-40 20 52.96	-0.010	12	0.85	42.577	63	99.2	52.47	57	99.2		CZ	5792	P -40 2379
22	9.4E	9.6H	19 44.934	-0.0014	12	-48 46 57.96	0.016	12	0.71	45.000	45	03.2	58.71	45	03.2	A0	CZ	5801	P -48 1632
23	8.9E	8.0H	19 45.766	-0.0018	12	-40 58 23.72	0.001	12	0.85	45.857	63	99.2	23.79	57	99.2	K0	CZ	5794	P -40 2381
24		7.9T	19 46.157	-0.0044	16	-44 49 47.44	-0.013	11	0.71	46.372	19	01.6	46.74	18	97.5	A0	GC	11414	C -44 4325
25	9.4E	10.2H	19 46.520	-0.0016	12	-44 59 47.32	0.002	12	0.72	46.606	45	02.7	47.42	45	02.7	A0	CZ	5796	P -44 2523
26		7.6T	19 50.258	0.0001	12	-40 17 39.30	-0.009	11	0.50	50.255	15	08.5	38.92	14	07.5	A2	GC	11417	C -40 4137
27	8.3E	8.6H	19 54.533	-0.0038	12	-41 2 6.84	-0.046	12	0.85	54.725	63	99.2	4.52	57	99.2	A0	CZ	5799	P -40 2366
28	9.0E	10.0H	19 54.884	-0.0010	12	-44 22 44.60	0.008	12	0.65	54.933	31	01.2	44.99	28	01.2	A0	CZ	5803	P -44 2525
29	9.9E	9.6Z	19 56.831	-0.0028	12	-45 43 58.04	-0.001	12	0.71	56.962	45	03.2	57.98	45	03.2		CZ	5805	P -45 2422
30		8.0T	19 58.256	-0.0020	15	-42 40 31.67	-0.003	11	0.69	58.351	22	01.9	31.50	19	95.1	B9	GC	11420	C -42 4157
31	8.3E	9.0H	19 58.589	-0.0023	12	-48 44 24.94	0.004	12	0.71	58.697	45	03.2	25.13	45	03.2	A0	CZ	5811	P -48 1635
32		8.1T	19 58.917	0.0006	17	-46 10 31.82	-0.014	14	0.81	58.888	21	00.8	31.11	18	97.8	K2	GC	11422	C -45 4045
33		7.8T	19 59.072	-0.0030	16	-44 50 33.57	-0.003	11	0.71	59.215	22	02.8	33.40	21	97.4	K0	GC	11423	C -44 4330
34	8.8E	9.2H	20 0.470	-0.0026	12	-44 4 0.67	-0.003	12	0.65	0.598	28	00.1	0.51	26	00.1	A0	CZ	5806	P -43 2496
35	8.8E	9.4H	20 9.536	-0.0015	12	-47 28 15.26	-0.002	12	0.72	9.606	45	02.1	15.16	45	02.1	B9	CZ	5815	P -47 2135
36	10.1E	9.8H	20 10.667	-0.0026	12	-42 51 49.88	0.003	12	0.72	10.791	45	02.2	50.03	45	02.2	A0	CZ	5812	P -42 2400
37	8.9E	8.9H	20 13.636	-0.0005	12	-40 24 7.58	-0.021	12	0.85	13.651	63	99.2	6.53	57	99.2	A0	CZ	5810	P -40 2381
38		8.4T	20 16.530	-0.0025	18	-48 14 59.11	0.053	14	0.78	16.640	24	05.5	1.67	22	02.2	G5	GC	11432	C -48 3726
39	7.1E	7.1H	20 21.517	-0.0012	12	-40 49 53.53	0.006	12	0.68	21.579	28	98.1	53.82	26	98.1	F5	CZ	5814D	P -40 2395
40	9.4E	7.9H	20 22.033	-0.0002	12	-41 31 55.61	-0.024	12	0.72	22.043	45	02.2	54.48	45	02.2	K5	CZ	5816	P -41 2422
41	9.0E	8.6H	20 26.587	-0.0021	12	-43 30 7.40	0.021	12	0.73	26.688	45	01.7	8.42	45	01.7	K5	CZ	5819	P -43 2501
42	8.4	8.8H	20 38.144	-0.0007	13	-40 4 38.71	-0.034	13	0.26	38.154	15	36.3	38.24	21	36.3	B9	CB	3655	C -39 4263
43		7.7T	20 38.685	-0.0008	16	-47 37 19.09	0.005	11	0.71	38.708	19	01.6	19.26	18	97.5	A0	GC	11442	C -47 3980
44	8.5E	8.8H	20 43.609	-0.0012	12	-45 38 15.73	-0.005	12	0.65	43.668	31	01.5	15.48	28	01.5	B9	CZ	5821	P -45 2435
45	7.9E	8.4H	20 55.280	-0.0030	12	-44 1 28.49	0.014	12	0.73	55.424	45	01.7	29.18	45	01.7	A0	CZ	5822	P -45 2512
46	9.0E	9.6H	20 56.429	0.0011	12	-44 34 29.07	-0.036	12	0.72	56.575	45	02.7	27.36	45	02.7	F0	CZ	5823	P -44 2548
47		7.1T	20 58.009	-0.0056	16	-44 42 14.74	0.024	11	0.71	58.289	18	02.0	15.99	21	97.2	F0	GC	11448	C -44 4346
48		4.9T	20 59.274	-0.0018	08	-48 19 44.43	0.007	07	0.48	59.376	18	93.2	44.89	15	87.6	B2	GC	11450K	C -48 3734
49	10.4E	9.5Z	20 59.667	-0.0017	12	-44 41 29.34	-0.027	12	0.72	59.747	45	02.7	28.07	45	02.7		CZ	5825	P -44 2552
50	9.0E	9.0Z	21 1.073	-0.0008	12	-44 41 30.09	-0.039	12	0.72	1.111	45	02.7	28.25	45	02.7		CZ	5826	P -44 2552
51		7.8T	8 21 5.494	-0.0046	16	-48 53 23.44	0.021	11	0.69	5.713	19	01.9	24.53	18	97.3	A0	GC	11452	C -48 3736
52		8.0T	21 7.668	-0.0036	14	-48 2 52.99	0.028	11	0.68	7.840	22	02.0	54.49	21	97.2	B8	GC	11453	C -47 3873
53	9.7E	10.1H	21 9.002	0.0002	12	-40 37 16.49	-0.015	12	0.85	8.991	63	99.2	15.75	57	99.2	A0	CZ	5827	P -40 2419
54	8.9E	8.5Z	21 10.834	-0.0012	12	-47 59 22.46	-0.014	12	0.68	10.891	36	02.2	21.78	36	02.2		CZ	5837	P -47 2162
55	9.3E	9.8H	21 11.632	-0.0013	12	-45 41 55.57	0.002	12	0.66	11.893	36	03.6	55.65	36	03.6	A0	CZ	5831	P -45 2446
56	9.2E	9.2H	21 14.098	-0.0013	12	-46 56 0.06	-0.016	12	0.63	14.161	28	01.9	59.27	26	01.9	G0	CZ	5838	P -46 2465
57		7.1T	21 14.439	-0.0016	12	-43 3 58.18	0.006	12	0.66	14.520	18	98.4	58.49	17	96.8	B8	GC	11455	C -42 4178
58	7.3E	7.4H	21 20.532	-0.0015	12	-40 13 10.50	-0.013	12	0.85	20.608	63	99.2	9.82	57	99.2	B8	CZ	5830	P -39 2333
59	8.4E	8.6H	21 28.182	-0.0025	12	-49 52 42.96	-0.000	12	0.64	28.300	31	02.8	42.96	28	02.8	A0	CZ	5845	P -49 1609
60	8.5E	8.6H	21 28.874	-0.0030	12	-42 49 29.29	-0.002	12	0.64	29.025	26	00.3	29.20	24	00.3	A0	CZ	5839	P -42 2422
61	9.8E	9.7Z	21 32.485	-0.0000	12	-45 25 17.14	-0.023	12	0.66	32.487	36	03.6	16.06	36	03.6		CZ	5841	P -45 2458
62	9.0E	9.0Z	21 35.112	0.0004	12	-44 47 35.60	-0.007	12	0.66	35.093	36	03.2	35.27	36	03.2		CZ	5842	P -44 2560
63		7.8T	21 40.371	-0.0008	14	-44 48 13.46	-0.015	11	0.67	40.412	22	00.9	12.63	19	95.3	B5	GC	11468	C -44 4357
64		8.3T	21 41.634	-0.0014	16	-42 38 40.87	0.028	13	0.75	41.700	22	02.5	42.31	21	98.3	B8	GC	11469K	C -42 4187
65	9.8E	9.9H	21 43.117	-0.0027	12	-41 13 4.83	-0.003	12	0.65	43.252	28	00.0	4.70	26	00.0	A0	CZ	5843	P -40 2429
66	9.1E	10.0H	21 44.669	-0.0018	12	-45 35 27.68	-0.006	12	0.66	44.754	36	03.6	27.40	36	03.6	A2	CZ	5848	P -45 2460
67	9.4E	9.2H	21 46.407	-0.0005	12	-43 18 5.61	-0.040	12	0.69	46.432	36	01.1	3.66	36	01.1	K0	CZ	5847	P -43 2523
68	8.4E	9.4H	21 48.160	-0.0021	12	-44 4 54.39	0.007	12	0.69	48.262	36	01.1	54.73	36	01.1	A0	CZ	5850	P -43 2524
69		7.4T	21 49.638	-0.0024	09	-45 26 59.64	0.021	07	0.40	49.740	15	07.1	0.64	14	03.2	A0	GC	11472	C -45 4075
70	9.3E	10.0H	21 55.736	-0.0016	12	-43 34 23.92	-0.008	12	0.65	55.817	28	00.2	23.53	26	00.2	B8	CZ	5852	P -43 2525
71	7.2E	7.5H	22 2.790	-0.0009	12	-41 52 16.70	-0.010	12	0.65	2.835	28	00.2	16.21	26	00.2	B9	CZ	5853	P -41 2472
72	9.0E	9.2H	22 9.587	-0.0018	12	-41 29 37.89	-0.013	12	0.72	9.673	45	02.2	37.29	45	02.2	G5	CZ	5854	P -41 2473
73	7.9E	8.4H	22 10.399	0.0005	12	-42 23 32.47	0.000	12	0.65	10.376	28	00.8	32.48	26	00.8	B9	CZ	5855	P -42 2433
74	9.0E	9.7H	22 19.511	-0.0015	12	-41 31 37.61	-0.001	12	0.72	19.583	45	02.2	37.58	45	02.2	A2	CZ	5857	P -41 2475
75	9.1E	10.2H	22 22.905	-0.0017	12	-44 20 33.37	-0.016	12	0.64	22.986	31	02.2	32.60	28	02.2	A5	CZ	5858	P -44 2578
76	8.3E	7.7H	22 28.192	-0.0011	12	-45 4 23.44	-0.004	12	0.64	28.243	31	02.2	23.28	28	02.2	K5	CZ	5859	P -44 2562
77	8.7E	8.5H	22 31.528	-0.0021	12	-49 18 0.07	0.002	12	0.64	31.628	31	02.8	0.17	28	02.8	B9	CZ	5863	P -49 1616
78	8.8E	7.8H	22 38.379	-0.0010	12	-41 21 38.37	0.012	12	0.64	38.429	24	00.2	38.99	22	00.2	B9	CZ	5860	P -41 2484
79	9.4E	10.0H	22 40.642	-0.0020	12	-46 49 22.77	0.003	12	0.71	40.735	45	03.7	22.90	45	03.7	B9	CZ	5865	P -46 2485
80	9.1E	9.3H	22 42.384	-0.0008	12	-42 3 56.42	-0.001	12	0.72	42.422	45	02.2	56.37	45	02.2	A2	CZ	5861	P -41 2486
81	9.1E	9.8H	22 43.344	-0.0005	12	-44 15 14.47	-0.008	12	0.70	43.366	45	04.2	14.10	45	04.2	B9	CZ	5864	P -44 2587
82	9.0E	8.8H	22 43.538	-0.0022	12	-45 43 55.54	0.008	12	0.64	43.642	31	02.5	55.90	28	02.5	K0	CZ	5866	P -45 2478
83	7.8E	7.1H	22 47.884	-0.0032	12	-40 35 1.07	0.021	12	0.87	48.051	28	98.2	2.13	26	98.1	B3	CZ	5862	P -40 2452
84	9.5E	10.2H	22 52.408	-0.0016	12	-47 22 10.10	0.001	12	0.72	52.485	45	02.2	10.14	45	02.2	F8	CZ	5867	P -47 2191
85	10.2E	10.5H	22 57.880	-0.0029	12	-47 36 19.50	0.004	12	0.65	57.994	31	00.9	19.68	28	00.9	A0	CZ	5870	P -47 2196
86	9.4E	7.9H	23 5.064	-0.0010	12	-41 14 58.57	-0.013	12	0.72	5.152	45	02.2	57.97	45	02.2	K2	CZ	5868	P -41 2490
87	9.3E	10.2H	23 7.431	-0.0007	12	-47 0 36.65	-0.003	12	0.71	7.597	45	03.7	36.50	45	03.7	A0	CZ	5872	P -46 2496
88	8.8E	8.9H	23 7.604	-0.0019	12	-41 52 28.49	0.016	12	0.72	7.694	45	02.2	27.25	45	02.2	A3	CZ	5869	P -41 2492
89	9.0E	9.2H	23 12.890	-0.0010	12	-47 17 29.37	-0.015	12	0.72	12.939	45	02.2	28.64	45	02.2	F0	CZ	5877	P -47 2201
90		6.2T	23 13.327	-0.0016	11	-42 36 21.48	0.017	09	0.59	13.410	21	97.3	22.47	18	91.0	B5	GC	11504	C -42 4219
91	9.4E	9.6H	23 14.056	-0.0013	12	-43 57 19.40	-0.006	12	0.72	14.117	45	02.1	19.11	45	02.1	A2	CZ	5876	P -43 2549
92	8.4E	8.6H	23 14.595	-0.0011	12	-44 8 13.80	-0.001	12	0.72	14.646	45	02.1	13.75	45	02.1	B0	CZ	5874	P -43 2550
93	12.1E	11.3H	23 15.386	-0.0012	12	-44 8 5.97	0.009	12	0.72	15.442	45	02.1	6.40	45	02.1	B0	CZ	5875	P -43 2550
94	9.0E	9.6H	23 15.547	-0.0018	12	-49 48 16.44	-0.007	12	0.70	15.628	45	04.7	16.11	45	04.7	A2	CZ	5880	P -49 1624
95	8.7	9.0W	23 18.383	-0.0001	13	-40 0 12.66	-0.016	13	0.26	18.384	15	36.3	12.44	21	36.3	A0	CB	3679	C -39 4310
96	9.4E	8.2H	23 20.147	-0.0006	12	-48 51 11.46	0.001	12	0.71	20.176	45	03.2	11.51	45	03.2	K2	CZ	5881	P -48 1664
97	8.2E	8.6H	23 23.922	-0.0018	12	-48 30 43.86	-0.003	12	0.71	24.005	45	03.2	43.70	45	03.2	B9	CZ	5882	P -48 1665
98	7.5E	8.0H	23 24.148	-0.0000	12	-43 12 3.83	-0.014	12	0.65	24.150	28	00.5	3.15	26	00.5	B3	CZ	5879	P -42 2458
99	8.4E	8.6H	23 30.107	-0.0006	12	-48 56 12.85	-0.001	12	0.71	30.136	45	03.2	12.81	45	03.2	A0	CZ	5885	P -48 1666
00	8.4E	8.0H	23 32.411	0.0063	12	-48 59 40.48	-0.107	12	0.65	32.109	31	01.8	35.83	28	01.8	G5	CZ	5887	P -48 1667

219900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.1E	9.0H	8 23 34.250	-0.0034	12	-49 11 23.90	0.006	12	0.70	34.405	45	04.7	24.17	45	04.7	F0	CZ	5888	P -48 1668
2	8.8E	8.6H	23 37.684	-0.0019	12	-48 57 47.02	-0.010	12	0.71	37.774	45	03.2	46.56	45	03.2	F0	CZ	5889	P -48 1670
3	9.3E	9.0Z	23 38.169	-0.0005	12	-44 59 54.91	-0.005	12	0.70	38.192	45	04.2	54.68	45	04.2		CZ	5886	P -44 2597
4	9.2E	9.8H	23 40.404	-0.0010	12	-42 30 0.42	-0.006	12	0.72	40.452	45	02.6	0.12	45	02.6	A2	CZ	5883	P -42 2465
5	8.5E	8.4H	23 45.028	-0.0010	12	-40 48 15.73	0.003	12	0.85	45.079	63	99.2	15.91	57	99.2	A0	CZ	5884	P -40 2473
6	8.8E	9.0H	23 53.692	-0.0016	12	-46 28 11.96	0.003	12	0.65	53.770	31	01.8	12.10	28	01.8	A0	CZ	5893	P -46 2508
7	9.3E	9.0H	23 58.302	-0.0022	12	-41 16 19.40	-0.023	12	0.72	58.407	45	02.2	18.32	45	02.2	F0	CZ	5890	P -41 2507
8	9.9E	10.6H	24 2.018	-0.0019	12	-40 25 1.19	0.000	12	0.85	2.114	63	99.2	1.21	57	99.2	A2	CZ	5891	P -40 2477
9	9.7E	10.3H	24 3.505	-0.0021	12	-40 27 48.92	0.005	12	0.85	3.611	63	99.2	49.20	57	99.2	A2	CZ	5892	P -40 2478
10		5.3T	24 6.875	-0.0014	07	-41 59 19.44	0.001	05	0.27	6.930	10	11.0	19.46	10	06.4	B3	GC	11532	C*-41 4119
11	7.7E	8.9H	24 17.173	0.0011	12	-43 51 26.98	0.007	12	0.65	17.117	28	00.2	27.34	26	00.2	B8	CZ	5899	P -43 2566
12	9.1E	9.8H	24 17.566	-0.0013	12	-47 35 51.40	0.002	12	0.72	17.628	45	02.2	51.48	45	02.2	B9	CZ	5903	P -47 2218
13	8.5E	7.5H	24 20.991	-0.0003	12	-40 37 17.46	-0.005	12	0.85	21.006	63	99.2	17.23	57	99.2	K0	CZ	5898	P -40 2482
14	9.8E	10.0H	24 24.874	-0.0011	12	-42 41 52.43	0.010	12	0.72	24.925	45	02.6	52.91	45	02.6	B8	CZ	5902	P -42 2485
15	7.6E	7.9H	24 30.660	-0.0012	12	-41 58 21.16	0.002	12	0.72	30.718	45	02.2	21.27	45	02.2	B3	CZ	5905	P -41 2521
16	8.7E	9.2H	24 30.990	-0.0015	12	-41 4 8.06	0.003	12	0.85	31.065	63	99.2	8.24	57	99.2	A0	CZ	5904	P -40 2486
17		7.5T	24 34.715	-0.0050	16	-48 16 4.63	0.041	13	0.73	34.952	19	02.3	6.66	19	00.8	F0	GC	11545	C -48 3789
18		8.0T	24 37.814	-0.0023	20	-41 1 21.22	-0.030	14	0.84	37.919	24	04.7	19.73	22	00.4	B9	GC	11550	C -40 4248
19	9.3E	9.6H	24 38.185	-0.0010	12	-40 13 22.46	-0.022	12	0.68	38.236	28	97.7	21.33	26	97.7	B9	CZ	5906	P -39 2401
20		7.7T	24 48.904	0.0019	13	-47 56 8.49	-0.034	10	0.62	48.809	17	00.4	6.66	18	95.7	A0	GC	11552	C -47 3951
21	8.9E	9.2H	24 51.726	-0.0005	12	-43 46 53.71	0.018	12	0.72	51.749	45	02.1	54.57	45	02.1	A2	CZ	5910	P -43 2584
22	9.6E	7.9H	24 53.168	-0.0012	12	-48 1 12.11	0.001	12	0.72	53.225	45	02.2	12.14	45	02.2	K2	CZ	5915	P -47 2236
23	7.7E	7.7H	24 55.175	0.0012	12	-43 14 36.09	-0.004	12	0.72	55.118	45	02.1	35.92	45	02.1	B2	CZ	5912	P -43 2586
24		7.2T	24 55.965	-0.0018	15	-42 21 30.93	-0.009	11	0.68	56.051	22	02.2	30.42	21	96.3	A2	GC	11555	C -42 4250
25	9.3E	9.8H	24 57.203	-0.0007	12	-42 42 24.33	0.010	12	0.72	57.235	45	02.6	24.81	45	02.6	B8	CZ	5913	P -42 2497
26	9.1E	8.4H	25 0.662	0.0009	12	-48 31 29.57	-0.016	12	0.71	0.620	45	03.2	28.80	45	03.2	K0	CZ	5921	P -48 1684
27	8.4E	9.4H	25 0.758	-0.0012	12	-44 41 6.77	-0.003	12	0.70	0.813	45	04.2	6.64	45	04.2	A0	CZ	5916	P -44 2619
28	9.4E	9.1H	25 1.500	-0.0004	12	-48 14 5.48	-0.007	12	0.71	1.520	45	03.2	5.14	45	03.2	B8	CZ	5922	P -47 2238
29		7.2T	25 4.826	0.0008	07	-49 19 54.46	0.003	06	0.34	4.788	15	04.6	54.60	14	98.8	A0	GC	11562	C -49 3553
30	9.3E	9.6H	25 5.402	-0.0000	12	-45 25 8.54	-0.004	12	0.70	5.404	45	04.7	8.35	45	04.7	A0	CZ	5919	P -45 2526
31	9.2E	9.6H	25 6.123	-0.0016	12	-45 36 4.05	0.006	12	0.70	6.198	45	04.7	4.31	45	04.7	A0	CZ	5920	P -45 2529
32	8.7E	9.6H	25 9.620	-0.0009	12	-47 16 24.49	-0.001	12	0.66	9.665	31	00.8	24.43	28	00.8	B9	CZ	5926	P -47 2240
33	9.8E	9.2H	25 10.612	-0.0003	12	-40 13 20.08	-0.025	12	0.85	10.625	63	99.2	18.83	57	99.2	K0	CZ	5918	P -39 2411
34	10.0E	9.0Z	25 12.915	-0.0002	12	-42 31 0.45	-0.012	12	0.72	12.925	45	02.6	59.88	45	02.6		CZ	5923	P -42 2502
35	7.4E	7.6H	25 13.527	-0.0005	12	-48 47 26.16	-0.008	12	0.65	13.551	31	01.8	25.79	28	01.8	B9	CZ	5930	P -48 1686
36	8.9E	9.6H	25 15.999	-0.0004	12	-43 41 50.84	-0.003	12	0.72	16.017	45	02.1	50.69	45	02.1	B8	CZ	5925	P -43 2591
37	9.4E	9.6H	25 16.050	-0.0038	12	-46 38 34.42	-0.040	12	0.71	16.226	45	03.7	32.56	45	03.7	F8	CZ	5929	P -46 2528
38	9.3E	10.0H	25 16.955	-0.0018	12	-48 37 29.37	0.009	12	0.71	17.038	45	03.2	29.77	45	03.2	A0	CZ	5934	P -48 1688
39	8.6E	8.9H	25 17.266	-0.0022	12	-48 3 47.72	0.016	12	0.72	17.371	45	02.2	48.46	45	02.2	B9	CZ	5932	P -47 2245
40	9.4E	8.6H	25 21.797	-0.0013	12	-40 54 18.26	-0.015	12	0.85	21.862	63	99.2	17.52	57	99.2	K0	CZ	5927	P -40 2503
41		7.5T	25 25.568	0.0014	13	-44 3 55.81	-0.001	11	0.66	25.500	22	00.3	55.74	19	95.9	K5	GC	11571	C -43 4300
42	9.3E	10.0H	25 27.989	-0.0016	12	-46 20 35.73	-0.007	12	0.71	28.064	45	03.7	36.04	45	03.7	B9	CZ	5936	P -46 2532
43	10.4E	8.5Z	25 28.546	-0.0017	12	-41 19 17.12	-0.010	12	0.65	28.631	28	00.2	16.64	26	00.2		CZ	5931	P -41 2541
44	8.7E	9.2H	25 31.640	-0.0026	12	-49 53 35.53	-0.017	12	0.65	31.768	36	04.1	34.75	36	04.1	A0	CZ	5939	P -49 1643
45	9.7E	10.5H	25 32.512	-0.0013	12	-47 54 27.87	0.002	12	0.72	32.575	45	02.2	27.95	45	02.2	A0	CZ	5937	P -47 2249
46	8.9E	8.3H	25 33.367	-0.0023	12	-41 33 34.66	-0.001	12	0.72	33.477	45	02.2	34.63	45	02.2	A3	CZ	5935	P -41 2543
47	8.6E	9.1H	25 40.364	0.0007	12	-44 56 23.83	-0.001	12	0.64	40.330	31	02.2	23.78	28	02.2	A0	CZ	5938	P -44 2632
48	8.2E	8.5H	25 40.476	-0.0019	12	-47 38 13.37	-0.000	12	0.68	40.567	36	02.2	13.37	36	02.2	B9	CZ	5942	P -47 2250
49	9.2E	9.4H	25 44.474	-0.0038	12	-49 40 19.43	-0.016	12	0.70	44.648	45	04.1	18.69	45	04.1	A2	CZ	5947	P -49 1645
50	10.3E	10.0Z	25 47.450	-0.0014	12	-45 58 20.67	-0.000	12	0.64	47.516	31	02.5	20.66	28	02.5		CZ	5945	P -45 2533
51	7.7E	8.6H	8 25 49.098	0.0003	12	-44 27 16.70	-0.007	12	0.64	49.084	31	02.2	16.37	28	02.2	A0	CZ	5944	P -44 2635
52	9.8E	10.3H	25 50.007	-0.0019	12	-41 58 53.45	0.002	12	0.72	50.098	45	02.2	53.53	45	02.2	B9	CZ	5941	P -41 2550
53	8.4E	8.9H	25 53.227	-0.0009	12	-47 33 44.88	0.007	12	0.68	53.270	36	02.2	45.20	36	02.2	B5	CZ	5949	P -47 2254
54	9.2E	10.0H	25 54.833	-0.0028	12	-48 28 56.01	-0.000	12	0.67	54.967	36	02.5	55.99	36	02.5	A0	CZ	5951	P -48 1697
55	8.8E	9.6H	25 59.931	-0.0017	12	-48 36 34.30	-0.004	12	0.67	+ 0.011	36	02.5	34.10	36	02.5	B9	CZ	5952	P -48 1699
56	9.4E	9.2H	26 0.046	-0.0023	12	-49 21 36.95	-0.002	12	0.70	0.153	45	04.1	36.87	45	04.1	A0	CZ	5957	P -49 1647
57	9.2E	9.4H	26 1.539	-0.0018	12	-49 35 19.56	-0.013	12	0.70	1.621	45	04.1	18.97	45	04.1	B9	CZ	5958	P -49 1648
58	10.3E	9.9Z	26 2.909	-0.0012	12	-42 48 37.23	0.003	12	0.65	2.969	28	00.5	37.39	26	00.5		CZ	5950	P -42 2529
59	8.2E	8.5H	26 12.378	-0.0022	12	-47 30 28.25	0.004	12	0.68	12.483	36	02.2	28.43	36	02.2	B9	CZ	5961	P -47 2260
60	8.5E	8.9H	26 13.703	-0.0007	12	-49 26 17.61	-0.025	12	0.70	13.737	45	04.1	16.47	45	04.1	A0	CZ	5966	P -49 1651
61	12.8E	11.2H	26 14.171	-0.0024	12	-41 30 30.88	-0.012	12	0.72	14.286	45	02.2	30.33	45	02.2	A0	CZ	5954D	P -41 2563
62		7.8T	26 14.403	-0.0005	13	-41 4 43.96	0.001	10	0.64	14.428	21	00.9	44.02	18	96.1	A0	GC	11596K	C*-40 4277
63	10.2E	9.0Z	26 14.599	-0.0019	12	-41 30 25.47	-0.003	12	0.72	14.690	45	02.2	25.35	45	02.2	A0	CZ	5955D	P -41 2563
64	7.5E	8.2H	26 20.577	-0.0008	12	-49 56 0.55	-0.005	12	0.64	20.613	31	02.4	0.32	28	02.4	B8	CZ	5970	P -49 1653
65	9.4E	9.4H	26 24.769	-0.0025	12	-42 41 0.33	-0.010	12	0.68	24.888	36	02.1	-59.86	36	02.1	G0	CZ	5963	P -42 2535
66	9.0E	8.9H	26 26.391	-0.0018	12	-41 40 3.76	0.004	12	0.65	26.480	28	00.2	3.96	26	00.2	B9	CZ	5962	P -41 2569
67	9.5E	10.0H	26 27.055	-0.0016	12	-46 38 58.12	-0.002	12	0.65	27.128	36	04.2	58.01	36	04.2	A2	CZ	5969	P -46 2552
68	9.0E	7.3H	26 29.054	-0.0019	12	-42 3 50.34	0.022	12	0.65	29.149	28	00.4	51.43	26	00.4	K2	CZ	5967	P -41 2572
69		8.1T	26 30.239	-0.0002	14	-44 3 21.79	-0.005	11	0.68	30.251	22	01.7	21.50	21	96.2	K2	GC	11601	C -43 4313
70	8.6E	9.0H	26 36.488	-0.0017	12	-47 30 24.21	0.001	12	0.64	36.571	28	01.2	24.24	26	01.2	A2	CZ	5971	P -47 2268
71	7.9E	8.4H	26 47.840	-0.0008	12	-46 47 16.64	0.011	12	0.63	47.877	28	02.7	17.16	26	02.7	B9	CZ	5974	P -46 2557
72		7.7T	26 49.785	-0.0023	17	-41 0 26.25	0.000	12	0.73	49.892	21	03.5	26.26	19	98.7	A0	GC	11610	C -40 4285
73	8.9E	8.8H	26 56.133	-0.0043	12	-47 16 20.43	0.039	12	0.68	56.339	36	02.2	22.28	36	02.2	G5	CZ	5976	P -47 2281
74	9.1E	8.8H	27 0.347	-0.0011	12	-45 22 57.70	-0.000	12	0.65	0.399	36	04.9	57.69	36	04.9	F0	CZ	5978	P -45 2556
75	8.3E	8.6H	27 1.283	-0.0008	12	-41 21 58.73	-0.012	12	0.68	1.322	36	01.8	58.17	36	01.8	B9	CZ	5975	P -41 2581
76	9.4E	9.6H	27 4.325	-0.0021	12	-43 1 59.10	0.031	12	0.68	4.426	36	02.1	+ 0.59	36	02.1	G0	CZ	5977	P -42 2550
77		6.6T	27 7.227	-0.0018	09	-42 25 11.91	0.008	07	0.34	7.302	09	08.4	12.24	09	05.4	B3	GC	11617K	C -42 4290
78	9.2E	9.8H	27 8.865	-0.0014	12	-45 34 4.26	-0.003	12	0.62	8.932	28	03.2	4.10	26	03.2	B9	CZ	5983	P -45 2559
79		7.8T	27 18.072	0.0001	17	-48 1 22.23	-0.009	13	0.77	18.066	19	01.9	22.71	18	98.1	A0	GC	11623	C -47 4000
80	8.6E	8.4H	27 19.873	0.0011	12	-44 4 17.22	-0.009	12	0.65	19.817	28	00.2	16.77	26	00.2	F8	CZ	5984	P -43 2633
81		6.7T	27 22.702	-0.0083	24	-43 45 3.33	0.014	28	1.16	23.067	24	06.2	3.91	24	07.3	K5	GC	11626	C -43 4336
82		5.9T	27 25.529	0.0003	12	-43 39 33.50	0.008	11	0.63	25.516	21	99.5	33.91	18	96.7	B3	GC	11628	C*-43 4337
83	7.5E	7.7H	27 27.424	-0.0013	12	-45 23 22.97	0.020	12	0.70	27.484	45	04.7	23.87	45	04.7	B9	CZ	5990	P -45 2567
84	8.4E	8.9H	27 27.569	-0.0013	12	-47 52 11.34	-0.001	12	0.68	27.631	36	02.2	11.28	36	02.2	A0	CZ	5993	P -47 2295
85		5.5T	27 29.901	-0.0016	09	-47 45 40.37	-0.002	07	0.47	29.984	18	96.9	40.28	14	92.5	B5	GC	11630K	C*-47 4004
86	9.1E	9.9H	27 30.541	-0.0007	12	-40 58 15.90	-0.009	12	0.85	30.576	63	99.2	15.46	57	99.2	A0	CZ	5987	P -40 2540
87	8.9E	9.5Z	27 31.121	-0.0007	12	-47 45 24.61	0.029	12	0.72	31.155	45	02.2	25.98	45	02.2	B5	CZ	5995	P -47 2296
88	8.9E	10.5H	27 31.790	-0.0012	12	-44 43 1.47	-0.004	12	0.70	31.845	45	04.2	1.29	45	04.2	B9	CZ	5992	P -44 2664
89	9.8E	9.0Z	27 32.265	0.0002	12	-43 47 49.66	-0.008	12	0.72	32.255	45	02.1	49.28	45	02.1		CZ	5991	P -43 2640
90	9.3E	9.4H	27 37.014	-0.0012	12	-49 20 12.51	-0.004	12	0.70	37.071	45	04.1	12.33	45	04.1	A0	CZ	6001	P -49 1666
91	9.0E	9.8H	27 38.039	0.0010	12	-43 40 27.50	-0.002	12	0.72	37.990	45	02.1	27.41	45	02.1	B5	CZ	5996	P -43 2643
92	9.1E	9.2H	27 38.825	-0.0010	12	-45 17 50.21	0.003	12	0.70	38.872	45	04.7	50.33	45	04.7	A0	CZ	5998	P -45 2569
93	9.0E	8.8H	27 40.294	0.0005	12	-43 28 4.54	-0.007	12	0.72	40.270	45	02.1	4.21	45	02.1	K0	CZ	5997	P -43 2644
94	9.3E	10.2H	27 43.791	-0.0020	12	-46 43 32.24	0.002	12	0.71	43.883	45	03.7	32.32	45	03.7	B8	CZ	6002	P -46 2574
95		6.7T	27 46.220	-0.0017	20	-44 33 21.13	-0.031	14	0.80	46.298	19	05.0	19.67	18	03.3		GC	11634K	C -44 4462
96		5.2T	27 46.395	-0.0002	09	-44 33 24.80	-0.005	09	0.50	46.407	18	96.5	24.52	17	96.2	B5	GC	11635K	C*-44 4462
97	9.0E	9.8H	27 50.162	-0.0021	12	-47 38 4.65	-0.004	12	0.72	50.263	45	02.2	4.45	45	02.2	A0	CZ	6007	P -47 2303
98		8.0T	27 50.387	-0.0023	17	-41 21 24.82	-0.014	15	0.82	50.500	18	00.8	24.10	17	98.5	B9	GC	11637	C -41 4189
99	7.9E	8.2H	27 53.258	0.0010	12	-43 9 56.07	-0.018	12	0.67	53.207	28	98.4	55.16	26	98.4	B9	CZ	6003	P -42 2571
00	9.5E	10.0H	27 53.792	-0.0020	12	-48 42 7.11	-0.007	12	0.65	53.889	31	01.5	6.78	28	01.5	A0	CZ	6011	P -48 1720

220000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1	7.7E	8.6M	8 27 55.490	0.0006	12	-43 55 51.73	0.000	12	0.72	55.460	45	02.1	51.74	45	02.1	B8	CZ	6006	P -43 2645
2	8.1E	8.9M	27 56.942	0.0018	12	-42 19 59.50	-0.039	12	0.74	56.853	45	00.6	57.57	45	00.6	F8	CZ	6004	P -42 2572
3	9.1E	9.0M	27 58.388	-0.0015	12	-41 37 18.65	-0.003	12	0.65	58.465	26	99.0	18.52	24	99.0	B9	CZ	6005	P -41 2600
4	9.7E	9.1M	28 3.855	-0.0027	12	-41 44 51.86	0.006	12	0.74	3.998	45	00.2	52.16	45	00.2	B9	CZ	6009	P -41 2607
5	9.8E	8.8M	28 4.625	-0.0022	12	-41 45 4.91	-0.008	12	0.74	4.735	45	00.1	4.50	45	00.1	B9	CZ	6010	P -41 2608
6	9.4E	9.6M	28 6.225	0.0002	12	-49 13 42.49	-0.021	12	0.70	6.217	45	04.1	41.52	45	04.1	G0	CZ	6017	P -48 1721
7		6.1T	28 7.542	-0.0034	07	-46 9 48.74	0.001	05	0.28	7.680	09	09.7	48.80	09	06.6	B8	GC	11642	C*-45 4183
8		7.8T	28 8.817	-0.0024	17	-47 51 28.61	-0.004	12	0.74	8.927	24	03.6	28.42	21	98.4	B9	GC	11645	C -47 4023
9	9.3E	9.0M	28 9.981	-0.0014	12	-44 34 30.81	-0.015	12	0.70	10.044	45	04.2	30.12	45	04.2	A0	CZ	6012	P -44 2877
10	9.4E	9.6M	28 13.326	-0.0034	12	-46 49 36.57	0.069	12	0.71	13.483	45	03.7	39.75	45	03.7	K0	CZ	6019	P -46 2584
11	9.8E	9.6M	28 14.067	-0.0008	12	-44 7 48.90	-0.016	12	0.72	14.104	45	02.1	48.13	45	02.1	A	CZ	6014	P -43 2850
12	9.8E	9.1M	28 15.192	0.0014	12	-45 1 1.79	0.049	12	0.64	15.123	31	02.2	4.15	28	02.2	G5	CZ	6018	P -44 2678
13	9.8E	8.9M	28 17.276	-0.0016	12	-45 38 33.85	0.030	12	0.70	17.353	45	04.7	35.20	45	04.7	K0	CZ	6021	P -45 2578
14	9.9E	9.8M	28 19.305	-0.0015	12	-41 28 12.72	-0.014	12	0.74	19.380	45	00.1	12.04	45	00.1	B8	CZ	6015	P -41 2617
15	9.9E	10.3M	28 22.280	-0.0012	12	-42 52 34.28	0.001	12	0.74	22.340	45	00.6	34.34	45	00.6	A2	CZ	6020	P -42 2583
16	9.1E	9.6M	28 24.638	-0.0014	12	-44 7 29.83	-0.012	12	0.72	24.704	45	02.1	29.23	45	02.1	B8	CZ	6022	P -43 2853
17	8.8E	9.1M	28 36.686	-0.0025	12	-43 0 20.81	0.019	12	0.66	36.824	28	99.1	21.79	28	99.1	F2	CZ	6023	P*-42 2591
18	9.7E	9.1M	28 40.315	-0.0004	12	-42 28 36.82	-0.008	12	0.74	40.434	45	00.6	36.41	45	00.6	A0	CZ	6024	P -42 2593
19	9.8E	9.4M	28 44.476	-0.0018	12	-42 44 25.36	-0.001	12	0.74	44.546	45	00.6	25.32	45	00.6	K0	CZ	6026	P -42 2596
20		7.1T	28 45.826	-0.0021	09	-40 20 33.33	-0.005	07	0.40	45.919	14	06.3	33.10	14	03.8	B9	GC	11660	C*-40 4328
21	10.4E	10.3M	28 47.360	-0.0014	12	-46 8 23.24	0.032	12	0.70	47.444	45	04.7	24.68	45	04.7		CZ	6028	P -45 2586
22	9.6E	10.3M	28 47.676	-0.0022	12	-46 50 36.93	0.031	12	0.71	47.777	45	03.7	38.35	45	03.7	A0	CZ	6030	P -46 2600
23	10.1E	9.7Z	28 48.389	-0.0007	12	-46 8 35.65	0.013	12	0.70	48.420	45	04.7	36.23	45	04.7		CZ	6029	P -45 2586
24		7.9T	28 50.057	-0.0023	13	-40 19 51.21	-0.004	10	0.65	50.171	22	00.9	50.99	19	94.6	K5	GC	11667	C -40 4330
25		6.5T	28 57.910	-0.0018	11	-44 34 4.69	0.009	10	0.57	58.004	18	98.8	5.16	17	96.0	B5	GC	11669K	C*-44 4477
26		6.6T	28 59.738	-0.0034	12	-41 20 44.87	0.008	11	0.67	59.917	19	97.5	45.32	17	93.4	K2	GC	11670K	C*-41 4208
27	9.7E	9.1M	29 0.720	-0.0026	12	-43 0 22.65	0.035	12	0.74	0.848	45	00.6	24.38	45	00.6	G0	CZ	6034	P -42 2602
28	9.7E	9.4M	29 2.243	-0.0041	12	-49 28 39.08	0.031	12	0.70	2.433	45	04.1	40.51	45	04.1	F8	CZ	6037	P -49 1678
29	9.2	9.4M	29 12.217	-0.0012	10	-40 2 43.63	-0.014	10	0.23	12.234	15	36.3	43.44	21	36.3	B9	C8	3729	C -39 4431
30	8.3E	9.6M	29 13.930	-0.0012	12	-44 26 44.85	-0.007	12	0.70	13.984	45	04.2	44.53	45	04.2	A0	CZ	6038	P -44 2693
31	10.0E	10.2M	29 16.875	-0.0016	12	-43 0 0.40	-0.002	12	0.74	16.954	45	00.6	0.32	45	00.6	B9	CZ	6039	P -42 2611
32	9.6E	9.3M	29 28.761	-0.0019	12	-41 52 45.94	-0.009	12	0.74	28.856	45	00.1	45.48	45	00.1	A0	CZ	6040	P -41 2642
33	9.4E	9.2M	29 28.038	-0.0023	12	-47 55 9.36	0.022	12	0.72	28.148	45	02.2	10.40	45	02.2	K0	CZ	6045	P -47 2344
34	9.0E	9.6M	29 30.535	-0.0013	12	-44 19 43.34	-0.010	12	0.70	30.594	45	04.2	42.88	45	04.2	B9	CZ	6043	P -44 2698
35	9.1E	9.3M	29 30.678	-0.0023	12	-40 47 45.95	-0.014	12	0.85	30.795	63	99.2	45.25	57	99.2	B9	CZ	6041	P -40 2582
36	9.7E	10.3M	29 30.893	-0.0036	12	-40 59 36.81	-0.005	12	0.85	31.075	63	99.2	36.58	57	99.2	A2	CZ	6042	P -40 2583
37	9.4E	10.0M	29 31.610	-0.0018	12	-44 28 11.30	-0.012	12	0.70	31.693	45	04.2	10.75	45	04.2	F0	CZ	6044	P -44 2699
38	9.1E	9.8M	29 34.271	-0.0027	12	-49 0 58.93	-0.006	12	0.65	34.402	31	01.5	58.64	28	01.5	B9	CZ	6051	P -48 1743
39		6.5T	29 35.374	-0.0004	12	-47 41 48.87	0.001	09	0.59	35.393	21	98.3	48.95	15	90.4	B5	GC	11683	C*-47 4048
40	9.1E	9.0Z	29 35.407	-0.0024	12	-47 29 46.60	-0.007	12	0.72	35.522	45	02.2	46.26	45	02.2		CZ	6048	P -47 2347
41	9.4E	9.0Z	29 35.555	-0.0014	12	-44 17 3.38	-0.013	12	0.70	35.619	45	04.2	2.78	45	04.2		CZ	6046	P -44 2700
42	9.2E	9.4M	29 42.788	-0.0015	12	-45 20 45.92	0.003	12	0.70	42.858	45	04.7	46.05	45	04.7	A0	CZ	6052	P -45 2600
43	9.8E	10.0M	29 43.449	-0.0023	12	-45 41 26.53	0.000	12	0.70	43.463	45	04.7	26.60	45	04.7	F0	CZ	6053	P -45 2602
44	10.2E	10.3M	29 45.182	-0.0025	12	-42 16 30.32	0.005	12	0.66	45.279	28	99.1	30.57	28	99.1	F0	CZ	6049	P -42 2621
45	8.7E	9.4M	29 45.479	-0.0036	12	-47 16 26.42	0.011	12	0.72	45.652	45	02.2	26.93	45	02.2	F5	CZ	6055	P -47 2351
46	7.9E	7.9M	29 48.759	-0.0011	12	-48 34 44.93	-0.004	12	0.65	48.811	31	01.5	44.73	28	01.5	A0	CZ	6058	P -48 1745
47	8.4E	9.6M	29 55.523	-0.0022	12	-47 44 36.42	-0.009	12	0.72	55.629	45	02.2	35.98	45	02.2	B3	CZ	6060	P -47 2355
48		8.1T	29 57.094	-0.0033	13	-45 36 52.67	-0.007	11	0.66	57.256	22	01.2	52.32	21	96.7	B8	GC	11690	C -45 4215
49	8.2E	8.8M	29 57.103	-0.0014	12	-44 14 46.51	-0.010	12	0.64	57.169	31	02.2	46.03	28	02.2	B8	CZ	6057	P -43 2674
50	8.1E	7.7M	30 1.248	-0.0009	12	-41 51 46.78	-0.002	12	0.74	1.293	45	00.1	46.68	45	00.1	B5	CZ	6056	P -41 2649
51		6.6T	8 30 3.018	0.0014	12	-47 4 13.88	0.019	11	0.63	2.948	17	99.3	14.89	18	97.1	B3	GC	11696	C -46 4267
52	9.1E	8.3M	30 4.910	-0.0026	12	-43 41 20.89	-0.009	12	0.72	5.034	45	02.1	20.46	45	02.1	K0	CZ	6061	P -43 2676
53	8.1E	8.5M	30 6.284	-0.0001	12	-45 57 22.85	0.008	12	0.64	6.288	31	02.5	23.24	28	02.5	B0	CZ	6065	P -45 2611
54	8.6E	9.0M	30 7.504	-0.0030	12	-47 36 39.33	0.008	12	0.72	7.646	45	02.2	39.72	45	02.2	A0	CZ	6070	P -47 2359
55	8.3E	8.4M	30 7.574	-0.0004	12	-43 39 5.78	0.002	12	0.72	7.595	45	02.1	5.88	45	02.1	B9	CZ	6062	P -43 2677
56	9.2E	9.0M	30 11.407	0.0001	12	-44 14 1.43	-0.028	12	0.70	11.402	45	04.2	0.15	45	04.2	G5	CZ	6067	P -43 2678
57	9.6E	9.3M	30 12.298	-0.0015	12	-42 7 26.54	-0.002	12	0.67	12.376	28	98.8	26.43	28	98.8	A0	CZ	6064	P -41 2651
58	9.8E	9.4M	30 13.676	-0.0026	12	-42 33 10.04	-0.000	12	0.74	13.805	45	00.6	10.03	45	00.6	K2	CZ	6066	P -42 2632
59		8.0T	30 25.291	0.0012	18	-47 9 27.01	-0.031	18	0.86	25.238	24	05.1	25.61	24	04.8	K5	GC	11709	C -46 4274
60	11.4E	9.0Z	30 25.409	-0.0017	12	-40 57 23.29	-0.037	12	0.85	25.495	63	99.2	21.43	57	99.2	B8	CZ	6071D	P -40 2597
61	10.2E	9.0Z	30 25.880	-0.0021	12	-40 57 19.84	-0.004	12	0.85	25.987	63	99.2	19.66	57	99.2	B8	CZ	6072D	P -40 2597
62	7.4E	7.1M	30 30.352	-0.0028	12	-41 39 43.38	0.024	12	0.74	30.493	45	00.1	44.55	45	00.1	A0	CZ	6073	P -41 2658
63	7.9E	7.9M	30 35.871	-0.0003	12	-43 45 38.05	0.004	12	0.72	35.884	45	02.1	38.24	45	02.1	B3	CZ	6075	P -43 2684
64		8.6T	30 37.135	-0.0003	14	-48 6 4.49	-0.005	12	0.70	37.149	22	01.8	4.23	21	97.6	B9	GC	11712	C -47 4061
65	8.4E	8.8M	30 40.609	-0.0022	12	-45 51 35.01	0.000	12	0.70	40.707	45	04.7	35.02	45	04.7	F5	CZ	6077	P -45 2619
66	8.8	8.4M	30 42.722	-0.0218	13	-40 2 30.75	0.160	13	0.26	43.020	15	36.3	32.94	21	36.3	G5	C8	3742	C -39 4465
67	8.5E	8.8M	30 43.725	-0.0027	12	-45 36 51.58	0.002	12	0.70	43.848	45	04.7	51.69	45	04.7	A3	CZ	6080	P -45 2621
68	9.9E	9.8M	30 46.846	-0.0035	12	-43 7 41.49	0.011	12	0.74	47.019	45	00.6	42.04	45	00.6	F8	CZ	6079	P -42 2645
69		7.0T	30 51.384	-0.0015	14	-49 25 50.12	-0.016	10	0.65	51.457	19	00.5	49.28	18	96.2	B-	GC	11721	C*-49 3621
70		9.7T	30 54.230	-0.0077	22	-40 29 41.48	-0.051	22	1.07	54.590	18	03.2	39.05	18	02.7	F8	GC	11722	C -40 4367
71	9.6E	10.2M	30 55.502	-0.0014	12	-48 1 15.69	-0.003	12	0.68	55.568	36	02.2	15.55	36	02.2	A0	CZ	6092	P -47 2374
72	9.2E	10.3M	30 56.219	-0.0027	12	-47 32 58.51	-0.006	12	0.68	56.346	36	02.2	58.23	36	02.2	A0	CZ	6090	P -47 2373
73	10.9E	11.0M	30 56.230	0.0011	12	-48 1 22.64	-0.022	12	0.68	56.176	36	02.2	21.59	36	02.2	A0	CZ	6093	P -47 2374
74	11.6E	11.5M	30 57.121	-0.0001	12	-47 32 48.63	0.005	12	0.68	57.124	36	02.2	49.08	36	02.2	A0	CZ	6091	P -47 2373
75	9.3E	9.0Z	30 57.596	-0.0020	12	-43 51 14.36	-0.001	12	0.72	57.691	45	02.1	14.31	45	02.1		CZ	6084	P -43 2694
76	7.8E	9.0M	30 59.208	-0.0011	12	-43 52 22.54	-0.003	12	0.65	59.262	28	00.2	22.40	26	00.2	B9	CZ	6086	P -43 2695
77	8.3E	9.4M	30 59.962	-0.0005	12	-43 3 46.30	-0.013	12	0.74	59.617	45	00.6	45.66	45	00.6	A0	CZ	6085	P -42 2652
78	8.5E	9.4M	31 0.198	-0.0018	12	-44 7 37.06	-0.006	12	0.72	0.283	45	02.1	36.77	45	02.1	B9	CZ	6087	P -43 2696
79	9.4E	8.9M	31 1.018	-0.0018	12	-41 42 28.64	-0.000	12	0.74	1.108	45	00.1	28.63	45	00.1	B9	CZ	6083	P -41 2668
80		6.5T	31 3.248	-0.0005	12	-46 52 14.51	0.016	12	0.65	3.275	22	99.2	15.38	19	95.7	K2	GC	11731	C -46 4287
81		9.2T	31 6.820	-0.0049	22	-45 27 59.21	-0.020	20	0.96	6.820	24	06.7	58.31	24	04.9	A0	GC	11733	C -45 4232
82	8.9E	9.2M	31 12.788	-0.0011	12	-45 10 23.39	0.003	12	0.70	12.839	45	04.7	23.53	45	04.7	A0	CZ	6098	P -44 2722
83	8.4E	8.3M	31 13.715	-0.0027	12	-43 15 20.11	-0.057	12	0.72	13.845	45	02.1	17.39	45	02.1	F5	CZ	6097	P -43 2699
84	9.1E	9.8M	31 15.643	-0.0001	12	-44 3 53.51	0.003	12	0.68	15.648	36	02.1	53.65	36	02.1	A0	CZ	6099	P -43 2702
85		6.7T	31 17.622	0.0008	09	-47 28 3.12	-0.007	07	0.37	17.589	19	07.7	2.80	15	02.8	B5	GC	11736	C -47 4072
86		6.6T	31 21.922	-0.0031	12	-45 34 52.87	0.006	10	0.60	22.083	17	98.9	53.20	18	96.0	B5	GC	11739K	C*-45 4236
87	8.9E	7.4M	31 23.240	-0.0018	12	-48 59 0.80	0.002	12	0.72	23.325	45	02.6	0.92	45	02.6	K5	CZ	6109	P -48 1762
88	10.1E	10.3M	31 23.553	-0.0022	12	-46 29 45.31	0.015	12	0.63	23.658	28	01.9	46.04	26	01.9	A0	CZ	6105	P -46 2650
89	9.8E	9.2M	31 25.727	-0.0027	12	-49 6 34.88	-0.046	12	0.72	25.855	45	02.6	32.67	45	02.6	G0	CZ	6112D	P -48 1764
90	7.6E	9.0M	31 26.033	-0.0013	12	-43 30 47.12	0.044	12	0.64	26.098	26	00.7	49.31	24	00.7	K0	CZ	6104	P -43 2706
91	10.0E	9.2M	31 26.312	-0.0010	12	-49 6 28.27	0.015	12	0.72	26.359	45	02.6	29.00	45	02.6	G0	CZ	6113D	P -48 1764
92	9.0E	9.1M	31 27.433	-0.0029	12	-48 14 39.01	0.002	12	0.65	27.573	31	01.5	39.11	28	01.5	A0	CZ	6111	P -47 2384
93	8.8E	10.0M	31 28.162	-0.0009	12	-46 17 0.02	0.014	12	0.66	28.203	36	03.2	0.68	36	03.2	A0	CZ	6107	P -46 2653
94	9.0E	9.2M	31 30.933	-0.0021	12	-48 28 33.91	-0.004	12	0.72	31.032	45	02.6	33.72	45	02.6	A2	CZ	6116	P -48 1765
95	9.3E	9.4Z	31 33.510	-0.0010	12	-43 33 55.70	-0.014	12	0.68	33.559	36	02.1	55.04	36	02.1		CZ	6108	P -43 2709
96	9.8E	9.2M	31 37.540	-0.0020	12	-42 40 48.12	-0.006	12	0.69	37.638	36	01.1	47.84	36	01.1	K0	CZ	6110	P -42 2665
97	9.0E	9.4M	31 37.849	-0.0017	12	-42 54 22.20	-0.009	12	0.69	37.933	36	01.1	21.76	36	01.1	B8	CZ	6114	P -42 2666
98		6.8T	31 41.131	-0.0004	22	-41 28 33.50	-0.135	20	1.02	41.149	19	02.8	26.96	18	01.7	G5	GC	11746	C -41 4250
99	9.1E	9.8M	31 50.426	-0.0022	12	-42 36 7.19	-0.005	12	0.65	50.536	26	00.0	6.91	24	00.0	A0	CZ	6117	P -42 2670
00	9.0E	8.4M	31 51.071	-0.0007	12	-44 49 51.21	-0.004	12	0.65	51.103	36	04.5	51.02	36	04.5	K2	CZ	6120	P -44 2736

220100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 8H DM NUMBER
1	9.0E	9.8H	8 31 51.374	-0.0023	12	-42 51 2.92	-0.010	12	0.69	51.487	36	01.1	2.43	36	01.1	A0	CZ	6118	P -42 2671
2		7.5T	31 52.417	-0.0034	16	-46 4 33.49	0.003	11	0.72	52.579	22	02.7	33.65	21	97.2	K2	GC	11751	C -45 4243
3		6.3T	31 52.703	0.0005	12	-46 47 55.76	-0.010	12	0.66	52.679	22	98.6	55.22	19	95.7	K2	GC	11752	C -46 4300
4	8.2E	9.0H	31 53.062	-0.0028	12	-42 27 39.93	-0.001	12	0.64	53.202	26	00.1	39.86	24	00.1	B9	CZ	6119	P -42 2672
5	8.9E	9.6H	31 56.911	-0.0014	12	-47 43 20.15	-0.003	12	0.68	56.976	36	02.2	20.03	36	02.2	B5	CZ	6126	P -47 2394
6	9.0E	9.8H	31 57.477	-0.0011	12	-43 16 38.99	-0.008	12	0.68	57.529	36	02.1	38.60	36	02.1	B9	CZ	6122	P -43 2718
7	7.5E	8.2H	32 1.067	-0.0017	12	-44 46 26.86	-0.014	12	0.62	1.146	28	02.9	26.20	26	02.9	B9	CZ	6125	P -44 2740
8	10.4E	9.6Z	32 1.516	-0.0027	12	-40 37 16.73	0.023	12	0.65	1.648	28	00.8	17.86	26	00.8		CZ	6121	P -40 2620
9	9.4E	9.0Z	32 5.447	-0.0011	12	-44 44 50.84	-0.013	12	0.65	5.498	36	04.5	50.24	36	04.5	B9	CZ	6127	P -44 2744
10	9.3E	10.2H	32 9.884	-0.0019	12	-45 13 34.06	-0.002	12	0.65	9.969	36	04.9	33.99	36	04.9	A0	CZ	6128	P -44 2747
11	8.3E	8.8H	32 12.587	-0.0006	12	-48 19 11.69	-0.039	12	0.72	12.614	45	02.6	9.86	45	02.6	F2	CZ	6131	P -48 1770
12	9.0E	9.1H	32 13.788	-0.0009	12	-46 3 20.63	0.012	12	0.65	13.827	36	04.9	21.15	36	04.9	K0	CZ	6130	P -45 2649
13	7.8E	8.9H	32 17.036	-0.0021	12	-41 30 23.56	-0.004	12	0.71	17.132	45	03.7	23.39	45	03.7	K2	CZ	6129	P -41 2692
14	8.9E	8.7H	32 17.729	-0.0012	12	-49 46 4.15	0.016	12	0.71	17.782	45	03.6	4.87	45	03.6	A0	CZ	6134	P -49 1701
15	10.8E	9.9H	32 18.582	-0.0031	12	-49 46 8.23	-0.004	12	0.71	18.724	45	03.6	8.02	45	03.6	A0	CZ	6135	P -49 1701
16	9.4E	8.5H	32 23.550	-0.0014	12	-49 55 4.45	0.004	12	0.71	23.613	45	03.6	4.61	45	03.6	F	CZ	6139	P -49 1703
17	7.0E	7.6H	32 25.718	-0.0033	12	-44 22 20.26	-0.003	12	0.64	25.873	31	02.5	20.40	28	02.5	B5	CZ	6133	P -44 2751
18	8.0E	7.0H	32 26.229	-0.0027	12	-41 55 46.31	-0.005	12	0.65	26.360	26	01.4	46.04	24	01.4	K0	CZ	6132	P -41 2698
19	9.7E	9.5Z	32 27.793	-0.0001	12	-45 27 38.55	0.010	12	0.69	27.798	45	05.2	39.02	45	05.2		CZ	6136	P -45 2653
20	9.1E	9.8H	32 30.516	-0.0017	12	-44 37 49.18	0.007	12	0.70	30.592	45	04.7	49.48	45	04.7	B9	CZ	6137	P -44 2754
21		7.5T	32 30.742	-0.0041	15	-45 27 49.92	0.006	11	0.70	30.943	22	01.1	50.25	19	95.7	B8	GC	11763	C -45 4255
22	9.0E	8.8H	32 37.343	-0.0026	12	-43 50 20.88	0.008	12	0.71	37.464	45	03.2	21.24	45	03.2	B9	CZ	6140	P -43 2725
23	9.5E	9.7Z	32 42.390	-0.0020	12	-44 31 4.73	0.001	12	0.70	42.480	45	04.7	4.75	45	04.7		CZ	6142	P -44 2756
24	9.2E	9.6Z	32 45.668	-0.0028	12	-44 0 53.35	0.004	12	0.71	45.798	45	03.2	53.53	45	03.2		CZ	6143	P -43 2726
25	9.3E	9.8H	32 46.079	-0.0017	12	-46 51 1.17	-0.005	12	0.71	46.156	45	03.7	0.96	45	03.7	A2	CZ	6147	P -46 2680
26	8.8E	9.6H	32 47.566	-0.0020	12	-44 20 0.64	-0.004	12	0.70	47.657	45	04.7	0.45	45	04.7	B9	CZ	6145	P -44 2759
27	8.4E	8.3H	32 49.103	-0.0035	12	-46 57 12.15	0.022	12	0.71	49.263	45	03.7	13.15	45	03.7	K0	CZ	6151	P -46 2681
28	7.9E	8.6H	32 51.934	-0.0028	12	-41 3 41.82	0.010	12	0.80	52.055	63	06.3	42.27	57	06.3	B8	CZ	6144	P -40 2642
29		7.3T	32 52.888	0.0004	09	-44 5 49.07	-0.026	08	0.41	52.871	14	06.2	47.86	12	03.1	K0	GC	11770	C -43 4422
30	8.6E	8.7Z	32 53.204	-0.0029	12	-44 15 55.46	-0.004	12	0.70	53.335	45	04.7	55.27	45	04.7	B9	CZ	6149	P -44 2762
31	10.8E	9.8Z	32 53.884	-0.0019	12	-44 15 49.66	-0.003	12	0.70	53.970	45	04.7	49.50	45	04.7	B9	CZ	6150	P -44 2762
32	9.1E	9.4Z	32 56.263	-0.0023	12	-44 7 56.75	-0.002	12	0.71	56.370	45	03.2	56.64	45	03.2		CZ	6152	P -43 2732
33	7.6E	8.2H	32 58.113	-0.0017	12	-44 21 18.39	0.008	12	0.70	58.189	45	04.7	18.75	45	04.7	B9	CZ	6154	P -44 2763
34	8.3E	8.3H	33 4.111	-0.0024	12	-49 28 36.52	0.002	12	0.71	4.222	45	03.6	36.60	45	03.6	A0	CZ	6161	P -49 1708
35	9.3E	9.0H	33 10.550	-0.0018	12	-44 42 49.54	-0.010	12	0.70	10.632	45	04.7	49.07	45	04.7	K5	CZ	6157	P -44 2765
36	10.2E	9.0Z	33 11.559	-0.0007	12	-48 39 0.99	-0.020	12	0.72	11.594	45	02.6	0.06	45	02.6	B9	CZ	6163	P -48 1783
37	9.3E	9.0Z	33 11.870	-0.0023	12	-48 38 50.51	0.016	12	0.72	11.981	45	02.6	51.28	45	02.6	B9	CZ	6164	P -48 1783
38		4.9T	33 12.026	0.0004	07	-49 46 16.11	0.017	05	0.30	12.011	14	09.4	16.93	12	01.9	K0	GC	11783	C*-49 3646
39	9.3E	10.0H	33 13.919	-0.0009	12	-45 18 14.38	-0.000	12	0.69	13.959	45	05.2	14.36	45	05.2	A0	CZ	6162	P -45 2671
40	9.2E	10.0H	33 13.959	-0.0056	12	-43 30 16.68	0.005	12	0.71	14.222	45	03.2	16.91	45	03.2	F2	CZ	6159	P -43 2740
41	9.3E	9.4H	33 19.329	-0.0025	12	-40 20 55.58	0.013	12	0.64	19.449	28	01.4	56.22	26	01.4	A0	CZ	6158	P -40 2656
42	9.5E	9.0H	33 25.520	-0.0017	12	-48 24 7.06	-0.009	12	0.72	25.599	45	02.6	6.65	45	02.6	K0	CZ	6172	P -48 1786
43	8.6E	9.1H	33 26.104	-0.0023	12	-45 3 20.45	-0.004	12	0.70	26.209	45	04.7	20.29	45	04.7	A0	CZ	6167D	P*-44 2770
44	9.4E	9.6Z	33 27.469	-0.0012	12	-45 35 36.76	-0.002	12	0.69	27.523	45	05.2	36.65	45	05.2		CZ	6168	P -45 2677
45	9.5E	10.1H	33 31.663	-0.0014	12	-41 1 59.86	0.004	12	0.80	31.724	63	06.3	+ 0.04	57	06.3	B9	CZ	6166	P -40 2661
46	9.6E	9.8H	33 32.780	-0.0016	12	-42 47 51.61	0.003	12	0.73	32.857	45	01.6	51.75	45	01.6	F0	CZ	6169	P -42 2705
47	8.9E	9.8H	33 33.653	-0.0022	12	-44 7 23.63	-0.005	12	0.71	33.755	45	03.2	23.38	45	03.2	B9	CZ	6171	P -43 2747
48	9.4E	8.2H	33 35.618	-0.0011	12	-49 34 10.57	-0.014	12	0.71	35.670	45	03.6	9.91	45	03.6	K5	CZ	6178	P -49 1716
49	9.7E	9.4H	33 36.395	-0.0004	12	-49 41 33.46	0.007	12	0.71	36.415	45	03.6	33.77	45	03.6	B	CZ	6179	P -49 1717
50	8.1E	8.6H	33 38.524	-0.0064	12	-47 47 13.41	0.070	12	0.72	38.828	45	02.2	16.78	45	02.2	F8	CZ	6177	P -47 2418
51	9.2E	9.6H	8 33 38.585	-0.0024	12	-46 3 19.49	0.019	12	0.69	38.691	45	05.2	20.32	45	05.2	A0	CZ	6176	P -45 2681
52	9.2E	8.6H	33 41.575	-0.0039	12	-41 56 3.34	-0.010	12	0.71	41.755	45	03.7	2.86	45	03.7	F8	CZ	6174	P -41 2723
53	10.5E	10.2H	33 41.783	-0.0020	12	-43 6 52.84	-0.011	12	0.64	41.883	26	00.1	52.28	24	00.1	B8	CZ	6175	P -42 2709
54		7.0T	33 49.481	-0.0033	16	-47 23 52.32	-0.004	11	0.71	49.640	18	02.1	52.11	21	97.2	K5	GC	11793	C -47 4116
55	7.6E	7.6H	33 51.211	-0.0030	12	-42 23 12.09	-0.001	12	0.65	51.360	28	99.8	12.03	26	99.8	F5	CZ	6180	P -42 2714
56	9.6E	10.0H	33 52.490	-0.0019	12	-49 42 27.65	-0.003	12	0.71	52.580	45	03.6	27.49	45	03.6	B8	CZ	6183	P -49 1721
57	7.8E	7.3H	33 54.630	-0.0004	12	-40 41 38.24	-0.037	12	0.80	54.646	63	06.3	36.64	57	06.3	F5	CZ	6181	P -40 2673
58	7.7E	8.5Z	34 1.639	-0.0023	12	-48 22 27.21	0.009	12	0.72	1.754	45	02.6	27.62	45	02.6	B9	CZ	6188	P -48 1792
59	9.6E	10.0H	34 1.750	-0.0008	12	-45 42 26.55	0.002	12	0.69	1.788	45	05.2	26.62	45	05.2	G5	CZ	6186	P -45 2687
60	10.3E	9.0H	34 2.237	-0.0014	12	-48 22 41.62	-0.002	12	0.72	2.302	45	02.6	41.55	45	02.6	B9	CZ	6189	P -48 1792
61	7.6E	8.8H	34 4.256	-0.0061	12	-43 34 53.46	0.037	12	0.71	4.541	45	03.2	55.19	45	03.2	A5	CZ	6184	P -43 2758
62	9.7E	10.2H	34 7.390	-0.0014	12	-49 1 16.29	-0.010	12	0.65	7.457	31	01.5	15.80	28	01.5	A2	CZ	6192	P -48 1794
63	9.0E	10.0H	34 13.253	-0.0029	12	-46 57 8.46	0.034	12	0.71	13.386	45	03.7	10.06	45	03.7	A3	CZ	6193	P -46 2704
64	9.2E	8.1H	34 13.482	-0.0007	12	-41 22 27.19	-0.001	12	0.71	13.514	45	03.7	27.15	45	03.7	K0	CZ	6187	P -41 2728
65	8.8E	9.4H	34 14.861	-0.0014	12	-47 40 20.75	-0.007	12	0.72	14.926	45	02.2	20.39	45	02.2	A0	CZ	6195	P -47 2427
66	8.7E	9.1H	34 19.272	-0.0027	12	-44 13 18.70	0.009	12	0.70	19.394	45	04.7	19.09	45	04.7	B9	CZ	6194	P -43 2768
67		7.5T	34 23.158	-0.0017	16	-46 19 38.43	-0.010	11	0.72	23.242	19	01.6	37.91	18	97.4	B5	GC	11806	C -46 4349
68	9.5E	9.6H	34 27.300	-0.0019	12	-43 13 16.57	-0.006	12	0.71	27.389	45	03.2	16.28	45	03.2	G0	CZ	6196	P -42 2731
69	9.6E	9.4H	34 33.085	-0.0036	12	-43 39 1.66	0.004	12	0.71	33.255	45	03.2	1.84	45	03.2	K2	CZ	6199	P -43 2774
70	9.1E	10.0H	34 36.688	-0.0027	12	-46 30 1.99	0.014	12	0.71	36.815	45	03.7	2.66	45	03.7	F0	CZ	6201	P -46 2717
71		9.1T	34 39.454	0.0026	18	-46 5 14.17	-0.024	18	0.86	39.338	24	04.7	13.09	24	04.8	K0	GC	11811	C -45 4291
72	8.7E	9.2H	34 40.109	-0.0017	12	-45 15 1.43	0.005	12	0.64	40.180	31	02.8	1.69	28	02.8	A0	CZ	6202	P -44 2805
73		9.7T	34 40.144	0.0057	17	-45 59 25.64	-0.083	16	0.81	39.880	24	03.5	21.65	22	01.9	G5	GC	11812	C -45 4292
74		8.7T	34 42.143	-0.0014	15	-49 9 29.69	-0.019	13	0.72	42.208	22	02.7	28.74	21	98.9	B8	GC	11814	C -48 3938
75	9.1E	10.5H	34 49.354	-0.0022	12	-47 25 23.24	-0.015	12	0.72	49.458	45	02.2	22.55	45	02.2	A2	CZ	6206	P -47 2439
76	8.3E	9.6H	34 53.505	-0.0021	12	-43 54 17.97	0.010	12	0.71	53.602	45	03.2	18.43	45	03.2	B3	CZ	6205	P -43 2781
77	9.6E	9.1H	34 59.277	-0.0008	12	-45 39 53.51	-0.002	12	0.69	59.313	45	05.2	53.40	45	05.2	K0	CZ	6210	P -45 2709
78	10.0E	9.5H	35 2.265	-0.0032	12	-41 49 7.69	0.017	12	0.71	2.412	45	03.7	8.46	45	03.7	F0	CZ	6207	P -41 2742
79	13.2E	11.2H	35 2.873	-0.0028	12	-41 49 12.96	0.001	12	0.71	3.002	45	03.7	12.99	45	03.7	F0	CZ	6208	P -41 2742
80		8.0T	35 3.540	-0.0044	16	-47 19 29.89	0.000	10	0.70	3.754	19	01.6	29.90	18	96.8	A5	GC	11824K	C -47 4135
81		9.5T	35 3.772	-0.0000	22	-47 19 21.60	0.004	17	0.93	3.774	24	05.8	21.79	22	03.2		GC	11825K	C -47 4135
82		7.4T	35 6.630	0.0005	11	-47 49 24.72	-0.003	09	0.59	6.604	18	97.4	24.55	18	94.4	B8	GC	11826	C -47 4136
83	8.9E	8.2H	35 11.009	-0.0022	12	-46 8 52.77	0.058	12	0.69	11.105	45	05.2	55.39	45	05.2	G0	CZ	6212	P -45 2717
84	8.3E	9.0H	35 14.253	-0.0020	12	-40 36 0.70	-0.014	12	0.80	14.339	63	06.3	0.09	57	06.3	B9	CZ	6213	P -40 2691
85	8.8E	9.0Z	35 15.177	-0.0003	12	-45 20 47.72	-0.007	12	0.69	15.190	45	05.2	47.38	45	05.2		CZ	6220	P -45 2718
86	7.5I		35 17.673	-0.0018	12	-43 56 21.35	0.002	09	0.61	17.764	18	99.9	21.48	19	93.3	K0	GC	11834X	C*-43 4474
87	9.0E	9.0Z	35 18.023	-0.0028	12	-45 6 52.50	-0.001	12	0.70	18.150	45	04.7	52.48	45	04.7		CZ	6222	P -44 2817
88	9.3E	9.0Z	35 19.410	-0.0019	12	-49 30 7.17	-0.007	12	0.64	19.503	31	02.1	6.83	28	02.1		CZ	6226	P -49 1738
89	7.3E	7.8H	35 20.281	-0.0018	12	-43 38 11.59	0.007	12	0.71	20.365	45	03.2	11.92	45	03.2	G5	CZ	6221	P -43 2788
90	7.7E	8.0H	35 22.610	-0.0041	12	-43 21 29.33	0.045	12	0.71	22.801	45	03.2	31.44	45	03.2	A2	CZ	6223	P -43 2789
91	9.5E	9.3H	35 28.363	-0.0077	12	-41 8 44.77	0.159	12	0.80	28.698	63	06.3	51.72	57	06.3	G5	CZ	6225	P -40 2694
92	7.8E	7.3H	35 29.333	-0.0034	12	-40 30 58.02	-0.002	12	0.80	29.481	63	06.3	57.94	57	06.3	A0	CZ	6224	P -40 2693
93	8.8E	9.2H	35 35.390	-0.0020	12	-41 20 2.68	0.011	12	0.64	35.487	28	01.2	3.21	26	01.2	B9	CZ	6227	P -41 2756
94		10.4T	35 35.661	-0.0017	15	-49 15 5.51	0.023	15	0.76	35.578	22	01.9	6.65	22	01.4		GC	11843K	C -48 3950
95		7.4T	35 36.245	-0.0022	10	-49 14 59.37	0.001	09	0.53	36.365	21	95.0	59.45	17	95.8	A0	GC	11845K	C -48 3950
96	8.4E	9.2H	35 37.063	-0.0008	12	-47 1 23.71	-0.002	12	0.65	37.099	31	01.8	23.64	28	01.8	B8	CZ	6231	P -46 2738
97	8.0E	8.4H	35 37.711	-0.0025	12	-45 1 53.74	0.005	12	0.64	37.831	31	02.5	54.00	28	02.5	B3	CZ	6230	P -44 2824
98	8.7E	8.6H	35 40.532	-0.0025	12	-42 10 47.68	0.004	12	0.73	40.654	45	01.6	47.85	45	01.6	B8	CZ	6228	P -41 2759
99	8.7E	8.5Z	35 40.788	-0.0007	12	-45 26 19.64	0.013	12	0.69	40.819	45	05.2	20.24	45	05.2		CZ	6232	P -45 2732
00	8.5E	8.4H	35 41.975	-0.0062	12	-48 44 8.40	0.041	12	0.64	42.273	28	01.7	10.38	26	01.7	F5	CZ	6239	P -48 1809

220200 — EPOCH 1950 — ORIGINAL EPOCH — -40° 8H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	$\sigma\mu$.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	8.6E	10.2H	8 35 42.393	-0.0022	12	-47 48 53.80	-0.002	12	0.68	42.497	36	02.2	53.72	36	02.2	A0	CZ	6237	P -47 2454
2	9.2E	10.1H	35 45.279	-0.0021	12	-40 11 26.75	-0.005	12	0.80	45.370	63	06.3	26.53	57	06.3	A0	CZ	6229	P -39 2671
3	8.2E	7.1H	35 50.021	-0.0003	12	-40 15 36.96	0.010	12	0.80	50.034	63	06.3	37.40	57	06.3	MA	CZ	6233	P -40 2697
4		4.1H	35 53.068	-0.0011	03	-42 48 47.89	0.005	03	0.11	53.104	06	17.7	48.07	06	12.2	A5	F4	324	C -42 4451
5	8.3E	8.3H	35 53.431	-0.0002	12	-40 39 54.22	0.002	12	0.80	53.499	63	06.3	54.31	57	06.3	A2	CZ	6236	P -40 2701
6		7.1T	36 0.246	-0.0001	13	-46 6 24.88	-0.008	12	0.67	0.252	18	00.0	24.47	17	97.7	B5	GC	11853	C -45 4322
7	8.3E	7.9H	36 1.332	-0.0016	12	-42 8 36.16	0.006	12	0.64	1.410	28	01.2	36.43	26	01.2	K0	CZ	6240	P -41 2766
8		7.7I	36 3.417	-0.0037	25	-47 11 10.22	-0.011	22	1.08	3.257	24	06.6	9.73	24	05.4	G5	GC	11855V	C⊕-46 4348
9	8.9E	7.9H	36 3.265	-0.0013	12	-40 11 50.93	0.010	12	0.80	5.341	63	06.3	51.37	57	06.3	K2	CZ	6241	P -39 2686
10	9.0E	9.1H	36 6.403	-0.0022	12	-42 22 59.07	-0.017	12	0.73	6.509	45	01.6	58.23	45	01.6	K0	CZ	6242	P -42 2758
11	9.3E	9.3H	36 8.086	-0.0017	12	-41 37 46.43	0.005	12	0.64	8.149	28	01.2	46.68	26	01.2	A0	CZ	6246	P -41 2767
12	9.3E	9.8H	36 9.711	-0.0018	12	-40 23 10.56	0.006	12	0.80	9.789	63	06.3	10.83	57	06.3	A0	CZ	6243	P -40 2704
13	9.2E	8.8H	36 12.753	-0.0030	12	-44 18 34.89	0.008	12	0.62	12.894	28	02.9	35.25	26	02.9	K0	CZ	6250	P -44 2837
14	9.5E	9.2Z	36 17.662	-0.0021	12	-45 9 58.87	-0.005	12	0.70	17.758	45	04.7	58.66	45	04.7	B9	CZ	6252	P -44 2840
15	10.1E	8.6H	36 20.188	-0.0018	12	-41 54 2.73	0.008	12	0.71	20.271	45	03.7	3.08	45	03.7	K0	CZ	6251	P -41 2771
16	8.5E	7.4H	36 22.203	0.0007	12	-46 43 40.42	0.010	12	0.68	22.167	36	01.8	40.88	36	01.8	MA	CZ	6253	P -46 2759
17		7.5T	36 24.676	-0.0023	11	-49 54 16.04	0.036	08	0.42	24.769	15	09.8	17.62	15	06.4	K5	GC	11864	C -49 3692
18	8.4E	9.6H	36 25.302	-0.0016	12	-48 33 46.97	-0.004	12	0.67	25.380	36	02.5	46.79	36	02.5	B9	CZ	6256	P -48 1817
19	7.6E	8.5H	36 27.788	-0.0022	12	-45 9 43.56	-0.000	12	0.65	27.887	36	04.5	43.54	36	04.5	B9	CZ	6255	P -44 2849
20	9.2E	10.0H	36 29.670	-0.0033	12	-43 55 1.42	0.004	12	0.66	29.823	36	03.5	1.59	36	03.5	A2	CZ	6254	P -43 2811
21	9.4E	10.5H	36 31.405	-0.0017	12	-47 37 38.32	-0.007	12	0.64	31.491	28	01.2	37.95	26	01.2	B9	CZ	6260	P -47 2471
22	7.7E	7.5H	36 32.457	-0.0024	12	-45 25 2.11	0.021	12	0.67	32.568	36	02.8	3.08	36	02.8	K2	CZ	6257	P -45 2751
23	9.3E	9.6H	36 36.705	-0.0033	12	-44 7 15.37	0.001	12	0.66	36.857	36	03.8	15.40	36	03.8	B9	CZ	6259	P -43 2813
24	9.3E	9.2Z	36 46.098	-0.0044	12	-46 36 2.40	0.002	12	0.68	46.308	36	01.8	2.52	36	01.8	B9	CZ	6263	P -46 2761
25	7.7E	8.5Z	36 47.635	-0.0004	12	-46 35 58.62	0.002	12	0.68	47.655	36	01.8	58.90	36	01.8	B9	CZ	6264	P -46 2761
26	9.0E	9.5Z	36 49.822	-0.0015	12	-46 59 24.50	-0.017	12	0.68	49.892	36	01.8	23.66	36	01.8		CZ	6265	P -46 2763
27	7.9E	8.4H	36 53.679	-0.0016	12	-42 16 12.36	0.005	12	0.64	53.757	28	00.5	12.60	24	00.5	B9	CZ	6262	P -42 2771
28	7.6E	8.2H	36 53.721	-0.0002	12	-45 45 3.43	0.010	12	0.64	53.711	28	01.6	3.90	26	01.6	B8	CZ	6266	P -45 2751
29	8.4E	8.9H	36 54.981	-0.0033	12	-41 24 10.29	0.007	12	0.63	55.141	26	01.6	10.63	24	01.6	B9	CZ	6261	P -41 2776
30	7.8E	8.2H	36 56.884	-0.0010	12	-45 37 17.57	-0.004	12	0.67	56.929	36	02.8	17.37	36	02.8	A2	CZ	6267	P -45 2762
31	7.7E	8.5H	36 59.278	-0.0011	12	-46 36 17.15	0.021	12	0.65	59.332	28	00.9	18.16	26	00.9	B9	CZ	6269	P -46 2765
32	9.3E	9.2H	36 59.801	-0.0016	12	-49 29 14.37	-0.014	12	0.71	59.875	45	03.6	13.71	45	03.6	F2	CZ	6274	P -49 1755
33	9.4E	7.8H	37 6.186	-0.0019	12	-47 36 39.50	0.002	12	0.68	6.279	36	02.2	39.62	36	02.2	K2	CZ	6275	P -47 2483
34	8.4E	9.4H	37 6.772	-0.0030	12	-43 34 54.73	0.011	12	0.63	6.918	26	01.7	55.26	24	01.7	B9	CZ	6273	P -43 2823
35	9.3E	9.4H	37 18.788	-0.0004	12	-46 2 58.85	0.015	12	0.67	18.805	36	02.8	59.53	36	02.8	B8	CZ	6277	P -45 2772
36	7.9E	7.1H	37 19.468	-0.0013	12	-40 14 31.55	0.007	12	0.80	19.524	63	06.3	31.87	57	06.3	OE5	CZ	6276	P -39 2725
37	9.5E	9.8Z	37 26.343	-0.0013	12	-45 47 12.86	0.007	12	0.73	26.408	45	01.6	13.25	45	01.6		CZ	6281	P -45 2780
38	9.4E	9.8Z	37 39.046	-0.0025	12	-46 20 14.98	0.008	12	0.74	39.169	45	00.1	15.40	45	00.1		CZ	6284	P -46 2775
39	8.6	9.1W	37 48.818	-0.0038	09	-40 4 17.72	-0.013	09	0.22	48.870	15	36.3	17.54	21	36.3	B9	CB	3809	C -39 4641
40		8.3T	37 49.971	-0.0021	20	-42 18 33.10	-0.004	16	0.87	50.067	19	03.7	32.91	22	01.6	B9	GC	11914	C -42 4487
41	9.3E	8.3H	37 52.175	-0.0017	12	-41 6 43.68	-0.017	12	0.80	52.248	63	06.3	42.94	57	06.3	K2	CZ	6287	P -40 2735
42	9.3E	9.3H	37 52.115	-0.0015	12	-41 48 1.85	-0.002	12	0.70	52.183	45	04.2	1.74	45	04.2	A0	CZ	6288	P -41 2809
43	9.3E	7.6H	37 52.524	-0.0036	12	-46 12 20.99	0.019	12	0.74	52.702	45	00.1	21.92	45	00.1	K5	CZ	6290	P -45 2799
44	8.8E	9.6H	37 52.613	-0.0025	12	-44 35 20.88	-0.010	12	0.64	52.431	31	02.5	20.36	28	02.5	A0	CZ	6292	P -44 2883
45	9.4E	8.2H	37 52.638	-0.0045	12	-49 6 37.09	0.025	12	0.71	52.669	45	03.2	36.25	45	03.2	K0	CZ	6296	P -48 1844
46	9.4E	10.9H	37 52.737	-0.0016	12	-48 25 21.54	0.001	12	0.71	52.810	45	03.2	21.61	45	03.2	B9	CZ	6294	P -48 1842
47	7.9E	8.0H	37 52.884	-0.0032	12	-40 56 2.28	-0.031	12	0.80	53.013	63	06.3	0.94	57	06.3	A0	CZ	6291	P -40 2740
48	9.8E	9.8H	37 52.898	-0.0019	12	-44 57 29.84	-0.006	12	0.70	52.985	45	04.7	29.56	45	04.7	A	CZ	6293	P -44 2886
49	9.3E	9.8H	37 52.912	-0.0023	12	-44 36 22.91	-0.008	12	0.70	52.915	45	04.7	22.53	45	04.7	A0	CZ	6295	P -44 2887
50	8.4E	8.4H	37 52.926	-0.0020	12	-44 32 13.59	-0.009	12	0.70	52.895	45	04.7	13.16	45	04.7	K0	CZ	6297	P -44 2891
51	8.3E	8.8H	8 37 52.858	-0.0032	12	-45 26 15.63	0.002	12	0.73	52.914	45	01.6	15.75	45	01.6	B9	CZ	6300	P -45 2808
52		5.2T	38 29.023	-0.0044	08	-40 5 8.51	-0.007	06	0.39	29.251	14	98.2	8.10	14	93.7	B9	GC	11931K	C⊕-39 4653
53	9.4E	10.2H	38 29.174	-0.0032	12	-47 34 13.95	-0.012	12	0.72	29.329	45	02.2	13.40	45	02.2	A0	CZ	6301D	P -47 2507
54	9.0E	10.0H	38 29.470	-0.0020	12	-49 10 22.75	-0.000	12	0.81	29.560	63	04.2	22.74	57	04.2	B	CZ	6304	P -48 1846
55	11.2E	11.2H	38 29.991	-0.0029	12	-47 34 14.65	-0.009	12	0.72	30.131	45	02.2	14.24	45	02.2	A0	CZ	6302D	P -47 2507
56		8.0T	38 33.772	-0.0030	15	-42 10 28.48	0.004	12	0.72	33.917	22	01.4	28.69	21	98.4	G0	GC	11936	C -41 4370
57		7.2T	38 34.159	-0.0035	09	-42 12 39.81	0.028	08	0.40	34.308	15	07.0	41.11	14	03.8	A2	GC	11937	C -41 4371
58		7.5T	38 36.362	-0.0040	16	-48 16 3.45	0.009	11	0.71	36.555	19	01.7	3.92	18	97.8	K0	GC	11939	C -48 4008
59	9.0E	9.2H	38 40.056	-0.0017	12	-45 56 43.07	-0.005	12	0.73	40.139	45	01.6	42.81	45	01.6	A	CZ	6305	P -45 2816
60	7.8E	7.9H	38 43.405	-0.0034	12	-40 53 31.34	0.013	12	0.80	43.552	63	06.3	31.92	57	06.3	B9	CZ	6303	P -40 2749
61		5.7T	38 52.956	0.0006	07	-45 0 45.11	-0.005	06	0.31	52.932	12	08.9	44.88	10	03.1	K5	GC	11946	C -44 4679
62		7.5T	38 55.391	-0.0014	16	-42 9 41.89	0.019	12	0.74	55.459	17	00.3	42.87	15	98.7	K5	GC	11948	C -41 4380
63	10.1E	9.5Z	38 56.698	-0.0023	12	-47 3 25.44	0.002	12	0.74	56.811	45	00.1	25.52	45	00.1		CZ	6314D	P -46 2807
64	10.3E	9.8H	38 57.178	-0.0013	12	-47 3 28.77	0.005	12	0.74	57.240	45	00.1	29.04	45	00.1		CZ	6315D	P -46 2807
65		4.1H	38 57.963	-0.0004	03	-46 28 12.11	0.002	03	0.13	57.977	07	10.7	12.17	06	11.8	F5P	F4	1226	C -46 4436
66	10.0E	9.2H	39 0.926	-0.0014	12	-46 27 51.84	0.010	12	0.74	0.994	45	00.1	52.31	45	00.1		CZ	6317	P -46 2805
67	9.8E	9.4H	39 2.645	-0.0018	12	-42 48 42.95	-0.002	12	0.65	2.735	28	00.2	42.85	26	00.2	A0	CZ	6312	P -42 2806
68	10.0E	9.5H	39 3.481	-0.0055	12	-40 30 12.97	0.013	12	0.80	3.721	63	06.3	13.55	57	06.3	K0	CZ	6311	P -40 2753
69	9.0E	9.5Z	39 4.804	-0.0023	12	-42 11 3.88	-0.010	12	0.72	4.914	45	02.1	3.38	45	02.1		CZ	6313	P -41 2835
70		7.5T	39 5.156	-0.0027	14	-44 52 46.79	-0.011	13	0.73	5.291	21	00.1	46.23	19	97.7	B2	GC	11955	C -44 4683
71	9.0E	9.6H	39 8.381	-0.0038	12	-44 34 13.77	-0.002	12	0.70	8.553	45	04.7	13.66	45	04.7	A0	CZ	6319	P -44 2912
72	9.1E	9.3Z	39 9.943	-0.0019	12	-45 19 34.54	0.002	12	0.73	10.034	45	01.6	34.65	45	01.6		CZ	6322	P -45 2825
73	9.1E	9.0Z	39 10.208	-0.0025	12	-48 1 59.28	-0.003	12	0.72	10.328	45	02.2	59.16	45	02.2		CZ	6324	P -47 2524
74	8.7E	8.2H	39 12.316	-0.0045	12	-45 35 2.23	-0.029	12	0.73	12.535	45	01.6	0.81	45	01.6	K2	CZ	6323	P -45 2829
75	9.3E	9.5H	39 13.965	-0.0034	12	-41 15 49.86	0.004	12	0.64	14.128	28	01.8	50.05	26	01.8	A0	CZ	6320	P -40 2757
76		6.8T	39 16.856	0.0011	14	-48 2 46.47	0.016	11	0.68	16.804	22	00.6	47.35	19	94.9	B5	GC	11957	C -47 4210
77	9.3E	9.4H	39 19.699	-0.0033	12	-42 56 55.20	-0.008	12	0.72	19.857	45	02.1	54.81	45	02.1	A2	CZ	6325	P -42 2813
78	8.8E	9.6H	39 24.673	-0.0024	12	-47 16 54.52	-0.009	12	0.66	24.790	31	00.8	54.10	28	00.8	A2	CZ	6333	P -47 2530
79		7.7T	39 24.681	-0.0008	16	-47 53 19.89	-0.030	11	0.72	24.719	22	02.7	18.31	21	97.2	B5	GC	11960	C -47 4214
80	9.2E	10.0H	39 24.777	-0.0035	12	-48 10 54.67	-0.015	12	0.71	24.939	45	03.2	53.98	45	03.2	A0	CZ	6335	P -47 2533
81	9.3E	9.1H	39 24.953	-0.0026	12	-49 49 33.55	0.008	12	0.64	25.074	31	02.5	33.91	28	02.5	A0	CZ	6337	P -49 1772
82		8.1T	39 30.067	-0.0010	07	-48 44 36.20	0.006	06	0.34	30.112	12	03.4	36.52	12	00.0	B5	GC	11962	C -48 4020
83	8.4E	8.5Z	39 31.189	-0.0033	12	-45 5 53.12	-0.006	12	0.70	31.340	45	04.7	52.87	45	04.7		CZ	6336	P -44 2920
84		4.9T	39 34.638	-0.0017	09	-47 8 16.20	0.006	06	0.34	34.706	14	10.5	16.48	14	04.1	A3	GC	11966	C⊕-46 4448
85	8.7E	9.1Z	39 34.698	-0.0019	12	-45 34 30.07	-0.002	12	0.73	34.791	45	01.6	29.95	45	01.6		CZ	6338	P -45 2836
86		8.3T	39 37.733	-0.0031	10	-47 23 44.18	-0.002	12	0.77	37.878	22	08.7	44.08	21	97.6	B8	GC	11967	C -47 4217
87	9.1E	9.2H	39 42.301	-0.0028	12	-47 51 49.24	0.006	12	0.72	42.433	45	02.2	49.55	45	02.2	A2	CZ	6345	P -47 2540
88	9.4E	8.3H	39 43.972	-0.0028	12	-41 3 28.75	0.013	12	0.80	44.084	63	06.3	29.32	57	06.3	K5	CZ	6340	P -40 2766
89	9.2E	9.3Z	39 47.086	-0.0034	12	-45 24 13.24	0.012	12	0.73	47.231	45	01.6	13.84	45	01.6		CZ	6346	P -45 2842
90	9.2E	9.2H	39 47.556	-0.0036	12	-43 30 28.79	0.013	12	0.71	47.726	45	03.2	29.40	45	03.2	A3	CZ	6344	P -43 2872
91	9.0E	9.0H	39 48.476	-0.0050	12	-42 24 45.23	-0.039	12	0.72	48.716	45	02.1	43.35	45	02.1	G0	CZ	6343	P -42 2821
92	9.3E	9.1H	39 51.222	-0.0035	12	-44 4 17.07	0.012	12	0.65	51.394	28	00.9	17.65	26	00.9	G5	CZ	6347D	P⊕-43 2874
93		6.6T	39 52.115	-0.0008	12	-44 48 44.09	0.016	09	0.59	52.156	18	99.6	45.05	19	91.6	B9	GC	11972	C -44 4698
94	9.1E	9.4H	39 55.790	-0.0012	12	-47 50 44.17	-0.002	12	0.72	55.845	45	02.2	44.10	45	02.2	B8	CZ	6350	P -47 2545
95	9.4E	9.3Z	40 4.542	-0.0021	12	-49 25 5.37	0.007	12	0.70	4.637	45	04.2	5.68	45	04.2		CZ	6356	P -49 1776
96	9.3E	9.0Z	40 6.836	-0.0032	12	-45 22 18.00	0.017	12	0.73	6.991	45	01.6	18.85	45	01.6		CZ	6353	P -45 2850
97	8.8E	9.3H	40 9.642	-0.0021	12	-42 14 8.69	-0.003	12	0.72	9.783	45	02.1	8.32	45	02.1	A0	CZ	6351	P -41 2853
98	8.8E	8.9H	40 12.763	-0.0029	12	-41 39 0.01	0.001	12	0.70	12.896	45	04.2	0.06	45	04.2	A0	CZ	6352	P -41 2855
99	8.0E	9.0H	40 13.055	-0.0028	12	-42 25 4.89	0.005	12	0.65	13.195	28	00.2	5.12	26	00.2	A0	CZ	6354D	P⊕-42 2830
00		5.2T	40 14.723	-0.0009	09	-45 13 50.86	-0.004	06	0.34	14.759	14	10.1	50.68	12	03.7	B5	GC	11978	C⊕-44 4704

220300

EPOCH 1950											ORIGINAL EPOCH						SP.	SOURCE		-40° 8H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	9.0E	9.4M	8 40 16.996	-0.0033	12	-47 34 28.90	-0.003	12	0.72		17.156	45	02.2	28.74	45	02.2	FO	CZ	6359	P -47 2558
2	7.7E	8.6M	40 17.838	-0.0020	12	-40 31 31.80	0.009	12	0.80		17.924	63	06.3	32.21	57	06.3	B8	CZ	6355	P -40 2776
3	9.3E	11.5M	40 18.151	-0.0023	12	-47 41 24.87	-0.003	12	0.72		18.259	45	02.2	24.74	45	02.2	B9	CZ	6360	P -47 2560
4	8.2E	8.4M	40 22.157	-0.0267	12	-42 44 52.78	-0.086	12	0.72		23.435	45	02.1	48.66	45	02.1	K0	CZ	6358	P -42 2834
5	9.1E	9.1M	40 22.382	-0.0025	12	-47 29 6.05	-0.002	12	0.72		22.500	45	02.2	5.93	45	02.2	B	CZ	6364	P -47 2565
6	7.7E	8.3M	40 30.655	-0.0018	12	-48 3 52.47	-0.004	12	0.72		30.741	45	02.2	52.26	45	02.2	B8	CZ	6367	P -47 2572
7	9.3E	9.2M	40 31.558	-0.0028	12	-40 38 56.46	-0.002	12	0.80		31.680	63	06.3	56.38	57	06.3	A5	CZ	6361	P -40 2784
8	9.4E	9.5M	40 32.328	-0.0052	12	-40 23 5.87	0.003	12	0.64		32.581	28	01.3	4.02	26	01.3	A2	CZ	6362	P -40 2785
9	9.5E	10.3M	40 37.134	-0.0040	12	-40 52 45.10	0.002	12	0.80		37.308	63	06.3	45.19	57	06.3	A	CZ	6365	P -40 2788
10	9.2E	9.8M	40 37.927	-0.0014	12	-48 16 19.90	0.001	12	0.71		37.991	45	03.2	19.97	45	03.2	B9	CZ	6372	P -48 1872
11	9.2E	9.7Z	40 37.971	-0.0017	12	-45 32 47.01	-0.000	12	0.73		38.053	45	01.6	46.99	45	01.6		CZ	6370	P -45 2862
12	9.4E	9.2M	40 38.790	-0.0022	12	-49 50 36.32	0.005	12	0.70		38.888	45	04.2	38.53	45	04.2	A3	CZ	6375	P -49 1785
13		5.5T	40 38.946	-0.0029	09	-47 55 7.72	-0.009	06	0.35		39.063	14	09.5	7.27	14	00.0	B3	GC	11988	C*-47 4251
14	8.4E	8.2M	40 39.268	0.0025	12	-47 29 37.51	-0.012	12	0.71		39.152	45	03.2	38.07	45	03.2	K0	CZ	6368	P -47 2891
15		8.0T	40 42.583	0.0020	16	-46 23 57.19	-0.014	15	0.77		42.489	19	01.9	56.51	19	01.0	B9	GC	11989	C -46 4474
16	9.6E	9.8M	40 44.329	-0.0023	12	-43 23 56.92	-0.012	12	0.71		44.438	45	03.2	56.36	45	03.2	A5	CZ	6371	P -43 2893
17	6.7E	7.4M	40 49.976	-0.0020	12	-47 20 24.57	-0.051	12	0.69		50.075	36	00.8	22.07	36	00.8	A2	CZ	6376	P -47 2586
18	9.4E	9.1M	40 54.722	-0.0023	12	-49 35 3.85	-0.001	12	0.70		54.829	45	04.2	3.80	45	04.2	A2	CZ	6380	P -49 1786
19		7.3T	40 57.650	-0.0021	16	-47 58 58.76	0.004	12	0.72		57.748	24	03.4	58.96	22	99.1	B9	GC	11994	C -47 4261
20	9.8E	10.2M	40 57.687	-0.0032	12	-43 7 34.03	-0.010	12	0.65		57.840	31	01.8	33.54	28	01.8	A0	CZ	6382	P -48 1877
21	7.8E	9.1M	40 59.238	-0.0014	12	-47 53 41.15	-0.010	12	0.69		59.307	36	00.8	40.64	36	00.8	B8	CZ	6381	P -47 2593
22	8.2E	8.8M	41 1.568	-0.0016	12	-45 22 27.68	0.002	12	0.65		1.640	36	05.1	27.79	36	05.1	B8	CZ	6378	P -45 2877
23		8.3T	41 4.425	-0.0053	17	-47 3 33.41	-0.021	14	0.79		4.674	22	03.1	32.36	21	99.7	G5	GC	12000	C -46 4482
24	9.8E	9.3M	41 6.229	-0.0047	12	-40 58 40.54	-0.005	12	0.80		6.433	63	06.3	40.32	57	06.3	K5	CZ	6377	P -40 2790
25		6.8T	41 8.074	-0.0091	13	-46 37 40.12	0.070	09	0.62		8.532	22	99.8	44.28	18	90.6	A3	GC	12003	C -46 4483
26	10.9E	11.2M	41 8.236	-0.0033	12	-47 54 19.84	0.016	12	0.69		8.396	36	00.8	20.65	36	00.8	B8	CZ	6389	P -47 2601
27	8.4E	9.8Z	41 9.103	-0.0008	12	-47 54 35.07	-0.008	12	0.69		9.141	36	00.8	34.69	36	00.8	B8	CZ	6390	P -47 2601
28	8.9E	9.2M	41 10.798	-0.0023	12	-48 2 41.28	-0.002	12	0.69		10.909	36	00.8	41.20	36	00.8	B9	CZ	6392	P -47 2602
29	9.8E	9.7M	41 10.834	-0.0023	12	-48 2 49.18	0.000	12	0.69		10.945	36	00.8	49.20	36	00.8	B9	CZ	6393	P -47 2602
30	9.6E	9.7Z	41 11.740	-0.0037	12	-42 51 58.98	0.004	12	0.72		11.917	45	02.1	59.17	45	02.1		CZ	6383	P -42 2849
31	9.0E	8.2M	41 11.947	-0.0040	12	-45 16 59.01	0.015	12	0.65		12.127	36	05.1	59.67	36	05.1	K2	CZ	6388	P -45 2882
32	8.5E	9.0M	41 13.309	-0.0030	12	-43 46 59.33	-0.004	12	0.64		13.455	28	01.0	59.12	26	01.0	A3	CZ	6386	P -43 2897
33	8.0E	9.2M	41 15.689	-0.0027	12	-47 56 50.69	-0.007	12	0.69		15.820	36	00.8	50.37	36	00.8	B8	CZ	6395	P -47 2605
34	8.8E	9.3M	41 19.760	-0.0033	12	-41 40 59.38	-0.001	12	0.64		19.919	28	01.6	59.31	26	01.6	A0	CZ	6391	P -41 2873
35	8.5E	9.4Z	41 20.381	-0.0004	12	-47 56 26.00	0.004	12	0.69		20.399	36	00.8	26.22	36	00.8	B8	CZ	6398	P -47 2607
36	8.4E	8.8M	41 22.537	-0.0038	12	-43 7 58.89	0.008	12	0.65		22.726	28	00.2	59.28	26	00.2	A2	CZ	6394	P -42 2857
37		7.7T	41 23.541	0.0012	18	-46 2 39.55	-0.071	18	0.86		23.489	24	05.1	36.35	24	04.8	K0	GC	12008	C -45 4442
38	8.6E	9.6M	41 24.564	-0.0001	12	-46 50 5.80	-0.007	12	0.70		24.567	36	99.4	5.46	36	99.4	B9	CZ	6400	P -46 2872
39		6.9T	41 24.711	-0.0020	17	-45 22 51.86	-0.015	11	0.73		24.807	18	02.1	51.07	21	96.7	K0	GC	12010	C -45 4441
40	9.5E	8.3M	41 25.600	-0.0022	12	-47 37 38.89	0.005	12	0.65		25.699	36	05.1	39.14	36	05.1	MA	CZ	6399	P -45 2890
41	8.4E	8.5M	41 26.675	0.0000	12	-47 27 41.62	-0.022	12	0.69		26.674	36	00.8	40.51	36	00.8	K0	CZ	6401	P -47 2609
42	8.4E	9.2M	41 27.122	-0.0020	12	-48 0 13.02	-0.017	12	0.69		27.218	36	00.8	12.20	36	00.8	B8	CZ	6403	P -47 2611
43	9.3E	9.4M	41 27.753	-0.0007	12	-46 54 33.56	0.010	12	0.70		27.786	36	99.4	34.05	36	99.4	G5	CZ	6402	P -46 2874
44	8.3E	9.4M	41 28.908	-0.0006	12	-47 30 21.70	-0.012	12	0.69		28.935	36	00.8	21.14	36	00.8	B9	CZ	6404	P -47 2612
45	9.2E	9.4M	41 35.256	0.0006	12	-47 55 6.39	-0.038	12	0.69		35.365	36	00.8	4.54	36	00.8	F5	CZ	6408	P -47 2616
46		7.5T	41 38.563	-0.0049	13	-47 37 31.67	0.002	10	0.64		38.810	19	99.6	31.78	18	96.2	B9	GC	12021	C -47 4282
47	9.9E	9.3M	41 40.920	-0.0026	12	-41 36 15.43	0.003	12	0.67		41.044	36	02.6	15.57	36	02.6	A0	CZ	6405	P -41 2880
48	9.5E	9.9M	41 41.319	-0.0026	12	-41 21 8.68	0.002	12	0.67		41.442	36	02.6	8.79	36	02.6	A0	CZ	6406	P -41 2881
49	8.0E	9.6M	41 41.805	-0.0030	12	-48 9 50.66	-0.003	12	0.69		41.951	36	00.8	50.53	36	00.8	B8	CZ	6412	P -47 2621
50	8.6E	9.1M	41 43.584	-0.0017	12	-46 8 10.56	0.005	12	0.65		43.658	36	05.1	10.76	36	05.1	A0	CZ	6411	P -45 2900
51	9.6E	9.0M	8 41 44.227	-0.0026	12	-48 31 37.76	0.000	12	0.71		44.351	45	03.2	37.77	45	03.2	K2	CZ	6413	P -48 1886
52	9.3E	9.0M	41 50.650	-0.0036	12	-41 26 44.87	0.005	12	0.67		50.821	36	02.6	45.11	36	02.6	A3	CZ	6410	P -41 2886
53	9.4E	9.4M	41 55.360	-0.0011	12	-45 55 11.68	-0.002	12	0.62		55.414	28	03.3	11.61	26	03.3	B5	CZ	6416	P -45 2907
54	9.3E	10.9M	41 57.083	-0.0003	12	-46 45 2.15	-0.010	12	0.70		57.096	36	99.4	1.67	36	99.4	B9	CZ	6419	P -46 2882
55	9.5E	9.1M	41 58.909	-0.0025	12	-44 57 18.19	0.029	12	0.60		59.022	28	04.9	19.49	26	04.9	K2	CZ	6418	P -44 2980
56	8.8I		41 59.784	-0.0038	16	-47 13 17.95	-0.006	11	0.71		59.964	22	03.0	17.64	21	96.9	K2	GC	12028X	C*-46 4498
57	9.0E	9.0Z	41 59.909	-0.0021	12	-45 21 49.39	0.007	12	0.65	+	0.004	36	05.1	49.73	36	05.1		CZ	6420	P -45 2912
58	8.6E	8.9M	42 3.488	-0.0003	12	-40 17 10.47	-0.002	12	0.85		3.502	63	99.2	10.37	57	99.2	A0	CZ	6414	P -40 2802
59	9.2E	9.6M	42 4.280	-0.0009	12	-43 18 12.70	-0.006	12	0.64		4.324	26	00.7	12.40	24	00.7	A2	CZ	6421	P -43 2909
60	9.2E	9.9M	42 5.097	-0.0028	12	-41 3 59.60	0.006	12	0.65		5.235	28	00.6	59.89	26	00.6	B9	CZ	6417	P -40 2807
61		5.2T	42 6.427	0.0025	09	-49 38 28.34	0.000	06	0.32		6.326	10	09.1	28.35	09	05.3	B2	GC	12031	C*-49 3761
62		7.1T	42 7.494	-0.0019	16	-46 37 2.06	0.009	12	0.72		7.585	19	02.5	2.54	21	97.7	B3	GC	12032	C -46 4504
63	9.1E	9.6M	42 12.387	-0.0079	12	-46 19 5.50	0.049	12	0.70		12.785	36	99.4	8.01	36	99.4	G5	CZ	6425	P -46 2894
64	9.0E	9.6Z	42 16.884	-0.0022	12	-45 43 37.59	0.005	12	0.65		16.985	36	05.1	37.79	36	05.1		CZ	6428	P -45 2923
65	9.3E	9.0Z	42 18.692	-0.0031	12	-49 31 40.65	0.020	12	0.70		18.836	45	04.2	41.56	45	04.2		CZ	6432	P -49 1796
66	8.8E	9.1M	42 19.476	0.0009	12	-44 27 5.71	-0.043	12	0.67		19.438	45	08.1	3.90	45	08.1	K0	CZ	6429	P -44 2988
67	9.5E	9.0Z	42 27.535	-0.0043	12	-48 31 50.25	0.011	12	0.71		27.738	45	03.2	50.78	45	03.2		CZ	6436	P -48 1895
68	6.9E	7.8M	42 30.292	-0.0005	12	-46 56 1.67	0.024	12	0.69		30.320	31	98.1	2.92	28	98.1	B5	CZ	6435	P -46 2902
69	9.1E	9.3M	42 31.361	-0.0020	12	-41 44 45.85	-0.005	12	0.74		31.459	45	00.7	45.58	45	00.7	A0	CZ	6431	P -41 2895
70	8.9E	8.6M	42 31.581	-0.0026	12	-41 21 36.67	-0.004	12	0.74		31.709	45	00.7	36.48	45	00.7	F0	CZ	6430	P -41 2894
71		4.1T	42 36.707	-0.0017	08	-42 28 2.22	0.016	06	0.31		36.772	14	10.9	2.96	12	04.2	G5	GC	12050K	C*-42 4569
72	9.6E		42 40.408	-0.0042	12	-48 19 34.97	0.015	12	0.71		40.604	45	03.2	35.69	45	03.2		CZ	6445	P -48 1896
73	9.2E	8.8M	42 42.312	-0.0006	12	-43 33 25.51	-0.010	12	0.73		42.342	45	01.7	25.02	45	01.7	G5	CZ	6439	P -43 2923
74	8.8E	9.5M	42 43.346	-0.0025	12	-42 14 52.90	0.008	12	0.74		43.470	45	00.6	53.27	45	00.6	A0	CZ	6438	P -41 2902
75	9.6E	9.0Z	42 44.047	-0.0024	12	-42 33 13.75	0.012	12	0.74		44.166	45	00.6	14.32	45	00.6		CZ	6440	P -42 2882
76	8.2E	7.9M	42 44.368	-0.0011	12	-41 32 21.49	-0.012	12	0.66		44.424	28	99.2	20.89	26	99.2	A0	CZ	6437	P -41 2901
77	8.5E	8.6M	42 45.394	-0.0031	12	-42 7 22.45	-0.003	12	0.74		45.547	45	00.7	22.28	45	00.7	A0	CZ	6441	P -41 2904
78	8.8E	9.6M	42 45.501	0.0005	12	-46 52 29.18	0.002	12	0.76		45.473	45	98.0	29.26	45	98.0	A0	CZ	6446	P -46 2911
79	8.5E	8.9M	42 48.247	-0.0008	12	-48 12 1.86	-0.008	12	0.71		48.282	45	03.2	1.50	45	03.2	A2	CZ	6448	P -47 2651
80	9.6E	9.5Z	42 50.737	-0.0034	12	-41 46 38.28	0.002	12	0.74		50.904	45	00.7	38.36	45	00.7		CZ	6444	P -41 2907
81	7.3E	7.1M	42 50.748	0.0000	12	-41 5 41.16	-0.005	12	0.85		50.746	63	99.2	40.92	57	99.2	B5	CZ	6442	P -40 2824
82		7.7T	42 53.726	-0.0014	10	-47 48 13.90	-0.021	07	0.40		53.783	15	08.9	12.96	15	05.2	K2	GC	12057	C -47 4311
83		7.4T	42 57.480	-0.0005	16	-42 26 52.51	-0.280	13	0.74		57.503	18	01.5	38.50	18	99.9	G5	GC	12062	C -42 4577
84	9.4E	9.3M	43 2.992	0.0001	12	-41 13 31.04	-0.011	12	0.74		2.987	45	00.7	30.50	45	00.7	F8	CZ	6449	P -40 2830
85	8.7E	8.5M	43 6.051	-0.0087	12	-48 29 14.22	-0.122	12	0.71		6.458	45	03.2	8.53	45	03.2	G5	CZ	6454	P -48 1898
86	9.6E	9.9M	43 6.223	-0.0026	12	-42 7 55.40	0.001	12	0.74		6.352	45	00.7	55.43	45	00.7	A0	CZ	6451	P -41 2913
87		6.7T	43 7.503	-0.0170	14	-44 21 42.66	0.128	12	0.69		8.345	19	00.5	49.47	18	96.9	G0	GC	12065	C -44 4771
88	8.5I		43 12.409	-0.0008	16	-46 9 37.12	-0.003	12	0.75		12.450	22	01.3	36.96	19	95.2	G5	GC	12066X	C*-45 4490
89	8.5E	9.5M	43 12.714	-0.0014	12	-41 20 0.69	0.003	12	0.66		12.785	28	99.4	0.85	26	99.4	B9	CZ	6452	P -41 2917
90	9.6E		43 16.457	-0.0015	12	-46 0 56.99	0.002	12	0.70		16.523	45	05.0	57.10	45	05.0		CZ	6457	P -45 2968
91	9.4E	8.6M	43 17.602	-0.0017	12	-47 7 46.57	0.002	12	0.76		17.689	45	98.0	46.65	45	98.0	K2	CZ	6460	P -46 2928
92	9.5E	9.9Z	43 20.366	-0.0022	12	-44 23 53.66	0.003	12	0.67		20.458	45	08.1	53.77	45	08.1		CZ	6459	P -44 3021
93	8.5E	8.9M	43 20.903	-0.0019	12	-41 14 39.85	0.003	12	0.74		20.997	45	00.7	40.00	45	00.7	B9	CZ	6456	P -40 2836
94	9.6E	9.4M	43 24.377	-0.0013	12	-49 58 0.50	0.001	12	0.65		24.434	36	04.2	0.52	36	04.2	A3	CZ	6464	P -49 1807
95	8.6E	7.4M	43 24.431	-0.0040	12	-41 41 45.89	-0.001	12	0.74		24.628	45	00.7	45.82	45	00.7	K2	CZ	6458	P -41 2921
96	9.0E	8.5M	43 27.168	-0.0017	12	-47 1 2.31	0.020	12	0.76		27.254	45	98.0	3.37	45	98.0	A3	CZ	6462	P -46 2935
97		7.5T	43 28.827	0.0011	15	-45 51 20.36	0.010	16	0.77		28.778	24	03.3	20.84	22	02.6	B3	GC	12076	C -45 4496
98	9.7E	9.2M	43 29.034	-0.0029	12	-48 52 18.22	0.017	12	0.71		29.169	45	03.2	19.01	45	03.2	K0	CZ	6465	P -48 1901
99		8.3T	43 31.572	0.0002	18	-45 43 26.25	-0.011	14	0.81		31.564	24	04.5	25.70	22	00.1	B8	GC	12079	C -45 4498
00	8.0E	8.4H	43 36.391	-0.0025	12	-49 10 23.87	-0.013	12	0.65		36.510	31	01.8	23.24	28	01.8	B9	CZ	6470	P -48 1903

220400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1	9.0E	9.2Z	8 43 37.626	-0.0011	12	-45 46 35.22	0.007	12	0.70	37.677	45	05.0	35.56	45	05.0		CZ	6466	P -45 2986
2		8.1T	43 39.401	-0.0006	20	-45 43 56.85	-0.022	15	0.84	39.430	24	05.1	55.78	22	01.1	A3	GC	12081	C -45 4502
3	8.9E	8.2H	43 40.194	0.0006	12	-49 23 42.11	-0.034	12	0.70	40.166	45	04.2	40.55	45	04.2	K0	CZ	6474	P -49 1812
4	8.9E	9.0H	43 43.037	-0.0002	12	-46 30 12.79	0.000	12	0.69	43.050	31	98.1	12.81	28	98.1	B9	CZ	6472	P -46 2938
5	9.0E	9.0Z	43 46.135	-0.0012	12	-49 35 36.01	0.002	12	0.70	46.192	45	04.2	36.09	45	04.2		CZ	6476	P -49 1814
6	9.4E	9.3H	43 46.271	-0.0027	12	-41 19 0.30	0.000	12	0.74	46.404	45	00.7	0.30	45	00.7	A0	CZ	6467	P -41 2928
7	9.3E	9.0H	43 47.547	-0.0015	12	-44 48 13.23	-0.008	12	0.67	47.611	45	08.1	12.88	45	08.1	K0	CZ	6473	P -44 3031
8	9.4E	9.3H	43 48.101	-0.0011	12	-43 8 44.54	-0.014	12	0.74	48.235	45	00.6	43.84	45	00.6	K0	CZ	6471	P -42 2904
9		7.5T	43 56.717	0.0008	14	-40 25 56.00	-0.006	13	0.71	56.678	18	01.2	55.67	19	98.5	B8	GC	12096	C -40 4593
10	9.2E	9.2Z	43 58.151	-0.0021	12	-45 34 46.23	0.015	12	0.70	58.246	45	05.0	46.88	45	05.0		CZ	6477	P -45 2995
11	7.9E	8.5H	44 2.493	0.0002	12	-47 44 49.55	-0.017	12	0.74	2.482	45	00.1	48.69	45	00.1	A0	CZ	6481	P -47 2878
12	8.6E	7.0H	44 2.603	-0.0003	12	-44 3 32.54	0.005	12	0.65	2.619	28	99.8	32.80	28	99.8	B9	CZ	6478	P -43 2946
13	9.4E	9.0H	44 3.822	-0.0027	12	-46 40 31.06	-0.010	12	0.76	3.961	45	98.0	30.57	45	98.0	K2	CZ	6480	P -46 2951
14	8.1E	7.9H	44 6.846	-0.0086	12	-42 9 15.63	-0.015	12	0.66	6.378	28	99.2	14.84	26	99.2	A2	CZ	6479	P -41 2938
15	9.0	8.1W	44 6.941	-0.0014	13	-40 6 52.21	0.002	13	0.26	6.960	15	36.3	52.24	21	36.3	K0	CB	3867	C -39 4756
16		8.0T	44 10.585	-0.0001	13	-46 6 36.79	-0.015	12	0.69	10.592	22	00.0	37.98	19	95.7	B3	GC	12103	C -45 4512
17	9.6E	10.0H	44 13.127	-0.0032	12	-49 16 51.12	0.012	12	0.70	13.273	45	04.2	51.66	45	04.2	A2	CZ	6494	P -49 1816
18	8.6E	9.6H	44 16.120	-0.0014	12	-47 23 33.21	0.002	12	0.74	16.188	45	00.1	33.29	45	00.1	B9	CZ	6489	P -47 2882
19	9.5E	9.0Z	44 16.423	0.0003	12	-40 34 36.68	-0.005	12	0.85	16.407	63	99.2	36.43	57	99.2		CZ	6483	P -40 2854
20	8.9E	8.6H	44 16.435	-0.0009	12	-49 21 28.95	0.024	12	0.70	16.476	45	04.2	30.04	45	04.2	F0	CZ	6496	P -49 1817
21	7.4E	8.0H	44 18.267	-0.0014	12	-43 34 3.26	-0.005	12	0.73	18.334	45	01.7	3.02	45	01.7	B9	CZ	6486	P -43 2950
22		4.1T	44 19.888	-0.0007	05	-45 51 28.35	-0.002	04	0.24	19.921	09	04.5	28.26	07	00.8	A0	GC	12109	C -45 4517
23	9.2E	9.0H	44 20.463	-0.0008	12	-43 16 41.32	-0.008	12	0.73	20.502	45	01.7	40.93	45	01.7	A2	CZ	6488	P -43 2951
24	8.8E	7.6H	44 22.190	-0.0021	12	-48 30 12.43	-0.036	12	0.65	22.293	31	01.8	10.71	28	01.8	K5	CZ	6499	P -48 1917
25	9.7E	9.0Z	44 23.458	-0.0013	12	-44 57 31.07	-0.007	12	0.67	23.513	45	08.1	30.77	45	08.1		CZ	6495	P -44 3051
26	8.0E	7.9H	44 26.410	-0.0032	12	-41 51 5.26	-0.002	12	0.74	26.568	45	00.7	5.14	45	00.7	B8	CZ	6491	P -41 2942
27	11.9E	10.0H	44 27.302	-0.0029	12	-41 51 19.31	0.002	12	0.74	27.444	45	00.7	19.39	45	00.7	B8	CZ	6492	P -41 2942
28	7.7E	7.8H	44 28.591	-0.0012	12	-40 12 45.83	-0.003	12	0.69	28.652	31	97.7	45.69	28	97.7	B9	CZ	6490	P -39 2852
29		7.4H	44 29.771	-0.0054	12	-47 12 42.26	0.010	12	0.74	30.041	45	00.1	42.74	45	00.1	F2	CZ	6501	P -46 2966
30		8.7T	44 30.014	-0.0067	20	-42 34 29.26	0.003	15	0.85	30.314	24	05.0	29.43	22	01.0	B9	GC	12116	C -42 4605
31	9.6E	9.4H	44 32.937	-0.0007	12	-49 23 46.82	-0.010	12	0.70	32.968	45	04.2	46.35	45	04.2	A0	CZ	6504	P -49 1821
32		6.1T	44 33.747	-0.0022	14	-40 56 29.19	-0.004	11	0.68	33.853	22	01.7	28.96	21	96.1	A0	GC	12118	C -40 4602
33	9.9E	9.7Z	44 37.268	-0.0013	12	-46 25 0.96	0.007	12	0.76	37.334	45	98.0	1.29	45	98.0		CZ	6502	P -46 2968
34	9.1E	9.0Z	44 37.385	-0.0009	12	-40 13 0.75	-0.039	12	0.76	37.430	63	99.2	58.77	57	99.2		CZ	6500	P -39 2854
35	9.4E	8.5Z	44 40.208	-0.0012	12	-47 17 6.88	-0.005	12	0.74	40.266	45	00.1	6.61	45	00.1		CZ	6507	P -47 2990
36		6.8T	44 40.341	-0.0011	16	-47 21 57.79	-0.006	11	0.72	40.395	19	01.4	57.48	18	97.5	B8	GC	12120	C -47 4337
37	9.3E	9.5Z	44 41.955	-0.0016	12	-44 43 5.79	0.007	12	0.67	42.030	45	08.1	6.07	45	08.1		CZ	6505	P -44 3057
38	8.9E	8.5H	44 44.201	-0.0032	12	-47 43 32.58	0.046	12	0.74	44.359	45	00.1	34.89	45	00.1	K0	CZ	6510	P -47 2993
39		7.1T	44 45.197	-0.0088	11	-42 22 55.65	-0.003	09	0.59	45.347	21	96.1	55.48	18	89.5	B9	GC	12123K	C -42 4610
40	9.3E	9.6H	44 45.639	-0.0009	12	-46 29 7.69	-0.002	12	0.76	45.684	45	98.0	7.56	45	98.0	A0	CZ	6509	P -46 2975
41		8.6T	44 46.726	-0.0067	20	-42 36 21.94	0.045	18	0.90	47.025	24	05.0	24.06	22	03.3	B9	GC	12124	C -42 4611
42		5.5T	44 48.417	-0.0000	07	-45 43 42.48	-0.013	06	0.30	48.418	12	08.4	41.89	12	04.7	B5P	GC	12125	C -45 4526
43	7.9E	9.0H	44 52.583	-0.0025	12	-43 47 4.00	0.003	12	0.73	52.706	45	01.7	4.14	45	01.7	A2	CZ	6512	P -43 2960
44	9.5E	9.1H	44 59.535	-0.0020	12	-43 39 39.95	0.001	12	0.73	59.632	45	01.7	40.00	45	01.7	K0	CZ	6513	P -43 2962
45	9.0E	9.1H	44 59.814	-0.0013	12	-48 9 19.54	-0.032	12	0.74	59.877	45	00.1	17.96	45	00.1	G0	CZ	6514	P -47 2897
46	8.1E	8.5H	45 5.520	-0.0030	12	-48 34 55.18	0.002	12	0.71	5.662	45	03.2	55.29	45	03.2	A0	CZ	6516	P -48 1923
47	9.4E	9.5Z	45 9.379	-0.0019	12	-46 16 0.23	0.000	12	0.76	9.476	45	98.0	0.25	45	98.0		CZ	6515	P -45 3039
48	7.8E	8.2H	45 16.072	-0.0022	12	-43 53 24.53	-0.004	12	0.73	16.180	45	01.7	24.33	45	01.7	B5	CZ	6518	P -43 2972
49	9.2E	9.3Z	45 17.643	-0.0028	12	-42 0 17.03	-0.001	12	0.74	17.782	45	00.7	16.96	45	00.7		CZ	6517	P -41 2956
50		9.0T	45 20.608	-0.0053	22	-42 31 5.92	0.012	18	0.96	20.841	24	05.7	6.50	22	03.3	K2	GC	12134	C -42 4617
51	8.8E	9.6H	8 45 20.634	-0.0002	12	-47 38 43.91	0.007	12	0.74	20.647	45	00.1	44.24	45	00.1	A0	CZ	6527	P -47 2706
52		6.8T	45 21.723	-0.0002	13	-44 53 25.51	-0.019	12	0.88	21.734	19	99.5	24.52	18	96.9	B5	GC	12135	C -44 4818
53	9.0E	10.0H	45 21.912	-0.0011	12	-46 57 10.58	-0.014	12	0.76	21.967	45	98.0	9.88	45	98.0	F0	CZ	6528	P -46 2996
54	9.2E	9.2H	45 22.765	-0.0019	12	-49 58 21.73	0.007	12	0.70	22.850	45	04.2	22.03	45	04.2	B9	CZ	6532	P -49 1831
55	9.4E	9.3H	45 23.720	-0.0026	12	-41 42 4.41	0.002	12	0.74	23.848	45	00.7	4.48	45	00.7	A0	CZ	6520	P -41 2959
56	9.7E	9.7Z	45 24.194	-0.0035	12	-42 21 30.16	-0.004	12	0.74	24.367	45	00.6	29.94	45	00.6		CZ	6521	P -42 2935
57	8.9E	9.3H	45 24.310	-0.0031	12	-41 14 58.34	0.007	12	0.74	24.463	45	00.7	58.69	45	00.7	A0	CZ	6519	P -40 2868
58	9.0E	9.0Z	45 24.935	-0.0029	12	-48 16 52.16	0.012	12	0.71	25.070	45	03.2	52.74	45	03.2		CZ	6530	P -48 1929
59	9.1E	8.8Z	45 26.660	-0.0026	12	-41 57 59.13	0.001	12	0.74	26.788	45	00.7	59.16	45	00.7		CZ	6524	P -41 2961
60	7.7E	8.0H	45 28.754	-0.0008	12	-41 0 47.79	0.008	12	0.85	28.794	63	99.2	48.21	57	99.2	A0	CZ	6522	P -40 2869
61	8.9E	9.3H	45 28.798	-0.0036	12	-42 12 2.70	0.004	12	0.74	28.977	45	00.6	2.88	45	00.6	A0	CZ	6525	P -41 2962
62	7.6E	8.8H	45 29.552	-0.0026	12	-42 25 1.10	0.001	12	0.74	29.679	45	00.6	1.13	45	00.6	A0	CZ	6526D	P -42 2938
63	9.4E	9.0Z	45 34.081	-0.0005	12	-47 43 16.25	-0.009	12	0.74	34.104	45	00.1	15.82	45	00.1		CZ	6538	P -47 2714
64		5.8T	45 36.984	-0.0003	07	-45 58 14.32	-0.009	06	0.28	36.997	12	11.8	13.95	12	08.2	F0P	GC	12142	C -45 4541
65	8.9E	9.0Z	45 37.165	-0.0030	12	-42 17 25.76	-0.008	12	0.74	37.314	45	00.6	25.35	45	00.6		CZ	6533	P -42 2941
66		7.3T	45 37.910	-0.0031	11	-42 16 4.06	0.005	10	0.60	38.069	21	98.1	4.35	19	94.0	B9	GC	12143	C -41 4502
67	9.4E	10.0Z	45 38.304	-0.0022	12	-47 55 52.60	-0.007	12	0.74	38.412	45	00.1	52.26	45	00.1		CZ	6541	P -47 2721
68	8.6E	8.0H	45 38.312	-0.0059	12	-40 38 57.44	0.016	12	0.85	38.611	63	99.2	58.25	57	99.2	F8	CZ	6531	P -40 2871
69	8.6E	9.1H	45 38.558	-0.0020	12	-43 52 53.83	-0.003	12	0.73	38.654	45	01.7	53.66	45	01.7	B3	CZ	6536	P -43 2981
70	9.1E	9.4H	45 39.013	-0.0009	12	-47 40 1.12	-0.003	12	0.74	39.060	45	00.1	0.95	45	00.1	B9	CZ	6542	P -47 2720
71		8.3T	45 39.960	-0.0054	22	-42 35 0.25	0.032	18	0.96	40.197	24	05.7	1.76	22	03.3	K0	GC	12144	C -42 4624
72	9.3E	9.4Z	45 41.326	-0.0015	12	-45 20 22.65	0.010	12	0.64	41.397	31	02.7	23.14	28	02.7		CZ	6540	P -45 3051
73	9.0	7.6H	45 42.240	-0.0030	13	-40 2 42.62	0.016	13	0.26	42.280	15	36.3	42.84	21	96.3	K5	CB	3885	C -39 4787
74	9.0E	8.8H	45 44.572	-0.0040	12	-45 51 51.07	0.030	12	0.70	44.755	45	05.0	52.44	45	05.0	F2	CZ	6545	P -45 3054
75	9.4E	10.5H	45 44.864	-0.0011	12	-49 5 38.05	-0.014	12	0.67	44.915	36	02.8	37.38	36	02.8	A5	CZ	6549	P -48 1931
76	8.0E	8.3H	45 45.499	-0.0035	12	-42 18 1.32	-0.008	12	0.74	45.672	45	00.6	0.90	45	00.6	A0	CZ	6539	P -42 2947
77		7.6T	45 46.561	-0.0017	16	-46 15 58.59	-0.010	17	0.81	46.643	22	02.6	58.12	22	02.0	B2	GC	12146	C -45 4547
78	8.9E	10.2H	45 48.739	-0.0010	12	-46 29 20.68	0.005	12	0.76	48.789	45	98.0	20.92	45	98.0	A0	CZ	6548	P -46 3012
79	9.3E	10.5H	45 49.701	-0.0032	12	-42 22 21.26	-0.004	12	0.74	49.859	45	00.6	21.04	45	00.6	F2	CZ	6544	P -42 2948
80	9.9E	11.5H	45 49.944	-0.0027	12	-49 34 22.26	0.003	12	0.70	50.069	45	04.2	22.39	45	04.2	A2	CZ	6552	P -49 1838
81		6.5T	45 51.140	-0.0005	14	-41 32 54.96	-0.244	13	0.59	51.160	14	08.4	44.62	14	07.6	G0	GC	12153	C -41 4507
82	9.1E	9.2H	45 54.911	-0.0015	12	-49 58 59.11	-0.004	12	0.64	54.980	31	02.5	58.90	28	02.5	B9	CZ	6559	P -49 1839
83	8.9E	9.2H	45 56.704	-0.0017	12	-47 1 18.46	0.012	12	0.65	56.787	28	99.8	19.08	26	99.8	B9	CZ	6554	P -46 3017
84	7.1E	7.3H	45 59.355	-0.0025	12	-42 5 15.66	-0.000	12	0.66	59.480	28	99.2	15.65	26	99.2	B9	CZ	6550	P -41 2975
85	8.4E	8.9H	46 1.490	-0.0017	12	-49 21 47.32	-0.024	12	0.70	1.567	45	04.2	46.21	45	04.2	A2	CZ	6561	P -49 1842
86	9.0E	8.7H	46 2.572	-0.0043	12	-44 2 50.43	0.014	12	0.73	2.779	45	01.7	51.09	45	01.7	A3	CZ	6555	P -43 2989
87		8.0T	46 4.500	-0.0010	30	-42 21 48.47	-0.005	20	1.12	4.541	28	07.5	48.25	24	04.7	A0	GC	12158	C -42 4636
88	9.4E	9.5Z	46 4.979	-0.0020	12	-44 22 47.07	0.011	12	0.67	5.082	45	08.1	48.32	45	08.1		CZ	6557	P -44 3089
89		7.1T	46 7.350	-0.0014	14	-43 10 8.69	0.035	11	0.68	7.417	21	00.8	10.61	19	95.7	K0	GC	12160	C -42 4638
90	9.0E	9.2H	46 7.732	-0.0028	12	-42 24 15.44	-0.006	12	0.74	7.871	45	00.6	15.12	45	00.6	B9	CZ	6556	P -42 2957
91	9.9E	9.0Z	46 12.372	-0.0010	12	-44 25 31.42	-0.006	12	0.61	12.417	28	03.9	31.13	26	03.9		CZ	6562	P -44 3091
92	8.7E	9.3Z	46 12.910	-0.0031	12	-42 22 52.48	-0.005	12	0.74	13.063	45	00.6	52.21	45	00.6		CZ	6560	P -42 2960
93	9.5E	9.6Z	46 16.525	-0.0011	12	-47 30 37.97	-0.002	12	0.69	16.582	36	00.8	37.89	36	00.8		CZ	6566	P -47 2727
94	9.1E	9.3H	46 16.719	-0.0016	12	-42 6 6.66	-0.013	12	0.74	16.798	45	00.7	6.00	45	00.7	A0	CZ	6563	P -41 2985
95		8.2T	46 20.556	-0.0009	09	-42 16 41.24	-0.011	08	0.53	20.604	19	95.3	40.59	18	90.5	B8	GC	12164	C -41 4516
96	8.9E	9.4H	46 23.928	-0.0020	12	-43 44 59.96	0.002	12	0.64	24.024	26	00.4	0.04	24	00.4	A0	CZ	6567	P -43 2999
97	9.1E	9.3H	46 25.478	-0.0025	12	-41 41 29.13	-0.003	12	0.74	25.599	45	00.7	28.96	45	00.7	A0	CZ	6565	P -41 2989
98		6.8T	46 25.501	-0.0034	17	-49 23 18.56	-0.087	16	0.81	25.661	19	02.4	14.38	19	01.8	F2	GC	12165	C -49 3824
99	9.9E	9.9Z	46 25.831	-0.0014	12	-42 43 25.29	-0.006	12	0.65	25.902	26	99.7	24.98	24	99.7		CZ	6568	P -42 2967
00	8.8E	9.1H	46 37.537	-0.0003	12	-49 34 14.19	-0.000	12	0.70	37.553	45	04.2	14.18	45	04.2	A2	CZ	6576	P -49 1850

220500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 8H DM NUMBER
1	9.7E	9.9H	8 46 39.536	-0.0028	12	-41 50 10.45	-0.002	12	0.69	39.673	36	00.8	10.34	36	00.8	A0	CZ	6571	P -41 2994
2	9.1E	9.4H	46 40.082	-0.0014	12	-46 43 29.31	-0.007	12	0.65	40.150	28	99.8	28.94	26	99.8	F0	CZ	6574	P -46 3039
3	9.6E	8.4H	46 42.097	-0.0048	12	-49 21 32.04	0.037	12	0.70	42.317	45	04.2	33.73	45	04.2	K0	CZ	6578	P -49 1851
4		7.4T	46 42.263	-0.0034	14	-42 12 52.63	0.006	10	0.66	42.452	18	00.0	52.96	17	95.5	B9	GC	12169	C -41 4523
5	8.2E	8.9H	46 49.926	0.0013	12	-47 21 4.85	-0.029	12	0.69	49.861	36	00.8	5.40	36	00.8	F0	CZ	6579	P -47 2742
6	9.1E	10.0H	46 52.754	-0.0029	12	-42 18 51.05	0.005	12	0.69	52.897	36	00.8	51.28	36	00.8	B9	CZ	6577	P -42 2979
7	8.3E	8.2H	46 57.051	-0.0013	12	-47 35 33.73	0.002	12	0.69	57.117	36	00.8	33.80	36	00.8	F0	CZ	6581	P -47 2748
8	8.7E	9.0H	46 58.395	-0.0009	12	-49 37 15.27	-0.003	12	0.70	58.438	45	04.2	15.12	45	04.2	A2	CZ	6582	P -49 1856
9	7.6	6.0W	47 0.111	-0.0028	10	-40 6 20.61	-0.071	10	0.23	0.150	15	36.3	19.65	21	36.3	B8	CZ	6583	C -39 4824
10	8.6E	7.8H	47 0.712	-0.0035	12	-49 2 32.89	-0.001	12	0.63	0.879	28	01.9	32.83	26	01.9	K0	CZ	6583	P -48 1941
11	11.1E	9.5H	47 1.393	-0.0029	12	-49 21 22.56	-0.017	12	0.70	1.525	45	04.2	21.78	45	04.2	K0	CZ	6584	P -49 1860
12	9.4E	9.3H	47 2.403	-0.0019	12	-41 55 14.65	-0.003	12	0.69	2.496	36	00.8	14.48	36	00.8	F2	CZ	6580	P -41 3008
13	8.1E	8.0H	47 5.575	-0.0006	12	-47 34 38.33	-0.007	12	0.69	5.607	36	00.8	37.97	36	00.8	B5	CZ	6586	P -47 2750
14	8.7E	8.8H	47 5.764	-0.0021	12	-49 32 7.67	-0.016	12	0.70	5.862	45	04.2	6.92	45	04.2	A0	CZ	6589	P -49 1863
15	8.8E	8.8H	47 9.460	-0.0009	12	-49 31 19.42	-0.013	12	0.70	9.504	45	04.2	18.82	45	04.2	A0	CZ	6592	P -49 1865
16	9.1E	9.4Z	47 10.202	-0.0004	12	-47 6 26.97	0.005	12	0.69	10.220	36	00.4	27.20	36	00.4		CZ	6588	P -46 3054
17	6.9E	7.5H	47 16.903	-0.0029	12	-43 34 28.44	0.023	12	0.74	17.045	45	00.2	29.60	45	00.2	B5	CZ	6590	P -43 3015
18	8.6E	8.8H	47 24.463	-0.0059	12	-45 27 3.46	0.044	12	0.66	24.707	45	08.6	5.26	45	08.6	F0	CZ	6595	P -45 3096
19	9.0E	9.3H	47 25.599	-0.0014	12	-42 8 45.18	-0.008	12	0.74	25.669	45	00.1	44.76	45	00.1	F0	CZ	6593	P -41 3019
20	9.1E	8.5H	47 27.417	-0.0017	12	-43 43 29.61	-0.004	12	0.74	27.501	45	00.2	29.40	45	00.2	K2	CZ	6594	P -43 3017
21	9.3E	10.0H	47 28.502	-0.0001	12	-47 29 19.13	-0.002	12	0.69	28.506	36	00.8	19.01	36	00.8	A0	CZ	6598	P -47 2759
22	9.6E	9.2Z	47 51.560	-0.0064	12	-46 0 25.77	0.049	12	0.66	51.823	45	08.6	27.78	45	08.6		CZ	6599	P -45 3100
23		7.5T	47 34.219	-0.0011	09	-43 11 1.99	0.012	07	0.38	34.265	15	06.6	2.57	14	03.6	B8	GC	12189	C -42 4676
24	8.5E	9.1H	47 34.828	-0.0043	12	-46 21 56.89	0.044	12	0.73	35.034	45	01.6	58.99	45	01.6	F0	CZ	6602	P -46 3071
25	8.3E	9.2H	47 37.919	-0.0034	12	-42 49 8.12	-0.000	12	0.67	38.093	28	98.8	8.12	26	98.8	A2	CZ	6600	P -42 3002
26	9.7E	9.5Z	47 38.200	-0.0011	12	-40 27 14.93	-0.011	12	0.85	38.255	63	99.2	14.37	57	99.2		CZ	6596	P -40 2893
27	10.7E	9.9Z	47 39.240	-0.0023	12	-45 57 17.38	0.002	12	0.66	39.333	45	08.6	17.48	45	08.6		CZ	66030	P -45 3105
28	10.6E	10.0Z	47 39.255	-0.0028	12	-45 57 24.70	0.017	12	0.66	39.370	45	08.6	25.39	45	08.6		CZ	66040	P -45 3105
29	8.5E	9.3H	47 41.697	-0.0009	12	-41 22 38.51	-0.016	12	0.67	41.744	28	98.9	37.69	26	98.9	B5	CZ	6601	P -41 3021
30	7.8E	8.6H	47 44.916	0.0004	12	-47 18 6.41	0.006	12	0.67	44.896	31	99.4	6.69	28	99.4	B3	CZ	6610	P -47 2765
31		5.4T	47 47.351	-0.0013	07	-40 7 59.83	-0.017	06	0.31	47.404	12	09.4	59.06	12	05.4	A2	GC	12193	C -39 4838
32	8.4E	9.3H	47 50.649	-0.0022	12	-41 33 57.04	0.003	12	0.74	50.759	45	00.1	57.19	45	00.1	A0	CZ	6605	P -41 3024
33	9.3E	9.8H	47 50.971	-0.0007	12	-47 59 16.62	-0.001	12	0.67	51.004	31	99.4	16.59	28	99.4	F0	CZ	6614	P -47 2770
34	11.5E	10.2H	47 51.253	-0.0046	12	-42 37 54.55	-0.001	12	0.74	51.483	45	00.1	54.48	45	00.1	B8	CZ	6608	P -42 3010
35	9.1E	8.4H	47 51.494	-0.0020	12	-48 9 19.42	0.008	12	0.74	51.592	45	00.1	19.83	45	00.1	K2	CZ	6616	P -47 2771
36	9.2E	9.9H	47 52.100	-0.0018	12	-41 40 17.12	0.001	12	0.74	52.189	45	00.1	17.17	45	00.1	A5	CZ	6607	P -41 3025
37		7.6T	47 52.299	-0.0017	12	-42 38 11.92	-0.002	10	0.63	52.382	22	99.7	11.78	19	94.3	B8	GC	12198	C -42 4684
38	7.7E	8.6H	47 57.715	-0.0008	12	-41 33 22.66	-0.006	12	0.74	57.754	45	00.1	22.37	45	00.1	B8	CZ	6612	P -41 3027
39	8.5E	8.3H	48 2.824	0.0014	12	-40 11 36.18	-0.053	12	0.85	2.752	63	99.2	33.49	57	99.2	F0	CZ	6613	P -39 2917
40		5.0T	48 3.857	0.0003	07	-45 7 15.27	0.014	05	0.28	3.845	10	10.0	15.90	10	05.4	A2	GC	12204	C*-44 4861
41	9.2E	9.6H	48 5.358	0.0002	12	-44 41 38.02	-0.010	12	0.68	5.348	45	06.6	37.58	45	06.6	F0	CZ	6618	P -44 3125
42	9.4E	10.2H	48 15.532	0.0000	12	-47 26 48.64	0.002	12	0.74	15.530	45	00.1	48.76	45	00.1	B8	CZ	6624	P -47 2787
43		7.8T	48 16.390	0.0022	16	-41 55 9.89	-0.018	16	0.85	16.282	19	01.5	9.02	18	01.2	B3	GC	12213	C -41 4554
44	8.2E	8.5H	48 16.850	-0.0016	12	-42 22 23.22	-0.015	12	0.74	16.931	45	00.1	22.45	45	00.1	K0	CZ	6621	P -42 3021
45	8.8E	8.5H	48 21.196	-0.0002	12	-47 19 58.49	0.013	12	0.74	21.205	45	00.1	59.16	45	00.1	F0	CZ	6626	P -47 2790
46	9.5E	8.5Z	48 21.718	-0.0005	12	-40 24 56.92	-0.021	12	0.67	21.743	28	98.2	55.83	26	98.2		CZ	6622	P -40 2905
47	9.6E	9.0H	48 25.734	-0.0028	12	-40 51 39.07	-0.006	12	0.85	25.876	63	99.2	38.77	57	99.2	A5	CZ	6623	P -40 2906
48	9.4E	9.0Z	48 27.498	-0.0051	12	-42 0 37.90	0.029	12	0.74	27.752	45	00.1	39.32	45	00.1		CZ	6625	P -41 3036
49	12.2E	10.2H	48 29.878	-0.0031	12	-45 20 4.90	0.002	12	0.66	30.006	45	08.6	5.00	45	08.6		CZ	6631	P -45 3131
50	8.6E	8.9H	48 30.897	-0.0012	12	-41 42 0.16	-0.005	12	0.74	30.956	45	00.1	59.88	45	00.1	B8	CZ	6627	P -41 3037
51	9.0E	9.0Z	8 48 31.235	-0.0018	12	-45 20 7.16	-0.005	12	0.66	31.309	45	08.6	6.97	45	08.6		CZ	6632	P -45 3131
52		6.1T	48 31.719	-0.0016	12	-41 54 8.36	-0.009	12	0.67	31.799	22	99.1	7.89	21	96.7	B2	GC	12218	C -41 4560
53	8.8E	8.9H	48 32.344	-0.0017	12	-41 31 57.70	-0.001	12	0.74	32.429	45	00.1	57.65	45	00.1	B8	CZ	6630	P -41 3041
54	9.6E	8.5Z	48 33.569	-0.0018	12	-40 21 33.14	-0.019	12	0.85	33.660	63	99.2	32.18	57	99.2		CZ	6628	P -40 2909
55		7.5T	48 34.094	-0.0008	16	-44 32 1.16	0.022	11	0.71	34.133	18	02.5	2.34	21	97.4	G5	GC	12220K	C*-44 4875
56	7.6E	7.3H	48 35.069	-0.0017	12	-49 44 13.75	0.023	12	0.70	35.145	45	04.2	14.79	45	04.2	F0	CZ	6636	P -49 1903
57	9.1E	8.9H	48 42.955	-0.0007	12	-48 23 30.05	0.051	12	0.65	42.987	31	01.8	32.53	28	01.8	F8	CZ	66390	P*-48 1966
58		7.5T	48 43.235	-0.0037	13	-43 7 29.02	0.013	11	0.65	43.418	18	99.9	29.74	17	96.4	K5	GC	12224	C -42 4701
59	8.5E	9.8H	48 43.712	-0.0029	12	-46 3 37.84	0.003	12	0.66	43.830	45	08.6	37.98	45	08.6	A0	CZ	6637	P -45 3140
60	8.6E	9.6H	48 46.447	0.0010	12	-47 36 19.37	-0.002	12	0.74	46.400	45	00.1	19.24	45	00.1	B8	CZ	6640	P -47 2801
61		4.9T	48 51.592	-0.0006	08	-46 20 28.98	-0.003	05	0.31	51.618	14	09.8	28.84	12	02.8	B0	GC	12227K	C*-46 4661
62	8.9E	10.2H	48 55.305	-0.0021	12	-42 59 3.17	-0.007	12	0.74	55.410	45	00.1	2.82	45	00.1	A2	CZ	6641	P -42 3040
63	8.6E	9.6H	48 58.292	-0.0010	12	-42 28 6.07	-0.011	12	0.74	58.342	45	00.1	5.50	45	00.1	A3	CZ	6643	P -42 3042
64	9.1E	8.9H	49 5.324	-0.0100	12	-40 51 4.33	0.051	12	0.85	5.832	63	99.2	6.93	57	99.2	F5	CZ	6644	P -40 2916
65	9.2E	9.1H	49 6.450	-0.0024	12	-46 7 18.41	0.002	12	0.66	6.547	45	08.6	18.52	45	08.6	A2	CZ	6648	P -45 3161
66	8.1E	7.4H	49 6.466	-0.0015	12	-43 33 48.70	-0.005	12	0.74	6.542	45	00.2	48.44	45	00.2	B0	CZ	6645	P -43 3044
67	9.3E	9.4H	49 6.520	-0.0028	12	-45 55 12.37	0.003	12	0.66	6.638	45	08.6	12.51	45	08.6	F0	CZ	6647	P -45 3158
68	10.0E	9.8Z	49 8.621	-0.0012	12	-48 57 45.46	-0.000	12	0.71	8.676	45	03.2	45.45	45	03.2		CZ	6653	P -48 1979
69	8.7E	9.3H	49 10.395	-0.0025	12	-41 45 33.04	-0.004	12	0.74	10.519	45	00.1	32.82	45	00.1	B9	CZ	6646	P -41 3061
70	9.4E	9.8H	49 12.481	-0.0024	12	-44 13 51.26	0.006	12	0.68	12.585	45	06.6	51.50	45	06.6	B9	CZ	6650	P -43 3046
71	8.4E	8.5H	49 12.769	-0.0017	12	-49 37 44.98	0.003	12	0.64	12.851	31	02.5	45.12	28	02.5	A3	CZ	6655	P -49 1912
72	8.6E	8.3H	49 15.016	-0.0003	12	-47 41 36.95	-0.001	12	0.74	15.030	45	00.1	36.93	45	00.1	F0	CZ	6654	P -47 2815
73	9.5E	9.8Z	49 18.724	-0.0026	12	-43 14 54.70	0.004	12	0.74	18.853	45	00.2	54.89	45	00.2		CZ	6652	P -42 3048
74	9.3E	9.8H	49 18.850	-0.0002	12	-47 40 39.53	-0.007	12	0.67	18.858	31	99.4	39.20	28	99.4	A0	CZ	6656	P -47 2817
75	8.8E	8.6H	49 20.975	-0.0011	12	-41 28 23.57	-0.008	12	0.74	21.030	45	00.1	23.17	45	00.1	B5	CZ	6651	P -41 3067
76	10.0E	9.8H	49 27.287	-0.0023	12	-49 26 14.04	-0.012	12	0.70	27.391	45	04.2	13.48	45	04.2	A2	CZ	6662	P -49 1919
77	8.9E	9.6H	49 29.008	-0.0016	12	-44 13 20.04	0.019	12	0.63	29.082	31	03.8	20.90	28	03.8	B9	CZ	6657	P -43 3056
78	9.2E	9.8Z	49 32.926	-0.0017	12	-45 29 16.30	0.007	12	0.66	32.996	45	08.6	16.61	45	08.6		CZ	6660	P -45 3174
79	11.4E	10.0H	49 36.935	-0.0024	12	-41 40 13.09	-0.017	12	0.74	37.054	45	00.1	12.25	45	00.1	B5	CZ	6658	P -41 3079
80	9.4E	9.0Z	49 38.175	-0.0011	12	-41 40 8.41	-0.014	12	0.74	38.230	45	00.1	7.71	45	00.1	B5	CZ	6659	P -41 3079
81		6.3T	49 39.130	-0.0026	12	-42 18 57.93	0.025	12	0.66	39.260	17	99.7	59.25	17	97.4	A2	GC	12245	C -42 4723
82	7.9E	7.8H	49 42.413	-0.0011	12	-45 26 4.03	0.016	12	0.61	42.460	31	05.1	4.73	28	05.1	A0	CZ	6663	P -45 3180
83		8.0T	49 48.436	-0.0013	17	-43 12 27.31	0.015	13	0.77	48.495	22	03.3	28.09	21	99.5	M0	GC	12250	C -42 4728
84	9.1E	8.2H	49 48.931	0.0001	12	-46 21 8.97	0.005	12	0.73	48.925	45	01.6	9.23	45	01.6	MA	CZ	6665	P -46 3148
85	7.9E	8.4H	49 50.922	0.0001	12	-46 25 16.06	0.002	12	0.73	50.918	45	01.6	16.15	45	01.6	B8	CZ	6668	P -46 3149
86	8.4E	9.2H	49 53.315	-0.0016	12	-43 51 30.27	0.003	12	0.74	53.394	45	00.2	30.40	45	00.2	A0	CZ	6666	P -43 3066
87	8.7E	10.0H	49 53.363	0.0007	12	-47 22 58.11	0.007	12	0.74	53.327	45	00.1	58.44	45	00.1	B3	CZ	6669	P -47 2830
88	9.3E	9.8H	49 55.585	-0.0018	12	-43 33 22.20	-0.002	12	0.74	55.676	45	00.2	22.09	45	00.2	A0	CZ	6667	P -43 3067
89	7.9E	7.3H	49 56.029	-0.0004	12	-49 22 8.46	-0.003	12	0.71	56.048	45	03.2	8.33	45	03.2	F8	CZ	6674	P -49 1929
90	9.1E	9.4H	49 57.779	-0.0026	12	-48 33 51.61	0.003	12	0.72	57.905	45	02.2	51.77	45	02.2	B8	CZ	6675	P -48 1990
91		8.7T	50 3.790	-0.0022	12	-43 57 44.67	-0.016	12	0.65	3.902	15	99.3	43.87	17	99.4	B3	GC	12256	C -43 4711
92		6.6T	50 4.409	-0.0001	07	-40 47 51.92	-0.006	06	0.29	4.413	09	08.4	51.64	09	06.5	B9	GC	12257	C -40 4685
93	9.8E	11.5H	50 9.551	-0.0023	12	-47 3 0.98	0.017	12	0.66	9.663	31	00.4	1.80	28	00.4	F5	CZ	6676	P -46 3154
94	9.2E	9.2H	50 10.527	-0.0012	12	-40 52 35.99	-0.023	12	0.85	10.587	63	99.2	34.82	57	99.2	A0	CZ	6673	P -40 2931
95	9.4E	9.4H	50 12.081	-0.0064	12	-48 35 14.15	-0.153	12	0.72	12.388	45	02.2	6.85	45	02.2	F5	CZ	6678	P -48 1994
96	9.4E	9.1H	50 17.588	-0.0013	12	-43 49 14.22	-0.000	12	0.74	17.652	45	00.2	14.21	45	00.2	B	CZ	6677	P -43 3078
97	7.6E	8.2H	50 19.898	-0.0008	12	-46 5 59.16	0.014	12	0.61	19.934	31	05.1	59.78	28	05.1	B8	CZ	6679	P -45 3193
98	9.6E	10.2H	50 22.032	-0.0018	12	-48 36 28.64	-0.010	12	0.72	22.120	45	02.2	28.18	45	02.2	A0	CZ	6680	P -48 1998
99	8.9E	9.4H	50 34.012	-0.0018	12	-43 58 24.97	0.009	12	0.74	34.101	45	00.2	25.40	45	00.2	A0	CZ	6681	P -43 3082
00		9.0T	50 39.697	-0.0033	14	-42 33 43.60	0.005	10	0.66	39.853	22	02.2	43.84	22	96.2	A5	GC	12265	C -42 4741

220600 — -40° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ″.001	EPOCH 1950 σ ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.0E	9.7Z	8 50 41.735	-0.0026	12	-41 57 9.73	-0.007	12	0.66	41.867	28	99.1	9.35	26	99.1		CZ	6683	P -41 3097
2	9.8E	9.4M	50 47.255	-0.0084	12	-49 25 36.23	0.010	12	0.71	47.367	45	03.2	36.68	45	03.2	FD	CZ	6692	P -49 1943
3		7.6T	50 50.023	-0.0034	20	-40 47 36.20	0.021	16	0.87	50.181	19	03.4	37.20	22	01.5	KD	GC	12273	C -40 4693
4	8.4E	8.9M	50 50.669	-0.0035	12	-48 18 8.79	0.002	12	0.71	50.832	45	03.2	8.90	45	03.2	B9	CZ	6693	P -48 2003
5	10.1E	9.0Z	50 53.615	-0.0013	12	-49 24 16.80	-0.008	12	0.71	53.675	45	03.2	16.42	45	03.2		CZ	6695	P -49 1946
6	9.5E	10.2M	50 55.896	-0.0013	12	-46 49 36.00	0.003	12	0.68	55.956	36	01.7	36.17	36	01.7	AO	CZ	6694	P -46 3171
7		8.0T	50 56.983	0.0006	16	-41 14 26.21	0.004	16	0.81	56.953	19	01.2	26.39	18	00.0	K5	GC	12276	C -40 4695
8	9.1E	10.0M	50 57.586	-0.0030	12	-42 17 30.49	-0.005	12	0.74	57.736	45	00.1	30.22	45	00.1	AO	CZ	6698	P -42 3078
9		6.1T	50 59.782	-0.0014	12	-48 10 9.83	-0.007	08	0.59	59.853	22	99.5	9.40	18	88.9	B3	GC	12279	C*-47 4460
10	9.4E	9.1M	51 5.316	-0.0007	12	-47 8 35.01	-0.005	12	0.68	5.368	36	01.7	34.79	36	01.7	G0	CZ	6699	P -46 3175
11		8.4T	51 5.932	-0.0034	22	-44 5 49.29	0.005	17	0.93	6.083	24	05.7	49.54	22	03.1	AO	GC	12285	C -43 4727
12		6.8T	51 6.936	-0.0011	12	-47 12 15.02	-0.007	10	0.64	6.994	22	99.8	14.64	21	95.2	B9	GC	12286	C -46 4707
13	8.4E	8.3M	51 7.016	-0.0010	12	-43 33 48.38	-0.005	12	0.74	7.066	45	00.2	48.13	45	00.2	K0	CZ	6697	P -43 3083
14	9.2E	9.2M	51 14.126	-0.0025	12	-48 21 33.76	0.010	12	0.65	14.247	31	01.2	34.26	28	01.2	AO	CZ	6704	P -48 2010
15	9.5E	9.5M	51 19.491	-0.0018	12	-45 10 59.93	0.003	12	0.65	19.573	36	04.8	0.08	36	04.8	AO	CZ	6703	P -44 3184
16	9.4E	9.6M	51 28.490	-0.0080	12	-47 3 34.42	0.056	12	0.68	28.674	36	01.7	37.15	36	01.7	G5	CZ	6706	P -46 3184
17	8.2E	9.4M	51 34.952	-0.0030	12	-43 33 46.78	0.005	12	0.66	35.104	28	99.4	47.03	28	99.4	B9	CZ	6707	P -43 3102
18		7.5T	51 36.218	0.0027	16	-44 8 35.29	-0.047	13	0.77	36.087	21	01.4	32.86	19	98.0	A0	GC	12301	C -43 4735
19	9.4E	9.0Z	51 38.624	-0.0021	12	-45 50 43.82	-0.000	12	0.61	38.722	28	04.1	43.80	28	04.1		CZ	6710	P -45 3218
20	9.4E	9.3M	51 46.213	-0.0023	12	-40 49 47.97	-0.024	12	0.66	46.329	28	99.4	46.76	28	99.4	A0	CZ	6709	P -40 2953
21	8.8E	9.0Z	51 46.859	-0.0031	12	-44 11 17.26	0.008	12	0.65	46.998	36	04.8	17.60	36	04.8		CZ	6712	P -43 3109
22	9.0E	9.6M	51 47.521	-0.0016	12	-45 6 10.00	0.008	12	0.65	47.594	36	04.8	10.37	36	04.8	B9	CZ	6714	P -44 3204
23	8.8E	9.8M	51 47.647	0.0004	12	-47 19 42.13	-0.007	12	0.69	47.626	36	00.7	41.76	36	00.7	B9	CZ	6716	P -47 2976
24	7.9E	8.2M	51 49.185	-0.0024	12	-43 20 32.72	0.007	12	0.64	49.305	24	99.2	33.08	20	99.2	A0	CZ	6713	P -43 3110
25	9.8E	8.9M	51 55.400	-0.0036	12	-48 55 23.92	-0.004	12	0.72	55.571	45	02.2	23.72	45	02.2		CZ	6722	P -48 2026
26	8.9E	8.9M	51 56.276	-0.0024	12	-48 52 48.32	0.001	12	0.72	56.389	45	02.2	48.35	45	02.2	A2	CZ	6724	P -48 2027
27	9.1	8.1W	51 57.750	0.0029	13	-40 6 38.29	0.004	13	0.26	57.710	15	36.3	38.34	21	36.3	K2	CB	3955	C -39 4923
28		6.5T	51 58.392	-0.0011	14	-40 15 24.50	0.004	10	0.64	58.445	21	01.8	24.70	18	95.0	+++	GC	12311	C*-39 4924
29	8.9E	10.5M	51 59.766	-0.0029	12	-46 18 30.87	-0.007	12	0.68	59.904	36	01.7	30.56	36	01.7	A2	CZ	6721	P -46 3200
30	9.5E	9.4M	52 2.004	-0.0019	12	-48 36 1.52	0.000	12	0.72	2.097	45	02.2	1.53	45	02.2	AO	CZ	6727	P -48 2033
31	10.2E	9.9Z	52 2.445	-0.0020	12	-49 33 28.13	-0.013	12	0.71	2.540	45	03.2	27.51	45	03.2		CZ	6729	P -49 1984
32	8.6E	8.4M	52 3.501	-0.0012	12	-49 23 18.60	-0.005	12	0.71	3.557	45	03.2	18.36	45	03.2	AO	CZ	6730	P -49 1966
33	10.1E	9.7M	52 4.790	-0.0038	12	-41 38 12.68	0.000	12	0.69	4.977	36	00.8	12.69	36	00.8	B9	CZ	6717	P -41 3112
34	7.3E	7.2M	52 6.372	-0.0036	12	-41 38 11.41	-0.001	12	0.66	6.552	28	99.7	11.37	26	99.7	B9	CZ	6718	P -41 3112
35	9.8E	8.9M	52 7.223	-0.0014	12	-41 0 9.72	-0.023	12	0.74	7.291	45	00.7	8.58	45	00.7	B9	CZ	6719	P -40 2962
36		5.3T	52 9.899	0.0001	06	-47 19 47.17	-0.029	05	0.27	9.895	09	06.7	45.82	09	03.2	A5	GC	12314	C -47 4480
37	7.9E	7.7M	52 10.400	-0.0015	12	-45 11 10.75	0.006	12	0.65	10.467	36	04.8	11.00	36	04.8	KD	CZ	6728	P -44 3207
38		7.2T	52 11.422	0.0019	12	-42 17 42.16	-0.011	12	0.65	11.324	15	99.2	41.59	18	97.2	B2	GC	12315	C -42 4762
39	8.4E	9.2M	52 16.211	-0.0001	12	-46 59 35.90	0.002	12	0.65	16.214	28	00.9	35.97	26	00.9	A0	CZ	6733	P -46 3209
40	9.1E	8.2M	52 18.594	-0.0013	12	-43 13 48.74	-0.016	12	0.74	18.658	45	00.7	47.94	45	00.7	K5	CZ	6732	P -42 3097
41	9.3E	9.4M	52 23.631	-0.0022	12	-49 37 32.06	-0.000	12	0.71	23.735	45	03.2	32.05	45	03.2	A2	CZ	6736	P -49 1973
42		6.8T	52 25.000	-0.0008	15	-43 18 27.77	0.017	14	0.74	25.036	22	02.5	28.62	22	01.1	K5	GC	12319	C -43 4751
43	8.7E	9.0M	52 31.361	-0.0025	12	-48 56 11.07	-0.017	12	0.65	31.481	31	01.2	10.23	28	01.2	AO	CZ	6738	P -48 2043
44	8.9E	9.8M	52 31.986	-0.0016	12	-46 18 19.18	-0.009	12	0.65	32.061	31	01.8	18.77	28	01.8	AO	CZ	6737	P -46 3213
45	9.2E	9.4M	52 32.713	-0.0025	12	-49 30 39.80	0.003	12	0.71	32.832	45	03.2	39.93	45	03.2	AO	CZ	6741	P -49 1978
46	7.7E	8.1M	52 40.039	-0.0028	12	-45 15 46.99	0.010	12	0.65	40.177	31	01.5	47.46	28	01.5	B9	CZ	6740	P -44 3213
47	9.6E	10.0M	52 40.111	-0.0018	12	-49 24 36.36	-0.003	12	0.71	40.194	45	03.2	36.22	45	03.2	AO	CZ	6743	P -49 1979
48	8.9E	9.0Z	52 41.956	-0.0012	12	-48 41 19.55	0.000	12	0.72	42.015	45	02.2	19.56	45	02.2		CZ	6744	P -48 2046
49	10.1E	9.5Z	52 42.047	-0.0025	12	-48 44 9.39	-0.006	12	0.72	42.155	45	02.2	9.03	45	02.2		CZ	6745	P -48 2047
50	11.8E	10.2M	52 42.761	-0.0021	12	-48 44 5.81	-0.010	12	0.72	42.859	45	02.2	5.33	45	02.2		CZ	6746	P -48 2047
51	9.4E	9.5Z	8 52 50.590	-0.0010	12	-44 14 16.98	-0.003	12	0.66	50.640	31	00.2	16.81	28	00.2		CZ	6747	P -43 3134
52	9.7E	9.4M	52 50.889	-0.0031	12	-49 55 49.11	-0.010	12	0.71	51.012	45	03.2	48.63	45	03.2	F5	CZ	6750	P -49 1984
53	9.0E	9.0M	53 6.123	-0.0001	12	-49 40 48.86	-0.034	12	0.65	6.130	31	01.9	47.21	28	01.9	A2	CZ	6754	P -49 1990
54	9.9E	9.6Z	53 9.228	-0.0027	12	-40 17 38.08	-0.020	12	0.66	9.364	28	99.2	37.07	26	99.2		CZ	6752	P -40 2977
55	9.8E	9.6M	53 11.535	-0.0017	12	-49 41 16.73	-0.009	12	0.71	11.616	45	03.2	16.30	45	03.2	A2	CZ	6756	P -49 1992
56	8.0E	8.3M	53 15.042	-0.0037	12	-43 38 22.48	0.006	12	0.74	15.225	45	00.7	22.77	45	00.7	AO	CZ	6753	P -43 3143
57	8.7E	9.6M	53 16.432	-0.0018	12	-47 21 36.25	-0.014	12	0.72	16.516	45	02.2	35.60	45	02.2	A2	CZ	6757	P -47 2910
58	9.2E	9.0M	53 18.216	-0.0011	12	-47 24 3.05	-0.010	12	0.73	18.267	45	02.1	2.59	45	02.1	OA	CZ	6758	P -47 2912
59	8.8E	8.9M	53 19.190	-0.0012	12	-47 13 26.84	-0.009	12	0.73	19.246	45	02.1	26.44	45	02.1	B2	CZ	6759	P -46 3232
60	7.5E	7.9M	53 20.637	-0.0011	12	-43 16 29.73	-0.012	12	0.74	20.689	45	00.7	29.14	45	00.7	B3	CZ	6755D	P*-42 3114
61	7.5E	7.8M	53 25.755	-0.0018	12	-46 10 6.93	-0.017	12	0.71	25.840	45	03.2	6.12	45	03.2	A0	CZ	6761	P -45 3240
62	8.2E	8.6M	53 26.197	-0.0011	12	-47 24 57.07	-0.012	12	0.73	26.249	45	02.1	56.52	45	02.1	B3	CZ	6763	P -47 2913
63	9.3E	9.5Z	53 29.344	-0.0020	12	-44 54 0.51	0.004	12	0.73	29.441	45	01.2	0.69	45	01.2		CZ	6762	P -44 3225
64		6.3T	53 33.846	-0.0004	08	-44 50 58.80	0.006	06	0.36	33.865	14	04.8	59.11	14	01.2	B3	GC	12349K	C -44 4951
65	8.5E	7.8M	53 34.064	-0.0025	12	-40 53 13.37	-0.018	12	0.83	34.183	63	02.2	12.51	57	02.2	B3	CZ	6760	P -40 2985
66	7.8E	8.5M	53 35.772	-0.0012	12	-43 36 32.37	0.006	12	0.74	35.830	45	00.7	32.66	45	00.7	AO	CZ	6764	P -43 3150
67	8.8E	9.1M	53 39.558	-0.0023	12	-45 28 44.19	0.029	12	0.71	39.665	45	03.2	45.52	45	03.2	AO	CZ	6768	P -45 3245
68	9.2E	8.2M	53 40.746	-0.0033	12	-46 41 56.36	-0.007	12	0.71	40.898	45	03.6	56.05	45	03.6	B9	CZ	6769	P -46 3242
69	8.9E	9.0Z	53 59.362	-0.0022	12	-44 13 41.04	0.009	12	0.73	59.488	45	01.2	41.47	45	01.2		CZ	6772	P -43 3157
70	8.0E	8.5M	54 4.585	-0.0030	12	-46 40 31.63	-0.001	12	0.71	4.723	45	03.6	31.60	45	03.6	B9	CZ	6773	P -46 3252
71	8.1E	8.0M	54 7.147	-0.0011	12	-46 8 58.23	-0.017	12	0.71	7.196	45	03.2	57.41	45	03.2	B8	CZ	6774	P -45 3254
72	9.5E	8.9M	54 25.593	-0.0019	12	-41 57 53.08	-0.043	12	0.73	25.684	45	01.6	50.98	45	01.6	G0	CZ	6775	P -41 3157
73	8.6E	9.1M	54 29.995	-0.0044	12	-48 56 28.89	0.001	12	0.72	30.204	45	02.2	28.93	45	02.2	A0	CZ	6780	P -48 2070
74	8.6E	8.8M	54 30.350	-0.0020	12	-45 12 20.37	0.013	12	0.71	30.444	45	03.2	21.00	45	03.2	B9	CZ	6778	P -44 3239
75	9.7E	9.0Z	54 31.096	-0.0030	12	-48 57 42.45	0.005	12	0.72	31.238	45	02.2	42.68	45	02.2		CZ	6781D	P*-48 2072
76	9.9E	9.8M	54 32.746	-0.0021	12	-49 27 15.09	-0.004	12	0.71	32.843	45	03.2	14.89	45	03.2	A2	CZ	6782	P -49 2016
77	8.2E	8.5M	54 34.682	-0.0019	12	-46 8 23.01	-0.012	12	0.71	34.769	45	03.2	22.47	45	03.2	AO	CZ	6779	P -45 3259
78	8.8E	9.1M	54 47.436	-0.0020	12	-47 44 21.89	-0.005	12	0.73	47.530	45	02.1	21.67	45	02.1	AO	CZ	6786	P -47 2943
79	9.4E	9.8M	54 49.660	-0.0022	12	-43 20 32.85	-0.010	12	0.74	49.769	45	00.6	32.35	45	00.6	B8	CZ	6783	P -42 3140
80	9.0E	9.2M	54 51.464	-0.0045	12	-43 43 53.98	0.017	12	0.74	51.685	45	00.7	54.80	45	00.7	A5	CZ	6784	P -43 3169
81	9.8E	9.2M	54 54.348	-0.0010	12	-49 40 27.28	-0.007	12	0.71	54.396	45	03.2	26.94	45	03.2	F5	CZ	6789	P -49 2024
82	8.9E	9.0M	54 56.576	-0.0011	12	-42 3 58.30	-0.013	12	0.65	56.631	28	99.8	57.62	26	99.8	A2	CZ	6785	P -41 3162
83	8.6E	7.9M	54 58.930	-0.0023	12	-43 27 48.37	-0.000	12	0.66	59.047	28	99.5	48.36	26	99.5	K5	CZ	6787	P -43 3172
84	8.4E	8.9M	55 0.621	-0.0015	12	-47 40 4.81	0.002	12	0.73	0.695	45	02.1	4.93	45	02.1	AO	CZ	6791D	P*-47 2945
85	8.9E	8.3M	55 6.605	-0.0014	12	-41 57 37.82	0.001	12	0.73	6.672	45	01.6	37.85	45	01.6	F0	CZ	6788	P -41 3163
86		9.1T	55 15.086	-0.0037	13	-43 4 9.85	0.001	12	0.68	15.265	22	01.4	9.93	21	97.8	B8	GC	12390	C -42 4806
87	9.4E	10.2M	55 16.139	-0.0019	12	-43 26 1.92	-0.007	12	0.74	16.199	45	00.7	1.56	45	00.7	A2	CZ	6794	P -43 3178
88	9.8E	10.5M	55 18.245	-0.0022	12	-48 52 45.42	-0.001	12	0.72	18.349	45	02.2	45.36	45	02.2	B	CZ	6796	P -48 2087
89		7.5T	55 18.880	0.0001	12	-43 3 45.75	-0.007	09	0.60	18.872	18	97.5	45.33	15	94.6	B3	GC	12391K	C -42 4808
90		10.1T	55 19.025	0.0009	17	-43 3 2.69	-0.009	18	0.87	18.979	21	01.4	2.29	26	03.2		GC	12392K	C -42 4809
91		7.1T	55 21.266	-0.0002	16	-49 29 15.14	-0.002	11	0.71	21.274	19	01.7	15.06	18	97.6	K0	GC	12394	C -49 3994
92	9.9E	10.5M	55 24.069	-0.0030	12	-48 55 45.23	-0.005	12	0.65	24.214	31	01.2	44.98	28	01.2	A5	CZ	6800	P -48 2090
93	9.0E	9.5M	55 33.159	-0.0021	12	-45 21 48.76	0.020	12	0.71	33.258	45	03.2	49.72	45	03.2	A3	CZ	6801	P -45 3277
94	9.7E	9.6Z	55 33.659	-0.0037	12	-42 20 31.01	-0.010	12	0.74	33.842	45	00.6	30.49	45	00.6		CZ	6798	P -42 3157
95	8.8E	8.9M	55 40.272	-0.0034	12	-48 0 40.70	-0.005	12	0.66	40.437	31	00.8	40.47	28	00.8	A0	CZ	6806	P -47 2955
96		7.4T	55 41.231	-0.0005	15	-44 4 17.69	-0.002	11	0.69	41.256	18	01.1	17.59	19	95.7	B3	GC	12401	C -43 4794
97	7.9E	7.9M	55 43.318	-0.0018	12	-41 9 25.35	-0.026	12	0.66	43.408	28	99.2	24.04	26	99.2	A0	CZ	6802	P -40 3013
98	8.2E	9.1M	55 55.004	-0.0026	12	-43 21 5.97	0.005	12	0.74	55.132	45	00.7	6.21	45	00.7	A0	CZ	6807D	P*-43 3186
99	7.7E	8.2M	56 3.384	-0.0013	12	-42 19 51.12	-0.005	12	0.66	3.449	28	99.3	50.85	26	99.3	B9	CZ	6808	P -42 3174
00	9.2E	9.6M	56 4.895	-0.0019	12	-42 57 34.58	-0.019	12	0.66	4.991	28	99.4	33.62	26	99.4	B8	CZ	6809	P -42 3176

220700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ".001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ".001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 8H DM NUMBER
1	9.0E	8.5Z	8 56 13.262	-0.0024	12	-47 32 36.56	-0.007	12	0.64	13.382	28	01.1	36.25	26	01.1		CZ	6813	P -47 2963
2	9.0E	9.8H	56 13.948	-0.0025	12	-44 40 30.55	-0.003	12	0.65	14.071	28	00.2	30.67	26	00.2	A0	CZ	6811	P -44 3270
3		5.9T	56 16.052	-0.0001	07	-48 22 43.66	-0.005	06	0.31	16.056	14	08.4	43.42	12	02.6	K0	GC	12413	C -48 4282
4	9.1E	8.3Z	56 32.111	-0.0034	12	-46 0 13.70	0.013	12	0.64	32.274	28	01.7	14.35	26	01.7	G5	CZ	6817	P -45 3294
5	11.1E	9.5H	56 33.621	-0.0021	12	-46 0 14.92	0.024	12	0.67	33.718	36	02.9	16.03	36	02.9	G5	CZ	6818	P -45 3294
6	10.1E	9.3Z	56 35.954	-0.0029	12	-41 41 26.63	0.008	12	0.65	36.099	28	00.1	27.03	26	00.1		CZ	6815	P -41 3182
7	9.9E	9.0Z	56 36.394	-0.0035	12	-42 12 42.90	0.018	12	0.65	36.572	26	99.4	43.79	24	99.4		CZ	6816	P -41 3183
8	9.6E	9.0Z	56 42.502	-0.0018	12	-45 34 0.63	0.007	12	0.67	42.589	36	02.9	0.99	36	02.9		CZ	6819	P -45 3297
9	9.4E	8.8H	56 54.274	-0.0028	12	-49 21 22.27	0.014	12	0.72	54.411	45	02.7	22.93	45	02.7	A0	CZ	6823	P -49 2062
10	9.0E	9.6H	56 57.582	-0.0021	12	-46 33 55.50	-0.017	12	0.63	57.681	28	01.9	54.70	26	01.9	A0	CZ	6821	P -46 3295
11	9.7E	9.0Z	56 59.216	-0.0023	12	-44 3 5.69	0.031	12	0.65	59.330	26	99.7	7.23	24	99.7		CZ	6820	P -43 3206
12	8.3E	8.0H	57 3.712	-0.0060	12	-43 15 28.88	0.013	12	0.69	4.008	36	00.6	29.52	36	00.6	F0	CZ	6822	P -42 3202
13	10.3E	9.1H	57 7.441	-0.0051	12	-49 48 23.05	-0.010	12	0.72	7.680	45	02.7	22.56	45	02.7	K0	CZ	6832	P -49 2066
14	8.9E	9.2H	57 8.068	-0.0027	12	-43 13 34.24	0.004	12	0.69	8.202	36	00.6	34.43	36	00.6	A0	CZ	6825	P -42 3204
15	8.5E	9.2H	57 8.740	-0.0031	12	-43 25 40.85	-0.019	12	0.65	8.897	26	99.7	39.88	24	99.7	A0	CZ	6827	P -43 3208
16	9.8E	10.2H	57 9.710	-0.0030	12	-48 27 30.38	0.008	12	0.68	9.852	36	02.2	30.78	36	02.2	A0	CZ	6831	P -48 2111
17		5.2T	57 10.346	-0.0090	08	-47 2 24.94	0.052	05	0.33	10.707	14	09.9	27.46	12	01.5	F0	GC	12431K	C*-46 4810
18	8.9E	9.0H	57 17.518	-0.0025	12	-42 55 22.93	-0.010	12	0.67	17.646	28	98.9	22.42	26	98.9	F0	CZ	6829	P -42 3207
19	9.9E	9.4H	57 25.524	-0.0036	12	-49 53 46.39	-0.012	12	0.72	25.692	45	02.7	45.80	45	02.7	A0	CZ	6836	P -49 2072
20	8.9E	9.8H	57 31.991	-0.0027	12	-42 24 22.87	-0.015	12	0.74	32.126	45	00.2	22.10	45	00.2	B9	CZ	6834	P -42 3211
21	8.4E	8.0H	57 32.943	-0.0045	12	-40 54 46.75	0.026	12	0.83	33.157	63	02.2	47.99	57	02.2	F5	CZ	6833	P -40 3037
22	9.0E	10.0H	57 35.050	-0.0033	12	-43 9 36.25	0.008	12	0.74	35.195	45	00.2	36.64	45	00.2	B9	CZ	6835	P -42 3212
23	9.5E	9.6H	57 35.343	-0.0025	12	-48 38 4.91	0.002	12	0.68	35.465	36	02.2	5.02	36	02.2	B	CZ	6837	P -48 2119
24		7.2T	57 41.692	-0.0010	08	-48 5 44.43	-0.031	06	0.35	41.736	15	05.4	42.90	14	00.6	K0	GC	12442	C -47 4571
25	9.9E	9.1H	57 47.971	0.0001	12	-49 14 9.73	0.036	12	0.72	47.965	45	02.7	11.42	45	02.7	G5	CZ	6839	P -48 2122
26	9.7E	9.7Z	57 57.332	-0.0023	12	-44 50 43.91	-0.008	12	0.67	57.447	31	99.9	43.49	28	99.9		CZ	6840	P -44 3289
27	8.7E	9.6H	58 2.824	-0.0006	12	-44 26 39.21	-0.013	12	0.74	2.853	45	00.8	38.56	45	00.8	B9	CZ	6842	P -44 3292
28	8.9E	8.6H	58 3.267	-0.0015	12	-43 20 40.97	-0.005	12	0.74	3.362	45	00.2	40.72	45	00.2	A0	CZ	6841	P -43 3222
29	9.5E	9.2H	58 9.061	-0.0026	12	-42 12 6.60	-0.003	12	0.74	9.191	45	00.2	6.42	45	00.2	A3	CZ	6843	P -41 3210
30		4.4H	58 13.313	-0.0038	03	-41 3 29.79	0.038	03	0.12	13.445	06	15.1	31.12	06	14.7	F8	F4	1234	C -40 4810
31	8.7E	7.9H	58 14.835	-0.0016	12	-44 12 59.72	-0.035	12	0.74	14.913	45	00.8	57.98	45	00.8	K5	CZ	6847	P -43 3226
32	9.4E	9.1H	58 17.723	-0.0037	12	-47 26 5.74	-0.015	12	0.72	17.899	45	02.1	5.04	45	02.1	A2	CZ	6850	P -47 2994
33	8.9E	9.8H	58 22.066	-0.0022	12	-42 44 14.88	-0.006	12	0.74	22.175	45	00.2	14.57	45	00.2	A0	CZ	6848	P -42 3231
34	10.6E	10.2H	58 22.082	-0.0010	12	-49 21 36.55	0.014	12	0.72	22.129	45	02.7	37.20	45	02.7	K0	CZ	6853	P -49 2089
35		7.4T	58 22.848	-0.0017	12	-49 21 42.87	0.002	11	0.64	22.932	22	99.6	43.00	21	95.7	K0	GC	12460K	C*-49 4042
36	9.7E	10.9H	58 24.930	-0.0031	12	-49 9 35.45	-0.012	12	0.64	25.080	28	01.2	34.85	26	01.2	A0	CZ	6855	P -48 2128
37	9.0E	8.5Z	58 30.348	-0.0021	12	-46 29 22.00	-0.007	12	0.73	30.447	45	02.1	21.64	45	02.1		CZ	6857	P -46 3310
38		6.1T	58 32.803	-0.0020	11	-42 58 37.97	0.017	09	0.58	32.905	21	98.0	38.99	18	91.7	B3	GC	12464	C -42 4875
39	9.7E	10.0H	58 36.577	-0.0022	12	-43 8 2.90	0.007	12	0.74	36.687	45	00.2	3.25	45	00.2	A0	CZ	6858	P -42 3238
40	8.7E	9.0H	58 36.079	-0.0025	12	-43 43 14.49	0.010	12	0.74	38.202	45	00.2	14.97	45	00.2	A2	CZ	6859	P -43 3231
41	8.5E	8.9H	58 39.250	-0.0005	12	-46 31 6.95	-0.012	12	0.73	39.276	45	02.1	6.40	45	02.1	A5	CZ	6860	P -46 3311
42	9.3E	9.0H	58 39.993	-0.0038	12	-40 19 22.35	-0.029	12	0.83	40.174	63	02.2	20.97	57	02.2	A0	CZ	6856	P -40 3049
43	9.0E	7.9H	58 42.605	-0.0035	12	-48 31 5.01	0.002	12	0.72	42.774	45	02.2	5.12	45	02.2	K0	CZ	6864	P -48 2135
44	8.6E	9.2H	58 42.735	-0.0019	12	-47 3 36.25	0.003	12	0.73	42.824	45	02.1	36.42	45	02.1	A0	CZ	6861	P -46 3315
45	9.6E	9.0Z	58 48.516	-0.0043	12	-44 59 54.19	0.022	12	0.74	48.728	45	00.8	55.26	45	00.8		CZ	6863	P -44 3311
46	9.6E	10.2H	58 50.955	-0.0018	12	-43 9 1.60	0.004	12	0.67	51.047	28	98.9	1.79	26	98.9	A0	CZ	6862	P -42 3242
47	9.8E	9.8H	58 51.669	-0.0019	12	-48 47 16.76	-0.007	12	0.72	51.758	45	02.2	16.41	45	02.2	B	CZ	6868	P*-48 2137
48	10.8E	9.5Z	58 51.917	-0.0028	12	-48 46 39.67	-0.011	12	0.72	52.049	45	02.2	39.13	45	02.2		CZ	6869	P -48 2138
49	11.3E	10.0H	58 52.411	-0.0022	12	-48 46 32.69	-0.009	12	0.72	52.515	45	02.2	32.25	45	02.2		CZ	6870	P -48 2138
50	10.9E	9.8H	58 52.781	-0.0016	12	-48 49 3.67	-0.006	12	0.72	52.856	45	02.2	3.37	45	02.2		CZ	6871D	P -48 2140
51	10.4E	9.5Z	8 58 53.373	-0.0020	12	-48 49 5.48	-0.016	12	0.72	53.468	45	02.2	4.71	45	02.2		CZ	6872D	P -48 2140
52	9.6E	9.8H	58 57.596	-0.0018	12	-48 47 38.70	-0.035	12	0.72	57.680	45	02.2	37.02	45	02.2	G0	CZ	6875	P -48 2142
53	8.3E	9.0H	58 57.855	-0.0033	12	-43 39 36.34	0.019	12	0.74	58.020	45	00.2	37.28	45	00.2	A3	CZ	6866	P -43 3240
54	9.4E	10.0H	58 58.438	-0.0030	12	-42 35 14.83	0.004	12	0.74	58.588	45	00.2	15.01	45	00.2	A2	CZ	6865	P -42 3243
55	8.5E	9.4H	59 0.744	-0.0027	12	-43 21 19.57	0.005	12	0.74	0.879	45	00.2	19.81	45	00.2	A5	CZ	6867	P -43 3242
56	8.6E	8.3H	59 0.815	-0.0014	12	-45 41 55.06	-0.002	12	0.73	0.885	45	01.7	54.99	45	01.7	A3	CZ	6874	P -45 3325
57	8.2E	8.3H	59 8.711	-0.0019	12	-45 26 5.57	0.002	12	0.66	8.805	31	00.5	5.69	28	00.5	A3	CZ	6876	P -45 3327
58	9.0E	9.3H	59 14.971	-0.0026	12	-42 9 9.28	0.006	12	0.73	15.098	45	01.2	9.55	45	01.2	A0	CZ	6877	P -41 3226
59	7.9E	7.7H	59 25.713	-0.0040	12	-47 3 17.24	0.025	12	0.66	25.910	31	00.8	18.46	28	00.8	F0	CZ	6882	P -46 3324
60		5.5T	59 29.285	-0.0026	09	-41 40 2.07	0.002	07	0.34	29.384	14	11.4	2.16	14	06.3	B5	GC	12489	C*-41 4720
61	8.5E	8.8H	59 40.711	-0.0038	12	-44 3 9.40	0.015	12	0.74	40.899	45	00.2	10.13	45	00.2	G5	CZ	6885D	P*-43 3257
62	10.1E	10.0H	59 42.117	-0.0016	12	-48 41 56.87	-0.015	12	0.65	42.193	31	01.2	56.12	28	01.2	F0	CZ	6886	P -48 2157
63		7.7T	59 52.977	-0.0023	11	-49 22 54.07	0.004	09	0.57	53.096	18	97.5	54.32	17	92.5	B8	GC	12497	C -49 5057
64	9.6E	9.2H	59 55.968	-0.0029	12	-43 2 6.07	0.046	12	0.74	56.113	45	00.2	8.36	45	00.2	G5	CZ	6887	P -42 3261
65	9.5E	9.5H	9 0 4.477	-0.0017	12	-41 47 29.31	-0.002	12	0.73	4.559	45	01.2	29.19	45	01.2	A2	CZ	6889	P -41 3249
66	9.0E	9.0H	0 6.860	-0.0045	12	-48 33 4.91	-0.001	12	0.72	7.076	45	02.2	4.88	45	02.2	G0	CZ	6893	P -48 2161
67		6.7T	0 13.184	-0.0011	12	-40 21 25.25	-0.001	11	0.62	13.241	17	98.0	25.22	15	96.1	B0	GC	12502	C -40 4838
68	8.7E	9.1H	0 23.241	-0.0023	12	-46 15 33.65	-0.004	12	0.73	23.349	45	02.1	33.48	45	02.1	A0	CZ	6895	P -45 3344
69	9.0E	10.9H	0 30.936	-0.0018	12	-49 26 15.76	-0.010	12	0.72	31.021	45	02.7	15.28	45	02.7	A2	CZ	6898	P -49 2116
70	9.4E	10.0H	0 32.080	-0.0017	12	-42 18 2.35	-0.002	12	0.74	32.145	45	00.2	2.23	45	00.2	A	CZ	6896	P -42 3269
71	7.7E	8.5H	0 37.778	-0.0024	12	-43 46 19.08	-0.012	12	0.67	37.908	28	98.9	18.46	26	98.9	B9	CZ	6897	P -43 3271
72		7.2T	0 44.981	0.0001	09	-42 30 31.97	-0.021	07	0.40	44.975	15	07.4	31.02	14	03.5	A0	GC	12514	C -42 4906
73	8.5E	8.9H	0 45.268	-0.0025	12	-46 21 48.40	-0.004	12	0.66	45.389	31	00.8	48.22	28	00.8	B2	CZ	6903	P -46 3340
74	9.1E	8.4H	0 51.065	-0.0038	12	-40 50 0.74	0.020	12	0.66	51.256	28	99.5	1.76	26	99.5	G5	CZ	6901	P -40 3084
75	9.5E	11.5Z	0 51.255	-0.0016	12	-42 30 47.30	-0.003	12	0.74	51.334	45	00.2	47.13	45	00.2	B8	CZ	6902	P -42 3273
76	9.4E	9.8H	0 58.127	-0.0013	12	-45 58 31.25	0.010	12	0.73	58.188	45	01.7	31.76	45	01.7	A0	CZ	6906	P -45 3356
77	8.3E	8.5H	0 58.711	-0.0020	12	-44 26 39.78	0.008	12	0.67	58.811	31	99.9	40.17	28	99.9	A0	CZ	6904	P -44 3341
78	7.7E	8.4H	1 1.172	-0.0024	12	-44 2 46.79	-0.012	12	0.66	1.296	28	99.1	46.18	26	99.1	A0	CZ	6905	P -43 3276
79	9.1E	9.6H	1 4.451	-0.0017	12	-46 45 54.75	-0.007	12	0.68	4.531	36	01.5	54.43	36	01.5	B8	CZ	6909	P -46 3350
80	9.2E	9.2H	1 7.683	-0.0010	12	-44 13 8.09	0.017	12	0.74	7.732	45	00.8	8.91	45	00.8	A3	CZ	6908	P -43 3277
81	8.5E	9.6H	1 9.626	-0.0025	12	-42 41 8.75	-0.001	12	0.74	9.751	45	00.2	8.68	45	00.2	A0	CZ	6907	P -42 3279
82	8.6E	9.4H	1 21.344	-0.0020	12	-45 10 29.33	-0.008	12	0.65	21.444	28	00.4	28.96	26	00.4	A0	CZ	6912	P -44 3352
83	8.6E	8.6H	1 22.681	-0.0029	12	-41 50 39.39	-0.005	12	0.73	22.821	45	01.2	39.12	45	01.2	A3	CZ	6911	P -41 3273
84	10.1E	10.2H	1 30.167	-0.0010	12	-48 46 45.51	-0.013	12	0.72	30.213	45	02.2	44.89	45	02.2	A0	CZ	6916	P -48 2178
85		6.9T	1 31.693	-0.0028	13	-49 29 52.75	0.018	10	0.63	31.829	22	01.0	53.75	21	95.6	K0	GC	12526	C -49 4075
86	9.5E	9.8H	1 31.931	-0.0013	12	-42 34 35.34	0.014	12	0.65	31.997	26	99.4	36.02	24	99.4	K0	CZ	6913	P -42 3285
87	9.1E	8.8H	1 32.158	-0.0023	12	-48 18 29.94	0.000	12	0.65	32.269	31	01.2	29.96	28	01.2	B8	CZ	6918	P -48 2179
88	8.7E	9.4H	1 36.399	-0.0018	12	-43 51 32.35	0.001	12	0.69	36.488	36	00.2	32.38	36	00.2	A0	CZ	6915	P -43 3283
89	10.1	8.9W	1 40.774	-0.0017	13	-40 0 32.19	0.018	13	0.26	40.750	15	36.3	32.44	21	36.3	K2	C8	4047	C -39 5121
90	8.4E	8.9H	1 42.361	-0.0043	12	-42 4 12.37	0.004	12	0.66	42.578	28	99.5	12.55	26	99.5	G5	CZ	6917	P -41 3282
91	9.1E	9.0Z	1 42.617	-0.0026	12	-49 56 1.92	-0.005	12	0.67	42.739	36	02.6	1.70	36	02.6	A0	CZ	6925	P -49 2132
92	9.5E	9.0Z	1 43.503	0.0013	12	-48 29 15.91	-0.060	12	0.72	43.442	45	02.2	13.04	45	02.2	G0	CZ	6923	P -48 2183
93		8.1T	1 46.808	-0.0005	17	-47 12 17.43	0.028	14	0.79	46.833	24	03.5	18.85	21	99 3	B5	GC	12533	C -46 4870
94	8.8E	8.8*	1 49.832	-0.0004	12	-47 43 50.63	-0.014	12	0.65	49.851	28	00.6	49.94	26	00.6	A5	CZ	6927	P -47 3033
95		8.4T	1 50.817	-0.0002	16	-49 32 50.84	-0.032	14	0.81	50.827	19	02.9	49.25	19	99.9	A0	GC	12536	C -49 4080
96	8.3E	8.0Z	1 58.759	-0.0025	12	-41 21 20.98	-0.010	12	0.65	58.886	26	99.5	20.45	24	99.5	G5	CZ	6926	P -41 3285
97	9.9E	8.5Z	2 1.465	0.0003	12	-45 49 42.83	-0.023	12	0.65	1.451	28	00.9	41.70	26	00.9	K0	CZ	6930	P -45 3385
98	9.4E	9.0Z	2 8.946	-0.0036	12	-48 25 44.44	0.015	12	0.72	9.119	45	02.2	45.15	45	02.2	A0	CZ	6933	P -48 2189
99	9.8E	9.0Z	2 10.051	-0.0017	12	-48 21 30.49	-0.004	12	0.72	10.133	45	02.2	30.30	45	02.2	B	CZ	6935	P -48 2190
00	9.9E	9.0Z	2 13.780	-0.0040	12	-43 38 41.17	0.022	12	0.66	13.985	28	99.0	42.27	26	99.0	K5	CZ	6932	P -43 3295

220800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 9H DM NUMBER
1	8.8E	8.7Z	9 2 22.240	-0.0001	12	-40 38 9.64	0.006	12	0.68	22.246	28	98.1	9.93	26	98.1	B9	CZ	6934	P -40 3106
2		6.5T	2 22.607	-0.0019	12	-47 14 30.85	0.001	12	0.64	22.705	17	98.8	30.91	18	96.3	B3	GC	12544	C -46 4882
3		3.7H	2 25.701	-0.0050	03	-46 53 52.51	-0.016	02	0.11	25.878	07	14.3	51.90	06	11.8	K0	F4	342	C -46 4883
4	8.6E	9.0Z	2 30.087	-0.0010	12	-41 56 21.33	-0.009	12	0.67	30.149	28	98.9	20.88	26	98.9	A2	CZ	6936	P -41 3294
5	9.8E	9.0Z	2 33.694	-0.0060	12	-47 39 52.55	0.032	12	0.68	33.985	36	01.5	54.10	36	01.5	F5	CZ	6941	P -47 3044
6	9.3E	9.0Z	2 41.488	-0.0003	12	-49 35 23.68	-0.009	12	0.72	41.500	45	02.7	23.27	45	02.7	A5	CZ	6943	P -49 2153
7	9.1E	9.0Z	2 44.940	0.0020	12	-40 51 54.57	0.036	12	0.85	44.838	63	99.2	56.38	57	99.2	G5	CZ	6940	P -40 3113
8	8.8E	9.0Z	2 46.505	-0.0036	12	-43 15 17.06	0.049	12	0.74	46.684	45	00.2	19.53	45	00.2	F8	CZ	6942	P -42 3304
9	9.4E	9.0Z	2 54.672	-0.0017	12	-43 4 0.45	0.011	12	0.67	54.759	28	98.9	1.03	26	98.9	A0	CZ	6944	P -42 3309
10	9.2E	9.3Z	2 57.212	-0.0010	12	-46 22 58.66	-0.010	12	0.73	57.262	45	01.2	58.17	45	01.2	A0	CZ	6949	P -46 3360
11	8.8E	9.0Z	2 57.258	-0.0025	12	-42 12 5.97	0.000	12	0.86	57.386	28	99.0	5.98	26	99.0	A3	CZ	6945	P -41 3306
12	9.5E	9.5H	2 58.679	-0.0017	12	-45 39 47.70	-0.029	12	0.72	58.759	45	02.1	46.32	45	02.1	A0	CZ	6950	P -45 3409
13	9.3E	9.6Z	2 58.886	-0.0050	12	-48 37 41.95	-0.003	12	0.72	59.064	45	02.2	41.81	45	02.2	F8	CZ	6952	P -48 2203
14	10.1E	9.6Z	2 58.876	-0.0020	12	-49 35 49.63	-0.001	12	0.72	58.968	45	02.7	49.59	45	02.7	A0	CZ	6953	P -49 2159
15	8.6E	8.0Z	2 59.111	-0.0017	12	-44 36 36.72	0.002	12	0.73	59.192	45	01.2	36.83	45	01.2	K2	CZ	6948	P -44 3379
16	8.5E	9.0Z	2 59.132	-0.0019	12	-44 23 23.72	-0.016	12	0.66	59.225	31	00.2	22.93	28	00.2	A2	CZ	6946	P -44 3378
17	7.9E	8.5Z	3 0.417	-0.0023	12	-45 39 42.55	-0.001	12	0.72	0.527	45	02.1	42.61	45	02.1	A0	CZ	6951	P -45 3409
18	8.5E	9.0Z	3 4.382	-0.0022	12	-48 0 59.51	-0.001	12	0.73	4.489	45	01.2	59.46	45	01.2	A2	CZ	6955	P -47 3052
19		7.0T	3 5.705	-0.0050	11	-46 36 58.96	0.018	10	0.59	5.966	21	98.0	59.98	19	93.4	A2	GC	12558	C -46 4882
20	9.5E	9.3Z	3 6.104	-0.0022	12	-48 36 50.22	-0.003	12	0.72	6.208	45	02.2	50.07	45	02.2	A0	CZ	6956	P -48 2205
21	8.7E	8.8Z	3 23.840	-0.0013	12	-46 30 42.71	-0.009	12	0.73	23.904	45	01.2	43.16	45	01.2	B8	CZ	6959	P -46 3385
22	10.2E	9.6Z	3 25.292	-0.0022	12	-49 27 23.45	0.007	12	0.72	25.396	45	02.7	23.80	45	02.7	G0	CZ	6964	P -49 2166
23	8.7E	8.8Z	3 25.777	-0.0017	12	-48 15 36.49	-0.009	12	0.72	25.858	45	02.2	36.06	45	02.2	A0	CZ	6961	P -47 3056
24	7.7E	8.0Z	3 31.442	-0.0035	12	-41 57 59.19	0.032	12	0.75	31.620	45	99.7	+ 0.81	45	99.7	A3	CZ	6958	P -41 3311
25	9.0E	9.5Z	3 33.660	-0.0023	12	-46 8 54.74	0.012	12	0.72	33.772	45	02.1	55.32	45	02.1	A5	CZ	6965	P -45 3420
26	9.2E	9.0Z	3 33.680	-0.0024	12	-41 54 55.31	0.004	12	0.75	33.802	45	99.7	55.52	45	99.7		CZ	6960	P -41 3312
27	9.4E	9.6Z	3 35.260	-0.0027	12	-49 39 32.39	0.013	12	0.61	35.385	24	02.7	33.02	20	02.7	A0	CZ	6969	P -49 2168
28	8.9E	8.9Z	3 36.692	0.0008	12	-42 49 51.92	-0.060	12	0.74	36.652	45	00.2	48.96	45	00.2	G0	CZ	6963	P -42 3321
29	8.8E	8.5Z	3 42.537	0.0001	12	-40 30 33.80	-0.005	12	0.68	42.533	28	97.7	33.52	26	97.7	K0	CZ	6966	P -40 3129
30	9.2E	9.0Z	3 42.944	-0.0022	12	-48 50 15.33	-0.010	12	0.72	43.049	45	02.2	14.87	45	02.2	B9	CZ	6972	P -48 2214
31	9.0E	9.0Z	3 43.220	-0.0012	12	-44 52 11.06	-0.004	12	0.73	43.278	45	01.2	10.89	45	01.2	A2	CZ	6968	P -44 3393
32	10.0E	9.0Z	3 47.825	0.0000	12	-49 32 20.98	-0.013	12	0.72	47.623	45	02.7	20.37	45	02.7	G5	CZ	6978	P -49 2170
33	9.7E	9.5Z	3 49.093	-0.0004	12	-47 31 31.52	-0.038	12	0.73	48.976	45	01.2	29.67	45	01.2	F8	CZ	6975	P -47 3061
34	8.6E	9.0Z	3 50.354	-0.0025	12	-43 25 15.11	0.003	12	0.74	50.479	45	00.2	15.28	45	00.2	F0	CZ	6971	P -43 3325
35	8.9E	9.0Z	3 50.876	-0.0020	12	-44 54 51.90	-0.009	12	0.73	50.973	45	01.2	51.48	45	01.2	A2	CZ	6973	P -44 3395
36	8.1E	8.5Z	3 51.709	-0.0013	12	-44 57 55.86	-0.034	12	0.73	51.772	45	01.2	34.22	45	01.2	A0	CZ	6974	P -44 3396
37	9.4E	9.0Z	3 55.542	-0.0014	12	-43 59 55.52	0.001	12	0.67	55.612	28	98.9	55.59	26	98.9	F0	CZ	6976	P -43 3327
38	8.7E	9.0Z	3 56.753	-0.0033	12	-47 20 20.24	-0.008	12	0.73	56.915	45	01.2	19.86	45	01.2	A0	CZ	6979	P -47 3064
39	8.7E	9.0Z	3 57.805	-0.0014	12	-43 13 48.42	0.000	12	0.74	57.875	45	00.2	48.45	45	00.2	A0	CZ	6977	P -42 3327
40	9.1E	9.0Z	4 2.289	-0.0002	12	-49 2 56.61	-0.026	12	0.65	2.299	31	01.2	55.36	28	01.2	F0	CZ	6982	P -48 2221
41		7.8T	4 3.879	-0.0047	15	-49 56 37.71	-0.012	11	0.69	4.104	22	02.4	37.08	21	96.8	A0	GC	12578K	C -49 4114
42	9.7E	9.6Z	4 4.376	-0.0023	12	-48 35 19.63	-0.004	12	0.72	4.484	45	02.2	19.43	45	02.2	A0	CZ	6983	P -48 2222
43	9.3E	9.8H	4 5.151	-0.0020	12	-45 16 24.87	-0.004	12	0.72	5.245	45	02.1	24.68	45	02.1	A2	CZ	6981	P -44 3405
44	9.3E	9.4Z	4 15.345	-0.0016	12	-45 32 28.71	-0.002	12	0.72	15.422	45	02.1	28.62	45	02.1	A0	CZ	6985	P -45 3427
45	8.8E	9.0Z	4 17.116	-0.0019	12	-47 26 30.70	0.012	12	0.73	17.210	45	01.2	31.29	45	01.2	B9	CZ	6987	P -47 3069
46	9.3E	8.0Z	4 17.643	-0.0029	12	-49 1 58.43	0.002	12	0.72	17.781	45	02.2	58.54	45	02.2	K0	CZ	6990	P -48 2225
47	8.2E	8.6H	4 18.424	-0.0018	12	-45 14 12.91	0.003	12	0.65	18.551	28	00.8	13.06	26	00.8	A2	CZ	6986	P -44 3409
48	11.0E	10.2H	4 19.236	-0.0016	12	-47 26 35.61	0.010	12	0.73	19.315	45	01.2	36.10	45	01.2	B9	CZ	6988	P -47 3069
49	10.2E	9.6Z	4 29.373	0.0037	12	-49 30 32.48	-0.092	12	0.72	29.196	45	02.7	28.14	45	02.7	G0	CZ	6995	P -49 2180
50	9.3E	9.5Z	4 29.735	-0.0016	12	-46 23 25.17	-0.004	12	0.66	29.816	31	00.1	24.98	28	00.1	A2	CZ	6992	P -46 3402
51	9.3E	9.5Z	9 4 31.852	-0.0011	12	-41 45 16.26	-0.012	12	0.75	31.908	45	99.7	15.66	45	99.7	A0	CZ	6991	P -41 3337
52	9.0E	8.8H	4 37.168	-0.0019	12	-48 25 38.18	-0.004	12	0.65	37.261	31	01.2	37.99	28	01.2	A0	CZ	6999	P -48 2229
53	8.9E	9.3Z	4 37.862	-0.0019	12	-47 59 43.46	0.001	12	0.66	37.957	31	00.2	43.51	28	00.2	A0	CZ	6998	P -47 3073
54	9.3E	9.0Z	4 38.823	-0.0067	12	-41 48 12.48	-0.015	12	0.75	39.159	45	99.7	11.73	45	99.7	G5	CZ	6993	P -41 3340
55	8.3E	9.0Z	4 40.765	-0.0002	12	-41 13 30.92	-0.008	12	0.67	40.777	28	98.6	30.49	26	98.6	A3	CZ	6994	P -40 3156
56	9.4E	9.0Z	4 41.272	-0.0004	12	-44 54 42.09	-0.014	12	0.73	41.292	45	01.2	41.43	45	01.2	B8	CZ	6997	P -44 3414
57	9.4E	9.5Z	4 45.438	0.0006	12	-40 49 15.53	-0.004	12	0.85	45.414	63	99.2	15.31	57	99.2		CZ	6996	P -40 3157
58	10.2E	9.7Z	4 47.319	-0.0015	12	-48 24 39.09	-0.004	12	0.72	47.391	45	02.2	38.90	45	02.2	A0	CZ	7001	P -48 2232
59		7.4T	4 48.391	0.0042	12	-43 17 34.29	0.169	11	0.61	48.177	18	99.5	43.05	18	98.3	G0	GC	12588	C -42 4968
60		8.0T	4 51.657	-0.0025	16	-47 43 4.84	-0.001	11	0.70	51.773	24	03.4	4.79	21	96.6	B9	GC	12589	C -47 4662
61	9.3E	9.5Z	4 52.938	-0.0020	12	-46 58 55.08	0.004	12	0.66	53.038	31	00.2	55.29	28	00.2	A0	CZ	7003	P -46 3408
62	9.5E	9.0H	4 58.930	-0.0012	12	-46 2 50.73	-0.006	12	0.66	58.990	31	00.8	50.44	28	00.8	A0	CZ	7004	P -45 3436
63	9.4E	9.5Z	4 59.519	-0.0013	12	-46 12 26.73	0.011	12	0.73	59.584	45	01.2	27.27	45	01.2	A3	CZ	7005	P -45 3438
64	9.3E	9.5Z	5 17.226	-0.0019	12	-45 40 22.34	-0.002	12	0.72	17.316	45	02.1	22.24	45	02.1	A0	CZ	7007	P -45 3442
65	10.4E	9.0Z	5 17.908	-0.0017	12	-49 26 14.53	-0.005	12	0.65	17.991	31	01.5	14.30	28	01.5	K5	CZ	7009	P -49 2186
66	8.8E	9.0Z	5 23.213	-0.0029	12	-45 48 59.55	0.002	12	0.72	23.352	45	02.1	59.66	45	02.1	A0	CZ	7008	P -45 3443
67	10.2E	9.5H	5 32.303	-0.0014	12	-42 18 13.48	-0.001	12	0.66	32.376	28	99.1	13.44	26	99.1	A0	CZ	7010	P -42 3352
68	9.4E	9.0Z	5 33.025	-0.0016	12	-47 40 18.29	0.007	12	0.73	33.103	45	01.2	18.64	45	01.2	A2	CZ	7013	P -47 3082
69	12.1E	10.0H	5 33.195	-0.0023	12	-47 40 11.60	0.007	12	0.73	33.307	45	01.2	11.95	45	01.2	A2	CZ	7014	P -47 3082
70	8.7E	8.5Z	5 33.600	-0.0033	12	-43 45 11.17	0.005	12	0.74	33.763	45	00.2	11.44	45	00.2	A3	CZ	7011	P -43 3354
71	8.8E	9.0Z	5 37.960	-0.0009	12	-48 14 19.58	-0.005	12	0.72	38.003	45	02.2	19.34	45	02.2	A0	CZ	7015	P -47 3083
72	9.4E	9.0Z	5 42.171	-0.0038	12	-47 43 53.35	0.049	12	0.73	42.357	45	01.2	55.74	45	01.2		CZ	7016	P -47 3084
73		7.0T	5 53.836	-0.0013	10	-44 25 48.14	-0.007	07	0.40	53.890	15	08.8	47.83	15	04.3	B5	GC	12616K	C -44 5150
74	9.2E	9.5Z	5 53.901	-0.0014	12	-41 44 3.24	0.009	12	0.67	54.053	28	98.7	3.71	26	98.7	A0	CZ	7018	P -41 3358
75	8.4E	8.5Z	5 54.798	-0.0026	12	-47 21 34.17	-0.042	12	0.64	54.927	28	01.2	32.12	26	01.2	F5	CZ	7021	P -47 3088
76	9.1E	9.0Z	5 56.695	-0.0018	12	-46 33 52.00	-0.001	12	0.66	56.778	36	03.8	51.96	36	03.8	B9	CZ	7023	P -46 3421
77	9.2E	8.5Z	6 7.487	-0.0015	12	-45 41 32.54	-0.004	12	0.65	7.554	36	04.5	32.37	36	04.5	K0	CZ	7027	P -45 3453
78		2.2H	6 9.310	-0.0020	02	-43 13 47.60	0.012	02	0.09	9.390	05	09.6	48.08	05	10.3	K5	F4	345	C -42 4990
79	9.0E	9.0Z	6 10.196	-0.0024	12	-44 21 15.89	0.004	12	0.73	10.312	45	01.2	16.10	45	01.2	B8	CZ	7028	P -44 3443
80	9.9E	9.0H	6 10.741	-0.0016	12	-42 35 7.78	-0.004	12	0.66	10.823	28	99.0	7.58	26	99.0	A0	CZ	7025	P -42 3365
81	7.9E	8.5Z	6 13.503	-0.0030	12	-40 52 19.60	0.021	12	0.85	13.658	63	99.2	20.66	57	99.2	F5	CZ	7026	P -40 3183
82	8.7E	9.0Z	6 15.270	-0.0008	12	-43 7 37.26	0.002	12	0.66	15.311	28	99.1	37.39	26	99.1	A0	CZ	7031D	P -42 3369
83	9.4E	9.0Z	6 17.941	-0.0011	12	-43 22 28.61	-0.004	12	0.74	17.996	45	00.2	28.43	45	00.2	G5	CZ	7033	P -43 3368
84	8.1E	8.5Z	6 18.499	-0.0013	12	-44 56 28.47	-0.001	12	0.65	18.563	28	00.2	28.43	26	00.2	B8	CZ	7035	P -44 3447
85	7.5E	7.5Z	6 23.406	0.0024	12	-41 13 21.33	-0.054	12	0.65	23.285	24	98.8	18.55	20	98.8	K0	CZ	7034	P -40 3187
86	9.2E	8.8Z	6 35.526	-0.0006	12	-47 56 3.57	-0.022	12	0.68	35.554	36	02.2	2.52	36	02.2	K0	CZ	7039	P -47 3098
87	8.6E	8.5Z	6 36.218	0.0005	12	-41 6 10.38	-0.011	12	0.85	36.193	63	99.2	9.80	57	99.2	A0	CZ	7037	P -40 3194
88	8.8E	9.0Z	6 37.845	-0.0013	12	-46 3 2.49	-0.013	12	0.65	37.905	36	04.5	1.90	36	04.5	B2	CZ	7038	P -45 3461
89	9.1E	9.0Z	6 53.924	-0.0022	12	-47 33 41.12	-0.009	12	0.68	54.029	36	02.2	40.69	36	02.2	A0	CZ	7044	P -47 3102
90	8.1E	8.5Z	6 54.943	-0.0002	12	-47 27 49.73	-0.023	12	0.68	54.954	36	02.2	48.63	36	02.2	A3	CZ	7046	P -47 3103
91	10.3E	9.0Z	6 59.945	-0.0019	12	-49 55 21.22	0.007	12	0.72	+ 0.033	45	02.7	21.56	45	02.7	G5	CZ	7049	P -49 2212
92	10.0E	9.0Z	7 1.653	-0.0014	12	-41 28 3.41	-0.000	12	0.65	1.725	26	99.0	3.39	24	99.0	A0	CZ	7043	P -41 3369
93	8.2E	9.0Z	7 7.425	0.0009	12	-43 8 31.72	-0.009	12	0.69	7.380	36	00.3	31.30	36	00.3	B8	CZ	7048	P -42 3398
94		8.5T	7 12.002	0.0005	20	-49 5 10.92	0.016	16	0.87	11.978	19	03.5	11.71	19	01.7	A0	GC	12651	C -48 4458
95	9.8E	9.5Z	7 31.910	-0.0008	12	-48 45 14.75	-0.006	12	0.67	31.948	36	02.9	14.49	36	02.9	A0	CZ	7055	P -48 2260
96	9.7E	9.6Z	7 33.977	-0.0011	12	-48 32 39.44	-0.012	12	0.67	34.028	36	02.9	38.87	36	02.9	B9	CZ	7057	P -48 2261
97	8.2E	9.0Z	7 35.403	0.0009	12	-43 6 17.47	-0.012	12	0.74	35.358	45	00.2	16.89	45	00.2	B2	CZ	7051	P -42 3406
98	9.1E	9.0Z	7 35.500	-0.0030	12	-43 34 34.10	-0.004	12	0.74	35.650	45	00.2	33.93	45	00.2	F0	CZ	7053	P -43 3393
99	8.9E	9.0Z	7 38.357	-0.0021	12	-47 31 43.54	-0.009	12	0.72	38.457	45	02.2	43.11	45	02.2	B9	CZ	7058D	P -47 3109
00	9.5E	9.5Z	7 39.298	-0.0011	12	-40 46 30.82	-0.007	12	0.85	39.354	63	99.2	30.45	57	99.2	A0	CZ	7052	P -40 3215

220900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 9H DM NUMBER
1		8.9T	9 7 39.869	-0.0015	17	-40 50 30.07	-0.005	13	0.76	39.939	21	03.3	29.80	19	99.5	A0	GC	12658	C -40 4971
2	9.5E	8.0Z	7 40.737	-0.0001	12	-44 21 45.36	-0.003	12	0.73	40.741	45	01.2	45.23	45	01.2	K2	CZ	7056	P -44 3467
3	8.9E	8.0Z	7 44.766	-0.0023	12	-48 1 3.91	0.008	12	0.72	44.876	45	02.2	4.29	45	02.2	G5	CZ	7062	P -47 3111
4	8.2E	8.7H	7 46.693	-0.0019	12	-45 19 20.04	-0.009	12	0.63	46.781	31	03.1	19.62	28	03.1	A0	CZ	7061	P -45 3476
5	10.7E	9.0Z	7 50.710	-0.0006	12	-42 26 42.64	-0.013	12	0.67	50.742	28	98.9	41.98	26	98.9	K5	CZ	7060	P -42 3408
6	8.2E	8.8Z	7 51.387	-0.0017	12	-41 10 26.24	-0.009	12	0.85	51.475	63	99.2	25.77	57	99.2	A0	CZ	7059	P -40 3221
7	9.0E	9.0Z	7 57.893	-0.0001	12	-48 22 31.17	-0.021	12	0.65	57.899	31	01.9	30.16	28	01.9	F5	CZ	7064	P -48 2268
8	9.4E	9.6Z	7 59.260	-0.0016	12	-47 33 28.45	0.002	12	0.72	59.337	45	02.2	28.55	45	02.2	A0	CZ	7063	P -47 3116
9	9.7E	9.0Z	8 2.985	-0.0016	12	-46 18 53.92	-0.010	12	0.70	3.058	45	04.7	53.47	45	04.7	K2	CZ	7067	P -46 3453
10		6.4T	8 4.086	0.0010	14	-49 13 11.00	-0.042	10	0.67	4.035	22	00.7	8.77	19	96.4	A3	GC	12663	C*-48 4471
11	7.9E	8.5Z	8 6.464	0.0000	12	-43 58 16.77	-0.016	12	0.74	6.464	45	00.2	16.00	45	00.2	A0	CZ	7066D	P*-43 3403
12		6.9T	8 8.410	-0.0019	11	-47 16 19.17	-0.011	09	0.44	8.487	15	09.8	18.70	15	06.9	B8	GC	12664	C -46 4968
13	9.3E	9.0Z	8 14.204	-0.0016	12	-43 43 13.92	0.001	12	0.74	14.283	45	00.2	13.98	45	00.2	A3	CZ	7069	P -43 3405
14	8.5E	9.4Z	8 20.575	-0.0022	12	-46 10 55.45	0.004	12	0.69	20.674	45	05.6	55.64	45	05.6	A0	CZ	7071	P -45 3482
15	8.5E	8.0Z	8 22.323	-0.0022	12	-48 0 7.91	-0.001	12	0.66	22.431	31	00.8	7.86	28	00.8	G5	CZ	7072	P -47 3120
16		7.2T	8 24.813	-0.0026	12	-49 5 6.81	-0.003	10	0.61	24.944	22	99.5	6.66	19	93.6	B8	GC	12670	C -48 4479
17		9.0T	8 27.617	-0.0039	20	-46 55 35.31	0.065	17	0.89	27.800	21	03.4	38.41	19	02.3	B8	GC	12671	C -46 4969
18	9.5E	9.0Z	8 39.190	-0.0019	12	-41 56 54.93	-0.001	12	0.75	39.286	45	99.7	54.88	45	99.7	K0	CZ	7076	P -41 3402
19	9.0E	9.0Z	8 40.829	-0.0006	12	-42 9 3.63	-0.019	12	0.67	40.860	28	98.8	2.67	26	98.8	F8	CZ	7078	P -41 3404
20	8.3E	8.5Z	8 44.811	-0.0009	12	-41 21 13.96	-0.010	12	0.67	44.858	28	98.7	13.43	26	98.7	A0	CZ	7079	P -41 3405
21	9.7E	9.8Z	8 46.150	-0.0018	12	-42 52 38.59	-0.014	12	0.74	46.240	45	00.2	37.92	45	00.2	A2	CZ	7080	P -42 3425
22	9.2E	9.5Z	8 50.349	-0.0015	12	-47 31 11.29	0.000	12	0.72	50.420	45	02.2	11.29	45	02.2	B9	CZ	7085	P -47 3126
23	9.6E	8.7H	8 52.972	-0.0002	12	-45 22 17.10	-0.018	12	0.69	52.980	45	05.6	16.31	45	05.6	K0	CZ	7083	P -45 3491
24	9.8E	9.5Z	8 53.119	-0.0013	12	-43 19 36.56	-0.014	12	0.66	53.185	28	99.2	35.88	26	99.2	A2	CZ	7082	P -43 3415
25	9.8E	9.9Z	8 59.377	-0.0002	12	-43 5 51.35	-0.006	12	0.74	59.387	45	00.2	51.08	45	00.2	A0	CZ	7087	P -42 3429
26		7.3T	9 6.088	-0.0017	13	-43 3 43.31	-0.055	10	0.65	6.175	17	97.7	40.28	18	94.4	A2	GC	12682	C -42 5038
27	8.5E	8.5Z	9 10.079	-0.0036	12	-41 2 27.77	0.032	12	0.85	10.263	63	99.2	29.38	57	99.2	G5	CZ	7089	P -40 3243
28		5.0T	9 15.413	-0.0007	07	-44 39 45.16	0.000	05	0.30	15.443	14	08.3	45.18	12	00.7	B5	GC	12688	C*-44 5206
29		7.8T	9 16.107	-0.0022	13	-43 3 52.26	0.018	10	0.62	16.214	18	00.3	53.26	19	95.8	F0	GC	12689	C -42 5040
30	8.4E	9.0Z	9 20.308	-0.0066	12	-43 50 49.37	0.006	12	0.74	20.636	45	00.2	49.68	45	00.2	F5	CZ	7092	P -43 3424
31	8.5E	8.0Z	9 22.153	-0.0055	12	-44 44 36.83	0.009	12	0.73	22.421	45	01.2	37.29	45	01.2	F0	CZ	7093	P -44 3499
32	8.7E	8.2Z	9 25.065	-0.0003	12	-49 2 32.94	-0.032	12	0.65	25.079	31	01.9	31.42	28	01.9	F2	CZ	7094	P -48 2291
33	8.8E	8.0Z	9 26.889	-0.0019	12	-49 31 12.00	-0.016	12	0.65	26.980	31	01.2	11.24	28	01.2	A0	CZ	7097	P -49 2252
34	9.3E	9.0Z	9 34.069	-0.0028	12	-45 47 29.44	0.014	12	0.69	34.193	45	05.6	30.07	45	05.6	A2	CZ	7098	P -45 3502
35	10.0E	9.5*	9 34.680	-0.0022	12	-44 6 42.84	-0.011	12	0.66	34.791	28	99.1	42.29	26	99.1	A2	CZ	7096	P -43 3426
36	7.4E	8.0Z	9 37.914	-0.0005	12	-41 23 54.98	-0.022	12	0.75	37.941	45	99.7	53.87	45	99.7	A2	CZ	7095	P -41 3422
37		5.9T	9 46.991	-0.0023	07	-46 22 41.11	0.008	07	0.33	47.090	15	07.7	41.48	14	04.8	B3	GC	12699	C*-46 4987
38	9.7E	9.5Z	9 48.173	-0.0007	12	-48 27 58.16	-0.005	12	0.71	48.207	45	03.2	57.93	45	03.2	A0	CZ	7105	P -48 2298
39	9.5E	9.0Z	9 54.453	-0.0006	12	-46 1 41.77	-0.004	12	0.63	54.482	31	03.1	41.59	28	03.1	A3	CZ	7106	P -45 3507
40	8.1E	8.3Z	9 56.535	-0.0017	12	-46 40 49.44	-0.005	12	0.70	56.612	45	04.7	49.21	45	04.7	A2	CZ	7107D	P*-46 3477
41	9.2E	9.0Z	9 57.708	-0.0024	12	-40 48 24.49	0.001	12	0.68	57.834	28	97.8	24.53	26	97.8	A5	CZ	7104	P -40 3254
42	10.0E	8.5Z	10 0.565	-0.0032	12	-48 34 3.45	0.002	12	0.71	0.714	45	03.2	3.54	45	03.2	K5	CZ	7110	P -48 2299
43	7.9E	8.0Z	10 4.335	-0.0014	12	-45 1 43.87	-0.014	12	0.66	4.406	31	00.2	43.18	28	00.2	B8	CZ	7108	P -44 3518
44	9.1E	9.0Z	10 5.742	-0.0089	12	-43 59 1.29	0.032	12	0.66	6.193	28	99.1	2.94	26	99.1	F5	CZ	7109	P -43 3441
45	9.2E	9.0Z	10 10.667	-0.0023	12	-43 51 6.24	0.002	12	0.74	10.780	45	00.2	6.36	45	00.2	F5	CZ	7111	P -43 3444
46	9.1E	9.0Z	10 21.631	-0.0001	12	-42 23 9.20	-0.009	12	0.74	21.637	45	00.2	8.76	45	00.2	A0	CZ	7113	P -42 3453
47	9.2E	9.2H	10 25.192	-0.0015	12	-45 15 17.90	-0.021	12	0.69	25.257	45	05.6	16.97	45	05.6	A0	CZ	7114	P -44 3525
48		7.1T	10 26.469	-0.0059	14	-45 38 32.38	-0.037	11	0.66	26.763	19	00.6	30.42	18	96.8	F5	GC	12714	C -45 4935
49			10 34.847	-0.0023	12	-43 34 15.85	0.015	12	0.74	34.962	45	00.2	16.62	45	00.2	M8	CZ	7117Y	P -43 3449
50	8.5E	8.8Z	10 36.003	0.0049	12	-40 19 26.99	-0.127	12	0.69	35.750	31	98.2	20.39	28	98.2	G0	CZ	7116	P -40 3263
51	8.2E	8.5Z	9 10 37.991	-0.0010	12	-43 5 11.18	-0.001	12	0.66	38.042	28	99.1	11.15	26	99.1	A0	CZ	7118	P -42 3458
52		5.7T	10 39.428	-0.0017	11	-43 24 25.34	-0.000	08	0.54	39.510	18	00.2	25.31	17	94.6	B8	GC	12719K	C*-43 5041
53	9.5E	9.0Z	10 45.525	-0.0020	12	-41 19 28.12	-0.004	12	0.75	45.627	45	99.7	27.90	45	99.7	A0	CZ	7120	P -41 3441
54	10.0E	9.8*	10 49.732	-0.0015	12	-47 59 2.35	0.002	12	0.64	49.805	28	01.1	2.45	26	01.1	A2	CZ	7121	P -47 3150
55	8.1E	9.0Z	10 58.303	-0.0010	12	-43 16 52.18	-0.007	12	0.74	58.353	45	00.2	51.86	45	00.2	A0	CZ	7122	P -42 3467
56	9.3E	9.1H	11 5.510	-0.0009	12	-40 21 41.83	0.001	12	0.85	5.557	63	99.2	41.86	57	99.2	F0	CZ	7123	P -40 3269
57	8.9E	8.5Z	11 10.349	-0.0007	12	-48 58 14.68	-0.019	12	0.71	10.382	45	03.2	13.80	45	03.2	A5	CZ	7125	P -48 2306
58	10.2E	9.9Z	11 15.899	-0.0014	12	-49 50 50.83	0.002	12	0.72	15.964	45	02.3	50.94	45	02.3	A0	CZ	7127	P -49 2267
59	9.4E	9.0Z	11 18.288	-0.0035	12	-48 36 59.68	0.019	12	0.71	18.451	45	03.2	+ 0.57	45	03.2	F8	CZ	7128	P -48 2308
60	10.1E	8.8Z	11 21.251	-0.0013	12	-49 41 44.66	-0.002	12	0.72	21.311	45	02.3	44.58	45	02.3	K0	CZ	7129	P -49 2269
61	9.5E	9.3Z	11 21.569	-0.0012	12	-41 56 18.64	-0.019	12	0.75	21.630	45	99.7	17.70	45	99.7	A5	CZ	7124	P -41 3451
62		6.1T	11 25.383	-0.0021	09	-42 4 1.46	0.051	07	0.38	25.475	14	05.6	3.92	14	01.8	K0	GC	12734	C -41 4904
63	8.7E	9.5Z	11 41.543	-0.0012	12	-44 22 26.67	-0.009	12	0.65	41.601	28	00.6	26.24	26	00.6	B9	CZ	7130	P -44 3544
64		6.5T	11 48.591	0.0038	13	-48 53 11.55	-0.033	11	0.65	48.401	19	00.2	9.88	15	98.7	K5	GC	12745	C -48 4525
65		5.9T	11 49.038	-0.0021	08	-47 7 52.42	0.001	06	0.32	49.121	14	10.8	52.47	12	04.9	B9	GC	12746	C -46 5010
66	8.0E	8.5Z	11 51.958	-0.0143	12	-42 6 7.54	-0.060	12	0.70	52.680	36	99.6	4.53	36	99.6	G0	CZ	7131	P -41 3459
67	8.4E	8.3*	12 2.556	-0.0018	12	-41 51 19.78	0.012	12	0.67	2.649	28	98.9	20.40	26	98.9	A5	CZ	7136	P -41 3461
68	10.2E	9.5H	12 10.206	-0.0032	12	-40 27 34.45	-0.021	12	0.69	10.374	31	98.2	33.34	28	98.2	K0	CZ	7137	P -40 3295
69	9.4E	9.5Z	12 10.764	-0.0018	12	-48 7 12.22	-0.002	12	0.68	10.850	36	02.1	12.12	36	02.1	A2	CZ	7141	P -47 3176
70	8.3E	8.5Z	12 14.854	-0.0018	12	-42 15 35.19	-0.021	12	0.66	14.948	26	98.8	34.12	24	98.8	F2	CZ	7138	P -41 3470
71	9.9E	9.8Z	12 16.022	-0.0007	12	-41 54 3.85	0.000	12	0.75	16.058	45	99.7	3.86	45	99.7	A3	CZ	7139	P -41 3471
72		5.9T	12 17.497	-0.0042	11	-43 56 17.72	0.000	07	0.42	17.671	15	08.7	17.73	14	04.5	B5	GC	12754	C -43 5068
73	8.6E	8.5Z	12 22.238	-0.0153	12	-44 51 34.37	0.082	12	0.68	22.980	36	01.5	38.37	36	01.5	F8	CZ	7144	P -44 3564
74	9.7E	9.5Z	12 22.438	-0.0015	12	-49 29 46.26	-0.015	12	0.72	22.510	45	02.3	45.56	45	02.3	F5	CZ	7146	P -49 2286
75	8.8E	7.8Z	12 23.311	-0.0011	12	-49 16 23.31	-0.007	12	0.72	23.363	45	02.3	22.99	45	02.3	K0	CZ	7147	P -48 2319
76	9.9E	10.0Z	12 23.937	-0.0002	12	-49 1 50.43	-0.003	12	0.71	23.946	45	03.2	50.31	45	03.2	A0	CZ	7148	P -48 2320
77	8.8E	9.0Z	12 26.861	-0.0010	12	-42 0 53.24	-0.007	12	0.67	26.913	28	98.9	52.89	26	98.9	F0	CZ	7143	P -41 3473
78		5.1T	12 32.407	-0.0025	07	-43 1 10.42	0.008	06	0.31	32.507	14	09.1	10.81	12	03.6	B3	GC	12759K	C*-42 5086
79	9.5E	9.0Z	12 34.134	-0.0012	12	-46 48 57.20	-0.001	12	0.69	34.187	45	05.6	57.16	45	05.6	B9	CZ	7151	P -46 3506
80	9.3E	9.7Z	12 35.575	-0.0017	12	-49 42 7.07	-0.010	12	0.72	35.654	45	02.3	6.61	45	02.3	A0	CZ	7157	P -49 2291
81	8.4E	8.6Z	12 36.449	-0.0017	12	-47 12 38.80	-0.006	12	0.67	36.535	31	00.1	38.51	31	00.1	B8	CZ	7154	P -46 3507
82	9.6E	9.5Z	12 39.400	-0.0009	12	-46 8 8.57	0.000	12	0.69	39.441	45	05.6	8.58	45	05.6	B8	CZ	7155	P -45 3547
83	7.8E	8.0Z	12 39.845	-0.0012	12	-41 41 3.02	-0.000	12	0.67	39.909	28	98.8	3.01	26	98.8	A5	CZ	7149	P -41 3478
84	9.4E	9.0Z	12 45.073	0.0037	12	-43 44 10.93	-0.032	12	0.67	44.883	28	98.8	9.31	26	98.8	K0	CZ	7156	P -43 3484
85	9.4E	9.1H	12 49.942	0.0004	12	-45 22 4.23	-0.013	12	0.69	49.923	45	05.6	3.66	45	05.6	B8	CZ	7159	P -45 3552
86	9.3E	9.0Z	12 50.478	-0.0018	12	-47 36 20.48	-0.019	12	0.71	50.562	45	03.1	19.60	45	03.1	F8	CZ	7160	C -47 3181
87		6.0T	12 52.052	-0.0018	16	-43 15 26.01	0.022	11	0.72	52.137	18	01.8	26.20	21	97.1	K0	GC	12769	C -42 5095
88	9.7E	9.7Z	12 59.585	-0.0009	12	-45 44 14.53	0.007	12	0.69	59.626	45	05.6	14.84	45	05.6	A0	CZ	7161	P -45 3556
89	9.2E	9.0Z	13 2.401	-0.0008	12	-44 25 2.62	0.001	12	0.73	2.439	45	01.2	2.69	45	01.2	B9	CZ	7162	P -44 3577
90	8.2	8.7W	13 4.461	-0.0007	13	-40 3 52.85	-0.001	13	0.26	4.470	15	36.3	52.84	21	36.3	A0	C8	4167	C -39 5314
91	9.6E	8.8Z	13 14.211	-0.0005	12	-43 13 26.53	-0.021	12	0.75	14.236	45	99.7	25.50	45	99.7	K0	CZ	7163	P -42 3503
92	10.2E	9.0Z	13 15.843	-0.0030	12	-49 45 3.51	0.012	12	0.72	15.984	45	02.3	4.09	45	02.3	A0	CZ	7167	P -49 2303
93	9.2E	9.0Z	13 17.782	-0.0004	12	-46 9 34.73	0.016	12	0.69	17.766	45	05.6	35.44	45	05.6	F8	CZ	7165	P -45 3563
94	10.2E	9.0Z	13 18.274	-0.0003	12	-49 44 19.34	0.001	12	0.72	18.287	45	02.3	19.40	45	02.3	A0	CZ	7170	P -49 2305
95	8.8E	8.5Z	13 20.089	-0.0028	12	-48 17 43.40	-0.006	12	0.65	20.203	31	01.9	43.11	28	01.9	B9	CZ	7168	P -47 3187
96	10.0E	9.8Z	13 20.309	-0.0009	12	-48 23 39.28	-0.010	12	0.71	20.351	45	03.2	38.81	45	03.2	A	CZ	7169	P -48 2329
97	9.6E	9.5Z	13 20.820	-0.0027	12	-41 1 19.54	-0.016	12	0.69	20.961	31	98.0	18.69	28	98.0	A0	CZ	7164	P -40 3325
98		6.3T	13 25.810	-0.0008	12	-45 20 48.20	-0.012	09	0.80	25.850	18	99.0	47.54	17	94.1	A0	GC	12782K	C*-45 4982
99	9.7E	9.3*	13 30.810	-0.0033	12	-42 33 35.47	0.005	12	0.67	30.980	28	98.8	35.73	26	98.8	F0	CZ	7172	P -42 3508
00	8.6E	9.0Z	13 36.853	-0.0014	12	-44 42 0.36	0.006	12	0.73	36.920	45	01.2	0.67	45	01.2	A0	CZ	7173	P -44 3593

221000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.0E	9.8Z	9 13 37.433	0.0009	12	-48 45 45.24	-0.017	12	0.71	37.391	45	03.2	44.47	45	03.2	A2	CZ	7176	P -48 2334
2	9.8E	9.3Z	13 45.479	-0.0021	12	-44 2 16.65	0.002	12	0.75	45.583	45	99.7	16.97	45	99.7	B8	CZ	7177	P -43 3503
3	9.8E	9.3Z	13 46.781	-0.0027	12	-46 38 59.42	-0.005	12	0.63	46.908	31	03.1	59.18	28	03.1	AO	CZ	7178	P -46 3584
4	9.8E	9.3Z	13 50.080	-0.0012	12	-47 16 24.52	-0.001	12	0.71	50.137	45	03.1	24.48	45	03.1	KO	CZ	7180	P -46 3527
5	9.8E	9.2Z	13 53.636	-0.0027	12	-45 48 22.51	-0.001	12	0.69	53.757	45	05.6	22.47	45	05.6	A3	CZ	7181	P -45 3577
6	9.8E	9.3Z	13 59.867	-0.0004	12	-42 48 15.28	-0.019	12	0.73	59.888	45	99.7	14.30	45	99.7	A2	CZ	7182	P -42 3514
7	9.8E	9.7Z	14 8.212	-0.0005	12	-48 48 38.73	0.000	12	0.73	8.241	45	01.2	38.77	45	01.2	A2	CZ	7185	P -48 2335
8	9.8E	9.4Z	14 11.653	-0.0019	12	-48 21 41.70	-0.010	12	0.73	11.747	45	01.2	41.21	45	01.2	AO	CZ	7187	P -48 2336
9	8.9E	7.3Z	14 13.281	-0.0008	12	-49 45 50.11	0.008	12	0.67	13.324	31	99.9	50.57	28	99.9	B	CZ	7188	P -49 2323
10		6.0T	14 14.089	0.0010	14	-44 41 21.06	0.007	12	0.70	14.041	18	01.1	21.44	21	97.7	B5	GC	12801	C -44 5305
11	8.9E	8.5Z	14 15.595	-0.0027	12	-43 27 52.12	-0.002	12	0.67	15.734	28	98.9	51.99	28	98.9	B8	CZ	7183	P -43 3507
12	8.8E	9.0Z	14 18.881	-0.0015	12	-43 20 25.42	-0.014	12	0.75	18.957	45	99.7	24.74	45	99.7	AO	CZ	7186	P -43 3508
13	9.9E	9.0Z	14 19.283	-0.0023	12	-48 28 37.99	-0.008	12	0.73	19.376	45	01.2	38.38	45	01.2	A3	CZ	7189	P -48 2337
14		5.0T	14 32.008	-0.0004	08	-44 3 22.03	-0.003	07	0.33	32.022	14	10.4	21.91	14	05.8	K5	GC	12808	C -43 5103
15	9.2E	8.8Z	14 33.628	-0.0011	12	-49 22 53.90	-0.006	12	0.74	33.682	45	00.2	53.62	45	00.2	A2	CZ	7193	P -49 2330
16	10.0E	9.0Z	14 41.904	-0.0010	12	-42 3 45.74	0.004	12	0.75	41.955	45	99.7	45.95	45	99.7	AO	CZ	7192	P -41 3506
17	9.9E	9.6Z	14 43.228	-0.0027	12	-43 42 21.90	0.000	12	0.75	43.364	45	99.7	22.93	45	99.7	F8	CZ	7194	P -43 3519
18	9.8E	9.0Z	14 46.208	-0.0020	12	-44 52 7.62	0.008	12	0.73	46.302	45	01.2	8.03	45	01.2	AO	CZ	7195	P -44 3616
19	8.8E	9.0Z	14 48.795	-0.0023	12	-44 13 29.12	-0.004	12	0.73	48.906	45	01.2	28.94	45	01.2	AO	CZ	7197	P -43 3525
20	10.3E	8.5Z	14 52.270	-0.0023	12	-41 18 31.23	0.010	12	0.67	52.389	28	98.7	31.72	28	98.7	K2	CZ	7196	P -40 3347
21	9.7E	9.7Z	14 56.643	-0.0015	12	-43 51 34.68	-0.006	12	0.75	56.717	45	99.7	34.40	45	99.7	A3	CZ	7198	C -43 3527
22		7.4T	14 57.778	0.0011	10	-49 22 7.02	0.011	08	0.41	57.732	15	09.2	7.54	15	04.6	F8	GC	12818	C -49 4273
23	9.1E	9.0Z	14 59.778	-0.0041	12	-41 44 43.25	0.009	12	0.75	59.985	45	99.7	43.71	45	99.7	KO	CZ	7199	P -41 3512
24	9.0E	9.1Z	15 4.150	-0.0029	12	-46 59 46.21	0.002	12	0.69	4.279	45	05.6	46.34	45	05.6	A5	CZ	7202	P -46 3546
25	8.0E	8.0Z	15 6.138	-0.0062	12	-41 6 35.52	-0.008	12	0.85	6.454	63	99.2	35.09	57	99.2	AO	CZ	7200	P -40 3350
26		7.0T	15 7.994	-0.0012	13	-44 48 4.80	0.004	11	0.64	8.055	19	99.7	6.10	18	96.4	AO	GC	12823	C -44 5319
27	8.7E	8.0Z	15 25.125	-0.0003	12	-47 31 30.18	0.006	12	0.65	25.139	31	01.5	30.48	28	01.5	KO	CZ	7208	P -47 3209
28	8.6E	9.0Z	15 26.531	-0.0025	12	-43 11 15.74	-0.009	12	0.67	26.659	28	98.8	15.30	26	98.8	A3	CZ	7205	P -42 3541
29	9.9E	9.0Z	15 26.716	-0.0012	12	-46 3 53.40	-0.009	12	0.63	26.774	31	03.1	52.98	28	03.1	B8	CZ	7206	P -45 3599
30	9.2E	9.4Z	15 31.278	-0.0025	12	-44 31 22.38	0.002	12	0.73	31.398	45	01.2	22.49	45	01.2	AO	CZ	7209	P -44 3628
31	10.0E	9.0Z	15 33.931	-0.0002	12	-41 36 8.00	0.007	12	0.67	33.942	28	98.8	8.33	28	98.8	G5	CZ	7207	P -41 3522
32	12.9E	11.0H	15 38.837	-0.0020	12	-43 29 10.68	0.010	12	0.75	38.939	45	99.7	11.20	45	99.7	A2	CZ	7211	P -43 3540
33	9.4E	9.5Z	15 39.375	-0.0028	12	-43 28 54.95	-0.001	12	0.75	39.517	45	99.7	54.93	45	99.7	A2	CZ	7212	P -43 3540
34	10.0E	9.0Z	15 57.010	-0.0022	12	-49 6 8.71	0.004	12	0.68	57.116	36	01.5	8.92	36	01.5	F8	CZ	7217	P -48 2348
35	9.2E	9.4H	15 58.120	-0.0019	12	-45 16 40.10	-0.008	12	0.69	58.203	45	05.6	39.75	45	05.6	A5	CZ	7215	P -44 3640
36	9.0E	9.0Z	15 59.615	-0.0029	12	-48 8 12.05	0.001	12	0.64	59.753	28	01.6	12.10	26	01.6	AO	CZ	7218	P -47 3212
37	9.2	9.2H	16 0.830	-0.0007	13	-40 7 20.61	-0.005	13	0.26	0.840	15	36.3	20.74	21	36.3	A2	GB	4200	C -39 5363
38	8.9E	7.8H	16 5.156	-0.0014	12	-45 24 52.39	0.000	12	0.69	5.217	45	05.6	52.40	45	05.6	AO	CZ	7219	P -45 3616
39	9.8E	9.5Z	16 6.545	-0.0004	12	-48 54 0.49	-0.003	12	0.65	6.565	28	00.9	0.37	26	00.9	AO	CZ	7222	P -48 2349
40	9.3E	9.0Z	16 6.954	-0.0025	12	-41 17 31.18	-0.009	12	0.75	7.081	45	99.7	30.72	45	99.7	A2	CZ	7216	P -40 3369
41		7.2T	16 10.299	-0.0034	14	-45 25 31.44	-0.009	11	0.67	10.460	22	02.5	30.97	21	97.0	B8	GC	12840	C -45 5025
42	9.6E	9.5Z	16 10.587	-0.0016	12	-49 41 40.98	-0.004	12	0.74	10.665	45	00.2	40.80	45	00.2	AO	CZ	7223	P -49 2356
43	10.7E	9.5H	16 12.880	-0.0011	12	-42 55 23.75	-0.011	12	0.67	12.936	28	98.8	23.21	26	98.8	A2	CZ	7220	P -42 3553
44	9.4E	9.0Z	16 24.844	-0.0039	12	-44 47 15.98	-0.023	12	0.69	25.034	36	01.2	14.67	36	01.2	F2	CZ	7224	P -44 3652
45	8.6E	8.6H	16 31.466	-0.0019	12	-45 37 59.69	-0.009	12	0.62	31.554	28	02.9	59.27	26	02.9	AO	CZ	7227	P -45 3626
46	9.5E	9.5Z	16 33.886	-0.0023	12	-46 58 11.90	0.003	12	0.65	33.972	36	04.4	12.04	36	04.4	AO	CZ	7229	P -46 3560
47	8.0E	9.0Z	16 34.383	-0.0023	12	-43 9 13.17	0.010	12	0.66	34.510	28	99.1	13.65	26	99.1	A2	CZ	7226	P -42 3555
48	9.2E	9.0Z	16 38.178	-0.0025	12	-44 47 42.64	0.007	12	0.69	38.300	36	01.2	43.00	36	01.2	B8	CZ	7230	P -44 3656
49	9.7E	9.1Z	16 38.423	-0.0021	12	-45 44 15.58	0.007	12	0.65	38.520	36	04.4	15.90	36	04.4	KO	CZ	7231	P -45 3628
50	9.1E	9.0Z	16 39.488	-0.0001	12	-49 42 35.06	-0.004	12	0.74	39.491	45	00.2	34.88	45	00.2	AO	CZ	7233	P -49 2362
51	8.3E	8.5Z	9 16 44.061	-0.0038	12	-44 24 15.17	0.004	12	0.65	44.248	28	00.4	15.38	26	00.4	AO	CZ	7232	P -44 3659
52	7.2E	7.9Z	16 59.746	-0.0021	12	-46 59 35.06	-0.004	12	0.62	59.845	28	02.9	34.89	26	02.9	B9	CZ	7238	P -46 3565
53	8.1E	7.5Z	17 1.103	-0.0012	12	-44 47 46.91	-0.017	12	0.69	1.161	36	01.2	46.09	36	01.2	KO	CZ	7236	P -44 3666
54	8.9E	9.0Z	17 1.942	-0.0034	12	-43 49 43.80	0.020	12	0.69	2.110	36	00.2	44.81	36	00.2	A3	CZ	7235	P -43 3564
55	8.1E	8.0Z	17 8.793	-0.0046	12	-41 15 22.40	-0.014	12	0.65	9.028	26	99.1	21.68	24	99.1	G5	CZ	7239	P -40 3394
56	8.7E	8.5Z	17 10.815	0.0000	12	-49 35 4.05	0.008	12	0.74	10.813	45	00.2	4.47	45	00.2	B9	CZ	7244	P -49 2371
57	9.2E	9.0Z	17 11.780	-0.0023	12	-49 37 54.35	0.007	12	0.74	11.892	45	00.2	54.72	45	00.2	AO	CZ	7245	P -49 2372
58	9.5E	9.6Z	17 12.808	-0.0017	12	-43 57 49.12	0.000	12	0.69	12.891	36	00.2	49.13	36	00.2	AO	CZ	7240	P -43 3569
59	10.4E	10.0H	17 14.032	-0.0011	12	-43 57 50.28	-0.004	12	0.69	14.085	36	00.2	50.09	36	00.2	AO	CZ	7241	P -43 3569
60		7.0T	17 15.371	-0.0207	16	-47 45 31.89	0.183	11	0.71	16.377	17	01.4	41.52	18	97.4	G5	GC	12864	C -47 4831
61	9.0E	9.0Z	17 17.365	-0.0026	12	-40 54 38.75	-0.017	12	0.85	17.487	63	99.2	37.87	57	99.2	A5	CZ	7242	P -40 3398
62	8.8E	8.1Z	17 19.819	-0.0039	12	-46 25 42.29	0.045	12	0.62	20.004	28	02.8	44.41	26	02.8	KO	CZ	7247	P -46 3568
63	8.4E	8.8Z	17 20.423	-0.0017	12	-49 51 32.19	0.009	12	0.67	20.507	31	99.9	32.65	28	99.9	A2	CZ	7249	P -49 2376
64	9.8E	9.6Z	17 31.455	-0.0010	12	-41 44 24.16	-0.002	12	0.75	31.506	45	99.7	24.07	45	99.7	B9	CZ	7248	P -41 3560
65	9.0E	9.0Z	17 32.760	-0.0025	12	-43 0 26.78	0.022	12	0.67	32.868	28	98.8	27.93	26	98.8	F2	CZ	7251	P -42 3577
66	9.7E	9.0Z	17 34.086	-0.0033	12	-48 45 57.43	0.033	12	0.68	34.256	36	01.5	59.05	36	01.5	F8	CZ	7254	P -48 2366
67	9.9E	9.9H	17 38.408	-0.0010	12	-48 14 0.91	-0.001	12	0.65	39.457	28	00.9	0.86	26	00.9	AO	CZ	7255	P -47 3232
68	9.2E	9.0Z	17 39.475	-0.0003	12	-41 34 45.72	-0.017	12	0.67	39.491	28	98.7	44.84	26	98.7	B8	CZ	7253	P -41 3561
69	9.2E	8.8Z	17 57.972	-0.0010	12	-47 24 35.49	-0.036	12	0.72	58.021	45	02.1	33.77	45	02.1	A2	CZ	7259	P -47 3234
70	9.2E	9.0Z	18 3.344	-0.0008	12	-41 47 15.88	-0.002	12	0.75	3.385	45	99.7	15.79	45	99.7	KO	CZ	7257	P -41 3574
71	10.1E	9.0Z	18 3.760	-0.0027	12	-41 52 32.15	0.007	12	0.75	3.897	45	99.7	32.51	45	99.7	A2	CZ	7258	P -41 3575
72	9.8E	9.9Z	18 4.686	-0.0017	12	-49 35 58.56	-0.001	12	0.74	4.748	45	00.2	58.53	45	00.2	AO	CZ	7260	P -49 2368
73		7.3T	18 13.511	-0.0003	15	-46 44 15.67	0.027	11	0.69	13.526	22	02.6	17.10	21	97.0	B8	GC	12887	C -46 5095
74	8.4E	8.0Z	18 18.155	-0.0023	12	-43 11 9.43	-0.009	12	0.75	18.271	45	99.7	9.00	45	99.7	KO	CZ	7261	P -42 3593
75	9.9E	9.9H	18 20.943	-0.0011	12	-43 30 4.12	-0.019	12	0.66	21.000	28	99.2	3.13	26	99.2	A2	CZ	7264	P -43 3589
76	8.8E	8.7Z	18 23.004	-0.0027	12	-41 13 41.59	-0.015	12	0.67	23.144	28	98.6	40.80	26	98.6	AO	CZ	7263	P -40 3417
77		6.6T	18 24.544	0.0020	13	-44 57 36.92	0.007	10	0.84	24.446	19	00.7	37.31	18	96.4	K0	GC	12891	C -44 5382
78	8.8E	8.5Z	18 33.899	-0.0042	12	-42 49 16.57	-0.011	12	0.75	34.110	45	99.7	16.03	45	99.7	KO	CZ	7267	P -42 3601
79	9.7E	9.0Z	18 35.589	-0.0017	12	-42 9 51.18	-0.015	12	0.67	35.677	28	98.8	50.43	26	98.8	A2	CZ	7268	P -41 3583
80	8.0E	8.5Z	18 41.282	-0.0033	12	-44 4 13.17	0.009	12	0.65	41.449	24	99.1	13.64	22	99.1	A2	CZ	7269	P -43 3595
81	8.9E	9.0Z	18 44.023	-0.0011	12	-43 42 15.36	-0.002	12	0.74	44.078	45	00.2	15.23	45	00.2	B9	CZ	7270	P -43 3596
82	9.7E	9.8Z	18 44.049	-0.0008	12	-49 22 34.05	-0.006	12	0.73	44.086	45	02.1	33.77	45	02.1	AO	CZ	7272	P -45 3686
83	9.8E	10.0Z	18 47.432	-0.0014	12	-42 50 42.34	0.005	12	0.75	47.502	45	99.7	42.57	45	99.7	A3	CZ	7271	P -42 3606
84		7.5T	18 47.996	-0.0000	17	-47 21 12.79	0.017	13	0.78	47.998	19	01.9	13.67	18	98.7	B8	GC	12906	C -47 4850
85	8.8E	8.2Z	18 50.313	-0.0015	12	-49 41 39.18	0.002	12	0.74	50.386	45	00.2	39.30	45	00.2	KO	CZ	7277	P -49 2397
86	9.4E	8.5Z	18 51.099	-0.0045	12	-41 8 17.90	-0.009	12	0.85	51.324	63	99.2	17.43	57	99.2	KO	CZ	7273	P -40 3423
87	9.2E	8.5Z	18 54.271	-0.0018	12	-42 52 10.82	-0.002	12	0.75	54.361	45	99.7	10.69	45	99.7	K2	CZ	7274	P -42 3608
88	8.3E	8.0Z	18 56.643	-0.0002	12	-42 36 54.68	-0.036	12	0.67	56.654	28	98.6	52.74	26	98.6	F5	CZ	7276	P -42 3609
89	7.6E	7.5Z	19 12.699	-0.0032	12	-44 49 43.45	0.017	12	0.73	13.053	45	01.7	44.25	45	01.7	A2	CZ	7280	P -44 3703
90		9.9T	19 13.285	-0.0021	18	-45 47 24.42	0.000	18	0.86	13.361	24	05.1	24.43	24	04.8	B9	GC	12915	C -45 5075
91	8.9E	8.5Z	19 15.089	-0.0011	12	-49 22 50.63	0.002	12	0.74	15.144	45	00.2	50.75	45	00.2	A3	CZ	7286	P -49 2399
92	9.4E	9.0Z	19 15.289	-0.0051	12	-42 1 39.20	-0.010	12	0.75	15.527	45	99.7	38.71	45	99.7	F5	CZ	7279	P -41 3598
93	9.8E	9.0Z	19 18.587	-0.0042	12	-41 39 30.11	-0.005	12	0.75	18.798	45	99.7	29.84	45	99.7	F2	CZ	7281	P -41 3599
94		8.1T	19 18.701	-0.0021	12	-45 47 41.65	-0.010	12	0.66	18.807	18	00.3	41.14	21	98.1	F2	GC	12920K	C -45 5079
95	11.9E	11.3Z	19 19.472	-0.0010	12	-45 47 57.45	-0.002	12	0.73	19.521	45	02.1	57.36	45	02.1	F2	CZ	7284	P -45 3677
96	8.1E	7.5Z	19 24.217	-0.0039	12	-42 36 40.24	-0.014	12	0.75	24.414	45	99.7	39.55	45	99.7	KO	CZ	7285	P -42 3618
97	8.4E	8.9Z	19 30.476	-0.0012	12	-47 26 22.53	-0.019	12	0.72	30.535	45	02.1	21.62	45	02.1	B8	CZ	7288	P -47 3256
98	9.2E	9.0Z	19 39.363	-0.0030	12	-40 53 0.88	-0.013	12	0.85	39.516	63	99.2	0.20	57	99.2	AO	CZ	7287	P -40 3439
99	9.3E	8.8Z	19 41.271	-0.0005	12	-46 59 48.04	0.000	12	0.73	41.295	45	02.1	48.04	45	02.1	KO	CZ	7289	P -46 3593
00	7.8E	7.8Z	19 53.565	-0.0041	12	-47 6 22.82	0.010	12	0.66	53.767	31	00.7	23.33	28	00.7	A2	CZ	7292	P -46 3596

221100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 9H DM NUMBER
1	9.1E	9.0Z	9 19 54.632	-0.0027	12	-40 33 52.84	-0.014	12	0.85	54.770	63	99.2	52.12	57	99.2	A0	CZ	7290	P -40 3445
2	8.7E	8.0Z	19 54.632	-0.0019	12	-49 30 53.35	0.007	12	0.67	54.725	31	99.9	53.72	28	99.9	G5	CZ	7294	C -49 2411
3		5.8T	19 55.537	0.0042	09	-41 58 46.83	-0.062	07	0.37	55.363	12	08.7	45.96	12	03.6	M0	GC	12926	C -41 5023
4	9.0E	9.0Z	19 56.911	-0.0026	12	-49 27 1.90	-0.016	12	0.74	57.041	45	00.2	1.13	45	00.2	A5	CZ	7296	P -49 2412
5	8.3E	7.8Z	20 12.425	0.0006	12	-46 32 42.70	0.018	12	0.73	12.397	45	02.1	43.57	45	02.1	G5	CZ	7300	P -46 3599
6	9.8E	9.8H	20 13.703	-0.0012	12	-45 25 43.15	0.005	12	0.66	13.761	31	00.7	43.40	28	00.7	A2	CZ	7298	P -45 3693
7	8.9E	9.2Z	20 33.071	0.0005	12	-47 15 10.35	-0.033	12	0.72	33.048	45	02.1	8.78	45	02.1	F0	CZ	7304	P -46 3607
8	8.8E	9.5Z	20 33.129	-0.0000	12	-42 56 6.53	-0.014	12	0.75	33.129	45	99.7	5.84	45	99.7	A2	CZ	7301	P -42 3638
9		6.0T	20 34.301	-0.0002	08	-45 50 0.54	0.013	06	0.36	34.311	15	05.5	1.19	12	00.7	G5	GC	12939	C -45 5099
10	8.0E	8.5Z	20 35.106	0.0005	12	-43 53 15.77	-0.016	12	0.74	35.079	45	00.2	14.98	45	00.2	A0	CZ	7302	P -43 3622
11	9.0E	9.0Z	20 36.536	-0.0016	12	-46 38 21.26	0.001	12	0.73	36.613	45	02.1	21.31	45	02.1	B9	CZ	7305	P -46 3608
12	8.8E	8.8Z	20 40.912	-0.0029	12	-46 37 57.34	0.016	12	0.73	41.051	45	02.1	58.11	45	02.1	B9	CZ	7306	P -46 3609
13	8.7E	8.7Z	20 49.527	-0.0027	12	-49 12 34.77	0.008	12	0.74	49.661	45	00.2	35.18	45	00.2	A5	CZ	7309	P -48 2398
14	9.3E	9.0Z	20 52.318	0.0049	12	-40 32 58.39	-0.072	12	0.68	52.062	28	97.7	54.61	26	97.7	G5	CZ	7307	P -40 3465
15	8.9E	9.0Z	20 58.219	-0.0012	12	-49 3 33.56	-0.002	12	0.67	58.280	31	99.8	33.48	28	99.8	A0	CZ	7310	P -48 2400
16	9.9E	9.6Z	21 2.817	-0.0003	12	-49 35 38.80	0.010	12	0.74	2.830	45	00.2	39.31	45	00.2	F5	CZ	7312	P -49 2421
17	8.4E	8.5Z	21 10.660	-0.0033	12	-47 6 8.09	0.005	12	0.68	10.821	36	01.4	8.34	36	01.4	F0	CZ	7313	P -46 3613
18	8.7E	8.5Z	21 11.126	-0.0018	12	-47 27 31.91	-0.007	12	0.65	11.216	28	00.6	31.57	26	00.6	F5	CZ	7314	P -47 3270
19	8.9E	8.5Z	21 17.053	-0.0018	12	-48 50 36.13	-0.016	12	0.74	17.143	45	00.2	35.35	45	00.2	F0	CZ	7316	P -48 2406
20	8.0E	8.0Z	21 19.556	-0.0030	12	-44 45 0.48	0.010	12	0.65	19.705	28	99.9	1.00	26	99.9	A0	CZ	7315	P -44 3732
21	8.2E	8.8Z	21 32.019	-0.0022	12	-43 23 11.85	-0.009	12	0.65	32.132	26	99.2	11.41	24	99.2	A2	CZ	7318	P -43 3631
22	9.5E	9.0Z	21 35.805	-0.0034	12	-46 39 44.34	0.009	12	0.68	35.970	36	01.4	44.78	36	01.4	F5	CZ	7324	P -46 3616
23	9.4E	9.0Z	21 37.790	-0.0017	12	-48 54 18.30	0.000	12	0.74	37.875	45	00.2	18.32	45	00.2	A3	CZ	7328	P -48 2412
24	9.4E	9.0Z	21 38.131	-0.0023	12	-43 41 38.98	0.005	12	0.66	38.249	28	99.4	39.21	26	99.4	G5	CZ	7320	P -43 3636
25	9.7E	9.5Z	21 38.213	-0.0009	12	-49 22 39.18	-0.001	12	0.74	38.257	45	00.2	39.15	45	00.2	A0	CZ	7329	P -49 2430
26		6.6T	21 39.095	-0.0002	07	-48 4 19.07	-0.015	06	0.30	39.103	12	07.9	18.41	10	06.0	B5	GC	12968	C*-47 4890
27	9.0E	9.0Z	21 40.297	0.0005	12	-46 3 18.11	-0.003	12	0.65	40.274	28	00.1	17.97	26	00.1	A2	CZ	7326	P -45 3716
28	9.7E	9.5*	21 41.506	-0.0034	12	-42 34 7.22	0.003	12	0.65	41.680	26	99.2	7.38	24	99.2	F8	CZ	7323	P -42 3657
29	9.1E	8.6Z	21 41.716	-0.0033	12	-41 21 35.88	-0.026	12	0.70	41.885	36	99.2	34.54	36	99.2	A2	CZ	7321	P -41 3648
30	8.7E	9.0Z	21 42.750	-0.0025	12	-42 2 31.76	-0.001	12	0.67	42.879	28	98.7	31.72	26	98.7	A2	CZ	7325	P -41 3651
31		6.6T	21 51.160	-0.0024	15	-46 41 36.09	-0.004	10	0.67	51.278	19	01.0	35.88	18	96.4	B9	GC	12976	C -46 5146
32	9.6E	9.5Z	21 53.174	-0.0010	12	-40 51 9.90	-0.018	12	0.76	53.225	45	98.7	8.96	45	98.7	A0	CZ	7331	P -40 3482
33	9.3E	8.5Z	21 58.003	-0.0075	12	-40 53 10.94	-0.024	12	0.76	58.388	45	98.7	9.70	45	98.7	G5	CZ	7332	P -40 3486
34	8.1E	8.5Z	22 2.305	-0.0015	12	-46 50 38.32	-0.002	12	0.68	2.379	36	01.4	38.23	36	01.4	A0	CZ	7336	P -46 3624
35	8.9E	8.5Z	22 3.722	-0.0082	12	-40 52 11.10	-0.010	12	0.68	4.148	28	98.1	10.57	26	98.1	G0	CZ	7334	P -40 3488
36	10.2E	9.0Z	22 6.348	-0.0008	12	-41 39 35.76	-0.042	12	0.67	6.390	28	98.7	33.59	26	98.7	K0	CZ	7335	P -41 3663
37	8.9E	9.6H	22 11.669	-0.0007	12	-45 15 28.30	0.006	12	0.69	11.702	36	00.7	28.60	36	00.7	A0	CZ	7337	P -44 3747
38	10.1E	9.5*	22 18.039	-0.0014	12	-43 10 2.24	-0.014	12	0.66	18.110	28	99.0	1.55	26	99.0	A0	CZ	7338	P -42 3663
39		8.0T	22 30.159	-0.0014	18	-43 40 1.37	0.018	13	0.77	30.222	24	05.3	2.23	24	02.7	A0	GC	12986	C -43 5250
40	9.3E	9.0Z	22 41.291	-0.0047	12	-48 26 16.05	0.000	12	0.67	41.527	31	99.8	16.05	28	99.8	F5	CZ	7344	P -48 2419
41	9.8E	8.9H	22 44.687	-0.0036	12	-40 28 7.27	-0.002	12	0.86	44.875	63	98.3	7.15	57	98.3	K0	CZ	7342	P -40 3503
42	9.8E	9.0Z	22 45.845	-0.0030	12	-43 2 48.11	0.005	12	0.74	45.995	45	00.2	48.34	45	00.2	G0	CZ	7343	P -42 3671
43	8.5E	8.5Z	23 8.027	-0.0039	12	-48 16 9.12	-0.005	12	0.74	8.221	45	00.2	8.88	45	00.2	A5	CZ	7351	P -47 3299
44	9.7E	8.1H	23 10.048	-0.0017	12	-45 9 35.21	-0.019	12	0.68	10.135	31	99.2	34.24	28	99.2	M8	CZ	7349	P -44 3761
45	8.7E	8.5Z	23 11.668	-0.0009	12	-42 2 11.01	0.012	12	0.67	11.715	28	98.3	11.64	26	98.3	F5	CZ	7347D	P -41 3681
46		6.5T	23 14.783	-0.0026	15	-43 45 38.62	0.030	10	0.67	14.909	22	01.9	40.28	21	95.0	M8	GC	12996	C -43 5262
47	9.2E	8.5Z	23 16.764	-0.0026	12	-43 26 8.60	-0.005	12	0.74	16.893	45	00.7	8.38	45	00.7	K0	CZ	7354	P -43 3666
48	9.8E	9.5Z	23 17.356	-0.0024	12	-42 17 39.27	-0.017	12	0.67	17.480	28	98.9	38.41	26	98.9	A0	CZ	7352	P -41 3686
49	8.8E	8.5Z	23 22.863	-0.0027	12	-40 42 18.03	0.008	12	0.86	23.004	63	98.3	18.43	57	98.3	A0	CZ	7355	P -40 3519
50	9.2E	9.0Z	23 23.918	-0.0003	12	-48 19 10.10	-0.010	12	0.74	23.933	45	00.2	9.60	45	00.2	A2	CZ	7360	P -47 3304
51	9.3E	9.0*	9 23 24.795	-0.0030	12	-40 27 36.29	-0.007	12	0.68	24.953	28	97.8	35.91	26	97.8	A0	CZ	7356	P -40 3521
52	10.0E	9.0Z	23 25.911	-0.0018	12	-41 9 17.91	-0.018	12	0.86	26.004	63	98.3	16.97	57	98.3	G0	CZ	7357	P -40 3523
53		7.0T	23 26.817	-0.0041	16	-46 43 36.92	0.014	12	0.73	27.020	19	00.9	37.66	18	97.5	K0	GC	12998	C -46 5169
54	9.2E	9.8Z	23 28.427	-0.0015	12	-47 50 6.58	-0.010	12	0.73	28.500	45	01.2	6.09	45	01.2	K0	CZ	7362	P -47 3305
55	8.6	8.8W	23 28.820	-0.0022	10	-40 0 34.87	-0.002	10	0.23	28.850	15	36.3	34.84	21	36.3	A5	C8	4287	C -39 5491
56	8.9E	8.5Z	23 33.248	-0.0018	12	-48 3 26.29	0.011	12	0.73	33.336	45	01.2	26.82	45	01.2	B9	CZ	7365	P -47 3307
57	9.3E	9.0Z	23 35.017	-0.0014	12	-46 45 44.41	-0.006	12	0.73	35.086	45	01.1	44.12	45	01.1	G5	CZ	7364	P -46 3640
58		7.3T	23 41.080	-0.0037	14	-40 5 50.28	0.011	13	0.71	41.261	21	01.0	50.83	19	98.5	K2	GC	13005	C*-39 5494
59	9.7E	9.5Z	23 47.379	-0.0017	12	-40 53 19.32	-0.003	12	0.86	47.468	63	98.3	19.15	57	98.3	B9	CZ	7366	P -40 3528
60	9.5E	9.0Z	23 48.371	-0.0001	12	-45 37 15.78	-0.002	12	0.74	48.375	45	00.1	15.68	45	00.1	A3	CZ	7368	P -45 3739
61		9.6T	23 49.141	-0.0114	26	-45 22 40.13	-0.037	26	1.18	49.657	21	04.7	38.46	21	04.7	A0	GC	13009	C*-45 5140
62	9.0E	8.8Z	23 53.917	-0.0038	12	-49 21 39.83	-0.006	12	0.67	54.108	31	99.9	39.55	28	99.9	A2	CZ	7373	P -49 2459
63	10.7E	10.0H	24 5.610	-0.0017	12	-43 46 7.34	-0.002	12	0.74	5.693	45	00.7	7.26	45	00.7	F5	CZ	7374	P -43 3677
64	10.4E	9.6Z	24 5.950	-0.0020	12	-43 45 57.56	0.006	12	0.74	6.048	45	00.7	57.87	45	00.7	F5	CZ	7375	P -43 3677
65		7.5T	24 20.469	-0.0053	16	-47 32 41.38	-0.100	11	0.69	20.721	22	02.5	36.35	18	99.7	K0	GC	13025	C -47 4935
66		6.8T	24 28.410	-0.0035	14	-42 2 2.57	-0.029	11	0.69	28.584	21	00.0	0.99	18	95.3	A0	GC	13029	C -41 5091
67		6.4T	24 30.170	0.0016	11	-40 17 3.63	-0.001	06	0.52	30.086	18	97.2	3.55	17	87.1	A3	GC	13032	C -39 5507
68	8.2E	8.5Z	24 34.778	0.0003	12	-45 54 28.58	-0.011	12	0.67	34.764	31	99.4	28.03	28	99.4	A2	CZ	7380	P -45 3749
69	9.2E	9.0Z	24 37.896	-0.0007	12	-46 11 14.58	-0.010	12	0.74	37.932	45	00.1	14.08	45	00.1	F5	CZ	7381	P -45 3750
70	10.2E	9.5*	24 42.762	-0.0026	12	-47 20 35.70	-0.015	12	0.66	42.893	31	00.2	34.96	28	00.2	A2	CZ	7387	P -47 3327
71	9.0E	9.0Z	24 44.461	-0.0034	12	-48 49 10.02	0.004	12	0.74	44.630	45	00.2	10.24	45	00.2	A0	CZ	7388	P -48 2449
72	11.5E	10.2H	24 46.259	-0.0026	12	-44 1 35.83	0.006	12	0.74	46.386	45	00.7	36.13	45	00.7	A0	CZ	7385	P -43 3688
73		7.4T	24 47.303	-0.0016	10	-44 1 19.76	-0.005	08	0.42	47.371	15	07.8	19.54	14	04.1	A0	GC	13038	C -43 5284
74	9.5E	9.0Z	24 47.339	0.0028	12	-43 21 31.48	-0.040	12	0.74	47.201	45	00.7	29.53	45	00.7	G0	CZ	7384	P -43 3687
75	8.6E	9.0Z	24 47.543	-0.0015	12	-42 51 5.46	-0.011	12	0.74	47.617	45	00.2	4.93	45	00.2	B9	CZ	7383	P -42 3704
76	8.4E	9.0Z	24 49.617	0.0005	12	-45 54 49.95	0.001	12	0.74	49.592	45	00.1	50.01	45	00.1	A2	CZ	7389	P -45 3751
77		7.0T	25 12.446	-0.0033	14	-48 28 35.24	-0.006	11	0.67	12.607	19	01.2	34.92	19	97.1	B9	GC	13046	C -48 4707
78	9.2E	9.3Z	25 25.395	-0.0029	12	-48 13 55.79	0.006	12	0.74	25.540	45	00.2	56.08	45	00.2	F8	CZ	7398	P -47 3333
79	9.8E	9.5Z	25 25.799	-0.0017	12	-44 15 22.98	0.013	12	0.68	25.884	31	99.2	23.65	28	99.2		CZ	7397	P -43 3699
80	9.8E	9.2Z	25 27.713	-0.0023	12	-41 26 41.04	-0.005	12	0.75	27.830	45	99.3	40.77	45	99.3	F8	CZ	7396	P -41 3723
81		7.6T	25 28.193	-0.0007	18	-48 37 41.39	-0.001	12	0.78	28.224	22	03.5	41.36	21	97.5	B8	GC	13053	C -48 4712
82	7.9E	8.5Z	25 31.980	-0.0044	12	-48 5 14.18	0.014	12	0.73	32.174	45	01.2	14.87	45	01.2	F0	CZ	7401	P -47 3335
83		7.2T	25 50.577	-0.0021	13	-42 21 34.95	0.015	11	0.67	50.682	22	99.6	35.78	19	95.0	A2	GC	13064K	C -42 5301
84	8.8E	9.0Z	25 50.677	0.0007	12	-43 25 9.04	-0.019	12	0.74	50.643	45	00.7	8.13	45	00.7	A3	CZ	7406	P -43 3706
85	10.1E	8.5Z	25 50.989	-0.0038	12	-41 23 57.45	-0.000	12	0.67	51.187	28	98.3	57.44	26	98.3	K5	CZ	7403	P -41 3730
86	10.1E	8.5Z	25 53.151	-0.0046	12	-40 58 55.00	-0.007	12	0.86	53.390	63	98.3	54.62	57	98.3	K2	CZ	7405	P -40 3562
87	9.7E	9.5Z	25 54.487	-0.0003	12	-45 48 7.36	-0.002	12	0.74	54.502	45	00.1	7.27	45	00.1	A2	CZ	7407	P -45 3764
88		9.2T	28 2.023	0.0003	22	-46 27 28.70	-0.028	20	1.00	2.011	21	04.0	27.39	21	03.4	A0	GC	13070	C -46 5198
89	9.9E	9.0Z	28 8.288	-0.0029	12	-41 2 42.87	0.005	12	0.86	8.438	63	98.3	43.11	57	98.3	G5	CZ	7408	P -40 3568
90	9.8E	9.0*	28 9.828	-0.0028	12	-42 53 31.82	0.001	12	0.66	9.970	28	99.2	31.89	26	99.2	F0	CZ	7410	P -42 3722
91	10.3E	8.5Z	28 13.632	-0.0015	12	-41 59 34.24	-0.001	12	0.67	13.911	28	98.3	34.19	26	98.3	K0	CZ	7411	P -41 3739
92	9.3E	8.5Z	28 26.012	-0.0017	12	-48 54 18.69	-0.009	12	0.64	26.095	28	01.2	18.27	26	01.2	G5	CZ	7415	P -48 2467
93	9.9E	9.4Z	28 26.061	-0.0011	12	-42 51 48.20	-0.007	12	0.74	26.116	45	00.2	47.83	45	00.2	A0	CZ	7413	P -42 3729
94	9.8E	9.0Z	28 31.509	-0.0020	12	-45 32 44.93	-0.002	12	0.68	31.605	36	01.4	44.84	36	01.4	F0	CZ	7416	P -45 3773
95	9.2E	8.5Z	28 34.781	-0.0016	12	-41 15 30.59	-0.003	12	0.75	34.863	45	99.3	30.42	45	99.3	K0	CZ	7414	P -40 3577
96		7.0T	28 35.581	-0.0001	14	-49 28 7.42	-0.041	12	0.89	35.585	19	00.6	5.26	18	96.8	F2	GC	13079	C -49 4417
97	11.1E	9.0Z	28 40.137	-0.0016	12	-49 16 6.93	-0.015	12	0.73	40.215	45	01.3	6.22	45	01.3	F5	CZ	7419	P -48 2474
98	10.3E	9.2Z	28 41.236	-0.0007	12	-49 16 5.95	-0.035	12	0.73	41.270	45	01.3	4.27	45	01.3	F5	CZ	7420	P -48 2474
99		7.8T	28 42.102	-0.0032	14	-45 16 42.74	-0.002	11	0.67	42.257	22	01.4	42.64	19	95.1	B5	GC	13083K	C*-44 5503
00		7.8T	28 47.850	-0.0018	16	-45 16 51.27	0.010	11	0.70	47.934	22	03.0	51.81	21	96.5	B8	GC	13086	C -44 5505

221200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 9H DM NUMBER
1	8.6E	9.0Z	9 26 51.470	-0.0000	12	-48 15 35.16	-0.041	12	0.63	51.470	26	01.2	33.18	24	01.2	F0	CZ	7424	P -47 3352
2	9.7E	9.0Z	26 34.968	-0.0047	12	-49 17 37.51	0.020	12	0.73	35.197	45	01.3	38.50	45	01.3	A0	CZ	7426	P -48 3477
3	8.7E	8.9Z	26 35.444	0.0074	12	-43 35 23.71	-0.146	12	0.65	35.072	28	98.6	16.37	24	99.6	F8	CZ	7422	P -43 3722
4	9.7E	9.2Z	26 58.002	-0.0051	12	-47 58 32.64	0.007	12	0.68	58.247	36	01.9	32.88	36	01.9	F0	CZ	7427	P -47 3353
5	8.8E	8.4N	26 59.705	-0.0015	12	-40 28 35.52	-0.011	12	0.86	59.763	63	98.3	34.93	57	98.3	G5	CZ	7423	P -40 3586
6	9.8E	8.5Z	27 2.776	-0.0080	12	-42 35 22.38	-0.017	12	0.65	2.881	26	99.5	21.53	24	99.5	G5	CZ	7425	P -42 3730
7	9.8E	8.5Z	27 5.210	-0.0019	12	-47 12 0.29	0.003	12	0.68	5.301	36	02.1	0.43	36	02.1	F0	CZ	7429	P -46 3674
8	9.8E	9.0Z	27 8.610	-0.0006	12	-43 29 11.75	-0.006	12	0.69	8.640	36	00.6	11.47	36	00.6		CZ	7428	P -43 3725
9	7.9E	7.9Z	27 13.727	-0.0021	12	-44 34 55.25	0.018	12	0.66	13.832	28	99.4	56.08	28	99.4	K0	CZ	7431	P -44 3603
10	8.8E	8.5Z	27 14.235	-0.0043	12	-48 4 7.48	0.019	12	0.64	14.445	28	01.0	8.42	28	01.0	A2	CZ	7433	P -47 3350
11	9.8E	9.5Z	27 18.881	-0.0019	12	-40 33 9.92	-0.000	12	0.86	18.980	63	98.3	9.91	57	98.3	F5	CZ	7430	P -40 3583
12	10.1E	9.0Z	27 22.988	-0.0012	12	-42 5 48.38	-0.011	12	0.75	23.051	45	99.3	47.83	45	99.3	A3	CZ	7432	P -41 3736
13		7.2T	27 25.575	-0.0108	17	-44 19 12.04	-0.021	13	0.77	28.091	22	02.7	10.98	19	99.2	F3	GC	13097	C -43 5388
14		6.9T	27 27.239	-0.0002	15	-42 58 15.02	-0.012	12	0.89	27.247	22	00.3	12.42	21	97.9	F3	GC	13098	C -42 5389
15	9.9E	9.5Z	27 31.005	-0.0010	12	-42 48 11.08	-0.009	12	0.74	31.055	45	00.2	10.87	45	00.2		CZ	7436	P -42 3746
16		7.0T	27 35.382	-0.0110	17	-44 18 46.15	0.000	13	0.78	35.914	19	01.7	46.16	18	98.6	F5	GC	13107	C -43 5332
17	8.4E	8.5Z	27 36.870	-0.0038	12	-41 41 25.16	0.004	12	0.67	37.067	28	98.3	25.34	28	98.3	F2	CZ	7438	P -41 3761
18	9.0E	9.5Z	27 37.667	-0.0088	12	-40 48 29.57	-0.000	12	0.86	37.812	63	98.3	29.55	57	98.3		CZ	7437	P -40 3597
19		7.4T	27 45.901	-0.0017	12	-48 29 39.98	-0.014	10	0.62	45.988	22	00.2	39.20	19	99.9	G5	GC	13113	C -48 4748
20	8.9E	9.0Z	27 47.070	-0.0009	12	-46 14 33.28	-0.004	12	0.86	47.115	31	00.8	33.08	28	00.8	A0	CZ	7441	P -45 3791
21	8.4E	8.3Z	27 55.344	-0.0041	12	-40 48 40.95	-0.017	12	0.86	55.557	63	98.3	40.05	57	98.3	F2	CZ	7443	P -40 3602
22	9.4E	9.3Z	27 55.687	-0.0012	12	-48 22 51.14	0.005	12	0.73	55.746	45	01.8	51.29	45	01.8	A0	CZ	7450	P -48 3480
23		7.5T	27 56.171	-0.0058	16	-43 44 19.58	0.010	11	0.71	56.444	22	03.0	20.13	21	97.2	A2	GC	13119	C -43 5337
24	8.3E	8.2Z	27 59.585	-0.0001	12	-43 0 5.36	-0.004	12	0.67	59.590	28	98.9	4.16	28	98.9	A0	CZ	7447	P -42 3755
25	8.0E	7.5Z	28 0.302	-0.0005	12	-44 41 19.29	-0.042	12	0.75	0.326	45	99.2	17.16	45	99.2	F2	CZ	7449	P -44 3615
26	9.4	7.6M	28 18.202	0.0016	13	-40 7 33.47	-0.004	13	0.86	18.180	15	36.3	33.14	21	36.3	K5	C8	4331	C -39 5572
27	10.0E	9.5Z	28 21.535	-0.0010	12	-46 43 26.80	-0.001	12	0.66	21.585	31	00.8	26.76	28	00.8	A0	CZ	7452	P -46 3680
28	8.0E	8.0Z	28 25.997	-0.0019	12	-44 38 22.82	-0.006	12	0.75	26.091	45	99.2	22.52	45	99.2	G0	CZ	7453	P -44 3621
29	9.1E	9.0Z	28 32.219	-0.0014	12	-46 35 34.99	0.011	12	0.72	32.287	45	02.2	35.52	45	02.2	A2	CZ	7457	P -46 3692
30	8.7E	8.0Z	28 36.154	-0.0020	12	-44 39 28.06	0.002	12	0.75	36.254	45	99.2	28.18	45	99.2	F2	CZ	7458	P -44 3624
31	9.3E	9.0Z	28 36.484	-0.0084	12	-41 56 23.08	-0.003	12	0.75	36.607	45	99.3	22.94	45	99.3	G0	CZ	7455	P -41 3781
32	9.4E	9.3Z	28 36.763	-0.0084	12	-40 58 57.25	-0.010	12	0.86	36.888	63	98.3	56.72	57	98.3	B9	CZ	7454	P -40 3613
33		6.7T	28 40.602	-0.0019	14	-45 21 0.50	0.026	10	0.66	40.898	19	00.0	1.90	18	96.4	K0	GC	13139	C -45 5202
34		3.6M	28 43.692	-0.0165	04	-40 14 49.29	0.069	04	0.24	44.630	07	93.3	53.10	06	94.7	F3	J F3	3990	*
35	9.3E	8.5Z	28 44.901	-0.0033	12	-41 10 29.91	0.029	12	0.86	45.072	63	98.3	31.39	57	98.3	F5	CZ	7461	P -40 3619
36		8.8T	28 44.988	-0.0239	22	-47 23 5.75	0.059	22	1.04	46.074	21	04.6	8.43	21	04.6	G5	GC	13141	C -47 4998
37	9.1E	9.3Z	28 59.786	-0.0015	12	-47 2 23.23	0.003	12	0.72	59.958	45	02.2	23.38	45	02.2	A0	CZ	7466	P -46 3689
38	9.3E	9.0Z	29 4.540	-0.0002	12	-45 1 42.47	-0.012	12	0.68	4.550	31	98.9	41.86	28	98.9	A5	CZ	7467	P -44 3629
39	8.6E	8.5Z	29 5.234	-0.0033	12	-49 11 45.90	0.019	12	0.65	5.396	28	00.9	46.86	28	00.9	A2	CZ	7470	P -48 2500
40	9.1E	9.0Z	29 7.563	0.0335	12	-47 9 26.84	-0.378	12	0.72	5.960	45	02.2	8.76	45	02.2	K0	CZ	7468	P -46 3701
41	9.7E	8.8M	29 10.865	-0.0016	12	-45 14 30.09	-0.014	12	0.73	10.942	45	01.1	29.41	45	01.1	K0	CZ	7469	P -44 3632
42	8.0E	8.5Z	29 21.108	-0.0013	12	-45 47 10.93	-0.017	12	0.66	21.173	31	00.1	10.09	28	00.1	F0	CZ	7471	P -45 3612
43	9.2E	9.0Z	29 24.013	-0.0007	12	-45 0 42.20	-0.019	12	0.75	24.049	45	99.2	41.23	45	99.2	A2	CZ	7472	P -44 3636
44	8.2E	8.3N	29 28.389	-0.0011	12	-45 25 38.15	-0.001	12	0.73	28.382	45	01.1	38.11	45	01.1	A2	CZ	7474	P -45 3614
45	8.7	8.1W	29 28.617	0.0012	13	-40 5 16.86	-0.023	13	0.26	28.600	15	36.3	16.55	21	36.3	G5	C8	4346	C -39 5589
46		6.8T	29 30.117	-0.0035	14	-47 43 53.40	0.002	10	0.64	30.288	22	01.2	53.51	17	97.3	F0	GC	13156	C* -47 5002
47	8.6E	8.5Z	29 30.810	-0.0040	12	-41 41 0.27	0.014	12	0.75	31.013	45	99.6	0.96	45	99.6	F2	CZ	7473	P -41 3795
48	9.3E	9.4N	29 37.236	-0.0016	12	-45 16 10.82	-0.015	12	0.73	37.313	45	01.1	10.09	45	01.1	A2	CZ	7476	P -44 3641
49	9.2E	9.0Z	29 41.493	-0.0024	12	-44 4 23.92	0.003	12	0.67	41.614	28	98.9	24.09	28	98.9	A2	CZ	7477	P -43 3764
50	9.9E	8.3Z	29 47.815	-0.0067	12	-42 16 5.09	0.001	12	0.67	48.158	28	98.9	5.15	28	98.9	K0	CZ	7478	P -41 3801
51	8.6E	9.0Z	9 29 52.003	-0.0017	12	-47 2 43.46	0.001	12	0.72	52.084	45	02.2	43.51	45	02.2	A0	CZ	7482	P -46 3712
52	10.1E	9.6Z	29 53.791	-0.0015	12	-49 32 28.76	0.001	12	0.73	53.862	45	01.3	28.83	45	01.3	A0	CZ	7484	P -49 2534
53	9.3E	9.0Z	29 53.894	-0.0044	12	-47 15 48.93	0.010	12	0.73	54.107	45	01.7	49.41	45	01.7	F8	CZ	7483	P -46 3713
54	9.3E	9.0Z	29 53.916	-0.0008	12	-43 48 0.35	-0.039	12	0.74	53.875	45	00.2	58.42	45	00.2	F5	CZ	7481	P -43 3768
55	9.1E	9.0Z	29 54.318	0.0006	12	-41 10 24.07	-0.102	12	0.86	54.288	63	98.3	18.78	57	98.3	F8	CZ	7480	P -40 3636
56	8.9E	9.0Z	30 1.230	-0.0017	12	-47 9 8.50	0.013	12	0.72	1.311	45	02.2	9.13	45	02.2	A3	CZ	7486	P -46 3715
57	8.6E	9.0Z	30 6.084	-0.0016	12	-45 34 25.32	-0.007	12	0.73	6.100	45	01.1	24.99	45	01.1	A0	CZ	7487	P -45 3618
58	10.1E	9.8Z	30 7.640	-0.0033	12	-49 47 23.31	-0.003	12	0.73	7.798	45	01.3	23.17	45	01.3	A0	CZ	7490	P -49 2537
59	9.3E	9.0Z	30 7.956	0.0012	12	-46 16 35.49	-0.015	12	0.72	7.899	45	02.2	34.76	45	02.2	A3	CZ	7488	P -45 3619
60		7.6T	30 12.881	-0.0046	16	-47 58 22.92	0.012	11	0.72	13.097	22	02.7	23.55	21	97.2	K0	GC	13177	C -47 5007
61	8.6E	8.0Z	30 18.470	0.0000	12	-49 10 49.70	0.006	12	0.73	18.469	45	01.8	50.01	45	01.8	G5	CZ	7495	P -48 2512
62		5.4T	30 20.022	0.0006	06	-40 25 38.67	-0.014	04	0.22	19.999	07	09.9	38.06	07	07.1	K0	GC	13180	C* -40 5284
63	9.4E	9.0M	30 25.877	-0.0020	12	-40 20 31.59	0.008	12	0.86	25.981	63	98.3	31.99	57	98.3		CZ	7492	P -40 3644
64	9.9E	9.5Z	30 26.034	-0.0009	12	-43 24 9.43	-0.014	12	0.66	26.081	28	99.2	8.73	28	99.2	A0	CZ	7494	P -43 3777
65	7.9E	8.5Z	30 28.768	-0.0062	12	-46 55 28.11	0.007	12	0.72	27.065	45	02.2	28.47	45	02.2	F0	CZ	7497	P -46 3720
66	8.3E	8.0Z	30 28.400	-0.0031	12	-40 57 29.14	-0.004	12	0.69	28.562	31	97.8	28.91	28	97.8	G5	CZ	7493	P -40 3645
67	9.4E	8.5Z	30 32.852	-0.0008	12	-42 1 49.96	-0.020	12	0.67	32.884	28	98.6	48.94	28	98.6	G5	CZ	7496	P -41 3815
68	9.4E	9.0Z	30 43.750	-0.0024	12	-49 16 57.60	-0.133	12	0.73	43.866	45	01.3	51.14	45	01.3	G0	CZ	7501	P -48 2520
69	10.0E	9.5Z	30 47.353	-0.0016	12	-41 47 15.88	-0.002	12	0.75	47.434	45	99.3	15.78	45	99.3	F5	CZ	7499	P -41 3820
70	9.1E	9.5Z	30 51.401	-0.0018	12	-48 4 18.43	-0.017	12	0.68	51.487	36	01.9	17.62	36	01.9	A0	CZ	7502	P -47 3392
71	10.2E	9.0Z	31 1.288	-0.0080	12	-42 33 45.60	0.014	12	0.67	1.596	28	98.9	46.33	28	98.9	K2	CZ	7503	P -42 3802
72	8.1E	8.0Z	31 2.036	-0.0011	12	-49 46 55.12	0.005	12	0.73	2.087	45	01.3	55.38	45	01.3	B9	CZ	7506	P -49 2549
73	9.4E	9.2Z	31 6.324	-0.0021	12	-45 31 57.90	0.001	12	0.73	6.425	45	01.1	57.96	45	01.1	A2	CZ	7505	P -45 3631
74	10.4E	9.5*	31 7.879	-0.0020	12	-43 5 45.96	-0.008	12	0.66	7.980	28	99.2	45.58	28	99.2		CZ	7504	P -42 3805
75	9.4E	9.5Z	31 15.531	-0.0025	12	-49 28 13.74	0.002	12	0.73	15.653	45	01.3	13.86	45	01.3	F0	CZ	7512	P -49 2594
76	9.1E	9.0Z	31 17.856	-0.0012	12	-46 32 33.93	-0.009	12	0.64	17.915	28	01.1	33.50	28	01.1	B	CZ	7510	P -46 3733
77	9.3E	9.0Z	31 19.581	-0.0008	12	-47 5 1.13	-0.009	12	0.64	19.820	28	01.1	0.70	28	01.1	A0	CZ	7513	P -46 3735
78	9.5E	9.5Z	31 19.910	-0.0017	12	-40 31 17.03	0.021	12	0.86	19.999	63	98.3	18.09	57	98.3	A0	CZ	7507	P -40 3606
79		7.8I	31 19.973	-0.0041	22	-44 59 10.84	-0.017	20	1.00	20.161	21	03.7	11.81	19	03.2	A0	GC	13210V	C* -44 5573
80		8.1I	31 20.182	-0.0021	22	-45 17 33.97	-0.012	22	1.02	20.273	24	06.3	33.44	24	05.4	M8	GC	13211V	C* -44 5574
81	10.0E	9.3Z	31 23.986	-0.0018	12	-48 53 10.52	-0.005	12	0.73	24.072	45	01.8	10.31	45	01.8	A5	CZ	7514	P -48 2529
82	9.1E	9.5Z	31 24.486	-0.0027	12	-49 31 37.85	0.002	12	0.73	24.617	45	01.3	37.96	45	01.3	A0	CZ	7516	P -49 2556
83	10.0E	9.3Z	31 25.232	-0.0040	12	-42 0 9.10	0.008	12	0.75	25.436	45	99.3	9.51	45	99.3	F0	CZ	7515	P -41 3827
84	9.4E	8.5Z	31 26.379	-0.0012	12	-42 22 17.32	-0.031	12	0.67	26.456	36	02.8	15.88	36	02.9	K2	CZ	7517	P -42 3814
85	9.4E	8.5Z	31 26.394	-0.0022	12	-47 41 4.48	-0.011	12	0.68	26.499	36	01.9	3.96	36	01.9	K0	CZ	7518	P -47 3399
86	9.5E	9.2*	31 26.529	-0.0027	12	-47 50 51.91	-0.006	12	0.65	26.681	28	00.9	51.62	28	00.9	A2	CZ	7519	P -47 3400
87		7.1T	31 51.961	-0.0022	09	-49 32 4.47	-0.043	07	0.39	52.057	14	08.6	2.48	15	03.6	G5	GC	13217	C -49 4502
88		5.4T	31 56.694	-0.0021	10	-48 46 55.95	0.006	07	0.51	56.806	19	95.7	56.44	17	90.4	B3	GC	13219K	C* -48 4802
89		7.5T	31 59.533	0.0044	16	-49 30 8.55	-0.011	12	0.73	59.322	22	02.0	7.97	19	96.6	G5	GC	13222	C -49 4504
90	9.5E	8.9*	31 59.724	-0.0132	12	-48 56 25.83	0.025	12	0.66	+ 0.374	31	00.9	27.05	28	00.9	G0	CZ	7526	P -48 2533
91	10.3E	9.0Z	32 14.187	-0.0014	12	-42 24 5.47	-0.004	12	0.64	14.253	28	01.8	5.27	28	01.8	K2	CZ	7529	P -42 3825
92	9.9E	8.5Z	32 18.274	-0.0017	12	-41 34 18.76	0.034	12	0.67	18.361	28	98.7	20.52	28	98.7	K2	CZ	7531	P -41 3841
93	9.7E	8.5Z	32 18.643	-0.0020	12	-40 49 59.70	-0.019	12	0.68	18.747	28	97.8	58.72	28	97.8	MA	CZ	7530	P -40 3687
94	9.0E	9.0Z	32 19.739	-0.0034	12	-44 32 31.31	0.013	12	0.69	19.927	36	00.9	31.95	36	00.9	A3	CZ	7533	P -44 3682
95	9.3E	9.2Z	32 20.599	-0.0017	12	-41 11 48.45	0.001	12	0.85	20.685	63	99.2	48.51	57	99.2	A0	CZ	7532	P -40 3688
96	9.5E	8.9Z	32 24.994	-0.0011	12	-40 44 33.73	-0.070	12	0.85	25.009	63	99.2	30.19	57	99.2	G0	CZ	7534	P -40 3689
97		7.8T	32 30.301	-0.0059	14	-40 14 34.00	-0.003	12	0.65	30.600	21	99.7	33.83	19	97.9	F8	GC	13237	C -39 5638
98	9.8E	9.1Z	32 31.746	-0.0009	12	-40 54 51.10	-0.024	12	0.85	31.791	63	99.2	49.89	57	99.2	A0	CZ	7536	P -40 3693
99	10.2E	9.5Z	32 42.050	-0.0014	12	-49 7 20.30	-0.000	12	0.73	42.115	45	01.8	20.29	45	01.8	G	CZ	7541	P -48 2536
00	7.5E	7.5Z	32 48.233	-0.0023	12	-44 35 34.29	-0.006	12	0.66	48.348	31	00.9	34.00	28	00.9	B9	CZ	7540	P -44 3890

221300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 9H DM NUMBER
1	9.3E	8.0Z	9 33 1.056	0.0005	12	-45 0 31.34	-0.050	12	0.72	1.034	45	02.3	28.95	45	02.3	K0	CZ	7542	P -44 3896
2	9.1E	9.0Z	33 9.298	-0.0053	12	-46 48 13.02	-0.016	12	0.71	9.545	45	03.1	13.76	45	03.1	F0	CZ	7546	P -46 3760
3	9.8E	9.8Z	33 10.790	-0.0022	12	-44 1 35.40	-0.003	12	0.70	10.893	45	04.3	35.26	45	04.3		CZ	7544	P -43 3825
4		7.8T	33 12.203	-0.0045	12	-48 39 56.85	-0.016	10	0.62	12.426	22	99.9	55.98	19	99.0	F0	GC	13251	C -48 4815
5	9.7E	9.0Z	33 21.173	-0.0028	12	-44 23 26.37	-0.005	12	0.72	21.308	45	02.3	26.13	45	02.3	A0	CZ	7551	P -44 3902
6	8.4E	8.3Z	33 24.122	-0.0024	12	-41 15 1.91	-0.022	12	0.67	24.245	28	98.7	0.80	26	98.7	A2	CZ	7550	P -40 3709
7		8.6T	33 28.201	-0.0024	12	-48 54 22.36	0.022	09	0.60	28.319	22	00.1	23.53	17	97.7	F0	GC	13258	C -48 4818
8	8.8E	8.5Z	33 28.701	-0.0015	12	-47 51 32.77	-0.018	12	0.65	28.772	31	01.2	31.87	28	01.2	A0	CZ	7554	P -47 3413
9	11.3E	10.5Z	33 32.747	-0.0045	12	-48 46 42.07	0.007	12	0.73	32.966	45	01.8	42.40	45	01.8	A2	CZ	7558	P -48 2548
10	9.0E	9.0Z	33 34.087	-0.0030	12	-48 46 46.50	-0.005	12	0.73	34.230	45	01.8	46.25	45	01.8	A2	CZ	7559D	P*-48 2548
11	10.8E	9.0Z	33 34.138	-0.0007	12	-47 33 36.21	-0.024	12	0.72	34.170	45	02.7	35.06	45	02.7	F5	CZ	7557	P -47 3414
12	9.8E	9.3Z	33 35.881	-0.0016	12	-43 38 46.05	-0.005	12	0.70	35.952	45	04.3	45.83	45	04.3	A2	CZ	7555	P -43 3830
13	9.4E	9.0*	33 37.098	-0.0023	12	-40 28 40.96	-0.010	12	0.68	37.218	28	98.0	40.46	26	98.0	A5	CZ	7553	P -40 3711
14		8.1T	33 37.298	-0.0045	20	-45 53 17.02	-0.009	15	0.86	37.511	17	02.7	16.58	19	00.2	K2	GC	13260	C -45 5270
15		9.5T	33 37.365	-0.0066	20	-46 18 43.63	-0.005	17	0.89	37.674	19	03.3	43.39	19	01.7	A0	GC	13261	C -45 5271
16	9.5E	9.2Z	33 41.343	-0.0011	12	-49 57 59.78	-0.005	12	0.73	41.397	45	01.6	59.52	45	01.6	A0	CZ	7564	P -49 2599
17	9.6E	9.7Z	33 43.645	-0.0020	12	-48 47 50.60	-0.013	12	0.73	43.743	45	01.8	49.97	45	01.8	A2	CZ	7565	P -48 2549
18		7.0T	33 46.060	-0.0046	15	-43 57 50.61	0.001	10	0.68	46.278	22	02.1	50.69	21	95.8	A0	GC	13266	C -43 5433
19	10.4E	9.7Z	33 47.431	-0.0020	12	-42 17 46.53	-0.012	12	0.63	47.527	28	01.8	45.95	26	01.8		CZ	7562	P -41 3863
20	8.3E	8.5Z	33 49.025	-0.0043	12	-48 17 22.47	-0.014	12	0.73	49.231	45	01.8	21.78	45	01.8	A0	CZ	7567	P -47 3417
21	9.7E	9.0Z	33 49.192	-0.0012	12	-45 50 36.75	-0.015	12	0.70	49.246	45	04.2	36.05	45	04.2	A2	CZ	7566	P -45 3865
22		9.5T	33 51.316	-0.0053	17	-48 41 48.20	-0.024	13	0.78	51.563	22	03.0	46.97	21	98.4	B9	GC	13270	C -48 4824
23	9.5E	9.0Z	33 52.467	-0.0010	12	-46 34 21.37	-0.018	12	0.71	52.512	45	03.1	20.51	45	03.1	A3	CZ	7568	P -46 3773
24	11.8E	10.0H	33 53.541	-0.0016	12	-49 59 57.28	-0.027	12	0.73	53.619	45	01.6	55.95	45	01.6	B5	CZ	7570	P -49 2600
25	9.9E	9.3Z	33 53.781	-0.0009	12	-49 59 44.45	0.013	12	0.73	53.825	45	01.6	45.06	45	01.6	B5	CZ	7571	P -49 2600
26	9.9E	9.4Z	33 56.353	-0.0006	12	-49 8 45.13	-0.033	12	0.73	56.379	45	01.8	43.53	45	01.8	A5	CZ	7573	P -48 2552
27	9.6E	9.1*	34 3.165	-0.0000	12	-44 7 2.79	-0.005	12	0.64	3.167	28	01.7	2.55	26	01.7	A0	CZ	7572	P -43 3843
28	9.9E	9.5Z	34 8.186	-0.0021	12	-49 35 43.11	-0.009	12	0.73	8.287	45	01.6	42.67	45	01.6	A2	CZ	7579	P -49 2604
29	10.1E	9.2Z	34 10.878	-0.0021	12	-44 27 17.42	-0.013	12	0.72	10.980	45	02.3	16.80	45	02.3		CZ	7574	P -44 3919
30	9.3E	9.0Z	34 12.828	-0.0020	12	-43 41 32.58	0.001	12	0.70	12.918	45	04.3	32.64	45	04.3	G5	CZ	7575	P -43 3848
31	9.2E	9.0Z	34 15.109	0.0035	12	-45 51 3.18	-0.035	12	0.70	14.949	45	04.2	1.56	45	04.2	F8	CZ	7580	P -45 3867
32	10.2E	9.0Z	34 15.813	-0.0024	12	-44 22 51.20	-0.006	12	0.72	15.929	45	02.3	50.91	45	02.3		CZ	7578	P -44 3924
33	9.9E	9.5Z	34 17.774	-0.0027	12	-47 14 29.36	-0.010	12	0.65	17.905	31	01.2	28.86	28	01.2	A2	CZ	7581	P -46 3777
34	9.9E	9.0Z	34 18.314	-0.0064	12	-41 59 16.34	0.041	12	0.75	18.635	45	99.7	18.39	45	99.7	F5	CZ	7577	P -41 3872
35	9.4E	8.9Z	34 18.624	-0.0052	12	-40 49 3.17	-0.022	12	0.85	18.888	63	99.2	2.07	57	99.2	F0	CZ	7576	P -40 3726
36	9.6E	9.0Z	34 25.019	-0.0011	12	-44 59 13.71	-0.014	12	0.66	25.075	31	00.9	13.02	28	00.9		CZ	7582	P -44 3927
37		9.0T	34 31.812	-0.0086	18	-46 17 47.88	-0.013	15	0.82	32.208	24	04.0	47.24	22	00.6	G0	GC	13280	C -45 5281
38	9.9E	9.3Z	34 34.366	-0.0009	12	-46 33 1.53	-0.021	12	0.71	34.407	45	03.1	0.53	45	03.1	A3	CZ	7586	P -46 3782
39		6.5T	34 36.365	-0.0015	12	-48 31 34.43	-0.026	08	0.56	36.440	18	98.5	32.92	15	91.2	F0P	GC	13284K	C*-48 4831
40	9.9E	9.5Z	34 38.445	-0.0046	12	-41 51 36.62	0.003	12	0.75	38.675	45	99.7	36.76	45	99.7	F8	CZ	7585	P -41 3875
41	9.1E	8.5Z	34 46.557	-0.0166	12	-46 6 52.72	0.029	12	0.64	47.350	31	02.2	54.09	28	02.2	G0	CZ	7593	P -45 3876
42	10.4E	9.5*	34 46.944	-0.0022	12	-42 10 45.55	-0.010	12	0.67	47.055	28	98.9	45.03	26	98.9		CZ	7588	P -41 3880
43	10.7E	9.5*	35 1.377	-0.0031	12	-45 31 55.19	-0.004	12	0.64	1.523	31	02.2	54.98	28	02.2		CZ	7595	P -45 3879
44		4.5T	35 2.133	-0.0113	05	-49 7 49.16	0.025	05	0.25	2.653	09	03.8	50.40	07	00.9	A5	GC	13293	C*-48 4836
45	9.6E	9.5Z	35 2.830	-0.0019	12	-41 7 22.58	-0.016	12	0.85	2.926	63	99.2	21.79	57	99.2	F5	CZ	7594	P -40 3740
46	8.1E	8.9Z	35 6.212	-0.0027	12	-48 32 49.62	-0.021	12	0.73	6.344	45	01.8	48.63	45	01.8	A0	CZ	7598	P -48 2564
47	10.9E	8.8Z	35 14.668	-0.0077	12	-41 47 44.34	0.004	12	0.67	15.062	28	98.9	44.54	26	98.9	K2	CZ	7597	P -41 3888
48		8.4T	35 14.759	-0.0023	12	-43 2 43.61	-0.150	12	0.50	14.668	15	10.6	37.62	15	10.2	K0	GC	13300	C -42 5452
49	8.8E	9.0Z	35 15.370	-0.0030	12	-48 28 18.93	-0.010	12	0.73	15.513	45	01.8	18.42	45	01.8	B8	CZ	7601	P -48 2567
50	9.6E	9.5Z	35 16.283	-0.0009	12	-44 3 18.01	-0.013	12	0.70	16.326	45	04.3	17.41	45	04.3	A0	CZ	7600	P -43 3860
51	9.6E	9.0Z	9 35 26.365	-0.0019	12	-43 43 13.83	0.006	12	0.65	26.454	31	01.9	14.13	28	01.9	A0	CZ	7602	P -43 3864
52	9.4E	8.0Z	35 30.041	-0.0011	12	-44 31 33.73	-0.000	12	0.72	30.095	45	02.3	33.72	45	02.3	K2	CZ	7603	P -44 3941
53		7.0T	35 41.563	-0.0024	13	-49 46 6.13	0.223	17	0.80	41.682	17	00.4	17.77	18	97.8	G0	GC	13312K	C -49 4546
54	8.9E	8.8H	35 54.268	-0.0001	12	-40 17 1.91	-0.041	12	0.66	54.273	24	97.9	-59.79	20	97.9	F2	GC	7606	P -39 3772
55		5.5T	36 4.084	0.0022	08	-42 57 52.13	-0.035	06	0.32	3.990	09	07.3	50.51	09	04.2	K0	GC	13319	C*-42 5462
56		7.3T	36 17.189	-0.0052	15	-48 32 47.95	-0.023	10	0.68	17.437	18	01.9	46.71	21	95.6	F0	GC	13325K	C -48 4858
57	8.8E	8.5Z	36 17.870	-0.0019	12	-47 9 42.89	-0.041	12	0.67	17.960	36	02.7	40.93	36	02.7	K0	CZ	7611	P -46 3803
58	9.7E	9.0Z	36 23.033	-0.0001	12	-47 42 25.68	-0.021	12	0.67	23.037	36	02.5	24.67	36	02.5	K0	CZ	7613	P -47 3447
59	9.6E	9.7Z	36 32.149	-0.0007	12	-49 36 13.74	-0.024	12	0.73	32.182	45	01.6	12.57	45	01.6	F2	CZ	7616	P -49 2632
60	8.0E	9.0Z	36 32.455	-0.0014	12	-47 17 48.73	-0.020	12	0.67	32.521	36	02.5	47.76	36	02.5	B9	CZ	7615	P -46 3808
61	9.2E	9.4Z	36 36.339	-0.0030	12	-41 12 32.11	-0.012	12	0.85	36.491	63	99.2	31.52	57	99.2	A0	CZ	7614	P -40 3767
62	9.5E	9.0Z	36 43.138	-0.0009	12	-45 54 12.56	-0.019	12	0.66	43.180	36	03.5	11.66	36	03.5	K0	CZ	7617	P -45 3894
63	9.8E	9.0Z	36 49.824	-0.0021	12	-42 47 58.22	-0.003	12	0.67	49.921	36	02.9	58.09	36	02.9	A0	CZ	7618	P -42 3897
64	10.0E	9.3Z	36 53.524	-0.0025	12	-49 15 32.92	-0.015	12	0.73	53.647	45	01.6	32.18	45	01.6	F5	CZ	7624	P -48 2586
65	8.8E	9.1H	36 54.466	-0.0028	12	-45 16 15.41	-0.025	12	0.66	54.594	36	03.5	14.23	36	03.5	A0	CZ	7622	P -44 3979
66	9.2E	9.1*	37 4.130	-0.0001	12	-41 32 26.70	-0.012	12	0.66	4.135	28	99.2	26.11	26	99.2	A2	CZ	7623	P -41 3914
67		7.8T	37 5.380	0.0003	17	-42 38 19.32	-0.017	13	0.79	5.365	18	00.8	18.41	17	97.9	A0	GC	13338	C -42 5478
68	9.3E	9.0Z	37 5.714	-0.0038	12	-47 5 47.02	0.012	12	0.64	5.897	28	01.6	47.59	26	01.6	F8	CZ	7628	P -46 3813
69	10.0E	9.4Z	37 6.973	-0.0010	12	-42 43 56.11	-0.032	12	0.67	7.019	36	02.9	54.62	36	02.9		CZ	7626	P -42 3903
70		7.9T	37 9.141	-0.0038	16	-48 0 4.85	0.009	11	0.72	9.323	17	01.5	5.34	18	96.7	B9	GC	13340	C -48 4872
71	9.8E	9.4H	37 11.250	-0.0022	12	-45 11 58.71	-0.013	12	0.68	11.358	36	01.9	58.08	36	01.9	G5	CZ	7630	P -44 3987
72	10.3E	9.5*	37 14.560	-0.0010	12	-44 20 37.46	-0.003	12	0.64	14.611	28	01.0	37.31	26	01.0		CZ	7631	P -44 3988
73	8.8E	8.9*	37 20.616	-0.0033	12	-48 3 17.46	0.003	12	0.64	20.774	28	01.4	17.59	26	01.4	A2	CZ	7635	P -47 3462
74	9.3E	9.0Z	37 23.825	-0.0074	12	-47 52 45.58	0.016	12	0.67	24.175	36	02.5	46.32	36	02.5	F0	CZ	7637	P -47 3463
75	8.3E	8.7H	37 28.194	-0.0024	12	-40 26 54.01	-0.049	12	0.85	26.316	63	99.2	51.54	57	99.2	F0	CZ	7633	P -40 3782
76	9.2E	9.0Z	37 29.440	-0.0025	12	-45 32 58.45	-0.000	12	0.63	29.558	28	02.2	58.43	26	02.2	F0	CZ	7639	P -45 3900
77	9.3E	8.5Z	37 32.114	-0.0040	12	-47 30 26.99	0.001	12	0.67	32.302	36	02.5	27.02	36	02.5	G5	CZ	7641	P -47 3466
78	9.8E	9.5Z	37 32.736	-0.0007	12	-44 56 49.52	-0.017	12	0.65	32.772	31	01.2	48.70	28	01.2	A2	CZ	7640	P -44 3992
79	9.3E	9.2Z	37 34.775	-0.0014	12	-41 21 18.90	-0.010	12	0.75	34.845	45	99.7	18.41	45	99.7	A0	CZ	7638	P -41 3918
80	9.6E	9.5Z	37 40.973	0.0000	12	-41 25 56.56	-0.010	12	0.75	40.973	45	99.7	56.08	45	99.7	F8	CZ	7642	P -41 3920
81	9.0E	8.7Z	37 41.332	0.0001	12	-41 25 49.47	0.008	12	0.67	41.326	28	98.8	49.90	26	98.8	F8	CZ	7643	P -41 3920
82	7.9E	8.0Z	37 47.263	-0.0055	12	-40 35 47.15	0.020	12	0.85	47.541	63	99.2	48.15	57	99.2	K0	CZ	7644	P -40 3787
83	9.8E	9.0Z	37 47.767	0.0007	12	-44 0 11.82	-0.038	12	0.70	47.736	45	04.8	10.10	45	04.8	F5	CZ	7645	P -43 3910
84	8.6E	9.0Z	37 49.343	-0.0024	12	-47 45 54.38	0.005	12	0.72	49.456	45	02.1	54.60	45	02.1	A0	CZ	7646	P -47 3469
85		7.5T	37 50.194	-0.0066	16	-48 0 37.68	0.007	11	0.72	50.505	22	02.7	38.04	21	97.2	F5	GC	13351	C -47 5105
86	10.3E	9.4*	37 52.052	-0.0009	12	-49 16 17.41	-0.013	12	0.64	52.093	28	01.7	16.77	26	01.7	A3	CZ	7650	P -48 2597
87	9.5E	9.5H	37 55.081	-0.0006	12	-45 26 7.64	0.004	12	0.71	55.087	45	03.2	7.81	45	03.2	A0	CZ	7649	P -45 3906
88	8.4E	8.5Z	37 56.204	-0.0041	12	-43 16 59.95	0.010	12	0.63	56.399	28	02.1	+ 0.44	26	02.1	K0	CZ	7647	P -42 3919
89		7.3T	37 58.317	-0.0021	13	-49 54 39.92	-0.011	10	0.64	58.423	19	99.8	39.32	18	95.6	F0	GC	13356	C -49 4578
90	8.9E	8.3Z	38 2.917	-0.0006	12	-41 48 24.39	-0.015	12	0.75	2.946	45	99.7	23.63	45	99.7	K0	CZ	7651	P -41 3926
91		8.9T	38 9.522	-0.0048	17	-49 59 16.84	-0.024	18	0.84	9.741	24	04.4	15.75	24	04.4	F8	GC	13360	C -49 4581
92	8.2E	8.5Z	38 9.936	-0.0011	12	-40 57 58.71	-0.032	12	0.85	9.991	63	99.2	57.10	57	99.2	A0	CZ	7652	P -40 3795
93	9.7E	9.6Z	38 11.416	-0.0025	12	-42 42 34.68	0.003	12	0.70	11.529	45	04.3	34.81	45	04.3	A3	CZ	7655	P -42 3929
94	9.1E	9.4H	38 32.104	-0.0001	12	-45 19 56.65	-0.016	12	0.71	32.106	45	03.2	55.88	45	03.2	A0	CZ	7659	P -44 4012
95	9.9E	9.0Z	38 32.448	-0.0015	12	-44 22 25.58	-0.012	12	0.72	32.520	45	02.8	25.02	45	02.8	K2	CZ	7658	P -44 4011
96	9.4E	9.0Z	38 47.580	-0.0024	12	-40 19 34.71	-0.105	12	0.85	47.701	63	99.2	29.39	57	99.2	G5	CZ	7660	P -39 3810
97	9.3E	9.5Z	39 3.630	-0.0028	12	-48 59 47.09	-0.006	12	0.65	3.762	31	01.9	46.80	28	01.9	A0	CZ	7665	P -48 2610
98	9.5E	9.4Z	39 4.084	-0.0016	12	-42 36 48.04	-0.001	12	0.70	4.155	45	04.3	48.00	45	04.3	A2	CZ	7662	P -42 3949
99	9.3E	8.5Z	39 7.243	0.0020	12	-45 56 15.66	-0.032	12	0.65	7.146	31	01.5	14.09	28	01.5	K2	CZ	7664	P -45 3928
00	9.1E	9.0Z	39 7.678	-0.0027	12	-42 41 47.24	-0.001	12	0.70	7.800	45	04.3	47.19	45	04.3	F8	CZ	7663	P -42 3950

221400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ s/.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 9H DM NUMBER
1	8.7E	9.02	9 38 19.149	-0.0084	12	-47 34 29.12	-0.001	12	0.72	19.263	45	02.1	29.08	45	02.1	F0	CZ	7670	P -47 3488
2	9.1E	9.52	38 19.685	-0.0073	12	-46 9 14.51	0.033	12	0.71	20.227	45	03.2	16.04	45	03.2	K0	CZ	7669	P -45 3930
3	9.0E	9.52	38 22.138	-0.0016	12	-41 56 43.00	-0.080	12	0.75	22.217	45	99.7	41.99	45	99.7	A	CZ	7667	P -41 3842
4	8.9E	9.02	38 23.404	-0.0041	12	-41 45 0.47	-0.092	12	0.75	23.609	45	99.7	55.84	45	99.7	K0	CZ	7668	P -41 3843
5	8.8E	9.02	38 28.952	-0.0086	12	-41 52 52.45	-0.013	12	0.75	27.082	45	99.7	51.79	45	99.7	A0	CZ	7671	P -41 3844
6	9.0E	9.02	38 41.779	-0.0008	12	-48 22 41.15	-0.023	12	0.71	41.815	45	03.3	40.06	45	03.3	B3	CZ	7678	P -48 2816
7	9.7E	9.8	38 44.220	-0.0031	12	-46 17 17.07	-0.008	12	0.73	44.368	45	02.1	16.76	45	02.1	A5	CZ	7677	P -45 3939
8	9.6E	9.52	38 58.312	-0.0088	17	-45 46 5.20	-0.032	12	0.73	59.435	21	03.0	1.55	18	98.5	G5	GC	13398	C -45 5347
9	9.4E	9.82	40 0.879	-0.0015	12	-43 7 34.58	-0.035	12	0.64	0.850	28	01.6	32.80	25	01.6	K2	CZ	7680	P -42 3884
10	10.0E	9.82	40 1.848	-0.0082	12	-49 33 1.84	0.020	12	0.71	2.187	45	03.7	2.57	45	03.7	K0	CZ	7687	P -49 2884
11	7.2T		40 2.360	-0.0039	12	-42 3 15.06	0.009	12	0.66	2.562	18	98.5	15.56	17	98.3	A0	GC	13397	C -41 5281
12	10.5E	9.2H	40 3.498	-0.0012	12	-42 21 5.37	-0.009	12	0.63	3.549	28	01.9	4.93	25	01.9		CZ	7683	P -42 3985
13	9.4E	9.1H	40 7.557	-0.0014	12	-40 23 43.37	-0.006	12	0.65	7.628	63	99.2	42.06	57	99.2	G5	CZ	7685	P -40 3814
14	9.6E	9.52	40 8.402	-0.0015	12	-46 25 32.08	-0.014	12	0.66	8.476	31	00.7	31.39	28	00.7	K0	CZ	7688	P -46 3858
15	9.6E	9.52	40 10.778	0.0005	12	-46 9 13.05	-0.010	12	0.71	10.756	45	03.2	12.56	45	03.2	G5	CZ	7689	P -45 3943
16	9.7E	9.82	40 14.717	-0.0025	12	-47 28 26.39	-0.018	12	0.66	14.839	31	00.8	25.49	28	00.8	A0	CZ	7690	P -47 3499
17	9.8E	9.02	40 16.888	-0.0012	12	-48 52 55.29	-0.009	12	0.71	16.942	45	03.3	54.86	45	03.3	A2	CZ	7691	P -48 2822
18	9.8E	9.02	40 19.647	-0.0030	12	-47 52 0.66	-0.002	12	0.72	19.789	45	02.1	0.54	45	02.1	A2	CZ	7692	P -47 3502
19	8.8E	7.52	40 34.575	-0.0023	12	-46 38 10.90	-0.008	12	0.66	34.687	31	00.7	10.48	28	00.7	MA	CZ	7694	P -46 3864
20	9.1E	9.0H	40 38.002	-0.0016	12	-40 27 8.72	-0.021	12	0.68	38.085	28	98.0	7.64	26	98.0	K0	CZ	7693	P -40 3821
21	10.3E	9.32	40 56.777	0.0019	12	-48 41 14.89	-0.045	12	0.71	56.690	45	03.3	12.80	45	03.3	K0	CZ	7699	P -48 2833
22	8.7E	9.02	41 2.156	-0.0014	12	-41 28 20.54	-0.035	12	0.67	2.227	28	98.7	18.77	26	98.7	A0	CZ	7696	P -41 3957
23	10.0E	8.82	41 3.200	-0.0016	12	-49 54 47.41	0.001	12	0.71	3.275	45	03.7	47.44	45	03.7	K0	CZ	7702	P -49 2713
24	9.9E	9.52	41 6.254	-0.0010	12	-44 47 11.37	-0.010	12	0.65	6.305	31	01.2	10.89	28	01.2	A2	CZ	7701	P -44 4070
25	8.9E	8.82	41 7.427	-0.0123	12	-43 2 39.79	0.105	12	0.70	7.988	45	04.3	44.59	45	04.3	F8	CZ	7700	P -42 3978
26	9.3E	9.02	41 31.975	-0.0007	12	-48 49 5.90	-0.015	12	0.71	32.010	45	03.3	5.19	45	03.3	A5	CZ	7705	P -48 2647
27	8.7E	8.52	41 35.696	-0.0023	12	-40 56 33.28	-0.022	12	0.68	35.815	28	97.7	32.15	25	97.7	G5	CZ	7704	P -40 3835
28	8.8E	8.02	41 43.644	-0.0008	12	-41 0 38.01	-0.086	12	0.85	43.684	63	99.2	34.68	57	99.2	K2	CZ	7706	P -40 3838
29	8.9E	9.02	41 44.846	-0.0032	12	-43 19 44.70	0.005	12	0.61	44.992	28	03.7	44.94	26	03.7	F5	CZ	7707	P -42 3986
30	10.0E	9.1H	41 46.209	-0.0017	12	-44 0 59.68	-0.001	12	0.61	46.289	28	03.6	59.63	26	03.6	K5	CZ	7708	P -43 3973
31	8.8E	9.02	41 49.103	-0.0002	12	-42 37 17.26	-0.011	12	0.61	49.111	28	03.5	16.74	26	03.5	F5	CZ	7709	P -42 3988
32	9.4E	9.8H	41 51.601	-0.0002	12	-45 29 51.43	-0.016	12	0.67	51.613	36	02.5	50.65	36	02.5	F8	CZ	7712	P -45 3967
33	9.2E	8.52	41 56.360	0.0011	12	-49 5 23.17	-0.084	12	0.65	56.325	31	01.9	22.01	28	01.9	K0	CZ	7714	P -48 2856
34	9.0E	9.22	42 1.322	-0.0031	12	-48 25 59.15	-0.003	12	0.71	1.465	45	03.3	58.99	45	03.3	A2	CZ	7717	P -48 2857
35	8.4T	8.42	42 4.635	-0.0040	22	-47 52 44.73	-0.081	22	1.04	4.815	21	04.6	41.05	21	04.6	A3	GC	13428	C -47 5186
36	8.1E	8.22	42 10.645	-0.0025	12	-44 22 50.45	-0.006	12	0.67	10.786	36	02.3	50.16	36	02.3	A2	CZ	7719	P -44 4091
37	9.1E	9.02	42 15.770	0.0000	12	-47 41 5.28	-0.032	12	0.68	15.769	36	02.1	3.73	36	02.1	F8	CZ	7722	P -47 3529
38	10.4E	9.6H	42 16.602	-0.0035	12	-41 31 22.53	-0.029	12	0.66	16.780	26	98.9	21.06	24	98.9		CZ	7720	P -41 3973
39	10.0E	9.62	42 17.144	-0.0008	12	-47 30 4.62	-0.015	12	0.68	17.180	36	02.1	3.88	36	02.1	A0	CZ	7723	P -47 3530
40	9.0E	9.02	42 19.390	-0.0017	12	-43 49 31.51	-0.011	12	0.61	19.470	28	03.6	31.00	26	03.6	B9	CZ	7721	P -43 3983
41	8.7E	9.02	42 21.287	-0.0038	12	-48 15 59.03	-0.017	12	0.71	21.464	45	03.3	58.21	45	03.3	A5	CZ	7725	P -47 3532
42	9.4E	9.02	42 28.150	-0.0044	12	-48 41 31.51	0.000	12	0.71	28.357	45	03.3	31.52	45	03.3	F0	CZ	7727	P -48 2882
43	9.6E	9.3H	42 33.908	0.0010	12	-40 32 58.33	-0.021	12	0.69	33.856	31	98.2	57.26	28	98.2		CZ	7726	P -40 3845
44	9.4E	9.1H	42 34.322	-0.0002	12	-49 28 40.83	-0.013	12	0.64	34.329	31	02.2	40.20	28	02.2	B9	CZ	7730	P -49 2740
45	8.5E	8.52	42 45.155	-0.0008	12	-44 38 49.98	-0.012	12	0.73	45.195	45	01.2	49.39	45	01.2	A0	CZ	7731	P -44 4112
46	6.9T		42 45.854	-0.0033	10	-48 19 5.89	0.010	07	0.41	45.995	14	07.1	6.35	15	03.9	B8	GC	13439	C -47 5182
47	9.4E	9.32	42 56.721	-0.0012	12	-42 16 36.41	-0.019	12	0.70	56.775	45	04.3	35.53	45	04.3	A5	CZ	7735	P -41 3980
48		7.8T	43 0.130	-0.0041	18	-47 15 0.89	-0.014	16	0.85	0.324	19	02.7	0.21	18	00.7	F2	GC	13441	C -46 5483
49	9.4E	9.52	43 0.835	0.0003	12	-49 27 18.64	-0.029	12	0.71	0.819	45	03.7	17.29	45	03.7	F0	CZ	7746	P -49 2744
50	9.8E	9.0H	43 1.288	-0.0028	12	-42 2 9.68	0.001	12	0.67	1.431	28	98.6	9.73	26	98.6	G5	CZ	7737	P -41 3982
51	8.4E	7.52	9 43 3.755	-0.0015	12	-49 46 45.85	-0.024	12	0.71	3.825	45	03.7	44.73	45	03.7	G5	CZ	7747	P -49 2746
52	10.2E	9.8H	43 5.527	0.0003	12	-45 11 43.34	-0.028	12	0.66	5.514	31	00.2	41.94	28	00.2	A2	CZ	7744	P -44 4120
53	10.2E	8.9H	43 5.816	-0.0005	12	-45 55 57.11	-0.001	12	0.66	5.840	31	00.5	57.04	28	00.5	K5	CZ	7745	P -45 3991
54	8.3E	8.52	43 6.951	-0.0016	12	-40 55 51.92	-0.027	12	0.68	7.034	28	97.7	50.53	26	97.7	A0	CZ	7739	P -40 3855
55	9.0E	8.92	43 8.141	-0.0012	12	-42 49 32.97	-0.020	12	0.70	8.194	45	04.3	32.07	45	04.3	A2	CZ	7743	P -42 4014
56	9.5E	9.02	43 8.708	-0.0058	12	-40 36 48.78	0.006	12	0.85	9.002	63	99.2	49.11	57	99.2		CZ	7742	P -40 3857
57	9.3E	9.02	43 10.584	0.0001	12	-46 16 42.85	-0.018	12	0.66	10.578	31	00.7	41.95	28	00.7	A0	CZ	7748	P -45 3993
58	8.7E	8.02	43 11.912	0.0021	12	-49 15 26.10	0.126	12	0.71	11.813	45	03.7	31.93	45	03.7		CZ	7750	P -48 2670
59	8.5E	8.02	43 13.439	-0.0033	12	-49 15 22.01	0.069	12	0.71	13.594	45	03.7	25.20	45	03.7	F8	CZ	7751	P -48 2671
60	9.3E	9.02	43 23.376	-0.0021	12	-43 21 49.90	-0.020	12	0.70	23.469	45	04.8	49.01	45	04.8	A0	CZ	7752	P -43 4006
61	8.8E	8.52	43 24.396	-0.0005	12	-48 17 4.45	-0.024	12	0.71	24.418	45	03.3	3.31	45	03.3	F2	CZ	7755	P -47 3554
62	9.2E	9.02	43 24.789	-0.0021	12	-48 8 12.17	-0.011	12	0.72	24.888	45	02.1	11.63	45	02.1	B9	CZ	7756	P -47 3555
63	9.8E	9.02	43 29.217	-0.0027	12	-43 29 44.45	-0.020	12	0.70	29.337	45	04.8	43.55	45	04.8	A2	CZ	7754	P -43 4010
64	7.7E	8.02	43 32.286	-0.0046	12	-49 34 51.32	-0.031	12	0.71	32.501	45	03.7	49.89	45	03.7	F8	CZ	7761	P -49 2753
65		7.8T	43 43.481	-0.0014	12	-45 40 48.84	0.002	10	0.62	43.552	19	99.6	48.94	18	96.2	F0	GC	13456	C -45 5401
66	9.5E	9.52	43 46.089	-0.0009	12	-49 23 27.24	-0.017	12	0.66	46.069	36	03.5	26.44	36	03.5	A2	CZ	7765	P -49 2756
67	9.8E	9.02	43 49.815	-0.0044	12	-44 24 50.35	-0.004	12	0.73	50.031	45	01.2	50.15	45	01.2	F0	CZ	7764	P -44 4142
68	9.2E	8.52	43 51.788	-0.0049	12	-47 6 3.49	0.025	12	0.73	51.960	45	02.1	4.67	45	02.1	F5	CZ	7766	P -46 3916
69	9.8E	10.0Z	43 54.463	-0.0027	12	-49 43 53.45	-0.007	12	0.66	54.590	36	03.5	53.11	36	03.5	A0	CZ	7771	P -49 2762
70	10.1E	8.52	43 55.329	-0.0048	12	-45 40 57.47	0.017	12	0.73	55.559	45	01.7	58.27	45	01.7		CZ	7768	P -45 4007
71		7.4T	43 57.246	-0.0036	15	-43 28 50.42	0.015	11	0.69	57.419	22	01.8	51.21	19	95.9	K0	GC	13464	C -43 5600
72	9.8E	9.22	44 2.219	-0.0009	12	-41 32 20.68	0.008	12	0.75	2.283	45	99.7	21.10	45	99.7	G5	CZ	7770	P -41 4002
73	8.4E	8.52	44 2.629	-0.0062	12	-44 28 57.53	0.042	12	0.73	2.933	45	01.2	59.58	45	01.2	A0	CZ	7772	P -44 4150
74	9.4E	9.0H	44 3.382	0.0005	12	-40 24 11.48	-0.025	12	0.85	3.357	63	99.2	10.23	57	99.2		CZ	7769	P -40 3869
75	9.8E	9.02	44 4.403	-0.0021	12	-47 0 54.59	-0.014	12	0.66	4.505	31	00.7	53.89	28	00.7	A0	CZ	7774	P -46 3918
76	8.8E	8.52	44 8.074	-0.0017	12	-46 56 53.58	-0.009	12	0.73	8.154	45	02.1	53.13	45	02.1	A0	CZ	7776	P -46 3919
77		8.0T	44 10.959	0.0084	13	-40 24 21.28	0.085	11	0.69	10.469	21	97.7	26.00	18	94.3	F8	GC	13471	C -40 5491
78		9.5H	44 12.607	-0.0033	18	-45 41 16.83	0.017	18	0.85	12.956	24	05.1	17.58	22	05.4		GC	13473K	C -45 5411
79	9.1E	8.72	44 12.611	-0.0020	12	-47 23 15.88	-0.009	12	0.72	12.906	45	02.1	15.44	45	02.1	F0	CZ	7779	P -47 3580
80		6.9T	44 13.421	-0.0022	08	-45 41 10.76	-0.012	07	0.36	13.516	15	07.2	10.23	14	05.5	G5	GC	13474K	C -45 5411
81	9.7E	8.52	44 25.927	-0.0030	12	-48 53 40.41	-0.007	12	0.65	26.089	31	01.9	40.06	28	01.9	K2	CZ	7784	P -48 2693
82		7.7T	44 32.897	-0.0057	12	-40 26 51.91	0.019	12	0.65	33.196	17	97.8	52.93	19	95.9	A3	GC	13480	C -40 5497
83	9.6E	9.52	44 32.941	-0.0011	12	-41 35 16.45	-0.012	12	0.75	32.996	45	99.7	15.86	45	99.7	A2	CZ	7783	P -41 4007
84		5.7T	44 33.224	-0.0013	07	-44 31 23.26	0.000	05	0.30	33.278	12	07.8	23.28	09	03.1	B3	GC	13481	C* -44 5846
85	9.7E	9.62	44 44.012	-0.0007	12	-49 16 54.00	-0.043	12	0.71	44.047	45	03.7	52.01	45	03.7	A0	CZ	7788	P -48 2697
86	9.9E	9.12	44 44.242	0.0008	12	-40 15 28.35	-0.030	12	0.68	44.200	28	97.7	24.80	26	97.7		CZ	7786	P -39 3886
87	9.4E	9.02	44 46.096	-0.0017	12	-49 41 8.87	0.014	12	0.71	46.175	45	03.7	7.50	45	03.7	G0	CZ	7789	P -49 2772
88	13.0E	10.9H	45 6.341	-0.0007	12	-47 28 56.69	0.003	12	0.72	6.374	45	02.1	56.82	45	02.1	F8	CZ	7791	P -47 3595
89	8.8E	8.52	45 8.183	-0.0089	12	-47 28 58.21	0.040	12	0.72	8.513	45	02.1	0.10	45	02.1	F8	CZ	7792	P -47 3595
90	9.9E	8.52	45 17.909	-0.0012	12	-41 13 8.06	-0.020	12	0.85	17.970	63	99.2	7.09	57	99.2	G5	CZ	7794	P -40 3895
91	8.7E	8.62	45 30.493	-0.0020	12	-47 22 16.00	-0.008	12	0.72	30.588	45	02.1	15.60	45	02.1	A0	CZ	7799	P -47 3603
92	9.1E	8.0H	45 36.103	-0.0020	12	-43 1 15.36	-0.005	12	0.64	36.198	28	01.6	15.12	26	01.6	K2	CZ	7798	P -42 4048
93	9.4E	9.02	45 41.590	-0.0033	12	-40 37 21.30	-0.021	12	0.85	41.757	63	99.2	20.25	57	99.2	A5	CZ	7800	P -40 3900
94	9.6E	8.02	45 48.304	-0.0009	12	-42 20 56.92	-0.019	12	0.70	48.344	45	04.3	56.04	45	04.3	A0	CZ	7801	P -42 4050
95	9.9E	9.82	45 49.587	-0.0022	12	-48 27 2.47	-0.009	12	0.71	49.689	45	03.3	2.03	45	03.3	B8	CZ	7802	P -48 2707
96		6.9T	45 53.733	-0.0019	17	-49 42 38.73	-0.028	13	0.77	53.825	18	01.7	37.29	17	98.4	A0	GC	13508	C* -49 4692
97	10.2E	8.9H	45 55.509	-0.0020	12	-45 18 50.61	-0.019	12	0.66	55.606	31	00.5	49.65	28	00.5	K0	CZ	7803	P -44 4200
98	8.4E	8.52	46 10.378	-0.0011	12	-41 11 39.95	-0.005	12	0.68	10.433	28	97.9	39.71	26	97.9	A3	CZ	7805	P -40 3906
99	10.2E	9.32	46 14.121	-0.0016	12	-42 45 59.02	-0.014	12	0.64	14.196	28	01.7	58.35	26	01.7		CZ	7806	P -42 4055
00	8.3E	8.52	46 14.810	-0.0020	12	-48 23 45.69	-0.011	12	0.67	14.903	36	02.9	45.15	36	02.9	A2	CZ	7807	P -48 2714

221500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.8E	8.5Z	9 46 17.829	-0.0005	12	-47 14 12.18	-0.064	12	0.68	17.853	36	02.2	9.10	36	02.2	G5	CZ	7809	P -46 3952
2	8.8E	8.5Z	46 18.240	-0.0020	12	-46 18 24.80	-0.012	12	0.64	18.337	28	01.1	24.19	26	01.1	A2	CZ	7808	P -45 4040
3		7.7T	46 25.933	-0.0084	22	-43 47 15.32	-0.016	15	0.93	26.326	19	03.0	14.56	19	01.5	A2	GC	13516	C -43 5631
4	9.8E	9.3Z	46 27.913	-0.0069	12	-47 37 59.04	0.015	12	0.68	28.241	36	02.2	59.73	36	02.2	F2	CZ	7812	P -47 3622
5	10.1E	9.5Z	46 34.977	-0.0021	12	-48 7 0.86	-0.016	12	0.64	35.078	28	01.2	0.06	26	01.2	B8	CZ	7814	P -47 3624
6	9.5E	9.4H	46 36.531	-0.0036	12	-45 19 36.32	-0.002	12	0.68	36.706	36	01.9	36.20	36	01.9	A2	CZ	7813	P -44 4220
7	9.8E	9.0Z	46 45.938	-0.0035	12	-44 40 9.47	0.009	12	0.69	46.111	36	00.9	9.90	36	00.9	G5	CZ	7816D	P*-44 4222
8	10.5E	9.7H	46 59.430	-0.0002	12	-44 30 16.59	-0.005	12	0.65	59.442	28	00.2	16.34	26	00.2		CZ	7817	P -44 4229
9		8.0T	47 2.883	-0.0054	22	-47 40 45.32	0.006	22	1.06	3.130	21	04.1	45.59	19	03.4	A0	GC	13529	C -47 5287
10	10.2E	9.5Z	47 7.761	-0.0008	12	-41 43 37.38	-0.016	12	0.63	7.798	28	02.2	36.63	26	02.2		CZ	7821	P -41 4041
11	9.4E	9.4H	47 9.408	0.0006	12	-40 24 50.32	-0.068	12	0.85	9.382	63	99.2	46.88	57	99.2	F5	CZ	7822	P -40 3820
12		6.7T	47 9.604	-0.0010	09	-43 14 58.89	0.001	06	0.41	9.649	12	04.6	58.92	14	02.5	K0	GC	13532K	C*-42 5648
13	9.5E	9.0Z	47 11.974	-0.0013	12	-46 29 56.49	-0.019	12	0.68	12.036	36	02.1	55.75	36	02.1	A0	CZ	7826	P -46 3961
14	9.7E	9.0H	47 12.852	-0.0018	12	-42 10 51.82	-0.015	12	0.66	12.942	28	99.2	51.05	26	99.2	A0	CZ	7826D	P -41 4044
15	9.7E	9.0Z	47 22.401	-0.0017	12	-42 34 17.43	-0.023	12	0.67	22.480	36	02.9	16.34	36	02.9	A5	CZ	7829	P -42 4076
16	9.6E	9.0Z	47 27.112	-0.0020	12	-46 49 6.58	-0.014	12	0.64	27.208	28	01.1	5.88	26	01.1	A3	CZ	7830	P -46 3964
17	10.6E	9.8H	47 29.561	-0.0010	12	-48 41 33.74	-0.025	12	0.63	29.610	28	02.0	32.56	26	02.0		CZ	7835	P -48 2733
18	9.7E	8.9Z	47 34.434	-0.0009	12	-42 5 18.02	-0.010	12	0.75	34.478	45	99.7	17.51	45	99.7	K2	CZ	7831	P -41 4047
19	8.6E	8.5Z	47 35.723	-0.0010	12	-42 33 51.02	-0.025	12	0.70	35.767	45	04.3	49.87	45	04.3	A0	CZ	7833	P -42 4078
20	8.9E	8.7Z	47 37.920	-0.0004	12	-41 53 26.15	-0.010	12	0.75	37.939	45	99.7	25.64	45	99.7	A0	CZ	7834	P -41 4049
21	9.6E	9.2Z	47 52.159	-0.0025	12	-47 49 8.84	-0.012	12	0.72	52.267	45	02.1	8.24	45	02.1	A0	CZ	7838	P -47 3648
22	10.3E	9.6Z	47 57.726	-0.0025	12	-48 36 50.51	-0.001	12	0.71	57.845	45	03.3	50.48	45	03.3		CZ	7842	P -48 2737
23		5.3T	48 0.448	-0.0030	07	-45 29 55.44	0.002	05	0.30	0.569	14	09.7	55.53	12	01.6	B8	GC	13547K	C*-45 5470
24	9.9E	9.6Z	48 2.683	-0.0022	12	-49 28 16.64	0.004	12	0.71	2.782	45	03.7	16.82	45	03.7		CZ	7844	P -49 2834
25	7.9E	8.5Z	48 5.025	-0.0015	12	-47 42 49.09	-0.016	12	0.72	5.098	45	02.1	48.32	45	02.1	B0	CZ	7843	P -47 3653
26	8.8E	8.5Z	48 11.206	0.0026	12	-49 33 19.24	-0.073	12	0.71	11.085	45	03.7	15.85	45	03.7	K0	CZ	7848	P -49 2836
27	10.0E	9.0Z	48 14.709	-0.0070	12	-42 19 18.45	0.008	12	0.64	15.046	28	01.7	18.83	26	01.7	G5	CZ	7845	P -41 4060
28	9.7E	9.0Z	48 15.798	0.0013	12	-45 56 4.68	-0.041	12	0.73	15.735	45	01.8	2.68	45	01.8	F2	CZ	7847	P -45 4094
29	9.7E	9.0Z	48 16.825	-0.0057	12	-40 37 21.10	0.017	12	0.85	17.114	63	99.2	21.99	57	99.2	K0	CZ	7846	P -40 3933
30	9.6E	9.7Z	48 17.040	-0.0009	12	-48 44 39.88	-0.013	12	0.71	17.085	45	03.3	39.26	45	03.3	A2	CZ	7852	P -48 2743
31		8.0T	48 19.054	-0.0013	14	-49 23 7.37	-0.065	11	0.67	19.115	22	01.4	3.88	21	96.1	F8	GC	13553K	C*-49 4730
32	8.5E	8.0Z	48 21.727	0.0002	12	-41 32 29.48	-0.012	12	0.67	21.716	28	98.7	28.88	26	98.7	K2	CZ	7849	P -41 4061
33	9.8E	9.7Z	48 28.040	-0.0021	12	-43 19 55.97	0.001	12	0.77	28.134	45	04.3	56.03	45	04.3	A0	CZ	7855	P -42 4095
34	9.8E	9.8Z	48 32.157	-0.0011	12	-48 36 8.82	-0.019	12	0.71	32.209	45	03.3	7.75	45	03.3	B9	CZ	7857	P -48 2745
35	9.9E	9.0Z	48 34.928	-0.0029	12	-49 56 35.28	-0.111	12	0.71	35.063	45	03.7	30.12	45	03.7		CZ	7859D	P*-49 2848
36	9.2E	9.4Z	48 44.916	0.0005	12	-43 51 36.10	-0.006	12	0.70	44.894	45	04.3	35.82	45	04.3	B9	CZ	7860	P -43 4089
37	9.1E	9.0Z	48 45.422	-0.0063	12	-48 25 9.78	0.009	12	0.71	45.715	45	03.3	10.18	45	03.3	F8	CZ	7865	P -48 2750
38		6.0T	48 46.723	-0.0038	12	-46 41 59.89	-0.014	09	0.57	46.916	22	99.0	+ 0.64	17	96.0	K0	GC	13563	C -46 5558
39	12.2E	10.2H	48 48.173	-0.0024	12	-44 27 31.77	-0.012	12	0.74	48.292	45	00.8	31.18	45	00.8	A0	CZ	7862	P -44 4268
40	9.6E	9.0Z	48 49.423	-0.0003	12	-44 27 24.78	-0.003	12	0.67	49.439	31	99.9	24.63	28	99.9	A0	CZ	7863	P -44 4268
41	9.1E	8.3*	48 49.448	-0.0012	12	-43 7 58.31	-0.038	12	0.64	49.504	28	01.6	56.48	26	01.6	K2	CZ	7861	P -42 4100
42	10.2E	9.0Z	48 50.940	-0.0006	12	-46 17 43.58	-0.035	12	0.72	50.968	45	02.2	41.89	45	02.2		CZ	7867	P -45 4111
43	10.4E	9.6*	48 56.090	-0.0002	12	-48 53 24.89	-0.016	12	0.65	56.103	31	01.9	24.12	28	01.9		CZ	7869	P -48 2754
44	8.3E	8.0Z	49 5.019	0.0402	12	-43 15 40.10	-0.446	12	0.70	3.180	45	04.3	19.71	45	04.3	K5	CZ	7868	P -42 4101
45	9.3E	9.0Z	49 7.839	-0.0014	12	-48 21 3.47	-0.008	12	0.65	7.904	31	01.9	3.06	31	01.9	A0	CZ	7872	P -48 2756
46	9.9E	9.0Z	49 11.807	-0.0032	12	-47 50 12.87	-0.007	12	0.72	11.959	45	02.1	12.51	45	02.1	A0	CZ	7874	P -47 3677
47		5.7H	49 23.441	-0.0038	04	-45 57 33.54	0.030	04	0.14	23.549	08	21.4	34.43	07	20.7	K0	F4	1256	C -45 5499
48	9.7E	9.0Z	49 40.016	-0.0019	12	-49 17 18.35	-0.012	12	0.64	40.105	31	02.2	17.77	28	02.2	A3	CZ	7884	P -48 2768
49	10.2E	9.5Z	49 40.865	0.0006	12	-48 43 7.22	-0.023	12	0.71	40.838	45	03.3	6.16	45	03.3	K0	CZ	7883	P -48 2766
50	9.1E	9.0Z	49 41.220	-0.0006	12	-43 18 21.85	-0.014	12	0.70	41.245	45	04.3	21.22	45	04.3	A0	CZ	7879	P -42 4106
51		7.3T	9 49 42.601	-0.0040	12	-46 16 37.43	0.007	11	0.65	42.809	19	98.1	37.81	18	95.0	B8	GC	13586	C -45 5507
52	9.9E	9.3Z	49 42.633	-0.0017	12	-45 37 42.32	-0.006	12	0.73	42.713	45	01.8	12.02	45	01.8	A0	CZ	7880	P -45 4127
53		4.6T	49 44.636	-0.0013	06	-46 18 45.25	-0.003	05	0.26	44.693	09	07.9	45.12	09	05.3	G5	GC	13587	C*-45 5508
54	7.8E	8.0Z	49 49.034	-0.0007	12	-44 55 21.33	0.003	12	0.67	49.069	31	99.9	21.49	28	99.9	B9	CZ	7887	P -44 4290
55	9.4E	9.0Z	49 57.748	-0.0005	12	-42 12 11.78	-0.019	12	0.67	57.773	28	98.6	10.80	26	98.6	A0	CZ	7888	P -41 4081
56	9.0E	9.4Z	50 4.792	-0.0017	12	-42 44 29.31	-0.017	12	0.70	4.868	45	04.3	28.54	45	04.3	A0	CZ	7890	P -42 4115
57	9.6E	9.0Z	50 6.067	-0.0060	12	-49 49 39.03	-0.008	12	0.72	6.446	45	02.7	38.63	45	02.7	G0	CZ	7892	P -49 2877
58	8.9E	9.0Z	50 7.750	-0.0032	12	-43 33 44.77	0.000	12	0.64	7.903	28	01.6	44.78	26	01.6	A5	CZ	7891	P -43 4113
59	9.9E	9.7Z	50 9.228	-0.0020	12	-48 38 17.13	0.007	12	0.72	9.325	45	02.2	17.48	45	02.2	A0	CZ	7893	P -48 2775
60	9.6E	9.0Z	50 17.580	-0.0006	12	-44 48 48.56	0.009	12	0.74	17.611	45	00.8	49.01	45	00.8	A2	CZ	7894	P -44 4301
61	10.0E	10.0Z	50 27.826	-0.0011	12	-43 19 22.14	-0.024	12	0.70	27.875	45	04.3	21.06	45	04.3	A	CZ	7896	P -42 4123
62	9.2E	9.0Z	50 33.101	-0.0004	12	-46 1 43.12	-0.002	12	0.73	33.119	45	01.8	43.01	45	01.8	A2	CZ	7898	P -45 4141
63	9.9E	8.5Z	50 37.118	-0.0017	12	-42 25 27.81	-0.023	12	0.70	37.194	45	04.3	26.75	45	04.3	K0	CZ	7897	P -42 4127
64	10.8E	9.3*	50 37.467	-0.0019	12	-46 58 36.92	-0.018	12	0.66	37.559	31	00.8	36.02	28	00.8		CZ	7901	P -46 4010
65	9.0E	9.0Z	50 42.819	-0.0004	12	-42 31 41.60	-0.029	12	0.70	42.836	45	04.3	40.27	45	04.3	A2	CZ	7900	P -42 4129
66	8.7E	9.2H	50 42.959	-0.0025	12	-40 18 47.57	-0.043	12	0.68	43.089	28	97.9	45.35	26	97.9	B9	CZ	7899	P -39 3984
67	10.7E	9.5Z	50 43.471	-0.0079	12	-47 26 28.34	-0.005	12	0.66	43.860	31	00.8	28.08	28	00.8		CZ	7902	P -47 3698
68	10.0E	9.8Z	50 44.728	-0.0002	12	-48 35 46.85	-0.004	12	0.72	44.739	45	02.2	46.67	45	02.2		CZ	7903	P -48 2790
69	10.2E	9.3*	50 56.954	0.0024	12	-44 3 31.02	-0.048	12	0.63	56.840	28	01.9	28.71	26	01.9	F8	CZ	7905	P -43 4132
70	9.2E	9.0Z	51 5.923	-0.0024	12	-42 32 17.66	-0.017	12	0.70	6.031	45	04.3	16.88	45	04.3	A0	CZ	7907	P -42 4136
71		8.2T	51 7.904	-0.0038	17	-46 27 5.34	-0.027	13	0.74	8.076	24	04.9	4.06	24	02.7	G5	GC	13609	C -46 5587
72	9.8E	9.0Z	51 10.661	-0.0066	12	-49 16 30.36	-0.121	12	0.72	10.976	45	02.7	24.63	45	02.7	G0	CZ	7913	P -48 2797
73	9.7E	9.0Z	51 11.665	-0.0003	12	-49 31 53.39	-0.025	12	0.65	11.680	31	01.5	52.17	28	01.5	A3	CZ	7915	P -49 2892
74	8.2E	8.0Z	51 17.169	-0.0044	12	-48 41 36.94	0.004	12	0.72	17.381	45	02.2	37.15	45	02.2	K0	CZ	7917	P -48 2799
75		7.1T	51 17.366	-0.0057	12	-44 20 55.94	0.010	11	0.65	17.650	22	99.8	56.51	19	95.2	F5	GC	13611	C -43 5706
76	9.5E	9.5Z	51 23.242	-0.0033	12	-48 1 57.78	-0.004	12	0.68	23.399	36	02.1	57.57	36	02.1	F2	CZ	7919	P -47 3707
77	9.3E	8.9Z	51 27.226	-0.0030	12	-46 30 48.57	0.004	12	0.68	27.368	36	02.1	48.74	36	02.1	G0	CZ	7921	P -46 4021
78	9.6E	8.5Z	51 27.360	-0.0015	12	-42 57 36.35	-0.028	12	0.70	27.427	45	04.3	35.07	45	04.3	K0	CZ	7918	P -42 4145
79		7.4T	51 35.251	-0.0051	15	-42 4 24.94	-0.038	11	0.70	35.505	18	00.4	22.94	17	96.9	F2	GC	13619	C -41 5423
80	10.6E	9.5*	51 40.439	-0.0041	12	-40 34 9.92	0.005	12	0.69	40.652	31	97.8	10.20	28	97.8		CZ	7925	P -40 3990
81	9.6E	9.5Z	51 40.567	0.0000	12	-42 34 38.68	-0.029	12	0.66	40.566	36	03.6	37.33	36	03.6	F	CZ	7926	P -42 4147
82		7.4T	51 42.144	-0.0054	10	-41 36 39.46	0.013	08	0.42	42.371	15	08.0	40.06	14	04.9	F0	GC	13622	C -41 5425
83	9.6E	9.0Z	51 47.205	-0.0019	12	-45 34 43.34	-0.011	12	0.68	47.294	36	01.6	42.79	36	01.6	A2	CZ	7933	P -45 4172
84	9.8E	9.3Z	51 51.968	-0.0021	12	-47 58 10.28	-0.010	12	0.68	52.066	36	02.1	9.78	36	02.1	A0	CZ	7936	P -47 3715
85	9.6E	8.7Z	51 53.163	-0.0036	12	-41 17 10.18	-0.004	12	0.65	53.339	28	00.7	10.00	26	00.7	F0	CZ	7934	P -40 3996
86	10.8E	9.0Z	52 4.905	0.0004	12	-43 22 42.13	-0.029	12	0.63	4.884	28	02.0	40.75	26	02.0		CZ	7937	P -43 4153
87	9.4E	8.5Z	52 10.381	-0.0029	12	-45 5 39.48	0.011	12	0.65	10.526	28	00.2	40.02	26	00.2		CZ	7939	P -44 4337
88	9.2E	9.1*	52 11.307	-0.0026	12	-47 57 48.10	-0.007	12	0.64	11.433	28	01.1	47.74	26	01.1	A0	CZ	7942	P -47 3720
89	9.8E	9.0Z	52 16.515	-0.0035	12	-49 19 5.30	0.002	12	0.72	16.683	45	02.7	5.38	45	02.7	F2	CZ	7944	P -48 2812
90		7.5T	52 17.032	-0.0035	22	-42 40 49.46	0.020	20	1.01	17.196	19	03.1	50.39	19	02.5	G5	GC	13634	C -42 5736
91		8.0T	52 18.839	-0.0003	26	-45 2 51.00	-0.002	20	1.03	18.851	24	06.6	50.92	24	04.7		GC	13636K	C -44 5987
92		5.9T	52 19.236	-0.0024	10	-45 2 48.57	-0.010	07	0.52	19.366	18	95.0	47.96	15	89.5	B5	GC	13637K	C*-44 5987
93		6.7T	52 26.253	-0.0046	14	-46 24 0.51	-0.006	10	0.65	26.479	17	01.1	0.19	18	96.7	K0	GC	13641	C -46 5613
94		8.6T	52 32.832	0.0032	20	-45 29 34.71	0.144	20	0.94	32.681	19	03.1	41.56	19	02.5	G5	GC	13646	C*-45 5556
95	8.2E	8.5Z	52 35.929	-0.0030	12	-49 7 47.04	-0.004	12	0.65	36.077	31	01.2	46.83	28	01.2	B9	CZ	7949	P -48 2816
96	8.9E	7.5Z	52 38.258	-0.0012	12	-43 5 3.25	-0.019	12	0.73	38.314	45	01.3	2.34	45	01.3	K0	CZ	7948	P -42 4159
97	8.9E	8.5Z	52 44.917	-0.0028	12	-45 32 7.85	0.002	12	0.73	45.050	45	01.8	7.93	45	01.8	A0	CZ	7950	P -45 4187
98	8.9E	8.0Z	52 47.967	-0.0003	12	-43 18 35.58	-0.024	12	0.73	47.980	45	01.3	34.41	45	01.3	K2	CZ	7952	P -42 4162
99	9.9E	8.8Z	52 48.229	-0.0059	12	-47 49 55.83	0.019	12	0.68	48.510	36	02.1	56.76	36	02.1	K0	CZ	7954	P -47 3731
00	8.8E	9.0Z	52 56.759	-0.0001	12	-44 34 25.38	-0.000	12	0.67	58.765	31	99.9	25.38	28	99.9	F0	CZ	7956	P -44 4348

221600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 9H DM NUMBER
1		8.2T	9 53 0.043	-0.0239	18	-40 31 25.39	0.120	20	0.92	1.179	18	02.5	31.09	18	02.4	F5	GC	13656	C -40 5610
2	8.1E	7.7M	53 7.250	-0.0025	12	-45 30 13.46	-0.014	12	0.73	7.373	45	01.8	12.79	45	01.8	B9	CZ	7958	P -45 4193
3	11.3E	9.5*	53 12.602	-0.0008	12	-44 1 48.71	-0.016	12	0.67	12.643	31	99.9	47.90	28	99.9		CZ	7963	P -43 4176
4	9.4E	9.5Z	53 13.840	-0.0002	12	-40 49 55.10	-0.005	12	0.60	13.848	63	06.3	54.90	57	06.3		CZ	7962	P -40 4015
5	10.4E	9.7Z	53 16.080	-0.0007	12	-44 3 13.67	-0.015	12	0.68	18.117	31	99.7	12.92	31	99.7		CZ	7965	P -43 4178
6	9.5I		53 23.128	-0.0011	17	-41 20 59.23	-0.035	14	0.80	23.183	18	01.4	57.41	19	98.2	MB	GC	13668x	C*-40 5616
7		7.7T	53 26.094	-0.0041	12	-40 11 49.70	-0.000	09	0.55	26.292	17	02.2	49.69	15	98.0	A0	GC	13669	C*-39 5961
8	9.4E	9.5Z	53 34.691	-0.0018	12	-45 56 36.64	-0.018	12	0.73	34.778	45	01.8	35.75	45	01.8		CZ	7967	P -45 4206
9		8.9T	53 39.428	-0.0039	28	-48 8 22.46	-0.061	20	1.09	39.591	28	07.5	19.68	24	04.5	A2	GC	13675	C -47 5370
10	9.3E	8.5Z	53 40.821	0.0006	12	-44 36 30.89	-0.016	12	0.74	40.793	45	00.8	30.09	45	00.8	K0	CZ	7969	P -44 4361
11	9.0E	9.0Z	53 41.935	-0.0021	12	-43 7 52.15	-0.020	12	0.73	42.035	45	01.3	51.19	45	01.3	A2	CZ	7968	P -42 4180
12	9.7E	8.9Z	53 45.578	-0.0013	12	-42 45 14.94	-0.015	12	0.73	45.639	45	01.3	14.22	45	01.3	G5	CZ	7970	P -42 4181
13		7.8T	53 46.291	-0.0014	12	-42 57 0.73	-0.004	11	0.66	46.361	22	99.9	0.51	19	95.4	A3	GC	13678	C -42 5760
14	9.8E	9.0*	53 49.923	-0.0006	12	-42 0 25.80	-0.016	12	0.64	49.951	28	01.2	25.02	28	01.2	A0	CZ	7972	P -41 4141
15	9.8E	9.6Z	53 58.550	-0.0053	12	-49 26 40.80	0.039	12	0.72	56.778	45	02.7	42.64	45	02.7	F2	CZ	7976	P -49 2934
16	9.4E	8.8Z	53 57.979	-0.0011	12	-43 22 48.38	-0.012	12	0.73	58.030	45	01.3	47.81	45	01.3	A3	CZ	7973	P -43 4191
17		6.3T	54 1.566	-0.0007	17	-40 35 11.18	-0.038	17	0.69	1.595	14	10.2	9.66	14	10.1	M0	GC	13685	C -40 5626
18	9.8E	9.0Z	54 13.474	-0.0015	12	-47 49 6.64	-0.004	12	0.72	13.545	45	02.1	6.43	45	02.1	A2	CZ	7979	P -47 3747
19	9.8E	9.5Z	54 14.025	-0.0019	12	-45 38 17.74	-0.014	12	0.73	14.114	45	01.8	17.05	45	01.8		CZ	7977	P -45 4220
20	9.8E	9.0Z	54 17.162	0.0004	12	-48 49 22.43	-0.059	12	0.72	17.141	45	02.2	19.60	45	02.2	F8	CZ	7983	P -48 2838
21	9.5E	9.6Z	54 17.669	-0.0018	12	-47 56 12.12	0.002	12	0.72	17.774	45	02.1	12.19	45	02.1	A0	CZ	7981	P -47 3748
22	9.8E	8.8Z	54 18.716	0.0020	12	-47 27 39.01	0.006	12	0.72	18.621	45	02.1	38.28	45	02.1	G5	CZ	7982	P -47 3749
23		7.8T	54 19.518	-0.0059	16	-45 1 6.40	-0.000	13	0.80	19.792	22	03.4	6.40	21	99.0	K0	GC	13694	C -44 6018
24	9.8E	8.5Z	54 23.211	-0.0004	12	-46 9 9.52	-0.018	12	0.65	23.230	28	00.6	8.62	26	00.6	K0	CZ	7984	P -45 4225
25	7.8E	7.3Z	54 26.052	-0.0012	12	-47 30 57.02	-0.007	12	0.66	26.112	31	00.8	56.67	28	00.8	G5	CZ	7985	P -47 3752
26	8.7E	8.5Z	54 29.778	-0.0002	12	-46 49 30.15	-0.009	12	0.66	29.786	31	00.8	29.69	28	00.8	A2	CZ	7988	P -46 4070
27	9.8E	9.0Z	54 31.315	-0.0016	12	-48 35 14.21	0.000	12	0.65	31.394	31	01.2	14.23	28	01.2	F0	CZ	7990	P -48 2844
28		8.2T	54 31.799	-0.0032	16	-48 10 18.85	-0.026	13	0.80	31.946	24	03.9	17.53	21	99.2	K5	GC	13699	C -47 5385
29	9.1E	9.1Z	54 40.705	0.0003	12	-40 43 57.48	-0.013	12	0.80	40.691	63	06.3	56.93	57	06.3	A0	CZ	7989	P -40 4039
30	10.1E	9.1Z	54 46.555	-0.0044	12	-42 21 23.20	0.004	12	0.66	46.775	28	99.6	23.40	28	99.6	G5	CZ	7993	P -42 4198
31	8.2E	8.0Z	54 55.586	0.0008	12	-47 26 17.72	-0.013	12	0.72	55.547	45	02.1	17.08	45	02.1	K0	CZ	7995	P -47 3761
32	9.0E	8.5Z	55 10.159	0.0044	12	-46 26 20.93	-0.036	12	0.72	9.948	45	02.2	19.09	45	02.2	K5	CZ	7997	P -46 4086
33	9.7E	9.0Z	55 15.328	0.0003	12	-48 55 56.63	-0.019	12	0.72	15.311	45	02.2	55.72	45	02.2	F2	CZ	8001	P -48 2857
34		7.5T	55 19.543	-0.0037	11	-49 37 54.11	0.002	08	0.43	19.694	15	09.2	54.20	15	05.7	B8	GC	13717K	C*-49 4831
35	9.2E	8.5Z	55 19.913	-0.0014	12	-43 4 15.02	-0.020	12	0.66	19.982	28	99.7	14.03	28	99.7	F8	CZ	8000	P -42 4208
36	9.3E	9.3Z	55 20.720	-0.0017	12	-42 11 41.61	-0.025	12	0.64	20.802	28	01.2	40.39	26	01.2	B8	CZ	7998	P -41 4166
37	9.8E	9.3M	55 20.810	-0.0005	12	-45 23 37.60	-0.004	12	0.66	20.837	31	00.6	37.39	28	00.6	B3	CZ	8002	P -45 4246
38	12.1E	11.6Z	55 21.180	-0.0011	12	-42 11 49.88	-0.021	12	0.71	21.231	45	03.3	48.90	45	03.3	B8	CZ	7999	P -41 4166
39	9.8E	9.5Z	55 23.152	0.0000	12	-47 50 1.22	0.008	12	0.72	23.151	45	02.1	1.58	45	02.1	F0	CZ	8004	P -47 3770
40		7.0T	55 28.304	-0.0019	14	-49 19 1.84	0.007	10	0.64	28.393	19	02.0	2.23	19	95.6	G0	GC	13719	C -48 5168
41	8.7E	9.0Z	55 39.733	-0.0026	12	-47 19 25.31	-0.007	12	0.72	39.857	45	02.1	24.96	45	02.1	A0	CZ	8008	P -46 4095
42	9.1E	9.0Z	55 41.835	-0.0012	12	-43 27 38.26	0.002	12	0.65	41.893	28	99.9	38.37	28	99.9	F5	CZ	8006	P -43 4217
43	9.6E	9.5Z	55 45.391	-0.0036	12	-49 7 54.17	-0.002	12	0.72	45.566	45	02.2	54.07	45	02.2	F0	CZ	8014	P -48 2865
44		6.4T	55 47.268	-0.0020	07	-48 10 30.32	-0.017	06	0.31	47.353	09	07.2	29.53	09	03.7	B8	GC	13727K	C -47 5399
45	9.4E	8.5Z	55 48.095	-0.0027	12	-45 41 39.60	-0.026	12	0.73	48.223	45	01.8	38.53	45	01.8	K5	CZ	8010	P -45 4257
46	9.3E	9.6Z	55 50.855	-0.0012	12	-49 18 26.81	-0.004	12	0.67	50.914	36	02.9	25.67	36	02.9	A0	CZ	8017	P -48 2866
47	9.7E	9.0*	55 53.326	-0.0012	12	-40 20 49.17	-0.025	12	0.63	53.363	28	01.8	47.99	26	01.8	F5	CZ	8009	P -39 4068
48	9.0E	8.5Z	55 55.477	-0.0016	12	-42 36 3.75	-0.013	12	0.73	55.553	45	01.3	3.11	45	01.3	A0	CZ	8016	P -42 4217
49	9.2E	8.8Z	56 1.265	-0.0062	12	-44 40 0.71	0.003	12	0.67	1.576	31	99.9	0.85	28	99.9	F8	CZ	8018	P -44 4397
50	9.3E	9.5Z	56 4.529	-0.0013	12	-47 23 50.55	-0.003	12	0.72	4.591	45	02.1	50.39	45	02.1	A5	CZ	8019	P -47 3781
51	8.5E	8.8Z	9 56 9.962	0.0000	12	-46 47 56.03	-0.009	12	0.68	9.960	36	02.1	55.58	36	02.1	B9	CZ	8021	P -46 4104
52	9.1E	8.0Z	56 11.999	-0.0014	12	-41 57 21.84	-0.009	12	0.71	12.064	45	03.3	21.41	45	03.3	K2	CZ	8020	P -41 4181
53	10.2	8.7M	56 16.430	-0.0011	13	-40 5 11.36	-0.028	13	0.26	16.446	15	35.4	10.95	21	35.4	K2	CB	4567	C -39 6009
54	9.0E	8.8Z	56 19.214	-0.0010	12	-47 10 17.19	-0.011	12	0.68	19.261	36	02.1	16.64	36	02.1	G5	CZ	8023	P -46 4109
55	9.2E	9.0Z	56 34.871	-0.0032	12	-49 53 3.68	0.021	12	0.72	35.023	45	02.8	4.66	45	02.8	G5	CZ	8027	P -49 2976
56	8.1E	8.0Z	56 41.218	-0.0016	12	-41 7 12.18	0.004	12	0.64	41.296	28	01.3	12.40	26	01.3	G5	CZ	8026	P -40 4074
57	8.8E	9.0Z	56 56.850	-0.0010	12	-45 44 1.77	-0.007	12	0.68	56.895	36	01.9	1.41	36	01.9	B9	CZ	8029	P -45 4209
58	8.3E	7.8Z	56 58.823	-0.0054	12	-47 15 0.16	-0.000	12	0.69	59.088	36	00.8	0.14	36	00.8	K2	CZ	8031	P -46 4126
59	8.7E	9.0Z	57 2.441	-0.0012	12	-48 15 1.69	-0.037	12	0.65	2.499	28	00.5	59.83	26	00.5	K0	CZ	8034	P -47 3791
60	10.8E	9.0Z	57 4.240	-0.0031	12	-41 36 35.00	-0.005	12	0.64	4.391	28	01.0	34.77	26	01.0		CZ	8030	P -41 4194
61	9.4E	9.9*	57 6.915	-0.0022	12	-43 23 46.63	-0.016	12	0.64	7.019	28	01.5	45.86	26	01.5	A0	CZ	8033	P -43 4242
62	8.4E	8.0Z	57 7.118	0.0023	12	-49 39 17.76	-0.068	12	0.72	7.009	45	02.8	14.54	45	02.8	G5	CZ	8037	P -49 2982
63	8.9E	9.0Z	57 7.253	-0.0021	12	-42 9 17.56	0.001	12	0.65	7.355	28	00.9	17.60	26	00.9	A0	CZ	8032	P -41 4195
64		8.5T	57 10.672	-0.0015	17	-44 45 58.58	-0.034	16	0.79	10.738	24	04.4	57.02	24	03.4	K0	GC	13747	C -44 6062
65	8.6E	8.0Z	57 14.943	-0.0022	12	-46 51 8.64	-0.010	12	0.64	15.049	28	01.1	8.13	26	01.1	K2	CZ	8038	P -46 4131
66	8.4E	8.5Z	57 17.604	-0.0022	12	-46 3 16.28	0.009	12	0.65	17.712	28	00.9	16.70	26	00.9	F0	CZ	8040	P -45 4274
67	9.1E	9.0*	57 20.542	-0.0021	12	-42 27 57.16	-0.019	12	0.65	20.646	28	00.0	56.20	26	00.0	A2	CZ	8039	P -42 4240
68		6.9T	57 26.001	-0.0036	12	-44 42 55.38	-0.016	09	0.60	26.176	18	00.9	54.52	21	94.4	A0	GC	13750K	C -44 6084
69	11.0E	9.3M	57 27.162	-0.0009	12	-44 43 5.56	0.002	12	0.67	27.206	36	02.6	5.66	36	02.6	A0	CZ	8043	P -44 4416
70	10.0E	9.0Z	57 28.607	-0.0019	12	-45 33 48.22	0.004	12	0.65	28.698	28	00.9	48.40	26	00.9		CZ	8044	P -45 4279
71	9.3E	9.0Z	57 29.904	-0.0021	12	-46 31 37.23	-0.013	12	0.64	30.006	28	01.1	36.57	26	01.1	A3	CZ	8045	P -46 4133
72	9.3E	9.3*	57 29.914	-0.0017	12	-48 58 19.69	-0.004	12	0.65	29.996	28	00.5	19.49	26	00.5	A0	CZ	8046	P -48 2887
73	10.0E	9.5Z	57 33.575	-0.0026	12	-49 46 31.34	-0.008	12	0.72	33.708	45	02.8	30.95	45	02.8	A2	CZ	8048	P -49 2987
74	9.3E	9.0Z	57 34.735	0.0004	12	-46 46 1.96	-0.008	12	0.68	34.735	36	02.1	1.56	36	02.1	A0	CZ	8047	P -46 4136
75	9.2E	9.0Z	57 42.761	-0.0018	12	-46 16 46.00	-0.005	12	0.69	42.847	36	00.9	45.74	36	00.9	A3	CZ	8051	P -47 3797
76	8.4E	9.0Z	57 43.053	-0.0008	12	-44 18 25.00	0.003	12	0.71	43.082	45	03.8	25.14	45	03.8	A2	CZ	8049	P -43 4254
77	9.1E	8.9Z	57 53.752	0.0010	12	-49 36 47.92	-0.004	12	0.72	53.705	45	02.8	46.76	45	02.8	G0	CZ	8054	P -49 2997
78	9.0E	8.9Z	57 57.049	-0.0008	12	-42 46 30.07	-0.013	12	0.66	57.087	28	99.6	29.42	26	99.6	K0	CZ	8053	P -42 4249
79	9.3E	9.0Z	57 59.444	-0.0004	12	-49 20 15.09	-0.008	12	0.65	59.461	31	01.6	14.89	28	01.6	F5	CZ	8057	P -48 2892
80	8.9E	8.5Z	58 1.882	-0.0006	12	-48 42 40.83	-0.014	12	0.74	1.893	45	00.3	40.15	45	00.3	K0	CZ	8058	P -48 2893
81	8.9E	8.0Z	58 3.472	-0.0018	12	-42 13 48.09	-0.002	12	0.71	3.554	45	03.3	47.99	45	03.3	K2	CZ	8055	P -41 4209
82	10.0E	9.0Z	58 4.909	0.0009	12	-44 57 11.06	-0.027	12	0.65	4.867	31	01.9	9.77	28	01.9		CZ	8056	P -44 4434
83	7.4E	8.3Z	58 9.291	-0.0016	12	-49 7 11.10	-0.009	12	0.74	9.371	45	00.3	10.06	45	00.3	B9	CZ	8062	P -48 2896
84	9.4E	9.0Z	58 11.690	0.0008	12	-45 47 17.41	-0.010	12	0.73	11.861	45	01.7	16.91	45	01.7	K2	CZ	8060	P -45 4291
85	9.2E	9.0Z	58 16.794	-0.0020	12	-49 59 39.10	-0.028	12	0.72	16.889	45	02.8	37.86	45	02.8	A0	CZ	8067	P -49 3001
86	8.9E	9.7M	58 18.048	-0.0013	12	-40 20 7.15	-0.029	12	0.80	18.104	63	06.3	5.90	57	06.3	A0	CZ	8061	P -39 4111
87	10.0	9.7M	58 19.055	0.0033	13	-40 2 3.74	-0.040	13	0.26	19.006	15	35.4	3.15	21	35.4	G0	CB	4583	C -39 6039
88	9.4E	9.5Z	58 20.044	-0.0031	12	-42 5 59.17	0.001	12	0.71	20.187	45	03.3	59.21	45	03.3	A3	CZ	8064	P -41 4213
89	9.8E	9.5Z	58 20.905	-0.0056	12	-40 40 24.59	-0.011	12	0.80	21.158	63	06.3	24.12	57	06.3	F5	CZ	8063	P -40 4105
90	8.8E	9.2Z	58 21.865	-0.0010	12	-44 11 32.07	-0.004	12	0.70	21.912	45	04.3	31.68	45	04.3	B5	CZ	8065	P -43 4265
91	7.7E	8.0Z	58 24.565	-0.0030	12	-42 38 45.41	-0.023	12	0.73	24.714	45	01.3	44.29	45	01.3	A2	CZ	8066	P -42 4251
92	9.8E	9.8Z	58 37.878	-0.0017	12	-42 15 44.69	-0.032	12	0.66	37.980	28	99.6	43.08	26	99.6	A2	CZ	8068	P -41 4220
93	9.5E	9.8M	58 42.606	-0.0028	12	-45 18 53.91	-0.003	12	0.73	42.739	45	01.7	53.75	45	01.7		CZ	8070	P -44 4447
94	9.8E	9.5Z	58 50.874	-0.0008	12	-49 39 28.15	-0.020	12	0.72	50.903	45	02.8	27.20	45	02.8	A0	CZ	8076	P -49 3009
95	8.8E	9.0Z	58 52.297	0.0005	12	-47 21 48.89	-0.016	12	0.67	52.231	31	99.5	47.96	28	99.5	A2	CZ	8075	P -47 3809
96	9.9E	8.5Z	58 54.973	-0.0026	12	-40 39 27.46	-0.009	12	0.80	55.086	63	06.3	27.08	57	06.3	K5	CZ	8072	P -40 4111
97	9.4E	9.0Z	58 58.680	-0.0019	12	-40 37 33.61	-0.023	12	0.80	58.962	63	06.3	32.62	57	06.3	A5	CZ	8074	P -40 4114
98	9.4E	8.8Z	59 0.580	-0.0021	12	-43 31 54.54	-0.008	12	0.70	0.674	45	04.3	54.18	45	04.3	K2	CZ	8077	P -43 4277
99	7.8E	8.5Z	59 1.708	-0.0003	12	-46 40 58.10	-0.017	12	0.73	1.724	45	02.1	57.27	45	02.1	A2	CZ	8078	P -46 4160
00	8.8E	8.5Z	59 7.495	-0.0042	12	-47 6 42.95	0.020	12	0.66	7.701	31	00.7	43.92	28	00.7	K0	CZ	8082	P -46 4162

221700

EPOCH 1950 — ORIGINAL EPOCH — -40° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.0E	9.5Z	9 59 9.537	-0.0018	12	-43 18 2.25	-0.023	12	0.70	9.617	45	04.3	1.21	45	04.3	A2	CZ	8079	P -42 4259
2	7.9E	8.5Z	59 12.272	-0.0001	12	-44 35 30.17	-0.015	12	0.65	12.276	31	01.9	29.46	28	01.9	A0	CZ	8083	P -44 4452
3	9.4E	9.0Z	59 21.174	0.0038	12	-47 17 28.73	-0.038	12	0.74	20.984	45	00.2	26.82	45	00.2	F8	CZ	8085	P -46 4166
4	9.1E	8.0Z	59 26.831	-0.0001	12	-43 19 42.83	-0.026	12	0.70	26.834	45	04.3	41.65	45	04.3	K0	CZ	8086	P -42 4265
5	9.8E	9.0Z	59 41.392	-0.0004	12	-43 20 56.31	-0.027	12	0.70	41.409	45	04.3	55.08	45	04.3	A2	CZ	8088	P -42 4271
6	8.1E	7.5Z	59 45.451	-0.0019	12	-42 14 39.13	-0.025	12	0.65	45.546	26	99.6	37.87	24	99.6	K0	CZ	8089	P -41 4238
7	8.1E	9.0Z	59 48.270	0.0001	12	-47 39 42.19	-0.019	12	0.74	48.263	45	00.2	41.23	45	00.2	B8	CZ	8091	P -47 3824
8	8.4E	8.8Z	59 50.108	-0.0021	12	-41 30 16.77	-0.010	12	0.71	50.203	45	03.3	16.32	45	03.3	A5	CZ	8090	P -41 4241
9	9.8E	9.5Z	59 50.681	-0.0001	12	-48 38 42.95	-0.018	12	0.74	50.688	45	00.3	42.07	45	00.3	A5	CZ	8094	P -48 2916
10	9.3E	9.5*	59 53.801	-0.0011	12	-44 3 0.47	-0.004	12	0.64	53.856	28	01.7	0.28	26	01.7	A2	CZ	8093	P -43 4288
11	10.1E	9.0Z	59 54.733	-0.0011	12	-48 43 59.15	-0.005	12	0.74	54.789	45	00.3	58.92	45	00.3	K0	CZ	8095	P -48 2919
12	8.5E	8.5*	59 55.419	-0.0036	12	-41 42 52.10	0.000	12	0.64	55.594	28	01.2	52.12	26	01.2	A3	CZ	8092	P -41 4243
13	9.6E	9.5Z	10 0 0.976	-0.0018	12	-44 50 24.92	-0.006	12	0.71	1.061	45	03.8	24.65	45	03.8		CZ	8096	P -44 4464
14	9.1E	8.5Z	0 12.581	0.0012	12	-46 32 28.43	-0.030	12	0.73	12.522	45	02.1	26.97	45	02.1	K0	CZ	8098	P -46 4175
15	9.1E	9.3Z	0 18.319	-0.0017	12	-42 53 49.16	-0.009	12	0.73	18.399	45	01.3	48.73	45	01.3	A5	CZ	8099	P -42 4279
16	9.3E	9.0Z	0 19.773	-0.0004	12	-48 40 36.01	-0.034	12	0.74	19.794	45	00.3	34.33	45	00.3	A2	CZ	8100	P -48 2928
17	9.1E	9.3Z	0 25.251	-0.0015	12	-47 42 27.15	-0.003	12	0.74	25.324	45	00.2	26.99	45	00.2	A2	CZ	8101	P -47 3834
18	9.7E	9.8Z	0 31.016	-0.0035	12	-48 15 38.57	0.002	12	0.74	31.168	45	00.3	38.65	45	00.3	A2	CZ	8103	P -47 3835
19	9.7E	9.0Z	0 35.455	-0.0016	12	-41 19 42.74	-0.016	12	0.64	35.533	28	01.2	41.97	26	01.2	A2	CZ	8102	P -40 4141
20		7.7T	0 36.479	-0.0038	10	-48 37 12.25	-0.014	08	0.41	36.634	15	06.6	11.63	15	05.0	B5	GC	13811	C -48 5241
21	9.9E	9.5H	0 42.909	0.0036	12	-40 21 30.65	-0.063	12	0.65	42.735	31	01.8	27.63	28	01.8	K0	CZ	8104	P -39 4150
22	9.5E	9.9Z	0 46.759	-0.0010	12	-44 53 44.90	-0.004	12	0.71	46.807	45	03.8	44.72	45	03.8		CZ	8106	P -44 4472
23	10.2E	9.5*	0 58.683	-0.0014	12	-42 1 47.53	-0.012	12	0.64	58.750	28	01.3	46.94	26	01.3		CZ	8107	P -41 4255
24	9.6E	9.0Z	1 8.423	0.0028	12	-41 39 1.98	-0.035	12	0.71	8.292	45	03.3	0.37	45	03.3		CZ	8108	P -41 4256
25	9.6E	9.0*	1 8.881	-0.0012	12	-49 4 38.46	-0.022	12	0.67	8.944	31	99.9	37.35	28	99.9	A2	CZ	8110	P -48 2940
26	10.1	10.3W	1 10.443	0.0025	13	-40 1 11.09	-0.023	13	0.26	10.406	15	35.4	10.75	21	35.4	A0	CB	4610	C -39 6085
27	8.3E	8.0*	1 15.172	-0.0055	12	-43 35 55.74	0.043	12	0.64	15.435	28	01.7	57.82	26	01.7	K0	CZ	8109	P -43 4307
28		6.3T	1 21.512	-0.0033	15	-46 23 36.21	-0.012	09	0.65	21.670	22	02.2	35.53	19	92.4	A0	GC	13830	C -46 5759
29	9.5E	9.5Z	1 26.301	-0.0011	12	-47 52 35.71	-0.007	12	0.69	26.354	36	00.8	35.34	36	00.8	A5	CZ	8115	P -47 3849
30	9.6E	8.8H	1 28.471	-0.0034	12	-45 11 51.08	-0.011	12	0.64	28.637	28	01.7	50.55	26	01.7	K2	CZ	8114	P -44 4482
31	9.2E	9.0Z	1 31.284	-0.0057	12	-48 39 32.67	-0.005	12	0.74	31.569	45	00.3	32.44	45	00.3	F0	CZ	8117	P -48 2942
32	8.9E	8.8Z	1 33.568	-0.0011	12	-49 48 42.44	-0.014	12	0.72	33.621	45	02.8	41.77	45	02.8	A0	CZ	8119	P -49 3040
33	8.3E	8.3H	1 33.829	-0.0002	12	-45 27 9.52	-0.016	12	0.65	33.841	28	00.7	8.72	26	00.7	A2	CZ	8116	P -45 4342
34	9.9E	10.0Z	1 35.707	-0.0012	12	-46 43 7.10	-0.010	12	0.68	35.763	36	02.1	6.60	36	02.1		CZ	8118	P -46 4199
35	9.1E	9.0Z	1 39.930	0.0006	12	-46 1 4.85	-0.016	12	0.65	39.900	28	00.7	4.05	26	00.7		CZ	8120D	P*-45 4343
36	9.3E	9.2Z	1 43.500	-0.0016	12	-42 58 57.29	-0.011	12	0.66	43.579	28	99.3	56.74	26	99.3	G5	CZ	8121	P -42 4303
37	8.9E	9.4H	1 44.699	-0.0019	12	-45 31 13.51	-0.006	12	0.68	44.788	36	01.5	13.21	36	01.5	A0	CZ	8122	P -45 4347
38	9.7E	9.0Z	1 47.170	-0.0010	12	-45 58 46.63	-0.029	12	0.68	47.218	36	01.5	45.21	36	01.5		CZ	8123	P -45 4349
39	9.6E	9.0Z	1 50.785	-0.0012	12	-49 52 41.74	-0.015	12	0.64	50.844	28	01.3	40.99	26	01.3		CZ	8128	P -49 3050
40		8.9T	1 50.952	0.0018	12	-47 54 50.45	-0.012	11	0.64	50.861	19	99.8	49.81	18	96.8	B8	GC	13841	C -47 5490
41	8.6E	9.0Z	1 56.405	-0.0032	12	-40 44 2.86	-0.054	12	0.65	56.563	28	00.7	0.22	26	00.7	F5	CZ	8124	P -40 4159
42	9.4E	8.8Z	1 57.979	-0.0040	12	-43 32 1.08	0.006	12	0.67	58.168	36	02.3	1.37	36	02.3	K0	CZ	8127	P -43 4316
43	8.7E	9.0Z	1 59.952	-0.0016	12	-42 33 8.88	-0.012	12	0.66	+ 0.032	28	99.5	8.27	26	99.5	B9	CZ	8129	P -42 4305
44	9.9E	9.0Z	2 2.983	0.0000	12	-40 43 36.80	-0.014	12	0.72	2.982	45	02.3	36.15	45	02.3	K5	CZ	8130	P -40 4162
45	8.4E	8.5Z	2 3.218	-0.0034	12	-48 23 4.61	0.006	12	0.75	3.390	45	99.2	4.89	45	99.2	K0	CZ	8133	P -48 2945
46	9.4E	9.0Z	2 6.459	0.0007	12	-42 25 57.20	-0.040	12	0.69	6.423	36	00.3	55.20	36	00.3	K	CZ	8132	P -42 4307
47	10.5E	9.7*	2 13.793	-0.0026	12	-49 22 25.32	0.006	12	0.65	13.919	31	00.9	25.61	28	00.9		CZ	8135	P -49 3062
48	9.1E	9.0Z	2 18.862	-0.0003	12	-42 26 48.85	-0.010	12	0.69	18.876	36	00.3	48.35	36	00.3	A0	CZ	8134	P -42 4309
49		6.8T	2 23.734	-0.0059	12	-48 12 10.82	0.035	09	0.61	24.034	22	98.9	12.81	19	93.2	G5	GC	13855	C -47 5500
50	9.8E	9.0Z	2 27.402	-0.0009	12	-47 40 8.62	0.006	12	0.69	27.445	36	00.8	8.90	36	00.8	K5	CZ	8138	P -47 3863
51	9.8E	9.5Z	10 2 29.538	-0.0005	12	-41 53 45.33	-0.006	12	0.75	29.562	45	99.3	45.02	45	99.3		CZ	8136	P -41 4279
52	9.1E	8.2Z	2 31.716	0.0003	12	-44 26 48.35	-0.011	12	0.64	31.703	28	01.7	47.82	26	01.7	K2	CZ	8139	P -44 4506
53	8.9E	8.0Z	2 37.071	-0.0030	12	-41 58 54.55	0.013	12	0.75	37.222	45	99.3	55.20	45	99.3	K5	CZ	8141	P -41 4282
54	9.6E	9.7Z	2 41.895	-0.0027	12	-44 36 4.35	0.016	12	0.71	42.021	45	03.8	5.08	45	03.8	F0	CZ	8145	P -44 4508
55	9.2E	9.0Z	2 42.854	-0.0012	12	-43 58 27.97	0.003	12	0.65	42.915	28	00.6	28.12	26	00.6	A2	CZ	8146	P -43 4329
56		8.6T	3 0.303	-0.0015	20	-44 20 46.84	-0.007	15	0.85	0.368	24	04.9	46.51	22	00.8	K0	GC	13868	C -43 5898
57	8.8E	8.0Z	3 0.318	0.0020	12	-46 41 36.08	0.016	12	0.66	0.220	31	00.7	36.84	28	00.7	K0	CZ	8154	P -46 4215
58		7.2T	3 5.398	0.0040	12	-45 39 9.50	-0.039	11	0.63	5.192	21	98.4	7.39	18	96.0	K0	GC	13871K	C*-45 5735
59	10.6E	8.9H	3 5.989	0.0030	12	-45 39 6.07	-0.017	12	0.73	5.843	45	01.7	5.23	45	01.7	K0	CZ	8157D	P -45 4362
60		6.6T	3 7.983	0.0047	09	-41 55 43.15	-0.004	07	0.39	7.780	15	06.6	42.97	14	02.1	K0	GC	13873	C -41 5585
61	9.3E	9.7Z	3 8.776	-0.0024	12	-47 46 12.16	0.010	12	0.74	8.894	45	00.2	12.63	45	00.2	A0	CZ	8159	P -47 3874
62	8.6E	8.5Z	3 17.360	-0.0034	12	-47 32 45.27	0.003	12	0.67	17.530	31	99.5	45.40	28	99.5	F5	CZ	8161	P -47 3877
63	9.7E	9.0Z	3 31.452	-0.0031	12	-48 42 1.47	0.035	12	0.75	31.607	45	99.2	3.26	45	99.2		CZ	8165	P -48 2961
64	9.7E	9.3Z	3 33.526	-0.0064	12	-45 58 58.84	-0.006	12	0.73	33.838	45	01.7	58.53	45	01.7		CZ	8163	P -45 4371
65	8.8E	8.4Z	3 36.357	-0.0051	12	-41 42 6.72	-0.026	12	0.75	36.615	45	99.3	5.42	45	99.3	F8	CZ	8162	P -41 4300
66	10.3E	9.9*	3 39.718	-0.0009	12	-43 8 6.57	-0.007	12	0.67	39.763	28	98.6	6.22	26	98.6		CZ	8166	P -42 4331
67	9.7E	9.2Z	3 42.723	-0.0015	12	-45 13 57.78	-0.007	12	0.71	42.794	45	03.8	57.46	45	03.8		CZ	8167	P -44 4526
68	9.4E	9.5Z	3 45.191	-0.0004	12	-43 44 3.23	-0.013	12	0.72	45.208	45	02.3	2.98	45	02.3	A0	CZ	8168	P -43 4344
69	8.9E	8.5Z	3 54.013	0.0008	12	-40 37 15.78	-0.030	12	0.69	53.970	31	97.7	14.23	28	97.7	K0	CZ	8170	P -40 4195
70	9.2E	9.3Z	3 59.330	-0.0002	12	-44 53 49.00	-0.012	12	0.71	59.342	45	03.8	48.45	45	03.8	A5	CZ	8173	P -44 4533
71	7.6E	8.0Z	3 59.738	-0.0027	12	-42 16 51.01	-0.005	12	0.66	59.878	26	98.5	50.76	24	98.5	F2	CZ	8172	P -41 4307
72	9.2E	9.0Z	4 6.015	-0.0021	12	-48 51 52.92	-0.000	12	0.75	6.121	45	99.2	52.91	45	99.2	A0	CZ	8175	P -48 2968
73		5.2T	4 12.267	-0.0006	11	-47 7 30.15	-0.059	08	0.56	12.234	18	96.4	26.72	15	91.8	K0	GC	13890K	C*-46 5806
74	8.7E	9.5Z	4 16.604	-0.0017	12	-48 24 35.03	0.001	12	0.67	16.690	31	99.2	35.06	28	99.2	A0	CZ	8177	P -48 2972
75	8.7E	8.5Z	4 24.813	-0.0003	12	-43 41 57.19	-0.010	12	0.72	24.826	45	02.3	56.72	45	02.3	F5	CZ	8178	P -43 4355
76	8.2E	8.0Z	4 33.760	-0.0086	12	-45 7 58.06	0.036	12	0.65	34.176	31	01.9	59.79	28	01.9	G5	CZ	8181	P -44 4543
77	9.9E	9.5Z	4 39.386	-0.0036	12	-48 34 55.81	-0.003	12	0.75	39.567	45	99.2	55.67	45	99.2		CZ	8184	P -48 2977
78	10.1E	8.5Z	4 43.805	-0.0009	12	-49 15 59.75	-0.002	12	0.73	43.847	45	01.8	59.64	45	01.8		CZ	8186	P -48 2979
79	9.3E	8.5Z	4 47.479	-0.0014	12	-40 38 43.74	-0.022	12	0.86	47.550	63	98.3	42.62	57	98.3	A0	CZ	8183	P -40 4210
80	9.2E	8.1Z	4 55.648	-0.0016	12	-49 43 19.75	0.013	12	0.73	55.728	45	01.8	20.38	45	01.8	K5	CZ	8189	P -49 3099
81	8.6E	8.6H	4 57.746	-0.0012	12	-40 27 2.31	-0.016	12	0.69	57.808	31	97.5	1.49	28	97.5	A5	CZ	8187	P -40 4212
82	9.2E	8.5Z	5 2.679	-0.0030	12	-42 4 27.34	0.001	12	0.75	2.830	45	99.3	27.38	45	99.3	F0	CZ	8188	P -41 4323
83	9.3E	8.5Z	5 6.797	0.0053	12	-42 7 0.65	-0.117	12	0.67	6.523	28	98.5	54.62	26	98.5	F8	CZ	8190	P -41 4324
84	9.4E	8.2Z	5 8.423	-0.0070	12	-42 55 58.30	0.017	12	0.75	8.777	45	99.3	59.17	45	99.3	K0	CZ	8192	P -42 4343
85	8.6E	9.0Z	5 19.376	-0.0023	12	-45 56 50.60	0.006	12	0.66	19.491	31	00.5	50.88	28	00.5	A0	CZ	8194	P -45 4392
86	8.9E	9.0Z	5 21.887	-0.0028	12	-44 58 9.60	-0.003	12	0.71	22.019	45	03.8	9.47	45	03.8	A0	CZ	8197	P -44 4558
87	8.6E	8.0Z	5 23.092	-0.0020	12	-42 52 38.82	-0.009	12	0.75	23.192	45	99.3	38.37	45	99.3	F5	CZ	8195	P -42 4347
88	9.0E	7.8Z	5 23.883	0.0002	12	-42 42 53.30	-0.009	12	0.75	23.875	45	99.3	52.84	45	99.3	K5	CZ	8196	P -42 4348
89	9.6E	8.6H	5 29.034	0.0000	12	-45 24 47.52	-0.004	12	0.66	29.033	31	00.5	47.30	28	00.5	K0	CZ	8199	P -45 4396
90	8.9E	8.5Z	5 30.342	-0.0030	12	-42 12 19.82	-0.007	12	0.75	30.493	45	99.3	19.46	45	99.3	F5	CZ	8198	P -41 4329
91		8.0T	5 31.609	-0.0009	15	-48 16 48.68	-0.013	11	0.65	31.650	24	02.7	48.07	24	03.4	K0	GC	13921	C -47 5560
92		6.7T	5 37.464	-0.0009	12	-48 0 56.06	0.012	09	0.61	37.509	21	98.5	56.74	19	92.9	B3	GC	13925	C -47 5561
93	9.5E	9.4H	5 38.857	0.0047	12	-40 21 33.56	-0.034	12	0.86	38.613	63	98.3	31.82	57	98.3	G0	CZ	8200	P -39 4208
94	9.0E	9.0*	5 44.983	-0.0011	12	-41 28 47.86	-0.014	12	0.67	45.039	28	98.4	47.16	26	98.4	B9	CZ	8203	P -41 4333
95	9.7E	9.5*	5 51.826	-0.0014	12	-49 1 29.26	-0.008	12	0.66	51.896	28	99.0	28.84	26	99.0		CZ	8206	P -48 2995
96	9.2E	9.0Z	5 53.724	-0.0082	12	-44 50 35.35	0.016	12	0.71	54.105	45	03.8	36.09	45	03.8	G0	CZ	8204	P -44 4567
97	9.0E	8.5Z	5 58.967	-0.0015	12	-42 39 18.58	-0.000	12	0.75	59.042	45	99.3	18.57	45	99.3	F0	CZ	8205	P -42 4357
98	10.3E	9.2Z	6 20.758	-0.0010	12	-49 58 20.64	-0.005	12	0.65	20.809	31	00.9	20.38	28	00.9		CZ	8210	P -49 3123
99	9.5E	9.0Z	6 24.688	-0.0041	12	-41 39 40.77	0.007	12	0.67	24.899	28	98.4	41.15	26	98.4	K0	CZ	8208	P -41 4341
00	8.6E	8.0Z	6 26.752	-0.0015	12	-44 45 29.85	-0.029	12	0.64	26.827	28	01.5	28.45	26	01.5	F2	CZ	8209	P -44 4577

221800

EPOCH 1950 — ORIGINAL EPOCH — -40° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.7E	9.0Z	10 6 33.309	0.0006	12	-45 47 5.73	-0.018	12	0.68	33.280	36	01.9	4.95	36	01.9	A0	CZ	8211	P -45 4413
2	8.7E	8.2Z	6 37.656	-0.0016	12	-46 48 19.79	-0.013	12	0.64	37.734	28	01.1	19.14	28	01.1	A0	CZ	8213	P -46 4287
3	8.3E	8.2Z	6 38.578	-0.0014	12	-47 3 50.85	-0.015	12	0.68	39.645	36	02.1	50.11	36	02.1	K2	CZ	8214	P -46 4289
4	9.7E	9.9Z	6 48.007	-0.0020	12	-40 45 33.98	-0.017	12	0.86	48.110	63	98.3	33.04	57	98.3	F2	CZ	8215	P -40 4235
5		7.8T	6 59.216	-0.0073	14	-48 36 36.96	0.012	12	0.69	59.575	19	00.6	37.61	18	96.6	F2	GC	13052	C -48 5340
6	8.7E	9.0Z	6 59.818	-0.0002	12	-43 27 33.08	-0.007	12	0.68	59.826	36	01.7	32.75	36	01.7	A0	CZ	8217	P -43 4405
7	7.8E	8.2Z	7 2.749	-0.0006	12	-43 58 58.04	-0.004	12	0.65	2.779	28	00.3	57.88	28	00.3	G5	CZ	8218	P -43 4408
8	8.0E	8.8Z	7 3.882	-0.0151	12	-49 32 15.41	0.020	12	0.65	4.625	31	00.9	16.38	28	00.9	F5	CZ	8222	P -49 3142
9		6.8T	7 7.274	-0.0073	09	-48 3 40.37	0.016	07	0.39	7.582	15	07.7	41.12	15	02.9	A5	GC	13057	C -47 5576
10	9.4E	9.4Z	7 9.466	-0.0039	12	-49 11 46.74	0.018	12	0.71	9.685	36	98.9	47.65	36	98.9		CZ	8226	P -48 3012
11	9.0E	9.0Z	7 10.633	-0.0034	12	-47 28 27.53	-0.006	12	0.66	10.806	28	99.2	27.21	28	99.2	F8	CZ	8225	P -47 3838
12	9.1E	9.3Z	7 12.776	-0.0041	12	-47 22 10.16	-0.015	12	0.70	12.982	36	99.5	9.38	36	99.5	G5	CZ	8228	P -47 3840
13	9.1E	9.3E	7 17.585	-0.0010	12	-42 43 36.52	-0.008	12	0.66	17.616	28	99.0	36.21	28	99.0	A3	CZ	8227	P -42 4378
14	8.9E	8.9Z	7 33.205	-0.0027	12	-41 50 49.81	-0.009	12	0.67	33.343	28	98.4	49.34	28	98.4	A5	CZ	8235	P -41 4355
15	9.1E	9.3Z	7 44.000	-0.0022	12	-49 42 3.96	0.004	12	0.73	44.108	45	01.8	4.14	45	01.8	A0	CZ	8237	P -49 3158
16		7.2T	7 48.346	-0.0028	14	-47 12 0.56	0.004	11	0.67	48.484	18	00.4	0.78	19	94.9	K0	GC	13073	C -46 5879
17		7.2T	7 49.086	0.0004	18	-44 56 54.63	-0.000	18	0.86	49.007	24	05.1	54.61	24	04.8	K2	GC	13074	C -44 6252
18	8.1E	8.0Z	7 56.188	-0.0015	12	-42 14 15.09	0.003	12	0.65	56.261	63	00.3	15.24	57	00.3	A5	CZ	8230	P -41 4359
19	9.4E	9.5Z	8 1.084	-0.0030	12	-46 22 27.03	-0.002	12	0.66	1.242	31	00.8	26.92	28	00.8	F0	CZ	8240	P -46 4320
20		8.8T	8 2.322	-0.0019	17	-46 13 23.56	-0.031	16	0.85	2.412	19	03.0	22.10	19	02.8	F8	GC	13078	C -45 5811
21	9.4E	9.5Z	8 5.704	-0.0015	12	-44 13 13.30	-0.014	12	0.67	5.783	28	98.5	12.58	28	98.5	A3	CZ	8242	P -43 4431
22	10.4E	9.8H	8 6.746	-0.0014	12	-45 32 23.58	-0.012	12	0.73	6.811	45	01.8	22.98	45	01.8	F2	CZ	8243	P -45 4430
23		7.9T	8 7.888	0.0009	12	-45 32 33.71	-0.021	11	0.63	7.824	19	99.1	32.60	18	96.7	F2	GC	13081K	C -45 5812
24	9.4E	9.2Z	8 9.754	-0.0084	12	-46 49 57.79	0.001	12	0.72	9.869	45	02.2	57.82	45	02.2		CZ	8246	P -46 4322
25	11.0E	10.5H	8 10.815	-0.0015	12	-46 49 50.32	-0.001	12	0.72	10.886	45	02.2	50.26	45	02.2		CZ	8247	P -46 4322
26		6.8T	8 15.136	-0.0040	15	-47 46 2.69	-0.031	10	0.67	15.327	22	01.8	0.96	19	94.2	K0	GC	13084	C -47 5601
27	9.1E	9.2Z	8 18.833	-0.0010	12	-47 18 18.52	-0.005	12	0.74	18.883	45	00.2	18.25	45	00.2	F5	CZ	8250	P -46 4324
28	9.3E	9.4Z	8 20.841	-0.0019	12	-41 15 42.65	-0.012	12	0.75	20.937	45	99.3	42.06	45	99.3	A0	CZ	8248	P -40 4251
29	8.8E	9.0Z	8 24.471	-0.0012	12	-44 12 29.23	-0.012	12	0.75	24.534	45	99.3	28.62	45	99.3	A2	CZ	8252	P -43 4440
30		8.6T	8 24.994	-0.0008	22	-42 20 40.24	0.016	22	1.07	25.032	19	03.2	41.00	18	03.1	A3	GC	13089	C -41 5656
31		7.2T	8 28.620	-0.0063	10	-45 3 40.53	0.015	09	0.43	28.892	14	06.7	41.21	12	04.7	A2	GC	13091	C -44 6281
32		6.1T	8 31.388	0.0040	13	-41 27 59.63	-0.123	12	0.68	31.184	18	98.6	52.98	17	96.0	K0	GC	13092	C -41 5658
33	9.4E	9.0Z	8 36.144	-0.0023	12	-47 48 53.67	0.013	12	0.74	36.258	45	00.2	54.29	45	00.2		CZ	8257	P -47 3965
34	9.0E	9.0Z	8 37.575	-0.0002	12	-42 7 28.01	-0.007	12	0.75	37.584	45	99.3	27.65	45	99.3		CZ	8255	P -41 4367
35	9.3E	9.1Z	8 45.687	-0.0041	12	-43 21 16.70	0.006	12	0.75	45.893	45	99.3	17.02	45	99.3	F5	CZ	8258	P -42 4404
36	8.4E	8.0Z	8 46.123	-0.0022	12	-44 55 48.44	-0.020	12	0.74	46.229	45	00.8	47.46	45	00.8	A0	CZ	8259	P -44 4609
37	9.7E	9.0Z	8 47.647	-0.0053	12	-43 24 36.83	0.008	12	0.75	48.114	45	99.3	39.09	45	99.3	K	CZ	8260	P -43 4443
38	9.0E	8.6Z	8 57.379	-0.0034	12	-43 34 42.27	-0.025	12	0.75	57.499	45	99.3	41.02	45	99.3	K5	CZ	8262	P -43 4444
39	7.9E	8.2Z	8 59.396	-0.0072	12	-43 50 16.65	0.021	12	0.75	59.759	45	99.3	17.92	45	99.3	F2	CZ	8263	P -43 4446
40	9.8E	9.5Z	8 59.860	-0.0019	12	-49 27 8.20	-0.001	12	0.73	59.952	45	01.7	8.14	45	01.7	A	CZ	8267	P -49 3180
41	9.4E	9.2Z	9 2.757	-0.0080	12	-46 13 37.64	0.002	12	0.73	3.047	45	01.8	37.72	45	01.8		CZ	8266	P -45 4439
42	9.3E	9.3Z	9 4.258	-0.0017	12	-44 0 7.79	-0.012	12	0.75	4.346	45	99.3	7.18	45	99.3	A0	CZ	8265	P -43 4448
43	8.8E	8.9Z	9 12.022	-0.0020	12	-41 19 10.66	-0.019	12	0.75	12.123	45	99.3	9.71	45	99.3	A0	CZ	8268	P -40 4261
44	9.7E	9.2Z	9 16.180	-0.0009	12	-49 25 45.16	0.005	12	0.73	16.223	45	01.7	45.40	45	01.7	A	CZ	8270	P -49 3187
45	9.3E	9.0Z	9 17.816	-0.0025	12	-48 23 0.06	-0.008	12	0.75	17.943	45	99.2	59.63	45	99.2		CZ	8271	P -48 3047
46	9.0E	9.2Z	9 19.042	-0.0035	12	-48 36 38.00	0.009	12	0.75	19.218	45	99.2	38.48	45	99.2	F	CZ	8272	P -48 3050
47	8.8E	8.9Z	9 31.345	-0.0009	12	-49 45 35.80	0.003	12	0.73	31.391	45	01.7	35.93	45	01.7	B8	CZ	8275	P -49 3194
48	9.3E	9.3Z	9 33.600	-0.0039	12	-49 41 6.95	0.014	12	0.75	33.796	45	99.2	7.47	45	99.2	F	CZ	8276	P -48 3051
49		7.0T	9 44.339	-0.0015	12	-40 37 38.52	-0.001	12	0.65	44.418	19	98.3	38.46	19	97.5	K0	GC	14009	C -40 5853
50	9.2E	9.0Z	9 47.063	-0.0004	12	-49 34 39.95	-0.006	12	0.66	47.085	31	00.9	39.65	28	00.9	A0	CZ	8280	P -49 3198
51	7.5E	8.0Z	9 50.872	-0.0019	12	-49 54 33.16	0.008	12	0.73	50.966	45	01.7	33.40	45	01.7	B5	CZ	8282	P -49 3200
52	8.0E	7.9H	9 51.518	-0.0065	12	-44 28 55.70	0.044	12	0.67	51.846	31	99.9	57.90	28	99.9	G5	CZ	8279	P -44 4629
53	9.4E	8.8H	9 53.810	-0.0019	12	-40 17 37.00	-0.027	12	0.86	53.908	63	98.3	35.63	57	98.3	K2	CZ	8278	P -39 4245
54		8.6T	9 55.984	0.0024	16	-45 23 58.41	0.001	14	0.76	55.850	24	03.2	58.46	22	00.5	G5	GC	14016	C -45 5836
55	10.0E	9.7H	10 8.607	-0.0018	12	-47 6 49.49	-0.010	12	0.66	8.695	31	00.6	48.98	28	00.8		CZ	8283	P -46 4342
56	8.1E	8.5Z	10 11.353	-0.0037	12	-48 32 23.08	0.001	12	0.67	11.539	31	99.2	23.15	28	99.2	B9	CZ	8284	P -48 3067
57	10.0E	9.6H	10 11.726	-0.0016	12	-49 1 11.08	0.006	12	0.67	11.806	31	99.2	11.38	28	99.2		CZ	8285	P -48 3068
58	9.6E	9.6Z	10 28.138	-0.0016	12	-43 59 39.53	-0.008	12	0.75	28.220	45	99.3	39.12	45	99.3	A0	CZ	8286	P -43 4472
59	9.0E	9.3H	10 34.078	-0.0027	12	-45 27 48.96	-0.003	12	0.73	34.206	45	01.8	48.80	45	01.8		CZ	8288	P -45 4458
60	8.8E	8.3Z	10 41.774	-0.0040	12	-43 45 39.73	0.007	12	0.75	41.978	45	99.3	40.08	45	99.3	K2	CZ	8291	P -43 4476
61	9.3E	8.8H	10 46.381	0.0018	12	-40 23 32.90	-0.006	12	0.69	46.286	31	97.7	32.60	28	97.7	G5	CZ	8292	P -40 4279
62	10.0E	9.4Z	10 50.545	0.0007	12	-48 44 38.91	-0.019	12	0.75	50.507	45	99.2	37.96	45	99.2		CZ	8296	P -48 3077
63	10.0E	10.0Z	10 50.687	-0.0018	12	-48 44 45.36	0.000	12	0.75	50.776	45	99.2	45.37	45	99.2		CZ	8299	P -48 3077
64	9.1E	9.0Z	10 50.941	0.0005	12	-49 32 39.56	-0.059	12	0.73	50.919	45	01.7	36.70	45	01.7		CZ	8300	P -49 3213
65	8.7E	8.5Z	10 54.600	-0.0027	12	-44 55 11.83	-0.006	12	0.67	54.738	31	99.9	11.53	28	99.9	F0	CZ	8297	P -44 4639
66	8.3E	8.5Z	10 56.237	-0.0227	12	-47 13 46.00	0.143	12	0.72	57.323	45	02.2	52.82	45	02.2	K0	CZ	8303D	P -46 4357
67	9.4E	9.5Z	10 56.854	-0.0082	12	-45 56 38.09	-0.012	12	0.66	56.960	31	00.6	37.48	28	00.6		CZ	8301	P -45 4467
68	9.8E	9.0Z	11 0.582	-0.0011	12	-43 32 32.94	-0.015	12	0.75	0.646	45	99.3	32.19	45	99.3	K5	CZ	8302	P -43 4478
69		7.0T	11 4.470	0.0006	15	-47 40 17.18	-0.016	11	0.69	4.498	22	01.7	16.31	19	95.8	K5	GC	14040	C -47 5655
70	9.9E	9.3H	11 11.741	0.0000	12	-43 14 18.83	-0.019	12	0.67	11.739	28	98.4	17.86	26	98.4	K2	CZ	8305	P -42 4435
71	9.5E	8.0Z	11 26.088	-0.0013	12	-44 10 22.39	-0.020	12	0.75	26.136	45	99.3	21.37	45	99.3	K0	CZ	8309	P -43 4489
72	9.4E	9.5Z	11 32.056	0.0007	12	-46 37 36.42	-0.033	12	0.66	32.094	36	03.2	34.86	36	03.2		CZ	8315	P -46 4364
73	9.3E	9.5Z	11 33.082	-0.0031	12	-40 46 34.67	-0.004	12	0.69	33.243	31	97.8	34.67	28	97.8	B9	CZ	8311	P -40 4293
74	9.3E	8.5H	11 34.698	-0.0005	12	-41 56 36.92	-0.009	12	0.67	34.722	28	98.6	36.45	26	98.6	K2	CZ	8314	P -41 4403
75	9.2	9.4H	11 36.271	-0.0017	13	-40 4 31.04	0.022	13	0.26	36.295	15	35.8	31.36	21	35.8	A0	C8	4715	C -39 6221
76	9.4E	8.5Z	11 37.096	-0.0034	12	-47 57 23.03	0.011	12	0.67	37.270	28	98.3	57.81	26	98.3	K0	CZ	8317	P -47 4443
77		6.0T	11 37.999	-0.0073	08	-40 5 51.63	0.013	07	0.34	38.289	14	10.4	52.18	12	07.1	K0	GC	14052	C -39 6222
78	8.7E	9.0Z	11 42.226	-0.0017	12	-46 28 36.77	-0.003	12	0.63	42.309	28	01.9	36.60	26	01.9	A0	CZ	8321	P -46 4365
79	8.9E	9.3Z	11 43.805	-0.0010	12	-47 20 36.77	-0.014	12	0.68	43.853	36	01.8	36.08	36	01.8	A2	CZ	8324	P -46 4366
80	9.4E	8.8H	11 45.527	-0.0011	12	-41 44 19.92	0.048	12	0.67	45.582	28	98.6	22.40	26	98.6	K2	CZ	8320	P -41 4405
81	9.5E	9.0Z	11 45.932	-0.0018	12	-44 0 42.99	-0.013	12	0.70	46.084	36	99.6	42.33	36	99.6	F2	CZ	8322	P -43 4500
82	9.3E	9.0Z	11 46.346	-0.0004	12	-49 31 42.15	-0.008	12	0.73	46.367	45	01.7	41.76	45	01.7	B9	CZ	8325	P -49 3231
83		6.3T	11 48.395	-0.0028	11	-40 3 42.96	-0.005	09	0.57	48.539	21	99.1	42.67	18	93.8	K0	GC	14059	C -39 6225
84	8.3E	8.4Z	11 50.910	-0.0088	12	-47 46 5.78	0.013	12	0.65	51.233	28	00.9	6.37	26	00.9	F2	CZ	8327	P -47 4027
85	9.8E	9.8Z	11 54.483	-0.0007	12	-49 59 32.15	-0.012	12	0.75	54.519	45	01.7	31.55	45	01.7		CZ	8330	P -49 3234
86	10.2E	8.5Z	11 56.183	-0.0009	12	-43 1 6.80	-0.011	12	0.67	56.228	28	98.5	6.24	26	88.5	K6	CZ	8326	P -42 4450
87		7.5T	11 56.280	-0.0015	09	-43 50 37.11	-0.011	09	0.41	58.323	14	06.7	36.65	13	06.5	A0	GC	14064	C -43 6068
88	8.5E	8.5Z	11 56.389	-0.0031	12	-46 29 1.44	-0.004	12	0.66	58.535	36	03.2	1.24	36	03.2	F0	CZ	8329	P -46 4368
89	8.7E	8.5Z	12 7.987	-0.0011	12	-48 28 31.42	-0.054	12	0.75	8.043	45	99.2	28.65	45	99.2	G0	CZ	8331	P -48 3100
90		7.1T	12 15.213	-0.0024	09	-42 33 36.04	-0.014	08	0.41	15.314	15	07.8	35.39	15	04.8	B9	GC	14070	C -42 6059
91	9.7E	10.0Z	12 32.983	-0.0015	12	-47 23 50.33	-0.006	12	0.65	33.057	28	00.9	50.02	28	00.9		CZ	8336	P -47 4037
92	9.1E	9.4Z	12 32.991	-0.0005	12	-48 1 47.52	-0.011	12	0.68	33.015	36	01.8	46.97	36	01.8	A0	CZ	8337	P -47 4038
93	9.2E	8.3Z	12 33.494	-0.0046	12	-43 22 38.68	-0.004	12	0.74	33.721	45	00.2	38.49	45	00.2	F5	CZ	8333	P -43 4511
94	9.4E	9.0Z	12 37.849	-0.0011	12	-42 26 16.36	-0.010	12	0.74	37.902	45	00.2	15.86	45	00.2	A0	CZ	8334	P -42 4456
95		4.1H	12 37.998	-0.0134	02	-41 52 25.23	0.038	02	0.09	38.447	05	16.6	26.60	05	14.3	A2	F4	382	C -41 5713
96	8.9E	8.5Z	12 41.728	-0.0014	12	-44 37 48.55	-0.005	12	0.67	41.798	31	99.9	48.29	28	99.9	A2	CZ	8341	P -44 4665
97	9.8E	9.5Z	12 42.831	-0.0001	12	-48 14 16.52	-0.029	12	0.73	42.836	45	01.7	15.09	45	01.7		CZ	8343	P -47 4040
98		6.7T	12 43.375	-0.0125	11	-41 28 39.24	0.023	11	0.63	44.034	18	97.4	40.48	15	95.8	A0	GC	14077	C -41 5716
99		6.7T	12 46.979	-0.0067	15	-42 8 2.96	-0.005	11	0.70	47.310	18	00.6	2.71	18	97.0	B9	GC	14078	C -41 5717
00	9.5E	8.5Z	12 49.444	0.0001	12	-42 18 10.59	-0.007	12	0.74	49.438	45	00.2	10.24	45	00.2	K0	CZ	8344	P -41 4425

221900 -40° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.5E	9.5Z	10 12 49.779	-0.0017	12	-47 45 6.91	-0.014	12	0.68	49.861	36	01.8	6.22	36	01.8	A0	CZ	8345	P -47 4043
2	9.8E	9.5Z	12 50.861	-0.0053	12	-48 45 34.29	0.024	12	0.75	51.129	45	99.2	35.50	45	99.2		CZ	8347	P -48 3114
3	9.7E	9.5Z	12 51.033	-0.0011	12	-49 40 34.71	-0.006	12	0.73	51.088	45	01.7	34.41	45	01.7		CZ	8349	P -49 3251
4		6.6T	12 56.226	-0.0029	14	-44 13 7.38	0.002	13	0.73	56.368	22	00.1	7.51	19	97.2	K0	GC	14079	C -43 6082
5	9.7E	9.6Z	12 57.096	0.0096	12	-42 21 22.70	-0.125	12	0.74	56.616	45	00.2	16.47	45	00.2	G0	CZ	8346	P -41 4427
6	9.2E	8.5Z	12 59.652	-0.0038	12	-49 39 21.58	0.015	12	0.73	59.838	45	01.7	22.30	45	01.7	G5	CZ	8354	P -49 3255
7	9.6E	9.4Z	13 2.481	-0.0003	12	-45 39 32.62	-0.026	12	0.73	2.494	45	01.8	31.35	45	01.8		CZ	8353	P -45 4497
8	9.8E	8.5Z	13 3.964	0.0000	12	-42 26 25.57	-0.007	12	0.74	3.963	45	00.2	25.22	45	00.2	G5	CZ	8350	P -42 4461
9		7.9T	13 4.977	-0.0024	18	-42 6 28.64	-0.009	13	0.80	5.089	24	03.6	28.20	21	99.0	A0	GC	14080	C -41 5722
10		5.8T	13 25.347	0.0003	08	-42 51 44.19	-0.067	06	0.32	25.334	12	08.7	41.03	12	03.1	K2	GC	14088	C -42 6074
11	8.4E	8.5Z	13 31.654	-0.0023	12	-47 44 36.27	-0.004	12	0.73	31.784	45	01.7	36.06	45	01.7	K0	CZ	8356	P -47 4056
12	7.6E	9.0Z	13 35.039	-0.0031	12	-48 58 29.65	-0.004	12	0.67	35.196	31	99.2	29.46	28	99.2	B9	CZ	8357	P -48 3132
13	10.0E		13 37.312	-0.0026	12	-48 53 45.99	-0.001	12	0.75	37.443	45	99.2	45.93	45	99.2		CZ	8358	P -48 3133
14	8.4	8.1W	13 39.361	-0.0032	13	-40 5 29.25	0.021	13	0.26	39.405	15	35.8	29.55	21	35.8	F8	C8	4744	C -39 6250
15	8.6E	9.0Z	13 40.713	-0.0000	12	-48 18 54.94	-0.008	12	0.75	40.713	45	99.2	54.51	45	99.2	G5	CZ	8360	P -47 4080
16		9.8T	13 48.454	-0.0023	14	-43 59 20.27	-0.019	13	0.71	48.563	22	01.8	19.34	22	99.9		GC	14098K	C -43 6096
17		8.8T	13 49.996	-0.0020	12	-43 59 23.24	-0.021	12	0.64	50.097	18	98.3	22.15	17	96.9	K0	GC	14098K	C -43 6096
18		7.2T	13 50.048	0.0007	10	-49 55 40.16	-0.016	08	0.42	50.019	15	08.6	39.43	15	04.3	K0	GC	14100	C -49 5095
19	9.9E	8.0Z	13 50.960	-0.0016	12	-44 19 15.79	-0.041	12	0.74	51.041	45	00.8	13.77	45	00.8	MA	CZ	8364	P -43 4529
20	11.0E	10.0*	13 56.233	-0.0012	12	-45 20 55.24	-0.000	12	0.66	56.291	31	00.6	55.22	28	00.6		CZ	8368	P -44 4675
21	9.8E	9.4Z	14 4.122	-0.0029	12	-42 37 59.46	0.001	12	0.74	4.265	45	00.2	59.50	45	00.2	A2	CZ	8368	P -42 4470
22	9.4E	9.0Z	14 5.790	-0.0021	12	-43 34 58.86	-0.015	12	0.74	5.893	45	00.2	58.13	45	00.2	F0	CZ	8370	P -43 4533
23	8.3E	8.5Z	14 12.671	-0.0027	12	-46 9 11.48	-0.018	12	0.66	12.805	31	00.6	10.57	28	00.6	A0	CZ	8371	P -45 4514
24		8.3T	14 22.905	-0.0019	17	-49 24 49.42	-0.010	13	0.77	22.993	18	02.5	48.92	18	99.0	B9	GC	14120	C -49 5100
25	10.2E	9.5Z	14 22.934	0.0004	12	-43 4 30.62	0.005	12	0.66	22.912	28	99.0	30.88	26	99.0	G5	CZ	8372	P -42 4476
26	9.7E	9.0Z	14 31.572	-0.0027	12	-41 15 20.66	-0.008	12	0.75	31.708	45	99.3	20.28	45	99.3	A0	CZ	8374	P -40 4324
27	9.4E	9.5Z	14 33.367	-0.0015	12	-46 38 23.63	-0.008	12	0.71	33.436	45	03.7	23.24	45	03.7	A	CZ	8375	P -46 4404
28	9.5E	9.0Z	14 46.141	-0.0014	12	-49 6 51.19	-0.006	12	0.75	46.211	45	99.3	50.88	45	99.3	K5	CZ	8378	P -48 3151
29	10.7E	9.0Z	14 52.218	-0.0027	12	-43 31 21.64	-0.010	12	0.66	52.354	28	99.2	21.14	26	99.2		CZ	8379	P -43 4539
30	9.4E	9.0Z	15 1.773	-0.0003	12	-41 49 31.03	-0.001	12	0.75	1.787	45	99.3	30.97	45	99.3	A0	CZ	8385	P -41 4449
31	9.8E	9.5Z	15 4.672	-0.0039	12	-47 54 7.65	-0.008	12	0.73	4.860	45	01.7	7.24	45	01.7	A3	CZ	8388	P -47 4091
32	8.7E	8.5Z	15 5.053	-0.0005	12	-41 15 49.16	-0.045	12	0.65	5.078	24	98.4	46.86	22	98.4	F0	CZ	8387D	P* -40 4329
33	9.7E	9.3Z	15 7.035	-0.0014	12	-48 46 17.62	-0.011	12	0.75	7.105	45	99.3	17.05	45	99.3	A	CZ	8389	P -48 3158
34		6.7T	15 17.575	-0.0023	09	-46 35 5.51	-0.021	07	0.40	17.672	15	07.6	4.56	15	04.8	F0	GC	14131	C -46 5987
35	9.5E	9.0Z	15 21.798	-0.0017	12	-44 49 59.54	0.006	12	0.74	21.884	45	00.8	59.83	45	00.8	G0	CZ	8391	P -44 4695
36	9.5E	9.0Z	15 31.820	-0.0022	12	-47 41 48.70	-0.002	12	0.66	31.928	31	00.6	48.58	28	00.6	MB	CZ	8394	P -47 4099
37		7.4T	15 37.086	-0.0042	16	-48 10 2.72	0.007	11	0.70	37.265	22	02.4	3.09	21	96.3	K5	GC	14139	C -47 5748
38	9.8E	9.5Z	15 40.565	-0.0025	12	-49 29 4.24	-0.004	12	0.73	40.676	45	01.7	4.04	45	01.7	A2	CZ	8401	P -49 3312
39	9.9E	8.6Z	15 47.645	-0.0007	12	-42 28 21.57	-0.014	12	0.74	47.679	45	00.2	20.86	45	00.2	K5	CZ	8399	P -42 4498
40	9.0E	8.8Z	15 51.513	-0.0051	12	-48 6 9.83	-0.015	12	0.66	51.765	31	00.6	9.07	28	00.6	G0	CZ	8404	P -47 4105
41	10.3E	9.7Z	15 54.360	-0.0018	12	-49 33 18.02	-0.011	12	0.73	54.449	45	01.7	17.49	45	01.7		CZ	8405	P -49 3317
42	9.3E	8.0Z	15 56.620	-0.0017	12	-40 19 15.49	-0.028	12	0.69	56.708	31	97.2	14.03	28	97.2	K2	CZ	8402	P -39 4325
43	9.3E	9.5Z	16 2.880	-0.0016	12	-46 0 21.32	-0.022	12	0.73	2.958	45	01.8	20.24	45	01.8	A2	CZ	8406	P -45 4542
44	9.1E	8.4Z	16 3.476	-0.0033	12	-48 30 57.45	-0.006	12	0.66	3.643	28	99.0	57.16	26	99.0	K0	CZ	8408	P -48 3172
45		9.0T	16 6.450	0.0007	18	-45 19 21.35	-0.016	15	0.81	6.417	24	04.6	20.57	22	01.4	K	GC	14149	C -44 6369
46	10.2E	9.2*	16 9.397	-0.0016	12	-42 12 14.54	-0.017	12	0.67	9.478	28	98.6	13.66	26	98.6	K5	CZ	8407	P -41 4469
47	9.3E	9.5Z	16 16.761	-0.0000	12	-45 11 46.94	-0.019	12	0.74	16.763	45	00.8	46.01	45	00.8	A0	CZ	8412	P -44 4703
48		6.3T	16 20.235	-0.0029	10	-41 25 3.13	0.003	09	0.54	20.393	18	95.8	3.29	17	93.6	A0	GC	14153	C -41 5765
49		9.3T	16 30.820	-0.0054	15	-44 59 29.31	0.012	15	0.75	31.077	19	02.0	29.92	19	01.5	G0	GC	14158	C -44 6377
50	8.8E	9.0Z	16 33.894	-0.0016	12	-46 1 49.36	0.004	12	0.68	33.971	36	01.9	49.53	36	01.9	F8	CZ	8416	P -45 4547
51	9.2E	8.0Z	10 16 39.114	-0.0021	12	-49 39 41.83	-0.004	12	0.73	39.217	45	01.7	41.63	45	01.7	K5	CZ	8419	P -49 3323
52	10.3E	9.1*	16 39.834	-0.0002	12	-44 41 13.80	-0.015	12	0.65	39.846	28	00.0	13.04	26	00.0		CZ	8417	P -44 4711
53	8.4E	8.3*	16 46.819	-0.0046	12	-46 44 25.74	0.003	12	0.63	47.039	28	02.0	25.86	26	02.0	F0	CZ	8420	P -46 4420
54	10.3E	9.5*	17 13.931	-0.0053	12	-41 54 3.47	0.013	12	0.67	14.201	28	98.9	4.13	26	98.9		CZ	8423	P -41 4481
55	8.6E	8.5Z	17 18.441	-0.0003	12	-49 52 5.16	0.001	12	0.73	18.457	45	01.7	5.19	45	01.7	A0	CZ	8428	P -49 3338
56	9.6E	9.5Z	17 19.887	-0.0008	12	-45 55 4.28	-0.018	12	0.68	19.926	36	01.9	3.40	36	01.9		CZ	8425	P -45 4556
57	10.4E	9.3*	17 22.628	-0.0015	12	-44 9 31.36	-0.001	12	0.66	22.706	28	99.5	31.31	26	99.5		CZ	8426	P -43 4573
58	8.4E	8.5Z	17 24.407	-0.0013	12	-43 5 36.23	-0.018	12	0.65	24.471	26	99.4	35.33	24	99.4	A2	CZ	8427	P -42 4519
59		7.8T	17 24.701	-0.0016	16	-45 23 42.17	0.012	10	0.70	24.777	19	01.5	42.80	18	97.0	A0	GC	14182	C -45 5959
60	8.1E	8.5Z	17 28.512	-0.0033	12	-45 58 0.24	-0.005	12	0.64	28.674	28	01.0	-59.98	26	01.0	A0	CZ	8430	P -45 4558
61		6.9T	17 49.437	0.0010	13	-47 42 33.58	-0.019	10	0.65	49.386	22	00.1	32.52	19	94.7	A2	GC	14186	C -47 5782
62	8.2E	8.5Z	17 50.287	-0.0026	12	-48 44 6.70	-0.009	12	0.66	50.408	36	03.3	50.08	36	03.3	A0	CZ	8433	P -46 4431
63	9.3E	9.5Z	17 52.211	-0.0024	12	-46 42 43.08	-0.003	12	0.71	52.322	45	03.8	42.92	45	03.8	A3	CZ	8434	P -46 4432
64	9.9E	9.7Z	17 53.078	-0.0018	12	-48 44 6.77	-0.009	12	0.71	53.168	36	98.9	6.25	36	98.9	A2	CZ	8436	P -48 3209
65	10.4E	10.0Z	17 59.899	-0.0015	12	-41 37 48.22	-0.009	12	0.67	59.976	28	98.4	47.77	26	98.4		CZ	8435	P -41 4487
66	9.0E	9.0H	18 0.663	-0.0017	12	-45 29 42.17	0.011	12	0.73	0.743	45	01.8	42.68	45	01.8	A0	CZ	8439	P -45 4564
67	9.3E	7.0Z	18 2.915	-0.0019	12	-45 51 42.14	0.007	12	0.73	3.007	45	01.8	42.46	45	01.8	K5	CZ	8440	P -45 4565
68	10.4E	9.0Z	18 11.078	-0.0012	12	-48 28 22.84	0.004	12	0.75	11.139	45	99.3	23.02	45	99.3	K0	CZ	8441	P -48 3212
69	10.0E	10.0Z	18 12.034	-0.0027	12	-49 20 30.21	-0.019	12	0.66	12.165	31	00.9	29.27	28	00.9		CZ	8445	P -48 3214
70		5.6T	18 14.097	-0.0015	07	-47 26 49.98	-0.006	06	0.30	14.161	09	07.2	49.71	09	04.9	K0	GC	14197	C -47 5790
71	9.7	9.4W	18 18.380	-0.0048	13	-40 6 51.44	-0.006	13	0.26	18.445	15	36.3	51.36	21	36.3	F2	C8	4786	C -39 6306
72	8.6E	8.5Z	18 19.140	0.0003	12	-42 59 15.94	-0.035	12	0.66	19.123	28	99.0	14.16	26	99.0	F8	CZ	8446	P -42 4531
73	9.4E	9.0Z	18 25.764	-0.0021	12	-44 34 10.56	-0.003	12	0.74	25.868	45	00.8	10.40	45	00.8	A3	CZ	8448	P -44 4729
74	9.8E	9.0Z	18 27.137	-0.0001	12	-41 41 26.56	-0.020	12	0.67	27.144	31	99.9	25.55	28	99.9		CZ	8450	P -44 4731
75	9.7E	9.0Z	18 29.258	-0.0009	12	-41 48 12.07	-0.015	12	0.75	29.303	45	99.3	11.30	45	99.3	K0	CZ	8449	P -41 4488
76		7.3T	18 40.829	-0.0038	13	-42 37 12.68	-0.016	12	0.67	41.023	18	98.8	11.80	17	96.1	B9	GC	14208	C -42 6153
77		6.4T	18 45.290	0.0019	15	-47 18 48.34	0.003	11	0.69	45.198	22	01.8	48.50	19	94.9	K5	GC	14211	C -46 6027
78	10.2E	9.4*	18 47.699	-0.0025	12	-40 39 22.57	-0.008	12	0.68	47.829	28	97.7	22.18	26	97.7	A0	CZ	8456	P -40 4375
79	9.4E	9.0*	18 59.462	-0.0023	12	-43 36 48.18	-0.003	12	0.66	59.597	28	99.2	48.04	26	99.2	F2	CZ	8459	P -43 4598
80		9.2T	19 3.139	-0.0000	14	-40 50 47.59	-0.032	13	0.71	3.140	21	01.4	45.98	19	99.9	F5	GC	14221	C -40 5961
81	7.7E	8.0Z	19 11.010	-0.0002	12	-44 17 15.05	-0.021	12	0.74	11.019	45	00.8	14.02	45	00.8	A0	CZ	8466	P -43 4603
82	9.7E	8.3Z	19 12.751	-0.0004	12	-41 54 23.49	-0.024	12	0.75	12.770	45	99.3	22.27	45	99.3	K2	CZ	8465	P -41 4498
83	10.6E	9.9*	19 17.808	-0.0007	12	-48 22 43.64	-0.016	12	0.68	17.843	31	99.3	42.81	31	99.3		CZ	8470	P -48 3228
84	9.3E	8.2Z	19 33.061	0.0000	12	-49 8 54.89	-0.027	12	0.75	33.060	45	99.3	53.51	45	99.3	K0	CZ	8477	P -48 3233
85	10.0E	8.9Z	19 35.705	-0.0008	12	-41 37 14.17	-0.012	12	0.75	35.745	45	99.3	13.58	45	99.3	K0	CZ	8474	P -41 4505
86	8.8E	8.5Z	19 44.359	-0.0029	12	-49 32 19.40	-0.009	12	0.73	44.502	45	01.7	18.96	45	01.7	A0	CZ	8485	P -49 3378
87	9.3E	8.4Z	19 46.389	-0.0006	12	-45 37 8.68	0.005	12	0.73	46.417	45	01.8	8.90	45	01.8	K0	CZ	8484	P -45 4591
88	9.8E	9.1*	19 52.691	-0.0040	12	-47 6 22.71	-0.024	12	0.65	53.084	31	01.9	21.54	28	01.9	G5	CZ	8487	P -46 4454
89	9.1E	8.5Z	20 3.191	-0.0011	12	-42 5 52.91	-0.017	12	0.75	3.246	45	99.3	52.04	45	99.3	A2	CZ	8488	P -41 4513
90	8.9E	8.8Z	20 3.562	-0.0046	12	-46 18 51.68	0.045	12	0.71	3.775	45	03.8	53.74	45	03.8	G5	CZ	8490	P -45 4595
91	9.5E	8.2Z	20 3.740	-0.0011	12	-49 31 1.97	-0.000	12	0.64	3.795	28	01.5	1.96	26	01.5	K2	CZ	8494	P -49 3384
92	8.1E	8.0Z	20 4.644	-0.0012	12	-49 16 42.11	-0.038	12	0.68	4.700	36	02.2	40.28	36	02.2	F0	CZ	8495	P -48 3239
93	9.3E	9.0Z	20 7.226	-0.0011	12	-42 11 20.29	-0.016	12	0.75	7.280	45	99.3	19.47	45	99.3	A2	CZ	8489	P -41 4515
94	9.3E	9.6Z	20 7.299	0.0005	12	-49 56 46.84	-0.005	12	0.68	7.277	36	02.2	46.59	36	02.2	A3	CZ	8497	P -49 3385
95		7.7T	20 7.527	-0.0014	13	-49 2 26.47	-0.004	12	0.67	7.594	19	00.5	26.27	18	97.9	B3	GC	14247	C -48 5576
96	8.5E	8.5Z	20 7.712	-0.0012	12	-45 4 40.54	-0.013	12	0.74	7.773	45	00.8	39.89	45	00.8	A0	CZ	8492	P -44 4750
97	9.7E	9.0Z	20 9.769	-0.0028	12	-42 57 42.61	-0.004	12	0.74	9.907	45	00.2	42.42	45	00.2	F8	CZ	8493	P -42 4556
98		5.0H	20 10.666	-0.0026	03	-41 23 52.28	0.051	02	0.11	10.761	06	12.7	54.30	05	10.7	K5	F4	1268	C -41 5809
99	11.8E	8.3Z	20 16.901	0.0003	12	-47 43 9.87	-0.022	12	0.73	16.886	45	01.7	8.79	45	01.7	A0	CZ	8498	P -47 4176
00	9.9E	9.8Z	20 17.337	-0.0046	12	-49 49 8.99	0.013	12	0.73	17.561	45	01.7	9.60	45	01.7	F5	CZ	8501	P -49 3388

222000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″/.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 10H DM NUMBER
1		7.3T	10 20 19.251	-0.0018	17	-47 43 6.31	0.009	13	0.77	19.337	17	01.5	6.77	18	98.5	A0	GC	14253K	C -47 5825
2	10.0E	8.5Z	20 22.984	-0.0004	12	-43 17 42.71	-0.026	12	0.74	23.002	45	00.2	41.42	45	00.2	K0	CZ	8500	P -42 4561
3	10.1E	9.5Z	20 32.038	0.0020	12	-48 43 42.27	-0.037	12	0.75	31.935	45	99.3	40.41	45	99.3	F5	CZ	8504	P -48 3247
4	9.9E	9.5Z	20 36.378	-0.0004	12	-41 31 19.15	-0.022	12	0.75	36.398	45	99.3	18.06	45	99.3		CZ	8503	P -41 4522
5	9.4E	9.3H	20 41.408	-0.0017	12	-45 13 3.05	-0.012	12	0.67	41.493	31	99.9	2.44	28	99.9		CZ	8506	P -44 4757
6	9.7E	9.0Z	20 45.624	-0.0128	12	-46 14 0.41	0.076	12	0.73	46.232	45	01.8	4.06	45	01.8		CZ	8507	P -45 4589
7		8.3T	20 58.081	-0.0014	13	-42 51 0.38	-0.034	13	0.69	58.147	24	02.5	-58.92	22	01.7	K0	GC	14271	C -42 6186
8	9.0E	9.0Z	21 2.836	-0.0023	12	-42 55 11.85	-0.014	12	0.66	2.721	28	99.1	11.15	28	99.1	A2	CZ	8508	P -42 4574
9	9.1E	9.5Z	21 5.880	-0.0016	12	-41 32 7.31	-0.017	12	0.75	5.940	45	99.3	6.47	45	99.3	A2	CZ	8511	P -41 4534
10		7.3T	21 7.028	0.0020	12	-40 26 31.76	-0.019	11	0.50	6.948	15	09.4	30.96	14	08.3	K2	GC	14274	C -40 5988
11	9.1E	9.0Z	21 20.684	-0.0025	12	-46 26 3.58	-0.005	12	0.63	20.805	28	01.9	3.33	28	01.9	A0	CZ	8516	P -46 4478
12	9.5E	8.5Z	21 21.497	-0.0006	12	-41 49 32.33	-0.027	12	0.75	21.526	45	99.3	30.96	45	99.3	K2	CZ	8514	P -41 4540
13	9.5E	9.0Z	21 23.326	-0.0014	12	-43 1 6.22	-0.003	12	0.74	23.395	45	00.2	6.08	45	00.2	A2	CZ	8515	P -42 4579
14	8.7E	8.7E	21 23.761	-0.0023	12	-44 29 38.39	-0.009	12	0.67	23.878	31	99.9	37.94	28	99.9	A0	CZ	8517	P -44 4784
15	9.4E	9.0Z	21 25.720	-0.0014	12	-49 21 43.28	-0.004	12	0.73	25.786	45	01.7	43.08	45	01.7	K2	CZ	8519	P -48 3258
16		6.4T	21 31.937	-0.0121	12	-41 41 59.02	0.007	10	0.59	32.557	15	98.8	59.42	17	98.1	K0	GC	14285	C -41 5833
17	9.1E	8.5Z	21 36.587	-0.0011	12	-49 12 46.34	-0.018	12	0.73	36.642	45	99.3	45.42	45	99.3	B3	CZ	8523	P -48 3281
18	9.6E	9.5*	21 38.146	-0.0007	12	-46 6 20.86	-0.018	12	0.65	38.180	28	00.7	19.96	28	00.7		CZ	8521	P -45 4612
19	7.5E	7.5Z	21 40.324	-0.0003	12	-43 59 20.24	-0.018	12	0.65	40.438	26	99.5	19.34	24	99.5	A0	CZ	8522D	P* -43 4636
20	9.8E	8.2Z	21 44.666	-0.0009	12	-49 17 14.45	-0.037	12	0.73	44.708	45	01.7	12.66	45	01.7	K2	CZ	8525	P -48 3282
21	9.9E	8.7Z	21 46.379	-0.0017	12	-41 7 50.28	-0.025	12	0.86	46.466	63	98.2	49.00	57	98.2	A2	CZ	8524	P -40 4420
22	9.9E	9.0Z	21 50.557	-0.0011	12	-49 22 24.70	-0.003	12	0.73	50.610	45	01.7	24.54	45	01.7	A0	CZ	8526	P -48 3264
23	10.0E	9.5*	21 53.945	-0.0011	12	-47 46 31.97	-0.017	12	0.65	53.998	28	00.9	31.11	26	00.9	B9	CZ	8527	P -47 4201
24	11.3E	10.5Z	22 3.409	-0.0045	12	-42 29 32.06	-0.008	12	0.69	3.632	36	00.2	31.65	36	00.2	A0	CZ	8528	P -42 4586
25	8.4E	9.0Z	22 3.494	-0.0018	12	-46 33 20.09	-0.003	12	0.66	3.578	36	03.2	19.92	36	03.2	A0	CZ	8531	P -46 4485
26		8.3T	22 4.488	-0.0037	22	-42 29 25.62	-0.015	16	0.95	4.663	19	03.0	24.89	18	00.3	A0	GC	14295K	C -42 6197
27	10.1E	8.6Z	22 4.709	-0.0035	12	-48 57 19.05	0.002	12	0.75	4.886	45	99.3	19.18	45	99.3	K0	CZ	8533	P -48 3286
28	7.8E	8.0Z	22 4.929	-0.0021	12	-43 47 5.82	0.005	12	0.66	5.033	28	99.4	4.09	26	99.4	A5	CZ	8530	P -43 4641
29	9.5E	9.0Z	22 5.186	-0.0007	12	-45 11 48.99	-0.015	12	0.69	23.222	36	00.9	48.25	36	00.9	F0	CZ	8537	P -44 4784
30		8.0T	22 24.438	0.0006	16	-40 53 14.65	-0.025	18	0.89	24.410	19	02.2	13.43	19	02.0	A0	GC	14299	C -40 6006
31	9.7E	9.1*	22 29.963	-0.0057	12	-45 22 23.10	0.001	12	0.65	30.242	28	00.7	23.13	26	00.7	F0	CZ	8538	P -44 4785
32	8.9E	8.5Z	22 33.657	-0.0067	12	-41 35 56.71	0.029	12	0.74	33.987	45	00.7	58.15	45	00.7	F5	CZ	8539	P -41 4558
33	9.4E	9.5Z	22 34.288	-0.0038	12	-47 3 43.45	-0.003	12	0.63	34.470	28	02.0	43.29	26	02.0	A3	CZ	8542	P -46 4495
34	9.7E	9.4Z	22 43.914	-0.0011	12	-42 21 9.28	0.012	12	0.74	43.968	45	00.2	9.87	45	00.2	F8	CZ	8545	P -41 4560
35	9.8E	9.0Z	22 51.162	-0.0007	12	-44 48 57.56	0.025	12	0.74	51.198	45	00.8	58.79	45	00.8	F8	CZ	8547D	P* -44 4788
36	9.1E	8.9Z	22 51.392	-0.0020	12	-41 22 7.37	-0.014	12	0.66	51.492	28	99.2	6.66	26	99.2	A2	CZ	8546	P -40 4437
37	9.9E	9.5Z	22 53.034	-0.0037	12	-48 40 30.62	-0.018	12	0.67	53.219	31	99.3	29.72	28	99.3	A2	CZ	8549	P -48 3273
38	10.0E	9.0Z	22 54.321	-0.0033	12	-49 39 56.58	-0.002	12	0.73	54.482	45	01.7	56.48	45	01.7	F8	CZ	8551	P -49 3429
39	9.2E	9.0Z	23 2.080	-0.0024	12	-41 38 29.89	-0.006	12	0.66	2.211	28	99.6	29.61	26	99.6	B9	CZ	8550	P -41 4564
40		6.9T	23 4.928	0.0056	15	-49 51 7.95	-0.039	10	0.67	4.662	22	02.4	5.84	21	95.8	F0	GC	14316	C -49 5235
41		6.3T	23 8.161	-0.0007	13	-42 12 46.85	-0.037	09	0.61	8.197	18	00.0	44.82	18	94.6	K0	GC	14318	C -41 5850
42	10.0E	9.5Z	23 8.273	-0.0011	12	-42 32 0.41	-0.012	12	0.74	8.326	45	00.2	-59.81	45	00.2	A0	CZ	8553	P -42 4600
43	8.9E	9.0Z	23 9.923	-0.0051	12	-41 59 31.26	0.010	12	0.66	10.178	28	99.6	31.76	26	99.6	F0	CZ	8554	P -41 4567
44	8.7E	8.5Z	23 23.110	-0.0051	12	-44 55 39.57	-0.036	12	0.67	23.363	31	99.9	37.77	28	99.9	F5	CZ	8556	P -44 4796
45	9.3E	9.5Z	23 36.573	-0.0020	12	-40 45 17.12	-0.010	12	0.66	36.674	28	99.2	16.64	26	99.2	A0	CZ	8557	P -40 4444
46	9.6E	9.1Z	24 0.882	-0.0004	12	-41 39 53.59	-0.021	12	0.74	0.900	45	00.7	52.57	45	00.7	A0	CZ	8558	P -41 4582
47		6.3T	24 1.083	-0.0120	16	-42 28 59.66	-0.055	13	0.77	1.676	18	00.6	36.82	17	98.1	K2	GC	14332	C -42 6222
48	9.8E	8.5Z	24 3.937	-0.0039	12	-42 37 34.06	-0.003	12	0.74	4.139	45	00.2	33.88	45	00.2	K0	CZ	8560	P -42 4613
49		7.7T	24 4.554	-0.0014	13	-45 16 36.10	-0.021	12	0.68	4.623	22	99.7	35.00	21	97.1	G	GC	14334	C* -44 6486
50		7.4T	24 4.575	-0.0090	12	-45 16 32.05	0.064	11	0.65	5.037	21	98.5	35.56	19	95.2	G0	GC	14335	C -44 6487
51	9.9E	9.5Z	10 24 9.289	-0.0013	12	-49 50 47.12	0.005	12	0.73	9.354	45	01.7	47.34	45	01.7	F0	CZ	8563	P -49 3451
52		8.3T	24 16.554	-0.0044	16	-43 8 55.83	-0.016	14	0.84	16.768	19	01.2	54.98	17	98.2	K2	GC	14339K	C -42 6225
53	9.4E	9.0Z	24 16.647	-0.0006	12	-47 49 52.44	-0.002	12	0.74	16.671	45	00.2	52.31	45	00.2	G5	CZ	8565	P -47 4231
54	9.7E	9.0Z	24 27.999	-0.0012	12	-44 55 25.84	-0.009	12	0.74	28.061	45	00.8	25.40	45	00.8	F0	CZ	8567	P -44 4814
55	9.5E	9.5Z	24 30.735	-0.0061	12	-40 55 16.53	-0.016	12	0.84	31.032	63	01.2	15.76	57	01.2	F2	CZ	8566	P -40 4453
56	9.7E	8.0Z	24 32.964	-0.0018	12	-49 37 48.23	-0.006	12	0.73	33.053	45	01.7	47.93	45	01.7	K5	CZ	8568	P -49 3458
57		6.6T	24 39.343	0.0010	15	-47 24 14.78	-0.066	11	0.69	39.294	19	01.2	11.30	18	97.3	A5	GC	14350	C -47 5895
58		8.2T	24 53.574	-0.0054	17	-40 53 55.74	-0.018	17	0.81	53.822	24	04.2	54.89	22	03.6	F2	GC	14354	C -40 6030
59	10.0E	9.5*	24 58.930	-0.0025	12	-44 29 41.62	-0.002	12	0.67	59.056	31	99.9	41.52	28	99.9	G5	CZ	8573	P -44 4824
60		7.1T	25 0.056	-0.0064	13	-41 47 50.24	-0.010	13	0.70	0.375	22	00.2	49.74	21	98.2	A2	GC	14359	C -41 5873
61	10.0E	9.5Z	25 4.600	-0.0017	12	-46 27 10.82	-0.003	12	0.72	4.682	45	02.2	10.66	45	02.2	K2	CZ	8574	P -46 4531
62	9.6E	9.0Z	25 4.646	-0.0006	12	-49 45 50.05	-0.001	12	0.73	4.676	45	01.7	49.99	45	01.7	A2	CZ	8578	P -49 3465
63	8.9E	8.6Z	25 5.900	-0.0041	12	-49 31 57.22	-0.004	12	0.66	6.103	31	00.9	57.02	28	00.9	A5	CZ	8579	P -49 3467
64	10.0E	8.9Z	25 7.316	-0.0026	12	-49 25 0.13	-0.014	12	0.73	7.441	45	01.7	-59.45	45	01.7	K2	CZ	8583	P -49 3468
65	9.3E	9.7H	25 7.681	-0.0021	12	-45 28 8.91	-0.011	12	0.66	7.783	31	00.6	8.35	28	00.6	A0	CZ	8576	P -45 4660
66	9.4E	9.5Z	25 8.551	-0.0042	12	-47 8 57.77	-0.001	12	0.72	8.752	45	02.2	57.71	45	02.2	F8	CZ	8580	P -46 4534
67	11.2E	10.5H	25 9.393	-0.0010	12	-47 8 56.12	-0.012	12	0.72	9.345	45	02.2	55.52	45	02.2	F8	CZ	8581	P -46 4534
68	9.0E	9.6Z	25 12.029	-0.0066	12	-43 38 7.38	0.006	12	0.74	12.356	45	00.2	7.68	45	00.2	F5	CZ	8582	P -43 4672
69		8.3Z	25 14.963	-0.0013	12	-47 24 29.17	-0.013	12	0.74	15.047	45	00.2	28.50	45	00.2	A0	CZ	8585	P -47 4245
70		8.1T	25 27.381	-0.0037	16	-44 15 29.31	0.005	20	0.88	27.544	24	05.3	29.55	24	05.6	K2	GC	14372	C -43 6279
71		7.1T	25 33.281	-0.0024	15	-44 5 11.82	-0.013	11	0.68	33.397	17	00.6	11.15	17	96.6	G5	GC	14376	C* -43 6280
72	10.2E	9.4Z	25 35.458	-0.0044	12	-49 22 7.76	-0.018	12	0.73	35.669	45	01.7	6.88	45	01.7	F8	CZ	8591	P -48 3301
73	9.7E	8.0Z	25 39.344	-0.0021	12	-45 1 11.22	-0.000	12	0.74	39.449	45	00.8	11.21	45	00.8	K5	CZ	8590	P -44 4837
74	8.4E	7.5Z	25 39.436	-0.0025	12	-44 50 34.96	-0.027	12	0.67	39.561	31	99.9	33.62	28	99.9	K0	CZ	8589	P -44 4836
75	9.9E	9.3Z	25 44.002	-0.0050	12	-49 21 38.05	-0.025	12	0.73	44.243	45	01.7	36.83	45	01.7	F8	CZ	8595	P -48 3304
76	9.4E	8.0Z	25 49.000	-0.0022	12	-41 45 15.37	-0.010	12	0.66	49.111	28	99.2	14.88	26	99.2	K5	CZ	8593	P -41 4606
77		8.1T	25 49.010	-0.0022	20	-41 54 14.83	-0.005	18	0.93	49.115	19	02.8	14.60	18	01.2	K5	GC	14361	C -41 5982
78	9.5E	9.6Z	25 50.302	-0.0016	12	-49 41 44.32	-0.004	12	0.73	50.381	45	01.7	44.12	45	01.7	A0	CZ	8597	P -49 3478
79	7.8E	7.5Z	25 51.426	-0.0017	12	-47 45 55.08	-0.013	12	0.74	51.511	45	00.2	54.42	45	00.2	F5	CZ	8596	P -47 4253
80		8.4T	25 55.444	-0.0016	09	-49 0 50.18	-0.003	07	0.39	55.509	15	08.3	50.06	15	05.3	B3	GC	14385	C -48 5654
81		6.0T	25 58.017	0.0003	12	-49 8 56.68	-0.038	08	0.60	58.799	21	97.6	54.41	18	89.7	K2	GC	14387	C -48 5655
82	9.1E	8.8Z	26 14.547	-0.0008	12	-49 59 26.00	-0.007	12	0.65	14.588	31	01.6	25.64	28	01.6	A0	CZ	8600	P -49 3480
83	7.6E	8.0Z	26 19.018	-0.0013	12	-46 18 17.75	-0.018	12	0.66	19.083	31	00.8	16.85	28	00.8	A0	CZ	8601	P -45 4675
84		6.8T	26 33.885	-0.0036	13	-43 34 57.79	0.006	12	0.67	34.062	17	00.2	58.12	17	97.7	A0	GC	14397	C -43 6294
85	10.1E	10.0Z	26 44.373	-0.0039	12	-42 0 17.46	0.015	12	0.66	44.569	28	99.2	18.21	26	99.2		CZ	8607	P -41 4616
86	9.6E	9.5Z	26 46.614	-0.0044	12	-46 18 21.14	-0.008	12	0.66	46.820	36	03.2	20.75	36	03.2	F5	CZ	8610	P -45 4680
87	9.3E	8.0Z	26 48.805	-0.0038	12	-48 11 4.46	0.017	12	0.66	48.998	28	99.2	5.30	26	99.2	K0	CZ	8611	P -47 4282
88	9.3E	9.2Z	26 53.859	-0.0018	12	-49 35 34.36	-0.008	12	0.72	53.948	45	02.7	33.97	45	02.7	A0	CZ	8613	P -49 3492
89		8.0T	26 55.141	-0.0037	15	-48 43 56.61	-0.005	13	0.73	55.315	22	02.4	56.37	21	98.5	B5	GC	14402K	C* -48 5670
90	10.1E	9.0Z	26 57.807	-0.0001	12	-48 54 25.54	-0.019	12	0.70	57.811	36	99.6	24.58	36	99.6	G0	CZ	8615	P -48 3321
91		7.0T	27 3.129	-0.0042	18	-48 40 58.08	-0.029	14	0.81	3.324	19	03.0	56.64	19	99.9	A3	GC	14407	C -48 5674
92	9.6E	9.5Z	27 7.301	-0.0013	12	-46 10 58.00	-0.009	12	0.64	7.364	28	01.7	57.55	26	01.7	F2	CZ	8617	P -45 4685
93	7.8E	8.0Z	27 13.326	-0.0004	12	-40 42 21.54	-0.010	12	0.84	13.347	63	01.2	21.03	57	01.2	A0	CZ	8618	P -40 4474
94		8.6T	27 20.637	-0.0020	18	-44 12 6.08	-0.044	20	0.88	20.724	24	05.3	4.11	24	04.9	M0	GC	14423	C -43 6304
95	8.2E	7.0Z	27 28.676	-0.0029	12	-42 47 40.10	0.001	12	0.65	28.820	26	99.7	40.16	24	99.7	K5	CZ	8620	P -42 4654
96	8.9E	8.5Z	27 30.458	-0.0024	12	-43 36 52.77	-0.011	12	0.65	30.577	26	99.7	52.22	24	99.7	A2	CZ	8621	P -43 4706
97	9.2E	8.4*	27 31.684	-0.0016	12	-46 38 0.21	-0.009	12	0.63	31.760	28	01.9	-59.76	26	01.9	G5	CZ	8623	P -46 4563
98	9.4E	8.5Z	27 33.319	-0.0014	12	-42 52 45.48	-0.002	12	0.69	33.386	36	00.9	45.39	36	00.9	K0	CZ	8622	P -42 4655
99	7.4E	8.5Z	27 33.454	-0.0037	12	-42 52 25.01	0.001	12	0.73	33.635	45	01.2	23.07	45	01.2	B9	CZ	8625	P -42 4662
00	9.0E	8.5Z	27 33.763	-0.0003	12	-48 2 22.35	-0.009	12	0.70	33.778	36	99.5	21.88	36	99.5	A2	CZ	8626	P -47 4271

222100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 10H DM NUMBER
1	9.4E	8.8*	10 27 59.312	-0.0017	12	-47 25 42.52	-0.016	12	0.67	59.398	31	99.5	41.69	28	99.5	A2	CZ	8629	P -47 4273
2	9.5E	9.6Z	27 59.356	-0.0024	12	-47 5 50.89	0.002	12	0.71	59.468	45	03.7	50.97	45	03.7	A0	CZ	8627D	P -46 4573
3	9.4E	9.5Z	28 0.068	-0.0025	12	-47 5 48.75	-0.016	12	0.71	0.182	45	03.7	47.99	45	03.7	A0	CZ	8628D	P -46 4573
4	9.6E	9.0Z	28 2.590	-0.0008	12	-45 37 55.85	-0.008	12	0.65	2.627	31	01.6	55.44	28	01.6	A2	CZ	8630	P -45 4696
5	10.1E	9.5*	28 13.715	-0.0044	12	-42 18 28.80	-0.008	12	0.65	13.934	28	99.8	28.39	26	99.8		CZ	8631	P -41 4635
6	9.2E	8.0Z	28 15.727	-0.0050	12	-47 55 25.93	-0.002	12	0.74	15.975	45	00.2	25.81	45	00.2	K2	CZ	8632	P -47 4275
7	11.0E	9.9*	28 40.395	-0.0016	12	-49 49 43.11	-0.005	12	0.65	40.475	31	01.6	42.85	28	01.6		CZ	8634	P -49 3516
8	8.8E	9.0Z	28 46.799	-0.0002	12	-45 53 26.62	0.002	12	0.71	46.809	45	03.2	26.70	45	03.2	F0	CZ	8635	P -45 4708
9		6.9T	28 48.521	0.0000	15	-44 6 37.16	0.021	11	0.69	48.519	22	02.5	38.30	21	96.9	G5	GC	14449	C -43 6324
10	8.8E	9.4Z	28 53.697	-0.0015	12	-43 41 43.18	-0.016	12	0.74	53.769	45	00.7	42.30	45	00.7	B9	CZ	8639	P -43 4721
11	8.8E	9.0*	28 53.764	-0.0008	12	-42 27 19.64	-0.022	12	0.65	53.803	28	99.9	18.54	26	99.9	B9	CZ	8638	P -42 4679
12		8.3T	28 55.678	-0.0031	10	-41 57 48.86	-0.020	08	0.43	55.809	15	08.0	47.97	15	04.9	A2	GC	14453	C -41 5921
13		7.4T	29 2.672	-0.0024	14	-41 58 19.27	-0.015	11	0.67	2.789	18	01.5	18.48	21	96.2	B9	GC	14456	C -41 5923
14	9.7E	9.4Z	29 5.692	-0.0056	12	-46 48 9.34	0.003	12	0.71	5.951	45	03.7	9.46	45	03.7	F5	CZ	8644	P -46 4584
15	9.8E	9.5Z	29 9.198	-0.0023	12	-40 16 20.00	0.007	12	0.84	9.310	63	01.2	20.36	57	01.2	A2	CZ	8643	P -39 4476
16	8.9	8.1W	29 13.551	0.0011	13	-40 0 38.60	-0.060	13	0.26	13.536	15	35.8	37.75	21	35.8	K0	CB	4877	C -39 6449
17	8.9E	8.5Z	29 14.808	-0.0036	12	-45 7 31.74	-0.000	12	0.66	14.990	31	00.2	31.74	28	00.2	F5	CZ	8645	P -44 4685
18	9.2E	8.5Z	29 23.929	-0.0019	12	-40 33 12.88	-0.017	12	0.67	25.024	31	99.2	12.04	28	99.2	K2	CZ	8646	P -40 4502
19	8.6E	9.0Z	29 25.246	-0.0046	12	-45 44 19.46	0.008	12	0.71	26.459	45	03.2	19.82	45	03.2	A5	CZ	8647	P -45 4720
20	9.4E	9.0Z	29 27.214	-0.0009	12	-45 11 48.13	-0.005	12	0.73	27.260	45	01.2	47.88	45	01.2	A0	CZ	8648	P -44 4690
21	10.1E	9.5Z	29 31.235	-0.0009	12	-49 18 25.45	-0.025	12	0.72	31.192	45	02.7	24.27	45	02.7	F2	CZ	8651	P -48 3351
22		7.3T	29 34.961	-0.0024	15	-44 13 38.93	-0.007	10	0.64	35.082	17	98.7	38.57	14	95.8	B3	GC	14471	C -43 6335
23	9.9E	9.0Z	29 42.505	-0.0022	12	-45 11 21.97	0.003	12	0.73	42.615	45	01.2	22.12	45	01.2	A2	CZ	8652	P -44 4894
24	9.4E	9.3*	29 45.797	-0.0014	12	-41 29 39.38	-0.006	12	0.66	45.866	31	00.2	39.09	28	00.2	A5	CZ	8653	P -41 4659
25		6.5T	29 48.165	-0.0017	10	-44 48 42.95	0.003	07	0.52	48.251	19	97.8	43.16	17	90.3	B8	GC	14477K	C -44 6582
26		6.2T	29 49.063	-0.0005	08	-44 48 32.64	-0.005	05	0.33	49.083	15	08.4	32.37	14	99.9	B8	GC	14478K	C -44 6583
27	8.8E	8.5Z	30 2.820	-0.0061	12	-49 11 36.30	0.045	12	0.65	3.125	28	99.9	38.57	26	99.9	F0	CZ	8657	P -48 3354
28	10.3E	9.0Z	30 10.140	-0.0060	12	-45 8 16.97	-0.024	12	0.66	10.437	31	00.2	15.80	28	00.2		CZ	8658	P -44 4905
29		6.0T	30 24.647	-0.0015	09	-44 21 37.36	-0.035	07	0.40	24.713	15	06.5	35.72	12	02.5	K0	GC	14493	C -43 6347
30	9.5E	9.4H	30 29.672	-0.0014	12	-45 16 45.32	-0.022	12	0.71	29.737	45	03.2	44.29	45	03.2	A2	CZ	8661	P -44 4912
31	9.9E	8.5Z	30 35.904	0.0008	12	-44 18 42.06	-0.013	12	0.73	35.864	45	01.2	41.40	45	01.2	A2	CZ	8662	P -43 4746
32		7.9T	30 36.665	-0.0027	17	-43 22 11.58	-0.019	12	0.74	36.794	19	01.6	10.59	18	99.0	K0	GC	14499	C -42 6312
33	9.7E	9.6Z	30 39.502	-0.0032	12	-45 3 36.98	-0.012	12	0.73	39.657	45	01.2	36.41	45	01.2	A0	CZ	8664	P -44 4915
34	9.2E	8.5Z	30 44.829	-0.0002	12	-49 52 41.98	0.014	12	0.72	44.838	45	02.7	42.65	45	02.7	G5	CZ	8666	P -49 3547
35	9.7E	8.9*	30 49.095	-0.0020	12	-47 10 40.12	-0.001	12	0.65	49.193	31	01.8	40.07	28	01.8	K0	CZ	8668	P -46 4607
36		5.1H	30 50.030	-0.0014	05	-46 44 43.18	0.000	04	0.15	50.071	08	19.6	43.19	07	20.5	K0	F4	1273	C -46 6205
37	8.5E	9.0Z	30 51.130	-0.0033	12	-46 45 22.02	0.002	12	0.71	51.284	45	03.7	22.10	45	03.7		CZ	8670	P -46 4608
38	9.8E	9.6Z	30 58.310	-0.0009	12	-44 16 32.14	-0.004	12	0.73	58.353	45	01.2	31.93	45	01.2		CZ	8671	P -43 4758
39	8.7E	8.5*	31 0.711	-0.0060	12	-46 3 24.18	0.033	12	0.65	1.003	31	01.6	25.78	28	01.6	F8	CZ	8672	P -45 4743
40	8.9E	9.0Z	31 3.298	-0.0009	12	-44 16 6.13	-0.005	12	0.73	3.341	45	01.2	5.87	45	01.2	A2	CZ	8673	P -43 4759
41	9.8E	9.0Z	31 6.128	0.0016	12	-47 52 7.91	-0.012	12	0.67	6.048	31	99.5	7.30	28	99.5	G0	CZ	8675	P -47 4304
42	9.7E	8.8*	31 15.765	-0.0028	12	-49 36 51.38	-0.006	12	0.65	15.899	31	01.6	51.10	28	01.6	A3	CZ	8677	P -49 3556
43	10.2E	9.5Z	31 15.875	-0.0025	12	-46 50 27.68	-0.008	12	0.71	15.993	45	03.7	27.31	45	03.7	A2	CZ	8676	P -46 4613
44		9.0T	31 21.096	-0.0052	14	-47 36 3.08	-0.001	11	0.66	21.342	24	02.8	3.05	22	97.6	A2	GC	14518	C -47 5975
45		7.2T	31 25.353	-0.0006	17	-46 43 4.52	-0.018	13	0.77	25.392	22	02.6	3.56	21	97.9	B9	GC	14520K	C -46 6219
46	8.9E	9.0*	31 28.933	0.0002	12	-46 24 58.98	-0.015	12	0.63	28.922	28	01.9	58.26	26	01.9	A0	CZ	8680	P -46 4620
47	9.4E	9.0Z	31 37.216	-0.0031	12	-41 34 53.16	0.003	12	0.73	37.368	45	01.7	53.30	45	01.7	A3	CZ	8681	P -41 4680
48	9.3E	9.6H	31 49.169	-0.0003	12	-40 24 53.72	-0.010	12	0.84	49.185	63	01.2	53.23	57	01.2	A0	CZ	8682	P -40 4543
49	9.3E	8.5Z	31 49.730	-0.0078	12	-49 59 16.25	-0.002	12	0.72	50.098	45	02.7	16.16	45	02.7	K0	CZ	8686	P -49 3561
50	8.5E	8.5Z	31 52.854	-0.0017	12	-47 16 19.80	-0.011	12	0.65	52.941	28	00.2	19.25	26	00.2	A0	CZ	8687	P -46 4625
51	10.1E	9.5Z	10 31 55.647	-0.0013	12	-49 4 54.49	0.002	12	0.74	55.712	45	00.3	54.60	45	00.3		CZ	8688	P -48 3368
52	9.6E	9.5Z	32 0.899	-0.0004	12	-47 48 26.45	-0.017	12	0.69	0.919	36	00.9	25.61	36	00.9	B9	CZ	8690	P -47 4317
53	8.6E	8.4*	32 1.949	-0.0125	12	-45 29 0.80	0.018	12	0.64	2.553	28	01.7	1.68	26	01.7	F5	CZ	8689	P -45 4757
54	9.6E	9.5Z	32 3.046	-0.0003	12	-46 53 59.21	-0.017	12	0.66	3.062	36	03.2	58.41	36	03.2	F2	CZ	8691	P -46 4629
55	9.9E	9.3Z	32 10.334	-0.0013	12	-49 55 30.21	-0.005	12	0.67	10.396	36	02.6	29.96	36	02.6	A0	CZ	8695	P -49 3563
56	8.6E	8.5Z	32 11.866	-0.0014	12	-46 13 35.11	-0.017	12	0.67	11.932	36	02.9	34.28	36	02.9	K0	CZ	8693	P -45 4763
57	9.3E	9.0*	32 17.392	-0.0051	12	-41 5 15.75	-0.002	12	0.64	17.641	28	01.5	15.64	26	01.5	G5	CZ	8694	P -40 4549
58	9.9E	9.0Z	32 18.814	-0.0003	12	-49 14 36.03	-0.037	12	0.74	18.831	45	00.3	34.18	45	00.3	F0	CZ	8697	P -48 3377
59	10.1E	8.5Z	32 24.093	-0.0009	12	-49 0 24.32	-0.010	12	0.74	24.139	45	00.3	23.82	45	00.3	K2	CZ	8699	P -48 3379
60	10.0E	9.0Z	32 25.788	0.0016	12	-49 59 49.54	-0.026	12	0.72	25.712	45	02.3	48.28	45	02.3	K0	CZ	8700	P -49 3565
61	8.9E	8.0Z	32 28.301	-0.0012	12	-41 29 27.74	-0.006	12	0.63	28.360	26	01.7	27.44	24	01.7	K2	CZ	8698	P -41 4694
62	9.6E	9.3Z	32 35.096	-0.0012	12	-41 38 22.62	-0.013	12	0.70	35.112	45	04.3	22.03	45	04.3	A3	CZ	8702	P -41 4697
63	10.0E	9.0Z	32 42.107	-0.0022	12	-44 7 30.31	-0.015	12	0.66	41.993	28	99.5	29.53	26	99.5	K0	CZ	8703	P -43 4784
64	9.9E	9.4*	32 44.557	-0.0003	12	-44 30 45.02	-0.015	12	0.66	44.574	31	00.5	44.30	28	00.5	A0	CZ	8705	P -44 4937
65	8.8E	9.0*	32 47.100	-0.0013	12	-40 46 33.58	-0.042	12	0.63	47.164	28	01.8	31.55	26	01.8	F0	CZ	8704	P -40 4557
66	9.4E	9.0Z	32 47.796	-0.0009	12	-49 0 54.62	-0.015	12	0.74	47.843	45	00.3	53.87	45	00.3	A3	CZ	8707	P -48 3383
67	10.3E	9.0*	32 50.733	0.0002	12	-43 3 38.05	-0.012	12	0.65	50.722	28	99.9	37.44	26	99.9		CZ	8706	P -42 4718
68		7.7T	32 55.863	-0.0042	15	-45 38 12.63	0.041	11	0.69	56.069	18	01.6	14.79	21	96.7	F2	GC	14550	C -45 6208
69	9.4E	9.5Z	32 58.660	0.0000	12	-48 3 57.57	-0.015	12	0.65	58.658	28	00.2	56.85	26	00.2	B9	CZ	8711	P -47 4334
70		6.2T	33 0.182	-0.0032	12	-43 24 21.80	0.020	11	0.63	0.347	18	97.8	22.86	17	95.9	G5	GC	14553	C -43 6395
71	8.8E	8.5Z	33 7.086	-0.0064	12	-42 47 37.06	0.009	12	0.66	7.408	28	99.7	37.49	26	99.7	F2	CZ	8713	P -42 4719
72	9.6E	9.5Z	33 11.044	-0.0012	12	-43 42 41.50	-0.020	12	0.74	11.103	45	00.7	40.50	45	00.7	A0	CZ	8714	P -43 4798
73	9.1E	8.0Z	33 20.054	0.0030	12	-49 55 11.25	-0.031	12	0.72	19.912	45	02.3	9.76	45	02.3	K2	CZ	8717	P -49 3576
74	9.6E	9.3*	33 21.843	-0.0013	12	-49 29 54.44	-0.011	12	0.65	21.909	31	01.3	53.90	28	01.3	A2	CZ	8718	P -49 3578
75	9.4E	9.5Z	33 25.021	0.0118	12	-46 59 52.51	-0.063	12	0.71	24.475	45	03.8	49.58	45	03.8		CZ	8719	P -46 4649
76		8.5T	33 25.277	-0.0037	18	-43 31 39.88	0.013	20	0.89	25.443	24	05.2	40.49	24	04.9	A0	GC	14565	C -43 6402
77	8.0E	8.5Z	33 26.780	-0.0013	12	-47 2 14.62	-0.012	12	0.71	26.839	45	03.8	14.05	45	03.8	B8	CZ	8720	P -46 4650
78	10.1E	9.2Z	33 33.772	-0.0002	12	-43 53 2.24	-0.024	12	0.74	33.779	45	00.7	1.04	45	00.7		CZ	8722	P -43 4810
79	10.0E	9.2Z	33 35.150	-0.0023	12	-41 5 23.98	-0.021	12	0.80	35.252	63	06.3	23.06	57	06.3		CZ	8721	P -40 4565
80	9.0E	8.1Z	33 36.037	-0.0007	12	-46 15 24.64	-0.019	12	0.81	36.068	63	05.2	23.77	57	05.2	K0	CZ	8725	P -45 4779
81	8.1E	8.5Z	33 43.044	-0.0019	12	-46 50 21.79	-0.015	12	0.71	43.131	45	03.8	21.08	45	03.8	F2	CZ	8727	P -46 4652
82	10.2E	9.0Z	33 45.240	-0.0024	12	-49 53 1.67	0.002	12	0.72	45.354	45	02.3	1.75	45	02.3	A3	CZ	8730	P -49 3588
83		7.1T	33 45.957	-0.0020	10	-48 58 19.10	-0.014	10	0.56	46.061	19	97.7	18.34	18	96.4	B9	GC	14572	C -48 5764
84	9.9E	8.5Z	33 46.770	-0.0017	12	-49 43 14.75	0.007	12	0.72	46.850	45	02.3	15.08	45	02.3	K2	CZ	8731	P -49 3589
85	7.9E	8.5Z	33 47.253	-0.0040	12	-47 13 22.78	0.005	12	0.71	47.436	45	03.8	23.01	45	03.8	A0	CZ	8728	P -46 4653
86	10.1E	9.2Z	34 2.794	-0.0003	12	-44 50 4.98	-0.009	12	0.73	2.807	45	01.7	4.52	45	01.7	A0	CZ	8733	P -44 4955
87	9.9E	9.0Z	34 10.839	-0.0012	12	-49 53 16.35	-0.002	12	0.72	10.896	45	02.3	16.24	45	02.3	A3	CZ	8736	P -49 3593
88		7.3T	34 11.044	-0.0104	18	-47 35 26.77	0.009	13	0.80	11.524	24	03.9	27.25	21	99.1	G0	GC	14585K	C*-47 6028
89		7.9T	34 14.829	-0.0004	17	-47 39 3.06	-0.010	13	0.77	14.848	24	03.8	2.57	21	99.0	B9	GC	14587	C -47 6030
90	10.3E	10.0Z	34 17.853	-0.0039	12	-48 29 21.38	0.005	12	0.74	18.045	45	00.3	21.60	45	00.3	F0	CZ	8738	P -48 3402
91		7.2T	34 36.177	-0.0006	11	-46 59 43.52	-0.025	08	0.42	36.202	15	09.8	42.40	15	06.0	G5	GC	14597	C -46 6268
92	9.3E	9.2Z	34 41.401	-0.0014	12	-42 16 55.18	-0.013	12	0.73	41.470	45	01.2	54.57	45	01.2	A2	CZ	8742	P -41 4718
93	10.4E	9.0Z	34 41.613	0.0015	12	-49 33 43.29	-0.003	12	0.72	41.341	45	02.3	43.15	45	02.3	K2	CZ	8744	P -49 3597
94		7.0T	34 45.378	0.0008	12	-41 4 52.44	-0.014	11	0.58	45.348	15	01.7	51.72	15	99.5	K0	GC	14601	C -40 6158
95	8.8E	8.5Z	34 53.043	-0.0007	12	-43 25 54.04	-0.020	12	0.74	53.077	45	00.7	53.04	45	00.7		CZ	8745	P -43 4823
96	9.9E	9.5Z	34 58.092	-0.0017	12	-42 25 33.67	-0.016	12	0.73	58.176	45	01.2	32.91	45	01.2	K0	CZ	8746	P -42 4742
97	8.8E	8.0Z	35 2.930	-0.0017	12	-45 13 16.48	-0.003	12	0.65	3.012	28	00.5	16.34	26	00.5	K0	CZ	8749	P -44 4971
98		8.0T	35 8.362	-0.0013	16	-47 37 41.52	-0.006	13	0.76	8.425	19	01.4	41.23	18	98.7	B9	GC	14613	C -47 6039
99		4.1M	35 11.696	-0.0158	04	-47 57 55.69	-0.020	04	0.21	12.463	07	01.5	54.71	06	00.6	+++ J	F3	4000	*
00		7.2T	35 12.525	-0.0051	14	-43 15 48.38	0.021	11	0.67	12.773	22	00.9	49.51	19	95.3	F2	GC	14615	C -42 6375

222200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 10H DM NUMBER
1		8.0T	10 35 13.360	0.0028	18	-48 59 14.17	-0.001	22	0.95	13.234	24	05.1	14.12	24	04.8	K5	GC	14616	C -48 5785
2	8.8E	8.0W	35 19.144	0.0064	12	-46 4 7.48	-0.038	12	0.65	18.836	31	01.8	5.64	28	01.8	K0	CZ	8754	P -45 4801
3	9.9E	9.3Z	35 24.849	0.0025	12	-40 37 43.68	-0.004	12	0.80	24.741	63	06.3	43.30	57	06.3		CZ	8755	P -40 4589
4	9.9E	9.0Z	35 28.665	-0.0008	12	-45 39 34.08	-0.013	12	0.65	28.707	31	01.8	33.44	28	01.8	K2	CZ	8758	P -45 4803
5	9.4E	8.3Z	35 36.521	-0.0027	12	-47 2 59.98	-0.003	12	0.71	36.645	45	03.8	53.82	45	03.8	F2	CZ	8760	P -46 4676
6	9.9E	9.6Z	35 41.012	-0.0016	12	-42 34 56.72	-0.008	12	0.73	41.091	45	01.2	56.36	45	01.2	A0	CZ	8761	P -42 4753
7	9.8E	8.2Z	35 41.586	-0.0032	12	-46 0 30.10	0.040	12	0.71	41.735	45	03.7	31.94	45	03.7	K5	CZ	8762	P -45 4805
8	10.1E	9.5Z	35 49.903	-0.0016	12	-46 28 39.07	-0.006	12	0.67	49.993	31	99.9	38.75	28	99.9	A2	CZ	8764	P -46 3421
9	9.8E	8.7Z	35 55.126	-0.0006	12	-42 20 22.17	-0.015	12	0.66	55.157	28	99.6	21.43	26	99.6	A0	CZ	8765	P -41 4726
10	8.8E	8.0Z	35 57.210	-0.0004	12	-43 38 50.91	-0.015	12	0.74	57.326	45	00.7	50.15	45	00.7	K0	CZ	8765	P -43 4838
11	8.9E	8.5Z	35 59.649	0.0084	12	-40 48 26.72	-0.039	12	0.80	59.546	63	06.3	25.01	57	06.3	K2	CZ	8766	P -40 4598
12		8.1T	36 5.788	-0.0007	13	-48 45 22.54	-0.004	12	0.68	5.823	22	00.8	22.32	21	98.5	A0	GC	14628	C -48 5785
13	9.8E	8.0Z	36 6.914	-0.0008	12	-44 10 39.22	-0.014	12	0.66	6.953	28	99.4	38.54	26	99.4	A3	CZ	8767	P -43 4840
14	9.8E	9.7Z	36 17.183	-0.0039	12	-41 57 13.97	0.009	12	0.70	17.361	45	04.3	14.40	45	04.3		CZ	8769	P -41 4731
15	9.8E	8.3Z	36 17.795	-0.0049	12	-41 57 34.29	0.009	12	0.70	18.020	45	04.3	34.72	45	04.3	A2	CZ	8770	P -41 4732
16	9.4E	8.8Z	36 25.230	0.0027	12	-47 48 6.10	-0.041	12	0.69	25.096	36	00.9	4.06	36	00.9	K0	CZ	8771	P -47 4367
17	10.3E	9.0Z	36 26.991	-0.0016	12	-49 27 2.20	-0.016	12	0.72	27.069	45	02.3	1.44	45	02.3	K0	CZ	8773	P -49 3620
18	8.1E	8.3Z	36 34.263	-0.0034	12	-43 8 7.09	-0.025	12	0.65	34.433	28	99.8	5.83	26	99.8	A0	CZ	8774	P -42 4760
19		7.8T	36 34.452	0.0008	09	-40 24 40.18	-0.041	08	0.41	34.411	14	05.0	38.26	12	03.3	A3	GC	14638	C -40 6186
20	9.9	10.0W	36 34.829	-0.0055	13	-40 3 59.30	-0.024	13	0.26	34.907	15	35.8	58.96	21	35.8	A3	L C8	4934	C -39 6545
21	9.7E	8.0Z	36 36.864	-0.0003	12	-49 28 54.53	-0.009	12	0.72	36.880	45	02.3	54.10	45	02.3	K5	CZ	8777	P -49 3623
22		6.2T	36 38.215	-0.0026	11	-42 29 33.72	-0.022	10	0.59	38.348	18	97.5	32.53	17	95.4	F5	GC	14640	C -42 6390
23	9.7E	8.0Z	36 38.736	-0.0029	12	-42 27 16.46	0.006	12	0.73	38.876	45	01.2	16.78	45	01.2		CZ	8776	P -42 4762
24	9.7E	9.5Z	36 38.843	-0.0013	12	-49 21 51.82	-0.016	12	0.72	38.906	45	02.3	51.05	45	02.3	A0	CZ	8778	P -48 3432
25	7.8E	8.5Z	36 46.495	0.0005	12	-46 23 44.32	-0.018	12	0.63	46.470	28	02.3	43.45	26	02.3	A0	CZ	8780	P -46 4696
26	8.4E	8.5Z	36 53.624	-0.0011	12	-44 35 21.88	-0.015	12	0.65	53.681	28	00.7	21.16	26	00.7	A0	CZ	8781	P -44 4989
27	9.5E	9.3W	36 56.759	0.0011	12	-47 22 46.22	-0.007	12	0.65	56.703	28	00.2	45.85	26	00.2	A0	CZ	8783	P -46 4698
28	9.9E	9.3W	36 59.156	-0.0028	12	-41 52 22.96	-0.022	12	0.64	59.292	28	01.4	21.90	26	01.4	F5	CZ	8782	P -41 4741
29	10.0E	9.8Z	37 2.623	-0.0004	12	-48 42 26.88	-0.005	12	0.69	2.644	36	00.9	26.65	36	00.9	B9	CZ	8787	P -48 3437
30	9.8E	8.8Z	37 2.821	-0.0019	12	-49 3 2.74	0.005	12	0.69	2.917	36	00.9	2.98	36	00.9	K0	CZ	8788	P -48 3436
31	10.3E	9.5W	37 25.574	-0.0039	12	-49 43 6.49	0.006	12	0.65	25.764	31	01.3	6.78	28	01.3	F8	CZ	8791	P -49 3632
32	9.1E	8.0Z	37 29.203	0.0022	12	-43 17 17.44	-0.028	12	0.69	29.095	36	00.9	16.05	36	00.9	M8	CZ	8790	P -42 4774
33	9.1E	8.0Z	37 33.332	0.0011	12	-42 8 27.90	-0.021	12	0.64	33.279	28	01.0	26.89	26	01.0	K0	CZ	8792	P -41 4746
34		8.5T	37 36.960	0.0003	14	-48 44 8.68	0.018	12	0.69	36.945	19	00.8	9.62	18	97.2	B9	GC	14670	C -48 5820
35	9.9E	10.0Z	37 37.888	-0.0013	12	-46 26 55.47	-0.008	12	0.66	37.948	36	03.6	55.09	36	03.6	A0	CZ	8794	P -46 4709
36	9.4E	9.5Z	37 40.581	0.0039	12	-40 48 10.87	-0.092	12	0.80	40.412	63	06.3	6.85	57	06.3	G5	CZ	8793	P -40 4626
37	10.4E	9.5Z	37 43.205	-0.0062	12	-48 5 21.93	-0.016	12	0.65	43.512	28	00.2	21.11	26	00.2	F5	CZ	8797	P -47 4408
38	9.2E	9.2Z	37 50.553	-0.0011	12	-47 48 27.85	-0.017	12	0.69	50.605	36	00.9	26.99	36	00.9	A0	CZ	8800	P -47 4410
39		6.9T	37 51.447	-0.0002	14	-49 1 8.04	0.023	12	0.68	51.456	22	01.0	9.20	17	99.2	K5	GC	14674	C -48 5822
40	9.3E	9.0Z	37 56.472	-0.0002	12	-42 49 11.05	-0.029	12	0.66	56.482	28	99.1	9.56	26	99.1	A2	CZ	8802	P -42 4779
41	9.2E	8.5W	37 56.792	-0.0083	12	-40 28 52.78	-0.043	12	0.80	57.156	63	06.3	50.89	57	06.3	K2	CZ	8801	P -40 4630
42		9.0T	38 2.159	-0.0078	26	-46 42 51.43	-0.015	17	1.00	2.497	24	06.8	50.69	22	02.2	A0	GC	14678	C -46 6324
43	8.0E	8.0Z	38 3.690	0.0000	12	-44 47 36.97	-0.010	12	0.73	3.688	45	01.7	36.47	45	01.7	A2	CZ	8806	P -44 5004
44	11.1E	9.8W	38 5.063	-0.0013	12	-40 25 23.09	-0.010	12	0.65	5.128	31	01.5	22.60	28	01.5		CZ	8805	P -40 4632
45		7.2T	38 6.077	-0.0029	18	-46 53 56.85	0.002	12	0.76	6.214	19	03.2	56.93	19	00.1	B8	GC	14680	C -46 6325
46	9.9E	10.0Z	38 12.640	-0.0022	12	-46 54 32.48	0.003	12	0.72	12.743	45	02.8	32.60	45	02.8		CZ	8809	P -46 4724
47	9.2E	8.5Z	38 18.525	-0.0023	12	-49 50 20.70	-0.011	12	0.73	18.637	45	01.3	20.15	45	01.3	A2	CZ	8811	P -49 3641
48	8.6E	8.3Z	38 18.817	-0.0021	12	-45 49 19.46	-0.002	12	0.72	18.916	45	02.7	19.34	45	02.7	A0	CZ	8810	P -45 4844
49	9.9E	9.4Z	38 22.471	-0.0007	12	-49 28 19.23	-0.006	12	0.73	22.507	45	01.3	18.94	45	01.3	A0	CZ	8812	P -49 3642
50		8.9T	38 23.604	0.0005	20	-48 43 22.11	0.016	16	0.85	23.581	24	05.4	22.86	22	02.7	K5	GC	14683	C -48 5830
51	9.0E	8.5W	10 38 26.543	-0.0024	12	-46 10 2.61	-0.007	12	0.65	26.660	31	01.2	2.25	28	01.2	A0	CZ	8814	P -45 4848
52	9.8E	9.0Z	38 28.483	-0.0010	12	-49 43 29.25	-0.001	12	0.73	28.532	45	01.3	29.19	45	01.3	A2	CZ	8815	P -49 3643
53	8.8E	8.2Z	38 28.798	-0.0006	12	-43 29 46.28	-0.031	12	0.66	28.828	28	99.6	44.70	26	99.6	A2	CZ	8813	P -43 4867
54	8.1E	7.0Z	38 41.844	-0.0046	12	-47 45 49.10	-0.010	12	0.72	42.062	45	02.2	48.60	45	02.2	K2p	CZ	8817	P -47 4419
55		8.7T	38 51.259	-0.0014	20	-48 43 25.87	-0.017	16	0.85	51.321	24	05.4	25.05	22	02.0	K5	GC	14693	C -48 5836
56	9.0E	8.8W	38 56.883	-0.0026	12	-40 28 45.03	-0.016	12	0.80	56.998	63	06.3	44.33	57	06.3	A5	CZ	8819	P -40 4641
57	10.2E		39 1.011	0.0011	12	-42 8 13.57	-0.048	12	0.71	0.961	45	03.3	11.34	45	03.3	F2	CZ	8821	P -41 4775
58	9.5E	8.5Z	39 2.013	0.0002	12	-47 46 25.97	-0.030	12	0.72	2.002	45	02.2	24.51	45	02.2	F5	CZ	8823	P -47 4425
59	9.3E	9.0Z	39 5.277	-0.0007	12	-43 1 39.75	-0.010	12	0.67	5.313	28	98.9	39.23	26	98.9	A0	CZ	8822	P -42 4793
60		7.5T	39 30.629	-0.0116	11	-45 30 26.25	-0.036	09	0.57	31.437	18	97.3	28.30	17	94.0	F5	GC	14712	C -45 6308
61		7.6T	39 42.088	-0.0097	12	-40 25 46.41	0.015	12	0.63	42.570	18	00.3	47.18	19	97.6	F8	GC	14715	C -40 6231
62	9.4E	9.8Z	39 42.117	-0.0014	12	-46 7 21.87	-0.006	12	0.72	42.183	45	02.7	21.57	45	02.7	A0	CZ	8826	P -45 4858
63	9.1E	9.0Z	39 44.175	-0.0017	12	-49 58 44.30	-0.003	12	0.66	44.260	31	00.6	44.44	28	00.6	B9	CZ	8827	P -49 3657
64	9.3E	9.0Z	39 53.691	-0.0020	12	-42 36 59.09	-0.016	12	0.67	53.794	28	98.9	58.30	26	98.9	F0	CZ	8828	P -42 4806
65	10.3E	9.2W	39 57.985	0.0015	12	-46 17 6.48	-0.049	12	0.65	57.892	31	01.3	4.07	28	01.3		CZ	8829	P -45 4864
66	9.9E	9.0Z	40 3.573	-0.0007	12	-44 57 28.78	-0.013	12	0.73	3.605	45	01.7	28.13	45	01.7	A0	CZ	8830	P -44 5028
67	9.3E	9.0Z	40 9.158	-0.0035	12	-46 44 54.25	0.045	12	0.72	9.322	45	02.8	56.35	45	02.8	F8	CZ	8831	P -46 4755
68		7.1T	40 12.368	-0.0018	17	-46 57 28.67	-0.032	12	0.73	12.452	24	04.0	27.11	22	00.3	K0	GC	14726	C -46 6361
69	8.9E	8.5Z	40 21.034	-0.0004	12	-44 59 53.63	-0.015	12	0.65	21.052	28	00.5	52.87	26	00.5	F0	CZ	8837D	P*-44 5033
70	9.9E	9.1Z	40 22.014	-0.0002	12	-45 15 37.07	-0.019	12	0.72	22.021	45	02.7	36.19	45	02.7		CZ	8838	P -44 5035
71	10.0E	7.9Z	40 22.141	-0.0002	12	-41 38 30.68	-0.019	12	0.71	22.151	45	03.3	29.79	45	03.3	K5	CZ	8836	P -41 4790
72	9.3E	9.0Z	40 28.814	-0.0058	12	-44 8 6.36	-0.014	12	0.66	29.106	28	99.2	5.68	26	99.2	F8	CZ	8839	P -43 4886
73	10.7E	9.5W	40 35.583	-0.0096	12	-44 40 2.79	0.037	12	0.66	36.060	31	00.5	4.64	28	00.5		CZ	8841	P -44 5038
74		6.9T	40 52.988	-0.0008	15	-48 47 42.26	0.032	12	0.76	53.027	26	98.3	44.02	21	94.6	K5	GC	14747	C -48 5861
75	8.0E	8.0Z	40 56.251	-0.0011	12	-48 21 25.62	-0.006	12	0.65	56.304	28	00.6	25.30	26	00.6	B8	CZ	8845	P -47 4447
76	9.4E	8.5Z	41 18.368	-0.0018	12	-49 11 29.13	-0.003	12	0.66	18.459	31	00.6	28.97	28	00.6	K0	CZ	8846	P -48 3477
77	9.1E	8.7W	41 40.409	-0.0080	12	-47 58 35.32	0.006	12	0.65	40.506	28	00.7	35.60	26	00.7	A5	CZ	8849	P -47 4455
78	10.0E	8.5Z	41 41.736	-0.0010	12	-43 29 3.37	-0.002	12	0.66	41.786	28	99.2	3.26	26	99.2	K5	CZ	8848	P -43 4902
79	8.7E	8.5Z	41 51.600	-0.0039	12	-49 19 30.34	-0.007	12	0.73	51.792	45	01.3	30.00	45	01.3	A0	CZ	8851	P -48 3486
80	10.1E	10.0Z	41 51.795	-0.0023	12	-47 5 44.80	-0.005	12	0.64	51.906	28	01.0	44.53	26	01.0	A2	CZ	8850	P -46 4791
81	10.2E	9.4Z	41 54.288	-0.0013	12	-49 42 52.06	-0.002	12	0.73	54.332	45	01.3	51.96	45	01.3		CZ	8853	P -49 3678
82		7.3T	41 58.781	-0.0046	13	-48 38 2.35	-0.001	12	0.68	59.008	18	00.5	2.29	21	97.4	F5	GC	14766K	C -48 5881
83	10.7E	9.4W	42 4.806	0.0029	12	-46 30 49.09	-0.003	12	0.64	4.664	28	01.1	48.92	26	01.1		CZ	8855	P -46 4794
84	9.2E	9.0Z	42 9.358	-0.0008	12	-41 47 33.58	-0.005	12	0.63	9.397	26	01.4	33.36	24	01.4	A2	CZ	8856	P -41 4822
85	9.1E	8.0Z	42 10.142	0.0012	12	-49 34 40.71	0.005	12	0.68	10.083	31	00.6	40.95	28	00.6	F0	CZ	8861	P -49 3682
86	9.0E	9.0Z	42 10.306	-0.0027	12	-45 56 38.38	0.004	12	0.64	10.438	28	01.2	38.56	26	01.2	G0	CZ	8860	P -45 4886
87		8.7T	42 10.792	0.0019	26	-49 34 41.96	-0.029	26	1.17	10.708	21	05.0	40.66	21	05.0	F0	GC	14776	C -49 5492
88	9.5E	9.0Z	42 11.247	-0.0029	12	-49 28 17.63	-0.001	12	0.73	11.390	45	01.3	17.58	45	01.3	A0	CZ	8862	P -49 3683
89	10.4E	9.7Z	42 28.578	-0.0028	12	-49 26 43.11	-0.000	12	0.73	28.716	45	01.3	43.10	45	01.3		CZ	8863	P -49 3686
90		9.2T	42 34.108	-0.0023	20	-43 41 45.33	-0.105	18	0.92	34.217	19	03.0	40.36	19	02.5	G5	GC	14788	C -43 6522
91	9.2E	9.5Z	42 36.904	-0.0010	12	-42 10 13.48	-0.028	12	0.73	36.954	45	01.3	12.14	45	01.3	A2	CZ	8865	P -41 4830
92	9.1E	8.9Z	42 47.848	-0.0016	12	-43 36 12.21	-0.007	12	0.72	47.923	45	02.8	11.87	45	02.8	A2	CZ	8867	P -43 4914
93		9.7T	42 53.635	-0.0053	22	-41 0 55.33	0.142	22	1.06	53.881	18	03.5	1.92	18	03.5	K5	GC	14794	C -40 6271
94	9.4E	9.0Z	42 56.394	0.0004	12	-49 40 57.32	-0.011	12	0.73	56.374	45	01.3	56.78	45	01.3	A0	CZ	8871	P -49 3692
95	10.0E	9.0W	42 59.468	-0.0008	12	-42 34 35.37	-0.006	12	0.65	59.508	28	00.4	35.09	26	00.4	K0	CZ	8869	P -42 4844
96	9.2E	9.0Z	43 0.658	-0.0030	12	-49 0 17.72	-0.009	12	0.73	0.806	45	01.2	17.28	45	01.2	F0	CZ	8873	P -48 3495
97	9.6E	9.0Z	43 2.218	-0.0015	12	-40 18 35.37	-0.013	12	0.83	2.292	63	02.2	34.75	57	02.2	A0	CZ	8870	P -39 4635
98	10.2E	9.3W	43 6.711	0.0003	12	-47 16 14.63	-0.017	12	0.66	6.696	31	00.2	13.77	28	00.2		CZ	8874	P -46 4804
99	9.9E	9.4Z	43 12.339	0.0002	12	-43 26 22.10	-0.009	12	0.72	12.329	45	02.8	21.66	45	02.8	A0	CZ	8875	P -43 4923
00	9.8E	9.1W	43 18.310	-0.0010	12	-44 51 58.76	-0.006	12	0.66	18.359	31	00.2	58.44	28	00.2	A0	CZ	8876	P -44 5058

222300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 10H DM NUMBER
1	9.5E	8.0Z	10 43 23.667	-0.0029	12	-48 58 41.03	-0.008	12	0.73	23.810	45	01.2	40.64	45	01.2	K2	CZ	8879	P -48 3504
2	7.9E	8.0Z	43 27.786	0.0010	12	-41 14 1.60	-0.001	12	0.83	27.739	63	02.2	1.56	57	02.2	A2	CZ	8878	P -40 4706
3		6.7T	43 30.796	0.0002	13	-47 11 47.45	-0.015	10	0.65	30.787	21	99.0	46.62	18	92.8	M0	GC	14807	C -46 6415
4	9.6E	9.1H	43 33.549	0.0020	12	-45 29 44.06	0.009	12	0.65	33.449	31	00.9	44.48	28	00.9	F5	CZ	8883	P -45 4902
5		6.8T	43 35.699	0.0007	12	-40 42 36.67	-0.014	12	0.64	35.662	17	98.6	35.92	17	97.0	K0	GC	14810	C -40 6279
6	9.9E	9.0Z	43 39.833	-0.0011	12	-47 41 32.92	-0.013	12	0.73	39.885	45	01.2	32.27	45	01.2	B9	CZ	8886	P -47 4471
7	9.8E	8.5Z	43 40.971	-0.0030	12	-41 28 30.94	-0.040	12	0.73	41.119	45	01.3	28.99	45	01.3		CZ	8884	P -41 4850
8	9.5E	8.5Z	43 48.949	-0.0021	12	-44 26 28.43	-0.017	12	0.73	49.049	45	01.2	27.58	45	01.2	K0	CZ	8887	P -44 5063
9	9.9E	8.8Z	43 50.777	-0.0017	12	-44 50 14.49	-0.001	12	0.73	50.858	45	01.2	14.42	45	01.2		CZ	8888	P -44 5064
10	7.9E	7.5Z	44 0.517	-0.0035	12	-41 11 59.66	-0.063	12	0.83	0.685	63	02.2	56.65	57	02.2	G5	CZ	8889	P -40 4715
11	10.0E	9.7Z	44 4.185	-0.0017	12	-48 37 2.11	-0.007	12	0.73	4.268	45	01.2	1.79	45	01.2		CZ	8892	P -48 3509
12	10.0E	8.5Z	44 7.938	-0.0385	12	-49 7 36.74	0.117	12	0.73	9.818	45	01.2	42.45	45	01.2	G5	CZ	8895	P -48 3510
13	9.0E	9.0Z	44 10.451	-0.0021	12	-41 41 9.82	-0.023	12	0.73	10.554	45	01.3	8.69	45	01.3	K0	CZ	8893	P -41 4856
14		7.1T	44 13.606	-0.0074	13	-42 22 47.74	0.000	12	0.69	13.978	18	99.6	47.76	18	95.8	F2	GC	14822	C -41 6112
15	10.1E	9.5Z	44 17.521	-0.0009	12	-47 22 8.47	-0.010	12	0.73	17.564	45	01.2	7.97	45	01.2	G5	CZ	8903	P -46 4821
16	8.9E	9.5Z	44 19.548	-0.0011	12	-41 50 39.68	-0.016	12	0.73	19.602	45	01.3	38.92	45	01.3	A2	CZ	8900	P -41 4859
17	9.1E	8.3Z	44 21.891	-0.0059	12	-41 3 35.09	0.050	12	0.83	22.173	63	02.2	37.47	57	02.2	G5	CZ	8902	P -40 4721
18		6.6T	44 23.299	-0.0003	12	-42 55 41.38	-0.063	07	0.57	23.312	21	98.9	37.44	18	87.9	A3	GC	14832	C -42 6484
19		7.5Q	44 23.301	0.0014	14	-42 20 47.92	-0.026	12	0.71	23.231	22	00.9	46.57	21	97.5	G5	GC	14833	C -41 6114
20	10.1E	9.1Z	44 32.505	-0.0027	12	-42 1 28.67	-0.015	12	0.66	32.642	28	99.6	27.93	26	99.6		CZ	8906	P -41 4863
21		2.8M	44 36.818	0.0072	03	-49 9 19.66	-0.050	03	0.17	36.479	06	02.8	17.33	06	03.0	G5	J F3	408	
22	10.2E	9.2H	44 36.881	-0.0022	12	-41 40 30.81	-0.016	12	0.73	36.989	45	01.3	30.03	45	01.3	A5	CZ	8907	P -41 4866
23	9.7E	9.0Z	44 37.293	-0.0012	12	-41 40 20.61	-0.022	12	0.73	37.352	45	01.3	19.54	45	01.3	A5	CZ	8908	P -41 4866
24	9.4E	9.5Z	44 38.605	-0.0023	12	-47 36 5.82	-0.015	12	0.73	38.716	45	01.2	5.07	45	01.2	F5	CZ	8911	P -47 4482
25	9.5E	9.0Z	44 39.982	-0.0025	12	-47 28 10.21	-0.051	12	0.73	40.103	45	01.2	7.71	45	01.2	G0	CZ	8913	P -47 4483
26	9.5E	9.0Z	44 41.153	-0.0010	12	-48 51 20.65	-0.036	12	0.73	41.203	45	01.2	18.89	45	01.2	A5	CZ	8914	P -48 3521
27	8.4E	8.5Z	44 41.848	0.0001	12	-44 0 50.71	-0.007	12	0.65	41.840	28	00.7	50.34	26	00.7	A0	CZ	8912	P -43 4937
28	9.3E	9.0Z	44 46.526	-0.0011	12	-48 34 2.02	-0.007	12	0.73	46.581	45	01.2	1.70	45	01.2	B9	CZ	8915	P -48 3523
29	9.5E	9.0Z	44 54.017	-0.0016	12	-45 41 35.42	-0.046	12	0.72	54.091	45	02.3	33.21	45	02.3	G0	CZ	8920	P -45 4918
30	9.9E	9.5Z	44 54.229	-0.0033	12	-45 12 31.29	0.003	12	0.66	54.391	31	00.2	31.45	28	00.2		CZ	8919	P -44 5075
31	9.5E	9.1Z	44 54.985	-0.0019	12	-41 2 28.20	0.016	12	0.83	55.077	63	02.2	28.95	57	02.2	G0	CZ	8918	P -40 4729
32	9.1E	8.8*	44 59.963	-0.0023	12	-44 21 43.40	-0.010	12	0.66	+ 0.075	31	00.2	42.88	28	00.2	A2	CZ	8921	P -43 4940
33	9.1E	9.2Z	45 0.687	-0.0006	12	-44 55 48.15	-0.005	12	0.73	0.715	45	01.2	47.89	45	01.2	A2	CZ	8922	P -44 5077
34	9.1E	9.0Z	45 8.906	-0.0015	12	-42 18 17.50	0.010	12	0.72	8.978	45	02.3	17.99	45	02.3	A3	CZ	8923	P -41 4870
35	9.8E	9.0Z	45 16.706	-0.0102	12	-44 40 0.89	-0.015	12	0.73	17.206	45	01.2	0.18	45	01.2	F5	CZ	8927	P -44 5079
36	8.7E	8.3Z	45 16.958	-0.0030	12	-42 32 10.24	0.009	12	0.72	17.102	45	02.3	10.69	45	02.3	F0	CZ	8926	P -42 4870
37	9.6E	9.0*	45 36.670	-0.0007	12	-46 7 44.59	-0.005	12	0.65	36.705	31	00.9	44.32	28	00.9		CZ	8929	P -45 4929
38	9.8E	9.0Z	45 59.310	-0.0007	12	-47 50 46.97	-0.019	12	0.73	59.342	45	01.2	46.02	45	01.2	A2	CZ	8935	P -47 4500
39	9.9E	9.0Z	46 3.180	0.0003	12	-41 0 44.54	-0.008	12	0.83	3.167	63	02.2	44.16	57	02.2	K0	CZ	8934	P -40 4744
40	9.4E	8.8Z	46 7.849	0.0035	12	-41 40 55.34	-0.037	12	0.66	7.673	28	99.6	53.47	26	99.6	F5	CZ	8937	P -41 4886
41	9.0E	8.8*	46 14.810	-0.0029	12	-46 46 24.55	-0.004	12	0.66	14.953	31	00.6	24.34	28	00.6	A2	CZ	8941	P -46 4852
42	8.4E	8.0Z	46 15.814	-0.0013	12	-44 6 50.39	0.003	12	0.72	15.873	45	02.8	50.55	45	02.8	B9	CZ	8940	P -43 4949
43		7.0T	46 25.294	-0.0160	14	-48 5 11.18	0.028	12	0.70	26.107	15	99.2	12.72	15	96.0	F2	GC	14882	C -47 6217
44	10.3E	9.0Z	46 26.464	-0.0024	12	-44 47 20.13	-0.000	12	0.66	26.581	31	00.2	20.11	28	00.2		CZ	8943	P -44 5097
45	8.5E	8.5Z	46 28.859	-0.0030	12	-45 2 20.30	-0.007	12	0.73	29.002	45	01.2	19.96	45	01.2	A3	CZ	8947	P -44 5099
46	9.1E	9.0Z	46 29.817	-0.0021	12	-43 9 27.47	-0.012	12	0.65	29.920	28	00.5	26.86	26	00.5	F0	CZ	8946	P -42 4884
47		6.6T	46 30.848	-0.0068	10	-47 29 8.55	0.021	08	0.41	31.138	15	07.6	9.49	15	04.0	G5	GC	14885	C -47 6219
48	10.6E	8.9Z	46 36.803	-0.0050	12	-41 10 40.49	0.039	12	0.83	37.043	63	02.2	42.35	57	02.2	K0	CZ	8950	P -40 4750
49	11.4E	9.2H	46 36.914	0.0017	12	-41 10 31.41	0.007	12	0.83	36.834	63	02.2	31.74	57	02.2	K0	CZ	8949	P -40 4750
50	9.4E	9.4Z	46 48.199	-0.0040	12	-43 32 10.25	-0.012	12	0.66	48.385	36	03.3	9.68	36	03.3	A5	CZ	8951D	P -43 4955
51	10.5E	9.6Z	10 46 48.600	-0.0038	12	-43 32 12.78	-0.021	12	0.66	48.777	36	03.3	11.79	36	03.3	A5	CZ	8952D	P -43 4955
52	10.0E	9.0Z	46 49.378	-0.0057	12	-42 32 11.36	0.031	12	0.72	49.650	45	02.3	12.85	45	02.3		CZ	8953	P -42 4887
53	9.1E	8.8Z	46 50.395	-0.0033	12	-49 24 16.77	-0.017	12	0.73	50.557	45	01.3	15.93	45	01.3	A0	CZ	8954	P -49 3740
54	10.4E	9.2*	46 53.788	-0.0008	12	-48 51 51.21	-0.031	12	0.64	53.829	28	01.2	49.70	26	01.2		CZ	8955	P -48 3549
55	7.8E	8.0Z	46 56.850	0.0000	12	-46 30 49.15	-0.003	12	0.64	56.849	28	01.0	48.99	26	01.0	B2	CZ	8956	P -46 4861
56	8.9E	9.0Z	47 1.973	-0.0013	12	-49 20 2.39	-0.016	12	0.66	2.040	31	00.6	1.60	28	00.6	A0	CZ	8959	P -48 3552
57	9.2E	9.0Z	47 1.997	-0.0037	12	-46 13 48.93	-0.000	12	0.68	2.174	36	02.2	48.91	36	02.2	K0	CZ	8958	P -45 4943
58	11.5E	9.0*	47 2.184	-0.0013	12	-43 32 9.12	-0.025	12	0.64	2.246	28	01.8	7.91	26	01.8		CZ	8957	P -43 4956
59	9.6E	10.0Z	47 9.570	-0.0013	12	-46 27 36.93	-0.013	12	0.68	9.633	36	01.9	36.29	36	01.9	A0	CZ	8963	P -46 4868
60		6.7T	47 10.963	-0.0058	10	-42 6 11.45	0.003	08	0.41	11.212	15	06.8	11.60	14	03.5	K2	GC	14899	C -41 6152
61	8.7E	8.0Z	47 12.655	-0.0023	12	-41 32 31.33	-0.017	12	0.65	12.771	28	00.1	30.48	26	00.1	K0	CZ	8962	P -41 4906
62	8.0E	8.1Z	47 13.927	-0.0005	12	-44 1 11.87	0.002	12	0.66	13.948	36	03.3	11.99	36	03.3	A0	CZ	8967	P -43 4959
63	9.8E	9.5Z	47 16.621	-0.0026	12	-47 25 45.25	-0.018	12	0.68	16.745	36	01.9	44.37	36	01.9	A3	CZ	8968	P -47 4520
64	8.6E	8.8Z	47 37.563	0.0004	12	-47 30 3.55	-0.035	12	0.68	37.542	36	01.9	1.85	36	01.9	F8	CZ	8971	P -47 4526
65	8.7E	8.6H	47 43.276	-0.0032	12	-45 20 18.72	0.001	12	0.68	43.427	36	02.2	18.75	36	02.2	K0	CZ	8972	P -44 5111
66	9.6E	9.1Z	47 46.190	-0.0004	12	-44 16 53.33	-0.083	12	0.72	46.206	45	02.8	49.44	45	02.8		CZ	8974	P -43 4964
67	8.5E	8.5Z	47 46.347	-0.0062	12	-40 41 19.76	-0.067	12	0.83	46.645	63	02.2	16.56	57	02.2	G0	CZ	8973	P -40 4767
68	10.0E	8.5Z	47 49.505	0.0001	12	-49 8 7.03	-0.005	12	0.68	49.502	36	01.9	6.78	36	01.9		CZ	8975	P -48 3560
69		7.0T	48 7.023	-0.0027	14	-48 50 49.24	0.019	11	0.64	7.158	18	99.8	50.28	19	95.0	K0	GC	14911	C -48 5968
70	10.8E	9.6*	48 25.068	-0.0008	12	-49 39 58.74	-0.031	12	0.66	25.107	31	00.6	57.20	28	00.6		CZ	8979	P -49 3766
71	10.1E	9.3*	48 41.753	-0.0019	12	-44 32 13.83	-0.003	12	0.65	41.844	31	01.2	13.70	28	01.2		CZ	8982	P -44 5125
72	9.6E	9.5Z	48 41.838	0.0008	12	-41 40 8.03	-0.015	12	0.73	41.800	45	01.8	7.31	45	01.8	F0	CZ	8980	P -41 4927
73	9.6E	9.1H	48 47.612	-0.0010	12	-45 24 56.98	-0.005	12	0.66	47.659	31	00.5	56.72	28	00.5	G5	CZ	8983	P -45 4962
74	10.0E	9.0Z	48 53.277	-0.0055	12	-48 14 15.22	-0.015	12	0.73	53.540	45	01.8	14.52	45	01.8	A2	CZ	8985	P -47 4545
75	8.3E	8.0Z	48 54.132	-0.0028	12	-49 14 17.42	0.011	12	0.73	54.269	45	01.7	17.95	45	01.7	K0	CZ	8987	P -48 3577
76	8.3E	9.0Z	49 17.987	-0.0009	12	-41 31 13.49	-0.007	12	0.65	18.033	28	99.9	13.13	26	99.9	A0	CZ	8988	P -41 4939
77	9.6E	9.9Z	49 24.584	-0.0017	12	-45 39 37.79	-0.015	12	0.73	24.664	45	01.7	37.05	45	01.7	A0	CZ	8990	P -45 4970
78	9.3E	9.0Z	49 25.969	0.0030	12	-41 38 41.95	-0.030	12	0.73	25.826	45	01.8	40.50	45	01.8	G0	CZ	8989	P -41 4942
79	8.1E	8.5Z	49 26.317	-0.0016	12	-44 46 22.15	-0.007	12	0.72	26.391	45	02.8	21.80	45	02.8	A2	CZ	8991	P -44 5136
80	10.1E	9.5Z	49 33.065	-0.0025	12	-40 51 58.84	-0.008	12	0.83	33.185	63	02.2	58.46	57	02.2		CZ	8993	P -40 4796
81	10.6E	9.4*	49 36.297	-0.0023	12	-47 55 29.95	-0.007	12	0.66	36.409	31	00.6	29.58	28	00.6	A	CZ	8995	P -47 4549
82	9.9E	9.5Z	49 37.541	-0.0023	12	-47 48 17.07	0.001	12	0.73	37.650	45	01.8	17.10	45	01.8	B9	CZ	8996	P -47 4550
83	9.1E	8.5Z	49 38.107	-0.0039	12	-40 51 4.25	0.009	12	0.83	38.295	63	02.2	4.67	57	02.2	G0	CZ	8994	P -40 4799
84	10.6E	9.3*	49 39.978	-0.0001	12	-45 12 21.35	-0.007	12	0.65	39.980	31	01.3	21.02	28	01.3		CZ	8997	P -44 5142
85		6.7T	49 42.081	0.0068	10	-48 53 27.91	-0.055	08	0.42	41.792	14	07.6	25.44	15	05.3	F5	GC	14942	C -48 5991
86	9.6E	9.0Z	49 53.328	-0.0016	12	-44 52 27.38	0.018	12	0.72	53.402	45	02.8	28.21	45	02.8		CZ	9000	P -44 5144
87	9.4E	9.0Z	49 54.814	-0.0021	12	-43 18 12.79	-0.024	12	0.63	54.915	28	02.0	11.62	26	02.0	F0	CZ	9001	P -42 4917
88	10.2E	8.6Z	49 58.368	0.0014	12	-42 15 56.17	-0.034	12	0.84	58.301	63	01.3	54.53	57	01.3		CZ	9002	P -41 4947
89	10.9E	9.5*	50 12.423	-0.0013	12	-47 37 12.70	-0.011	12	0.66	12.485	31	00.6	12.14	28	00.6		CZ	9005	P -47 4555
90	10.4E	9.5*	50 12.876	-0.0016	12	-46 31 0.95	-0.012	12	0.66	12.955	31	00.2	0.33	28	00.2		CZ	9004	P -46 4906
91	10.0E	9.4Z	50 19.165	-0.0022	12	-43 2 0.31	-0.020	12	0.72	19.269	45	02.8	59.35	45	02.8		CZ	9008	P -42 4920
92		8.1T	50 20.199	-0.0014	10	-45 57 4.79	-0.001	07	0.41	20.259	15	08.3	4.72	15	04.2	A2	GC	14958	C -45 6469
93	9.6E	8.5Z	50 21.492	-0.0028	12	-43 19 8.23	-0.007	12	0.70	21.620	45	04.3	7.90	45	04.3	K0	CZ	9009	P -42 4921
94	9.6E	9.8Z	50 25.163	-0.0023	12	-43 11 0.65	-0.021	12	0.65	25.276	28	00.7	59.60	26	00.7	A0	CZ	9011	P -42 4922
95	9.8E	9.0Z	50 30.974	-0.0059	12	-41 5 55.22	-0.011	12	0.66	31.273	28	99.5	54.65	26	99.5		CZ	9013	P -40 4805
96	9.5E	8.7Z	50 31.048	-0.0011	12	-40 22 29.62	-0.007	12	0.66	31.105	28	99.3	29.26	26	99.3	A5	CZ	9012	P -39 4738
97	9.2E	8.2Z	50 32.478	-0.0006	12	-41 26 10.89	-0.023	12	0.73	32.508	45	01.8	9.78	45	01.8	K5	CZ	9014	P -41 4956
98	9.1E	9.0Z	50 45.461	-0.0013	12	-47 7 3.29	-0.008	12	0.66	45.525	31	00.2	2.87	28	00.2	K0	CZ	9016	P -46 4909
99	9.5E	8.5Z	50 47.919	-0.0051	12	-43 16 42.33	-0.005	12	0.70	48.152	45	04.3	42.09	45	04.3	G5	CZ	9015	P -42 4927
00		7.9T	50 48.102	-0.0027	15	-40 9 3.73	-0.015	12	0.70	48.232	21	01.8	2.94	19	98.2	A0	GC	14967	C -39 6749

222400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 10H DM NUMBER
1	8.9E	9.0Z	10 50 53.582	-0.0007	12	-44 33 14.88	-0.014	12	0.72	53.618	45	02.8	14.23	45	02.8	A2	CZ	9017	P -44 5164
2	9.7E	9.0Z	51 4.446	0.0086	12	-42 59 58.48	-0.079	12	0.72	4.134	45	02.8	54.74	45	02.8	G0	CZ	9018	P -42 4933
3	9.8E	8.9Z	51 12.084	-0.0843	12	-44 8 42.45	0.002	12	0.64	13.236	28	01.7	42.57	28	01.7	G0	CZ	9019	P -43 4984
4	9.8E	10.0Z	51 26.853	-0.0029	12	-46 18 10.31	-0.001	12	0.67	26.991	36	02.5	10.25	36	02.5		CZ	9023	P -45 4988
5		7.4T	51 32.807	-0.0011	13	-42 51 3.27	-0.027	12	0.68	32.862	18	97.7	1.81	17	96.6	K0	GC	14964	C -42 6572
6	9.8E	9.3H	51 44.676	-0.0023	12	-45 48 39.81	0.003	12	0.65	44.709	28	00.9	39.94	28	00.9	A0	CZ	9028	P -45 5001
7	9.8E	8.9Z	51 47.804	-0.0018	12	-49 3 52.78	-0.010	12	0.66	47.694	31	00.9	52.29	28	00.9	A0	CZ	9029	P -48 3998
8	9.8E	8.9Z	51 54.525	-0.0010	12	-48 53 55.50	-0.020	12	0.73	54.575	45	01.7	54.54	45	01.7	K0	CZ	9031	P -48 3803
9	9.8E	9.1Z	51 56.864	-0.0001	12	-43 24 50.58	-0.008	12	0.62	56.849	28	01.8	50.18	24	01.8	G5	CZ	9030	P -43 5000
10	9.8E	8.9Z	52 5.045	-0.0029	12	-42 23 48.65	0.022	12	0.67	5.179	36	02.6	49.71	36	02.6		CZ	9033	P -42 4947
11	9.8E	9.0Z	52 11.022	-0.0042	12	-47 13 30.01	-0.010	12	0.67	11.221	36	02.5	29.52	36	02.5	K0	CZ	9036	P -46 4986
12	9.8E	9.9Z	52 12.286	-0.0017	12	-44 41 33.78	0.003	12	0.64	12.311	28	01.5	33.95	28	01.5	A2	CZ	9035	P -44 5188
13	9.8E	8.9Z	52 15.977	-0.0017	12	-48 16 14.45	0.001	12	0.73	16.037	45	01.7	14.48	45	01.7	K0	CZ	9037	P -47 4981
14	9.8E	9.0Z	52 17.601	-0.0008	12	-49 31 54.48	-0.013	12	0.68	17.646	31	00.6	53.84	28	00.6	K0	CZ	9040	P -49 3803
15	9.8E	9.6Z	52 18.768	-0.0043	12	-46 29 40.12	-0.007	12	0.67	18.974	36	02.5	39.77	36	02.5	G	CZ	9039	P -46 4988
16	8.8E	8.9Z	52 19.787	-0.0001	12	-44 25 14.65	-0.014	12	0.67	19.789	36	02.6	14.01	36	02.6	F2	CZ	9038	P -44 5188
17	7.8E	7.9H	52 26.918	-0.0055	12	-41 45 3.73	-0.023	12	0.64	27.193	28	00.2	2.58	24	00.2	K0	CZ	9041	P -41 4985
18	9.4E	9.1H	52 29.404	-0.0086	12	-45 20 11.02	-0.002	12	0.65	29.530	28	00.9	10.90	28	00.9	F0	CZ	9042	P -44 5192
19	9.8E	9.0Z	52 31.532	-0.0019	12	-46 39 55.54	-0.012	12	0.67	31.621	36	02.5	54.94	36	02.5	K2	CZ	9043	P -46 4930
20	9.4E	8.5Z	52 38.682	-0.0032	12	-46 18 58.67	0.001	12	0.64	38.838	28	01.4	58.70	28	01.4	K5	CZ	9045	P -45 5008
21	9.1E	8.0Z	52 42.782	-0.0065	12	-41 36 47.77	-0.011	12	0.73	43.083	45	00.8	47.22	45	00.8	K2	CZ	9046	P -41 4990
22		6.3T	52 44.692	-0.0038	07	-41 55 2.82	-0.005	07	0.30	44.777	10	08.9	2.62	10	06.7	A0	GC	15014	C -41 6220
23		6.7T	53 11.191	-0.0059	11	-42 45 12.49	0.013	11	0.60	11.495	18	98.0	13.17	17	96.5	A0	GC	15084	C -42 6595
24	10.4E	9.5H	53 13.216	-0.0012	12	-40 27 49.63	-0.005	12	0.67	13.279	28	98.8	49.37	28	98.8		CZ	9049	P -40 4842
25	10.7E	9.8H	53 19.440	-0.0016	12	-48 35 27.74	-0.021	12	0.66	19.520	31	00.9	26.73	28	00.9		CZ	9050	P -48 3617
26	8.8E	8.0Z	53 22.304	-0.0003	12	-48 58 59.70	-0.008	12	0.73	22.321	45	01.7	59.31	45	01.7	K0	CZ	9052	P -48 3619
27	9.3E	9.3Z	53 25.434	-0.0040	12	-46 44 40.87	-0.010	12	0.71	25.608	45	03.6	40.39	45	03.6	F0	CZ	9053	P -46 4942
28	9.8E	9.0Z	53 25.668	-0.0039	12	-44 2 38.07	-0.065	12	0.64	25.856	28	01.2	34.92	28	01.2	F8	CZ	9051	P -43 5015
29	9.8E	9.0Z	53 38.493	-0.0006	12	-47 18 27.82	-0.027	12	0.64	39.521	31	02.2	26.51	28	02.2	A0	CZ	9055D	P+ -46 4944
30	9.9E	9.6Z	53 45.467	-0.0012	12	-44 57 26.99	-0.003	12	0.71	45.522	45	03.2	26.83	45	03.2		CZ	9058	P -44 5208
31	9.1E	8.0Z	53 45.903	-0.0006	12	-40 55 58.95	-0.010	12	0.85	45.934	63	00.3	58.45	57	00.3	K5	CZ	9056	P -40 4846
32	10.2E	9.3H	53 47.552	-0.0007	12	-42 28 57.08	-0.012	12	0.65	47.588	28	00.1	56.50	28	00.1		CZ	9059	P -42 4969
33	10.4E	9.4Z	53 49.553	-0.0014	12	-41 17 45.21	-0.035	12	0.66	49.624	28	99.5	45.43	28	99.5		CZ	9060	P -40 4848
34	10.2E	9.4H	53 51.586	-0.0030	12	-43 6 35.21	-0.009	12	0.65	51.716	28	00.2	34.75	28	00.2		CZ	9061	P -42 4970
35	9.6E	8.5Z	53 58.012	-0.0027	12	-49 17 3.79	-0.021	12	0.73	58.146	45	01.2	2.76	45	01.2	K0	CZ	9063	P -48 3622
36		7.5T	53 58.661	-0.0035	16	-47 49 25.57	-0.008	11	0.69	58.826	22	02.9	25.19	18	00.1	K0	GC	15043	C -47 6334
37	9.7E	9.3Z	53 59.940	-0.0029	12	-49 49 5.72	-0.012	12	0.73	+ 0.081	45	01.2	5.12	45	01.2	A0	CZ	9064	P -49 3831
38	9.3E	8.9H	54 10.919	0.0001	12	-47 11 21.23	-0.016	12	0.65	10.914	31	01.6	20.47	28	01.8	B5	CZ	9065	P -46 4953
39	8.1E	8.0Z	54 16.751	-0.0031	12	-48 3 52.95	-0.023	12	0.64	16.897	31	02.2	51.83	28	02.2	F0	CZ	9066	P -47 4803
40	8.8E	9.0Z	54 17.113	-0.0037	12	-49 59 31.65	-0.005	12	0.66	17.296	31	00.6	31.39	28	00.6	F5	CZ	9067	P -49 3834
41	8.4E	8.0Z	54 23.368	-0.0051	12	-41 46 23.14	0.008	12	0.73	23.619	45	00.8	23.55	45	00.8	F0	CZ	9068	P -41 5011
42		6.5T	54 27.282	-0.0126	11	-40 18 18.02	-0.100	10	0.47	27.800	15	08.9	13.71	14	07.0	G0	GC	15049	C+ -39 6797
43	9.5E	9.3H	54 34.875	-0.0006	12	-46 52 51.15	-0.016	12	0.65	34.903	31	01.8	50.37	28	01.8	A2	CZ	9072	P -46 4959
44		7.5T	54 55.887	-0.0025	20	-44 32 33.81	-0.051	22	0.97	56.000	24	05.4	31.52	24	05.6	F0	GC	15056	C -44 6954
45	8.7E	8.5Z	54 58.389	-0.0040	12	-49 28 12.23	0.002	12	0.73	58.586	45	01.2	12.32	45	01.2	K0	CZ	9076	P -49 3840
46	9.7E	9.3Z	55 0.283	-0.0013	12	-43 30 35.18	-0.000	12	0.71	0.343	45	03.2	35.17	45	03.2	A3	CZ	9074	P -43 5031
47	9.8E	9.0Z	55 5.991	-0.0052	12	-42 9 38.01	0.004	12	0.66	6.255	28	99.3	39.24	26	99.3		CZ	9078	P -41 5020
48	8.8E	8.5Z	55 6.422	0.0009	12	-40 42 6.73	-0.020	12	0.85	6.379	63	00.3	5.74	57	00.3	A0	CZ	9077	P -40 4861
49	9.7	8.8H	55 9.222	-0.0038	13	-40 6 48.01	0.010	13	0.26	9.277	15	35.4	48.16	21	35.4	K0	CB	5102	C -39 6805
50	8.7E	9.0Z	55 13.197	-0.0004	12	-49 7 5.28	-0.005	12	0.66	13.317	31	00.9	5.03	28	00.9	A0	CZ	9079	P -48 3629
51	9.0E	9.0Z	10 55 17.217	-0.0022	12	-46 10 7.54	0.051	12	0.66	17.325	31	00.8	10.03	28	00.8	G5	CZ	9081	P -45 5060
52	8.0E	8.0Z	55 19.243	0.0068	12	-40 51 50.77	-0.062	12	0.85	18.907	63	00.3	47.69	57	00.3	F2	CZ	9080	P -40 4864
53	9.1E	8.5Z	55 23.137	-0.0008	12	-41 2 51.97	-0.030	12	0.85	23.178	63	00.3	50.48	57	00.3	K0	CZ	9083	P -40 4865
54		6.8T	55 23.229	-0.0042	14	-45 36 28.90	0.007	11	0.66	23.439	19	00.6	29.25	18	96.6	K0	GC	15063K	C -45 6546
55	9.4E	9.5Z	55 36.122	-0.0040	12	-45 40 11.90	0.009	12	0.73	36.312	45	02.1	11.92	45	02.1	F8	CZ	9086	P -45 5057
56	9.5E	9.4Z	55 37.649	-0.0057	12	-46 22 54.06	0.026	12	0.71	37.960	45	03.6	55.35	45	03.6		CZ	9088	P -45 5068
57	9.1E	9.0Z	55 37.867	0.0018	12	-45 2 45.08	-0.017	12	0.65	37.778	31	01.5	44.27	28	01.5	A0	CZ	9087	P -44 5235
58		7.5T	55 41.470	-0.0006	14	-41 46 16.69	-0.024	11	0.66	41.497	19	02.2	15.43	21	96.8	A2	GC	15069	C -41 6253
59	9.9E	9.0Z	56 3.363	-0.0027	12	-40 40 53.12	0.012	12	0.85	3.498	63	00.3	53.71	57	00.3		CZ	9090	C -40 4868
60		7.6T	56 7.882	-0.0022	13	-44 39 59.82	0.012	12	0.66	7.993	17	00.2	+ 0.41	15	99.0	K0	GC	15078	C -44 6966
61	8.7E	9.1H	56 15.793	-0.0002	12	-45 15 3.86	-0.005	12	0.71	15.800	45	03.2	3.64	45	03.2	A0	CZ	9092	P -44 5245
62	10.2E	9.1H	56 25.518	-0.0014	12	-43 41 31.15	0.006	12	0.64	25.586	28	01.2	31.43	26	01.2		CZ	9095	P -43 5052
63	7.7E	8.3Z	56 25.615	0.0008	12	-41 18 7.27	-0.016	12	0.66	25.575	28	99.3	6.46	26	99.3	A2	CZ	9093	P -40 4873
64	9.3E	10.0Z	56 28.552	-0.0019	12	-47 10 42.21	-0.016	12	0.66	26.640	36	03.6	41.45	36	03.6	A2	CZ	9098	P -46 4980
65	9.2E	8.5Z	56 28.161	-0.0036	12	-45 8 17.12	-0.016	12	0.71	27.991	45	03.2	16.39	45	03.2		CZ	9096	P -44 5251
66	11.9E	10.2H	56 29.726	-0.0027	12	-45 8 11.34	0.010	12	0.71	29.850	45	03.2	11.82	45	03.2		CZ	9097	P -44 5251
67	10.7E	9.7H	56 35.264	-0.0010	12	-47 36 12.58	-0.013	12	0.63	35.311	28	02.2	11.94	26	02.2		CZ	9101	P -47 4620
68	9.8E	9.1Z	56 35.776	-0.0015	12	-45 46 27.18	-0.005	12	0.67	35.848	36	02.5	26.93	36	02.5		CZ	9100	P -45 5060
69	9.2E	9.9Z	56 54.082	-0.0004	12	-42 23 34.05	-0.021	12	0.69	54.101	36	01.2	33.04	36	01.2	A0	CZ	9103	P -41 5042
70	10.5E	9.0Z	56 56.442	0.0088	12	-48 37 14.43	-0.075	12	0.64	56.014	28	01.3	10.80	26	01.3	G0	CZ	9105	P -48 3638
71	8.9E	8.3Z	56 57.726	0.0001	12	-42 16 54.29	-0.038	12	0.65	57.722	28	00.0	52.41	24	00.0	A3	CZ	9104	P -41 5044
72	9.5E	9.5Z	56 58.462	-0.0002	12	-46 31 00.00	-0.028	12	0.66	58.470	36	03.6	58.68	36	03.6	F8	CZ	9106	P -46 4990
73	8.6E	8.0H	57 6.527	0.0006	12	-42 51 49.76	-0.012	12	0.65	6.497	28	00.0	49.15	24	00.0	G5	CZ	9107	P -42 4991
74	9.7E	9.0Z	57 9.425	0.0018	12	-42 9 1.67	-0.013	12	0.68	9.337	36	00.7	1.04	36	00.7	K2	CZ	9108	P -41 5047
75		8.2T	57 9.673	-0.0020	15	-46 20 13.76	-0.002	13	0.73	9.971	22	02.3	13.64	21	98.7	K0	GC	15103	C -45 6575
76	8.4E	9.5Z	57 11.493	-0.0015	12	-47 12 37.08	-0.013	12	0.66	11.562	36	03.6	36.46	36	03.6	B9	CZ	9111	P -46 4994
77	9.3E	9.5Z	57 12.390	-0.0020	12	-45 12 31.90	-0.009	12	0.67	12.483	36	02.6	31.48	36	02.6		CZ	9110	P -44 5257
78		7.3T	57 17.216	0.0027	12	-43 14 0.25	-0.005	12	0.67	17.077	22	99.3	-59.96	19	95.9	K0	GC	15105	C -42 6640
79	8.6E	8.2Z	57 23.279	0.0033	12	-49 10 24.55	-0.060	12	0.68	23.122	36	01.9	21.66	36	01.9	F2	CZ	9113	P -48 3639
80	9.8E	9.0Z	57 32.975	0.0017	12	-44 30 13.27	0.000	12	0.67	32.897	36	02.6	13.29	36	02.6	K0	CZ	9114	P -44 5260
81	9.2E	8.8Z	57 34.446	-0.0019	12	-49 25 52.12	-0.015	12	0.73	34.440	45	01.3	51.39	45	01.3	K2	CZ	9116	P -49 3881
82	9.0E	9.0Z	57 38.347	-0.0029	12	-41 8 11.21	-0.030	12	0.85	38.204	63	00.3	9.71	57	00.3	F5	CZ	9115	P -40 4882
83	9.0E	9.1Z	57 38.635	-0.0013	12	-45 59 23.64	-0.005	12	0.67	38.696	36	02.5	23.39	36	02.5	K0	CZ	9117	P -45 5102
84	9.3E	9.4Z	57 40.367	-0.0009	12	-45 43 17.58	-0.003	12	0.67	40.428	36	02.5	17.42	36	02.5	A0	CZ	9118	P -45 5103
85		5.9T	57 42.768	-0.0058	12	-43 32 19.19	0.008	09	0.58	43.070	18	98.1	19.66	15	93.2	B9	GC	15117	C -43 6692
86	8.9	8.9W	57 48.008	-0.0047	13	-40 8 48.90	0.025	13	0.26	48.077	15	35.4	49.26	21	35.4	K5	CB	5129	C -39 6832
87		4.8H	57 51.272	0.0019	03	-41 57 28.45	-0.002	03	0.13	51.208	07	16.4	26.56	06	09.9	A2	F4	415	C -41 6276
88		7.7T	57 54.489	-0.0049	12	-43 7 15.70	-0.017	11	0.64	54.738	22	98.6	14.75	19	95.3	F0	GC	15120K	C+ -42 6647
89		7.6T	57 58.601	0.0014	12	-42 58 58.09	-0.026	12	0.66	58.525	18	97.6	56.66	17	97.4	F5	GC	15124	C -42 6650
90		7.2T	57 59.151	-0.0012	11	-44 38 30.52	0.008	11	0.48	59.200	15	09.6	30.87	15	09.2	K5	GC	15126	C -44 7000
91		7.8T	58 0.331	-0.0004	12	-46 19 57.54	-0.005	12	0.64	0.349	19	98.6	57.25	18	97.4	A0	GC	15127	C -45 6589
92	8.7E	8.5Z	58 5.262	-0.0006	12	-49 22 9.35	-0.017	12	0.66	5.293	31	00.6	8.50	28	00.6	A0	CZ	9133	P -48 3647
93	9.4E	9.0Z	58 6.440	0.0047	12	-45 5 22.40	-0.086	12	0.73	6.210	45	01.7	18.26	45	01.7		CZ	9132	P -44 5273
94	9.6E	9.5Z	58 7.032	0.0003	12	-41 49 12.62	-0.021	12	0.74	7.018	45	00.3	11.59	45	00.3		CZ	9131	P -41 5055
95	9.7E	8.9Z	58 9.324	-0.0018	12	-44 0 20.67	-0.014	12	0.73	9.409	45	01.7	20.02	45	01.7		CZ	9134	P -43 5068
96	9.7E	8.7Z	58 14.643	-0.0031	12	-43 54 40.47	-0.017	12	0.73	14.791	45	01.7	39.63	45	01.7	K0	CZ	9135	P -43 5069
97	8.7E	8.5Z	58 17.854	-0.0044	12	-49 4 6.70	-0.007	12	0.68	18.073	31	00.6	6.35	28	00.6	F2	CZ	9136D	P+ -48 3648
98	8.8E	9.0Z	58 20.038	-0.0001	12	-48 44 11.38	-0.011	12	0.73	20.043	45	01.3	10.87	45	01.3	A0	CZ	9138	P -48 3649
99		6.7T	58 33.204	-0.0208	12	-40 13 43.06	0.014	09	0.60	34.282	19	98.2	45.84	18	93.5	F8	GC	15139	C+ -39 6845
00	9.7	9.7W	58 33.573	-0.0044	13	-40 5 36.73	0.023	13	0.26	33.637	15	35.4	37.06	21	35.4	A	CB	5134	C -39 6843

222500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 10H DM NUMBER
1		7.7T	10 58 36.871	-0.0103	13	-48 45 0.82	-0.070	12	0.68	37.388	22	99.7	57.04	19	96.1	G5	GC	15140	C -48 6090
2	9.1E	8.8H	58 37.563	0.0028	12	-45 33 24.77	-0.043	12	0.65	37.424	31	01.2	22.65	28	01.2	G5	CZ	9143	P -45 5120
3	8.4E	8.5Z	59 25.582	0.0022	12	-44 21 21.91	-0.065	12	0.66	25.471	31	00.5	18.71	28	00.5	F5	CZ	9148	P -43 5077
4	9.1E	9.0Z	59 39.416	-0.0011	12	-43 26 53.79	-0.019	12	0.73	39.469	45	01.7	52.85	45	01.7	A0	CZ	9149	P -43 5082
5	9.4E	9.7H	59 44.596	0.0012	12	-40 21 6.26	-0.005	12	0.67	44.536	28	98.3	5.99	26	98.3	A5	CZ	9150	P -39 4847
6	8.9E	9.2Z	59 49.663	-0.0024	12	-42 46 43.94	-0.018	12	0.73	49.780	45	01.2	43.05	45	01.2	F0	CZ	9151	P -42 5017
7		7.8T	59 53.468	-0.0023	17	-42 13 44.61	-0.030	13	0.77	53.578	19	01.5	43.11	18	99.4	F0	GC	15167	C -41 6291
8		6.6T	59 54.751	0.0009	12	-40 50 39.93	-0.036	11	0.63	54.705	21	99.7	38.03	19	97.5	MB	GC	15168	C -40 6461
9		7.7T	59 57.821	-0.0006	16	-48 31 45.72	-0.008	12	0.72	57.850	17	01.3	45.30	15	98.0	A0	GC	15170	C -48 6110
10	9.2E	8.2Z	59 59.387	0.0002	12	-42 32 7.07	-0.035	12	0.73	59.378	45	01.2	5.38	45	01.2	K5	CZ	9155	P -42 5020
11	9.2E	8.5Z	11 0 5.507	-0.0018	12	-43 36 17.35	0.019	12	0.73	5.594	45	01.7	18.26	45	01.7	K0	CZ	9157	P -43 5087
12	8.8E	8.5Z	0 15.807	-0.0008	12	-40 38 19.20	-0.000	12	0.85	15.848	63	00.3	19.19	57	00.3	G5	CZ	9158	P -40 4912
13	9.8E	9.3*	0 18.960	-0.0016	12	-48 0 29.79	-0.005	12	0.65	19.035	31	01.9	29.57	28	01.9	A0	CZ	9160	P -47 4663
14	10.4E	9.5*	0 19.501	-0.0020	12	-47 1 39.23	-0.012	12	0.64	19.596	31	02.3	38.64	28	02.3	A5	CZ	9159	P -46 5041
15	9.0E	8.5Z	0 26.521	0.0070	12	-41 56 12.05	-0.066	12	0.74	26.174	45	00.3	8.79	45	00.3	G0	CZ	9161	P -41 5077
16	9.2E	8.8Z	0 28.987	-0.0050	12	-43 26 57.57	-0.028	12	0.73	29.226	45	01.7	56.21	45	01.7	F5	CZ	9164	P -43 5084
17	8.6E	8.5Z	0 33.820	-0.0006	12	-49 52 0.39	-0.004	12	0.73	33.849	45	01.3	0.19	45	01.3	F0	CZ	9168	P -49 3922
18	8.5E	8.6*	0 37.044	-0.0075	12	-42 33 11.64	-0.009	12	0.65	37.420	28	99.9	11.21	26	99.9	G0	CZ	9166	P -42 5029
19	9.4E	9.0*	0 37.064	-0.0033	12	-44 8 13.72	0.015	12	0.65	37.226	28	00.2	14.49	26	00.2	G5	CZ	9167	P -43 5097
20	11.0E	10.0*	0 38.058	-0.0023	12	-46 28 9.29	-0.004	12	0.64	38.168	31	02.3	9.08	28	02.3		CZ	9169	P -46 5048
21	8.4E	8.0Z	0 39.380	-0.0011	12	-45 10 32.71	-0.006	12	0.66	39.433	31	00.5	32.43	28	00.5	K0	CZ	9170	P -44 5310
22	9.1E	9.0Z	0 43.845	-0.0035	12	-43 15 44.77	-0.043	12	0.65	44.021	28	99.8	42.59	26	99.8	A5	CZ	9173	P -42 5030
23	9.7E	9.5Z	0 45.017	0.0005	12	-40 46 33.80	0.015	12	0.85	44.993	63	00.3	34.54	57	00.3	F	CZ	9171	P -40 4916
24	10.9E	10.2H	0 45.362	0.0012	12	-40 46 41.55	0.008	12	0.85	45.304	63	00.3	41.94	57	00.3	F	CZ	9172	P -40 4916
25	9.6E	9.4Z	0 54.671	-0.0017	12	-44 38 45.48	-0.010	12	0.73	54.755	45	01.7	45.01	45	01.7	A5	CZ	9174	P -44 5311
26	9.2E	9.7Z	1 1.897	0.0002	12	-40 16 47.12	0.019	12	0.85	1.889	63	00.3	48.06	57	00.3	A0	CZ	9175	P -39 4857
27	8.1E	9.0Z	1 6.028	-0.0018	12	-46 10 54.71	-0.010	12	0.64	6.115	28	01.2	54.21	26	01.2	A0	CZ	9177	P -45 5146
28	9.0E	9.0Z	1 11.589	0.0005	12	-42 45 13.27	-0.013	12	0.73	11.565	45	01.2	12.65	45	01.2	F2	CZ	9178	P -42 5032
29		8.0T	1 19.588	-0.0082	16	-40 50 9.51	0.032	16	0.85	19.980	18	02.1	11.09	17	00.4	G5	GC	15206	C -40 6477
30	9.9E	9.5*	1 32.080	-0.0006	12	-41 52 39.69	-0.033	12	0.66	32.112	28	99.1	38.04	26	99.1		CZ	9180	P -41 5087
31	9.9E	9.0Z	1 34.937	0.0002	12	-41 21 34.33	-0.013	12	0.74	34.929	45	00.3	33.68	45	00.3		CZ	9181	P -40 4927
32	10.0E	9.0Z	1 43.934	0.0001	12	-49 39 5.73	-0.015	12	0.73	43.929	45	01.3	4.99	45	01.3	K0	CZ	9185	P -49 3934
33		7.4T	1 47.787	-0.0037	10	-40 2 19.41	-0.021	10	0.57	47.980	17	97.8	18.21	18	93.4	F0	GC	15219	C -39 6682
34	9.7E	8.6H	1 55.488	0.0000	12	-45 28 15.47	-0.028	12	0.67	55.487	36	02.5	14.12	36	02.5	MB	CZ	9186	P -45 5157
35	9.3E	9.5Z	2 4.121	0.0011	12	-45 47 16.31	-0.099	12	0.67	4.069	36	02.5	11.58	36	02.5	F5	CZ	9189	P -45 5160
36		7.0T	2 5.225	-0.0008	10	-42 24 27.38	-0.007	08	0.41	5.258	15	07.7	27.07	15	04.1	K0	GC	15226	C -42 6706
37	10.4E	9.5Z	2 10.419	0.0026	12	-42 49 17.13	0.043	12	0.64	10.292	28	01.2	19.20	26	01.2		CZ	9190	P -42 5046
38		5.9T	2 15.889	-0.0113	09	-47 24 33.75	0.041	07	0.35	16.349	14	09.4	35.62	14	03.8	A5	GC	15230	C -47 6466
39	10.4E	9.8*	2 18.520	-0.0016	12	-43 55 7.46	-0.012	12	0.64	18.600	28	01.5	6.88	26	01.5		CZ	9192	P -43 5125
40	10.2E	9.0Z	2 24.406	-0.0038	12	-49 31 9.81	-0.008	12	0.72	24.585	45	02.3	9.44	45	02.3	K0	CZ	9195	P -49 3944
41	7.7E	8.0Z	2 26.531	-0.0043	12	-45 49 45.36	-0.022	12	0.64	26.742	28	01.4	44.31	26	01.4	A2	CZ	9194	P -45 5166
42	9.9E	9.4*	2 29.280	-0.0000	12	-44 43 49.91	-0.019	12	0.65	29.282	28	00.9	48.98	26	00.9		CZ	9198	P -44 5322
43	9.1E	8.5Z	2 29.599	-0.0020	12	-45 43 59.02	-0.014	12	0.67	29.692	36	02.5	58.36	36	02.5	K0	CZ	9199	P -45 5168
44	9.3E	9.5Z	2 29.793	0.0001	12	-41 22 23.31	-0.015	12	0.65	29.787	28	00.9	22.60	26	00.9	A3	CZ	9196	P -40 4937
45	8.8E	8.7Z	2 30.039	-0.0073	12	-48 50 4.50	0.011	12	0.72	30.386	45	02.3	5.05	45	02.3	F8	CZ	9200	P -48 3700
46		7.2T	2 42.709	-0.0016	13	-47 55 38.81	-0.017	12	0.68	42.790	19	99.6	37.94	18	97.5	A0	GC	15241	C -47 6473
47	9.8E	9.0Z	2 45.710	-0.0013	12	-49 2 20.75	-0.003	12	0.72	45.771	45	02.3	20.63	45	02.3	A5	CZ	9202	P -48 3705
48		6.4T	2 49.372	-0.0026	13	-49 7 20.36	0.001	12	0.67	49.500	19	00.6	20.40	18	97.6	A0	GC	15243	C -48 6157
49	9.1E	8.5Z	2 51.665	-0.0029	12	-49 5 55.03	0.002	12	0.72	51.803	45	02.3	55.14	45	02.3		CZ	9204	P -48 3712
50	9.0E	9.0Z	2 57.913	0.0006	12	-48 1 48.94	0.006	12	0.66	57.884	36	03.3	49.22	36	03.3	F2	CZ	9207	P -47 4707
51	7.7E	8.0Z	11 2 59.514	-0.0028	12	-43 16 21.52	0.008	12	0.81	59.640	63	05.2	21.90	57	05.2	F2	CZ	9205	P -42 5053
52	10.4E	9.0Z	3 4.276	-0.0012	12	-42 3 22.78	-0.013	12	0.64	4.333	28	01.0	22.14	26	01.0		CZ	9208	P -41 5098
53	9.6E	9.0Z	3 9.700	-0.0034	12	-48 55 9.23	-0.006	12	0.72	9.861	45	02.3	8.97	45	02.3	G5	CZ	9211	P -48 3717
54	8.3E	8.0Z	3 10.454	-0.0040	12	-49 20 41.10	-0.011	12	0.65	10.648	31	01.3	40.58	28	01.3	A3	CZ	9213	P -48 3718
55	8.4E	9.0Z	3 12.395	0.0003	12	-46 37 22.71	-0.022	12	0.65	12.380	31	01.3	21.64	28	01.3	A0	CZ	9212	P -46 5096
56	8.4E	8.0Z	3 17.186	-0.0002	12	-48 21 10.31	-0.009	12	0.72	17.195	45	02.3	9.88	45	02.3	A2	CZ	9215	P -47 4712
57	9.9E	9.4*	3 19.718	-0.0029	12	-40 37 0.34	-0.005	12	0.65	19.856	31	01.8	0.12	28	01.8		CZ	9214	P -40 4946
58	7.8E	7.6Z	3 21.902	-0.0052	12	-42 50 55.72	0.024	12	0.65	22.159	28	00.8	56.92	26	00.8	F2	CZ	9216	P -42 5057
59	8.7E	8.5Z	3 28.357	0.0003	12	-44 57 3.70	-0.011	12	0.66	28.340	31	00.5	3.16	28	00.5	F2	CZ	9218	P -44 5332
60		7.0T	3 29.447	-0.0037	08	-47 10 18.84	-0.010	07	0.37	29.619	15	03.9	18.38	14	00.8	A0	GC	15258	C -46 6734
61	9.6E	9.0Z	3 31.893	-0.0009	12	-42 47 14.20	-0.011	12	0.72	31.934	45	02.7	13.69	45	02.7		CZ	9219	P -42 5060
62	9.8E	9.4Z	3 32.872	-0.0033	12	-49 41 27.65	-0.010	12	0.72	33.032	45	02.3	27.19	45	02.3	A3	CZ	9222	P -49 3956
63		8.0T	3 32.932	-0.0018	14	-41 38 13.38	-0.013	11	0.68	33.020	18	00.6	12.68	19	95.1	A2	GC	15261	C -41 6327
64	8.8E	9.5Z	3 48.598	-0.0029	12	-45 52 57.66	-0.012	12	0.72	48.735	45	02.7	57.10	45	02.7	A0	CZ	9223	P -45 5195
65	9.9E	9.1Z	3 55.694	0.0010	12	-47 22 14.73	-0.042	12	0.72	55.646	45	02.3	12.74	45	02.3	G0	CZ	9225	P -46 5106
66	9.9E	8.5Z	3 55.750	0.0021	12	-47 24 46.56	-0.007	12	0.72	55.649	45	02.3	46.24	45	02.3	G5	CZ	9226	P -47 4722
67	9.6E	10.0Z	3 58.053	-0.0030	12	-46 33 42.33	-0.010	12	0.72	58.194	45	02.8	41.86	45	02.8	A0	CZ	9227	P -46 5107
68	9.8E	9.5Z	4 0.164	-0.0026	12	-49 13 31.63	0.009	12	0.72	0.287	45	02.3	32.08	45	02.3	A0	CZ	9229	P -48 3727
69		7.3T	4 1.030	0.0094	22	-44 6 6.26	-0.094	20	1.01	0.591	19	03.2	1.81	19	02.5	G5	GC	15270	C -43 6788
70	9.6E	9.6Z	4 8.630	-0.0027	12	-49 50 2.30	-0.014	12	0.72	8.761	45	02.3	1.64	45	02.3	F0	CZ	9232	P -49 3962
71	9.9E	9.0Z	4 23.895	0.0002	12	-40 42 47.72	-0.011	12	0.80	23.885	63	06.3	47.26	57	06.3		CZ	9234	P -40 4958
72	9.8E	8.5Z	4 26.546	-0.0006	12	-42 13 29.11	-0.004	12	0.71	26.573	45	03.3	28.91	45	03.3	K5	CZ	9235	P -41 5111
73	8.3E	8.3Z	4 27.229	-0.0001	12	-43 47 49.88	-0.083	12	0.71	27.235	45	03.2	46.00	45	03.2	G0	CZ	9236	P -43 5152
74		8.4T	4 31.664	-0.0011	15	-47 5 12.96	-0.012	13	0.73	31.718	22	02.4	12.32	21	98.5	K0	GC	15290	C -46 6753
75	9.5E	8.5Z	4 33.349	-0.0016	12	-41 55 58.10	0.003	12	0.71	33.422	45	03.3	58.24	45	03.3	K0	CZ	9237	P -41 5112
76	9.4E	9.1Z	4 38.798	-0.0013	12	-43 46 23.76	0.001	12	0.71	38.860	45	03.2	23.81	45	03.2	A3	CZ	9239	P -43 5153
77	10.0E	9.4Z	4 39.610	-0.0021	12	-42 14 52.42	-0.010	12	0.71	39.707	45	03.3	51.95	45	03.3		CZ	9240	P -41 5113
78	13.2E	10.6Z	4 52.314	-0.0027	12	-41 10 45.35	0.009	12	0.80	52.431	63	06.3	45.76	57	06.3	A2	CZ	9241	P -40 4964
79	7.8E	8.1Z	4 52.713	0.0001	12	-41 11 6.05	-0.006	12	0.80	52.709	63	06.3	5.77	57	06.3	A2	CZ	9242	P -40 4964
80	9.9E	8.9*	4 56.156	-0.0021	12	-46 1 27.39	-0.008	12	0.65	56.258	31	01.2	27.00	28	01.2	K0	CZ	9245	P -45 5215
81		5.3T	4 57.503	-0.0091	07	-42 22 6.39	0.039	05	0.32	57.888	12	07.6	8.32	12	00.8	A2P	GC	15300K	C#-41 6343
82	8.5E	8.5Z	5 6.685	-0.0060	12	-47 58 29.09	-0.003	12	0.72	6.970	45	02.3	28.94	45	02.3	A2	CZ	9246	P -47 4748
83		6.5T	5 17.696	-0.0024	10	-48 22 9.82	0.022	07	0.39	18.000	15	07.3	10.90	14	01.7	K0	GC	15309	C -47 6525
84	10.9E	10.3*	5 17.982	-0.0001	12	-47 25 52.70	0.002	12	0.65	17.987	31	01.0	52.81	28	01.0		CZ	9251	P -47 4750
85	8.7E	9.0Z	5 18.877	-0.0035	12	-45 34 24.16	-0.030	12	0.65	19.046	31	01.2	22.70	28	01.2	A2	CZ	9250	P -45 5220
86	8.9E	9.3Z	5 21.019	-0.0022	12	-49 40 41.51	-0.015	12	0.72	21.126	45	02.3	40.81	45	02.3	A0	CZ	9254	P -49 3972
87	10.0E	9.5Z	5 24.739	0.0012	12	-40 50 54.80	-0.064	12	0.80	24.685	63	06.3	52.03	57	06.3		CZ	9253	P -40 4969
88	9.1E	8.0Z	5 37.797	-0.0007	12	-40 39 55.87	-0.028	12	0.80	37.826	63	06.3	54.67	57	06.3	K2	CZ	9255	P -40 4972
89	9.2E	8.9*	5 38.268	-0.0084	12	-42 49 2.27	-0.017	12	0.65	38.678	28	00.9	1.45	26	00.9	G0	CZ	9256	P -42 5084
90		7.5T	5 43.444	-0.0101	20	-42 7 13.41	-0.001	18	0.94	43.930	18	01.8	13.37	15	00.5	K0	GC	15312	C -41 6351
91	9.0E	8.5Z	6 3.976	-0.0068	12	-49 7 3.07	0.031	12	0.72	4.300	45	02.3	4.56	45	02.3	K0	CZ	9260	P -48 3745
92	10.3E	9.5Z	6 18.682	-0.0013	12	-44 33 32.36	-0.020	12	0.66	18.749	31	00.5	31.37	28	00.5		CZ	9262	P -44 5358
93	9.6E	9.1*	6 21.803	-0.0030	12	-42 27 5.60	0.003	12	0.65	21.950	28	00.8	5.75	26	00.8	K0	CZ	9263	P -42 5094
94	8.7E	9.0Z	6 25.419	-0.0034	12	-49 23 27.34	-0.007	12	0.72	25.580	45	02.3	27.03	45	02.3	A2	CZ	9264	P -48 3749
95	10.2E	9.4*	6 36.304	-0.0046	12	-43 37 7.03	-0.008	12	0.64	36.527	28	01.2	6.65	28	01.2		CZ	9265	P -43 5175
96	10.2E	9.4*	6 39.579	-0.0019	12	-46 28 42.22	-0.015	12	0.63	39.671	28	02.1	41.50	26	02.1	A3	CZ	9266	P -46 5139
97	7.9E	8.4*	6 41.380	-0.0007	12	-48 7 53.74	0.009	12	0.63	41.415	26	01.3	54.19	24	01.3	B9	CZ	9267	P -47 4773
98	8.0E	8.5Z	7 9.424	-0.0013	12	-42 42 17.02	0.013	12	0.64	9.488	26	00.6	17.66	24	00.6	A0	CZ	9269	P -42 5100
99		8.3T	7 20.917	-0.0008	16	-48 21 30.00	-0.002	13	0.80	20.945	24	03.7	29.92	21	98.9	A2	GC	15346	C -47 6560
00	10.7E	9.9H	7 20.959	-0.0005	12	-40 19 29.46	-0.036	12	0.63	20.982	28	01.8	27.75	26	01.8		CZ	9271	P -39 4916

222600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 11H DM NUMBER
1		7.7T	11 7 24.074	-0.0058	12	-43 3 39.70	-0.016	11	0.63	24.362	18	99.9	38.83	21	96.6	A5	GC	15347	C -42 6774
2	9.4E	9.4Z	7 25.267	-0.0021	12	-48 53 50.94	-0.015	12	0.67	25.367	36	02.3	50.25	36	02.3	G0	CZ	9275	P -48 3766
3	10.5E	9.6H	7 25.434	-0.0008	12	-44 23 32.46	-0.017	12	0.65	25.480	28	00.9	31.63	26	00.9		CZ	9274	P -43 5187
4	10.1E	9.4Z	7 31.352	0.0002	12	-48 7 22.54	-0.017	12	0.67	31.342	36	02.3	21.73	36	02.3	A3	CZ	9276	P -47 4787
5	9.4E	9.0H	7 34.821	-0.0017	12	-48 54 23.50	-0.019	12	0.64	34.902	28	01.6	24.61	25	01.6	F8	CZ	9277	P -48 3770
6	9.4E	9.0Z	7 46.871	-0.0027	12	-49 45 33.79	-0.004	12	0.65	47.000	31	01.3	33.62	28	01.3	A5	CZ	9278	P -49 4011
7	9.4E	8.5Z	7 49.136	-0.0006	12	-42 16 12.61	-0.021	12	0.71	49.163	45	03.3	11.82	45	03.3	G5	CZ	9279	P -41 5155
8	10.2E	8.8H	7 53.273	0.0008	12	-41 47 10.70	-0.043	12	0.64	53.235	28	01.1	8.56	25	01.1		CZ	9280	P -41 5156
9	9.4E	9.0Z	7 53.568	-0.0009	12	-48 16 12.51	-0.019	12	0.67	53.610	36	02.3	11.61	36	02.3	A0	CZ	9282	P -47 4797
10		8.5T	7 54.841	-0.0033	18	-45 15 51.53	-0.027	15	0.61	54.991	24	04.6	50.19	22	01.4	K0	GC	15358	C -44 7116
11	10.0E	9.4H	7 54.961	-0.0025	12	-46 44 55.06	-0.004	12	0.63	55.080	28	02.1	54.87	28	02.1	A0	CZ	9283	P -46 5158
12	9.1E	9.0Z	8 9.796	0.0004	12	-41 21 48.45	-0.038	12	0.64	9.775	28	01.2	46.56	25	01.2	A0	CZ	9285	P -40 5001
13	10.4E	9.2Z	8 17.422	-0.0030	12	-49 0 6.88	-0.010	12	0.67	17.564	36	02.3	6.42	36	02.3	K0	CZ	9288	P -48 3780
14		7.7T	8 22.551	0.0004	15	-49 22 54.55	-0.022	10	0.67	22.531	19	01.4	53.37	18	96.8	B5	GC	15367	C -48 6840
15	9.2E	9.0H	8 23.716	-0.0017	12	-45 33 56.16	-0.025	12	0.71	23.794	45	03.2	54.85	45	03.2	A2	CZ	9287	P -45 5259
16	9.8E	9.5Z	8 24.493	-0.0017	12	-48 56 0.04	-0.011	12	0.72	24.573	45	02.3	59.54	45	02.3	A0	CZ	9289	P -48 3784
17	10.1E	9.0Z	8 28.782	-0.0056	12	-47 33 35.74	-0.002	12	0.72	29.048	45	02.3	35.66	45	02.3	G5	CZ	9290	P -47 4805
18	9.8E	9.0Z	8 29.907	-0.0004	12	-47 28 4.58	0.000	12	0.72	29.925	45	02.3	4.67	45	02.3	B8	CZ	9291	P -47 4806
19		7.1T	8 31.075	-0.0010	12	-45 16 46.20	-0.036	12	0.67	31.126	19	98.9	44.30	18	97.8	K0	GC	15369	C -44 7122
20	8.4E	8.5Z	8 44.401	-0.0157	12	-41 18 57.85	0.000	12	0.71	45.133	45	03.3	58.24	45	03.3	G0	CZ	9293	P -40 5003
21	8.4E	8.5Z	8 52.361	0.0003	12	-47 37 56.95	-0.015	12	0.72	52.346	45	02.3	56.24	45	02.3	G5	CZ	9295	P -47 4811
22	9.1E	9.0Z	8 52.793	-0.0002	12	-42 15 20.90	-0.011	12	0.71	52.802	45	03.3	20.36	45	03.3	F0	CZ	9294	P -41 5170
23	8.8E	8.8E	8 54.841	-0.0017	12	-47 19 39.28	-0.002	12	0.65	54.924	31	01.0	39.19	28	01.0	A0	CZ	9297	P -46 5172
24	11.0E	9.9H	8 55.524	-0.0082	12	-44 50 56.43	0.004	12	0.66	55.626	31	00.9	57.61	28	00.9		CZ	9296	P -44 5347
25	10.0E	9.5Z	8 55.957	-0.0056	12	-46 38 11.54	0.033	12	0.71	56.218	45	03.3	13.08	45	03.3	F8	CZ	9299	P -46 5173
26	10.0E	8.8Z	8 57.404	-0.0027	12	-49 53 18.07	-0.029	12	0.72	57.531	45	02.3	16.70	45	02.3	K0	CZ	9300	P -49 4029
27		7.4T	9 7.448	0.0004	12	-43 11 15.69	-0.008	12	0.65	7.425	18	99.1	15.24	17	96.9	A3	GC	15382	C -42 6796
28		8.0T	9 8.353	-0.0034	13	-49 53 51.12	-0.009	10	0.61	8.525	22	00.1	50.64	17	97.8	A3	GC	15383	C -49 5915
29	9.6E	8.3Z	9 10.163	-0.0006	12	-48 34 46.59	-0.013	12	0.72	10.190	45	02.3	45.97	45	02.3	MA	CZ	9303	P -48 3792
30	9.4E	9.5Z	9 12.841	-0.0042	12	-46 35 29.07	-0.011	12	0.71	13.037	45	03.3	28.56	45	03.3	A2	CZ	9306	P -46 5179
31		7.8T	9 14.123	0.0023	22	-41 23 33.49	-0.034	20	1.01	14.015	19	03.2	31.85	18	02.1	K2	GC	15386	C -40 6565
32	8.4E	8.4Z	9 17.434	-0.0004	12	-49 39 52.68	-0.002	12	0.72	17.451	45	02.3	52.81	45	02.3	F0	CZ	9307	P -49 4039
33	10.1E	9.2Z	9 22.745	-0.0035	12	-44 7 38.27	0.008	12	0.71	22.910	45	03.7	38.64	45	03.7		CZ	9308	P -43 5208
34	8.8E	8.8Z	9 41.028	0.0004	12	-43 24 18.14	-0.013	12	0.64	41.007	28	01.6	17.52	26	01.6	A5	CZ	9309	P -42 5143
35		6.5T	9 51.415	-0.0096	09	-45 59 41.24	0.002	08	0.39	51.652	15	07.2	41.36	14	04.3	A0	GC	15400	C -45 6771
36	9.1E	8.5Z	9 52.710	-0.0001	12	-47 51 31.72	-0.018	12	0.72	52.714	45	02.3	30.86	45	02.3	K0	CZ	9312	P -47 4824
37	9.3E	9.3Z	10 3.756	-0.0111	12	-41 2 2.56	-0.047	12	0.80	4.240	63	06.3	0.53	57	06.3		CZ	9314	P -40 5012
38	8.8E	8.5Z	10 3.961	-0.0001	12	-49 32 28.67	-0.009	12	0.72	3.964	45	02.3	28.26	45	02.3	B9	CZ	9315	P -49 4051
39		5.7H	10 15.981	-0.0099	04	-48 49 45.03	0.034	04	0.14	16.305	07	17.2	46.19	06	16.5	A2	FK	1291	C -48 6863
40		6.9T	10 16.797	-0.0077	12	-46 41 40.63	-0.005	11	0.64	17.187	18	99.5	40.39	18	97.1	F8	GC	15412	C -46 6840
41	9.2E	8.6Z	10 23.273	-0.0025	12	-41 54 41.28	-0.005	12	0.71	23.388	45	03.3	41.04	45	03.3	F0	CZ	9320	P -41 5184
42	10.5E	9.0Z	10 26.941	-0.0029	12	-42 28 24.98	0.011	12	0.65	27.084	28	00.7	25.51	26	00.7		CZ	9321	P -42 5153
43		6.3T	10 39.589	-0.0011	13	-49 27 50.56	-0.012	09	0.60	39.642	22	01.4	49.91	17	96.5	K0	GC	15420	C -49 5937
44	9.5E	9.5Z	10 40.170	0.0000	12	-46 34 35.29	-0.084	12	0.71	40.170	45	03.3	34.18	45	03.3	F0	CZ	9322	P -46 5199
45	6.8E	7.1Z	10 46.112	0.0027	12	-48 46 59.31	0.006	12	0.71	45.987	45	03.3	59.57	45	03.3	F8	CZ	93250	P -48 5201
46	9.8E	9.1Z	10 52.736	-0.0019	12	-44 50 52.17	-0.006	12	0.72	52.824	45	02.2	51.69	45	02.2	A0	CZ	9326	P -44 5405
47		5.8T	10 54.464	-0.0002	08	-44 5 59.42	-0.003	08	0.35	54.472	14	10.4	59.31	14	07.2	K5	GC	15426	C -43 6872
48	9.9E	9.5Z	10 59.125	-0.0027	12	-40 59 22.72	-0.003	12	0.80	59.242	63	06.3	22.60	57	06.3		CZ	9328	P -40 5086
49		7.1T	11 0.368	-0.0025	12	-49 51 1.48	-0.012	09	0.60	0.497	22	99.3	0.79	19	94.2	A2	GC	15427	C -49 5943
50	8.2E	8.5Z	11 10.648	-0.0051	12	-41 23 7.66	0.011	12	0.71	10.885	45	03.3	8.19	45	03.3	F0	CZ	9330	P -40 5089
51		7.9T	11 16.553	0.0028	18	-47 33 2.62	-0.050	14	0.81	16.421	17	02.7	0.12	19	99.6	F2	GC	15432	C -47 6622
52	9.8E	9.0Z	11 29.087	-0.0020	12	-40 58 17.89	-0.026	12	0.80	29.173	63	06.3	16.77	57	06.3		CZ	9332	P -40 5033
53	9.3E	9.0H	11 29.802	0.0001	12	-41 59 2.66	0.005	12	0.64	29.796	28	01.2	2.90	26	01.2	G0	CZ	9333	P -41 5201
54	9.9E	8.5Z	11 35.454	-0.0014	12	-49 43 44.41	-0.013	12	0.72	35.518	45	02.3	43.81	45	02.3	A0	CZ	9337	P -49 4073
55	9.0E	9.0Z	11 37.262	-0.0009	12	-44 17 40.11	0.006	12	0.72	37.302	45	02.2	40.40	45	02.2	A3	CZ	9335	P -43 5844
56	9.4E	9.0Z	11 38.296	-0.0016	12	-42 42 55.66	0.008	12	0.72	38.370	45	02.8	56.03	45	02.8	A2	CZ	9336	P -42 5162
57		7.5T	11 42.841	-0.0024	18	-43 25 1.53	0.002	18	0.86	42.947	24	05.1	1.60	24	04.8	K0	GC	15444	C -43 6881
58	9.3E	8.5Z	11 46.034	-0.0044	12	-41 24 55.96	-0.033	12	0.71	46.238	45	03.3	54.44	45	03.3	K0	CZ	9339	P -41 5206
59		7.2T	11 47.132	-0.0006	15	-48 19 41.06	0.008	11	0.68	47.162	19	01.4	41.51	18	97.3	K2	GC	15447	C -47 6632
60	9.2E	9.0Z	11 56.110	-0.0005	12	-41 21 43.99	-0.026	12	0.71	56.123	45	03.3	42.80	45	03.3	A2	CZ	9342	P -40 5040
61	10.1E	9.4H	12 0.520	-0.0010	12	-45 54 8.12	0.002	12	0.61	0.566	28	03.5	8.22	26	03.5	A5	CZ	9343	P -45 5309
62	9.1E	8.0H	12 2.747	-0.0044	12	-41 43 37.03	-0.021	12	0.64	2.962	28	00.8	36.01	24	00.8	K0	CZ	9344	P -41 5215
63		7.5T	12 11.169	-0.0022	13	-42 34 47.57	-0.006	12	0.68	11.279	15	99.2	47.23	17	96.9	F0	GC	15456	C -42 6834
64	9.3E	9.0Z	12 11.834	-0.0042	12	-40 37 19.42	-0.012	12	0.64	12.037	28	01.3	18.86	26	01.3	F0	CZ	9345	P -40 5042
65	9.3E	9.1H	12 23.638	-0.0004	12	-41 54 46.67	-0.015	12	0.63	23.657	28	01.1	45.94	24	01.1	A2	CZ	9347	P -41 5220
66	8.4E	8.5H	12 27.643	0.0002	12	-45 1 52.57	-0.019	12	0.62	27.836	28	03.0	51.67	26	03.0	A0	CZ	9348	P -44 5428
67	9.6E	9.2H	12 27.983	-0.0009	12	-49 37 37.33	-0.019	12	0.65	28.029	31	01.3	36.43	28	01.3	A2	CZ	9351	P -49 4090
68	9.3E	8.4Z	12 29.915	-0.0003	12	-43 55 24.43	-0.009	12	0.67	29.930	36	02.6	24.00	36	02.6	K2	CZ	9349	P -43 5266
69	9.1E	8.5Z	12 30.551	-0.0049	12	-43 32 21.72	-0.062	12	0.67	30.782	36	02.6	18.80	36	02.6	G0	CZ	9350	P -43 5267
70	8.8E	8.4Z	12 30.786	0.0025	12	-48 53 33.08	-0.045	12	0.72	30.666	45	02.3	30.96	45	02.3	F2	CZ	9353	P -48 3830
71		6.4T	12 33.180	-0.0027	13	-43 27 40.31	-0.020	13	0.70	33.295	18	99.0	39.25	18	98.2	K5	GC	15461	C -43 6899
72	9.5E	9.6Z	12 40.205	-0.0006	12	-43 37 47.14	-0.015	12	0.67	40.232	36	02.6	46.44	36	02.6	F0	CZ	9354	P -43 5271
73	10.7E	9.0Z	12 46.114	-0.0003	12	-43 58 32.05	-0.008	12	0.64	46.130	28	01.3	31.66	26	01.3		CZ	9356	P -43 5272
74	9.5E	9.5Z	13 0.400	0.0010	12	-45 39 12.94	-0.007	12	0.85	0.356	36	05.3	12.63	36	05.3	G0	CZ	9358	P -45 5320
75	8.0E	7.7Z	13 6.326	-0.0021	12	-41 14 14.06	-0.002	12	0.85	6.429	63	00.3	13.98	57	00.3	A0	CZ	9360	P -40 5054
76		7.3T	13 6.973	-0.0015	10	-40 47 3.90	0.001	07	0.39	7.035	14	08.3	3.94	14	04.8	K2	GC	15479	C -40 6606
77	7.9E	8.0Z	13 8.809	-0.0081	12	-44 7 20.98	0.009	12	0.73	9.156	45	01.3	21.41	45	01.3	A0	CZ	9362	P -43 5279
78		7.5T	13 9.845	-0.0185	10	-42 20 29.81	0.079	08	0.41	10.619	15	08.1	33.33	15	05.6	F5	GC	15481	C -41 6438
79	8.4E	8.5Z	13 17.046	-0.0136	12	-47 59 9.55	0.019	12	0.72	17.693	45	02.3	10.46	45	02.3	G5	CZ	9364	P -47 4880
80	9.1E	9.1H	13 29.702	-0.0011	12	-44 22 41.40	-0.004	12	0.63	29.751	31	03.3	41.21	28	03.3	A2	CZ	9366	P -43 5284
81	9.7E	9.0Z	13 32.309	-0.0013	12	-41 29 58.30	0.005	12	0.66	32.375	28	99.2	58.58	26	99.2	K0	CZ	9367	P -41 5236
82		6.9T	13 34.451	-0.0084	12	-47 38 51.01	0.002	12	0.65	34.572	17	99.7	51.14	18	96.4	A0	GC	15497K	C -47 6864
83		7.4T	13 40.470	-0.0008	12	-47 1 56.42	-0.049	11	0.65	40.513	18	97.6	53.75	17	95.0	K0	GC	15499	C -46 6897
84		7.2T	13 45.109	-0.0029	09	-40 44 54.65	-0.016	07	0.36	45.227	12	09.0	53.86	14	06.8	A0	GC	15502	C -40 6609
85	9.3E	9.0Z	13 45.257	-0.0014	12	-47 38 8.87	-0.003	12	0.72	45.358	45	02.3	8.74	45	02.3	A2	CZ	9372	P -47 4892
86	9.6E	9.1H	13 58.531	-0.0011	12	-40 33 40.49	-0.031	12	0.85	58.584	63	00.3	38.97	57	00.3		CZ	9374	P -40 5060
87		7.1T	14 7.930	-0.0134	11	-45 36 27.79	0.063	08	0.55	8.643	19	97.0	31.47	17	91.1	F2	GC	15512K	C -45 6837
88	10.3E	9.0Z	14 13.678	-0.0038	12	-43 8 45.75	0.006	12	0.66	13.870	28	99.1	46.06	26	99.1	K2	CZ	9376	P -42 5187
89	9.8E	8.8Z	14 26.555	-0.0013	12	-49 11 1.66	-0.004	12	0.71	26.614	45	03.3	1.50	45	03.3	K0	CZ	9377	P -48 3857
90		8.2T	14 37.984	0.0035	22	-46 8 28.51	-0.110	22	1.04	37.803	21	04.6	23.50	21	04.6	A2	GC	15519	C -45 6843
91	9.3E	9.0Z	14 38.414	-0.0033	12	-44 0 35.98	-0.005	12	0.73	38.577	45	01.3	35.74	45	01.3	A3	CZ	9380	P -43 5308
92	9.2E	8.5Z	14 38.581	-0.0031	12	-44 15 31.07	-0.053	12	0.68	38.715	45	06.9	28.79	45	06.9	G5	CZ	9383	P -43 5347
93		8.2T	14 48.122	-0.0091	22	-43 32 45.09	-0.020	22	1.07	48.545	19	03.6	44.17	19	03.0	A2	GC	15522	C -43 6936
94		7.1T	14 48.552	-0.0108	13	-41 7 3.03	-0.019	13	0.71	49.053	21	02.7	3.98	19	99.5	A2	GC	15524	C -40 6618
95		6.9T	14 52.199	-0.0055	13	-41 39 38.58	-0.003	12	0.68	52.467	22	01.0	38.44	19	96.6	A0	GC	15525	C -41 6450
96	9.7E	8.5Z	14 53.431	-0.0046	12	-49 22 9.47	0.019	12	0.65	53.651	31	02.0	10.40	28	02.0	F8	CZ	9388	P -48 3862
97	9.8E	8.5Z	15 2.205	-0.0057	12	-43 36 41.16	-0.002	12	0.73	2.481	45	01.3	41.07	45	01.3	G5	CZ	9389	P -43 5314
98	10.1E	9.5Z	15 7.791	-0.0018	12	-48 27 49.39	-0.026	12	0.65	7.879	31	01.6	48.14	28	01.6	F8	CZ	9392	P -46 5255
99	9.8E	9.3Z	15 10.020	-0.0013	12	-40 44 10.49	-0.036	12	0.85	10.083	63	00.3	8.72	57	00.3		CZ	9391	P -40 5073
00	9.5E	8.5Z	15 12.421	-0.0025	12	-44 10 18.99	0.009	12	0.66	12.549	28	99.7	19.44	26	99.7	K0	CZ	9393	P -43 5320

222700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	L	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8E	9.5Z	11 15 22.459	-0.0045	12	-41 48 13.66	-0.007	12	0.74	22.681	45	00.3	13.30	45	00.3			CZ	9395	P -41 5264
2	8.4E	7.2M	15 30.438	-0.0023	12	-45 13 55.00	-0.013	12	0.63	30.547	31	03.3	54.38	28	03.3	G5		CZ	9396	P -44 5458
3	9.7E	8.7H	15 32.305	-0.0047	12	-45 18 0.98	-0.005	12	0.68	32.509	45	06.9	0.77	45	06.9	K5		CZ	9398	P -44 5459
4	8.7E	8.7H	15 33.016	-0.0064	12	-40 17 48.86	-0.053	12	0.67	33.343	28	98.8	46.16	26	98.8	K0		CZ	9397	P -39 5002
5		8.4T	15 37.309	-0.0020	13	-45 49 29.30	-0.010	12	0.69	37.411	19	00.0	28.76	18	97.8	A3		GC	15541	C -45 6855
6	9.3E	8.5Z	15 40.529	-0.0009	12	-49 17 41.67	0.006	12	0.71	40.570	45	03.3	41.97	45	03.3	F2		CZ	9401	P -48 3869
7		7.8T	16 0.242	-0.0050	15	-48 30 50.86	0.005	10	0.68	0.486	19	01.1	51.12	18	96.4	B9		GC	15549	C -48 6354
8	9.0E	9.3Z	16 15.519	-0.0013	12	-47 9 48.93	-0.024	12	0.71	15.579	45	03.3	47.81	45	03.3	A0		CZ	9405	P -46 5268
9	9.8E	9.1*	16 41.926	-0.0026	12	-49 4 51.92	-0.004	12	0.63	42.049	28	02.3	51.75	26	02.3	G0		CZ	9407	P -48 3879
10		7.2T	16 47.151	0.0029	13	-40 13 34.85	-0.002	09	0.62	47.007	21	00.5	34.73	18	94.8	A5		GC	15564	C*-39 7034
11	8.6E	8.5Z	16 50.384	-0.0020	12	-47 54 29.15	-0.017	12	0.67	50.419	36	02.7	28.35	36	02.7	G0		CZ	9408	P -47 4935
12	8.6	8.3W	16 52.832	-0.0127	13	-40 0 26.66	-0.116	13	0.26	53.017	15	35.4	24.96	21	35.4	G5		CB	5293	C -39 7035
13	9.7E	9.0Z	16 54.351	0.0017	12	-48 36 12.55	-0.104	12	0.66	54.270	36	03.3	7.69	36	03.3	K0		CZ	9410	P -48 3881
14	8.5E	9.0Z	16 54.614	-0.0030	12	-47 13 15.26	-0.013	12	0.66	54.752	36	03.9	14.66	36	03.9	A0		CZ	9409	P -46 5281
15	8.8E	9.0*	16 58.995	-0.0060	12	-41 42 23.38	0.019	12	0.66	59.299	28	99.2	24.37	26	99.2	F0		CZ	9411	P -41 5288
16	9.5E	8.0Z	16 59.542	0.0000	12	-44 49 10.14	-0.007	12	0.64	59.540	36	05.3	9.84	36	05.3	M8		CZ	9412	P -44 5478
17	8.5E	8.5Z	17 5.362	0.0002	12	-41 14 4.37	0.013	12	0.66	5.350	26	98.7	5.05	24	98.7	F0		CZ	9413	P -40 5090
18	8.3E	8.0Z	17 11.613	0.0008	12	-47 7 22.30	0.000	12	0.63	11.574	28	02.5	22.30	26	02.5	K0		CZ	9414	P -46 5286
19	8.9E	8.5Z	17 18.515	0.0045	12	-42 52 52.84	-0.009	12	0.66	18.267	28	99.6	52.40	26	99.6	G0		CZ	9415	P -42 5231
20	10.1E	9.5*	17 20.908	-0.0023	12	-47 29 5.47	-0.009	12	0.64	21.019	28	01.6	5.04	26	01.6	A3		CZ	9416	P -47 4945
21	9.1E	8.5Z	17 30.042	-0.0072	12	-48 7 22.54	0.014	12	0.67	30.383	36	02.7	23.20	36	02.7	K0		CZ	9418	P -47 4949
22	8.5E	8.5Z	17 31.732	-0.0021	12	-48 5 53.67	-0.005	12	0.64	31.633	28	01.6	53.43	26	01.6	B9		CZ	9419	P -47 4950
23	8.8E	9.0Z	17 40.850	-0.0011	12	-41 56 12.33	-0.047	12	0.66	40.904	28	99.6	9.95	26	99.6	F0		CZ	9421	P -41 5295
24	10.4E	9.3*	17 48.801	-0.0049	12	-42 23 33.55	-0.033	12	0.66	49.048	28	99.3	31.87	26	99.3			CZ	9424	P -41 5296
25	9.5E	9.1Z	17 51.334	-0.0010	12	-49 15 18.60	-0.024	12	0.66	51.380	36	03.3	17.50	36	03.3	G5		CZ	9426	P -48 3891
26	10.1	9.9W	17 56.314	-0.0043	13	-40 8 37.32	-0.045	13	0.26	56.377	15	35.4	36.66	21	35.4	F2	L	CB	5304	C -39 7045
27	9.2E	9.5Z	18 6.264	0.0014	12	-46 52 21.83	-0.015	12	0.66	6.200	36	03.9	21.15	36	03.9	F0		CZ	9428	P -46 5296
28	8.9E	8.9*	18 7.790	-0.0025	12	-48 48 1.49	-0.008	12	0.63	7.908	28	02.3	1.13	26	02.3	B9		CZ	9431	P -48 3893
29	9.0E	9.5Z	18 7.852	-0.0017	12	-40 41 2.12	-0.012	12	0.68	7.938	31	98.7	1.53	28	98.7	A0		CZ	9427	P -40 5101
30		6.9T	18 8.226	0.0027	11	-45 27 16.40	-0.032	08	0.42	8.116	15	09.0	15.00	15	05.5	F0		GC	15593	C -45 6891
31	9.2E	8.5Z	18 8.520	-0.0040	12	-47 5 5.03	0.014	12	0.66	8.704	36	03.9	5.68	36	03.9	K0		CZ	9430	P -46 5297
32	9.6E	9.1*	18 23.412	-0.0025	12	-45 7 34.45	-0.012	12	0.62	23.528	31	04.0	33.89	28	04.0	A0		CZ	9432	P -44 5500
33	9.9E	9.3Z	18 38.487	-0.0032	12	-47 42 15.51	-0.024	12	0.72	38.638	45	02.8	14.39	45	02.8	F8		CZ	9434	P -47 4962
34	9.2E	8.6Z	18 43.210	-0.0013	12	-42 37 12.05	-0.011	12	0.74	43.273	45	00.3	11.50	45	00.3	A0		CZ	9435	P -42 5243
35		7.4T	18 44.812	0.0001	14	-45 36 43.32	-0.005	10	0.65	44.809	21	00.7	43.09	17	98.4	K0		GC	15603	C -45 6902
36	8.5E	8.5Z	19 4.937	-0.0026	12	-49 1 46.88	-0.024	12	0.71	5.056	45	03.8	45.79	45	03.8	K0		CZ	9439	P -48 3907
37	9.5E	8.5Z	19 6.991	-0.0014	12	-49 56 36.89	-0.010	12	0.71	7.059	45	03.3	36.43	45	03.3	K2		CZ	9440	P -49 4182
38		7.2T	19 14.962	-0.0040	12	-43 17 0.09	-0.024	11	0.64	15.170	17	97.4	-58.76	15	95.7	K0		GC	15610K	C -42 6920
39	11.5E	10.1Z	19 15.040	-0.0053	12	-43 17 13.07	-0.019	12	0.72	15.291	45	02.3	12.17	45	02.3	K0		CZ	9443	P -42 5246
40	8.5E	9.9Z	19 17.913	0.0001	12	-49 32 4.86	-0.024	12	0.71	17.906	45	03.3	3.77	45	03.3	A0		CZ	9444	P -49 4187
41		7.6T	19 19.970	-0.0027	13	-48 29 53.78	-0.018	12	0.68	20.106	19	99.9	52.87	18	98.0	A2		GC	15612	C -48 6401
42	9.5E	9.2Z	19 20.589	-0.0015	12	-49 25 23.39	0.002	12	0.71	20.658	45	03.3	23.50	45	03.3	F5		CZ	9446	P -49 4188
43	8.6E	8.0*	19 24.150	-0.0010	12	-48 13 16.38	-0.007	12	0.65	24.198	31	01.2	16.04	28	01.2	K0		CZ	9447	P -47 4975
44	9.0E	8.9Z	19 24.343	-0.0015	12	-49 37 40.19	-0.014	12	0.71	24.415	45	03.3	39.55	45	03.3	G5		CZ	9448	P -49 4189
45	7.7E	8.5Z	19 27.930	-0.0016	12	-48 40 15.75	-0.004	12	0.71	28.004	45	03.8	15.58	45	03.8	B8		CZ	9449	P -48 3912
46	11.4E	9.5Z	19 30.768	-0.0027	12	-44 9 36.85	-0.005	12	0.65	30.903	28	00.7	36.61	26	00.7			CZ	9450	P -43 5364
47	9.4E	9.0Z	19 42.219	-0.0049	12	-49 51 40.96	-0.008	12	0.71	42.450	45	03.3	40.60	45	03.3	G0		CZ	9451	P -49 4190
48	9.3E	8.5Z	19 53.148	0.0004	12	-49 52 1.50	-0.008	12	0.71	53.127	45	03.3	1.14	45	03.3	G5		CZ	9452	P -49 4192
49	9.9E	9.7Z	19 54.321	-0.0106	12	-48 40 14.12	-0.015	12	0.71	54.809	45	03.8	13.43	45	03.8	G5		CZ	9453	P -48 3919
50	8.3E	8.3*	19 56.013	0.0001	12	-49 38 57.46	-0.017	12	0.65	56.011	31	02.0	56.67	28	02.0	F0		CZ	9455	P -49 4193
51		6.3T	11 20 0.635	-0.0049	09	-44 22 15.61	-0.037	07	0.38	0.852	15	05.9	13.82	14	01.2	G5		GC	15624	C -43 7006
52	9.0E	8.9*	20 3.390	-0.0033	12	-49 10 21.08	0.014	12	0.64	3.546	31	02.3	21.76	28	02.3	F5		CZ	9459	P -48 3920
53	9.1E	9.5Z	20 3.776	-0.0011	12	-46 24 27.14	-0.007	12	0.65	3.829	31	01.9	26.81	28	01.9	A0		CZ	9457	P -45 5420
54	9.3E	9.0Z	20 5.780	-0.0016	12	-42 41 8.50	0.018	12	0.74	5.859	45	00.3	9.39	45	00.3	F8		CZ	9458D	P*-42 5254
55	9.7E	9.5Z	20 5.830	-0.0012	12	-49 20 54.66	-0.017	12	0.71	5.885	45	03.3	53.89	45	03.3	F5		CZ	9460	P -48 3922
56	9.5E	9.6Z	20 6.466	0.0003	12	-49 31 38.53	-0.059	12	0.71	6.449	45	03.3	35.80	45	03.3	F8		CZ	9461	P -49 4194
57	9.8E	9.0Z	20 14.773	-0.0035	12	-48 30 5.39	-0.015	12	0.71	14.937	45	03.8	4.69	45	03.8	K0		CZ	9463	P -48 3924
58	9.1E	8.0Z	20 20.880	-0.0014	12	-42 40 25.24	-0.005	12	0.66	20.950	28	99.2	24.99	26	99.2	K5		CZ	9464	P -42 5260
59	9.4E	8.0Z	20 34.451	-0.0010	12	-43 44 48.26	-0.018	12	0.72	34.497	45	02.3	47.41	45	02.3	K2		CZ	9465	P -43 5384
60	9.4E	8.6Z	20 45.153	-0.0036	12	-44 6 29.53	0.005	12	0.72	45.327	45	02.3	29.76	45	02.3	K2		CZ	9467	P -43 5387
61	9.8E	9.5Z	20 50.545	-0.0029	12	-47 9 22.89	-0.002	12	0.71	50.679	45	03.7	22.81	45	03.7	A3		CZ	9468	P -46 5322
62	10.2E	9.1*	21 12.475	-0.0091	12	-46 10 37.37	0.024	12	0.62	12.890	31	04.3	38.48	28	04.3			CZ	9470	P -45 5442
63	9.8E	9.0Z	21 15.186	-0.0017	12	-45 13 0.47	-0.001	12	0.68	15.260	45	06.9	0.41	45	06.9	G0		CZ	9471	P -44 5529
64	8.5E	8.5Z	21 19.086	-0.0022	12	-49 47 13.97	-0.001	12	0.71	19.190	45	03.7	13.94	45	03.7	K0		CZ	9474	P -49 4209
65	10.8E	9.5Z	21 19.451	-0.0051	12	-42 10 42.73	0.010	12	0.66	19.709	28	99.1	43.23	26	99.1			CZ	9473	P -41 5334
66	9.4E	9.2Z	21 19.948	-0.0027	12	-49 34 00.00	-0.004	12	0.71	20.070	45	03.7	59.84	45	03.7	G5		CZ	9475	P -49 4210
67	10.6E	9.0Z	21 25.476	-0.0007	12	-41 19 30.93	0.005	12	0.66	25.510	28	99.2	31.20	26	99.2			CZ	9476	P -40 5139
68	8.7E	8.5Z	21 30.330	-0.0028	12	-41 39 55.86	-0.022	12	0.66	30.471	28	99.2	54.76	26	99.2	A2		CZ	9478	P -41 5338
69	10.4E	9.5*	21 38.021	-0.0008	12	-41 1 4.71	-0.019	12	0.68	38.061	31	98.8	3.76	28	98.8			CZ	9479	P -40 5142
70	9.9E	9.5Z	21 45.747	-0.0043	12	-49 13 36.93	-0.015	12	0.71	45.945	45	03.8	36.26	45	03.8	F8		CZ	9480	P -48 3942
71	10.0E	9.4Z	21 51.473	-0.0032	12	-47 41 58.56	-0.144	12	0.64	51.627	28	01.5	51.59	26	01.5	G5		CZ	9482D	P*-47 5008
72	10.1E	9.0Z	21 56.229	-0.0051	12	-43 59 14.44	0.029	12	0.64	56.481	28	01.0	15.87	26	01.0	G5		CZ	9483	P -43 5406
73		6.4H	21 58.134	-0.0011	04	-42 23 39.42	-0.005	04	0.14	58.172	07	16.2	39.27	06	18.4	B3		F4	1294	C -41 6529
74	8.9E	9.0Z	22 3.459	-0.0063	12	-47 13 53.31	0.015	12	0.63	3.761	28	02.0	54.04	26	02.0	G0		CZ	9486	P -46 5341
75	9.2E	9.0Z	22 13.025	-0.0000	12	-45 10 10.84	-0.033	12	0.63	13.026	28	02.6	9.26	26	02.6	F8		CZ	9487	P -44 5538
76	9.5E	8.5Z	22 18.023	-0.0034	12	-43 52 40.43	0.000	12	0.64	18.192	26	00.9	40.43	24	00.9	K0		CZ	9488	P -43 5410
77	9.4E	9.0Z	22 35.800	-0.0028	12	-48 45 51.35	-0.028	12	0.71	35.926	45	03.8	50.06	45	03.8	K0		CZ	9490	P -48 3954
78	9.6	8.5W	22 44.707	-0.0041	10	-40 10 14.33	-0.032	10	0.29	44.767	28	35.4	13.86	22	35.4	K0		CB	5342	C -39 7094
79	10.0E	9.5*	22 47.280	-0.0004	12	-42 3 27.85	-0.018	12	0.67	47.299	28	98.6	26.91	26	98.6	A0		CZ	9491	P -41 5347
80	9.9E	9.5Z	22 58.297	-0.0032	12	-49 32 57.26	-0.044	12	0.71	58.447	45	03.7	55.25	45	03.7			CZ	9494	P -49 4236
81	8.7E	9.0Z	22 59.368	-0.0035	12	-46 1 46.02	-0.016	12	0.65	59.528	36	04.3	45.29	36	04.3	F0		CZ	9493	P -45 5461
82	9.7E	9.5Z	23 0.457	-0.0008	12	-45 43 15.78	-0.027	12	0.62	0.492	28	02.8	14.51	26	02.8	A2		CZ	9495	P -45 5465
83		7.9T	23 1.979	-0.0010	11	-43 10 20.58	-0.027	12	0.62	2.026	15	98.7	19.12	17	96.9	F0		GC	15678	C -42 6972
84	8.1E	8.5Z	23 6.987	-0.0036	12	-41 7 22.42	-0.017	12	0.68	7.174	28	97.7	21.55	26	97.7	F0		CZ	9498	P -40 5162
85		7.8T	23 6.994	-0.0013	09	-42 23 49.01	0.003	07	0.39	7.048	15	07.5	49.16	14	03.5	K0		GC	15683	C -41 6540
86	10.6E	9.3*	23 11.715	-0.0024	12	-49 20 11.00	0.002	12	0.64	11.828	31	02.2	11.12	28	02.2			CZ	9501	P -48 3964
87	10.4E	9.5*	23 16.467	-0.0013	12	-48 2 30.11	-0.001	12	0.65	16.530	31	01.3	30.06	28	01.3	F8		CZ	9502	P -47 5016
88	8.6E	8.7Z	23 17.582	0.0007	12	-47 12 36.39	0.005	12	0.71	17.550	45	03.7	36.62	45	03.7	G5		CZ	9503D	P*-46 5361
89		7.1T	23 18.880	-0.0040	13	-45 36 18.17	-0.015	09	0.82	19.073	22	01.0	17.30	21	94.1	K0		GC	15689	C*-45 6984
90	9.1E	8.5Z	23 32.818	0.0019	12	-44 37 42.28	-0.035	12	0.66	32.725	31	00.3	40.53	28	00.3	F0		CZ	9506	P -44 5549
91	9.8E	8.5Z	23 36.553	-0.0037	12	-48 45 11.87	-0.006	12	0.71	36.722	45	03.8	11.59	45	03.8	K5		CZ	9508	P -48 3971
92	9.8E	9.2Z	23 37.687	-0.0024	12	-43 32 9.71	-0.164	12	0.71	37.798	45	03.3	2.06	45	03.3	G5		CZ	9507	P -43 5426
93	9.5E	9.5Z	23 40.100	0.0000	12	-40 49 41.02	-0.027	12	0.86	40.099	63	98.3	39.64	57	98.3	A0		CZ	9509	P -40 5167
94	10.5E	9.5*	23 41.177	0.0052	12	-46 8 7.91	-0.073	12	0.66	40.920	31	00.6	4.30	28	00.6			CZ	9510	P -45 5470
95	10.2E	9.3*	23 45.458	-0.0034	12	-41 18 38.27	-0.021	12	0.67	45.632	28	98.6	37.21	26	98.6			CZ	9511	P -40 5168
96	9.1E	9.0Z	23 53.847	0.0000	12	-42 48 56.02	-0.037	12	0.66	53.845	28	99.7	54.17	26	99.7	G0		CZ	9512	P -42 5321
97	8.5E	8.5Z	23 56.968	-0.0017	12	-49 51 0.73	-0.006	12	0.71	57.049	45	03.7	0.46	45	03.7	K0		CZ	9515	P -49 4247
98		7.3T	23 58.928	-0.0037	11	-43 17 18.12	-0.001	11	0.60	59.119	15	97.7	18.04	17	95.4	F0		GC	15702	C -42 6992
99	9.8E	9.3Z	24 14.015	-0.0023	12	-46 35 33.03	-0.003	12	0.65	14.125	31	01.9	32.88	28	01.9	G5		CZ	9517	P -46 5368
00	9.3E	9.0Z	24 19.680	-0.0029	12	-42 50 31.00	-0.007	12	0.73	19.820	45	01.3	30.66	45	01.3	A0		CZ	9518	P -42 5327

222800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 11H DM NUMBER
1	9.1E	9.3Z	11 24 21.881	-0.0018	12	-46 51 7.04	-0.010	12	0.71	21.964	45	03.7	6.58	45	03.7	A0	CZ	9520D	P*-46 5369
2	10.0E	9.3Z	24 28.368	-0.0029	12	-40 38 5.84	-0.018	12	0.68	28.519	28	97.5	4.92	25	97.5		CZ	9521	P -40 5174
3	10.0E	9.8E	24 33.445	-0.0011	12	-44 4 31.13	-0.012	12	0.64	33.501	28	01.1	30.55	25	01.1	K2	CZ	9524	P -43 5433
4	9.5E	9.2Z	24 42.036	0.0017	12	-47 29 9.36	-0.034	12	0.65	41.953	31	01.3	7.73	25	01.3	K0	CZ	9525	P -47 5084
5	9.9E	9.9Z	25 2.654	0.0001	12	-41 14 19.86	-0.015	12	0.66	2.647	63	98.3	19.10	57	98.3	B9	CZ	9527	P -40 5182
6	8.5E	8.5Z	25 13.723	-0.0030	12	-49 16 33.26	-0.001	12	0.71	13.861	45	03.7	33.23	45	03.7	K0	CZ	9529	P -48 3990
7	10.0E	9.4Z	25 18.452	-0.0043	12	-49 1 45.53	-0.005	12	0.64	19.636	31	B2.3	45.41	25	02.3	A0	CZ	9530	P -48 3993
8	9.1E	8.8Z	25 20.685	-0.0021	12	-46 41 50.67	-0.003	12	0.71	20.781	45	03.7	50.53	45	03.7	A0	CZ	9533	P -46 5375
9	9.5E	8.5Z	25 38.230	-0.0020	12	-47 4 30.63	-0.014	12	0.65	38.326	31	01.9	29.97	25	01.9	A2	CZ	9534	P -48 5378
10	9.1E	8.5Z	25 55.327	-0.0084	12	-43 49 14.17	-0.006	12	0.64	55.446	28	01.2	13.88	25	01.2	A0	CZ	9536	P -43 5435
11		8.3T	25 56.102	-0.0031	20	-43 10 57.18	-0.012	15	0.96	56.240	84	04.7	56.55	24	99.3	K0	GC	15742	C -42 7016
12		8.1T	26 1.557	-0.0044	15	-45 29 56.30	-0.002	11	0.88	1.772	19	01.1	56.17	16	97.0	G0	GC	15743K	C*-45 7084
13		9.3T	26 10.183	-0.0040	07	-42 25 55.13	-0.004	08	0.30	10.347	12	08.6	55.34	12	01.2	B9	GC	15744K	C -41 6965
14	8.2E	8.0Z	26 13.208	-0.0039	12	-44 51 54.71	-0.037	12	0.66	13.400	31	00.3	52.88	25	00.3	G0	CZ	9542	P -44 5559
15		7.1T	26 30.809	-0.0014	12	-43 12 14.07	-0.026	11	0.64	30.879	15	98.5	12.52	17	95.5	K0	GC	15753	C -42 7023
16	9.1E	9.0Z	26 56.698	0.0045	12	-40 42 14.07	-0.037	12	0.86	56.464	63	98.3	12.18	57	98.3	F5	CZ	9545	P -40 5198
17	9.0E	9.5Z	26 58.484	0.0009	12	-41 39 32.56	-0.017	12	0.67	59.377	28	98.4	31.70	25	98.4	A2	CZ	9546	P -41 5391
18	8.9E	9.0Z	27 3.288	-0.0031	12	-48 34 12.27	-0.013	12	0.64	3.417	28	01.5	11.64	25	01.5	A0	CZ	9548	P -48 4016
19	9.9E	9.2Z	27 3.852	-0.0084	12	-49 35 19.68	-0.007	12	0.73	4.143	45	01.7	19.36	45	01.7	G0	CZ	9549	P -49 4290
20	8.9E	9.0Z	27 19.174	0.0025	12	-47 36 16.84	-0.012	12	0.64	19.053	28	01.8	16.27	25	01.8	F0	CZ	9550	P -47 5040
21		7.4T	27 35.843	-0.0046	15	-44 24 54.45	0.001	11	0.70	36.069	19	00.9	54.52	18	97.1	K2	GC	15778	C -44 7389
22	8.1E	8.3Z	27 48.164	-0.0013	12	-49 22 21.56	-0.058	12	0.86	48.227	31	00.9	18.73	25	00.9	F5	CZ	9554	P -48 4021
23	10.1E	8.5Z	27 52.769	-0.0008	12	-41 52 26.08	-0.000	12	0.67	52.809	28	98.7	26.08	25	98.7	K5	CZ	9555	P -41 5400
24	9.3E	9.0Z	27 59.366	-0.0080	12	-43 58 8.22	0.002	12	0.73	59.677	45	01.7	8.32	45	01.7	A3	CZ	9556	P -43 5442
25	9.7E	10.0Z	28 0.630	-0.0086	12	-46 15 36.26	-0.016	12	0.68	0.755	36	01.9	37.50	36	01.9	A5	CZ	9557	P -45 5499
26	10.0E	9.6Y	28 7.520	-0.0011	12	-47 0 59.35	-0.010	12	0.63	7.572	28	02.0	58.88	25	02.0		CZ	9558	P -46 5389
27	10.0E	9.3Y	28 12.995	-0.0031	12	-40 24 5.45	-0.011	12	0.68	13.157	28	97.7	4.89	25	97.7		CZ	9559	P -39 5114
28	10.4E	9.8Y	28 14.825	-0.0086	12	-40 23 10.55	-0.034	12	0.86	15.069	63	98.3	9.81	57	98.3		CZ	9561	P -39 5115
29	11.4E	9.3Z	28 15.305	-0.0081	12	-40 22 59.49	-0.023	12	0.86	15.722	63	98.3	58.32	57	98.3		CZ	9562	P -39 5115
30	10.7E	9.0Y	28 16.732	-0.0079	12	-42 16 10.03	0.004	12	0.65	17.124	28	00.2	10.25	25	00.2	G5	CZ	9563	P -41 5403
31	9.2E	8.5Z	28 28.792	0.0029	12	-47 42 1.58	-0.040	12	0.72	28.655	45	02.8	-59.70	45	02.8	K0	CZ	9564	P -47 5048
32		7.2T	28 30.523	-0.0044	08	-41 39 2.07	-0.027	07	0.39	30.721	14	04.8	0.79	14	02.0	B8	GC	15801	C -41 6592
33	9.1E	8.0Z	28 39.414	-0.0042	12	-43 16 36.08	0.013	12	0.73	39.615	45	01.7	38.71	45	01.7	K2	CZ	9567	P -42 5362
34	10.4E	9.4Y	28 40.057	-0.0084	12	-43 1 41.06	-0.009	12	0.65	40.175	28	00.3	40.63	25	00.3		CZ	9569	P -42 5363
35		7.3T	28 44.459	-0.0022	15	-44 41 30.99	-0.007	10	0.68	44.566	22	01.9	30.64	19	95.6	G5	GC	15802	C -44 7384
36	10.3E	9.4Y	28 45.378	-0.0027	12	-45 10 22.16	-0.017	12	0.67	45.517	31	99.2	21.31	28	99.2		CZ	9571	P -44 5376
37	9.1E	9.5Z	28 50.344	-0.0080	12	-46 33 11.71	-0.006	12	0.65	50.442	31	00.9	11.32	28	00.9	A0	CZ	9572	P -46 5396
38	8.8E	8.5Z	28 59.045	-0.0094	12	-41 16 11.86	0.048	12	0.86	59.529	63	98.3	14.36	57	98.3	K0	CZ	9573	P -40 5212
39		7.9T	28 59.661	-0.0017	18	-44 21 7.79	-0.008	13	0.77	59.739	24	04.6	7.42	22	01.6	A2	GC	15806	C -43 7111
40	9.2E	8.5Z	29 0.166	0.0006	12	-48 47 33.79	-0.005	12	0.73	0.136	45	01.8	33.57	45	01.8	G5	CZ	9576	P -48 4036
41	9.9E	9.6Z	29 0.627	-0.0055	12	-49 11 18.10	-0.005	12	0.73	0.892	45	01.8	17.88	45	01.8	F8	CZ	9577	P -48 4041
42	10.1E	9.3Z	29 1.349	-0.0032	12	-48 23 18.40	-0.015	12	0.73	1.503	45	01.8	17.68	45	01.8	A	CZ	9578	P -47 5055
43	11.0E	9.9Z	29 2.265	-0.0015	12	-48 23 27.75	-0.018	12	0.73	2.357	45	01.8	26.89	45	01.8	A	CZ	9579	P -47 5055
44		7.9T	29 6.997	-0.0020	12	-45 49 4.00	0.012	12	0.65	7.102	19	98.7	4.66	18	97.1	A0	GC	15809	C -45 7061
45		7.0T	29 10.460	-0.0084	15	-44 27 44.86	0.006	11	0.67	10.575	18	02.5	45.20	21	96.1	K5	GC	15813	C -44 7393
46	9.2E	9.1Z	29 12.730	-0.0013	12	-43 31 5.17	-0.013	12	0.73	12.811	45	01.7	4.55	45	01.7	A0	CZ	9586	P -43 5447
47	9.4E	9.0Z	29 13.583	-0.0025	12	-43 43 26.08	-0.013	12	0.73	13.702	45	01.7	25.46	45	01.7	F0	CZ	9587	P -43 5448
48	9.8E	9.0Y	29 15.130	-0.0026	12	-49 9 23.64	-0.074	12	0.65	15.001	31	00.9	22.03	28	00.9	G0	CZ	9588	P -48 4045
49	10.7E	9.8Z	29 23.774	-0.0022	12	-44 15 24.34	0.001	12	0.65	23.886	28	00.2	24.39	25	00.2		CZ	9589	P -43 5454
50		9.3Y	29 25.931	0.0031	18	-47 56 46.02	-0.043	18	0.88	25.786	19	03.0	44.01	19	02.9	G5	GC	15817	C -47 6913
51	9.4E	9.0Z	11 29 46.216	0.0030	12	-42 5 27.30	-0.007	12	0.67	46.061	28	98.7	26.94	25	98.7	F5	CZ	9594	P -41 5417
52	9.5E	9.0Z	29 55.414	-0.0085	12	-49 40 17.28	0.007	12	0.73	55.865	45	01.7	17.64	45	01.7	G5	CZ	9595	P -49 4321
53	8.8E	8.5Z	30 5.288	-0.0011	12	-49 45 51.34	-0.004	12	0.66	5.343	31	00.9	51.13	28	00.9	A0	CZ	9597	P -49 4323
54	9.8E	9.3Z	30 7.173	-0.0017	12	-48 32 18.22	-0.025	12	0.73	7.253	45	01.8	17.03	45	01.8		CZ	9598	P -48 4055
55	8.2E	8.5Z	30 9.674	-0.0028	12	-46 47 0.66	-0.016	12	0.72	9.807	45	02.3	-59.82	45	02.3	A0	CZ	9599	P -46 5405
56		5.7T	30 21.674	-0.0061	07	-40 9 36.25	0.058	06	0.30	21.924	12	09.0	40.88	10	04.2	M0	GC	15842	C -39 7168
57	9.5E	9.0Z	30 35.875	-0.0009	12	-44 1 58.94	-0.005	12	0.65	35.918	28	00.1	58.70	25	00.1	A0	CZ	9607	P -43 5484
58	9.5E	8.0Z	30 39.179	-0.0019	12	-44 29 39.34	-0.010	12	0.67	39.275	31	99.2	38.83	28	99.2	K5	CZ	9608	P -44 5586
59	10.3E	9.0Z	30 39.379	-0.0018	12	-49 30 55.32	0.001	12	0.73	39.467	45	01.7	55.36	45	01.7		CZ	9609	P -49 4333
60	8.4E	8.0Z	30 41.669	-0.0019	12	-43 27 46.43	-0.019	12	0.73	41.761	45	01.7	45.53	45	01.7	A2	CZ	9610	P -43 5465
61	10.0E	9.5Z	30 42.477	-0.0047	12	-45 43 13.95	-0.027	12	0.74	42.713	45	00.2	12.63	45	00.2	F5	CZ	9611	P -45 5516
62	9.4E	9.0Z	31 6.986	-0.0021	12	-43 53 3.03	-0.005	12	0.73	7.086	45	01.7	2.79	45	01.7	A0	CZ	9615	P -43 5468
63		5.5T	31 10.666	-0.0086	09	-40 18 38.54	0.020	06	0.41	10.999	14	99.5	39.69	12	93.9	A2	GC	15854K	C*-39 7175
64	9.3E	8.8Z	31 10.878	0.0152	12	-46 2 22.74	-0.168	12	0.67	10.111	31	99.6	14.30	28	99.6	G0	CZ	9617	P -45 5517
65	8.2E	7.7Z	31 18.569	0.0015	12	-46 15 22.79	-0.063	12	0.74	18.514	45	00.2	19.68	45	00.2	A2	CZ	9618	P -45 5518
66		9.6T	31 19.674	-0.0013	13	-48 1 15.67	-0.003	13	0.70	19.739	22	01.2	15.52	22	00.4	K0	GC	15859	C -47 6942
67	9.3E	8.9Z	31 24.088	-0.0038	12	-41 0 36.36	-0.005	12	0.86	24.299	63	98.3	36.08	57	98.3	F5	CZ	9619	P -40 5235
68	10.2E	9.0Z	31 25.786	-0.0017	12	-41 18 18.32	-0.041	12	0.67	25.988	28	98.6	16.19	25	98.8	K0	CZ	9620	P -40 5236
69	9.9E	9.0Z	31 29.931	-0.0003	12	-40 42 27.67	-0.000	12	0.86	29.947	63	98.3	27.64	57	98.3	K0	CZ	9622	P -40 5238
70		8.0T	31 33.280	-0.0291	26	-48 32 28.69	-0.144	26	1.17	34.573	21	04.9	22.22	21	04.9	G5	GC	15864	C -48 6618
71	9.1E	9.2Z	31 43.616	-0.0014	12	-46 41 23.97	-0.010	12	0.64	43.683	28	01.2	23.51	25	01.2	A0	CZ	9624	P -46 5415
72	9.9E	8.5Z	31 46.282	-0.0049	12	-48 27 35.44	0.071	12	0.73	46.497	45	01.8	38.88	45	01.8	G0	CZ	9625	P -48 4067
73	9.1E	8.5Z	31 47.045	-0.0046	12	-49 46 0.93	-0.017	12	0.73	47.268	45	01.7	0.10	45	01.7	K0	CZ	9627	P -49 4348
74	8.3E	7.5Z	31 49.115	0.0012	12	-40 52 41.33	-0.015	12	0.68	49.053	28	97.4	40.51	25	97.4	A0	CZ	9626	P -40 5241
75	8.9E	8.0Z	31 50.085	-0.0086	12	-48 41 31.12	-0.017	12	0.73	50.218	45	01.8	30.31	45	01.8	K5	CZ	9629	P -48 4066
76	9.7E	8.8Z	31 56.989	0.0103	12	-46 41 47.98	-0.079	12	0.67	56.476	36	02.2	44.22	36	02.2	G5	CZ	9630	P -46 5421
77	9.7E	8.3Z	32 3.181	0.0009	12	-42 57 48.87	-0.033	12	0.68	3.139	36	01.9	47.29	36	01.9	F8	CZ	9631	P -42 5397
78	10.0E	9.0Z	32 4.950	-0.0003	12	-42 22 25.16	0.000	12	0.64	4.966	28	00.7	25.16	24	00.7	K0	CZ	9632	P -41 5434
79	9.4E	9.5Z	32 13.140	-0.0015	12	-45 36 54.48	-0.018	12	0.66	13.219	28	99.2	53.59	25	99.2	A3	CZ	9635	P -45 5525
80	9.1E	8.5Z	32 28.656	-0.0017	12	-46 10 36.85	-0.021	12	0.70	28.741	36	99.6	37.79	36	99.6	K2	CZ	9636	P -45 5526
81	10.4E	9.3Y	32 27.508	-0.0144	12	-47 48 57.76	-0.017	12	0.64	28.203	28	01.5	56.93	25	01.5		CZ	9637	P -47 5078
82	9.2E	8.5Y	32 30.321	-0.0019	12	-43 0 14.86	-0.008	12	0.64	30.416	28	00.6	14.43	24	00.6	A0	CZ	9638	P -42 5400
83		5.6T	32 32.748	-0.0175	10	-48 51 44.44	0.165	08	0.36	33.437	14	10.7	51.61	12	06.6	K0	GC	15881	C -48 6630
84	9.8E	9.2Z	32 33.847	-0.0013	12	-46 50 12.48	-0.011	12	0.67	33.907	36	02.2	11.95	36	02.2		CZ	9641	P -46 5424
85	10.8E	9.0Z	32 40.515	-0.0013	12	-42 44 20.76	-0.004	12	0.65	40.581	28	00.7	20.56	25	00.7		CZ	9645	P -42 5403
86	10.4E	9.6Y	32 41.257	-0.0019	12	-41 44 55.56	-0.012	12	0.66	41.355	28	99.3	54.97	25	99.3		CZ	9646	P -41 5439
87		5.8T	32 48.107	-0.0080	08	-47 5 44.65	-0.007	05	0.28	48.439	12	13.7	44.35	12	07.3	M0	GC	15886	C -46 7199
88	10.0E	8.7Z	32 50.780	-0.0016	12	-45 8 8.11	-0.008	12	0.66	56.864	28	99.0	7.70	25	99.0	K0	CZ	9649	P -44 5598
89	9.9E	9.6Z	33 0.475	-0.0014	12	-49 32 40.67	-0.010	12	0.73	6.545	45	01.3	40.20	45	01.3	A5	CZ	9652	P -49 4360
90	10.2E	9.0Z	33 7.341	-0.0006	12	-43 56 33.83	-0.007	12	0.65	7.371	28	00.1	33.49	25	00.1	K0	CZ	9651	P -43 5481
91	9.7E	8.0Z	33 11.568	-0.0056	12	-46 53 29.63	-0.003	12	0.67	11.834	36	02.2	29.49	36	02.2	MA	CZ	9655	P -46 5428
92	9.4E	8.8Z	33 11.986	0.0020	12	-45 54 25.54	0.005	12	0.74	11.886	45	00.2	25.79	45	00.2	F2	CZ	9654	P -45 5527
93	9.8E	9.2Z	33 17.469	-0.0075	12	-49 23 6.74	0.005	12	0.73	17.632	45	01.3	7.00	45	01.3		CZ	9658	P -48 4063
94	10.3E	10.0Z	33 24.417	-0.0011	12	-41 14 54.68	0.005	12	0.65	24.474	63	00.3	55.15	57	00.3	G0	CZ	9659	P -40 5253
95		5.4H	33 29.689	0.0030	03	-47 21 51.21	-0.054	03	0.12	29.595	08	19.0	49.49	05	17.9	F0	F4	435	C -46 7205
96	9.6E	9.0Z	33 37.479	-0.0003	12	-41 15 21.24	0.005	12	0.67	37.496	28	98.8	21.47	25	98.8	G5	CZ	9662	P -40 5255
97		7.9T	33 40.548	-0.0032	12	-47 57 ..71	-0.015	10	0.82	40.712	22	99.2	9.53	19	95.1	K0	GC	15906	C -47 6974
98	10.0E	8.8H	33 41.099	0.0004	12	-45 19 49.09	-0.016	12	0.75	41.081	45	99.7	47.28	45	99.7	K2	CZ	9663	P -44 5602
99	10.6E	8.5Z	33 46.125	-0.0009	12	-43 14 56.19	-0.010	12	0.65	46.171	28	00.0	55.71	25	00.0	K5	CZ	9665	P -42 5413
00	10.3E	9.4*	33 48.121	-0.0041	12	-49 8 39.66	0.006	12	0.65	48.320	31	01.0	39.96	28	01.0		CZ	9666	P -48 4088

222900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	11.4E	10.5M	11 33 54.033	-0.0033	12	-47 42 25.49	-0.005	12	0.72	54.187	45	02.7	25.25	45	02.7	AO	CZ	9667	P -47 5093
2	9.8E	9.8Z	33 54.840	-0.0009	12	-47 42 23.29	-0.007	12	0.72	54.881	45	02.7	22.96	45	02.7	AO	CZ	9668	P -47 5093
3	8.7E	8.5Z	34 1.605	0.0002	12	-49 39 26.21	-0.019	12	0.66	1.596	31	00.6	25.28	28	00.6	A2	CZ	9670	P -49 4369
4	9.4E	9.0Z	34 3.381	-0.0001	12	-41 39 41.40	-0.019	12	0.73	3.388	45	00.8	40.49	45	00.8	F5	CZ	9669	P -41 5456
5	8.1E	8.5Z	34 7.558	-0.0030	12	-41 11 27.46	0.007	12	0.85	7.709	63	00.3	27.83	57	00.3	A2	CZ	9671	P -40 5258
6	10.2E	9.1*	34 19.035	-0.0022	12	-40 19 55.71	0.002	12	0.67	19.150	28	98.8	55.84	26	98.8		CZ	9672	P -39 5177
7	8.5E	8.7Z	34 23.944	0.0011	12	-47 43 3.59	-0.006	12	0.72	23.890	45	02.7	3.31	45	02.7	F8	CZ	9673	P -47 5095
8	10.0E	9.5Z	34 38.484	-0.0026	12	-45 14 8.12	-0.005	12	0.75	38.617	45	99.7	7.88	45	99.7	A3	CZ	9676	P -44 5609
9	8.8E	8.5Z	34 38.876	0.0001	12	-48 6 10.23	-0.007	12	0.85	38.869	31	01.2	9.88	28	01.2	AO	CZ	9677	P -47 5098
10	9.8E	9.5*	34 39.199	-0.0008	12	-48 34 15.23	-0.003	12	0.85	39.239	31	02.0	15.07	28	02.0	AO	CZ	9678	P -48 4101
11	9.8E	9.3Z	34 43.349	-0.0023	12	-49 25 10.97	-0.040	12	0.73	43.460	45	01.3	9.03	45	01.3	F5	CZ	9679	P -49 4380
12	9.4E	9.0Z	34 44.801	-0.0035	12	-47 6 53.90	-0.021	12	0.72	44.967	45	02.2	52.89	45	02.2	F5	CZ	9680	P -46 5439
13	9.0E	8.5Z	34 49.064	-0.0008	12	-41 13 19.10	-0.022	12	0.85	49.106	63	00.3	17.98	57	00.3	K2	CZ	9681	P -40 5267
14	9.9E	9.4Z	34 52.560	-0.0017	12	-49 41 24.58	-0.016	12	0.73	52.644	45	01.3	23.81	45	01.3		CZ	9683	P -49 4384
15	9.7E	9.5Z	35 2.805	-0.0018	12	-42 8 5.01	-0.016	12	0.66	2.898	28	99.4	4.20	26	99.4	F5	CZ	9685	P -41 5466
16		7.9T	35 5.678	-0.0054	15	-47 1 39.68	-0.003	12	0.70	5.938	22	02.2	39.52	21	97.9	F0	GC	15944	C -46 7231
17		5.5T	35 8.091	-0.0074	07	-47 28 13.95	0.024	06	0.31	8.384	14	10.6	15.02	14	05.6	K2	GC	15945	C -47 6997
18	9.0E	8.5Z	35 10.751	-0.0049	12	-46 26 0.18	0.019	12	0.66	10.991	31	00.9	1.10	28	00.9	B5	CZ	9689	P -46 5445
19	10.1E	9.3Z	35 21.744	-0.0048	12	-48 38 52.64	-0.000	12	0.73	21.978	45	01.8	52.63	45	01.8	G0	CZ	9692	P -48 4104
20	9.7E	9.0Z	35 30.537	-0.0019	12	-46 33 22.02	-0.016	12	0.72	30.626	45	02.2	21.25	45	02.2	AO	CZ	9693	P -46 5449
21	10.3E	9.0Z	35 36.134	-0.0031	12	-40 46 33.61	-0.002	12	0.67	36.294	28	98.6	33.49	26	98.6	K0	CZ	9695	P -40 5278
22	9.0E	9.0Z	35 38.084	-0.0008	12	-44 51 43.16	-0.016	12	0.75	38.125	45	99.7	42.36	45	99.7	B8	CZ	9696	P -44 5615
23	9.9E	9.4Z	35 39.690	-0.0036	12	-48 49 51.61	-0.013	12	0.73	39.862	45	01.8	50.99	45	01.8	G0	CZ	9697	P -48 4107
24		7.3T	35 44.283	-0.0034	12	-45 26 21.15	-0.009	11	0.63	44.432	18	00.5	20.66	19	95.2	F0	GC	15983	C -45 7153
25	10.2E	9.5Z	35 54.746	-0.0002	12	-44 8 7.34	-0.011	12	0.65	54.756	28	00.2	6.80	26	00.2		CZ	9700	P -43 5502
26	10.6E	9.2Z	36 0.127	-0.0000	12	-42 10 2.07	-0.014	12	0.65	0.129	28	00.0	1.37	26	00.0	K2	CZ	9702	P -41 5473
27	9.3E	8.5Z	36 2.058	-0.0045	12	-48 32 32.32	0.001	12	0.72	2.269	45	02.7	32.36	45	02.7	G5	CZ	9704	P -47 5106
28	9.9E	9.0Z	36 3.435	-0.0045	12	-40 51 23.02	0.005	12	0.85	3.660	63	00.3	23.29	57	00.3	G0	CZ	9703	P -40 5282
29	10.5E	9.2M	36 6.451	-0.0036	12	-40 34 48.21	-0.012	12	0.85	6.631	63	00.3	47.64	57	00.3	K2	CZ	9705	P -40 5283
30	10.5E	9.0*	36 17.228	-0.0034	12	-41 25 14.59	-0.024	12	0.66	17.402	28	99.4	13.40	26	99.4	G0	CZ	9709	P -41 5476
31		7.0T	36 19.139	-0.0035	13	-40 1 33.06	-0.019	10	0.63	19.313	21	00.2	32.05	18	95.4	K0	GC	15982	C*-39 7224
32		7.0T	36 21.255	-0.0060	15	-47 34 27.44	-0.030	10	0.68	21.549	19	01.1	25.83	18	96.7	K0	GC	15984	C -47 7012
33		9.6T	36 23.514	-0.0043	22	-45 5 4.18	-0.105	20	1.00	23.714	21	04.0	-59.28	21	03.3	G5	GC	15986	C -44 7473
34		8.9T	36 59.796	-0.0165	22	-48 12 16.67	-0.024	22	1.04	+ 0.546	21	04.6	15.58	21	04.6	G5	GC	16000	C -47 7021
35	10.7E	9.4*	37 12.096	-0.0035	12	-46 14 47.61	-0.007	12	0.65	12.269	28	00.3	47.27	26	00.3	F5	CZ	9717	P -45 5556
36		8.9T	37 17.026	-0.0023	22	-44 21 53.73	-0.070	20	1.00	17.134	19	03.3	50.47	19	03.4	AO	GC	16007	C -43 7213
37		7.8T	37 19.294	-0.0054	10	-45 42 2.49	0.003	09	0.43	19.523	17	07.3	2.62	15	05.1	A5	GC	16010	C*-45 7178
38		7.5T	37 25.740	-0.0031	11	-45 31 32.58	-0.097	10	0.59	25.904	21	96.6	27.19	18	94.5	K0	GC	16011	C -45 7180
39	9.8E	9.6Z	37 28.166	-0.0029	12	-48 52 42.68	0.005	12	0.68	28.344	36	01.9	42.94	36	01.9	F0	CZ	9722	P -48 4121
40	9.6E	9.2*	37 30.926	-0.0014	12	-46 55 14.90	-0.012	12	0.64	30.993	28	01.2	14.31	26	01.2	AO	CZ	9723	P -46 5458
41		9.5T	37 39.278	-0.0053	20	-45 18 9.15	-0.020	14	0.81	39.513	24	05.8	8.20	24	02.8	K	GC	16018	C -44 7494
42	10.6E	9.0*	37 41.633	-0.0007	12	-41 50 46.80	0.005	12	0.65	41.669	26	99.7	47.05	24	99.7	K0	CZ	9724	P -41 5491
43	9.8E	8.5Z	37 45.691	-0.0026	12	-43 28 8.68	0.001	12	0.65	45.822	26	00.0	8.74	24	00.0	K5	CZ	9725	P -43 5518
44	8.8E	8.5Z	37 46.577	-0.0051	12	-48 51 38.55	-0.033	12	0.68	46.820	36	01.9	36.98	36	01.9	F5	CZ	9726	P -48 4125
45	9.7E	8.5Z	37 52.152	-0.0011	12	-49 58 53.67	-0.009	12	0.73	52.206	45	01.3	53.23	45	01.3		CZ	9727	P -49 4427
46	7.9E	8.0Z	37 55.951	-0.0018	12	-48 53 21.66	-0.011	12	0.64	55.862	28	01.3	21.15	26	01.3	AO	CZ	9728	P -48 4126
47	9.0E	9.0Z	38 2.870	-0.0018	12	-46 17 3.54	-0.019	12	0.67	2.955	36	02.2	2.63	36	02.2	K0	CZ	9730	P -45 5561
48		9.0T	38 4.588	0.0004	20	-42 52 43.65	-0.064	26	1.02	4.568	24	05.9	40.88	24	06.5	F5	GC	16028K	C*-42 7144
49	11.1E	9.8Z	38 4.971	0.0011	12	-42 52 52.57	-0.031	12	0.73	4.919	45	01.3	51.07	45	01.3	F5	CZ	9733	P -42 5449
50	8.5E	8.5Z	38 8.009	-0.0015	12	-49 55 10.29	-0.013	12	0.66	8.064	31	00.6	9.65	28	00.6	AO	CZ	9735	P -49 4428
51	7.8E	8.5Z	11 38 11.887	-0.0057	12	-49 13 55.09	-0.026	12	0.68	12.159	36	01.9	53.86	36	01.9	AO	CZ	9737	P -48 4130
52	9.9E	9.4Z	38 16.295	-0.0016	12	-48 29 30.45	-0.020	12	0.68	16.370	36	01.9	29.48	36	01.9	KO	CZ	9739	P -48 4131
53	9.6E	9.3Z	38 20.258	-0.0011	12	-43 52 49.73	-0.017	12	0.73	20.311	45	01.2	48.91	45	01.2	A5	CZ	9740	P -43 5521
54	9.1E	9.0Z	38 24.403	-0.0010	12	-42 27 33.87	-0.016	12	0.65	24.455	28	99.9	33.07	26	99.9	AO	CZ	9741	P -42 5453
55		8.1T	38 36.988	0.0015	12	-40 36 27.21	-0.019	12	0.64	36.911	19	99.0	26.22	18	96.8	K5	GC	16040	C -40 6884
56		8.1T	38 37.415	-0.0627	20	-44 7 53.47	0.217	20	0.96	40.425	18	02.0	+ 3.98	18	01.6	K5	GC	16041	C -43 7228
57	10.6E	9.4*	38 42.464	-0.0033	12	-41 32 39.88	-0.014	12	0.66	42.633	28	99.3	39.19	26	99.3		CZ	9744	P -41 5506
58		7.9T	38 45.580	-0.0032	13	-49 54 58.81	0.006	12	0.68	45.739	22	99.7	59.14	19	95.8	K0	GC	16046K	C*-49 6398
59	9.6E	9.0Z	38 46.442	-0.0026	12	-46 37 1.66	-0.017	12	0.72	46.564	45	02.2	0.85	45	02.2	A5	CZ	9745	P -46 5468
60		5.7T	38 51.807	-0.0077	08	-42 49 6.25	-0.004	09	0.37	52.123	12	08.7	6.09	14	08.0	AO	GC	16048	C -42 7155
61	8.7E	8.5Z	38 51.939	-0.0047	12	-49 55 34.54	-0.004	12	0.72	52.165	45	02.3	34.36	45	02.3	G5	CZ	9748D	P*-49 4435
62		6.9T	38 56.900	0.0173	15	-40 44 21.04	-0.133	18	0.88	56.077	22	02.5	14.01	21	96.9	G0	GC	16050	C -40 6891
63	10.0E	9.1Z	39 20.622	-0.0017	12	-42 12 53.57	-0.006	12	0.66	20.711	28	99.2	53.27	26	99.2	AO	CZ	9752D	P*-41 5514
64		9.4T	39 21.661	-0.0285	22	-40 17 42.96	-0.046	22	1.07	22.986	18	03.5	40.82	18	03.0	K0	GC	16061	C*-39 7258
65	8.2E	8.0Z	39 26.883	-0.0053	12	-43 49 34.78	0.004	12	0.73	27.141	45	01.2	34.98	45	01.2	F0	CZ	9755	P -43 5526
66	9.0E	8.0Z	39 31.289	-0.0038	12	-46 4 23.42	-0.009	12	0.74	31.477	45	00.2	22.98	45	00.2	K0	CZ	9756	P -45 5569
67		8.0T	39 31.672	-0.0038	17	-45 22 17.72	-0.006	13	0.77	31.856	17	02.0	17.41	18	98.1	A2	GC	16068	C -44 7516
68	10.4E	9.5Z	39 47.650	-0.0026	12	-41 38 44.81	-0.007	12	0.74	47.781	45	00.3	44.48	45	00.3	F2	CZ	9758	P -41 5518
69		9.3T	39 49.804	0.0048	22	-49 16 1.66	-0.023	22	1.06	49.583	19	03.9	0.59	18	02.9	K0	GC	16073	C -48 6730
70	9.3E	8.5Z	39 51.385	-0.0035	12	-47 53 44.60	-0.003	12	0.72	51.551	45	02.2	44.45	45	02.2	K0	CZ	9760	P -47 5134
71	9.6E	8.0Z	40 2.674	-0.0020	12	-49 33 39.86	-0.024	12	0.72	2.771	45	02.3	38.73	45	02.3	MA	CZ	9762	P -49 4452
72	8.9E	9.0Z	40 3.074	0.0005	12	-41 49 38.91	-0.013	12	0.66	3.050	28	99.2	38.25	26	99.2	AO	CZ	9761	P -41 5522
73	10.0E	9.8Z	40 8.447	-0.0020	12	-46 17 16.77	-0.013	12	0.66	8.544	31	00.9	16.13	28	00.9	AO	CZ	9765	P -45 5579
74	9.0E	8.5Z	40 31.033	-0.0014	12	-44 39 57.57	-0.007	12	0.75	31.104	45	99.3	57.22	45	99.3	AO	CZ	9769	P -44 5659
75	11.7E	10.2M	40 32.434	-0.0025	12	-44 39 48.48	-0.007	12	0.75	32.561	45	99.3	48.12	45	99.3	AO	CZ	9770	P -44 5659
76	9.3E	8.8Z	40 39.059	-0.0025	12	-45 27 16.07	-0.017	12	0.74	39.184	45	00.2	15.23	45	00.2	A2	CZ	9771	P -45 5581
77	9.9E	8.5Z	40 49.194	-0.0019	12	-44 49 1.69	-0.025	12	0.75	49.291	45	99.3	0.43	45	99.3	K2	CZ	9773	P -44 5661
78	9.3E	8.2Z	40 56.477	-0.0007	12	-41 15 59.47	-0.026	12	0.85	56.513	63	00.3	58.20	57	00.3	K2	CZ	9775	P -40 5342
79	9.0E	8.0Z	41 2.186	0.0005	12	-44 43 2.39	-0.019	12	0.68	2.161	31	98.9	1.42	28	98.9	A3	CZ	9776	P -44 5665
80	11.3E	9.6*	41 13.432	0.0019	12	-44 6 0.49	-0.056	12	0.66	13.337	28	99.7	-57.69	26	99.7		CZ	9777	P -43 5535
81	9.7E	9.0Z	41 14.151	-0.0025	12	-47 38 48.94	-0.012	12	0.65	14.271	31	01.6	48.36	28	01.6	AO	CZ	9778	P -47 5143
82	10.4E	9.3*	41 23.633	-0.0067	12	-48 31 4.72	0.005	12	0.65	23.961	31	01.2	4.95	28	01.2	G0	CZ	9780	P -48 4159
83	9.1E	8.0Z	41 29.258	-0.0020	12	-44 58 19.53	-0.001	12	0.68	29.361	31	98.9	19.49	28	98.9	K0	CZ	9781	P -44 5669
84		10.1T	41 31.453	-0.0090	22	-43 15 21.97	-0.027	22	1.07	31.868	19	03.6	20.72	19	03.0	G0	GC	16103	C -42 7185
85	10.0E	9.0Z	41 36.328	-0.0057	12	-47 41 34.11	-0.015	12	0.68	36.599	36	02.2	33.39	36	02.2	F0	CZ	9783	P -47 5145
86	9.9E	8.4H	41 40.312	-0.0000	12	-45 18 5.01	-0.012	12	0.74	40.313	45	00.2	4.42	45	00.2	K5	CZ	9784	P -44 5671
87	9.8E	9.0Z	41 55.563	-0.0018	12	-48 24 55.35	-0.025	12	0.72	55.647	45	02.2	54.15	45	02.2	F8	CZ	9785	P -48 4170
88	10.0E	9.5Z	42 0.953	-0.0051	12	-40 58 14.84	-0.046	12	0.67	1.216	28	98.7	12.51	26	98.7		CZ	9786	P -40 5348
89	9.7E	9.5Z	42 1.990	-0.0012	12	-42 33 47.02	-0.004	12	0.66	2.052	28	99.7	46.81	26	99.7	AO	CZ	9787	P -42 5487
90	9.7E	9.0Z	42 9.955	-0.0008	12	-43 50 38.99	-0.020	12	0.69	9.993	36	00.6	38.00	36	00.6	AO	CZ	9790	P -43 5588
91		7.4T	42 10.314	0.0012	13	-48 51 58.94	-0.032	10	0.63	10.255	18	00.8	57.17	19	94.1	K0	GC	16111	C -48 6769
92	10.2E	9.2Z	42 10.460	-0.0036	12	-41 42 31.78	-0.000	12	0.69	10.640	36	00.3	31.76	36	00.3		CZ	9789	P -41 5541
93	9.1E	8.7*	42 11.027	-0.0131	12	-49 8 21.42	-0.063	12	0.65	11.664	31	01.2	18.36	28	01.2	K0	CZ	9792	P -48 4174
94	10.3E	8.6Z	42 15.502	-0.0024	12	-41 31 31.17	-0.002	12	0.69	15.623	36	00.3	31.09	36	00.3	K0	CZ	9795	P -41 5543
95	8.7E	8.0Z	42 28.958	-0.0046	12	-44 19 54.75	-0.008	12	0.70	29.188	36	99.9	54.36	36	99.9	G5	CZ	9797	P -43 5547
96	9.5E	9.5Z	42 33.986	-0.0022	12	-41 17 43.39	-0.012	12	0.65	34.099	26	99.4	42.80	24	99.4	AO	CZ	9799	P -40 5353
97		6.3T	42 44.322	-0.0034	14	-48 47 32.01	0.011	09	0.63	44.485	22	02.1	32.66	19	92.1	K0	GC	16119	C -48 6777
98		7.1T	42 55.350	-0.0022	11	-40 14 20.89	0.000	11	0.61	55.467	19	96.9	20.72	18	95.4	K0	GC	16124	C -39 7264
99	9.1E	8.5Z	42 57.093	-0.0014	12	-44 21 55.36	-0.003	12	0.70	57.163	36	99.9	55.22	36	99.9	K0	CZ	9802	P -43 5548
00	9.0E	9.0Z	43 3.327	-0.0024	12	-41 48 5.14	-0.011	12	0.66	3.451	28	99.1	4.58	26	99.1	AO	CZ	9803	P -41 5552

223000 — -40° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.3E	9.0Z	11 43 4.061	0.0049	12	-45 47 1.42	-0.126	12	0.65	4.615	28	00.0	-55.12	26	00.0	F5	CZ	9804	P -45 5595
2	9.2E	8.5Z	43 5.105	-0.0122	12	-46 45 55.57	0.002	12	0.72	5.689	45	02.2	55.66	45	02.2	G5	CZ	9805	P -46 4184
3	8.9E	8.3Z	43 5.834	-0.0170	12	-46 57 0.80	-0.034	12	0.64	6.661	28	01.2	-59.14	26	01.2	G5	CZ	9806D	P -46 5493
4	9.0E	9.8Z	43 6.243	-0.0023	12	-49 21 16.94	-0.010	12	0.72	6.351	45	02.3	16.48	45	02.3	A2	CZ	9807	P -49 4185
5	9.1E	8.0Z	43 8.772	-0.0099	12	-44 35 52.18	0.002	12	0.67	9.268	31	99.9	52.28	28	99.9	K0	CZ	9808	P -44 5682
6		8.1T	43 12.442	-0.0089	14	-49 34 19.36	-0.005	10	0.66	12.770	22	02.2	19.09	21	95.9	F5	GC	16130	C -49 6461
7	9.0E	9.0*	43 12.804	-0.0022	12	-40 23 3.52	-0.043	12	0.68	12.918	31	98.8	1.34	28	98.8	A2	CZ	9809	P -39 5255
8	8.1E	8.8Z	43 13.416	-0.0074	12	-49 17 16.98	0.013	12	0.72	13.767	45	02.3	17.62	45	02.3	F2	CZ	9811	P -48 4187
9		5.4T	43 14.986	-0.0048	07	-45 04 44.43	0.006	05	0.27	15.162	09	09.3	44.70	09	05.2	B8	GC	16133	C -44 7564
10	9.2E	8.8*	43 15.088	-0.0012	12	-47 59 12.81	-0.014	12	0.64	15.145	28	01.2	12.12	26	01.2	A3	CZ	9813	P -47 5156
11	9.4E	9.4Z	43 15.208	-0.0015	12	-48 56 51.91	-0.023	12	0.72	15.278	45	02.2	50.83	45	02.2	F0	CZ	9814	P -48 4188
12		8.5T	43 24.600	-0.0055	14	-49 40 17.07	-0.023	10	0.66	24.867	19	01.0	15.85	18	96.7	A0	GC	16136	C -49 6464
13	10.3E	9.0Z	43 29.248	-0.0003	12	-43 18 21.56	-0.039	12	0.66	29.284	28	99.0	19.59	26	99.0	K0	CZ	9816	P -42 5497
14	9.7E	9.6Z	43 35.479	-0.0021	12	-42 48 10.56	-0.005	12	0.66	35.587	28	99.0	10.32	28	99.0	A0	CZ	9817	P -42 5498
15	10.7E	9.3*	43 43.788	-0.0009	12	-40 45 49.86	-0.022	12	0.68	43.775	31	98.8	48.72	28	98.8		CZ	9819	P -40 5367
16	9.1E	8.3Z	43 45.249	-0.0044	12	-47 55 55.78	-0.008	12	0.72	45.458	45	02.2	55.38	45	02.2	MA	CZ	9820	P -47 5158
17	9.3E	8.5Z	43 58.968	-0.0009	12	-48 17 15.08	-0.037	12	0.64	59.010	28	01.2	13.27	26	01.2	F8	CZ	9824	P -47 5162
18	10.0E	9.5Z	43 59.188	-0.0070	12	-49 26 1.81	-0.045	12	0.72	59.520	45	02.3	-59.67	45	02.3		CZ	9825	P -48 4199
19	9.5E	8.5Z	43 59.612	-0.0010	12	-43 6 50.93	-0.031	12	0.67	59.864	28	98.7	49.36	26	98.7	K2	CZ	9823	P -42 5502
20		5.0T	44 7.632	-0.1341	06	-40 13 41.19	0.396	05	0.25	13.050	09	09.6	57.52	09	08.8	G5	GC	16149	C* -39 7301
21	9.4E	8.5Z	44 13.537	-0.0018	12	-48 33 55.01	-0.014	12	0.72	13.624	45	02.2	54.33	45	02.2	K0	CZ	9826	P -48 4201
22	10.1E	9.6Z	44 17.148	-0.0027	12	-48 52 16.67	-0.017	12	0.72	17.275	45	02.2	15.87	45	02.2		CZ	9827	P -48 4202
23	9.6E	8.8*	44 21.551	-0.0025	12	-47 11 42.59	-0.017	12	0.66	21.673	31	00.9	41.76	28	00.9	K5	CZ	9828	P -46 5496
24	9.6E	9.4Z	44 25.342	-0.0094	12	-46 53 47.39	-0.034	12	0.72	25.789	45	02.2	45.77	45	02.2	F5	CZ	9830	P -46 5499
25	9.4E	9.5Z	44 26.109	-0.0011	12	-41 0 54.60	-0.017	12	0.85	26.165	63	00.3	53.73	57	00.3	A0	CZ	9829	P -40 5372
26	10.1E	9.7Z	44 27.906	-0.0031	12	-49 8 14.87	-0.020	12	0.72	28.052	45	02.2	13.93	45	02.2		CZ	9831	P -48 4204
27	9.7E	9.0*	44 51.566	0.0021	12	-43 43 35.54	-0.026	12	0.66	51.461	28	99.0	34.23	26	99.0	G0	CZ	9832	P -43 5557
28	8.6E	8.5Z	44 52.374	-0.0037	12	-46 3 43.74	-0.009	12	0.73	52.552	45	01.7	43.30	45	01.7	A3	CZ	9833	P -45 5609
29	9.4E	9.0Z	44 55.682	-0.0041	12	-49 36 22.55	-0.019	12	0.71	55.875	45	03.3	21.67	45	03.3	G5	CZ	9834	P -49 4494
30	9.2E	9.0Z	45 16.652	-0.0024	12	-46 19 21.51	-0.087	12	0.66	16.768	31	00.9	17.24	28	00.9	G0	CZ	9836	P -45 5613
31	9.2E	9.2Z	45 28.745	-0.0038	12	-45 42 17.92	-0.015	12	0.73	28.930	45	01.7	17.19	45	01.7	F0	CZ	9837	P -45 5614
32	7.8	8.1W	45 29.453	0.0021	13	-40 0 48.44	-0.061	13	0.26	29.423	15	35.4	47.55	21	35.4	A2	GB	5545	C -39 7307
33	7.8E	7.5Z	45 44.590	-0.0010	12	-49 42 58.06	-0.019	12	0.65	44.640	31	01.9	57.12	28	01.9	A2	CZ	9839	P -49 4509
34	9.1E	9.0Z	45 46.714	-0.0015	12	-48 38 48.95	-0.055	12	0.72	46.787	45	02.2	46.32	45	02.2	F5	CZ	9840	P -48 4225
35		9.0T	46 0.688	-0.0099	26	-47 16 34.56	0.026	26	1.18	0.957	21	04.7	35.74	21	04.7	K5	GC	16179	C -46 7398
36	9.1E	8.8*	46 7.598	-0.0088	12	-45 18 35.25	0.011	12	0.66	8.034	31	00.6	35.79	28	00.6	K0	CZ	9842	P -44 5705
37	10.4E	8.5Z	46 15.741	-0.0005	12	-44 38 10.06	-0.012	12	0.67	15.716	31	99.9	9.46	28	99.9	K0	CZ	9843	P -44 5708
38	10.0E	8.3Z	46 33.635	-0.0049	12	-43 49 36.20	-0.009	12	0.74	33.880	45	99.8	35.75	45	99.8	K5	CZ	9845	P -43 5564
39		8.5T	46 44.491	0.0006	17	-45 56 43.06	-0.030	10	0.72	44.461	22	02.4	41.41	19	95.1	F8	GC	16193	C -45 7307
40	8.5E	8.0Z	46 45.704	-0.0044	12	-49 2 16.35	-0.036	12	0.64	45.915	28	01.5	14.62	26	01.5	F2	CZ	9848	P -48 4239
41	9.4E	9.5Z	46 55.730	0.0002	12	-41 5 14.68	-0.022	12	0.85	55.722	63	00.3	13.57	57	00.3	A0	CZ	9849	P -40 5392
42		7.4T	46 57.981	-0.0040	12	-45 47 22.80	-0.016	09	0.61	58.185	21	98.4	21.86	18	91.6	A3	GC	16197	C -45 7312
43	9.9E	8.7Z	47 9.387	-0.0028	12	-49 58 12.34	-0.009	12	0.71	9.519	45	03.3	11.92	45	03.3	K0	CZ	9855	P -49 4520
44		7.6T	47 18.050	-0.0028	18	-45 44 11.85	-0.043	13	0.78	18.176	24	04.5	9.73	21	01.2	K0	GC	16203	C -45 7316
45		9.5T	47 21.521	0.0089	22	-42 40 48.22	-0.117	22	1.07	21.106	19	03.6	42.74	19	03.0	K0	GC	16204	C -42 7240
46	9.5E	8.5Z	47 26.825	-0.0050	12	-45 45 23.53	-0.006	12	0.67	27.065	36	02.3	23.24	36	02.3	F5	CZ	9862	P -45 5637
47	10.5E	9.5*	47 28.792	-0.0003	12	-44 6 33.51	-0.019	12	0.63	28.807	28	01.6	32.59	24	01.6		CZ	9863	P -43 5567
48	9.8E	9.5Z	47 31.102	-0.0019	12	-40 41 52.15	-0.027	12	0.85	31.197	63	00.3	50.84	57	00.3	F5	CZ	9864	P -40 5395
49		8.4T	47 37.506	0.0007	20	-49 15 53.29	0.007	20	0.91	37.475	24	05.5	53.62	24	05.1	A0	GC	16209	C -48 6872
50	10.4E	9.5*	47 42.931	-0.0023	12	-46 54 40.14	-0.025	12	0.64	43.041	28	01.5	38.92	26	01.5	A3	CZ	9868	P -46 5524
51	9.9E	9.5Z	11 47 49.906	-0.0019	12	-43 57 56.80	-0.003	12	0.67	49.995	36	03.0	56.67	36	03.0	A0	CZ	9871	P -43 5569
52	8.0E	8.0Z	47 55.423	-0.0032	12	-46 11 25.75	-0.055	12	0.63	55.578	28	01.3	23.07	24	01.3	F2	CZ	9872	P -45 5643
53	9.3E	9.5Z	48 12.893	-0.0071	12	-41 20 40.17	-0.036	12	0.74	13.248	45	00.3	38.41	45	00.3		CZ	9875	P -40 5404
54	9.3E	9.0Z	48 13.510	-0.0005	12	-40 35 16.88	-0.022	12	0.85	13.535	63	00.3	15.81	57	00.3	K0	CZ	9876	P -40 5403
55	10.4E	9.6*	48 14.276	-0.0058	12	-48 9 59.75	0.003	12	0.64	14.557	28	01.2	59.89	26	01.2	G0	CZ	9877	P -47 5193
56	10.0E	9.0Z	48 17.618	-0.0001	12	-44 40 46.49	-0.005	12	0.69	17.622	45	05.3	46.27	45	05.3	K0	CZ	9878	P -44 5716
57	9.6E	9.2*	48 18.563	-0.0039	12	-41 56 19.39	-0.015	12	0.66	18.762	28	99.3	18.64	26	99.3		CZ	9879	P -41 5599
58	10.0E	9.6*	48 31.377	-0.0025	12	-44 23 31.81	-0.010	12	0.64	31.494	31	03.0	31.34	28	03.0		CZ	9880	P -43 5576
59	9.7E	9.3Z	48 32.875	0.0006	12	-40 45 30.90	-0.049	12	0.85	32.846	63	00.3	28.49	57	00.3		CZ	9881	P -40 5410
60	10.9E	10.0M	48 34.576	-0.0039	12	-49 53 18.51	-0.007	12	0.71	34.760	45	03.3	18.18	45	03.3		CZ	9882	P -49 4547
61	10.4E	9.7Z	48 35.184	-0.0023	12	-49 53 23.66	-0.008	12	0.71	35.292	45	03.3	23.29	45	03.3		CZ	9883	P -49 4547
62		4.7M	48 38.202	-0.0077	04	-44 53 42.92	-0.018	03	0.12	38.436	06	19.3	42.37	06	19.7	K0	F4	446	-44 2614
63	9.1E	9.3M	48 39.625	-0.0002	12	-40 29 27.39	-0.027	12	0.85	39.634	63	00.3	26.02	57	00.3	A0	GC	9885	P -40 5412
64		6.9T	48 42.359	-0.0024	12	-43 39 17.13	-0.017	09	0.60	42.481	18	99.4	16.19	17	94.4	A0	GC	16228	C -43 7333
65	8.2E	7.0Z	48 50.370	-0.0055	12	-42 48 7.11	-0.002	12	0.67	50.652	28	98.9	7.02	26	98.9	K0	CZ	9888	P -42 5537
66	9.8E	9.5Z	48 57.139	0.0091	12	-41 11 23.61	-0.124	12	0.85	56.689	63	00.3	17.48	57	00.3		CZ	9890	P -40 5419
67	10.8E	9.4Z	48 59.850	-0.0035	12	-42 17 34.81	-0.010	12	0.66	+ 0.031	28	99.0	34.30	26	99.0		CZ	9892	P -41 5607
68	10.2E	9.0Z	48 59.920	-0.0000	12	-41 11 41.81	-0.027	12	0.85	59.922	63	00.3	40.49	57	00.3		CZ	9891	P -40 5420
69	8.3E	7.8M	49 0.695	-0.0030	12	-40 24 34.42	-0.026	12	0.66	0.850	28	98.7	33.11	24	98.7	F2	CZ	9893	P -39 5299
70	10.2E	9.1*	49 4.980	-0.0005	12	-42 14 28.82	0.002	12	0.66	4.908	28	99.3	28.92	26	99.3		CZ	9894	P -41 5609
71	9.7E	8.9Z	49 5.043	-0.0036	12	-41 45 51.64	-0.007	12	0.74	5.223	45	00.3	51.31	45	00.3		CZ	9895	P -41 5610
72	8.8E	8.5Z	49 6.338	-0.0082	12	-48 27 26.82	-0.013	12	0.72	6.728	45	02.2	26.20	45	02.2	G0	CZ	9897	P -48 4886
73	7.6T	9.8Z	49 9.862	-0.0046	16	-40 1 45.84	-0.031	12	0.71	10.076	24	03.4	44.32	22	00.1	K0	GC	16237	C* -39 7341
74	9.2E	9.3Z	49 9.895	-0.0028	12	-43 17 22.95	0.011	12	0.70	10.024	45	04.4	23.47	45	04.4	A	CZ	9898	P -42 5539
75	8.8E	8.0Z	49 15.686	-0.0001	12	-40 58 11.88	0.012	12	0.85	15.703	63	00.3	12.45	57	00.3	F5	CZ	9899	P -40 5422
76	10.9E	9.5Z	49 15.992	-0.0013	12	-47 29 0.38	-0.028	12	0.66	15.954	31	00.9	-59.00	28	00.9	F8	CZ	9901	P -47 5204
77	9.0E	8.3Z	49 29.781	-0.0041	12	-43 40 47.28	-0.029	12	0.70	29.950	45	04.4	45.95	45	04.4	G5	CZ	9902D	P* -43 5582
78		7.2T	49 33.618	-0.0007	17	-49 7 23.14	-0.012	13	0.76	33.652	17	02.3	22.54	18	98.8	B8	GC	16244	C -48 6899
79	8.9E	8.9Z	49 39.888	0.0001	12	-49 1 20.30	-0.031	12	0.72	39.862	45	02.2	18.83	45	02.2	F5	CZ	9904	P -48 4274
80	8.2E	8.0Z	50 12.803	-0.0005	12	-48 23 12.51	0.009	12	0.85	12.826	31	01.2	12.94	28	01.2	F8	CZ	9908D	P* -47 5209
81	10.0E	9.0Z	50 16.018	-0.0033	12	-45 47 52.77	0.007	12	0.65	16.178	31	00.9	53.11	28	00.9	K0	CZ	9910	P -45 5657
82	9.7E	9.2*	50 22.674	-0.0036	12	-47 59 28.23	-0.011	12	0.66	22.849	31	00.9	25.68	28	00.9	K2	CZ	9911	P -47 5212
83	9.7E	9.0Z	50 23.549	-0.0009	12	-46 17 15.72	-0.038	12	0.72	23.590	45	02.8	13.92	45	02.8	G5	CZ	9912	P -45 5658
84	8.2E	7.8Z	50 25.771	-0.0040	12	-41 30 8.91	-0.024	12	0.66	25.976	28	99.2	7.71	26	99.2	A2	CZ	9914	P -41 5615
85	8.4E	8.6*	50 29.820	-0.0049	12	-49 43 34.90	0.004	12	0.64	30.059	28	01.6	35.11	26	01.6	A2	CZ	9916	P -49 4585
86	9.3E	9.0Z	50 33.702	-0.0081	12	-45 12 21.55	0.037	12	0.64	33.990	28	02.9	23.09	26	02.9	G5	CZ	9917	P -44 5736
87	11.1E	9.5*	50 40.030	-0.0023	12	-47 6 14.71	-0.033	12	0.85	40.140	31	01.3	13.10	28	01.3		CZ	9918	P 746 5547
88	8.8E	8.0Z	50 59.978	0.0004	12	-48 57 6.85	0.001	12	0.73	59.955	45	01.3	6.71	45	01.3	B8	CZ	9921	P -48 4291
89	7.9E	7.8Z	51 4.198	0.0008	12	-46 27 50.17	0.006	12	0.65	3.874	31	01.3	50.47	28	01.3	G5	CZ	9922	P -46 5549
90	9.1E	9.1Z	51 4.532	-0.0005	12	-48 42 2.71	-0.012	12	0.73	4.559	45	01.3	2.11	45	01.3	A0	CZ	9923	P -48 4294
91	8.9E	8.0Z	51 7.118	-0.0016	12	-49 2 31.66	-0.009	12	0.73	7.194	45	01.3	31.24	45	01.3	A0	CZ	9924	P -48 4297
92	10.2E	9.0Z	51 17.798	-0.0027	12	-41 6 34.49	-0.032	12	0.85	17.932	63	00.3	32.88	57	00.3	G5	CZ	9925	P -40 5442
93	8.3E	8.2Z	51 19.304	-0.0008	12	-43 30 38.68	-0.019	12	0.70	19.269	45	04.4	37.82	45	04.4	A0	CZ	9926	P -43 5589
94	9.2E	8.4Z	51 22.122	-0.0004	12	-42 30 7.06	-0.058	12	0.67	22.145	28	98.7	4.10	26	98.7	F5	CZ	9927	P -42 5553
95	8.7E	8.5Z	51 29.957	0.0006	12	-41 8 38.18	-0.019	12	0.85	29.929	63	00.3	37.22	57	00.3	A0	CZ	9928	P -40 5443
96	9.5E	9.0Z	51 34.319	-0.0017	12	-48 54 14.89	-0.012	12	0.73	34.401	45	01.3	14.32	45	01.3	A0	CZ	9930	P -48 4307
97	8.6E	8.6*	51 41.645	-0.0045	12	-45 32 34.23	-0.011	12	0.65	41.866	31	00.9	33.69	28	00.9	F0	CZ	9931	P -45 5673
98	8.4E	8.0Z	51 51.901	-0.0013	12	-46 12 47.65	-0.040	12	0.68	51.963	36	01.7	45.72	36	01.7	G5	CZ	9933	P -45 5676
99		7.5T	51 58.032	-0.0011	13	-41 45 59.74	0.009	10	0.65	58.087	19	98.4	+ 0.25	18	93.7	K5	GC	16262	C -41 6837
00	8.6E	8.8*	52 4.160	-0.0002	12	-44 48 12.48	0.002	12	0.63	4.171	28	02.3	12.58	26	02.3	A0	CZ	9935	P -44 5740

223100			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-40° 11H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	9.6E	8.0Z	11 52 5.233	-0.0023	12	-43 22 47.78	-0.020	12	0.66		5.342	36	03.3	46.87	36	03.3	K5	CZ	9936	P -42 5557
2	10.5E	9.5Z	52 6.117	-0.0023	12	-41 59 36.07	-0.017	12	0.74		6.232	45	00.3	37.23	45	00.3		CZ	9937	P -41 5628
3	10.8E	9.0Z	52 7.614	-0.0037	12	-49 34 39.85	-0.043	12	0.72		7.791	45	02.3	37.81	45	02.3	K0	CZ	9938	P -49 4622
4	8.1E	7.8Z	52 16.514	-0.0049	12	-42 6 59.96	-0.006	12	0.69		16.758	36	00.3	59.66	36	00.3	F0	CZ	9939D	P*-41 5629
5	8.9E	7.8Z	52 18.085	0.0009	12	-43 19 57.93	-0.011	12	0.63		18.043	26	01.6	57.41	24	01.6	K0	CZ	9940	P -42 5559
6	10.8E	9.5Z	52 26.081	-0.0020	12	-49 50 5.81	-0.007	12	0.72		26.178	45	02.3	5.48	45	02.3	A0	CZ	9941	P -49 4630
7	9.8E	9.0Z	52 27.002	-0.0006	12	-40 57 40.48	-0.027	12	0.66		27.034	28	99.3	39.09	26	99.3	F8	CZ	9942	P -40 5446
8		8.5T	52 28.521	-0.0051	22	-42 3 30.57	-0.020	20	1.02		28.760	19	02.8	29.60	18	01.6	F2	GC	16292	C -41 6845
9	11.4E	10.0*	52 30.550	-0.0023	12	-42 52 50.84	-0.006	12	0.65		30.667	26	99.6	50.55	24	99.6		CZ	9944	P -42 5562
10	8.8E	8.5Z	52 30.903	-0.0028	12	-48 27 41.32	-0.009	12	0.73		31.038	45	01.3	40.87	45	01.3	F2	CZ	9945	P -48 4321
11	9.1E	9.3Z	52 37.497	-0.0027	12	-42 19 1.17	0.003	12	0.69		37.633	36	00.3	1.32	36	00.3	A0	CZ	9946	P -41 5633
12	10.0E	8.8*	52 40.785	-0.0014	12	-43 43 34.18	-0.013	12	0.62		40.854	26	01.8	33.57	24	01.8	K5	CZ	9947	P -43 5594
13	9.8E	9.0Z	52 41.738	-0.0010	12	-49 55 27.50	-0.006	12	0.72		41.788	45	02.3	27.22	45	02.3	A5	CZ	9948	P -49 4637
14	11.6E	9.8H	52 42.612	-0.0004	12	-49 55 23.65	-0.009	12	0.72		42.633	45	02.3	23.22	45	02.3	A5	CZ	9949	P -49 4637
15		7.3T	52 51.295	0.0030	22	-41 37 31.47	-0.015	20	1.01		51.153	19	03.2	30.75	18	02.1	A2	GC	16304K	C*-41 6849
16	8.4E	9.0Z	53 14.039	-0.0006	12	-44 13 54.50	0.008	12	0.69		14.061	45	05.2	54.86	45	05.2	A0	CZ	9954	P -43 5597
17	11.5E	9.0Z	53 31.745	-0.0024	12	-42 29 35.17	-0.010	12	0.66		31.868	28	99.4	34.66	26	99.4		CZ	9956	P -42 5565
18	10.5E	9.0Z	53 32.011	-0.0003	12	-48 5 59.38	-0.023	12	0.66		32.024	31	00.9	58.24	28	00.9	K0	CZ	9957	P -47 5234
19	9.4E	9.5Z	53 33.774	-0.0007	12	-45 49 44.18	-0.031	12	0.73		33.806	45	01.9	42.69	45	01.9	F8	CZ	9958	P -45 5690
20	8.5E	8.0Z	53 37.944	-0.0030	12	-49 35 2.04	-0.006	12	0.65		38.091	31	01.3	1.76	28	01.3	B9	CZ	9959	P -49 4651
21	8.7E	8.5Z	53 53.981	-0.0023	12	-48 30 59.99	-0.002	12	0.73		54.094	45	01.3	59.88	45	01.3	A3	CZ	9960	P -48 4333
22	9.5E	9.0*	53 58.032	-0.0026	12	-46 3 36.40	-0.015	12	0.66		58.158	31	00.7	35.65	28	00.7	A0	CZ	9961	P -45 5696
23	9.9	8.7W	54 3.295	-0.0005	13	-40 4 59.30	-0.024	13	0.26		3.302	15	35.4	58.95	21	35.4	K0	CB	5622	C -39 7376
24	10.1E	8.5Z	54 4.521	-0.0003	12	-40 22 32.99	-0.007	12	0.67		4.539	28	98.4	32.65	26	98.4	K0	CZ	9964	P -39 5321
25	10.0E	8.8H	54 6.385	-0.0000	12	-45 16 7.27	-0.031	12	0.70		6.387	45	04.9	5.88	45	04.9	K5	CZ	9965	P -44 5757
26	9.2E	9.1H	54 11.154	-0.0007	12	-45 25 29.15	-0.016	12	0.73		11.189	45	01.9	28.38	45	01.9	A	CZ	9966	P -45 5698
27		6.4T	54 12.165	-0.0126	14	-46 47 39.63	0.013	10	0.65		12.786	19	00.9	40.33	18	96.2	F2	GC	16335	C -46 7521
28	10.6E	8.0Z	54 13.055	-0.0012	12	-40 39 44.98	-0.017	12	0.85		13.116	63	00.3	44.16	57	00.3	K5	CZ	9967	P -40 5454
29		8.5T	54 43.725	-0.0109	26	-48 27 54.27	-0.036	22	1.12		44.223	21	04.4	52.60	19	03.7	G0	GC	16349	C -48 6982
30		6.7T	54 48.860	-0.0173	12	-49 4 54.28	-0.028	12	0.65		49.730	19	99.7	52.84	18	97.9	A3	GC	16351	C -48 6984
31	9.0E	8.0Z	54 54.337	-0.0045	12	-48 22 49.20	-0.018	12	0.73		54.555	45	01.3	48.32	45	01.3	G5	CZ	9973	P -47 5244
32	9.1E	8.8*	54 59.581	-0.0044	12	-49 56 33.23	-0.016	12	0.65		59.796	31	01.3	32.45	28	01.3	A3	CZ	9974	P -49 4668
33	10.3E	9.8*	55 7.251	-0.0012	12	-44 27 19.52	-0.023	12	0.64		7.308	31	02.7	18.43	28	02.7		CZ	9975	P -44 5763
34	9.1E	9.0Z	55 13.273	-0.0015	12	-45 3 41.48	-0.003	12	0.64		13.346	31	02.7	41.34	28	02.7	A3	CZ	9976D	P*-44 5764
35	8.5E	9.0Z	55 14.577	-0.0025	12	-46 30 29.86	-0.018	12	0.72		14.693	45	02.8	29.00	45	02.8	A2	CZ	9977	P -46 5588
36	7.7E	7.8Z	55 17.314	0.0005	12	-43 26 30.81	-0.019	12	0.63		17.292	28	02.6	29.93	26	02.6	A0	CZ	9978	P -43 5608
37	9.3E	9.0Z	55 21.239	0.0007	12	-41 17 34.90	-0.046	12	0.74		21.206	45	00.3	32.59	45	00.3	F5	CZ	9979	P -40 5462
38		6.9T	55 43.487	-0.0126	12	-47 41 51.84	-0.104	12	0.65		44.114	19	00.3	46.49	18	98.6	F5	GC	16372	C -47 7273
39		6.8T	55 47.536	-0.0054	13	-40 40 8.68	0.017	10	0.67		47.802	19	00.5	9.56	15	96.7	K0	GC	16374K	C*-40 7041
40	8.7E	8.5Z	55 53.306	-0.0062	12	-49 58 29.08	-0.028	12	0.72		53.603	45	02.3	27.74	45	02.3	K0	CZ	9983	P -49 4688
41	8.2E	8.5Z	55 55.494	0.0015	12	-47 34 21.78	-0.028	12	0.65		55.418	31	00.9	20.40	28	00.9	B9	CZ	9984D	P*-47 5258
42	9.7E	9.0Z	55 58.320	-0.0701	12	-41 38 24.94	-0.269	12	0.74	+	1.802	45	00.3	10.56	45	00.3	G5	CZ	9985	P -41 5653
43	8.3E	7.5Z	56 2.227	-0.0050	12	-43 9 33.83	-0.014	12	0.66		2.482	28	99.3	33.13	26	99.3	F5	CZ	9986	P -42 5583
44	9.1E	9.6Z	56 7.740	-0.0024	12	-49 47 50.28	-0.015	12	0.72		7.856	45	02.3	49.57	45	02.3	A0	CZ	9987	P -49 4697
45	10.4E	9.0Z	56 11.179	-0.0012	12	-41 28 7.90	-0.015	12	0.74		11.240	45	00.3	7.18	45	00.3	K5	CZ	9988	P -41 5654
46	8.6E	8.0Z	56 13.463	-0.0019	12	-48 21 48.83	-0.028	12	0.73		13.554	45	01.3	47.46	45	01.3	K0	CZ	9989	P -47 5261
47	9.0E	9.0Z	56 18.935	-0.0014	12	-41 35 45.78	-0.014	12	0.66		19.008	28	99.3	45.09	26	99.3	A2	CZ	9990	P -41 5655
48	9.5E	8.5Z	56 19.976	-0.0024	12	-43 6 14.18	-0.011	12	0.74		20.095	45	00.8	13.65	45	00.8	A0	CZ	9991	P -42 5584
49	9.4E	9.0Z	56 21.237	-0.0092	12	-43 22 3.10	-0.089	12	0.69		21.650	45	05.2	-59.13	45	05.2	F	CZ	9992	P -42 5585
50	8.3E	8.5Z	56 30.463	-0.0033	12	-48 3 47.39	-0.006	12	0.66		30.623	31	00.9	47.09	28	00.9	A0	CZ	9993	P -47 5265
51		6.6T	11 56 37.720	-0.0026	12	-45 33 13.05	-0.010	11	0.63		37.848	18	99.9	12.52	18	97.0	A0	GC	16388	C -45 7438
52		7.6T	56 55.214	-0.0014	15	-48 51 42.58	-0.007	13	0.73		55.283	19	01.0	42.23	18	98.6	A0	GC	16398	C -48 7018
53	9.2E	8.5Z	56 56.444	-0.0006	12	-49 5 11.55	-0.007	12	0.68		56.471	36	02.0	11.23	36	02.0	K2	CZ	9999	P -48 4387
54	9.1E	9.4Z	57 1.665	-0.0004	12	-49 32 18.72	-0.006	12	0.73		1.686	45	01.8	18.44	45	01.8	A3	CZ	10002	P -49 4719
55		6.7T	57 1.886	0.0038	10	-46 21 16.16	-0.005	07	0.39		1.725	15	08.2	15.92	14	02.6	F8	GC	16401	C -45 7444
56	9.5E	8.0Z	57 8.358	-0.0018	12	-47 57 37.33	-0.004	12	0.67		8.441	36	02.6	37.13	36	02.6	K5	CZ	10004	P -47 5275
57	9.1E	8.0Z	57 19.728	-0.0009	12	-48 1 42.80	-0.003	12	0.67		19.769	36	02.6	42.65	36	02.6	K2	CZ	10005	P -47 5276
58	9.0E	8.8Z	57 20.926	0.0022	12	-41 28 26.69	-0.044	12	0.65		20.816	28	99.1	24.48	24	99.1	F0	CZ	10006	P -41 5664
59	9.3E	8.5Z	57 22.281	-0.0114	12	-48 27 33.80	-0.091	12	0.68		22.826	36	02.0	38.16	36	02.0	G5	CZ	10007	P -48 4393
60	9.7E	8.5Z	57 25.551	0.0041	12	-41 48 51.88	-0.049	12	0.65		25.344	26	99.1	49.39	24	99.1	F8	CZ	10008	P -41 5666
61		8.4T	57 30.848	-0.0184	20	-46 30 16.37	-0.093	17	0.89		31.716	19	02.9	11.84	19	01.3	G5	GC	16409	C -46 7569
62	10.0E	9.0Z	57 34.871	0.0006	12	-48 29 36.01	-0.011	12	0.68		34.840	36	02.0	35.47	36	02.0	G5	CZ	10011	P -48 4394
63		8.1T	57 35.837	-0.0074	10	-44 34 56.75	-0.030	08	0.41		36.142	15	08.8	55.41	15	05.1	F8	GC	16413	C -44 7695
64	10.2E	9.7*	57 38.177	-0.0008	12	-45 1 8.80	-0.007	12	0.63		38.218	28	01.9	8.47	26	01.9	A0	CZ	10014	P -44 5776
65		7.7T	57 46.175	-0.0013	22	-47 22 38.45	-0.030	20	1.00		46.237	21	04.1	37.05	19	03.3	K0	GC	16415	C -46 7571
66	9.6	9.5W	58 12.488	-0.0071	13	-40 4 35.01	-0.038	13	0.26		12.593	15	35.4	34.45	21	35.4	A2	CB	5657	C -39 7419
67		8.0T	58 14.647	0.0001	14	-49 17 24.64	-0.011	10	0.66		14.642	18	01.2	24.06	21	96.0	K0	GC	16422	C -48 7034
68	8.2E	8.0Z	58 16.101	-0.0146	12	-48 7 28.43	-0.032	12	0.67		16.791	36	02.6	26.91	36	02.6	F8	CZ	10017	P -47 5282
69	9.8E	9.3*	58 27.810	-0.0039	12	-49 24 3.47	-0.013	12	0.65		28.000	31	00.9	2.84	28	00.9	A2	CZ	10018	P -48 4409
70	9.3E	8.9Z	58 30.866	-0.0004	12	-46 2 6.81	-0.019	12	0.73		30.884	45	01.3	5.89	45	01.3	K0	CZ	10019	P -45 5736
71	10.1E	9.3*	58 43.497	-0.0040	12	-43 9 11.08	-0.017	12	0.66		43.701	28	99.1	10.23	26	99.1	F5	CZ	10023	P -42 5607
72	10.4E	9.7*	58 43.564	0.0005	12	-45 29 0.55	-0.013	12	0.66		43.540	31	00.3	-59.90	28	00.3		CZ	10022	P -45 5741
73	9.5E	9.0Z	58 59.465	-0.0117	12	-49 41 41.77	-0.017	12	0.73	+	0.031	45	01.8	40.96	45	01.8	G5	CZ	10024	P -49 4748
74	9.4E	9.5Z	59 3.179	-0.0033	12	-45 43 36.70	-0.016	12	0.73		3.342	45	01.3	35.91	45	01.3	A5	CZ	10025	P -45 5743
75		7.6T	59 10.390	-0.0030	10	-41 33 2.17	-0.024	08	0.42		10.515	15	07.8	1.07	14	04.3	A2	GC	16440K	C*-41 6916
76	8.6E	8.0Z	59 10.879	-0.0019	12	-47 55 47.68	-0.011	12	0.72		10.967	45	02.8	47.15	45	02.8	K0	CZ	10029	P -47 5291
77	9.3E	8.5Z	59 25.708	-0.0011	12	-49 53 7.25	-0.020	12	0.73		25.763	45	01.8	6.29	45	01.8	A2	CZ	10031	P -49 4754
78	9.1E	9.5Z	59 29.845	-0.0006	12	-44 7 47.94	-0.023	12	0.66		29.875	28	99.3	46.78	26	99.3	A0	CZ	10033	P -43 5628
79		9.2T	59 40.318	-0.0235	26	-48 26 45.68	-0.009	26	1.17		41.377	21	05.0	45.27	21	05.0	G5	GC	16446	C -48 7070
80	9.3E	9.5Z	59 46.213	-0.0025	12	-45 53 17.75	-0.029	12	0.73		46.334	45	01.3	16.34	45	01.3	A3	CZ	10036	P -45 5748
81	9.9E	9.4Z	59 49.749	0.0018	12	-43 7 9.84	-0.038	12	0.74		49.660	45	00.3	7.97	45	00.3	G5	CZ	10037	P -42 5613
82	9.0E	9.3Z	12 0 2.886	-0.0004	12	-49 48 21.93	-0.013	12	0.73		2.906	45	01.8	21.31	45	01.8	A0	CZ	10038	P -49 4764
83	10.4E	9.0Z	0 6.648	-0.0039	12	-41 30 35.49	-0.022	12	0.74		6.845	45	99.9	34.41	45	99.9	G5	CZ	10039	P -41 5688
84	9.3E	8.8*	0 13.713	-0.0020	12	-46 47 41.21	-0.007	12	0.66		13.810	31	00.9	40.86	28	00.9	K5	CZ	10041	P -46 5634
85	10.9E	9.1*	0 13.737	-0.0007	12	-42 29 40.99	-0.019	12	0.66		13.774	28	99.2	40.02	26	99.2	K2	CZ	10040	P -42 5616
86	9.3E	8.0Z	0 21.877	-0.0015	12	-41 53 26.89	-0.013	12	0.67		21.955	28	98.7	26.28	26	98.7	K2	CZ	10042	P -41 5690
87	9.3E	8.0Z	0 26.987	-0.0034	12	-43 3 31.54	0.040	12	0.66		27.160	28	99.3	33.78	26	99.3	K0	CZ	10043	P -42 5619
88	9.7E	9.0Z	0 27.720	-0.0073	12	-48 59 34.13	-0.007	12	0.73		28.069	45	01.9	33.81	45	01.9	G0	CZ	10044	P -48 4445
89		7.6T	0 29.593	0.0004	15	-49 22 32.29	-0.024	11	0.69		29.574	10	01.2	30.98	19	94.9	A0	GC	16464	C -48 7081
90	9.1E	9.0Z	0 32.114	-0.0076	12	-46 14 56.61	0.005	12	0.66		32.490	31	00.3	56.86	28	00.3	G0	CZ	10047D	P*-45 5752
91		6.8T	0 32.245	-0.0002	11	-47 54 59.54	-0.015	08	0.42		32.254	15	09.0	58.86	15	05.4	A2	GC	16465	C*-47 7335
92	8.9E	8.5Z	0 36.358	-0.0019	12	-48 54 38.87	-0.012	12	0.73		36.447	45	01.9	38.31	45	01.9	A2	CZ	10048	P -48 4447
93		5.3H	1 3.711	0.0293	03	-42 9 14.82	-0.122	03	0.11		2.754	05	17.4	10.83	05	17.3	F0	F4	449	C -41 6938
94	10.1E	9.0Z	1 10.302	-0.0012	12	-49 32 2.48	-0.012	12	0.73		10.362	45	01.8	1.91	45	01.8	K0	CZ	10052	P -49 4786
95	9.9E	8.5Z	1 12.758	0.0099	12	-43 50 24.20	-0.004	12	0.74		12.265	45	00.3	24.00	45	00.3	F8	CZ	10054	P -43 5639
96	10.0E	9.0Z	1 15.023	-0.0021	12	-47 8 45.56	-0.012	12	0.66		15.125	31	00.9	44.97	28	00.9	K0	CZ	10055	P -46 5651
97	10.7E	9.8Z	1 24.063	-0.0014	12	-49 10 33.05	-0.005	12	0.65		24.130	31	01.0	32.82	28	01.0	F2	CZ	10057	P -48 4461
98	9.4E	9.2Z	1 28.955	-0.0045	12	-47 49 39.50	-0.000	12	0.72		29.166	45	02.8	39.49	45	02.8	A5	CZ	10058	P -47 5314
99	8.5E	7.9Z	1 29.961	-0.0009	12	-41 25 51.88	-0.022	12	0.67		30.008	28	98.8	50.73	26	98.8	A0	CZ	10060	P -41 5704
00	9.9E	9.5Z	1 30.341	0.0069	12	-48 40 26.53	-0.042	12	0.73		30.011	45	01.9	24.30	45	01.9	G0	CZ	10059	P -48 4462

223200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ".001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 12H DM NUMBER
1	9.8E	9.0Z	12 1 30.863	0.0003	12	-47 5 18.74	-0.012	12	0.72	30.847	45	02.2	18.16	45	02.2	G5	CZ	10061	P -46 5655
2	10.0E	9.3Z	1 40.179	-0.0070	12	-40 31 25.68	-0.027	12	0.67	40.539	28	98.7	27.04	28	98.7		CZ	10063	P -40 5512
3	8.3E	8.4Z	1 58.754	-0.0022	12	-49 45 40.94	-0.080	12	0.85	59.063	31	00.9	38.01	28	00.9	A2	CZ	10065	P -49 4802
4	10.3E	9.1Z	2 16.731	-0.0006	12	-47 23 43.17	-0.021	12	0.63	16.759	28	01.8	42.15	28	01.8	K0	CZ	10071	P -46 5663
5	9.8E	9.0Z	2 24.859	-0.0005	12	-45 55 4.54	-0.028	12	0.85	24.883	28	00.3	3.15	28	00.3	K2	CZ	10073	P -45 5765
6		6.8T	2 44.955	-0.0005	15	-49 59 31.76	0.001	10	0.67	44.977	22	01.8	31.82	19	94.2	K0	GC	16515	C -49 6776
7		7.3T	2 45.278	-0.0052	15	-48 43 42.41	-0.010	11	0.85	45.521	18	03.2	41.92	19	99.5	K0	GC	16516	C -48 7126
8	9.8E	9.0M	2 47.655	-0.0011	12	-48 1 56.38	-0.017	12	0.63	47.707	28	01.9	55.58	28	01.9	A0	CZ	10077	P -47 5330
9	9.5	9.0M	2 51.480	0.0033	15	-40 8 1.76	-0.049	13	0.28	51.432	15	35.4	1.09	21	35.4	G5	C0	9884	C -38 7453
10	10.4E	9.0M	2 51.934	-0.0062	12	-40 34 38.07	0.005	12	0.86	52.245	63	98.3	38.32	57	98.3	G5	CZ	10080	P -40 5518
11	9.7E	8.8Z	2 54.842	-0.0009	12	-42 6 9.51	-0.012	12	0.67	54.880	28	98.3	8.91	28	98.3	A0	CZ	10081	P -41 5712
12	9.7E	8.8M	3 7.946	-0.0014	12	-40 32 10.60	-0.015	12	0.68	8.020	28	97.6	9.81	28	97.6	G5	CZ	10082	P -40 5520
13	9.8E	9.0Z	3 19.803	0.0034	12	-49 34 30.36	-0.027	12	0.64	19.644	31	02.7	29.07	28	02.7	F8	CZ	10085	P -49 4828
14	9.8E	9.3Z	3 21.078	0.0039	12	-49 34 25.93	-0.021	12	0.70	20.902	45	04.3	24.95	45	04.3	F8	CZ	10086	P -49 4828
15	9.7E	9.0Z	3 30.164	-0.0011	12	-45 36 43.16	-0.012	12	0.73	30.239	45	01.3	42.61	45	01.3	A2	CZ	10087	P -45 5773
16	9.4E	8.5Z	3 33.353	-0.0211	12	-49 57 58.54	0.035	12	0.70	34.318	45	04.3	0.16	45	04.3	G5	CZ	10088	P -49 4833
17	9.8E	9.4M	3 39.444	-0.0014	12	-46 34 57.34	-0.001	12	0.65	39.510	31	01.3	57.30	28	01.3	F0	CZ	10089	P -46 5679
18	8.9E	8.0Z	3 39.841	-0.0009	12	-44 14 1.45	-0.012	12	0.65	39.888	24	98.7	0.86	20	98.7	K2	CZ	10090	P -43 5661
19	9.4E	8.5Z	3 41.037	0.0010	12	-48 58 47.92	-0.054	12	0.64	40.989	31	02.7	45.35	28	02.7	K2	CZ	10091	P -48 4507
20		9.8T	4 11.071	-0.0028	16	-44 13 29.77	-0.047	13	0.73	11.201	24	01.7	27.50	24	01.7	K0	GC	16548	C -43 7481
21	10.2E	9.8M	4 14.689	-0.0019	12	-47 10 38.75	-0.012	12	0.65	14.780	31	01.3	38.18	28	01.3	A2	CZ	10092	P -46 5683
22	9.7E	9.7M	4 23.756	-0.0022	12	-40 33 21.63	-0.011	12	0.69	23.872	31	97.7	21.25	28	97.7	A0	CZ	10093	P -40 5528
23	10.2E	9.5Z	4 43.290	-0.0012	12	-42 57 1.19	-0.000	12	0.73	43.351	45	99.4	1.17	45	99.4		CZ	10096	P -42 5643
24		7.3T	4 47.522	-0.0017	10	-42 58 5.90	-0.010	08	0.42	47.593	14	06.7	5.46	14	04.3	F2	GC	16560	P -42 7433
25	10.5E	9.5M	4 52.258	0.0023	12	-43 33 13.79	-0.004	12	0.67	52.141	28	98.7	13.57	28	98.7		CZ	10098	P -43 5670
26		7.2T	4 57.196	-0.0031	10	-45 18 10.53	-0.008	08	0.41	57.327	15	08.1	10.16	14	04.3	A0	GC	16565	C -44 7791
27		10.2T	5 9.428	0.0025	16	-44 27 26.49	-0.106	13	0.73	9.313	24	03.7	21.37	24	01.7		GC	16571	C -44 7793
28	8.5E	7.5Z	5 16.474	-0.0030	12	-49 41 39.16	-0.011	12	0.70	16.612	45	04.3	38.64	45	04.3	K0	CZ	10101	P -49 4862
29	9.7E	9.0Z	5 16.923	0.0050	12	-42 3 30.02	-0.123	12	0.67	16.667	28	98.3	23.69	28	98.3	G5	CZ	10103	P -41 5731
30	9.7E	9.0Z	5 20.083	-0.0022	12	-44 7 12.24	-0.026	12	0.75	20.194	45	99.4	10.95	45	99.4	A5	CZ	10104	P -43 5674
31	10.1E	9.0Z	5 22.644	-0.0037	12	-45 6 31.83	-0.004	12	0.67	22.834	31	99.4	31.65	28	99.4	K2	CZ	10105	P -44 5830
32	8.9E	8.4Z	5 25.084	-0.0014	12	-44 32 28.02	-0.006	12	0.74	25.154	45	99.9	27.74	45	99.9	K5	CZ	10106	P -44 5833
33	9.3E	9.0Z	5 31.559	-0.0015	12	-49 43 50.92	-0.004	12	0.70	31.630	45	04.3	50.72	45	04.3	A0	CZ	10109	P -49 4869
34	9.8E	8.2Z	5 33.767	-0.0018	12	-41 31 50.80	-0.018	12	0.68	33.861	28	98.1	49.86	28	98.1	K0	CZ	10110	P -41 5735
35		5.6T	5 38.779	-0.0027	07	-48 24 51.00	-0.020	06	0.30	38.892	10	08.4	50.10	10	05.2	A0	GC	16581	C+ -47 7396
36	9.4E	9.0M	6 2.797	-0.0014	12	-40 30 17.59	-0.001	12	0.68	2.870	28	97.8	17.53	28	97.8	A2	CZ	10116	P -40 5540
37	9.7E	8.8Z	6 7.079	0.0003	12	-42 43 22.41	-0.026	12	0.75	7.066	45	99.4	21.11	45	99.4	F8	CZ	10117	P -42 5651
38	7.6E	8.0Z	6 7.148	-0.0018	12	-44 36 51.65	-0.009	12	0.74	7.239	45	99.9	51.18	45	99.9	A0	CZ	10118	P -44 5839
39	10.3E	9.0Z	6 10.256	-0.0013	12	-48 6 13.95	-0.006	12	0.65	10.317	31	01.7	13.67	28	01.7	K5	CZ	10119	P -47 5359
40	10.4E	8.5Z	6 11.111	-0.0022	12	-42 29 41.53	-0.003	12	0.75	11.224	45	99.4	41.40	45	99.4	K2	CZ	10120	P -42 5652
41		5.9T	6 18.096	-0.0046	08	-44 2 49.88	-0.053	05	0.30	18.286	10	08.9	47.41	09	03.2	A2	GC	16592	C -43 7502
42		5.6T	6 18.899	-0.0025	09	-40 57 11.30	-0.010	07	0.35	18.996	14	11.1	10.85	12	06.7	B3	GC	16593	C+ -40 7128
43	10.0E	9.1Z	6 32.887	-0.0017	12	-49 32 25.06	-0.009	12	0.70	32.966	45	04.3	26.63	45	04.3	K0	CZ	10124	P -49 4888
44	8.4E	8.0Z	6 44.709	-0.0040	12	-42 33 35.89	-0.007	12	0.67	44.916	28	98.6	35.55	28	98.6	F8	CZ	10125	P -42 5658
45			6 47.574	-0.0018	12	-45 8 53.09	-0.012	12	0.74	47.666	45	99.9	52.52	45	99.9	G0	CZ	10126Y	P -44 5847
46	10.3E	9.6M	6 54.613	0.0002	12	-46 11 53.48	-0.019	12	0.65	54.602	28	00.8	52.56	26	00.8	F0	CZ	10129	P -45 5800
47	9.4E	9.5Z	6 56.849	-0.0025	12	-44 36 15.43	-0.007	12	0.74	56.994	45	99.9	15.10	45	99.9	A5	CZ	10130	P -44 5850
48	9.9E	9.0Z	6 57.940	-0.0017	12	-48 28 12.39	-0.022	12	0.66	58.018	36	03.7	11.38	36	03.7	A3	CZ	10131	P -48 4554
49	9.2E	9.4Z	7 18.385	-0.0017	12	-49 13 24.68	-0.011	12	0.66	18.462	36	03.7	24.16	36	03.7	A0	CZ	10136	P -48 4564
50	9.4E	8.3Z	7 20.390	-0.0363	12	-45 55 43.91	-0.081	12	0.68	22.144	36	01.6	40.00	36	01.6	K2	CZ	10138	P -45 5806
51	10.1E	9.5Z	12 7 20.469	-0.0041	12	-41 58 7.13	-0.007	12	0.66	20.702	28	98.5	6.79	24	98.5	F8	CZ	10137	P -41 5745
52	9.9E	9.3Z	7 27.548	-0.0018	12	-49 17 33.32	-0.006	12	0.70	27.629	45	04.3	33.03	45	04.3	A0	CZ	10139	P -48 4568
53	9.0E	8.3Z	7 28.328	-0.0070	12	-43 16 48.59	-0.005	12	0.70	28.683	36	99.4	48.32	36	99.4	F8	GC	10140	P -42 5663
54		6.5T	7 30.382	-0.0178	26	-48 54 5.26	-0.045	26	1.17	31.183	21	05.0	3.25	21	05.0	G5	GC	16615	C -48 7198
55	8.9E	9.0Z	7 34.881	-0.0033	12	-46 42 33.52	-0.028	12	0.64	35.039	28	01.5	32.18	28	01.5	A3	CZ	10145	P -46 5721
56	8.8E	8.9M	7 36.465	-0.0047	12	-47 48 34.34	-0.007	12	0.63	36.690	28	01.8	34.02	28	01.8	F0	CZ	10146	P -47 5379
57	10.4E	8.8Z	7 39.537	-0.0013	12	-43 8 53.60	-0.023	12	0.66	39.605	28	98.9	52.41	28	98.9	K5	CZ	10147	P -42 5665
58	9.5E	9.1Z	7 46.298	-0.0095	12	-43 35 33.86	-0.007	12	0.66	46.785	28	98.9	33.49	28	98.9	G5	CZ	10148	P -43 5692
59	9.7E	9.5Z	7 49.736	-0.0009	12	-44 32 52.58	-0.004	12	0.66	49.781	28	99.4	52.40	28	99.4	A5	CZ	10149	P -44 5855
60	9.1E	8.5Z	8 3.334	-0.0006	12	-46 15 3.19	-0.006	12	0.68	3.362	36	01.6	2.92	36	01.6	K0	CZ	10150	P -45 5816
61	10.7E	8.8Z	8 6.328	-0.0011	12	-41 45 12.09	-0.021	12	0.68	6.367	28	98.0	10.99	28	98.0	K0	CZ	10151	P -41 5749
62	10.5E	9.0M	8 10.266	-0.0002	12	-42 46 34.33	-0.009	12	0.67	10.276	28	98.7	33.88	28	98.7		CZ	10152	P -42 5667
63	8.8E	8.0Z	8 20.697	0.0001	12	-46 2 45.70	0.172	12	0.73	20.302	45	01.3	54.09	45	01.3	G0	CZ	10153	P -45 5819
64	9.3E	8.5Z	8 23.318	-0.0002	12	-40 49 34.05	-0.025	12	0.86	23.330	63	98.3	32.75	57	98.3	K2	CZ	10154	P -40 5558
65	8.7E	7.4M	8 24.271	-0.0045	12	-40 40 26.28	-0.008	12	0.86	24.504	63	98.3	25.86	57	98.3	K0	CZ	10155	P -40 5559
66		6.5T	8 26.375	-0.0020	12	-45 8 40.43	0.005	09	0.45	26.457	15	09.4	40.65	14	06.5	K0	GC	16634K	C+ -44 7845
67	9.1E	8.6M	8 27.292	-0.0151	12	-49 43 52.31	0.026	12	0.62	28.002	28	03.1	53.52	26	03.1	F5	CZ	10157	P -49 4923
68	9.4E	8.9Z	8 35.231	-0.0019	12	-46 6 54.68	-0.003	12	0.73	35.323	45	01.3	54.55	45	01.3	A3	CZ	10158	P -45 5821
69		6.6T	8 51.282	0.0125	08	-44 0 15.36	-0.049	06	0.33	50.771	12	09.0	13.07	12	03.1	F5	GC	16645	C -43 7524
70	8.7E	8.2M	9 3.484	-0.0025	12	-46 57 42.77	-0.002	12	0.65	3.604	31	01.3	42.69	28	01.3	K0	CZ	10163	P -46 5737
71	9.4E	9.0Z	9 10.365	-0.0026	12	-44 47 38.83	-0.010	12	0.74	10.495	45	99.9	38.31	45	99.9	K0	CZ	10163D	P+ -44 5873
72	8.6E	8.5Z	9 14.467	-0.0010	12	-44 50 13.32	-0.008	12	0.74	14.518	45	99.9	12.90	45	99.9	A0	CZ	10166	P -44 5874
73	9.0E	9.0M	9 22.284	-0.0033	12	-46 31 44.01	-0.002	12	0.65	22.423	31	01.3	43.93	28	01.3	K5	CZ	10170	P -46 5741
74	10.2E	9.5M	9 22.329	-0.0006	12	-49 2 32.64	-0.005	12	0.64	22.356	31	02.3	32.39	28	02.3	F0	CZ	10169	P -48 4602
75	8.8E	8.5Z	9 25.462	-0.0022	12	-49 32 34.73	-0.019	12	0.70	25.562	45	04.9	35.86	45	04.9	K0	CZ	10171	P -49 4941
76	8.7E	9.0Z	9 37.297	-0.0016	12	-46 8 14.13	-0.007	12	0.66	37.375	31	00.3	13.80	28	00.3	A0	CZ	10172	P -45 5828
77	9.1E	9.5Z	9 47.497	0.0007	12	-46 5 28.48	0.002	12	0.73	47.462	45	01.3	28.57	45	01.3	A3	CZ	10173	P -45 5830
78	8.9E	8.3Z	9 50.408	-0.0028	12	-43 43 17.17	-0.005	12	0.67	50.553	28	98.5	17.00	28	98.5	K0	CZ	10174	P -43 5705
79	9.7E	9.0Z	10 1.999	-0.0019	12	-45 15 3.01	-0.015	12	0.67	2.098	31	99.4	2.28	28	99.4	K0	CZ	10175	P -44 5878
80	9.0E	9.0M	10 6.621	-0.0080	12	-47 22 59.75	-0.009	12	0.65	6.912	31	01.3	59.33	28	01.3	F2	CZ	10176	P -46 5748
81	9.4E	10.0Z	10 14.776	-0.0040	12	-44 37 3.12	-0.016	12	0.74	14.976	45	99.9	2.34	45	99.9		CZ	10177	P -44 5879
82	9.1E	8.5Z	10 15.888	-0.0032	12	-44 36 50.52	-0.008	12	0.67	16.031	31	99.4	50.24	28	99.4	G5	CZ	10178	P -44 5880
83	11.4E	9.8M	10 19.148	-0.0038	12	-44 25 46.71	-0.017	12	0.74	19.341	45	99.9	45.83	45	99.9	G0	CZ	10180	P -44 5881
84	9.8E	9.2Z	10 19.190	-0.0030	12	-44 25 32.20	-0.015	12	0.74	19.340	45	99.9	31.43	45	99.9	G0	CZ	10181	P -44 5881
85	9.4E	8.8Z	10 36.588	-0.0023	12	-41 31 29.76	-0.005	12	0.76	36.685	45	98.9	29.50	45	98.9	F5	CZ	10182	P -41 5760
86	9.4E	8.0Z	10 41.628	0.0022	12	-48 56 15.73	-0.025	12	0.71	41.529	45	03.8	14.36	45	03.8	K2	CZ	10183	P -48 4618
87	10.0E	9.5Z	10 43.165	0.0001	12	-42 40 26.20	-0.016	12	0.67	43.161	28	98.4	25.39	28	98.4		CZ	10184	P -42 5681
88	10.3E	9.5Z	10 43.698	-0.0025	12	-40 37 18.84	0.005	12	0.86	44.028	63	98.3	18.49	57	98.3	A2	CZ	10185	P -40 5575
89	9.4E	9.0M	10 45.884	-0.0195	12	-45 20 52.58	0.037	12	0.73	46.834	45	01.3	54.40	45	01.3	G5	CZ	10186	P -44 5867
90	9.8E	9.0Z	10 52.515	0.0040	12	-48 31 3.03	-0.095	12	0.64	52.328	31	02.3	0.42	28	02.3	K0	CZ	10187	P -48 4620
91	9.0E	9.0Z	10 52.830	-0.0033	12	-44 53 46.35	-0.014	12	0.74	52.995	45	99.9	45.63	45	99.9	A3	CZ	10188	P -44 5889
92	9.3E	9.2Z	10 56.957	-0.0002	12	-49 37 16.84	0.015	12	0.70	56.988	45	04.9	17.51	45	04.9	F5	CZ	10189	P -49 4971
93	11.0E	9.5M	11 5.827	0.0001	12	-42 8 28.43	-0.014	12	0.67	5.823	28	98.3	27.72	28	98.3		CZ	10192	P -41 5761
94	9.0E	8.8Z	11 14.220	-0.0020	12	-45 48 31.55	-0.005	12	0.66	14.317	31	00.3	31.32	28	00.3	K0	CZ	10193	P -45 5840
95		7.9T	11 16.979	-0.0092	20	-40 35 37.98	-0.122	18	0.91	17.410	18	03.1	32.23	17	02.7	B9	GC	16700	C -40 7168
96	9.7E	9.1Z	11 19.998	-0.0000	12	-43 25 35.06	-0.026	12	0.75	19.997	45	99.4	33.63	45	99.4	F5	CZ	10195	P -43 5718
97		5.3T	11 25.272	-0.0043	10	-45 28 45.27	0.003	06	0.48	25.501	18	97.0	45.45	15	89.3	K0	GC	16703K	C+ -45 7630
98	10.1E	9.0Z	11 47.866	0.0003	12	-41 53 3.36	-0.050	12	0.67	47.852	28	98.2	0.79	26	98.2	F5	CZ	10201	P -41 5768
99	9.7E	9.1Z	11 54.784	-0.0007	12	-43 49 30.94	-0.207	12	0.75	54.798	45	99.4	20.43	45	99.4	G0	CZ	10202	P -43 5720
100	8.8E	8.0Z	12 6.871	0.0010	12	-44 3 33.05	-0.038	12	0.66	6.819	26	98.6	31.10	24	98.6	K2	CZ	10204	P -43 5723

223300 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.3E	8.5Z	12 12 10.160	-0.0017	12	-49 30 31.85	-0.017	12	0.70	10.238	45	04.9	31.07	45	04.9	K2	CZ	10205	P -49 4991
2	8.3E	8.0*	12 12 14.288	-0.0030	12	-43 50 1.45	0.000	12	0.67	14.441	26	98.9	1.47	26	98.9	K0	CZ	10207	P -43 5725
3	9.1E	8.0Z	12 12 16.141	-0.0019	12	-45 12 52.18	0.001	12	0.68	16.236	36	01.4	52.25	36	01.4	K5	CZ	10208	P -44 5895
4	8.1E	8.5*	12 12 18.335	-0.0040	12	-47 40 13.32	-0.017	12	0.64	18.526	28	01.5	12.51	26	01.5	A5	CZ	10209	P -47 5433
5		7.4T	12 12 21.535	-0.0289	10	-40 51 37.76	-0.092	08	0.41	22.771	15	07.2	33.54	14	03.9	G5	GC	16722	C -40 7182
6	8.7E	8.0Z	12 12 33.076	-0.0041	12	-48 52 17.43	-0.009	12	0.71	33.264	45	03.8	16.99	45	03.8	F5	CZ	10211	P -48 4845
7	10.1E	9.3Z	12 12 41.055	-0.0010	12	-42 13 15.50	-0.018	12	0.71	41.107	36	99.0	14.60	36	99.0	G	CZ	10213	P -41 5773
8	10.3E	8.6Z	12 12 43.727	0.0009	12	-42 15 46.83	-0.009	12	0.71	43.683	36	99.0	46.39	36	99.0	K2	CZ	10214	P -41 5774
9		8.3T	12 12 54.500	-0.0299	13	-41 37 57.77	-0.179	10	0.64	56.008	15	99.5	47.94	17	95.1	K0	GC	16734	C -41 7056
10	9.5E	8.8Z	12 12 58.184	0.0013	12	-41 21 1.96	-0.016	12	0.67	58.119	28	98.8	1.13	26	98.8	G0	CZ	10218	P -40 5596
11	9.1E	9.0Z	12 59.740	-0.0302	12	-48 8 22.90	0.107	12	0.67	+ 1.169	36	02.6	27.99	36	02.6	G0	CZ	10217	P -47 5441
12	9.4E	8.5Z	13 7.958	-0.0003	12	-41 11 36.29	0.010	12	0.85	7.974	63	99.2	36.79	57	99.2	A3	CZ	10219	P -40 5598
13	11.2E	9.8*	13 14.641	-0.0029	12	-42 0 32.96	-0.002	12	0.67	14.791	28	98.8	32.88	26	98.8		CZ	10220	P -41 5780
14	10.4E	9.0*	13 17.358	-0.0006	12	-43 3 12.06	-0.018	12	0.67	17.390	28	98.7	11.12	26	98.7	G5	CZ	10221	P -42 5697
15	9.7E	9.5Z	13 19.903	0.0013	12	-43 17 1.96	-0.024	12	0.67	19.837	28	98.7	0.72	26	98.7	A2	CZ	10222	P -42 5698
16	10.1E	9.1Z	13 21.079	-0.0004	12	-49 59 51.37	-0.006	12	0.70	21.099	45	04.9	51.12	45	04.9	K0	CZ	10223	P -49 5021
17	9.5E	9.2Z	13 24.967	-0.0023	12	-47 7 8.98	-0.007	12	0.67	25.075	36	02.6	8.66	36	02.6	A0	CZ	10224	P -46 5776
18	9.4E	9.0Z	13 26.581	0.0011	12	-40 41 4.82	-0.023	12	0.68	28.525	31	98.5	3.63	28	98.5	G5	CZ	10226	P -40 5602
19	9.9E	9.7Z	13 28.849	-0.0012	12	-49 43 48.78	-0.002	12	0.70	28.904	45	04.9	48.68	45	04.9	A3	CZ	10225	P -49 5026
20	10.6E	9.6*	13 29.483	-0.0015	12	-47 6 18.28	-0.009	12	0.66	29.556	31	00.9	17.86	28	00.9	A0	CZ	10227	P -46 5781
21	9.5E	8.9*	13 33.357	-0.0076	12	-49 37 45.80	-0.015	12	0.63	33.716	31	03.0	45.08	28	03.0	G5	CZ	10228	P -49 5027
22	9.5E	8.5Z	13 33.593	-0.0015	12	-44 57 37.41	-0.005	12	0.73	33.663	45	01.9	37.16	45	01.9	K5	CZ	10229	P -44 5905
23	10.0E	9.4*	13 35.978	-0.0002	12	-42 19 36.73	-0.005	12	0.67	35.989	28	98.6	36.50	26	98.6	A2	CZ	10230	P -41 5784
24	9.1E	8.8Z	13 47.894	0.0004	12	-41 39 23.50	-0.005	12	0.73	47.875	45	99.3	23.24	45	99.3	A0	CZ	10231	P -41 5787
25	9.6E	9.3Z	13 48.922	-0.0030	12	-49 51 55.18	-0.013	12	0.70	49.059	45	04.9	54.61	45	04.9	G5	CZ	10232	P -49 5030
26	10.2E	9.8*	13 59.434	-0.0015	12	-45 27 12.25	-0.003	12	0.65	59.508	31	01.6	12.12	28	01.6	A0	CZ	10233	P -45 5862
27	10.0E	9.3*	14 4.078	-0.0001	12	-44 45 8.12	-0.008	12	0.66	4.083	31	00.7	7.75	28	00.7	A2	CZ	10234	P -44 5908
28	8.4E	8.5Z	14 11.931	-0.0007	12	-40 47 30.02	-0.031	12	0.85	11.968	63	99.2	28.44	57	99.2	F2	CZ	10237	P -40 5611
29	10.6E	9.6*	14 16.437	-0.0001	12	-46 6 32.89	-0.001	12	0.65	16.441	31	01.6	32.86	28	01.6	F5	CZ	10238	P -45 5867
30	9.4E	9.5Z	14 18.582	-0.0005	12	-44 55 26.53	-0.011	12	0.73	18.607	45	01.9	25.98	45	01.9	A2	CZ	10239	P -44 5910
31	8.9E	8.8*	14 26.789	-0.0035	12	-49 13 22.84	-0.018	12	0.64	26.954	31	02.3	21.96	28	02.3	A2	CZ	10240	P -48 4671
32	9.2E	9.5Z	14 45.993	-0.0031	12	-49 57 27.35	-0.006	12	0.66	46.139	36	03.3	27.09	36	03.3	A0	CZ	10241	P -49 5043
33	10.6E	9.5Z	14 46.077	-0.0008	12	-42 25 48.83	-0.024	12	0.67	46.120	28	98.4	47.61	26	98.4		CZ	10242	P -42 5704
34	9.8E	8.5Z	14 52.951	0.0020	12	-42 40 45.55	0.006	12	0.75	52.851	45	99.4	45.87	45	99.4	F8	CZ	10244	P -42 5706
35		6.8T	14 54.018	-0.0293	09	-48 38 50.19	-0.057	07	0.40	55.293	14	06.5	47.58	15	04.0	F8	GC	16765	C -48 7307
36	8.9E	8.5Z	15 1.310	-0.0002	12	-40 51 32.81	-0.029	12	0.85	1.321	63	99.2	31.33	57	99.2	K2	CZ	10246	P -40 5618
37			15 8.087	0.0001	12	-49 27 23.39	-0.008	12	0.72	8.082	45	02.3	22.99	45	02.3	A0	CZ	10247Y	P -49 5046
38		8.0T	15 9.008	0.0014	16	-45 6 54.57	0.000	14	0.61	8.955	17	11.7	54.57	17	11.1	B9	GC	16769	C -44 7914
39	9.1E	8.5Z	15 9.914	-0.0005	12	-49 44 51.02	0.010	12	0.72	9.940	45	02.3	51.48	45	02.3	G0	CZ	10249	P -49 5047
40	9.0E	8.8Z	15 20.222	-0.0020	12	-49 52 51.38	-0.001	12	0.65	20.321	31	01.3	51.35	28	01.3	A2	CZ	10250	P -49 5050
41	9.0E	8.7Z	15 22.345	-0.0018	12	-48 50 35.15	-0.000	12	0.73	22.431	45	01.2	35.13	45	01.2	F5	CZ	10251	P -48 4685
42	9.9E	9.6Z	15 39.904	-0.0005	12	-48 46 59.96	-0.006	12	0.73	39.928	45	01.2	59.65	45	01.2	A2	CZ	10253	P -48 4691
43	8.6E	8.2Z	15 43.001	-0.0018	12	-42 40 26.54	-0.016	12	0.75	43.094	45	99.4	25.75	45	99.4	A3	CZ	10255	P -42 5714
44	10.0E	9.5Z	15 50.312	-0.0017	12	-49 56 46.32	-0.009	12	0.72	50.395	45	02.3	45.91	45	02.3	A0	CZ	10257	P -49 5058
45	9.6E	8.5Z	15 51.192	0.0003	12	-42 8 54.33	-0.119	12	0.75	51.178	45	99.3	48.32	45	99.3	K0	CZ	10258	P -41 5806
46	10.0E	9.3*	15 55.028	0.0001	12	-46 21 34.98	-0.038	12	0.66	55.022	31	00.9	33.13	28	00.9	K0	CZ	10259	P -45 5876
47	9.3E	8.2Z	15 55.291	-0.0053	12	-42 47 2.35	-0.017	12	0.67	55.564	28	98.4	1.46	26	98.4	F8	CZ	10260	P -42 5716
48	8.9E	9.0Z	15 57.215	0.0035	12	-43 52 0.90	-0.038	12	0.67	57.034	28	98.7	-58.97	26	98.7	G5	CZ	10261	P -43 5748
49	10.6E	9.0Z	16 8.689	-0.0041	12	-42 44 46.27	-0.011	12	0.75	8.898	45	99.4	45.73	45	99.4	K2	CZ	10263	P -42 5717
50	9.5E	9.0Z	16 17.400	-0.0016	12	-45 36 11.76	-0.040	12	0.71	17.476	45	03.3	9.91	45	03.3	G5	CZ	10264	P -45 5880
51	7.9E	8.0Z	12 16 37.152	-0.0034	12	-47 33 7.76	0.002	12	0.72	37.314	45	02.2	7.83	45	02.2	A2	CZ	10266	P -47 5477
52	8.3E	8.7Z	16 54.639	-0.0044	12	-40 33 43.00	-0.029	12	0.85	54.863	63	99.2	41.52	57	99.2	A2	CZ	10267	P -40 5638
53		7.6T	17 0.516	-0.0069	16	-49 13 28.11	-0.034	12	0.75	0.847	22	02.1	26.31	19	96.8	K0	GC	16805	C -48 7343
54	9.1E	9.0Z	17 3.905	-0.0028	12	-44 38 17.26	-0.009	12	0.65	4.044	28	00.3	16.83	26	00.3	A2	CZ	10269	P -44 5928
55	9.5E	8.8Z	17 15.339	-0.0050	12	-42 13 6.92	0.019	12	0.67	15.597	28	98.7	7.91	26	98.7	F8	CZ	10271	P -41 5820
56		7.2T	17 15.530	0.0043	17	-48 2 19.78	-0.027	12	0.76	15.324	19	01.9	18.35	18	97.7	A3	GC	16808	C -47 7536
57		7.2T	17 19.724	0.0027	17	-41 4 55.47	-0.017	13	0.78	19.592	18	01.3	54.57	17	98.6	K0	GC	16811	C -40 7239
58		8.7T	17 23.735	-0.0039	20	-41 40 7.10	-0.069	20	0.95	23.917	19	03.1	3.81	19	02.4	K0	GC	16817	C -41 7116
59	8.7E	8.8Z	17 24.906	-0.0034	12	-47 31 16.88	-0.006	12	0.64	25.070	28	01.2	16.60	26	01.2	A2	CZ	10275	P -47 5485
60	10.2E	9.0Z	17 25.075	-0.0002	12	-48 31 28.56	-0.009	12	0.68	25.086	36	01.6	28.13	36	01.6	K0	CZ	10274	P -48 4721
61	8.9E	8.8Z	17 38.487	-0.0020	12	-47 31 13.97	-0.016	12	0.68	38.581	36	02.2	13.22	36	02.2	A5	CZ	10277	P -47 5489
62	10.3E	9.0Z	17 48.782	-0.0004	12	-42 41 44.54	-0.022	12	0.67	48.805	28	98.9	43.44	26	98.9	K0	CZ	10280	P -42 5727
63	10.2E	9.4*	18 6.182	-0.0018	12	-46 2 1.95	0.000	12	0.64	6.268	28	01.7	1.97	26	01.7	A2	CZ	10281	P -45 5896
64		7.2T	18 14.531	-0.0052	12	-47 10 38.74	-0.001	09	0.62	14.796	22	99.5	38.68	19	91.9	A3	GC	16837	C -46 7866
65	9.5E	8.8*	18 18.413	-0.0026	12	-46 22 7.48	-0.010	12	0.64	18.538	28	01.2	7.01	26	01.2	K5	CZ	10283	P -45 5902
66		6.9T	18 27.624	-0.0005	14	-42 17 4.85	-0.020	10	0.63	27.647	18	01.9	3.83	18	99.1	A0	GC	16844K	C*-41 7125
67	10.0E	9.0Z	18 30.807	-0.0047	12	-44 43 33.27	0.010	12	0.73	31.033	45	01.9	33.77	45	01.9	K0	CZ	10286	P -44 5939
68	10.1E	9.0Z	18 31.207	-0.0020	12	-49 39 5.82	0.004	12	0.72	31.304	45	02.3	5.99	45	02.3	K0	CZ	10285	P -49 5098
69	9.2E	8.8Z	18 31.707	-0.0024	12	-47 46 40.37	-0.026	12	0.72	31.820	45	02.2	39.14	45	02.2	F0	CZ	10287	P -47 5502
70			18 32.228	-0.0020	12	-48 56 1.93	0.012	12	0.64	32.324	28	01.0	2.49	26	01.0	F5	CZ	10288Y	P -48 4730
71	9.5E	9.0Z	18 34.862	-0.0115	12	-49 55 1.10	0.020	12	0.72	35.413	45	02.3	2.08	45	02.3	F8	CZ	10289	P -49 5102
72		9.5T	18 35.181	-0.0024	22	-45 6 37.08	-0.075	22	1.04	35.291	21	04.6	33.67	21	04.6	F0	GC	16847	C -44 7949
73	12.1E	10.0H	18 35.953	0.0021	12	-49 54 58.73	0.013	12	0.72	35.855	45	02.3	59.38	45	02.3	F8	CZ	10290	P -49 5102
74	10.0E	9.5Z	18 43.708	-0.0020	12	-48 25 16.46	0.005	12	0.73	43.805	45	01.2	16.72	45	01.2	F0	CZ	10293	P -48 4735
75	9.4E	8.8Z	18 48.119	-0.0032	12	-46 59 30.09	0.001	12	0.66	48.275	31	00.9	30.16	28	00.9	G5	CZ	10294	P -46 5818
76	8.4E	8.0Z	18 53.151	-0.0014	12	-43 59 27.89	0.001	12	0.75	53.221	45	99.4	27.96	45	99.4	+++	CZ	10296	P*-43 5767
77	9.3E	9.1*	18 53.326	-0.0021	12	-49 20 52.07	-0.018	12	0.65	53.426	31	01.3	51.18	28	01.3	A3	CZ	10295	P -48 4739
78	9.7E	8.5Z	18 57.823	-0.0055	12	-47 14 27.85	-0.012	12	0.72	58.064	45	02.2	27.30	45	02.2	K0	CZ	10297	P -46 5820
79		6.5T	19 6.023	-0.0021	11	-49 40 17.42	0.006	09	0.60	6.133	21	96.4	17.78	18	90.0	K2	GC	16853	C -49 7024
80	9.8E	10.0Z	19 6.546	-0.0032	12	-44 35 46.98	0.014	12	0.73	6.700	45	01.9	47.67	45	01.9	F8	CZ	10301	P -44 5942
81	9.7E	9.3Z	19 18.709	-0.0037	12	-46 44 21.55	-0.002	12	0.72	18.884	45	02.2	21.46	45	02.2	A2	CZ	10302	P -46 5822
82	8.9E	8.5Z	19 20.682	-0.0005	12	-40 46 50.79	-0.125	12	0.85	20.709	63	99.2	44.43	57	99.2	K2	CZ	10304	P -40 5660
83	10.6E	9.4*	19 33.672	-0.0017	12	-48 13 30.51	-0.014	12	0.66	33.754	31	00.9	29.84	28	00.9	A2	CZ	10306	P -47 5506
84	10.0E	9.5Z	19 39.174	-0.0071	12	-41 58 56.82	-0.022	12	0.75	39.535	45	99.3	55.73	45	99.3	F8	CZ	10309	P -41 5840
85	9.1E	8.8Z	19 39.730	-0.0019	12	-44 53 10.00	-0.002	12	0.73	39.821	45	01.9	9.88	45	01.9	A2	CZ	10308	P -44 5944
86	8.7E	8.5Z	19 42.603	-0.0045	12	-43 11 11.26	0.016	12	0.67	42.837	28	98.4	12.07	26	98.4	G5	CZ	10315	P -42 5738
87	9.5E	9.9Z	19 47.341	-0.0028	12	-49 14 33.67	-0.014	12	0.73	47.466	45	01.2	32.97	45	01.2	F0	CZ	10316	P -48 4756
88	11.6E	10.0H	19 55.192	-0.0020	12	-49 3 7.38	-0.003	12	0.73	55.288	45	01.2	7.22	45	01.2	A0	CZ	10318	P -48 4757
89		8.0T	19 55.771	-0.0010	15	-49 2 55.36	-0.002	12	0.71	55.819	22	01.8	55.27	21	96.9	A0	GC	16870	C -48 7380
90	10.2E	9.4Z	19 56.710	-0.0031	12	-48 22 19.47	-0.010	12	0.73	56.860	45	01.2	19.00	45	01.2	G5	CZ	10320	P -47 5510
91	9.8E	9.5Z	19 58.651	-0.0028	12	-49 5 32.92	0.004	12	0.73	58.786	45	01.2	33.10	45	01.2		CZ	10321	P -48 4759
92	9.9E	9.0Z	20 5.351	-0.0019	12	-44 6 12.83	-0.004	12	0.75	5.447	45	99.4	12.65	45	99.4	G5	CZ	10323	P -43 5770
93	7.7E	7.5H	20 10.324	-0.0057	12	-45 22 52.94	-0.005	12	0.65	10.598	31	01.6	52.67	28	01.6	A0	CZ	10325	P -44 5949
94	8.9E	8.5Z	20 11.299	-0.0000	12	-49 47 24.14	-0.021	12	0.65	11.301	31	01.3	23.14	28	01.3	F0	CZ	10324	P -49 5136
95	9.2E	9.3Z	20 16.479	-0.0046	12	-40 34 36.57	-0.034	12	0.67	16.716	28	98.4	34.81	26	98.4	A5	CZ	10327	P -40 5668
96	9.6E	9.0Z	20 18.490	-0.0105	12	-49 44 8.36	0.007	12	0.72	18.993	45	02.3	8.67	45	02.3	G5	CZ	10328	P -49 5139
97	10.7E	9.5*	20 24.075	-0.0017	12	-47 21 56.71	-0.031	12	0.66	24.157	31	00.9	55.20	28	00.9	F0	CZ	10329	P -46 5828
98	8.8E	8.0Z	20 28.038	-0.0015	12	-40 46 3.68	-0.040	12	0.85	28.115	63	99.2	1.64	57	99.2	K0	CZ	10331	P -40 5673
99	9.4E	9.0Z	20 45.061	-0.0031	12	-41 11 21.29	-0.017	12	0.85	45.220	63	99.2	20.43	57	99.2	F0	CZ	10335	P -40 5674
00		7.9T	20 46.094	0.0014	14	-41 34 13.26	-0.019	11	0.68	46.022	18	99.7	12.23	17	95.9	A2	GC	16889	C -41 7147

223400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 12H DM NUMBER
1	9.4E	8.5Z	12 20 47.242	-0.0031	12	-44 2 35.84	-0.009	12	0.67	47.401	28	98.6	35.40	26	98.6	G5	CZ	10337	P -43 5773
2	9.3E	9.0Z	20 55.828	-0.0046	12	-44 34 45.74	0.030	12	0.66	56.055	51	00.7	47.23	28	00.7	G0	CZ	10340	P -44 5952
3	10.2	8.9W	21 2.014	-0.0019	13	-40 4 59.80	-0.017	13	0.26	2.043	15	35.4	59.55	21	35.4	K2	C8	5853	C -39 7615
4	9.7E	9.4Z	21 3.784	-0.0039	12	-45 0 12.64	-0.006	12	0.73	3.973	45	01.9	12.38	45	01.9	F5	CZ	10342	P -44 5953
5	10.0E	9.6Z	21 13.447	-0.0037	12	-42 7 24.17	0.009	12	0.67	13.638	28	98.8	24.66	28	98.8		CZ	10343	P -41 5854
6	9.4E	9.2Z	21 15.440	-0.0210	12	-46 24 4.87	0.035	12	0.72	16.443	45	02.2	6.56	45	02.2	G5	CZ	10344	P -45 5916
7	10.1E	9.5Z	21 15.878	-0.0023	12	-42 27 12.52	-0.027	12	0.67	15.999	28	98.3	11.14	28	98.3	F5	CZ	10345	P -42 5747
8	9.8E	9.5Z	21 19.084	-0.0012	12	-48 43 39.43	-0.003	12	0.73	19.085	45	01.2	39.29	45	01.2	A0	CZ	10346	P -48 4773
9	9.9E	9.8Z	21 19.679	-0.0028	12	-49 2 39.77	0.005	12	0.73	19.814	45	01.2	40.00	45	01.2	A2	CZ	10347	P -48 4774
10	9.3E	9.3Z	21 19.988	-0.0007	12	-44 23 33.76	0.002	12	0.73	20.022	45	01.9	33.88	45	01.9	A2	CZ	10348	P -43 5776
11		6.7T	21 40.547	-0.0032	12	-47 5 44.88	-0.006	09	0.60	40.703	18	00.2	44.53	19	93.0	B9	GC	16908	C -46 7903
12	10.4E	9.4Z	21 41.157	-0.0020	12	-45 23 15.38	0.002	12	0.71	41.252	45	03.3	15.50	45	03.3	G0	CZ	10352	P -44 5956
13	9.7E	9.2Z	21 43.935	-0.0014	12	-49 31 38.22	-0.014	12	0.72	44.004	45	02.3	37.54	45	02.3	K2	CZ	10353	P -49 5155
14			21 52.330	-0.0017	12	-49 9 46.52	0.004	12	0.66	52.413	31	00.6	46.70	28	00.6	R5	CZ	10354Y	P -48 4779
15	9.4E	9.4Z	21 53.055	-0.0049	12	-41 2 52.33	-0.044	12	0.85	53.300	63	99.2	50.10	57	99.2		CZ	10356	P -40 5686
16	10.1E	8.9H	22 4.819	-0.0073	12	-41 6 35.22	-0.128	12	0.85	5.191	63	99.2	28.72	57	99.2	K0	CZ	10358	P -40 5688
17		6.2T	22 5.293	-0.0060	17	-41 6 22.51	-0.075	13	0.77	5.577	22	02.6	18.58	21	97.9	K0	GC	16920K	C*-40 7281
18	9.5E	9.0Z	22 7.388	0.0029	12	-48 0 38.78	-0.028	12	0.67	7.250	36	02.9	37.47	36	02.9	F8	CZ	10360	P -47 5522
19	10.0E	9.0W	22 11.256	-0.0033	12	-43 43 56.07	-0.004	12	0.67	11.426	28	98.7	55.84	28	98.7	G5	CZ	10362	P -43 5777
20	8.4E	8.0Z	22 12.393	-0.0002	12	-46 52 30.13	-0.005	12	0.64	12.401	28	01.7	29.91	26	01.7	F8	CZ	10363	P -46 5836
21	8.7E	8.3H	22 13.622	-0.0034	12	-40 23 39.10	-0.032	12	0.85	13.796	63	99.2	37.47	57	99.2	G5	CZ	10364	P -39 5526
22	8.4E	8.4H	22 17.855	-0.0040	12	-49 24 53.28	-0.026	12	0.65	18.023	31	01.5	52.04	28	01.5	F0	CZ	10365	P -49 5164
23	9.7E	9.5Z	22 18.712	0.0040	12	-44 35 53.70	-0.077	12	0.68	18.519	36	01.7	49.99	36	01.7	G5	CZ	10366	P -44 5960
24	10.6E	9.4Z	22 19.382	-0.0113	12	-42 45 48.58	-0.017	12	0.67	19.931	28	98.9	47.73	26	98.9	G5	CZ	10367	P -42 5756
25		7.0T	22 27.414	0.0008	11	-48 1 55.74	-0.000	08	0.42	27.382	15	09.0	55.73	15	05.1	K5	GC	16926	C -47 7595
26		6.3T	22 28.946	-0.0138	09	-42 14 13.66	-0.033	07	0.41	29.606	10	02.1	11.99	10	99.3	G0	GC	16928	C -41 7163
27	10.0E	9.0Z	22 28.982	0.0000	12	-47 56 48.09	-0.027	12	0.67	28.981	36	02.9	46.83	36	02.9	G5	CZ	10369	P -47 5524
28	9.9E	8.6H	22 34.976	-0.0001	12	-45 9 21.26	0.010	12	0.65	34.983	28	00.8	21.79	26	00.8	K0	CZ	10371	P -44 5962
29		8.8T	22 43.954	-0.0043	13	-45 20 55.35	-0.029	12	0.67	44.164	22	01.3	53.87	22	98.9	A2	GC	16939	C*-44 7996
30		10.0T	22 54.505	-0.0218	22	-40 34 22.85	0.171	22	1.06	55.518	18	03.5	30.82	18	03.5	G0	GC	16943	C*-40 7288
31	9.9E	9.8Z	22 56.771	-0.0025	12	-49 0 21.83	-0.003	12	0.73	56.892	45	01.2	21.67	45	01.2	A0	CZ	10374	P -48 4788
32	10.1E	9.6Z	23 0.991	-0.0050	12	-43 10 7.07	0.001	12	0.67	1.248	28	98.9	7.11	26	98.9	F2	CZ	10376	P -42 5759
33	10.0E	9.0Z	23 9.383	-0.0018	12	-42 33 1.44	-0.009	12	0.67	9.478	28	98.5	0.99	26	98.5	G5	CZ	10377	P -42 5762
34	9.3E	9.0Z	23 10.061	-0.0047	12	-46 12 29.72	-0.007	12	0.67	10.283	36	02.6	29.40	36	02.6	A3	CZ	10378	P -45 5924
35	10.1E	9.4Z	23 15.018	0.0055	12	-45 9 6.96	-0.049	12	0.68	14.754	36	01.7	4.62	36	01.7	G0	CZ	10379	P -44 5964
36		7.0T	23 19.110	-0.0101	17	-49 18 42.07	-0.001	13	0.77	19.598	18	01.7	42.03	17	98.7	A0	GC	16946	C -48 7413
37	9.5E	9.0Z	23 38.047	-0.0042	12	-47 22 19.97	-0.053	12	0.71	38.242	45	03.5	17.51	45	03.5	F5	CZ	10383	P -46 5841
38	10.3E	8.5Z	23 45.882	-0.0025	12	-42 59 1.87	-0.007	12	0.67	46.001	28	98.6	1.50	26	98.6	MA	CZ	10384	P -42 5770
39	7.8E	8.0Z	23 50.666	-0.0012	12	-44 28 20.44	-0.003	12	0.67	50.728	31	99.6	20.27	28	99.6	A5	CZ	10386	P -44 5967
40	9.1E	9.0Z	23 55.364	-0.0000	12	-41 16 8.30	0.009	12	0.69	55.365	31	98.3	8.76	28	98.3	F0	CZ	10387	P -40 5708
41	9.7E	9.6Z	23 57.571	-0.0157	12	-44 17 1.29	-0.019	12	0.74	58.352	45	00.3	0.32	45	00.3	G0	CZ	10388	P -43 5787
42	8.3E	8.5Z	24 8.126	0.0005	12	-44 12 37.09	-0.032	12	0.67	8.100	28	98.4	35.46	26	98.4	A0	CZ	10389	P -43 5788
43		6.2T	24 9.169	-0.0640	10	-48 38 7.29	-0.085	07	0.41	11.900	14	07.3	3.38	12	03.8	G0	GC	16957	C -48 7426
44	9.5E	8.5Z	24 14.203	0.0014	12	-47 18 55.84	-0.037	12	0.64	14.134	28	01.6	54.07	26	01.6	K2	CZ	10391	P -46 5846
45	10.8E	9.0W	24 14.366	-0.0037	12	-43 26 8.38	-0.019	12	0.67	14.557	28	98.7	7.39	26	98.7	G0	CZ	10393	P -43 5769
46	9.5E	8.0Z	24 14.582	0.0034	12	-47 7 11.74	-0.035	12	0.66	14.417	31	01.6	10.07	28	01.6	K2	CZ	10392	P -46 5845
47	10.4E	9.8Z	24 19.525	-0.0024	12	-47 45 12.12	-0.009	12	0.71	19.636	45	03.3	11.72	45	03.3	A2	CZ	10395	P -47 5530
48	10.1E	9.5Z	24 44.294	0.0096	12	-41 12 59.76	-0.127	12	0.85	43.808	63	99.2	53.31	57	99.2	G0	CZ	10399	P -40 5714
49	9.8E	9.3Z	24 47.777	-0.0331	12	-47 51 5.76	-0.217	12	0.71	49.322	45	03.3	55.64	45	03.3	G0	CZ	10400	P -47 5533
50	9.9E	8.5Z	24 52.814	-0.0023	12	-46 34 22.35	-0.014	12	0.65	52.924	31	01.6	21.67	28	01.6	K2	CZ	10401	P -46 5850
51	9.6E	9.5Z	12 24 55.526	-0.0014	12	-40 55 44.48	-0.001	12	0.85	55.598	63	99.2	44.42	57	99.2	A5	CZ	10403	P -40 5720
52	10.3E	9.0Z	25 1.445	-0.0031	12	-47 25 7.02	-0.005	12	0.71	1.589	45	03.3	6.81	45	03.3	G5	CZ	10404	P -47 5534
53	9.5E	8.5Z	25 14.103	-0.0015	12	-48 43 2.65	-0.006	12	0.73	14.178	45	01.2	2.36	45	01.2	K0	CZ	10406	P -48 4811
54		4.2H	25 19.525	-0.0029	03	-49 57 14.19	-0.022	03	0.11	19.620	06	17.1	13.40	06	15.0	B3	F4	464	C -49 7115
55	9.0E	9.0Z	25 19.936	-0.0027	12	-44 48 34.78	0.001	12	0.74	20.071	45	00.3	34.81	45	00.3	B8	CZ	10408	P -44 5972
56	9.4E	9.0Z	25 23.720	0.0002	12	-47 3 31.60	-0.008	12	0.71	23.710	45	03.3	31.24	45	03.3	K0	CZ	10410	P -46 5853
57	9.5E	9.0Z	25 34.106	0.0016	12	-41 22 57.05	-0.024	12	0.75	34.026	45	99.3	55.83	45	99.3	F8	CZ	10411	P -40 5727
58	10.0E	9.5Z	25 35.742	-0.0051	12	-43 6 32.37	-0.041	12	0.75	36.001	45	99.4	30.28	45	99.4	G0	CZ	10412	P -42 5786
59	9.9E	9.7Z	25 56.085	-0.0053	12	-49 49 19.17	-0.005	12	0.72	56.340	45	02.3	18.96	45	02.3		CZ	10413	P -49 5206
60	9.9E	9.5Z	26 4.395	-0.0024	12	-43 21 23.92	-0.001	12	0.75	4.518	45	99.4	23.85	45	99.4	G5	CZ	10415	P -42 5793
61		7.8T	26 19.432	-0.0085	22	-42 57 26.34	0.013	22	1.08	19.830	19	02.9	26.96	19	02.9	G0	GC	17010	C*-42 7675
62	9.4E	9.0W	26 37.805	-0.0024	12	-46 8 23.90	-0.003	12	0.66	37.923	31	00.6	23.77	28	00.6	F2	CZ	10420	P -45 5936
63	10.1E	9.6Z	26 59.849	-0.0028	12	-45 21 43.40	-0.005	12	0.73	59.965	45	01.7	43.18	45	01.7	A2	CZ	10422	P -44 5982
64	10.3E	10.0Z	27 5.668	-0.0014	12	-43 40 4.36	-0.011	12	0.67	5.742	28	98.5	3.77	26	98.5	G5	CZ	10423	P -43 5800
65		8.4T	27 7.662	-0.0080	26	-41 7 34.21	0.000	16	0.97	8.013	18	06.0	34.24	18	03.1	F2	GC	17022	C -40 7324
66	9.5E	9.4Z	27 10.284	-0.0007	12	-48 35 38.88	-0.008	12	0.65	10.298	36	05.0	38.52	36	05.0	A2	CZ	10425	P -48 4826
67	9.9E	9.3W	27 11.231	-0.0020	12	-45 26 20.48	0.006	12	0.64	11.330	28	01.0	20.80	26	01.0	A3	CZ	10428	P -45 5939
68	9.8E	9.0Z	27 12.011	-0.0028	12	-49 58 46.98	-0.019	12	0.62	12.141	51	04.4	46.14	28	04.4	G5	CZ	10426	P -49 5230
69	10.7E	9.3W	27 12.133	-0.0010	12	-48 34 30.29	-0.004	12	0.61	12.181	28	03.6	30.12	26	03.6		CZ	10427	P -48 4830
70	10.4E	9.0Z	27 13.238	-0.0035	12	-45 16 0.53	0.020	12	0.72	13.406	45	02.8	1.50	45	02.8	K5	CZ	10429	P -44 5967
71		5.9T	27 16.722	0.0004	07	-41 27 33.99	-0.029	06	0.30	16.775	12	08.9	32.66	12	03.5	M8	GC	17030	C -41 7219
72		6.9T	27 18.991	-0.0046	10	-42 39 11.92	-0.007	08	0.43	19.185	15	07.3	11.62	14	04.5	M0	GC	17032	C -42 7688
73	10.3E	9.5W	27 21.830	-0.0074	12	-49 9 17.62	-0.053	12	0.61	22.172	28	03.6	15.15	26	03.6		CZ	10432	P -48 4832
74	9.2E	9.2Z	27 30.050	-0.0074	12	-43 4 15.92	0.009	12	0.70	30.426	36	99.4	16.36	36	99.4	F8	CZ	10434	P -42 5809
75	8.6E	8.5Z	27 30.378	-0.0014	12	-41 36 53.15	0.005	12	0.66	30.451	26	98.8	53.40	24	98.8	F2	CZ	10435	P -41 5922
76	10.0E	8.0Z	27 33.587	-0.0009	12	-46 18 27.58	0.002	12	0.67	33.628	36	02.9	27.70	36	02.9	K5	CZ	10436	P -45 5941
77	10.3E	9.5Z	27 34.909	-0.0030	12	-48 3 56.12	-0.029	12	0.63	34.651	28	02.1	54.75	26	02.1		CZ	10437	P -47 5550
78	8.2E	8.5Z	27 54.739	-0.0010	12	-44 5 28.29	-0.002	12	0.69	54.788	36	01.0	28.17	36	01.0	A0	CZ	10440	P -43 5802
79	8.9E	8.5Z	27 55.088	-0.0047	12	-47 19 13.14	-0.022	12	0.66	55.286	36	03.3	12.13	36	03.3	K0	CZ	10439	P -46 5869
80	10.0E	9.3W	27 59.966	-0.0007	12	-44 48 13.60	0.001	12	0.65	+ 0.001	28	00.8	13.62	26	00.8	A0	CZ	10442	P -44 5992
81	9.2E	8.9W	28 9.504	-0.0034	12	-46 30 49.07	-0.012	12	0.64	9.666	28	01.8	48.50	26	01.8	F5	CZ	10443	P -46 5871
82	8.3E	8.5Z	28 17.260	-0.0007	12	-45 5 23.37	0.010	12	0.68	17.296	36	01.7	23.87	36	01.7	A3	CZ	10445	P -44 5995
83	10.1E	9.0Z	28 18.755	-0.0008	12	-42 37 7.68	-0.002	12	0.75	18.797	45	99.4	7.60	45	99.4	K0	CZ	10446	P -42 5819
84		7.9T	28 37.579	-0.0013	15	-41 13 43.36	-0.007	11	0.69	37.643	17	00.2	43.02	14	97.5	F0	GC	17057K	C*-40 7340
85	10.8E	9.0Z	28 37.649	-0.0389	12	-43 6 21.31	-0.208	12	0.67	39.654	28	98.5	10.58	26	98.5	K5	CZ	10450	P -42 5823
86	10.1E	9.0Z	28 46.213	0.0007	12	-47 24 59.19	-0.020	12	0.71	46.180	45	03.9	58.29	45	03.9	K2	CZ	10451	P -47 5555
87	7.9E	8.0Z	28 51.048	-0.0015	12	-48 42 34.13	0.005	12	0.69	51.113	45	06.4	34.36	45	06.4	A2	CZ	10452	P -48 4843
88	9.1E	9.3Z	29 6.130	-0.0010	12	-49 0 33.46	-0.007	12	0.69	6.172	45	06.4	33.15	45	06.4	A0	CZ	10453	P -48 4844
89	8.9E	8.5Z	29 8.648	0.0019	12	-48 21 0.52	-0.005	12	0.69	8.564	45	06.4	0.31	45	06.4	A0	CZ	10454	P -47 5556
90	10.0E	9.5Z	29 10.861	0.0036	12	-46 26 1.59	-0.063	12	0.71	10.692	45	03.3	58.67	45	03.3	F8	CZ	10455	P -46 5873
91	9.5E	9.0Z	29 13.270	-0.0003	12	-45 9 49.91	0.001	12	0.72	13.286	45	02.8	49.98	45	02.8	F8	CZ	10458	P -44 5998
92	8.7E	8.9Z	29 13.559	-0.0006	12	-49 37 45.00	-0.000	12	0.68	13.587	45	06.9	44.98	45	06.9	A0	CZ	10457	P -49 5257
93	9.4E	8.5Z	29 15.947	-0.0034	12	-43 30 48.31	-0.005	12	0.65	16.117	28	00.3	48.05	26	00.3	F5	CZ	10459	P -43 5809
94		7.3T	29 17.624	0.0019	14	-40 46 43.90	-0.022	10	0.65	17.531	18	01.3	42.71	19	97.0	K2	GC	17082	C -40 7344
95	8.8E	8.0Z	29 23.329	-0.0014	12	-43 15 35.52	-0.024	12	0.75	23.402	45	99.4	34.29	45	99.4	G5	CZ	10462	P -42 5830
96	9.8E	9.5Z	29 23.392	-0.0069	12	-45 8 34.12	0.018	12	0.72	23.720	45	02.8	34.99	45	02.8	G5	CZ	10461	P -44 5999
97	8.7E	8.5Z	29 41.995	-0.0014	12	-47 25 2.91	-0.015	12	0.65	42.061	31	02.0	2.21	28	02.0	A2	CZ	10465	P -47 5560
98	8.7E	8.5Z	29 45.219	-0.0011	12	-49 40 0.33	-0.019	12	0.68	45.268	45	06.9	59.50	45	06.9	A5	CZ	10466	P -49 5262
99	10.2E	9.3W	29 48.386	-0.0029	12	-48 9 26.09	-0.017	12	0.65	48.524	31	02.0	25.29	28	02.0		CZ	10468	P -47 5561
00	7.9E	7.3H	30 0.445	0.0043	12	-45 10 58.87	-0.031	12	0.65	0.238	31	01.3	57.36	28	01.3	F2	CZ	10469	P -44 6001

223500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.3E	9.0Z	12 30 7.651	-0.0013	12	-41 21 24.96	-0.005	12	0.67	7.716	28	98.3	24.72	26	98.3	F0	CZ	10472	P -40 5772
2	9.5E	8.3Z	30 8.681	-0.0007	12	-47 18 21.87	-0.011	12	0.71	8.715	45	03.9	21.35	45	03.9	K0	CZ	10471	P -46 5877
3		7.6T	30 22.936	-0.0006	17	-46 46 11.11	-0.022	13	0.77	22.966	22	03.2	9.98	21	98.7	K0	GC	17100	C -46 7986
4	9.1E	8.0Z	30 29.150	-0.0019	12	-43 32 48.97	-0.025	12	0.73	29.240	45	01.9	47.87	45	01.9	G0	CZ	10478	P -43 5816
5	9.5E	9.3Z	30 30.719	-0.0032	12	-46 30 49.99	-0.018	12	0.71	30.870	45	03.3	49.13	45	03.3		CZ	10479	P -46 5880
6	10.3E	8.9*	30 30.766	-0.0017	12	-44 9 43.09	0.034	12	0.65	30.853	28	00.2	44.79	26	00.2	G5	CZ	10481	P -43 5817
7	9.8E	9.3*	30 33.125	-0.0029	12	-49 19 26.51	-0.001	12	0.62	33.259	31	04.4	26.47	28	04.4		CZ	10482	P -48 4864
8	8.5E	8.7Z	30 35.798	-0.0015	12	-45 35 46.02	-0.010	12	0.66	35.832	31	00.6	45.51	28	00.6	A0	CZ	10483	P -45 5958
9	9.8E	9.8Z	30 38.852	-0.0013	12	-47 46 16.07	-0.015	12	0.71	38.913	45	03.9	15.37	45	03.9	A0	CZ	10485	P -47 5565
10	9.5E	9.2*	30 38.866	0.0002	12	-48 56 31.85	-0.003	12	0.62	38.859	31	04.1	31.72	28	04.1		CZ	10484	P -48 4866
11		6.8T	30 46.928	-0.0038	11	-41 8 17.60	-0.025	08	0.58	47.137	19	94.8	16.07	18	88.8	F0	GC	17110	C -40 7357
12	8.8E	8.0Z	30 56.619	-0.0073	12	-43 54 30.79	0.003	12	0.73	56.971	45	01.9	30.93	45	01.9	K5	CZ	10487	P -43 5820
13	8.8E	8.2Z	30 58.812	-0.0033	12	-41 40 31.72	0.002	12	0.75	58.978	45	99.3	31.85	45	99.3	F2	CZ	10488	P -41 5960
14	9.1E	9.0*	31 6.213	-0.0020	12	-41 59 35.63	0.003	12	0.67	6.314	28	98.6	35.79	26	98.6	G5	CZ	10489	P -41 5961
15	9.8E	9.2Z	31 11.331	-0.0070	12	-48 19 31.89	-0.032	12	0.69	11.638	45	06.4	30.48	45	06.4	F8	CZ	10490	P -47 5568
16		6.5T	31 15.046	-0.0169	13	-49 37 59.82	-0.043	12	0.69	15.882	22	00.4	57.57	21	97.5	F2	GC	17124K	C -49 7195
17	10.4E	9.1*	31 21.836	0.0012	12	-46 3 1.77	-0.026	12	0.66	21.780	31	00.6	0.48	28	00.6	K0	CZ	10492	P -45 5963
18		7.5T	31 24.027	-0.0051	14	-49 47 4.86	-0.012	12	0.69	24.276	17	00.7	4.25	18	98.3	A2	GC	17128	C -49 7197
19	8.2E	8.0H	31 32.021	-0.0037	12	-40 33 10.88	-0.026	12	0.68	32.216	28	97.9	9.55	26	97.9	A5	CZ	10496	P -40 5788
20	9.2E	8.5Z	31 37.420	-0.0034	12	-46 51 9.96	-0.019	12	0.65	37.586	31	01.6	9.03	28	01.6	F8	CZ	10497	P -46 5885
21	9.5E	9.0Z	31 39.818	-0.0016	12	-49 29 4.53	-0.000	12	0.68	39.889	45	06.9	4.53	45	06.9	A5	CZ	10499	P -49 5289
22	9.8E	9.7Z	31 39.860	-0.0008	12	-47 23 49.27	-0.010	12	0.71	39.898	45	03.9	48.80	45	03.9		CZ	10500	P -46 5886
23	10.4E	9.1Z	31 42.587	-0.0005	12	-45 7 13.22	0.004	12	0.72	42.612	45	02.8	13.40	45	02.8	MA	CZ	10501	P -44 6007
24	10.4E	9.0Z	31 46.244	-0.0005	12	-43 7 46.10	-0.011	12	0.67	46.267	28	98.7	45.55	26	98.7	K0	CZ	10502	P -42 5856
25	9.7E	8.0Z	31 51.107	-0.0012	12	-48 26 40.44	-0.005	12	0.69	51.161	45	06.4	40.21	45	06.4	K5	CZ	10503	P -48 4882
26	10.5E	9.5*	31 59.043	-0.0028	12	-42 38 26.35	-0.015	12	0.67	59.185	28	98.7	25.58	26	98.7	F8	CZ	10505	P -42 5858
27		5.9T	31 59.441	-0.0080	06	-44 23 41.17	-0.219	05	0.30	59.754	14	11.0	31.36	14	05.3	G5	GC	17139	C -43 7755
28	9.9	9.8M	32 1.401	-0.0049	13	-40 6 6.43	-0.022	13	0.26	1.472	15	35.4	6.12	21	35.4	F8	C8	5950	C -39 7700
29		9.0T	32 7.515	-0.0213	22	-40 57 39.22	0.006	22	1.06	8.505	18	03.5	39.50	18	03.5	K0	GC	17140	C -40 7370
30	9.4E	9.2Z	32 20.558	-0.0017	12	-49 25 15.69	-0.006	12	0.68	20.634	45	06.9	15.43	45	06.9	A0	CZ	10508	P -49 5301
31	9.7E	9.3Z	32 22.268	-0.0037	12	-49 26 17.88	0.003	12	0.68	22.430	45	06.9	18.02	45	06.9		CZ	10510	P -49 5303
32	9.2E	9.4Z	32 22.283	-0.0123	12	-43 58 25.09	-0.024	12	0.69	22.886	36	01.0	23.92	36	01.0	G5	CZ	10512	P -43 5830
33	9.7E	9.3Z	32 22.448	0.0000	12	-43 56 47.55	-0.019	12	0.68	22.448	45	06.9	46.73	45	06.9		CZ	10509	P -49 5302
34	9.9E	9.0Z	32 26.302	-0.0033	12	-48 29 4.70	-0.000	12	0.62	26.455	31	04.1	4.68	28	04.1	F8	CZ	10513	P -48 4891
35	9.1E	9.0Z	32 30.529	-0.0056	12	-42 23 49.14	-0.013	12	0.67	30.583	28	98.8	48.47	26	98.8	F2	CZ	10517	P -41 5973
36	9.7E	9.5Z	32 36.155	-0.0040	12	-45 12 24.25	0.005	12	0.68	36.347	36	02.0	24.48	36	02.0	F8	CZ	10518	P -44 6012
37	10.1E	9.6Z	32 38.065	-0.0012	12	-44 17 29.31	0.003	12	0.68	38.124	36	02.0	29.46	36	02.0	F5	CZ	10519	P -43 5835
38	9.5E	8.0*	32 38.363	-0.0034	12	-43 33 31.13	-0.012	12	0.65	38.531	28	00.1	30.55	26	00.1	K0	CZ	10520	P -43 5834
39	10.1E	9.4*	32 38.616	-0.0015	12	-41 42 24.12	-0.005	12	0.67	38.691	28	98.8	23.89	26	98.8	F0	CZ	10521	P -41 5974
40	8.7E	8.0Z	32 51.704	0.0002	12	-49 0 26.55	-0.023	12	0.69	51.695	45	06.4	25.54	45	06.4	K2	CZ	10522	P -48 4899
41	9.4E	8.5Z	33 3.393	-0.0001	12	-44 47 3.80	0.006	12	0.64	3.396	28	01.1	4.10	26	01.1	K0	CZ	10523	P -44 6014
42		5.2T	33 3.574	-0.0096	08	-40 44 48.20	-0.009	05	0.32	3.973	12	08.4	47.76	12	01.1	A5	GC	17158	C -40 7376
43	9.8E	9.1Z	33 5.883	0.0005	12	-43 44 4.52	-0.030	12	0.69	5.858	36	01.0	3.06	36	01.0	F8	CZ	10525	P -43 5836
44	9.1E	8.5Z	33 22.150	-0.0004	12	-48 11 13.00	-0.038	12	0.66	22.169	36	03.3	11.25	36	03.3	K0	CZ	10527	P -47 5580
45		8.2T	33 22.998	-0.0098	22	-42 2 5.23	0.034	22	1.06	23.452	19	03.7	6.83	19	03.7	F2	GC	17167	C -41 7285
46	8.2E	8.5Z	33 24.165	-0.0122	12	-42 34 34.20	-0.060	12	0.67	24.791	28	98.6	31.11	26	98.6	G0	CZ	10530	P -42 5871
47	9.5E	8.9H	33 25.763	-0.0007	12	-45 24 58.91	0.011	12	0.73	25.795	45	01.3	59.47	45	01.3	K0	CZ	10531	P -45 5974
48	9.2E	9.0Z	33 30.128	-0.0039	12	-46 33 14.82	-0.041	12	0.65	30.319	31	00.9	12.83	28	00.9	G5	CZ	10532	P -46 5898
49		7.4T	33 42.681	-0.0044	14	-43 12 46.21	-0.005	12	0.71	42.898	21	00.3	45.93	19	97.0	K0	GC	17174	C -42 7765
50	9.6E	9.3*	33 44.103	-0.0025	12	-49 7 35.01	-0.006	12	0.62	44.217	31	04.1	34.73	28	04.1	A0	CZ	10533	P -48 4905
51	10.4E	9.1H	12 33 51.581	-0.0028	12	-45 26 26.85	0.027	12	0.66	51.718	31	00.3	28.21	28	00.3	K0	CZ	10535	P -45 5978
52	9.0E	9.0Z	34 5.647	-0.0022	12	-47 58 46.74	-0.005	12	0.65	5.754	31	01.3	46.51	28	01.3	A2	CZ	10537	P -47 5584
53	10.7E	9.5*	34 9.773	-0.0049	12	-44 7 1.77	-0.027	12	0.65	10.015	28	00.3	0.42	26	00.3	F8	CZ	10538	P -43 5841
54	9.4E	9.0Z	34 25.274	0.0029	12	-41 43 10.80	-0.050	12	0.75	25.127	45	99.3	8.29	45	99.3	G0	CZ	10540	P -41 5995
55	9.8E	9.0Z	34 31.570	-0.0033	12	-42 30 50.88	-0.003	12	0.75	31.736	45	99.4	50.72	45	99.4	G5	CZ	10541	P -42 5885
56		8.2T	34 34.288	-0.0148	22	-40 32 12.56	0.000	22	1.08	34.980	19	03.2	12.56	19	02.6	G5	GC	17187	C*-40 7393
57	11.8E	9.5H	34 34.318	-0.0154	12	-40 32 23.96	-0.047	12	0.85	35.099	63	99.2	21.59	57	99.2	G5	CZ	10544	P -40 5823
58	9.0E	9.0Z	34 38.669	-0.0025	12	-41 45 11.68	-0.003	12	0.75	38.795	45	99.3	11.54	45	99.3	A5	CZ	10545	P -41 5997
59	10.4E	9.5*	34 47.489	-0.0034	12	-49 28 21.07	-0.013	12	0.62	47.644	31	04.4	20.47	28	04.4		CZ	10546	P -49 5335
60		4.0T	34 57.448	-0.0186	05	-48 15 58.29	-0.008	04	0.23	58.312	09	03.6	57.88	07	99.2	A2	GC	17194	C*-47 7745
61	9.5E	9.0Z	35 16.535	-0.0001	12	-42 45 32.26	-0.006	12	0.75	16.539	45	99.4	31.95	45	99.4	F2	CZ	10549	P -42 5894
62	9.1E	9.0Z	35 23.722	-0.0013	12	-49 49 4.43	-0.010	12	0.68	23.776	45	06.9	3.98	45	06.9	B9	CZ	10550	P -49 5339
63		8.2T	35 31.158	-0.0054	15	-46 50 24.96	-0.002	11	0.69	31.422	19	01.4	24.86	18	97.4	F8	GC	17202	C -46 8050
64	10.2E	9.2Z	35 39.881	0.0016	12	-46 23 36.66	-0.015	12	0.72	39.805	45	02.2	35.96	45	02.2		CZ	10553	P -45 5986
65	7.5E	7.8*	35 46.348	-0.0003	12	-47 40 4.63	-0.002	12	0.65	46.362	31	01.3	4.51	28	01.3	A0	CZ	10554	P -47 5595
66		9.2T	35 53.670	0.0004	24	-42 26 31.71	-0.051	26	1.17	53.651	19	03.5	29.35	19	03.3	K5	GC	17211	C -42 7792
67	10.0E	9.5Z	35 58.526	-0.0023	12	-49 36 6.62	0.002	12	0.68	58.623	45	06.9	6.69	45	06.9		CZ	10556	P -49 5349
68	9.4E	7.5Z	36 0.094	0.0005	12	-44 58 16.49	0.003	12	0.65	0.068	31	01.0	16.64	28	01.0	K5	CZ	10557	P -44 6025
69	9.0E	8.0Z	36 5.789	0.0002	12	-42 10 25.29	-0.013	12	0.67	5.778	28	98.4	24.62	26	98.4	MA	CZ	10560	P -41 6008
70	9.7E	9.3*	36 7.093	-0.0015	12	-48 10 54.79	-0.008	12	0.65	7.166	31	01.3	54.42	28	01.3	A0	CZ	10559	P -47 5599
71	9.4E	9.0*	36 17.547	-0.0010	12	-43 8 56.44	-0.006	12	0.67	17.598	28	98.7	56.14	26	98.7	A5	CZ	10562	P -42 5900
72	9.8E	9.5Z	36 22.947	-0.0017	12	-45 17 13.70	-0.011	12	0.73	23.027	45	01.3	13.19	45	01.3	F0	CZ	10563	P -44 6027
73	8.7E	7.5Z	36 26.108	-0.0036	12	-48 47 30.53	-0.003	12	0.69	26.265	45	06.4	30.39	45	06.4	K2	CZ	10564	P -48 4933
74	8.9	8.6W	36 27.746	-0.0066	13	-40 5 39.26	-0.031	13	0.26	27.842	15	35.4	38.82	21	35.4	G0P	C8	5984	C -39 7742
75	9.5E	9.6H	36 36.744	-0.0025	12	-45 32 47.33	0.004	12	0.66	36.867	31	00.3	47.54	28	00.3	A3	CZ	10566	P -45 5990
76	9.7E	8.0Z	36 38.159	-0.0036	12	-45 10 59.65	0.029	12	0.72	38.331	45	02.4	1.02	45	02.4	K0	CZ	10567	P -44 6029
77	9.0E	9.5Z	36 41.632	-0.0008	12	-41 34 35.04	0.003	12	0.75	41.672	45	99.3	35.21	45	99.3	B9	CZ	10568	P -41 6015
78	9.3E	9.1Z	36 47.771	-0.0001	12	-42 42 36.46	-0.008	12	0.75	47.776	45	99.4	36.05	45	99.4	F2	CZ	10571D	P*-42 5907
79	9.7E	8.0Z	36 54.225	-0.0012	12	-44 39 8.98	0.026	12	0.65	54.282	31	01.0	10.24	26	01.0	MA	CZ	10573	P -44 6030
80		9.6T	36 56.800	-0.0071	22	-42 6 1.31	-0.011	22	1.07	57.128	19	03.7	0.82	19	03.1	A3	GC	17233	C -41 7322
81	7.9E	8.0Z	36 59.703	-0.0041	12	-48 55 25.89	-0.010	12	0.61	59.891	28	03.9	25.43	26	03.9	A0	CZ	10575	P -48 4940
82	10.5E	9.0Z	37 2.245	-0.0012	12	-46 2 15.74	0.002	12	0.64	2.304	28	01.1	15.86	26	01.1		CZ	10576	P -45 5991
83	9.5E	9.5Z	37 16.509	-0.0021	12	-47 41 55.48	0.004	12	0.67	16.607	36	03.0	55.69	36	03.0	F5	CZ	10578	P -47 5601
84	10.0E	9.1H	37 17.952	0.0013	12	-40 28 57.17	-0.037	12	0.85	17.886	63	99.2	55.31	57	99.2	K2	CZ	10579	P -40 5847
85	9.4E	9.0Z	37 24.761	0.0009	12	-41 40 14.79	-0.029	12	0.66	24.715	26	98.8	13.32	24	98.8	F8	CZ	10580	P -41 6023
86		7.0T	37 35.184	-0.0040	15	-49 7 28.25	-0.108	12	0.73	35.378	22	01.4	22.59	21	97.4	G5	GC	17242	C -48 7583
87	9.2E	8.9H	37 38.667	-0.0020	12	-40 21 22.46	-0.031	12	0.65	38.771	24	98.1	20.88	20	98.1	A5	CZ	10585	P -39 5665
88	8.8E	8.5Z	37 39.039	-0.0024	12	-49 50 8.30	-0.015	12	0.62	39.147	31	04.4	7.59	28	04.4	A0	CZ	10583	P -49 5367
89	9.4E	8.5Z	37 45.959	-0.0028	12	-47 49 53.04	-0.012	12	0.67	46.090	36	03.0	52.49	36	03.0	K2	CZ	10586	P -47 5604
90	9.9E	10.0Z	37 50.937	-0.0021	12	-49 47 28.53	-0.004	12	0.68	51.026	45	06.9	28.34	45	06.9		CZ	10587	P -49 5368
91	9.2E	9.0Z	37 51.863	-0.0020	12	-43 14 52.27	-0.002	12	0.70	51.964	36	99.4	52.18	36	99.4	G5	CZ	10588	P -42 5922
92	9.4E	9.4H	37 53.594	0.0010	12	-45 30 21.36	0.006	12	0.68	53.545	36	02.0	21.67	36	02.0	G0	CZ	10589	P -45 5998
93	9.9E	8.9Z	37 57.371	-0.0022	12	-43 43 53.00	0.002	12	0.69	57.478	36	01.0	53.11	36	01.0	K0	CZ	10590	P -43 5851
94	9.8E	8.6Z	38 5.643	0.0000	12	-40 46 21.76	-0.014	12	0.85	5.643	63	99.2	21.06	57	99.2	K0	CZ	10591	P -40 5858
95		6.7T	38 25.170	-0.0080	10	-43 49 36.79	-0.003	08	0.43	25.506	15	08.2	36.63	14	04.6	K5	GC	17251	C -43 7813
96	9.5E	9.5Z	38 26.015	-0.0027	12	-43 0 32.37	0.004	12	0.67	26.153	28	98.7	32.58	26	98.7	F5	CZ	10594	P -42 5926
97	9.8E	9.0Z	38 26.441	-0.0071	12	-47 23 0.56	-0.217	12	0.67	26.775	36	03.0	50.38	36	03.0	K0	CZ	10592	P -46 5920
98	10.1E	9.2Z	38 26.713	-0.0005	12	-44 25 57.69	-0.022	12	0.74	26.736	45	99.9	56.59	45	99.9	A2	CZ	10595	P -44 6035
99		8.2T	38 31.191	-0.0010	13	-48 32 35.73	-0.009	12	0.67	31.240	22	00.6	35.28	21	97.6	B9	GC	17254	C -48 7596
00	9.7E	9.0Z	38 31.921	-0.0010	12	-46 30 27.69	-0.010	12	0.65	31.970	31	01.3	27.22	28	01.3	F8	CZ	10598	P -46 5921

223600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 12H DM NUMBER
1		5.8M	12 38 37.535	-0.0071	04	-45 52 19.86	0.053	03	0.14	37.750	07	19.7	21.56	07	17.6	K0	F4	1325	C -45 7944
2	9.6E	8.9Z	38 42.782	-0.0092	12	-47 20 56.42	-0.018	12	0.72	43.217	45	02.8	55.59	45	02.8	F8	CZ	10601	P -46 5923
3		2.4M	38 44.898	-0.0192	03	-48 41 7.32	-0.008	03	0.15	45.820	06	02.0	6.95	06	02.1	A0 J	F3	4780	*
4	8.6E	8.2Z	38 45.634	0.0004	12	-49 54 28.57	-0.071	12	0.64	45.615	36	05.7	25.41	36	05.7	F8	CZ	10602	P -49 5384
5	9.3E	9.5Z	38 45.714	-0.0011	12	-43 22 15.55	-0.006	12	0.75	45.769	45	99.4	15.25	45	99.4	A2	CZ	10604	P -42 5931
6	9.8E	9.1E	38 54.904	-0.0054	12	-46 49 53.16	-0.025	12	0.65	55.167	31	01.3	51.96	28	01.3	A0	CZ	10605	P -46 5926
7	10.0E	9.3Z	38 9.087	-0.0015	12	-41 22 3.93	-0.026	12	0.67	9.164	28	98.6	2.61	28	98.6	F8	CZ	10608	P -40 5866
8		9.4T	38 9.256	-0.0001	10	-47 19 54.77	-0.002	08	0.41	9.263	15	09.0	54.69	15	05.0	K2	GC	17272	C -46 8104
9	10.3E	9.4Z	38 13.912	-0.0015	12	-43 37 25.36	-0.005	12	0.75	13.967	45	99.4	25.11	45	99.4	A2	CZ	10609	P -43 5857
10	10.2E	9.0Z	38 30.137	-0.0011	12	-43 40 57.91	-0.004	12	0.75	30.192	45	99.4	57.72	45	99.4	K2	CZ	10612	P -43 5861
11	10.0E	9.5Z	38 36.196	-0.0088	12	-43 12 20.73	0.006	12	0.67	36.647	28	98.6	21.04	28	98.6	G0	CZ	10613	P -42 5944
12	8.9E	8.7Z	38 45.103	-0.0035	12	-46 59 53.56	-0.022	12	0.72	45.268	45	02.8	32.55	45	02.8	F2	CZ	10615	P -46 5932
13	9.7E	9.6Z	38 46.595	-0.0004	12	-45 25 44.30	0.000	12	0.73	46.612	45	01.9	44.32	45	01.9	A5	CZ	10616	P -45 6008
14		4.6T	38 48.700	-0.0129	07	-48 32 19.34	-0.035	05	0.30	49.239	12	08.2	17.65	12	01.0	K0	GC	17282	C* -48 7808
15	9.5E	9.0M	38 54.671	-0.0043	12	-49 59 30.67	-0.003	12	0.64	54.674	31	02.3	30.50	28	02.3	F0	CZ	10619	P -49 5397
16	9.7E	9.7Z	38 56.049	-0.0030	12	-47 19 11.55	-0.018	12	0.72	56.191	45	02.8	10.72	45	02.8	A0	CZ	10620	P -46 5935
17	9.7E	8.5Z	40 0.734	-0.0051	12	-45 58 11.50	-0.018	12	0.73	0.979	45	01.9	10.65	45	01.9	G5	CZ	10621	P -45 6009
18	9.4E	8.2Z	40 1.978	-0.0048	12	-47 39 10.02	0.000	12	0.72	2.204	45	02.8	10.05	45	02.8	K0	CZ	10622	P -47 5615
19	9.9E	9.0Z	40 10.527	-0.0003	12	-48 44 37.24	-0.021	12	0.71	10.540	45	03.4	36.27	45	03.4	G0	CZ	10625	P -48 4982
20	9.4E	9.0Z	40 16.991	-0.0011	12	-48 28 34.71	-0.007	12	0.71	17.042	45	03.4	34.40	45	03.4	A5	CZ	10626	P -48 4984
21	8.9E	8.3Q	40 32.294	-0.0006	12	-45 19 39.64	-0.024	12	0.66	32.292	31	00.7	38.48	28	00.7	F0	CZ	10627	P -44 6043
22	10.3E	9.6Z	40 37.081	-0.0023	12	-47 56 46.19	-0.014	12	0.72	37.189	45	02.8	45.55	45	02.8	A3	CZ	10629	P -47 5616
23	9.8E	9.0M	40 41.516	-0.0014	12	-49 22 55.74	-0.017	12	0.64	41.582	31	02.3	54.92	28	02.3	A0	CZ	10630	P -48 4988
24	10.2E	8.8M	40 43.180	-0.0045	12	-48 9 59.31	-0.009	12	0.65	43.399	31	01.3	58.89	28	01.3	K2	CZ	10631	P -47 5617
25	8.3E	7.0M	40 46.254	-0.0082	12	-41 2 54.21	-0.004	12	0.68	46.680	28	97.9	54.02	26	97.9	MA	CZ	10632	P -40 5879
26	10.0E	8.7Z	40 48.701	-0.0031	12	-44 45 30.24	-0.021	12	0.67	48.856	31	99.4	29.17	28	99.4	K0	CZ	10633	P -44 6044
27	10.5E	9.0Z	40 52.956	0.0001	12	-43 41 22.75	-0.005	12	0.67	52.950	28	98.7	22.51	26	98.7	K0	CZ	10635	P -43 5865
28	10.1E	9.5*	40 58.436	-0.0208	12	-44 24 5.16	-0.016	12	0.67	59.486	31	99.4	4.25	28	99.4	F8	CZ	10637	P -43 5866
29	9.9E	9.6Z	41 1.168	-0.0001	12	-49 52 7.19	-0.013	12	0.71	1.171	45	03.9	6.57	45	03.9	A0	CZ	10636	P -49 5413
30	9.6E	8.5Z	41 14.757	0.0009	12	-44 42 45.96	-0.032	12	0.74	14.710	45	99.9	44.34	45	99.9	F8	CZ	10639	P -44 6046
31	9.7E	9.0Z	41 25.792	-0.0001	12	-47 3 15.48	-0.014	12	0.65	25.797	31	01.3	14.82	28	01.3	F8	CZ	10640	P -46 5949
32	10.0E	9.5Z	41 29.155	-0.0013	12	-42 14 53.33	-0.018	12	0.67	29.221	28	98.6	52.39	26	98.6	F8	CZ	10641	P -41 6062
33	10.0E	9.5Z	41 33.144	-0.0037	12	-45 8 57.23	-0.018	12	0.74	33.330	45	99.9	56.32	45	99.9	G0	CZ	10642	P -44 6048
34	9.9E	8.8Z	41 33.252	-0.0036	12	-42 30 59.75	-0.010	12	0.75	33.428	45	99.4	59.24	45	99.4	K0	CZ	10643	P -42 5960
35		8.0T	41 34.953	-0.0123	26	-41 48 23.17	0.003	26	1.21	35.529	19	03.1	25.33	19	03.1	F5	GC	17318	C -41 7374
36	10.9E	9.1*	41 44.305	-0.0002	12	-42 42 6.87	-0.011	12	0.67	44.315	28	98.7	6.30	26	98.7	K2	CZ	10646	P -42 5964
37	10.0E	9.5Z	41 45.190	-0.0016	12	-46 5 4.83	-0.010	12	0.66	45.270	31	00.7	4.36	28	00.7	K0	CZ	10645	P -45 6015
38	9.7E	9.0Z	41 47.667	-0.0004	12	-49 2 37.32	-0.020	12	0.71	47.648	45	03.4	36.38	45	03.4	A3	CZ	10647	P -48 4999
39	9.0E	8.0Z	41 49.407	-0.0049	12	-49 45 34.65	-0.015	12	0.71	49.631	45	03.9	33.95	45	03.9	K0	CZ	10648	P -49 5427
40	8.9E	8.5Z	41 50.108	0.0047	12	-45 37 49.93	0.005	12	0.73	49.881	45	01.9	50.19	45	01.9	F2	CZ	10649	P -45 6017
41	9.9E	9.3Z	41 50.352	-0.0041	12	-43 33 6.32	0.001	12	0.75	50.558	45	99.4	6.38	45	99.4	F2	CZ	10650	P -43 5871
42	9.0E	9.0Z	41 52.858	-0.0041	12	-48 0 49.52	-0.018	12	0.66	53.050	36	03.3	48.70	36	03.3	A0	CZ	10651	P -47 5626
43	9.0E	8.0Z	42 27.521	-0.0035	12	-46 39 40.56	-0.014	12	0.63	27.688	28	02.1	39.90	26	02.1	K0	CZ	10654	P -46 5958
44		6.5T	42 35.590	0.0003	12	-47 53 50.29	0.007	11	0.64	35.536	22	99.4	50.66	21	96.2	K0	GC	17335	C -47 7830
45		9.1T	42 38.642	-0.0031	22	-41 5 34.18	-0.049	22	1.07	38.786	18	03.5	31.87	18	03.0	K0	GC	17338	C -40 7471
46	9.4E	9.1Z	42 40.021	-0.0018	12	-44 27 41.26	-0.018	12	0.70	40.109	36	00.1	40.36	36	00.1	A2	CZ	10658	P -44 6055
47	9.9E	9.1Z	42 40.905	-0.0049	12	-45 35 19.21	-0.072	12	0.68	41.141	36	01.4	15.73	36	01.4	G0	CZ	10659	P -45 6023
48	9.8E	9.3Z	42 48.823	-0.0013	12	-44 13 56.37	-0.036	12	0.70	48.887	36	99.4	54.55	36	99.4	F8	CZ	10660	P -43 5877
49		7.4T	42 54.631	-0.0301	22	-49 54 20.40	-0.115	20	0.99	56.004	21	04.3	15.08	21	03.7	F5	GC	17343	C -49 7357
50	8.8E	8.5Z	42 56.354	0.0002	12	-48 2 17.55	-0.008	12	0.63	56.345	28	02.1	17.18	26	02.1	A3	CZ	10663	P -47 5639
51	9.8E	9.5Z	12 42 58.086	-0.0042	12	-42 4 38.32	-0.017	12	0.67	58.280	28	98.8	37.44	26	98.8	F5	CZ	10664	P -41 6083
52	9.5	9.1W	42 58.169	-0.0057	13	-40 0 15.38	-0.039	13	0.26	58.252	15	35.4	14.82	21	35.4	F8	C8	6053	C -39 7813
53	8.2E	7.0H	43 4.065	-0.0041	12	-45 34 19.90	-0.018	12	0.65	4.266	28	00.7	19.04	26	00.7	F0	CZ	10666	P -45 6027
54	9.8E	9.3H	43 6.930	-0.0024	12	-45 25 9.95	0.019	12	0.68	7.045	36	01.4	10.89	36	01.4	K0	CZ	10667	P -45 6028
55	8.7E	8.5Z	43 16.640	-0.0037	12	-45 13 41.65	-0.005	12	0.65	16.827	26	99.7	41.38	24	99.7	F0	CZ	10668	P -44 6056
56	10.0E	9.2M	43 20.618	-0.0018	12	-41 47 59.46	-0.008	12	0.67	20.710	28	98.7	59.05	26	98.7	K0	CZ	10670	P -41 6089
57	10.0E	9.8Z	43 22.584	-0.0013	12	-46 39 39.16	0.000	12	0.66	22.645	36	03.3	39.18	36	03.3		CZ	10669	P -46 5965
58	8.7E	8.5Z	43 27.693	-0.0023	12	-49 2 19.62	-0.011	12	0.65	27.803	31	02.1	19.09	28	02.1	A2	CZ	10671	P -48 5022
59	10.1E	8.0M	43 27.769	0.0012	12	-43 43 31.57	-0.007	12	0.67	27.707	28	98.5	31.22	26	98.5	MA	CZ	10673	P -43 5881
60	8.6E	8.5Z	43 34.216	0.0006	12	-48 20 18.33	-0.008	12	0.71	34.188	45	03.4	17.98	45	03.4	F0	CZ	10674	P -47 5643
61	9.5E	9.3Z	43 34.527	-0.0035	12	-45 48 5.99	-0.008	12	0.73	34.696	45	01.9	5.62	45	01.9	G0	CZ	10675D	P* -45 6031
62	10.6E	10.0M	43 47.410	-0.0000	12	-44 1 39.18	-0.045	12	0.67	47.412	28	98.7	36.87	26	98.7		CZ	10677	P -43 5886
63	9.5	8.9W	43 50.991	-0.0138	13	-40 3 4.96	-0.058	13	0.26	51.192	15	35.4	4.12	21	35.4	G5	C8	6060	C -39 7821
64		7.9T	43 54.627	-0.0042	14	-47 0 25.89	-0.014	11	0.68	54.840	17	99.8	25.14	17	95.9	K0	GC	17356	C -46 8169
65	9.8E	9.5Z	43 58.145	0.0073	12	-48 49 59.61	-0.050	12	0.71	57.805	45	03.4	57.27	45	03.4	G5	CZ	10679	P -48 5028
66	8.5	7.6W	44 7.343	-0.0020	13	-40 1 35.48	-0.046	13	0.26	7.372	15	35.4	34.82	21	35.4	K0	C8	6062	C -39 7824
67	9.7E	9.0Z	44 13.452	0.0021	12	-46 7 55.25	-0.047	12	0.73	13.351	45	01.9	53.01	45	01.9	F8	CZ	10682	P -45 6036
68	8.6E	8.0Z	44 17.554	-0.0012	12	-42 59 29.64	-0.004	12	0.75	17.614	45	99.4	29.44	45	99.4	K0	CZ	10683	P -42 5982
69	9.2E	8.3Z	44 18.548	0.0005	12	-41 49 1.23	0.007	12	0.75	18.522	45	99.4	1.57	45	99.4	K0	CZ	10684	P -41 6091
70	9.6E	9.5Z	44 22.099	-0.0007	12	-49 12 5.14	-0.004	12	0.71	22.132	45	03.4	4.95	45	03.4	F8	CZ	10685	P -48 5030
71	8.9E	8.1Z	44 25.424	0.0002	12	-42 39 21.88	0.008	12	0.67	25.413	28	98.4	22.28	26	98.4	G5	CZ	10686	P -42 5983
72	10.0E	9.5Z	44 40.444	-0.0185	12	-43 27 26.03	-0.111	12	0.75	41.379	45	99.4	20.42	45	99.4	G0	CZ	10688	P -43 5893
73	9.7E	9.0Z	44 44.110	-0.0020	12	-45 41 43.11	-0.028	12	0.73	44.205	45	01.9	41.79	45	01.9	G5	CZ	10689	P -45 6040
74	9.4E	9.5Z	45 2.567	-0.0024	12	-47 28 25.37	-0.003	12	0.65	2.682	31	02.0	25.25	28	02.0	A0	CZ	10692	P -47 5653
75	9.9E	9.0Z	45 5.265	0.0055	12	-48 28 50.62	-0.058	12	0.65	5.021	31	02.1	47.65	28	02.1	F5	CZ	10693	P -48 5037
76	9.0E	8.7Z	45 8.850	-0.0021	12	-46 12 59.86	-0.011	12	0.66	8.954	31	00.7	59.36	28	00.7	A0	CZ	10694	P -45 6044
77		7.0T	45 29.489	-0.0022	10	-44 26 45.83	-0.012	08	0.42	29.561	15	08.4	45.26	14	04.5	A0	GC	17383	C -44 8235
78	9.1E	8.5Z	45 35.834	-0.0038	12	-43 3 36.73	-0.011	12	0.67	36.029	28	98.4	36.17	26	98.4	F2	CZ	10697	P -42 5991
79	8.9E	8.5Z	45 46.443	-0.0040	12	-45 8 48.97	-0.012	12	0.67	46.647	31	99.4	48.35	28	99.4	F0	CZ	10698	P -44 6069
80	9.5E	9.0M	45 58.848	-0.0046	12	-45 17 47.80	-0.014	12	0.73	59.067	45	01.9	47.15	45	01.9	K0	CZ	10699	P -44 6071
81	8.6E	8.4Z	46 0.299	-0.0004	12	-43 26 35.13	-0.022	12	0.75	0.318	45	99.4	34.02	45	99.4	B9	CZ	10701	P -43 5904
82	9.8E	9.4Z	46 0.782	-0.0076	12	-45 53 9.14	-0.028	12	0.73	1.148	45	01.9	7.82	45	01.9		CZ	10700	P -45 6049
83	8.7E	8.6*	46 16.858	-0.0003	12	-43 40 36.49	0.000	12	0.67	16.873	28	98.6	36.49	26	98.6	A2	CZ	10704	P -43 5907
84	8.4E	8.0Z	46 20.812	-0.0069	12	-42 21 44.40	-0.016	12	0.67	21.166	28	98.6	43.57	26	98.6	G0	CZ	10708	P -41 6100
85	9.5E	9.1*	46 21.271	0.0001	12	-46 19 58.83	-0.021	12	0.65	21.266	31	02.0	57.84	28	02.0	A0	CZ	10705	P -45 6053
86	11.9E	9.6*	46 23.517	0.0003	12	-49 13 49.92	-0.009	12	0.65	23.502	31	02.1	49.47	28	02.1		CZ	10707	P -48 5052
87	9.8E	9.8M	46 29.485	-0.0006	12	-40 21 37.75	-0.024	12	0.85	29.515	63	99.4	36.55	57	99.4	A2	CZ	10709	P -39 5737
88		7.0T	46 36.859	-0.0034	10	-40 30 11.80	0.014	07	0.40	37.004	15	07.2	12.45	14	03.7	K0	GC	17405	C -40 7509
89	10.2E	9.7Z	46 38.793	-0.0012	12	-46 40 39.67	-0.009	12	0.71	38.848	45	03.8	39.27	45	03.8	A2	CZ	10710	P -46 5981
90		8.6T	46 44.075	-0.0027	20	-45 33 11.84	-0.073	18	0.92	44.200	19	02.8	8.33	19	01.9	K0	GC	17406	C -45 8040
91	9.8E	9.0Z	46 44.650	-0.0012	12	-42 56 23.00	-0.006	12	0.67	44.712	28	98.5	22.70	26	98.5	F2	CZ	10714	P -42 5999
92	10.4E	9.5Z	46 44.877	-0.0011	12	-48 2 3.22	-0.002	12	0.71	44.928	45	03.9	3.14	45	03.9	F2	CZ	10712	P -47 5667
93	9.8E	8.2Z	46 49.561	-0.0028	12	-45 37 58.99	-0.037	12	0.73	49.694	45	01.9	57.23	45	01.9	K2	CZ	10715	P -45 6057
94	8.6E	8.0Z	47 4.265	-0.0021	12	-49 35 46.91	-0.038	12	0.64	4.363	31	02.4	45.09	28	02.4	K0	CZ	10720	P -49 5490
95	9.8E	9.4Z	47 25.111	-0.0024	12	-45 54 3.60	-0.021	12	0.67	25.226	36	02.4	2.62	36	02.4	F8	CZ	10721	P -45 6063
96	9.8E	8.5Z	47 28.326	-0.0018	12	-49 34 42.46	-0.009	12	0.71	28.407	45	03.9	42.03	45	03.9		CZ	10722	P -49 5494
97	9.1E	8.5Z	47 29.379	-0.0053	12	-49 35 28.64	-0.022	12	0.71	29.621	45	03.9	27.62	45	03.9	G0	CZ	10723	P -49 5495
98		6.4T	47 30.088	-0.0038	12	-48 11 15.27	-0.001	11	0.63	30.280	17	99.8	15.22	18	97.9	A0	GC	17422	C -47 7893
99		8.3T	47 36.634	-0.0060	18	-46 56 59.35	-0.027	13	0.79	36.916	21	03.3	58.03	19	01.2	F5	GC	17424	C -46 8203
00	8.9E	9.3Z	47 44.005	-0.0014	12	-41 38 3.87	-0.010	12	0.67	44.077	28	98.6	3.37	26	98.6	A3	CZ	10729D	P* -41 6109

223700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.5E	8.7Z	12 47 45.199	-0.0003	12	-41 25 26.86	-0.028	12	0.70	45.213	36	99.4	25.45	36	99.4	F2	CZ	10730	P -41 6110
2	10.6E	9.5*	47 58.255	-0.0012	12	-42 55 2.53	-0.006	12	0.67	58.316	28	98.7	2.23	26	98.7	A2	CZ	10732	P -42 6005
3	9.5E	9.1*	48 13.715	-0.0008	12	-48 31 20.00	-0.001	12	0.63	13.752	28	02.4	19.96	26	02.4	A0	CZ	10733	P -48 5085
4	9.9E	9.4Z	48 14.706	-0.0032	12	-44 36 44.16	-0.013	12	0.70	14.864	36	99.7	43.50	36	99.7	F2	CZ	10734	P -44 6097
5	9.4E	8.5Z	48 15.295	0.0017	12	-43 44 39.70	-0.028	12	0.67	15.208	28	98.9	38.28	26	98.9	K0	CZ	10735	P -43 5916
6	8.6E	9.0Z	48 17.644	-0.0018	12	-40 58 45.77	-0.014	12	0.85	17.734	63	99.4	45.08	57	99.4	A2	CZ	10737	P -40 5929
7	7.9E	9.0Z	48 18.723	-0.0012	12	-49 48 59.39	-0.021	12	0.71	18.780	45	03.9	58.41	45	03.9	A0	CZ	10736	P -49 5504
8	9.2E	8.8*	48 22.158	-0.0051	12	-46 0 25.56	-0.006	12	0.64	22.406	28	01.4	25.29	26	01.4	F0	CZ	10739	P -45 6072
9	10.2E	10.0Z	48 22.575	-0.0029	12	-47 0 48.79	-0.020	12	0.66	22.709	36	03.7	47.88	36	03.7		CZ	10738	P -46 5992
10	8.5E	8.5Z	48 24.865	-0.0090	12	-49 59 44.01	-0.006	12	0.71	25.279	45	03.9	43.71	45	03.9	F5	CZ	10740	P -49 5507
11	9.6E	8.0Z	48 25.267	-0.0027	12	-46 35 54.17	-0.025	12	0.66	25.393	36	03.7	53.02	36	03.7	G5	CZ	10742	P -46 5994
12	9.8E	9.5Z	48 31.960	0.0015	12	-48 21 17.55	-0.006	12	0.66	31.890	36	03.4	17.29	36	03.4	G0	CZ	10743	P -47 5683
13	10.1E	9.2Z	48 33.299	-0.0024	12	-47 49 49.43	-0.004	12	0.66	33.410	36	03.7	49.26	36	03.7	G	CZ	10744	P -47 5684
14	10.2E	9.2Z	48 45.220	-0.0058	12	-48 27 20.00	-0.005	12	0.74	45.508	45	99.9	26.95	45	99.9	F8	CZ	10745	P -44 6102
15		9.6T	48 46.345	-0.0081	22	-42 4 17.07	-0.014	22	1.06	46.719	19	03.7	16.45	19	03.7	K2	GC	17444	C -41 7442
16	9.4E	8.6Z	48 59.424	-0.0027	12	-41 2 10.09	-0.013	12	0.85	59.560	63	99.4	9.45	57	99.4	A0	CZ	10749	P -40 5936
17	9.6E	9.0Z	49 1.381	-0.0004	12	-47 14 5.26	-0.006	12	0.71	1.399	45	03.8	5.01	45	03.8	B9	CZ	10748	P -46 6000
18	10.0E	9.2Z	49 3.238	-0.0008	12	-48 48 33.33	-0.005	12	0.71	3.275	45	03.9	33.11	45	03.9	A0	CZ	10750	P -47 5689
19	10.5E	9.2*	49 10.589	-0.0062	12	-47 0 4.93	-0.010	12	0.65	10.886	31	02.0	4.47	28	02.0	A3	CZ	10751	P -46 6003
20		6.4T	49 15.572	-0.0061	10	-47 49 21.30	0.009	08	0.41	15.823	17	08.9	21.70	15	05.4	A0	GC	17454	C -47 7917
21	9.9E	9.5Z	49 28.708	-0.0027	12	-42 45 55.63	-0.012	12	0.75	28.844	45	99.4	55.02	45	99.4	A5	CZ	10757	P -42 6014
22	9.5E	9.0Z	49 30.149	-0.0023	12	-45 13 11.95	0.009	12	0.74	30.265	45	99.9	12.38	45	99.9	A2	CZ	10758D	P*-44 6107
23	7.4E	7.8*	49 31.902	-0.0027	12	-49 19 37.41	-0.000	12	0.64	32.030	31	02.4	37.41	28	02.4	B9	CZ	10756	P -48 5101
24	9.8E	9.2Z	49 32.760	0.0001	12	-41 3 20.14	-0.010	12	0.85	32.754	63	99.4	19.65	57	99.4		CZ	10759	P -40 5938
25	10.4E	9.1Z	49 36.779	-0.0010	12	-46 38 54.86	-0.007	12	0.71	36.825	45	03.8	54.55	45	03.8	K2	CZ	10760	P -46 6006
26	10.1E	9.5Z	49 45.316	-0.0072	12	-48 10 57.30	0.012	12	0.71	45.648	45	03.9	57.87	45	03.9	F8	CZ	10762	P -47 5696
27	8.6E	8.5Z	49 47.769	-0.0012	12	-40 40 9.82	-0.033	12	0.69	47.831	31	98.1	8.13	28	98.1	A2	CZ	10763	P -40 5939
28	8.8E	9.0Z	49 58.088	-0.0002	12	-40 54 46.86	-0.022	12	0.85	58.097	63	99.4	45.76	57	99.4	F0	CZ	10766	P -40 5941
29	10.2E	9.0Z	49 58.298	-0.0026	12	-46 21 20.39	-0.018	12	0.65	58.423	31	02.0	19.54	28	02.0	K0	CZ	10765	P -45 6088
30	10.2E	9.2Z	50 9.854	-0.0031	12	-45 15 59.96	-0.016	12	0.69	10.007	36	01.1	59.17	36	01.1	F8	CZ	10767	P -44 6111
31		4.4T	50 16.447	-0.0086	07	-48 40 17.35	-0.023	05	0.30	16.810	14	07.8	16.22	12	00.3	K2	GC	17473	C*-48 7753
32	10.5E	8.5Z	50 17.168	-0.0010	12	-43 11 6.82	-0.025	12	0.65	17.218	24	98.6	5.54	20	98.6	K2	CZ	10769	P -42 6018
33		7.6T	50 29.344	-0.0030	20	-44 52 14.12	-0.004	20	0.94	29.485	19	03.3	13.92	19	02.8	K0	GC	17481	C -44 8298
34	10.0E	9.0Z	50 34.357	0.0008	12	-49 50 1.59	0.004	12	0.71	34.318	45	03.9	1.76	45	03.9	G5	CZ	10772	P -49 5543
35	11.1E	9.8H	50 34.915	0.0005	12	-49 49 53.65	-0.004	12	0.71	34.890	45	03.9	53.45	45	03.9	G5	CZ	10773	P -49 5543
36	9.8E	9.4Z	50 41.416	0.0024	12	-47 37 0.80	-0.027	12	0.71	41.305	45	03.9	59.58	45	03.9	G5	CZ	10775	P -47 5704
37		7.2T	50 45.955	-0.0067	14	-42 48 14.74	-0.013	10	0.67	46.280	18	01.2	14.00	19	93.8	A5	GC	17491K	C -42 7953
38	9.8E	9.5Z	50 48.388	-0.0026	12	-49 54 17.91	0.016	12	0.67	48.509	36	02.7	18.65	36	02.7	F8	CZ	10776	P -49 5544
39	10.5E	9.3*	51 0.848	-0.0025	12	-48 9 20.61	-0.050	12	0.65	0.968	31	02.0	18.23	28	02.0	F8	CZ	10780	P -47 5708
40	9.4E	9.0Z	51 5.383	-0.0028	12	-44 50 16.00	-0.008	12	0.74	5.522	45	99.9	15.61	45	99.9	F2	CZ	10781	P -44 6121
41		8.0T	51 22.423	0.0021	20	-43 36 39.46	-0.014	20	0.91	22.331	24	05.5	38.81	24	05.1	K0	GC	17507	C -43 7943
42	10.2E	9.2Z	51 26.927	-0.0025	12	-44 7 50.19	-0.012	12	0.67	27.053	28	98.7	49.58	26	98.7	F5	CZ	10785	P -43 5933
43	10.3E	9.7Z	51 37.199	-0.0014	12	-46 35 12.21	-0.016	12	0.71	37.263	45	03.8	11.49	45	03.8	A2	CZ	10786	P -46 6022
44	10.0E	9.7Z	51 42.216	-0.0017	12	-48 13 21.13	-0.004	12	0.71	42.294	45	03.9	20.97	45	03.9	A2	CZ	10788	P -47 5714
45	10.8E	9.6*	51 42.291	-0.0004	12	-48 57 50.20	-0.006	12	0.65	42.310	31	01.0	49.89	28	01.0		CZ	10787	P -48 5133
46	10.0E	8.0Z	51 42.694	-0.0009	12	-44 59 58.22	0.010	12	0.74	42.737	45	99.9	58.72	45	99.9	K5	CZ	10789	P -44 6126
47	10.0E	9.0*	51 43.620	-0.0020	12	-44 37 0.02	-0.008	12	0.67	43.719	31	99.4	59.61	28	99.4	K2	CZ	10791	P -44 6127
48	9.2E	9.0Z	51 45.183	-0.0023	12	-42 8 25.42	-0.024	12	0.75	45.299	45	99.4	24.20	45	99.4	F5	CZ	10792	P -41 6125
49	9.7E	9.0Z	51 50.078	-0.0223	12	-47 47 24.64	-0.018	12	0.71	51.107	45	03.9	23.82	45	03.9	G0	CZ	10793	P -47 5716
50	10.7E	8.5Z	51 55.121	0.0006	12	-47 2 54.48	-0.012	12	0.65	55.092	31	02.0	53.93	28	02.0	K2	CZ	10794	P -46 6026
51	10.1E	9.6Z	12 51 55.517	-0.0002	12	-44 51 23.51	-0.010	12	0.74	55.525	45	99.9	23.02	45	99.9		CZ	10795	P -44 6132
52	10.2E	9.4*	52 7.866	-0.0031	12	-45 21 24.99	-0.012	12	0.66	8.017	31	00.7	24.42	28	00.7	A2	CZ	10797	P -44 6133
53		6.0T	52 10.809	-0.0209	11	-43 52 40.97	-0.229	09	0.57	11.895	18	98.1	28.12	17	94.0	G0	GC	17523	C -43 7953
54	9.1E	8.0Z	52 17.689	-0.0038	12	-47 49 14.47	-0.004	12	0.66	17.863	36	04.0	14.30	36	04.0	K2	CZ	10800	P -47 5721
55	10.4E	9.5*	52 18.039	-0.0052	12	-43 15 0.16	-0.026	12	0.67	18.305	28	98.7	58.84	26	98.7	F8	CZ	10801	P -42 6027
56		6.8T	52 19.237	0.0003	08	-42 1 12.22	-0.017	07	0.37	19.223	14	04.4	11.42	14	01.7	B3	GC	17525	C -41 7470
57	9.7	9.3W	52 20.662	-0.0021	13	-40 3 27.76	-0.031	13	0.26	20.692	15	35.4	27.32	21	35.4	G5	C8	6130	C -39 7915
58	9.7E	9.0Z	52 24.736	-0.0010	12	-47 30 50.73	0.000	12	0.66	24.781	36	04.0	50.75	36	04.0	G5	CZ	10804	P -47 5722
59	10.3E	8.7Z	52 29.215	-0.0016	12	-41 4 18.85	-0.013	12	0.68	29.297	31	98.4	18.19	28	98.4		CZ	10805	P -40 5955
60		5.5T	52 31.412	-0.0035	07	-42 38 41.38	-0.019	06	0.31	31.554	12	09.1	40.52	12	05.1	K5	GC	17529	C -42 7975
61	10.1E	9.5Z	52 35.380	-0.0012	12	-47 47 14.79	-0.028	12	0.66	35.435	36	04.0	13.51	36	04.0		CZ	10807	P -47 5728
62	9.5E	9.0Z	52 54.970	0.0003	12	-49 17 53.78	-0.005	12	0.72	54.955	45	02.3	53.53	45	02.3	A0	CZ	10808	P -48 5145
63		8.1T	53 9.182	-0.0072	26	-47 45 50.83	0.042	26	1.17	9.510	21	04.5	52.72	21	05.0	A5	GC	17544	C -47 7967
64	10.0E	9.3*	53 9.927	-0.0199	12	-45 51 0.08	-0.077	12	0.65	10.910	28	00.7	56.31	26	00.7		CZ	10811	P -45 6109
65	9.0E	9.0H	53 14.478	-0.0008	12	-40 28 11.46	-0.014	12	0.85	14.519	63	99.4	10.77	57	99.4	G5	CZ	10813	P -40 5961
66	9.1E	8.5*	53 14.500	0.0001	12	-40 43 34.13	0.012	12	0.68	14.494	31	98.4	34.77	28	98.4	K0	CZ	10812	P -40 5960
67	9.6E	8.0Z	53 17.959	-0.0003	12	-44 30 37.20	-0.016	12	0.70	17.972	36	00.1	36.39	36	00.1	K2	CZ	10814	P -44 6139
68	10.7E	9.5Z	53 32.564	-0.0020	12	-43 10 14.42	-0.002	12	0.67	32.665	28	98.7	14.33	26	98.7	K5	CZ	10817	P -42 6042
69	9.8E	9.5Z	53 34.460	-0.0003	12	-44 35 52.49	-0.021	12	0.67	34.473	31	99.4	51.42	28	99.4	A0	CZ	10819	P -44 6141
70	10.3E	9.7Z	53 35.442	-0.0013	12	-46 40 38.78	-0.009	12	0.71	35.502	45	03.8	38.38	45	03.8	A0	CZ	10818	P -46 6039
71	8.3E	8.5Z	53 39.996	-0.0032	12	-45 56 19.65	0.001	12	0.73	40.150	45	01.9	19.72	45	01.9	A0	CZ	10821	P -45 6111
72	9.9E	9.0Z	53 44.437	0.0008	12	-48 2 22.10	-0.005	12	0.66	44.400	36	04.0	21.89	36	04.0	G5	CZ	10822	P -47 5736
73	10.1E	9.5Z	53 47.316	0.0035	12	-45 6 6.43	-0.036	12	0.74	47.141	45	99.9	4.62	45	99.9	F5	CZ	10823	P -44 6142
74		6.9T	53 48.519	-0.0073	14	-47 24 56.40	0.003	10	0.65	48.881	19	00.6	56.57	18	95.9	F5	GC	17559K	C*-47 7972
75	10.3E	9.5Z	53 51.846	0.0001	12	-47 16 30.90	0.009	12	0.71	51.842	45	03.9	31.33	45	03.9		CZ	10825	P -46 6042
76	10.1E	9.2Z	53 56.730	-0.0018	12	-44 5 13.24	-0.027	12	0.67	56.824	28	98.7	11.86	26	98.7	F2	CZ	10826	P -43 5952
77	9.9E	9.0Z	54 2.448	-0.0052	12	-44 55 27.25	-0.006	12	0.74	2.706	45	99.9	26.95	45	99.9	F8	CZ	10827	P -44 6145
78	8.6E	8.5Z	54 2.524	-0.0062	12	-41 38 37.10	-0.007	12	0.75	2.939	45	99.4	36.76	45	99.4	F5	CZ	10828	P -41 6144
79		7.7T	54 5.046	-0.0000	22	-44 51 37.92	-0.006	20	1.00	5.047	21	04.1	37.62	19	03.3	K0	GC	17565	C -44 8338
80	9.4E	9.3Z	54 10.457	-0.0007	12	-49 25 54.50	-0.000	12	0.72	10.491	45	02.3	54.49	45	02.3	A0	CZ	10831	P -49 5582
81	9.1E	9.0Z	54 10.759	-0.0049	12	-48 41 33.50	-0.015	12	0.65	10.998	31	01.1	32.77	28	01.1	A5	CZ	10832	P -48 5165
82	9.0E	9.0Z	54 11.092	-0.0023	12	-48 38 49.46	-0.019	12	0.73	11.201	45	01.9	48.56	45	01.9	A	CZ	10833	P -48 5166
83	8.8E	9.2Z	54 17.751	-0.0020	12	-49 48 14.17	0.009	12	0.72	17.844	45	02.3	14.58	45	02.3	A2	CZ	10835	P -49 5584
84		8.4T	54 20.252	-0.0075	20	-46 56 12.85	-0.009	17	0.87	20.588	24	05.4	12.43	22	03.1	K0	GC	17571	C -46 8281
85	9.0E	9.0Z	54 25.854	0.0001	12	-47 47 23.98	-0.002	12	0.71	25.849	45	03.9	23.91	45	03.9	A0	CZ	10839	P -47 5743
86	8.3E	8.5Z	54 29.580	0.0025	12	-48 21 57.24	-0.006	12	0.73	29.460	45	01.9	56.96	45	01.9	F5	CZ	10841D	P*-47 5744
87		9.8T	54 33.242	-0.0031	26	-47 8 47.96	-0.011	33	1.24	33.373	26	08.1	47.51	24	09.2	A2	GC	17576	C -46 8284
88	9.8E	9.7Z	54 37.422	-0.0013	12	-48 37 2.60	-0.006	12	0.73	37.484	45	01.9	2.32	45	01.9	A0	CZ	10843	P -48 5171
89	8.3E	8.5*	54 43.565	0.0013	12	-49 30 37.22	0.007	12	0.65	43.499	31	01.3	37.55	28	01.3	B2	CZ	10844	P -49 5591
90		9.0T	55 4.428	-0.0017	22	-41 57 52.88	0.010	26	1.14	4.506	19	03.5	53.37	19	03.3	K0	GC	17589	C -41 7499
91	8.7E	7.5Z	55 12.908	0.0036	12	-46 9 25.88	-0.041	12	0.66	12.731	31	00.7	23.89	28	00.7	K2	CZ	10848	P -45 6124
92	9.1E	9.0Z	55 13.886	-0.0009	12	-49 2 14.36	-0.017	12	0.73	13.929	45	01.9	13.53	45	01.9	A2	CZ	10847	P -48 5179
93		7.0T	55 19.594	-0.0032	12	-46 47 41.54	-0.010	10	0.62	19.765	21	97.3	40.97	19	92.7	A0	GC	17593	C -46 8291
94	10.1E	9.6Z	55 20.758	-0.0049	12	-46 45 34.40	-0.015	12	0.71	20.984	45	03.8	33.72	45	03.8		CZ	10850	P -46 6058
95	10.2E	9.1H	55 23.290	-0.0009	12	-45 31 41.81	-0.005	12	0.73	23.331	45	01.9	41.39	45	01.9	K5	CZ	10852	P -45 6125
96	9.4E	8.9Z	55 30.562	-0.0003	12	-49 52 34.12	-0.005	12	0.72	30.575	45	02.3	33.86	45	02.3	K0	CZ	10853	P -49 5602
97		8.7T	55 37.448	-0.0042	22	-45 41 48.85	-0.022	20	0.96	37.628	24	06.7	47.86	24	04.9	A0	GC	17597	C -45 8134
98	9.8E	8.5Z	55 49.065	-0.0015	12	-41 23 46.62	-0.007	12	0.67	49.141	28	98.6	46.28	26	98.6	K2	CZ	10858	P -40 5973
99	10.1E	9.4*	55 52.116	-0.0023	12	-47 41 1.69	-0.008	12	0.65	52.226	31	02.0	1.32	28	02.0		CZ	10857	P -47 5756
00	8.4E	7.5Z	55 54.915	0.0055	12	-40 42 57.42	-0.009	12	0.85	54.636	63	99.4	56.99	57	99.4	K0	CZ	10859	P -40 5975

223800 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −40° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.4E	9.2*	12 56 9.333	-0.0029	12	-45 23 26.43	-0.023	12	0.66	9.474	31	00.7	25.32	28	00.7	F5	CZ	10861	P -44 6162
2	9.9E	9.3Z	56 14.838	-0.0010	12	-48 26 54.84	-0.008	12	0.73	14.887	45	01.9	54.57	45	01.9	A0	CZ	10864	P -48 5190
3		7.9T	56 15.272	0.0011	16	-44 28 23.88	-0.030	22	0.94	15.224	24	05.1	22.53	24	05.6	K2	GC	17608	C -44 8363
4		8.0T	56 16.788	-0.0041	12	-45 41 32.71	0.010	11	0.61	16.992	18	99.9	33.27	19	94.5	F0	GC	17610	C -45 8144
5	9.8E	9.3Z	56 18.863	-0.0011	12	-49 4 45.88	-0.009	12	0.65	18.917	31	01.0	45.43	28	01.0	A0	CZ	10866	P -48 5182
6		7.5T	56 18.879	-0.0014	13	-43 26 5.52	-0.038	12	0.69	18.946	22	00.7	3.53	21	97.9	K0	GC	17613	C -43 7985
7	9.3E	8.5Z	56 19.047	-0.0038	12	-40 43 14.90	-0.009	12	0.85	19.238	63	99.4	14.47	57	99.4	K0	CZ	10869	P -40 5980
8	9.7E	8.5Z	56 20.467	-0.0016	12	-41 20 23.48	-0.004	12	0.73	20.547	45	99.4	23.30	45	99.4	A0	CZ	10870	P -40 5981
9	10.1E	9.0Z	56 29.889	-0.0041	12	-43 43 20.85	-0.020	12	0.75	30.086	45	99.4	19.84	45	99.4	A0	CZ	10871	P -43 5985
10		9.5T	56 34.187	-0.0003	20	-46 36 51.63	-0.023	20	0.91	34.202	24	05.4	50.60	24	04.9	G5	GC	17619	C -46 8308
11	10.3E	9.0Z	56 39.334	-0.0022	12	-45 40 32.90	-0.021	12	0.73	39.438	45	01.9	31.99	45	01.9	K0	CZ	10876	P -45 6143
12	9.3E	9.0Z	56 40.014	0.0005	12	-48 15 23.19	-0.019	12	0.71	39.991	45	03.9	22.33	45	03.9	F8	CZ	10874	P -47 5784
13	9.3E	9.0Z	56 41.260	0.0016	12	-48 15 19.73	-0.016	12	0.71	41.246	45	03.9	19.01	45	03.9	F8	CZ	10875	P -47 5784
14		8.8T	56 43.217	-0.0052	16	-41 43 39.77	-0.022	16	0.86	43.450	24	05.1	38.80	24	04.8	K0	GC	17623	C -41 7507
15	9.4E	8.7Z	56 44.157	-0.0016	12	-49 4 7.35	-0.005	12	0.67	44.231	36	02.3	7.08	36	02.3	A2	CZ	10877	P -49 5823
16	10.4E	9.0*	56 45.561	0.0013	12	-44 13 10.16	-0.009	12	0.67	45.492	28	98.7	9.70	28	98.7	K0	CZ	10880	P -43 5967
17	10.3E	9.0Z	56 46.530	-0.0004	12	-45 39 40.51	-0.020	12	0.73	46.644	45	01.9	39.56	45	01.9	K0	CZ	10881	P -45 6145
18		8.5T	56 47.620	-0.0067	22	-43 36 7.44	-0.000	22	1.06	47.932	19	03.6	7.42	19	03.6	K0	GC	17624	C -43 7982
19	10.0E	9.2*	57 3.145	-0.0110	12	-42 17 26.23	-0.098	12	0.67	3.709	28	98.7	21.20	28	98.7	G0	CZ	10885	P -41 6161
20	10.1E	9.0Z	57 5.951	-0.0086	12	-44 52 55.38	0.005	12	0.67	6.081	31	99.4	55.63	28	99.4	K0	CZ	10887	P -44 6171
21		7.8T	57 8.298	-0.0008	17	-45 50 33.90	-0.000	13	0.77	8.334	18	02.7	33.90	21	97.9	K2	GC	17633	C -45 8153
22	10.1E	9.0Z	57 8.292	-0.0029	12	-49 44 46.52	-0.007	12	0.75	8.432	45	01.3	46.17	45	01.3	G5	CZ	10888	P -49 5827
23		7.4T	57 10.692	-0.0063	15	-41 7 16.55	-0.016	11	0.69	11.001	18	00.9	15.71	17	97.9	F2	GC	17634K	C*-40 7615
24	8.7E	8.0Z	57 12.623	0.0016	12	-40 36 50.82	-0.002	12	0.85	12.541	63	99.4	50.74	57	99.4	A0	CZ	10890	P -40 5985
25	10.2E	9.3*	57 17.053	0.0012	12	-46 52 51.00	-0.016	12	0.63	16.995	28	02.1	50.25	28	02.1	F8	CZ	10891	P -46 6081
26	10.0E	9.6Z	57 17.710	-0.0021	12	-46 12 26.80	-0.002	12	0.68	17.811	36	02.0	26.72	36	02.0	A0	CZ	10892	P -45 6148
27		7.0T	57 23.663	0.0029	15	-48 20 2.91	0.002	11	0.68	23.521	18	00.9	3.02	15	97.7	K0	GC	17639K	C*-47 8012
28	8.0E	7.3Z	57 28.737	-0.0045	12	-42 13 53.71	0.001	12	0.67	28.967	28	98.8	53.75	28	98.8	F2	CZ	10895	P -41 6166
29	10.1E	9.8Z	57 35.054	-0.0014	12	-45 48 19.96	-0.018	12	0.68	35.122	36	02.0	19.12	36	02.0		CZ	10897	P -45 6151
30		8.4T	57 35.256	-0.0006	17	-41 23 11.66	-0.031	18	0.86	35.284	19	02.2	10.17	19	02.0	G5	GC	17642	C -40 7621
31	10.1E	9.5Z	57 35.624	-0.0040	12	-49 30 45.06	0.009	12	0.73	35.817	45	01.3	45.48	45	01.3		CZ	10896	P -49 5832
32		7.3T	57 39.451	0.0010	15	-42 49 8.57	-0.023	13	0.70	39.400	18	00.4	7.36	18	97.9	K0	GC	17644	C -42 8037
33	9.8E	9.0*	57 44.979	-0.0070	12	-40 18 7.71	-0.042	12	0.69	45.341	31	98.2	5.56	28	98.2	G8	CZ	10900	P -39 5814
34	9.6E	9.0Z	57 58.306	-0.0076	12	-42 39 0.20	-0.015	12	0.70	58.690	36	99.4	59.43	36	99.4	G0	CZ	10903	P -42 6080
35	9.3E	9.0Z	57 58.669	-0.0017	12	-46 8 21.47	-0.006	12	0.68	58.751	36	02.0	21.20	36	02.0	A0	CZ	10902	P -45 6154
36	9.7E	9.4Z	58 3.220	-0.0014	12	-43 31 35.98	-0.010	12	0.69	3.287	36	01.1	35.50	36	01.1	A0	CZ	10904	P -43 5973
37	10.1E	9.0Z	58 7.856	0.0003	12	-44 45 37.28	-0.005	12	0.68	7.839	36	01.4	37.03	36	01.4	K0	CZ	10905	P -44 6177
38	9.0E	8.5Z	58 18.060	-0.0046	12	-46 12 20.17	-0.013	12	0.63	18.285	28	01.1	19.56	24	01.1	F5	CZ	10908	P -45 6159
39	9.6E	9.5Z	58 18.141	-0.0001	12	-45 24 18.86	-0.009	12	0.68	18.144	36	02.0	18.45	36	02.0	F2	CZ	10909	P -45 6160
40	9.7E	8.5Z	58 18.763	-0.0022	12	-44 58 59.33	0.000	12	0.68	18.868	36	01.4	59.34	36	01.4	K2	CZ	10910	P -44 6179
41	9.7E	9.0Z	58 21.056	-0.0028	12	-40 52 24.41	-0.022	12	0.85	21.197	63	99.4	23.31	57	99.4	G0	CZ	10911	P -40 5995
42		7.8T	58 24.368	-0.0007	14	-44 28 58.25	-0.035	12	0.70	24.404	19	00.0	56.36	18	96.7	B9	GC	17661	C -44 8388
43	9.4E	8.0Z	58 27.086	-0.0038	12	-43 24 54.57	0.006	12	0.65	27.254	28	00.4	54.87	28	00.4	K0	CZ	10913	P -43 5976
44	9.9E	9.0Z	58 32.379	-0.0023	12	-47 1 0.57	-0.002	12	0.66	32.486	36	03.3	0.50	36	03.3	K0	CZ	10914	P -46 6086
45		9.9T	58 36.958	-0.0036	16	-46 42 5.75	-0.017	12	0.75	37.126	24	03.7	4.13	24	97.4	M0	GC	17665	C -46 8337
46	9.6E	9.5Z	58 39.067	-0.0027	12	-44 55 15.11	-0.005	12	0.65	39.198	31	01.1	14.87	28	01.1	B9	CZ	10915	P -44 6183
47	10.1E	9.1*	58 47.935	-0.0001	12	-48 44 43.06	-0.008	12	0.64	47.939	28	01.3	42.68	28	01.3	G5	CZ	10916	P -48 5218
48	9.4E	8.5Z	58 49.015	-0.0025	12	-48 12 55.79	0.003	12	0.71	49.131	45	03.2	55.94	45	03.2	K0	CZ	10917	P -47 5795
49	10.4E	8.8*	58 59 2.282	-0.0020	12	-43 55 37.96	-0.002	12	0.65	2.383	28	00.4	37.86	28	00.4	MA	CZ	10920	P -43 5980
50	8.6E	8.4Z	59 4.298	-0.0047	12	-46 0 58.19	-0.010	12	0.73	4.527	45	01.3	57.72	45	01.3	F8	CZ	10921	P -45 6167
51	11.2E	9.8*	12 59 4.365	-0.0014	12	-47 29 31.24	-0.017	12	0.65	4.433	31	01.6	30.44	28	01.6		CZ	10919	P -47 5796
52	8.9E	9.0Z	59 14.168	-0.0020	12	-48 18 45.57	-0.012	12	0.73	14.265	45	01.3	45.01	45	01.3	F0	CZ	10922	P -47 5799
53	9.2E	8.7Z	59 22.656	-0.0024	12	-45 17 6.09	-0.025	12	0.73	22.770	45	01.3	4.89	45	01.3	F2	CZ	10925	P -44 6187
54	9.9E	8.5Z	59 31.717	0.0012	12	-46 17 52.00	-0.004	12	0.65	31.659	31	01.6	51.83	28	01.6	K2	CZ	10927	P -45 6172
55	9.6E	9.5Z	59 32.177	-0.0018	12	-48 5 58.62	-0.010	12	0.71	32.261	45	03.2	58.16	45	03.2	A0	CZ	10926	P -47 5802
56	9.1E	8.5Z	59 35.084	-0.0042	12	-49 46 13.47	-0.010	12	0.66	35.289	31	00.7	12.96	28	00.7	F0	CZ	10928D	P -49 5654
57	9.0E	8.5Z	59 47.742	-0.0050	12	-43 5 10.08	-0.013	12	0.67	47.999	28	98.4	9.42	28	98.4	A2	CZ	10930	P -42 6099
58	9.5E	8.0Z	59 53.166	-0.0040	12	-40 26 16.53	-0.008	12	0.85	53.368	63	99.4	16.15	57	99.4	K0	CZ	10932	P -40 6000
59	9.2E	9.0Z	59 54.214	-0.0037	12	-40 57 53.17	-0.017	12	0.85	54.401	63	99.4	52.32	57	99.4	A3	CZ	10933	P -40 6001
60	9.1E	8.0Z	13 0 3.595	0.0003	12	-40 39 31.86	-0.111	12	0.85	3.579	63	99.4	26.26	57	99.4	G5	CZ	10935	P -40 6002
61	9.7E	9.4Z	0 7.167	-0.0028	12	-48 54 28.81	-0.005	12	0.73	7.303	45	01.3	28.55	45	01.3	A0	CZ	10934	P -48 5234
62	8.2E	8.5Z	0 9.270	-0.0015	12	-49 16 24.73	-0.010	12	0.66	9.343	31	00.7	24.22	28	00.7	B8	CZ	10936	P -48 5235
63	9.4E	8.5Z	0 11.261	-0.0020	12	-46 12 32.12	-0.005	12	0.73	11.358	45	01.3	31.90	45	01.3	K0	CZ	10937	P -45 6177
64	9.3E	9.2Z	0 13.622	-0.0019	12	-41 31 13.93	-0.021	12	0.67	13.719	28	98.7	12.87	28	98.7	A2	CZ	10938	P -41 6189
65	9.3E	9.0Z	0 23.779	0.0032	12	-49 17 28.86	-0.043	12	0.73	23.623	45	01.3	26.75	45	01.3		CZ	10939	P -48 5239
66	8.4E	8.5Z	0 26.628	-0.0031	12	-44 17 39.74	-0.026	12	0.72	26.773	45	02.4	38.51	45	02.4	A2	CZ	10940	P -43 5989
67	9.1E	8.5Z	0 30.968	0.0011	12	-46 12 37.97	-0.001	12	0.73	30.915	45	01.3	37.94	45	01.3	F5	CZ	10942	P -45 6179
68		8.5T	0 31.366	0.0013	18	-45 45 41.27	-0.005	18	0.88	31.303	19	03.1	41.03	19	02.8	K0	GC	17698	C -45 8190
69	9.6E	8.5Z	0 34.760	-0.0010	12	-43 43 36 40.25	-0.017	12	0.73	34.808	45	01.9	39.44	45	01.9	G5	CZ	10944	P -43 5992
70		5.0T	0 38.852	-0.0061	06	-49 15 31.86	-0.017	05	0.28	39.125	12	05.3	31.02	12	99.2	A0	GC	17704	C*-48 7887
71	9.5E	9.3Z	0 39.112	-0.0029	12	-49 4 5.47	-0.006	12	0.73	39.253	45	01.3	5.16	45	01.3	A0	CZ	10946	P -48 5241
72	8.8E	8.8*	0 41.638	-0.0043	12	-48 7 8.69	0.004	12	0.65	41.384	31	01.6	8.90	28	01.6	F2	CZ	10947	P -47 5814
73	10.1E	9.4Z	0 45.892	-0.0004	12	-48 45 55.69	-0.014	12	0.73	45.911	45	01.3	55.02	45	01.3	K0	CZ	10948	P -48 5248
74		7.1T	0 58.118	-0.0009	14	-40 34 58.63	-0.038	11	0.67	58.162	18	00.3	56.62	17	97.1	K0	GC	17707	C*-40 7650
75		8.9T	1 25.496	-0.0035	22	-42 18 34.07	-0.013	22	1.06	25.657	19	03.7	33.48	19	03.7	K0	GC	17716	C -41 7562
76	9.5E	8.0Z	1 28.172	0.0006	12	-41 10 28.53	-0.023	12	0.85	28.141	63	99.4	27.38	57	99.4	K2	CZ	10951	P -40 6009
77		8.0T	1 36.227	-0.0019	17	-47 51 52.13	0.008	12	0.73	36.317	19	03.0	52.53	19	00.6	B9	GC	17721	C -47 8084
78	10.2E	9.3Z	1 37.827	-0.0021	12	-43 7 51.36	0.000	12	0.67	37.935	28	98.6	51.37	28	98.6	A0	CZ	10955	P -42 6111
79		7.9T	1 56.275	-0.0076	12	-40 24 52.72	-0.019	11	0.65	56.668	22	98.5	51.67	19	95.0	F5	GC	17727	C*-40 7660
80	9.3E	8.5Z	1 57.173	-0.0033	12	-43 39 23.54	-0.020	12	0.73	57.331	45	01.9	22.59	45	01.9	A2	CZ	10956	P -43 5999
81		6.2T	1 58.565	-0.0027	08	-40 55 42.46	-0.038	07	0.37	58.689	14	04.0	40.63	14	01.9	M8	GC	17729	C -40 7662
82	10.1E	9.0Z	2 5.550	-0.0022	12	-47 10 6.30	0.001	12	0.66	5.653	36	03.6	6.36	36	03.6		CZ	10960	P -46 6140
83	9.5E	8.5Z	2 6.054	-0.0024	12	-47 7 43.88	-0.024	12	0.63	6.169	28	02.3	42.76	28	02.3	F8	CZ	10961	P -46 6141
84	9.5E	8.5*	2 10.291	-0.0012	12	-45 22 56.15	-0.002	12	0.66	10.349	31	00.3	56.08	28	00.3	F2	CZ	10965	P -44 6201
85		6.5T	2 13.608	-0.0031	14	-46 50 54.65	-0.030	10	0.65	13.758	22	02.1	53.02	21	95.7	F2	GC	17736	C -46 8383
86	10.0E	9.0Z	2 16.159	0.0002	12	-49 58 39.82	-0.005	12	0.73	16.147	45	01.3	39.55	45	01.3		CZ	10967	P -49 5704
87	10.1E	9.7Z	2 16.328	-0.0019	12	-45 45 7.29	0.003	12	0.69	16.417	36	01.3	7.45	36	01.3	A0	CZ	10968	P -45 6202
88	9.5E	8.9Z	2 21.099	0.0013	12	-49 31 50.86	0.014	12	0.73	21.834	45	01.3	51.53	45	01.3	G0	CZ	10970	P -49 5706
89	9.6E	8.7Z	2 22.005	-0.0029	12	-41 30 22.10	-0.025	12	0.75	22.152	45	99.4	20.86	45	99.4	K0	CZ	10971	P -41 6204
90	9.7E	9.0Z	2 25.304	0.0002	12	-44 25 41.43	-0.005	12	0.64	25.292	28	01.1	41.19	28	01.1	A2	CZ	10972	P -44 6203
91	9.4E	8.0Z	2 37.235	-0.0015	12	-49 35 1.30	0.001	12	0.73	37.307	45	01.3	1.34	45	01.3	K5	CZ	10977	P -49 5711
92	10.4E	9.0Z	2 40.659	-0.0009	12	-43 35 19.41	-0.011	12	0.65	40.704	28	00.0	18.87	28	00.0	K0	CZ	10979	P -43 6005
93	10.3E	9.8Z	2 42.660	0.0002	12	-47 2 9.30	-0.010	12	0.66	42.651	36	03.6	8.86	36	03.6	A2	CZ	10978	P -46 6150
94	10.1E	9.3Z	2 45.287	-0.0016	12	-45 31 25.59	0.006	12	0.69	45.343	36	01.3	25.90	36	01.3	G0	CZ	10980	P -45 6209
95	10.3E	9.0Z	2 48.220	-0.0003	12	-41 35 29.30	-0.011	12	0.66	48.236	28	99.2	28.76	26	99.2	K0	CZ	10981	P -41 6207
96	9.9E	9.6Z	3 6.540	-0.0016	12	-43 49 40.57	-0.007	12	0.65	6.622	28	00.1	40.19	26	00.1	A2	CZ	10982	P -43 6013
97	10.1E	9.2*	3 6.979	-0.0008	12	-40 46 22.75	-0.001	12	0.67	7.017	31	99.3	22.69	28	99.3	K0	CZ	10983	P -40 6031
98	10.3E	9.6Z	3 10.734	-0.0011	12	-42 48 57.30	-0.037	12	0.67	10.788	28	98.9	55.39	26	98.9	K0	CZ	10984	P -42 6119
99	9.7E	9.5Z	3 16.938	-0.0023	12	-44 9 10.90	-0.015	12	0.69	17.052	36	01.1	10.19	36	01.1	A0	CZ	10986	P -43 6015
00		5.0T	3 22.134	-0.0031	06	-48 11 44.73	-0.026	05	0.30	22.269	14	06.7	43.44	12	00.7	B3	GC	17750K	C*-47 8088

223900	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-40° 13H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	8.7E	8.5Z	13 3 32.616	-0.0015	12	-48 59 13.63	-0.012	12	0.65		32.687	31	01.7	13.06	28	01.7	FO	CZ	10988	P -48 5273
2	9.7E	8.4Z	3 35.159	0.0010	12	-43 22 29.60	-0.016	12	0.73		35.109	45	01.9	28.81	45	01.9	F5	CZ	10990	P -42 6123
3	9.0E	8.4Z	3 40.791	-0.0329	12	-49 25 3.36	-0.136	12	0.72		42.340	45	02.9	-56.87	45	02.9	K0	CZ	10991	P -49 5732
4		7.5T	3 42.757	-0.0048	09	-45 45 57.98	-0.013	08	0.41		42.959	15	07.6	57.40	15	05.1	F2	GC	17762K	C*-45 8234
5		5.7T	3 44.547	0.0037	07	-41 19 15.75	-0.025	06	0.33		44.389	12	07.5	14.56	12	02.6	K0	GC	17763	C -40 7682
6	10.0E	9.0Z	3 48.735	0.0007	12	-47 15 34.69	-0.013	12	0.71		48.701	45	03.2	34.08	45	03.2	G5	CZ	10994	P -46 6163
7	10.7E	9.8Z	3 52.121	-0.0012	12	-43 2 45.61	-0.008	12	0.67		52.180	28	98.7	45.19	26	98.7		CZ	10995	P -42 6126
8	10.7E	9.5*	3 54.104	-0.0015	12	-42 8 37.38	-0.018	12	0.66		54.178	28	99.2	36.49	26	99.2	K2	CZ	10998	P -41 6215
9		4.4H	3 58.753	-0.0030	03	-49 38 19.89	-0.012	02	0.11		58.858	05	14.3	19.43	06	12.8	B3	F4	489	C -49 7644
10	8.8E	8.7*	4 30.483	-0.0049	12	-47 47 0.68	-0.018	12	0.65		30.718	31	01.6	-59.81	28	01.6	F2	CZ	11000	P -47 5857
11	9.3E	8.6H	4 32.143	-0.0005	12	-45 28 39.53	0.008	12	0.73		32.169	45	01.7	39.91	45	01.7	G5	CZ	11001	P -45 6228
12	9.7E	9.3Z	4 36.449	-0.0022	12	-46 7 44.22	-0.008	12	0.73		36.554	45	01.7	43.83	45	01.7	A0	CZ	11002	P -45 6229
13	8.8E	8.5Z	4 46.072	-0.0034	12	-45 53 23.34	-0.000	12	0.73		46.234	45	01.7	23.34	45	01.7	A0	CZ	11006	P -45 6230
14	7.6E	9.0Z	4 46.451	-0.0012	12	-49 27 33.03	-0.005	12	0.65		46.510	31	01.7	32.81	28	01.7	A0	CZ	11004	P -49 5742
15	9.7E	9.5Z	4 46.909	-0.0003	12	-47 1 23.60	0.001	12	0.65		46.922	31	01.6	23.65	28	01.6	A0	CZ	11005	P -46 6174
16	10.6E	9.5Z	4 48.021	-0.0017	12	-40 30 28.94	-0.014	12	0.68		48.105	31	98.9	28.22	28	98.9	A3	CZ	11010	P -40 6044
17	10.4E	9.7Z	4 48.258	-0.0045	12	-46 33 33.51	0.006	12	0.71		48.467	45	03.2	33.78	45	03.2		CZ	11007	P -46 6176
18	9.8E	9.0Z	4 49.365	-0.0020	12	-47 1 31.62	-0.003	12	0.71		49.457	45	03.2	31.48	45	03.2	G5	CZ	11008	P -46 6175
19	8.8E	8.5Z	4 58.893	-0.0023	12	-45 11 4.11	-0.007	12	0.65		59.005	31	01.3	3.79	28	01.3	A0	CZ	11011	P -44 6224
20	10.3E	9.5Z	5 1.044	-0.0022	12	-42 30 55.58	-0.024	12	0.67		1.156	28	98.6	54.37	26	98.6	F5	CZ	11012	P -42 6132
21	10.1E	9.7Z	5 16.616	-0.0011	12	-48 18 25.00	-0.015	12	0.72		16.666	45	02.8	24.29	45	02.8		CZ	11013	P -47 5864
22	9.7E	8.5Z	5 16.933	-0.0026	12	-47 25 22.02	-0.014	12	0.65		17.058	31	01.6	21.35	28	01.6	K2	CZ	11014	P -47 5866
23	10.0E	8.8Z	5 18.347	-0.0018	12	-48 54 16.91	-0.018	12	0.72		18.431	45	02.8	16.07	45	02.8	K2	CZ	11015	P -48 5300
24	8.3E	8.5Z	5 21.837	-0.0027	12	-41 7 42.06	-0.021	12	0.84		21.967	63	01.2	41.03	57	01.2	A0	CZ	11017	P -40 6046
25	9.6E	8.0Z	5 31.420	-0.0016	12	-41 17 33.69	-0.025	12	0.74		31.499	45	00.3	32.44	45	00.3	K2	CZ	11018	P -40 6047
26	13.2E	11.0H	5 43.469	0.0003	12	-47 38 14.77	0.033	12	0.71		43.453	45	03.2	16.31	45	03.2	K0	CZ	11019	P -47 5869
27	9.2E	9.0Z	5 44.892	0.0006	12	-47 38 26.26	-0.008	12	0.71		44.862	45	03.2	25.88	45	03.2	K0	CZ	11020	P -47 5869
28		9.1T	5 45.758	-0.0474	22	-41 22 34.24	-0.049	22	1.07		47.953	19	03.7	31.94	19	03.1	G5	GC	17803	C -40 7705
29	8.8E	8.5Z	5 55.403	-0.0020	12	-45 58 8.48	0.014	12	0.73		55.499	45	01.7	9.15	45	01.7	B8	CZ	11023	P -45 6241
30	10.1E	9.3*	5 58.453	-0.0030	12	-43 7 21.57	-0.021	12	0.67		58.605	28	98.5	20.47	26	98.5	G5	CZ	11024	P -42 6139
31	7.6E	8.0*	6 9.621	-0.0053	12	-49 13 42.50	-0.012	12	0.64		9.877	28	01.7	41.94	26	01.7	A0	CZ	11025	P -48 5311
32	9.6E	9.3Z	6 18.398	-0.0013	12	-44 27 14.92	-0.010	12	0.72		18.461	45	02.8	14.47	45	02.8	A2	CZ	11028	P -44 6232
33	10.0E	8.5*	6 19.620	-0.0008	12	-43 42 41.56	0.004	12	0.65		19.658	28	00.3	41.74	26	00.3	K0	CZ	11029	P -43 6037
34	10.0E	9.7Z	6 24.614	-0.0015	12	-48 3 42.64	-0.007	12	0.71		24.682	45	03.2	42.31	45	03.2	A2	CZ	11030	P -47 5874
35	8.6E	8.0Z	6 29.064	-0.0056	12	-40 45 10.36	-0.020	12	0.84		29.335	63	01.2	9.38	57	01.2	K0	CZ	11033	P -40 6059
36	9.8E	9.2Z	6 29.875	-0.0028	12	-44 20 13.13	-0.013	12	0.72		30.009	45	02.8	12.54	45	02.8	A2	CZ	11032	P -43 6038
37		6.9T	6 31.819	-0.0032	09	-48 15 28.92	0.005	07	0.40		31.958	14	06.7	29.14	15	04.2	F5	GC	17814	C -47 8120
38	9.1E	8.9H	6 37.107	-0.0014	12	-45 31 31.37	-0.001	12	0.66		37.039	31	00.6	31.31	28	00.6	F0	CZ	11035	P -45 6253
39	9.5E	9.0Z	6 40.363	-0.0004	12	-46 24 31.32	-0.020	12	0.65		40.382	31	01.6	30.34	28	01.6	A0	CZ	11036	P -46 6193
40	8.4E	8.0Z	6 44.360	-0.0029	12	-49 53 0.48	-0.005	12	0.72		44.498	45	02.9	0.25	45	02.9	K0	CZ	11037	P -49 5773
41	9.0E	8.5Z	6 46.500	-0.0019	12	-45 35 0.58	0.005	12	0.73		46.593	45	01.7	0.81	45	01.7	F8	CZ	11038	P -45 6255
42	9.9E	9.5Z	6 53.176	-0.0018	12	-42 27 15.79	-0.024	12	0.75		53.266	45	99.4	14.60	45	99.4	A2	CZ	11041	P -42 6147
43	8.2E	8.0*	6 55.208	-0.0017	12	-47 47 8.83	-0.015	12	0.65		55.289	31	01.6	8.10	28	01.6	A0	CZ	11040	P -47 5877
44	10.3E	9.7H	6 56.865	-0.0017	12	-45 27 27.44	-0.005	12	0.73		56.948	45	01.7	27.20	45	01.7	K0	CZ	11042	P -45 6258
45	8.8E	8.0Z	7 1.259	-0.0026	12	-47 17 22.53	-0.028	12	0.71		1.380	45	03.2	21.22	45	03.2	K2	CZ	11044	P -46 6196
46	8.7E	8.5Z	7 12.164	-0.0007	12	-41 57 18.10	-0.014	12	0.66		12.198	28	99.1	17.41	26	99.1	A0	CZ	11048	P -41 6244
47	9.5E	9.0Z	7 19.695	-0.0022	12	-48 24 5.06	-0.010	12	0.67		19.797	36	03.1	4.59	36	03.1	G5	CZ	11049	P -48 5330
48	10.5E	9.0Z	7 20.594	-0.0025	12	-42 34 6.24	-0.022	12	0.67		20.721	28	98.7	5.13	26	98.7	K2	CZ	11050	P -42 6153
49		9.4T	7 21.249	-0.0190	22	-44 19 27.20	0.002	22	1.04		22.114	21	04.6	27.27	21	04.6	G5	GC	17827	C -43 8093
50	10.1E	9.0Z	7 27.533	-0.0064	12	-49 39 19.96	-0.024	12	0.72		27.836	45	02.9	18.84	45	02.9		CZ	11052	P -49 5786
51	10.1E	9.5*	13 7 30.439	-0.0025	12	-46 13 40.91	-0.010	12	0.64		30.561	28	01.0	40.42	26	01.0	A2	CZ	11053	P -45 6265
52	9.7E	8.5Z	7 35.605	-0.0023	12	-40 52 50.86	-0.001	12	0.84		35.715	63	01.2	50.80	57	01.2	K0	CZ	11055	P -40 6068
53	9.3E	9.6Z	7 38.642	-0.0042	12	-48 10 20.65	0.001	12	0.66		38.836	36	03.3	20.69	36	03.3	F8	CZ	11054	P -47 5879
54	9.5E	8.6Z	7 46.194	-0.0030	12	-49 19 1.11	-0.012	12	0.72		46.334	45	02.9	0.56	45	02.9		CZ	11056	P -48 5334
55	9.4E	9.0Z	7 49.233	-0.0019	12	-46 35 12.40	-0.023	12	0.67		49.321	36	02.9	11.31	36	02.9	F2	CZ	11057	P -46 6202
56	10.3E	9.4Z	7 55.936	-0.0007	12	-46 0 9.05	0.007	12	0.68		55.969	36	01.9	9.38	36	01.9	G5	CZ	11058	P -45 6270
57	9.1E	8.5Z	8 8.669	-0.0120	12	-45 36 14.42	0.006	12	0.68		9.248	36	01.9	14.70	36	01.9	F8	CZ	11059	P -45 6273
58	7.8E	8.5Z	8 16.208	-0.0031	12	-47 1 25.32	-0.012	12	0.67		16.354	36	02.9	24.77	36	02.9	A0	CZ	11061D	P*-46 6207
59	8.8E	8.5*	8 16.612	-0.0025	12	-48 44 44.44	-0.017	12	0.63		16.734	28	02.1	43.61	26	02.1	A5	CZ	11060	P -48 5349
60		5.8T	8 17.352	-0.0074	07	-41 58 1.12	-0.028	07	0.33		17.662	14	08.0	-59.85	14	03.8	F5	GC	17843	C -41 7648
61	9.5E	8.5Z	8 18.647	-0.0007	12	-48 30 18.66	-0.004	12	0.67		18.682	36	03.1	18.46	36	03.1	K2	CZ	11062	P -48 5350
62	9.4E	9.0Z	8 19.722	-0.0022	12	-49 57 23.13	-0.005	12	0.65		19.830	31	01.7	22.88	28	01.7	A2	CZ	11063	P -49 5800
63	10.1E	9.5Z	8 20.187	-0.0028	12	-45 36 33.03	0.001	12	0.68		20.324	36	01.9	33.07	36	01.9	G0	CZ	11065	P -45 6275
64	9.1E	8.6Z	8 23.933	-0.0039	12	-46 20 11.30	-0.000	12	0.67		24.116	36	02.9	11.29	36	02.9	F0	CZ	11066	P -45 6276
65	8.8E	8.5Z	8 24.596	-0.0017	12	-41 9 15.10	-0.008	12	0.68		24.681	31	99.1	14.69	28	99.1	K0	CZ	11067	P -40 6074
66		5.3T	8 31.070	-0.0109	06	-43 6 10.13	-0.031	04	0.25		31.553	09	05.5	8.53	09	98.9	K0	GC	17850	C*-42 8175
67	10.0E	9.1*	8 36.017	-0.0024	12	-46 42 12.01	-0.024	12	0.64		36.132	28	01.7	10.84	26	01.7	A3	CZ	11069	P -46 6210
68	10.5E	9.3*	8 36.050	-0.0037	12	-43 37 26.11	-0.016	12	0.66		38.235	28	99.4	25.28	26	99.4	G5	CZ	11070	P -43 6053
69	8.7E	8.7Z	9 1.364	-0.0022	12	-49 21 10.40	-0.024	12	0.72		1.466	45	02.9	9.29	45	02.9	F0	CZ	11071	P -48 5357
70	9.1E	8.0Z	9 2.837	-0.0014	12	-45 0 48.82	-0.009	12	0.66		2.906	31	00.3	48.39	28	00.3	K2	CZ	11072	P -44 6256
71	8.5E	8.6*	9 7.424	-0.0009	12	-49 41 39.64	-0.010	12	0.65		7.469	31	01.7	39.17	28	01.7	A0	CZ	11073	P -49 5813
72		7.2T	9 9.198	-0.0022	16	-49 48 5.05	-0.030	13	0.77		9.299	24	05.1	3.63	24	02.5	K2	GC	17867	C -49 7716
73	10.0E	9.1Z	9 12.081	-0.0002	12	-44 21 12.46	-0.036	12	0.73		12.092	45	01.3	10.68	45	01.3		CZ	11075	P*-43 6061
74	9.7E	9.0Z	9 21.275	-0.0029	12	-46 6 9.94	-0.015	12	0.66		21.417	31	00.6	9.20	28	00.6	G0	CZ	11076	P -45 6286
75	10.4E	9.4*	9 39.408	-0.0024	12	-44 23 17.52	-0.033	12	0.66		39.529	31	00.3	15.90	28	00.3	A2	CZ	11078	P -43 6064
76	9.9E	8.5Z	9 40.973	-0.0010	12	-42 17 13.58	-0.014	12	0.75		41.021	45	99.4	12.89	45	99.4	K0	CZ	11080	P -41 6260
77	10.2E	9.4*	9 42.720	-0.0012	12	-47 27 1.05	-0.002	12	0.65		42.777	31	02.1	0.95	28	02.1		CZ	11079	P -47 5901
78	8.7E	9.0Z	9 54.000	-0.0022	12	-41 24 1.82	-0.020	12	0.66		54.111	28	99.2	0.80	26	99.2	F0	CZ	11082	P -41 6262
79	9.7E	9.4Z	9 54.636	-0.0016	12	-47 53 49.33	-0.013	12	0.71		54.708	45	03.9	48.72	45	03.9	A0	CZ	11081	P -47 5903
80		6.1T	9 58.379	-0.0020	20	-42 26 4.92	-0.001	18	0.93		58.474	18	02.1	4.90	18	01.3	K0	GC	17882	C -42 8196
81	8.5E	8.3Z	10 0.816	-0.0042	12	-40 28 49.98	-0.022	12	0.66		1.028	28	99.3	48.85	26	99.3	A5	CZ	11084D	P*-40 6088
82	9.4E	8.5Z	10 5.177	-0.0017	12	-40 59 23.69	-0.013	12	0.84		5.258	63	01.2	23.05	57	01.2	K5	CZ	11085	P -40 6090
83	10.5E	9.3*	10 11.221	-0.0021	12	-48 10 12.18	-0.006	12	0.65		11.321	31	02.0	11.88	28	02.0	G5	CZ	11086	P -47 5907
84	8.7E	8.5H	10 32.698	-0.0049	12	-45 28 16.71	-0.017	12	0.66		32.942	31	00.6	15.86	28	00.6	F0	CZ	11090	P -45 6292
85		9.1T	10 35.665	-0.0072	15	-42 46 43.21	0.005	12	0.71		36.009	22	01.9	43.45	19	99.4	K0	GC	17893	C -42 8206
86		8.8T	10 41.032	-0.0003	20	-41 51 43.96	-0.024	14	0.83		41.045	24	04.8	42.80	22	00.5	K0	GC	17898	C -41 7671
87		7.2T	10 58.177	-0.0104	14	-44 55 10.85	-0.123	10	0.66		58.698	18	00.0	4.07	19	95.0	G0	GC	17907	C -44 8505
88	8.9E	9.0Z	11 1.409	-0.0035	12	-48 33 10.37	-0.018	12	0.64		1.578	31	02.1	9.30	28	02.1	F0	CZ	11094	P -48 5397
89		6.1T	11 5.102	-0.0157	12	-42 52 28.75	0.024	09	0.61		5.918	21	97.9	30.12	19	92.5	K0	GC	17909	C -42 8213
90	10.1E	9.5Z	11 16.446	-0.0049	12	-45 10 52.24	-0.043	12	0.66		16.690	31	00.3	50.12	28	00.3	F8	CZ	11096	P -44 6269
91	10.3E	9.5Z	11 20.768	-0.0001	12	-46 52 51.76	-0.005	12	0.71		20.771	45	03.2	51.52	45	03.2		CZ	11097	P -46 6245
92	8.9E	7.5Z	11 24.422	-0.0045	12	-40 56 50.42	-0.016	12	0.84		24.640	63	01.2	49.63	57	01.2	G5	CZ	11098	P -40 6101
93	7.3E	7.5Z	11 27.431	-0.0093	12	-42 35 14.53	-0.048	12	0.75		27.901	45	99.4	12.08	45	99.4	K0	CZ	11099	P -42 6180
94	10.6E	9.7Z	11 38.514	-0.0029	12	-47 52 58.51	-0.018	12	0.71		38.647	45	03.9	57.68	45	03.9		CZ	11101	P -47 5922
95	10.9E	9.9*	11 39.769	-0.0011	12	-49 2 23.02	-0.024	12	0.65		39.820	31	02.1	21.88	28	02.1		CZ	11102	P -48 5408
96	10.5E	9.7Z	11 40.908	-0.0037	12	-47 11 53.36	-0.023	12	0.71		41.079	45	03.2	52.26	45	03.2		CZ	11103	P -46 6249
97	10.5E	9.0Z	11 41.164	-0.0030	12	-47 22 13.14	-0.010	12	0.71		41.301	45	03.9	12.68	45	03.9		CZ	11104	P -46 6248
98		8.2T	11 43.385	-0.0028	17	-41 56 18.79	-0.028	14	0.80		43.521	19	01.0	17.38	18	98.8	F2	GC	17921	C -41 7681
99	8.4E	8.5Z	11 43.931	-0.0029	12	-46 35 34.83	-0.025	12	0.65		44.069	31	01.6	33.61	28	01.6	A5	CZ	11105	P -46 6252
00		6.0T	11 45.993	-0.0131	09	-48 41 28.62	-0.084	07	0.38		46.578	14	05.5	24.56	14	01.6	K0	GC	17926	C -48 8050

224000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
1	9.6E	9.0Z	13 11 46.832	0.0000	12	-42 43 29.16	-0.022	12	0.75	46.831	45	99.4	28.08	45	99.4	A5	CZ	11108
2	9.6E	9.5Z	11 48.442	-0.0031	12	-40 57 25.71	-0.004	12	0.84	48.592	63	01.2	25.50	57	01.2	F0	CZ	11110
3	9.7E	8.5Z	12 6.532	0.0013	12	-42 40 50.64	-0.034	12	0.75	6.465	45	99.4	48.93	45	99.4	F0	CZ	11112
4	10.3E	9.4Y	12 7.077	-0.0017	12	-45 46 11.51	-0.012	12	0.66	7.159	31	00.6	10.81	28	00.6	G0	CZ	11111
5	9.8E	8.5Z	12 7.340	-0.0021	12	-41 6 30.94	-0.007	12	0.84	7.441	63	01.2	30.59	57	01.2	A0	CZ	11113
6	9.3E	9.0Z	12 21.451	-0.0031	12	-42 28 34.15	-0.031	12	0.75	21.607	45	99.4	32.60	45	99.4	A0	CZ	11115
7	8.4	7.8W	12 23.160	-0.0091	06	-40 7 27.60	-0.033	06	0.20	23.292	15	35.4	27.12	21	35.4	G0	C8	6341
8	9.7E	9.0Z	12 28.685	-0.0086	12	-47 15 19.27	-0.005	12	0.67	29.142	36	02.3	19.03	36	02.3	K0	CZ	11116
9		7.3T	12 29.298	0.0009	18	-42 47 54.15	0.011	14	0.82	29.253	17	01.9	54.70	17	98.8	G5	CZ	17940
10	10.6E	9.6Z	12 38.075	-0.0031	12	-43 47 21.85	-0.011	12	0.66	38.233	28	99.4	21.31	28	99.4		CZ	11119
11	9.8E	9.8Z	12 40.378	-0.0022	12	-49 22 24.48	-0.016	12	0.72	40.478	45	02.9	23.74	45	02.9	B9	CZ	11118
12	9.8E	9.5Z	12 41.283	-0.0005	12	-46 15 5.13	0.013	12	0.65	41.305	36	04.2	5.73	36	04.2	G0	CZ	11120
13	10.0E	9.3Y	12 41.638	-0.0032	12	-43 27 52.36	-0.007	12	0.66	41.998	28	99.4	52.01	28	99.4		CZ	11122
14	9.3E	8.0Z	12 45.169	-0.0016	12	-40 52 36.77	-0.004	12	0.66	45.249	28	99.1	38.56	28	99.1	G5	CZ	11123
15	9.8E	9.0Z	12 54.198	0.0013	12	-41 47 27.62	-0.019	12	0.66	54.030	28	99.2	28.67	28	99.2	M8	CZ	11124
16	9.4E	9.5Z	13 2.741	-0.0025	12	-47 41 38.66	-0.018	12	0.64	2.860	28	01.6	37.79	28	01.6	F2	CZ	11126
17	8.2E	8.5Z	13 8.197	-0.0010	12	-46 25 37.93	-0.018	12	0.64	8.245	28	01.3	37.05	28	01.3	B9	CZ	11129
18	9.3E	8.8Z	13 12.458	-0.0017	12	-48 12 2.49	-0.008	12	0.67	12.537	36	02.7	2.10	36	02.7	G5	CZ	11131
19	9.4E	9.0Z	13 14.161	-0.0025	12	-40 31 36.87	-0.003	12	0.85	14.288	63	99.4	36.71	57	99.4	F8	CZ	11133
20	10.0E	9.8Z	13 21.411	-0.0016	12	-48 12 10.69	-0.008	12	0.67	21.485	36	02.7	10.30	36	02.7	A0	CZ	11134
21		7.1Y	13 37.025	-0.0004	14	-44 28 26.26	0.008	12	0.69	37.046	19	00.4	28.66	18	97.6	K5P	GC	17957V
22	10.3E	9.4Z	13 43.427	-0.0021	12	-45 31 21.28	-0.004	12	0.69	43.522	45	05.7	20.22	45	05.7	A5	CZ	11136
23	8.7E	9.1Z	13 53.301	0.0002	12	-45 7 22.82	-0.025	12	0.69	53.293	45	05.3	21.71	45	05.3	A2	CZ	11138
24	10.3E	9.4Z	13 53.517	-0.0012	12	-45 33 12.82	-0.021	12	0.69	53.572	45	05.7	11.89	45	05.7	G0	CZ	11137
25		7.2T	13 53.700	-0.0018	12	-41 1 10.27	-0.007	11	0.62	53.794	17	97.5	9.89	15	96.1	G5	GC	17964K
26		9.7T	13 57.178	-0.0084	16	-47 5 53.64	-0.065	13	0.73	57.291	24	03.7	50.51	24	01.7	K7	GC	17965
27	9.5	9.4W	13 58.423	-0.0013	13	-40 0 8.91	0.015	13	0.26	58.442	15	35.4	9.12	21	35.4	F0	C8	6356
28	9.7E	9.5Z	14 1.842	-0.0035	12	-47 37 4.14	-0.008	12	0.73	2.009	45	02.0	3.75	45	02.0		CZ	11140
29	10.1E	9.5Z	14 3.085	0.0017	12	-47 50 55.49	0.004	12	0.73	3.003	45	02.0	55.67	45	02.0	G5	CZ	11141
30	9.4E	9.0Z	14 7.372	-0.0065	12	-44 17 51.42	-0.055	12	0.69	7.663	45	05.3	48.98	45	05.3	F8	CZ	11142
31	9.5E	8.0Z	14 15.097	-0.0007	12	-46 12 47.93	0.004	12	0.69	15.127	45	05.7	48.11	45	05.7	K2	CZ	11143
32		5.9H	14 19.307	-0.0005	04	-43 42 57.34	-0.009	03	0.14	19.323	07	15.5	57.04	06	16.9	A3P	F4	1343
33	9.6E	9.0Z	14 21.207	-0.0014	12	-43 15 11.20	-0.008	12	0.75	21.275	45	99.4	10.77	45	99.4	G5	CZ	11147
34	10.2E	9.0H	14 24.718	-0.0008	12	-49 36 39.72	-0.015	12	0.65	24.758	31	01.7	39.01	28	01.7	K2	CZ	11146
35	10.1E	8.5Z	14 31.298	-0.0021	12	-46 8 23.21	-0.006	12	0.69	31.389	45	05.7	22.94	45	05.7	K2	CZ	11149
36	9.3E	9.3Z	14 34.311	-0.0007	12	-44 40 37.26	-0.007	12	0.69	34.344	45	05.3	36.97	45	05.3	A2	CZ	11150
37		8.3T	14 35.185	-0.0041	22	-42 40 9.77	-0.028	22	1.08	35.375	19	03.2	8.43	18	02.5	F2	GC	17984
38	9.8E	9.8H	14 36.493	-0.0034	12	-40 16 47.36	-0.091	12	0.85	36.663	63	99.4	42.75	57	99.4	G5	CZ	11152D
39	9.0E	8.8H	14 40.028	-0.0019	12	-44 3 14.16	-0.019	12	0.66	40.125	28	99.4	13.17	28	99.4	A0	CZ	11153
40		7.7T	14 41.217	0.0006	13	-43 2 8.62	-0.004	12	0.69	41.186	18	99.6	8.40	17	97.6	A0	GC	17985
41	9.7E	9.0Z	14 42.120	-0.0055	12	-45 4 57.54	-0.018	12	0.64	42.379	31	03.0	56.71	28	03.0	G0	CZ	11154
42	10.0E	9.7H	14 46.964	-0.0024	12	-45 53 27.20	-0.015	12	0.63	47.075	31	03.3	26.50	28	03.3	A0	CZ	11157
43		6.7T	14 47.247	-0.0088	14	-47 19 37.74	-0.030	10	0.65	47.387	18	00.7	36.13	17	96.5	B9	CZ	17989
44	9.9E	9.0Z	14 47.986	-0.0013	12	-42 52 13.63	-0.015	12	0.75	48.069	45	99.4	12.86	45	99.4	K0	CZ	11160
45	8.6E	8.8Z	14 50.862	-0.0022	12	-49 56 2.08	-0.030	12	0.64	50.971	28	01.4	0.62	28	01.4	F0	CZ	11158
46	9.7E	9.0Z	14 50.975	-0.0025	12	-47 26 29.63	-0.002	12	0.73	51.094	45	02.0	29.54	45	02.0	A0	CZ	11159
47		6.8T	15 10.318	-0.0036	10	-43 47 32.10	-0.031	08	0.42	10.469	15	08.4	30.68	14	04.7	A0	GC	17998
48	8.8E	9.0Z	15 20.084	-0.0005	12	-49 39 0.02	-0.008	12	0.73	20.110	45	01.3	59.64	45	01.3	B8	CZ	11162
49		9.2T	15 26.113	-0.0027	15	-46 50 21.30	0.005	11	0.68	26.246	19	01.5	21.57	18	97.1	A0	GC	18001
50	8.3E	8.5Z	15 28.437	-0.0015	12	-43 20 41.03	-0.024	12	0.74	28.509	45	00.4	39.83	45	00.4	A0	CZ	11167
51		7.0T	13 15 28.812	-0.0022	12	-45 30 5.16	-0.017	12	0.66	28.922	19	99.0	4.25	18	96.7	A0	GC	18002
52	10.5E	9.6H	15 30.393	-0.0017	12	-48 11 25.58	-0.010	12	0.66	30.475	31	00.7	25.08	28	00.7	A2	CZ	11164
53	9.7E	9.5Z	15 33.942	-0.0017	12	-47 42 20.85	-0.002	12	0.73	34.002	45	02.0	20.75	45	02.0	A0	CZ	11168
54	10.0E	9.0Z	15 35.712	-0.0023	12	-41 47 2.61	-0.022	12	0.67	35.829	28	98.5	1.50	26	98.5	K0	CZ	11172
55		7.7T	15 43.365	-0.0014	14	-49 36 56.19	-0.018	10	0.67	43.431	22	01.0	55.20	19	94.7	B9	GC	18006
56	10.4E	9.2H	15 48.219	-0.0084	12	-46 10 14.82	-0.020	12	0.63	48.610	31	03.3	13.88	28	03.3	G0	CZ	11175
57	9.3E	9.5Z	15 50.807	-0.0026	12	-42 54 48.29	-0.023	12	0.75	50.936	45	99.4	47.11	45	99.4	A0	CZ	11176
58	9.0E	9.0Z	16 20.221	-0.0035	12	-41 7 46.51	-0.017	12	0.85	20.397	63	99.4	45.65	57	99.4	F0	CZ	11178
59	10.2E	9.5Z	16 21.446	-0.0043	12	-44 26 42.38	-0.018	12	0.69	21.640	45	05.3	41.60	45	05.3	A2	CZ	11177
60	9.3E	9.0Z	16 33.027	-0.0053	12	-43 41 47.48	-0.017	12	0.74	33.268	45	00.4	46.62	45	00.4	A5	CZ	11180
61	9.6E	9.3Z	16 35.946	-0.0033	12	-47 18 5.89	-0.012	12	0.73	36.104	45	02.0	5.31	45	02.0	F0	CZ	11181
62	10.1E	9.4Z	16 37.347	-0.0056	12	-48 51 19.36	-0.005	12	0.73	37.614	45	01.9	19.13	45	01.9	F8	CZ	11182
63	9.8E	9.6Z	16 45.956	-0.0014	12	-49 24 4.50	-0.026	12	0.73	46.023	45	01.3	3.24	45	01.3	A3	CZ	11183
64	10.0E	7.8Z	16 53.967	-0.0021	12	-41 53 30.19	-0.066	12	0.75	54.071	45	99.4	26.87	45	99.4	K2	CZ	11185
65	9.3E	9.0Z	17 4.175	-0.0005	12	-41 31 43.44	-0.024	12	0.75	4.199	45	99.4	42.22	45	99.4	A0	CZ	11186
66		6.7T	17 6.472	-0.0286	13	-40 55 43.89	-0.002	10	0.63	7.868	21	01.2	43.78	19	95.4	F8	GC	18028
67	9.7E	8.5Z	17 17.656	-0.0008	12	-41 4 2.96	-0.005	12	0.85	17.695	63	99.4	2.70	57	99.4	F2	CZ	11190
68	9.7E	8.5Z	17 20.636	0.0025	12	-40 28 40.17	-0.044	12	0.85	20.508	63	99.4	37.94	57	99.4	F8	CZ	11191
69	10.0E	10.0Z	17 26.458	0.0034	12	-43 41 27.39	-0.004	12	0.70	26.286	36	00.0	27.18	36	00.0	G0	CZ	11194
70	8.3E	8.5Z	17 27.177	-0.0031	12	-48 57 40.27	-0.025	12	0.64	27.326	28	01.4	39.07	26	01.4	A5	CZ	11193
71	8.4E	8.0Z	17 30.633	-0.0002	12	-40 41 51.67	-0.013	12	0.85	30.641	63	99.4	51.00	57	99.4	A0	CZ	11195D
72	8.6E	7.8Z	17 32.860	-0.0008	12	-41 18 50.86	-0.008	12	0.65	32.900	24	98.6	50.44	20	98.6	K2	CZ	11197
73	8.6E	8.6Z	17 33.785	-0.0057	12	-45 24 53.10	-0.020	12	0.65	34.043	36	05.0	52.19	36	05.0	A2	CZ	11196
74	9.0E	8.0Z	17 35.144	-0.0004	12	-43 10 23.59	-0.006	12	0.66	35.163	28	98.7	23.27	24	98.7	K0	CZ	11199
75	10.3E	9.5Z	17 47.313	-0.0005	12	-47 39 47.13	-0.000	12	0.68	47.336	36	02.1	47.13	36	02.1	A5	CZ	11201
76	10.1E	8.0Z	17 50.297	0.0010	12	-45 56 34.95	-0.023	12	0.65	50.250	36	05.0	33.91	36	05.0	K0	CZ	11202
77	9.7E	9.0H	17 52.286	-0.0026	12	-48 27 35.44	-0.016	12	0.64	52.391	28	01.4	34.66	28	01.4	F0	CZ	11203
78	9.8E	9.5H	17 52.803	-0.0037	12	-40 31 15.40	-0.012	12	0.67	52.992	28	98.4	14.77	26	98.4	F5	CZ	11204
79	10.5E	9.5Z	17 59.478	-0.0020	12	-44 41 46.34	-0.022	12	0.63	59.575	28	02.1	45.30	26	02.1	K0	CZ	11206
80		5.8T	18 0.124	-0.0074	09	-46 37 7.27	0.001	07	0.32	0.386	12	14.7	7.31	12	10.9	K0	GC	18044
81	9.8E	9.8Z	18 0.429	-0.0007	12	-43 19 36.48	-0.010	12	0.70	0.462	36	00.0	35.96	36	00.0	A2	CZ	11208
82	8.9E	8.3Z	18 10.795	-0.0007	12	-49 26 15.90	-0.018	12	0.73	10.826	45	01.3	15.04	45	01.3	K0	CZ	11210
83		6.7T	18 30.743	-0.0010	11	-43 22 19.83	-0.010	11	0.62	30.793	22	98.4	19.27	21	95.5	B9	GC	18060
84	9.7E	9.0Z	18 32.600	-0.0014	12	-47 22 58.59	-0.011	12	0.64	32.667	28	01.1	58.05	26	01.1	K0	CZ	11211
85	9.8E	9.4Z	18 42.617	-0.0035	12	-49 13 15.14	-0.008	12	0.68	42.783	36	02.1	14.77	36	02.1	A5	CZ	11213
86	9.3E	8.5Z	18 49.827	0.0001	12	-41 52 12.63	-0.018	12	0.67	49.820	28	98.5	11.72	26	98.5	K2	CZ	11216
87	9.9E	8.7Z	18 50.732	-0.0001	12	-42 21 33.60	-0.042	12	0.75	50.735	45	99.4	31.50	45	99.4	F2	CZ	11217
88		7.9T	18 58.458	0.0001	14	-49 39 4.23	-0.012	12	0.69	58.450	19	00.4	3.60	18	96.9	B9	GC	18073
89		7.1T	19 7.587	0.0004	13	-42 47 19.89	-0.015	12	0.68	7.565	17	00.3	19.09	17	97.6	A0	GC	18077
90	10.1E	9.2Z	19 8.256	0.0012	12	-45 36 48.86	-0.012	12	0.69	8.205	45	06.4	48.33	45	06.4	A3	CZ	11221
91	9.6	8.8W	19 28.339	-0.0016	13	-40 3 50.72	-0.062	13	0.26	28.362	15	35.4	49.82	21	35.4	K0	C8	6415
92	10.3E	9.4H	19 34.302	-0.0001	12	-46 10 22.49	-0.008	12	0.63	34.506	31	03.7	22.12	28	03.7	A0	CZ	11227
93	9.2E	8.8Z	19 36.716	-0.0062	12	-45 8 50.80	-0.019	12	0.70	36.999	45	04.4	49.95	45	04.4	F0	CZ	11228
94	10.4E	9.6H	19 40.882	0.0010	12	-43 59 54.56	-0.002	12	0.67	40.832	28	98.7	54.46	26	98.7	A0	CZ	11229
95		6.3T	19 53.154	0.0035	10	-47 40 55.47	0.001	10	0.58	52.965	21	95.7	55.52	19	94.5	A2	GC	18095K
96		6.5T	20 2.621	-0.0010	09	-48 18 6.33	-0.009	07	0.35	2.663	09	08.9	5.95	09	07.3	B5	GC	18099
97	9.7E	9.0Z	20 6.509	-0.0031	12	-43 33 36.89	-0.007	12	0.67	6.666	28	98.7	36.52	26	98.7	A2	CZ	11233
98	9.9E	9.5Z	20 11.514	-0.0024	12	-42 47 28.87	-0.013	12	0.75	11.633	45	99.4	28.19	45	99.4	A0	CZ	11234
99	10.1E	9.8Z	20 22.128	-0.0016	12	-49 47 4.60	-0.011	12	0.73	22.207	45	01.3	4.07	45	01.3	B9	CZ	11235
00	9.9E	9.2Z	20 32.324	-0.0031	12	-49 51 47.77	-0.001	12	0.73	32.476	45	01.3	47.72	45	01.3	K2	CZ	11236

NUMBER	-40° 13H DM NUMBER
1	P -42 6183
2	P -40 6104
3	P -42 6184
4	P -45 6308
5	P -40 6106
6	P -42 6186
7	C -38 8127
8	P -46 6257
9	C -42 6237
10	P -43 6080
11	P -40 6120
12	P -45 6313
13	P -43 6081
14	P -40 6110
15	P -41 6278
16	P -47 5935
17	P -46 6288
18	P -47 5940
19	P -40 6112
20	P -47 5941
21	C+ -44 8539
22	P -45 6324
23	P -44 6297
24	P -45 6327
25	C+ -40 7789
26	C -46 8532
27	C -39 8147
28	P -47 5948
29	P -47 5949
30	P -43 6082
31	P -45 6328
32	C -43 8165
33	P -42 6202
34	P -49 5900
35	P -45 6331
36	P -44 6303
37	C -42 8270
38	P+ -39 5930
39	P -43 6096
40	C -42 8271
41	P -44 6305
42	P -45 6332
43	C -46 8538
44	P -42 6205
45	P -49 5910
46	P -47 5956
47	C -43 8175
48	P -49 5919
49	P -41 6296
50	P -42 6207
51	C -45 8372
52	P -47 5959
53	P -47 5960
54	P -41 6287
55	C -49 7803
56	P -45 6342
57	P -42 6211
58	P -40 6126
59	P -44 6310
60	P -43 6102
61	P -46 6292
62	P -48 5474
63	P -49 5953
64	P -41 6296
65	P -41 6297
66	C -40 7824
67	P -40 6133
68	P -40 6134
69	P -43 6106
70	P -48 5479
71	P+ -40 6135
72	P -40 6136
73	P -45 6350
74	P -42 6222
75	P -47 5970
76	P -45 6354
77	P -48 5484
78	P -40 6137
79	P -44 6311
80	C -46 8580
81	P -42 6225
82	P -49 5979
83	C -42 8333
84	P -46 6308
85	P -48 5492
86	P -41 6306
87	P -41 6307
88	C -49 7856
89	C -42 8343
90	P -45 6361
91	C -39 8209
92	P -45 6363
93	P -44 6321
94	P -43 6121
95	C+ -47 8260
96	C -47 8261
97	P -43 6125
98	P -42 6244
99	P -49 6017
00	P -49 6021

224100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 13H DM NUMBER
1	9.7E	8.4H	13 20 35.237	-0.0018	12	-45 15 37.68	0.005	12	0.69	35.316	45	06.4	37.91	45	06.4	K5	CZ	11237	P -44 6326
2	8.4E	9.0Z	20 41.128	-0.0024	12	-42 16 14.79	-0.039	12	0.67	41.250	28	98.4	12.80	26	98.4	A0	CZ	11239	P -41 6318
3	8.4E	7.8H	20 44.880	-0.0032	12	-45 12 53.51	-0.032	12	0.63	45.033	28	02.4	52.00	26	02.4	K2	CZ	11240	P -44 6328
4		6.4T	20 51.153	-0.0069	15	-49 33 42.66	-0.047	11	0.69	51.479	22	02.4	40.16	21	96.7	K0	GC	18110	C -49 7884
5	10.4E	9.6H	20 51.795	-0.0040	12	-45 28 59.22	-0.013	12	0.63	51.982	31	03.7	58.61	28	03.7	F5	CZ	11244	P -45 6369
6		6.9T	20 53.375	-0.0032	14	-47 37 46.63	-0.030	10	0.65	53.532	19	01.3	44.96	19	94.6	G5	GC	18111	C -47 8273
7	9.9E	8.0Z	20 54.391	-0.0023	12	-47 31 30.69	-0.010	12	0.73	54.501	45	01.3	30.20	45	01.3	K0	CZ	11245	P -47 5991
8	9.3E	8.6Z	20 55.962	0.0009	12	-45 56 21.86	-0.006	12	0.69	55.922	45	06.4	21.60	45	06.4	F8	CZ	11246	P -45 6371
9	10.2E	9.5Z	20 56.643	-0.0045	12	-46 41 28.03	0.006	12	0.66	56.863	31	00.7	28.32	28	00.7	F8	CZ	11247	P -46 6324
10	10.1E	9.5Z	20 57.724	-0.0017	12	-46 10 4.90	-0.001	12	0.69	57.797	45	06.4	4.86	45	06.4	A0	CZ	11249	P -45 6373
11	7.9E	8.0Z	21 5.628	-0.0013	12	-41 38 33.34	-0.017	12	0.75	5.693	45	99.4	32.49	45	99.4	F0	CZ	11252	P -41 6321
12	10.6E	9.5*	21 6.165	-0.0016	12	-49 1 43.23	0.021	12	0.66	6.242	31	00.7	44.27	28	00.7	G5	CZ	11250	P -48 5517
13	10.0E	9.6Z	21 6.586	-0.0095	12	-44 58 35.39	-0.036	12	0.70	7.021	45	04.4	33.74	45	04.4	G5	CZ	11251	P -44 6333
14	9.7E	8.2Z	21 23.442	-0.0032	12	-41 32 20.21	-0.015	12	0.75	23.602	45	99.4	19.44	45	99.4	K0	CZ	11256	P -41 6323
15	10.3E	9.8Z	21 24.095	-0.0015	12	-49 39 59.57	0.001	12	0.73	24.169	45	01.8	59.63	45	01.8	A0	CZ	11254	P -49 6034
16	10.0E	9.9Z	21 29.740	-0.0009	12	-49 26 44.87	-0.004	12	0.73	29.783	45	01.8	44.68	45	01.8	A2	CZ	11255	P -49 6037
17	9.4E	9.1*	21 33.131	-0.0008	12	-49 40 56.60	-0.002	12	0.65	33.171	31	01.0	56.51	28	01.0	B9	CZ	11259	P -49 6042
18	10.5E	8.5Z	21 37.633	-0.0021	12	-42 49 21.64	-0.007	12	0.67	37.738	28	98.6	21.27	26	98.6	K5	CZ	11264	P -42 6246
19	10.1E	9.3Z	21 44.799	-0.0026	12	-40 53 24.18	-0.011	12	0.67	44.931	28	98.4	23.61	26	98.4	K0	CZ	11267	P -40 6155
20	10.0E	9.8Z	21 47.647	-0.0030	12	-46 23 41.56	-0.023	12	0.73	47.791	45	01.9	40.45	45	01.9	A2	CZ	11266	P -46 6330
21	9.9E	9.0Z	22 3.530	-0.0044	12	-44 15 3.43	-0.019	12	0.75	3.755	45	99.4	2.45	45	99.4	K2	CZ	11269	P -43 6131
22	9.1E	9.1Z	22 4.102	-0.0022	12	-43 39 44.19	-0.027	12	0.75	4.211	45	99.4	42.81	45	99.4	A5	CZ	11270	P -43 6133
23	10.1E	9.9Z	22 9.823	-0.0020	12	-49 34 9.59	0.010	12	0.73	9.921	45	01.8	10.08	45	01.8	B9	CZ	11271	P -49 6055
24	10.2E	9.5Z	22 12.849	-0.0033	12	-48 47 14.48	-0.006	12	0.73	13.008	45	01.3	14.20	45	01.3	F0	CZ	11272	P -48 5528
25	9.7E	9.8Z	22 13.964	-0.0013	12	-49 49 33.99	-0.002	12	0.73	14.027	45	01.8	33.90	45	01.8	B9	CZ	11273	P -49 6057
26	9.8E	9.0*	22 16.857	-0.0021	12	-47 55 31.38	-0.016	12	0.64	16.958	28	01.1	30.59	26	01.1	F5	CZ	11276	P -47 6001
27	10.0E	8.5Z	22 22.893	-0.0007	12	-47 22 23.61	-0.017	12	0.68	22.926	36	02.0	22.79	36	02.0	K0	CZ	11278	P -46 6332
28	9.8E	9.4Z	22 26.884	-0.0022	12	-46 23 43.09	-0.009	12	0.67	26.988	36	02.4	42.66	36	02.4	F2	CZ	11280	P -46 6337
29	10.2E	9.8Z	22 29.017	-0.0037	12	-49 26 36.04	-0.022	12	0.73	29.195	45	01.8	35.00	45	01.8	G0	CZ	11279	P -49 6060
30	8.7E	8.5Z	22 35.618	-0.0032	12	-41 37 15.17	-0.018	12	0.67	35.781	28	98.7	14.24	26	98.7	F0	CZ	11282	P -41 6331
31		9.1T	22 37.754	0.0002	22	-42 49 52.14	-0.047	20	1.01	37.743	19	03.1	49.90	19	02.5	F0	GC	18145	C -42 8392
32	10.3E	9.4*	22 39.914	0.0004	12	-44 34 15.25	-0.003	12	0.63	39.896	28	02.1	15.12	26	02.1	G0	CZ	11284	P -44 6342
33		7.9T	22 44.669	-0.0028	15	-47 33 32.36	-0.020	10	0.70	44.815	21	98.2	31.26	18	95.2	A0	GC	18149	C -47 8295
34	10.3E	9.9Z	22 46.826	0.0018	12	-49 48 50.20	-0.011	12	0.73	46.741	45	01.8	49.67	45	01.8		CZ	11285	P -49 6064
35	9.0E	8.7Z	22 49.181	-0.0015	12	-47 15 55.14	-0.015	12	0.68	49.251	36	02.0	54.42	36	02.0	B9	CZ	11287	P -46 6340
36	9.4E	9.5Z	23 4.418	-0.0015	12	-42 25 18.61	-0.010	12	0.70	4.493	36	99.4	18.12	36	99.4	A2	CZ	11291	P -42 6256
37	8.6E	9.0Z	23 5.554	-0.0002	12	-43 37 2.62	0.009	12	0.66	5.562	26	98.9	3.06	24	98.9	A0	CZ	11292	P -43 6137
38		6.8T	23 15.732	-0.0046	09	-48 31 36.67	-0.030	06	0.37	15.932	14	06.4	35.23	14	01.3	A0	GC	18156	C -48 8188
39	9.4E	8.5Z	23 15.742	-0.0019	12	-45 47 18.89	-0.010	12	0.62	15.830	28	03.1	18.42	26	03.1	G5	CZ	112940	P*-45 6395
40	9.0E	9.0Z	23 20.251	-0.0024	12	-49 6 24.50	0.002	12	0.73	20.366	45	01.3	24.61	45	01.3	B9	CZ	11295	P -48 5543
41	9.8E	8.9Z	23 23.982	-0.0196	12	-49 26 21.65	-0.041	12	0.73	24.925	45	01.8	19.69	45	01.8	G5	CZ	11296	P -49 6075
42	9.0E	8.0Z	23 35.267	-0.0034	12	-41 35 25.81	-0.031	12	0.76	35.439	45	98.9	24.22	45	98.9	K2	CZ	11302	P -41 6338
43	9.3E	9.8Z	23 39.381	-0.0006	12	-48 38 12.05	-0.009	12	0.73	39.413	45	01.3	11.60	45	01.3	A2	CZ	11300	P -48 5551
44	8.3E	8.1*	23 40.697	-0.0035	12	-49 21 10.77	-0.006	12	0.65	40.867	31	01.0	10.49	28	01.0	A2	CZ	11301	P -48 5550
45		8.6T	23 46.303	-0.0032	15	-47 4 10.68	0.012	10	0.69	46.366	18	99.7	11.35	17	94.0	A0	GC	18165	C -46 8649
46	9.7E	9.5Z	23 46.348	-0.0005	12	-43 17 6.54	-0.012	12	0.75	46.371	45	99.4	5.92	45	99.4	A3	CZ	11304	P -42 6263
47	9.6E	8.5Z	23 47.692	-0.0027	12	-42 17 39.46	-0.015	12	0.75	47.827	45	99.4	38.72	45	99.4	A2	CZ	11305	P -41 6340
48		5.8T	24 0.952	-0.0006	09	-41 14 18.66	-0.023	07	0.35	0.976	12	09.6	17.61	12	04.6	K2	GC	18166	C -40 7894
49		6.3T	24 4.605	-0.0021	13	-48 53 3.85	-0.009	10	0.65	4.710	22	99.8	3.37	19	94.7	A0	GC	18170	C -48 8202
50	9.6E	9.0Z	24 14.409	-0.0025	12	-47 41 48.40	-0.018	12	0.72	14.525	45	02.9	47.55	45	02.9	A5	CZ	11308	P -47 6025
51		6.3T	13 24 18.613	0.0011	16	-49 7 18.84	0.006	12	0.72	18.560	19	01.8	19.17	18	97.9	B3	GC	18174	C*-48 8206
52	9.2E	8.7Z	24 32.452	0.0010	12	-40 50 57.71	-0.022	12	0.68	32.398	28	97.8	56.56	26	97.8	F8	GC	11310	P -40 6176
53	9.4	8.9W	24 57.222	-0.0062	10	-40 8 5.67	-0.011	10	0.29	57.312	28	35.4	5.52	22	35.4	G0	C8	6463	C -39 8267
54		9.1T	25 1.233	-0.0066	18	-47 7 46.45	0.009	14	0.80	1.534	24	04.6	46.90	22	00.4	F8	GC	18185	C -46 8663
55		9.0T	25 4.203	-0.0080	22	-47 26 44.48	-0.077	20	1.00	4.572	21	04.0	40.88	21	03.3	G0	GC	18186	C -47 8344
56		7.3T	25 6.862	-0.0011	17	-44 48 36.86	-0.009	13	0.78	6.917	18	01.8	36.38	21	98.9	K2	GC	18188	C -44 8661
57		7.2T	25 8.610	-0.0014	16	-43 30 35.83	-0.034	13	0.75	8.678	22	02.2	34.06	21	98.5	K0	GC	18191K	C*-43 8297
58	8.7E	8.7H	25 19.354	-0.0013	12	-45 14 44.15	-0.006	12	0.67	19.420	31	99.7	43.86	28	99.7	A0	CZ	11321	P -44 6359
59	10.1E	9.0Z	25 23.006	-0.0025	12	-43 54 25.33	0.000	12	0.67	23.136	28	98.6	25.35	26	98.6	K0	CZ	11323	P -43 6150
60	10.2E	9.0Z	25 23.457	-0.0008	12	-44 1 15.87	-0.001	12	0.75	23.500	45	99.4	15.84	45	99.4	MA	CZ	11324	P -43 6151
61	9.8E	8.0Z	25 30.060	-0.0018	12	-41 42 55.16	-0.019	12	0.67	30.151	28	98.2	54.17	26	98.2	K2	CZ	11328	P -41 6354
62	9.6E	8.8*	25 30.279	-0.0001	12	-46 5 27.21	-0.013	12	0.65	30.283	31	01.0	26.57	28	01.0	F8	CZ	11327	P -45 6414
63	10.2E	9.6Z	25 30.644	-0.0018	12	-49 38 13.58	-0.007	12	0.73	30.733	45	01.8	13.25	45	01.8	K2	CZ	11325	P -49 6109
64		7.9T	25 30.957	-0.0034	15	-48 42 45.28	-0.054	11	0.69	31.118	22	02.7	42.41	21	96.6	F5	GC	18199	C -48 8228
65	9.4E	8.3Z	25 31.180	-0.0071	12	-42 32 13.53	-0.008	12	0.75	31.538	45	99.4	13.14	45	99.4	K0	CZ	11329	P -42 6276
66	9.2E	9.4Z	25 36.441	0.0005	12	-48 9 1.69	-0.013	12	0.72	36.416	45	02.9	1.07	45	02.9	B8	CZ	11330	P -47 6046
67	11.3E	10.5H	25 36.526	0.0018	12	-48 9 16.03	-0.016	12	0.72	36.440	45	02.9	15.27	45	02.9	B8	CZ	11331	P -47 6046
68	10.2E	9.6Z	25 43.480	-0.0047	12	-43 42 31.17	-0.011	12	0.75	43.715	45	99.4	30.59	45	99.4	F8	CZ	11332	P -43 6155
69	10.0E	9.6Z	25 53.185	-0.0010	12	-46 5 32.44	-0.014	12	0.72	53.232	45	02.3	31.77	45	02.3	F0	CZ	11333	P -45 6418
70	10.1E	9.5Z	25 55.932	-0.0001	12	-47 3 58.86	0.014	12	0.71	55.935	45	03.4	59.51	45	03.4	F2	CZ	11335	P -46 6367
71	10.2E	9.6Z	25 57.462	-0.0017	12	-48 50 13.06	-0.023	12	0.73	57.543	45	01.3	11.95	45	01.3	F0	CZ	11334	P -48 5585
72	9.3E	8.8Z	25 58.201	-0.0029	12	-43 28 43.28	-0.013	12	0.75	58.345	45	99.4	42.61	45	99.4	K5	CZ	11336	P -43 6158
73	9.6E	9.6Z	26 2.511	-0.0004	12	-42 31 46.88	-0.031	12	0.75	2.530	45	99.4	45.33	45	99.4	A2	CZ	11337	P -42 6280
74	10.0E	9.5Z	26 10.452	-0.0008	12	-40 28 4.48	-0.028	12	0.69	10.492	31	97.8	3.01	28	97.8	A3	CZ	11338	P -40 6184
75		6.8T	26 17.241	0.0008	14	-45 16 44.82	0.010	10	0.66	17.203	22	01.5	45.37	21	95.5	B9	GC	18219	C -44 8669
76	10.3E	9.6Z	26 17.463	-0.0035	12	-48 30 46.15	-0.013	12	0.73	17.635	45	01.3	45.50	45	01.3	K0	CZ	11339	P -48 5590
77	10.0E	9.8Z	26 21.770	-0.0018	12	-48 37 12.91	0.002	12	0.73	21.859	45	01.3	12.99	45	01.3	F0	CZ	11342	P -48 5592
78	10.4E	9.4*	26 22.872	-0.0025	12	-48 4 3.48	-0.029	12	0.65	22.992	31	01.3	2.06	28	01.3	F0	CZ	11343	P -47 6050
79		7.0T	26 34.837	-0.0046	14	-47 37 2.33	-0.014	10	0.65	35.060	18	01.7	1.57	21	95.7	A0	GC	18225	C*-47 8365
80	10.3E	9.4Z	26 36.302	-0.0039	12	-43 57 50.51	-0.010	12	0.75	36.501	45	99.4	50.03	45	99.4	K2	CZ	11346	P -43 6163
81	8.8E	8.9H	26 36.785	-0.0020	12	-45 13 28.16	-0.013	12	0.74	36.884	45	00.3	27.53	45	00.3	B9	CZ	11345	P -44 6368
82		9.5T	26 38.504	-0.0116	22	-41 24 52.87	0.009	22	1.07	39.042	19	03.6	53.29	19	03.0	G5	GC	18227	C -41 7879
83	9.2E	9.0Z	26 39.989	-0.0054	12	-44 35 59.55	-0.015	12	0.74	40.259	45	00.3	58.83	45	00.3	F5	CZ	11347	P -44 6369
84	9.1E	7.5Z	26 42.221	-0.0016	12	-45 55 32.34	-0.016	12	0.72	42.296	45	02.3	31.57	45	02.3	K5	CZ	11349	P -45 6422
85	10.0E	8.5Z	26 42.628	-0.0023	12	-41 37 25.19	-0.020	12	0.76	42.744	45	98.9	24.16	45	98.9	K5	CZ	11354	P -41 6362
86	10.1E	9.5Z	26 43.005	-0.0051	12	-43 45 30.55	-0.008	12	0.75	43.262	45	99.4	30.13	45	99.4	G5	CZ	11353	P -43 6165
87	9.3E	9.0Z	26 44.231	0.0025	12	-47 9 36.28	-0.020	12	0.71	44.113	45	03.4	35.34	45	03.4	A0	CZ	11352	P -46 6371
88	9.7E	9.5Z	26 46.930	-0.0015	12	-44 32 10.13	-0.018	12	0.74	47.006	45	00.3	9.25	45	00.3	A2	CZ	11356	P -44 6370
89	10.0E	9.6Z	26 50.280	-0.0019	12	-49 28 55.19	-0.007	12	0.73	50.371	45	01.8	54.86	45	01.8	A3	CZ	11355	P -49 6128
90	10.1E	9.5Z	26 53.329	-0.0017	12	-42 43 40.14	-0.013	12	0.67	53.415	28	98.7	39.49	26	98.7	G5	CZ	11358	P -42 6282
91	9.7E	8.5Z	26 58.278	-0.0014	12	-46 16 48.14	0.013	12	0.71	58.342	45	03.4	48.75	45	03.4	G0	CZ	11359	P -45 6423
92	9.8E	9.6Z	27 2.035	-0.0032	12	-46 32 20.17	-0.018	12	0.67	2.187	36	03.0	19.32	36	03.0	F0	CZ	11360	P -46 6371
93	9.6E	9.0Z	27 2.221	-0.0042	12	-47 7 51.47	-0.028	12	0.71	2.415	45	03.4	50.16	45	03.4	G0	CZ	11361	P -46 6372
94	8.7E	8.5Z	27 5.988	-0.0128	12	-44 27 16.49	-0.032	12	0.74	6.625	45	00.3	14.93	45	00.3	F8	CZ	11364	P -44 6373
95		8.2T	27 6.149	-0.0105	16	-44 27 16.54	-0.027	11	0.72	6.647	22	02.7	15.09	21	97.2	F8	GC	18241	C -44 8679
96	9.3E	9.4Z	27 10.434	-0.0018	12	-48 52 31.03	-0.007	12	0.67	10.517	36	03.0	30.72	36	03.0	A3	CZ	11363	P -48 5604
97	10.0E	9.4Z	27 16.839	-0.0061	12	-49 28 10.15	-0.009	12	0.71	17.119	45	03.8	9.74	45	03.8	G0	CZ	11366	P -49 6132
98	9.8E	8.5Z	27 21.066	-0.0017	12	-47 42 54.72	-0.007	12	0.64	21.146	28	01.6	54.38	26	01.6	G5	CZ	11368	P -47 6057
99	9.2E	9.5Z	27 22.392	-0.0037	12	-43 37 3.36	-0.013	12	0.75	22.577	45	99.4	2.68	45	99.4	A3	CZ	11370	P -43 6168
00	9.4E	9.5Z	27 25.398	-0.0039	12	-49 0 24.32	-0.021	12	0.63	25.583	28	02.1	23.32	26	02.1	A5	CZ	11369	P -48 5606

224200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_{μ} ″.001	δ_{1950} ° ′ ″	μ' ″	σ_{μ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 13H DM NUMBER
1	10.1E	9.0Z	13 27 28.342	-0.0031	12	-44 21 8.28	-0.006	12	0.65	28.498	28	00.1	8.00	28	00.1	G5	CZ	11371	P -43 6169
2	9.1E	9.0Z	27 28.802	-0.0025	12	-46 20 32.20	-0.027	12	0.67	32.910	36	03.0	30.93	36	03.0	F5	CZ	11373	P -45 6424
3	9.2E	9.0Z	27 44.498	-0.0021	12	-46 30 38.43	-0.013	12	0.67	44.595	36	03.0	38.81	36	03.0	A2	CZ	11375	P -46 6376
4	8.5Z	8.4Z	27 44.495	-0.0040	12	-49 5 50.04	-0.018	12	0.67	44.682	36	03.0	49.21	36	03.0	K5	CZ	11374	P -49 5612
5	9.1E	8.9E	27 47.723	-0.0060	12	-44 49 44.65	0.018	12	0.65	48.024	28	00.1	45.53	28	00.1	G0	CZ	11377	P -44 6379
6	9.3E	9.0Z	27 49.183	-0.0032	12	-40 51 4.74	-0.034	12	0.86	49.326	63	98.3	2.98	57	98.3	F2	CZ	11378	P -40 6189
7	9.2E	8.9Z	27 55.430	0.0045	12	-43 27 18.12	-0.012	12	0.65	55.656	28	99.2	15.50	24	99.2	A5	CZ	11380	P -43 6175
8	10.0E	9.5Z	27 57.521	0.0008	12	-41 24 15.77	-0.004	12	0.70	57.475	36	99.7	15.56	36	99.7	MA	CZ	11382	P -41 6368
9	9.4E	9.2Z	28 0.321	-0.0037	12	-45 7 13.54	0.001	12	0.88	0.504	36	00.7	13.40	36	00.7	F8	CZ	11383	P -44 6381
10	9.1E	9.0Z	28 3.318	-0.0089	12	-41 11 3.04	-0.016	12	0.86	3.461	63	98.3	2.20	57	98.3	A5	CZ	11384	P -40 6191
11	10.4	9.8E	28 12.154	-0.0019	12	-41 35 34.68	-0.010	12	0.70	12.268	36	99.7	33.77	36	99.7	A2	CZ	11385	P -41 6370
12	9.9E	9.2E	28 12.186	-0.0025	12	-41 35 45.38	-0.004	12	0.70	12.300	36	99.7	44.17	36	99.7	A2	CZ	11386	P -41 6370
13	10.3E	9.6E	28 25.318	-0.0025	12	-49 40 42.24	-0.011	12	0.84	25.429	21	02.3	41.73	28	02.3	B8	CZ	11388	P -49 6148
14		8.6Y	28 25.498	0.0043	11	-42 12 25.97	-0.019	11	0.80	25.279	15	99.0	24.82	17	96.1	K0	GC	18265K	C -41 7901
15	9.0E	8.8Z	28 30.250	-0.0015	12	-46 28 40.30	-0.027	12	0.83	30.322	28	01.9	39.00	28	01.9	A0	CZ	11392	P -46 6382
16	9.3E	8.5Z	28 31.658	-0.0055	12	-43 3 10.91	-0.035	12	0.66	31.935	28	99.3	9.12	28	99.3	F5	CZ	11394	P -42 6209
17		7.8Y	28 33.155	-0.0029	17	-41 19 39.16	0.005	15	0.77	33.293	19	02.2	39.41	19	00.7	K0	GC	18268	C -40 7930
18		7.6Y	28 33.633	-0.0010	16	-47 53 44.12	-0.021	12	0.72	33.681	22	02.8	43.02	21	97.5	K0	GC	18269	C -47 8383
19		8.1Y	28 37.397	-0.0080	30	-47 35 2.51	-0.029	20	1.12	37.653	26	07.5	1.19	24	04.7	K5	GC	18272	C -47 8384
20		9.0Y	28 47.184	-0.0021	30	-47 39 37.30	-0.053	20	1.12	47.274	26	07.5	34.89	24	04.7	G5	GC	18278	C -47 8387
21	9.1E	8.3Z	28 49.421	-0.0038	12	-43 45 47.88	-0.017	12	0.74	49.611	45	00.4	47.06	45	00.4	G5	CZ	11400	P -43 6182
22	10.0E	9.2E	28 54.479	-0.0031	12	-48 17 14.12	-0.013	12	0.67	54.623	36	03.0	15.50	36	03.0	A0	CZ	11401	P -47 6057
23	9.1H	9.1H	28 55.415	0.0019	12	-40 28 12.42	-0.060	12	0.86	55.315	63	98.3	9.31	57	98.3	F8	CZ	11402	P -40 6202
24	8.8E	8.0Z	29 11.593	-0.0016	12	-42 26 46.02	-0.013	12	0.66	11.673	28	99.2	45.38	28	99.2	B9	CZ	11404	P -42 6295
25	10.0E	9.2Z	29 15.080	-0.0146	12	-47 9 38.62	-0.094	12	0.72	15.777	45	02.9	34.18	45	02.9	G5	CZ	11405	P -46 6388
26	9.7E	9.1E	29 18.734	-0.0022	12	-48 13 51.23	-0.028	12	0.65	18.839	31	01.3	49.86	28	01.3	A5	CZ	11407	P -47 6071
27	9.0E	9.0Z	29 19.625	-0.0015	12	-43 47 16.26	-0.029	12	0.74	19.701	45	00.4	14.84	45	00.4	A0	CZ	11408	P -43 6186
28		7.2Y	29 23.819	0.0016	16	-47 0 46.79	-0.141	11	0.71	23.744	19	01.9	39.53	18	98.5	G0	GC	18290	C -46 8706
29	10.1E	9.6Z	29 35.688	-0.0000	12	-49 42 22.37	-0.010	12	0.71	35.689	45	03.8	21.92	45	03.8	A2	CZ	11410	P -49 6164
30		7.4Y	29 40.219	-0.0046	10	-44 11 36.38	-0.028	08	0.42	40.416	15	07.0	35.07	14	03.9	A0	GC	18292	C -43 8362
31	10.1E	9.7Z	29 44.272	-0.0007	12	-44 47 20.28	-0.016	12	0.73	44.308	45	01.3	19.48	45	01.3	F0	CZ	11413	P -44 6389
32	9.7E	8.9Z	29 48.176	-0.0030	12	-46 39 21.57	-0.004	12	0.72	48.314	45	02.9	21.37	45	02.9	G5	CZ	11414	P -46 6393
33	9.3E	9.0Z	29 57.052	-0.0020	12	-43 50 57.98	-0.048	12	0.74	57.153	45	00.4	55.62	45	00.4	F5	CZ	11416	P -43 6194
34	9.8E	9.0Z	30 0.762	-0.0023	12	-46 36 15.42	-0.022	12	0.65	0.872	31	01.4	14.35	28	01.4	A3	CZ	11417	P -46 6395
35	9.9E	9.6Z	30 2.595	-0.0033	12	-47 8 7.42	-0.011	12	0.72	2.749	45	02.9	6.91	45	02.9	A3	CZ	11418	P -46 6396
36		9.0Y	30 3.310	-0.0040	20	-45 16 26.44	-0.026	20	0.94	3.498	19	03.2	25.27	19	03.0	K2	GC	18298	C -44 8709
37		8.0Y	30 4.546	-0.0033	15	-47 30 57.04	-0.030	11	0.69	4.708	19	01.1	55.45	18	97.0	A2	GC	18299	C -47 8401
38	10.0E	9.0Z	30 13.541	-0.0021	12	-47 1 33.36	-0.014	12	0.72	13.638	45	02.9	32.71	45	02.9	K0	CZ	11421	P -46 6399
39	9.1E	9.1E	30 14.806	-0.0014	12	-46 7 49.25	-0.020	12	0.66	14.874	31	00.6	48.27	28	00.6	K0	CZ	11423	P -45 6443
40	9.3E	9.4Z	30 16.356	-0.0017	12	-48 2 6.56	-0.025	12	0.72	16.434	45	02.9	5.38	45	02.9	A2	CZ	11422	P -47 6076
41	9.2E	9.1E	30 18.749	-0.0033	12	-48 41 8.29	-0.022	12	0.65	18.910	31	02.0	7.22	28	02.0	A0	CZ	11424	P -48 5641
42		9.9Y	30 28.331	-0.0060	16	-47 16 49.33	-0.052	13	0.73	28.564	24	03.7	46.81	24	01.7	M1	GC	18314	C -46 8718
43		6.7Y	30 31.382	-0.0125	15	-43 9 59.36	-0.029	11	0.69	32.009	18	00.5	37.80	18	96.9	F5	GC	18316	C -42 8523
44	9.4E	8.6Z	30 43.637	0.0009	12	-42 13 38.92	-0.005	12	0.74	43.994	45	99.8	38.75	45	99.8	F2	CZ	11429	P -41 6386
45		7.5Y	30 44.589	-0.0086	16	-41 3 44.31	0.003	11	0.72	44.712	22	02.7	44.46	21	97.2	A2	GC	18321	C -40 7971
46	10.1E	9.6Z	30 46.452	-0.0007	12	-48 47 42.65	-0.017	12	0.71	46.482	45	03.3	41.87	45	03.3	A0	CZ	11428	P -48 5650
47	9.1E	9.3Z	31 2.349	-0.0015	12	-44 57 24.71	-0.014	12	0.73	2.423	45	01.3	24.02	45	01.3	A0	CZ	11431	P -44 6407
48	9.4E	8.5Z	31 10.726	0.0091	12	-46 59 19.82	-0.062	12	0.72	10.295	45	02.9	22.74	45	02.9	G0	CZ	11432	P -46 6405
49	10.1E	9.3E	31 12.671	-0.0028	12	-45 55 40.60	-0.027	12	0.66	12.807	31	00.6	39.27	28	00.6	K0	CZ	11434	P -45 6451
50	9.3E	8.5Z	31 13.386	0.0010	12	-42 37 18.04	-0.010	12	0.74	13.335	45	00.4	17.52	45	00.4	K2	CZ	11435	P -42 6308
51	10.1E	9.5Z	13 31 14.390	-0.0000	12	-43 9 28.10	-0.021	12	0.74	14.392	45	00.4	27.05	45	00.4	F5	CZ	11436	P -42 6309
52	9.1E	8.3Z	31 16.157	-0.0012	12	-40 43 41.37	-0.016	12	0.68	16.222	28	97.8	40.44	26	97.8	K0	CZ	11437	P -40 6214
53	10.0E	9.1Z	31 21.612	-0.0004	12	-42 51 30.31	-0.001	12	0.74	21.635	45	00.4	30.25	45	00.4	K2	CZ	11439	P -42 6310
54		6.4Y	31 25.869	-0.0029	15	-48 0 58.67	-0.015	10	0.67	26.031	19	01.3	57.86	18	96.4	A0	GC	18333	C -47 8417
55	9.0E	8.5Z	31 27.927	-0.0028	12	-42 8 53.14	-0.060	12	0.74	28.070	45	99.8	50.11	45	99.8	F8	CZ	11442D	P -41 6390
56	8.9E	7.7Z	31 32.621	-0.0050	12	-49 36 37.34	-0.064	12	0.71	32.853	45	03.8	34.40	45	03.8	F8	CZ	11441	P -49 6188
57	9.1E	9.0Z	31 37.004	0.0017	12	-42 34 43.05	-0.007	12	0.86	36.916	28	99.3	42.67	26	99.3	A3	CZ	11446	P -42 6317
58	9.1E	7.5Z	31 40.944	-0.0006	12	-42 1 45.72	0.003	12	0.67	40.977	28	98.8	45.86	26	98.8	K5	CZ	11447	P -41 6394
59	10.0E	9.5Z	31 42.232	-0.0023	12	-40 59 33.09	-0.029	12	0.86	42.349	63	98.3	31.60	57	98.3	A0	CZ	11449	P -40 6218
60		9.4Y	31 56.127	0.0002	16	-47 20 48.23	-0.007	12	0.72	56.120	24	03.7	47.88	22	99.0	M0	GC	18344	C -46 8731
61	9.7E	8.0Z	31 56.521	-0.0019	12	-43 45 22.50	-0.006	12	0.66	56.615	28	99.3	22.19	26	99.3	K0	CZ	11452	P -43 6203
62	9.7E	9.5Z	32 1.693	-0.0023	12	-43 38 31.74	-0.016	12	0.74	1.810	45	00.4	30.94	45	00.4	A0	CZ	11453	P -43 6204
63	9.3E	9.5Z	32 16.991	-0.0027	12	-44 44 45.90	-0.023	12	0.66	17.126	31	00.3	44.74	28	00.3	A2	CZ	11455	P -44 6420
64	8.6E	9.0N	32 21.208	-0.0008	12	-45 28 4.59	-0.013	12	0.65	21.249	28	00.8	3.95	26	00.8	A0	CZ	11456	P -45 6455
65	10.2E	9.0Z	32 26.927	0.0007	12	-41 33 24.50	-0.011	12	0.66	26.889	28	99.0	23.94	26	99.0	K5	CZ	11458	P -41 6398
66	9.2E	9.2N	32 29.461	0.0004	12	-45 19 13.48	-0.018	12	0.68	29.443	36	01.6	12.61	36	01.6	A2	CZ	11459	P -44 6422
67		7.8Y	32 33.332	-0.0076	13	-48 15 43.75	-0.007	10	0.63	33.702	22	01.4	43.36	19	94.8	A2	GC	18358	C -47 8437
68	9.3E	8.5Z	32 42.192	-0.0023	12	-48 56 19.80	-0.016	12	0.65	42.300	31	02.0	19.05	28	02.0	K5	CZ	11462	P -48 5671
69	8.9E	8.0Z	33 3.170	-0.0044	12	-47 28 30.40	-0.029	12	0.68	3.381	36	02.1	29.01	36	02.1	A2	CZ	11463	P -47 6098
70		8.4Y	33 7.755	-0.0025	15	-48 32 48.89	-0.012	11	0.67	7.875	18	01.9	48.28	19	98.0	A0	GC	18371	C -48 8328
71		7.0Y	33 27.800	-0.0002	09	-42 9 36.90	-0.007	07	0.40	27.808	15	06.4	38.58	14	01.3	A0	GC	18378	C -41 7972
72		7.7Y	33 33.163	-0.0159	22	-47 2 35.95	-0.029	22	1.04	33.887	21	04.6	34.63	21	04.6	K0	GC	18379	C -46 8743
73	10.0E	9.6Z	33 39.672	-0.0072	12	-49 15 32.62	-0.082	12	0.71	40.008	45	03.3	29.74	45	03.3	G0	CZ	11469	P -48 5688
74	9.9E	9.0Z	33 41.920	-0.0020	12	-47 14 47.07	-0.020	12	0.68	42.016	36	02.1	46.11	36	02.1	F0	CZ	11470	P -46 6419
75		6.0Y	34 6.307	-0.0048	12	-43 53 18.26	-0.019	08	0.58	6.562	18	97.2	17.11	15	91.5	K0	GC	18391	C -43 8418
76	10.1E	9.6Z	34 7.282	-0.0040	12	-43 43 3.91	-0.012	12	0.74	7.486	45	00.4	3.30	45	00.4		CZ	11477	P -43 6221
77	8.1E	8.0Z	34 9.085	0.0007	12	-46 45 40.55	-0.019	12	0.73	9.090	45	01.4	39.63	45	01.4	A0	CZ	11474	P -46 6423
78		7.3Y	34 10.058	0.0001	12	-42 31 36.41	-0.023	11	0.64	10.052	18	98.9	35.16	18	96.4	K5	GC	18392	C -42 8580
79	9.1E	9.8Z	34 12.320	-0.0034	12	-49 45 41.70	-0.021	12	0.71	12.477	45	03.3	40.73	45	03.3	A2	CZ	11476	P -49 6223
80	8.9E	8.5Z	34 19.105	-0.0007	12	-47 17 0.73	-0.022	12	0.66	19.140	31	00.4	-59.66	28	00.4	B9	CZ	11480	P -46 6424
81		7.6Y	34 20.794	-0.0015	14	-40 38 35.69	-0.036	13	0.68	20.866	15	01.8	33.90	15	00.5	A2	GC	18393	C -40 8022
82	9.5E	9.0Z	34 20.833	-0.0014	12	-46 32 24.74	-0.024	12	0.73	20.901	45	01.4	23.57	45	01.4	A0	CZ	11481	P -46 6425
83		6.0Y	34 21.531	-0.0010	10	-46 10 24.37	-0.037	09	0.56	21.582	21	96.8	22.21	19	91.6	B8	GC	18395	C -45 8578
84	10.4E	9.7Z	34 32.607	-0.0028	12	-43 27 23.71	-0.026	12	0.66	32.747	28	99.2	22.38	26	99.2		CZ	11486	P -43 6225
85	10.1E	9.0Z	34 37.550	-0.0022	12	-47 41 21.64	-0.021	12	0.73	37.656	45	01.4	20.63	45	01.4	G5	CZ	11487	P -47 6107
86	8.9E	8.6Y	34 42.081	-0.0010	12	-45 55 57.86	-0.018	12	0.86	42.130	31	00.6	56.97	28	00.6	A0	CZ	11490	P -45 6469
87	10.3E	9.6Z	34 44.520	-0.0054	12	-49 48 5.80	-0.028	12	0.71	44.770	45	03.3	4.50	45	03.3	F8	CZ	11489	P -49 6231
88	9.8E	8.9Z	34 46.280	-0.0012	12	-45 37 43.30	-0.022	12	0.73	46.340	45	01.7	42.24	45	01.7	K5	CZ	11492	P -45 6470
89		8.1Y	34 53.460	-0.0045	22	-42 15 37.89	-0.019	20	1.01	53.670	19	03.2	37.00	18	02.1	A0	GC	18407	C -41 7995
90	9.4E	8.5Z	34 58.797	-0.0038	12	-46 35 0.20	-0.023	12	0.73	58.981	45	01.4	-59.08	45	01.4	K2	CZ	11494	P -46 6429
91		9.7Y	34 59.235	-0.0112	22	-41 19 25.21	-0.019	22	1.06	59.754	19	03.6	24.32	19	03.6	G5	GC	18414	C -40 8031
92		7.0Y	35 4.338	-0.0028	15	-42 30 39.54	-0.006	12	0.73	4.467	19	99.5	39.19	17	95.2	K5	GC	18417	C -42 8596
93	8.4E	8.5Z	35 4.943	-0.0068	12	-45 12 56.49	-0.010	12	0.66	5.282	31	00.3	56.00	28	00.3	F0	CZ	11498	P -44 6445
94	8.4E	8.5Z	35 8.179	-0.0032	12	-47 42 37.05	-0.023	12	0.66	8.337	31	00.4	35.90	28	00.4	A3	CZ	11497	P -47 6111
95	10.3E	9.8Z	35 14.777	-0.0085	12	-48 43 46.67	-0.008	12	0.71	15.172	45	03.3	46.28	45	03.3		CZ	11501	P -48 5709
96	9.0E	8.6Y	35 18.024	-0.0013	12	-49 30 34.00	-0.010	12	0.65	18.084	31	02.0	33.53	28	02.0	A0	CZ	11504	P -49 6241
97	9.3E	8.0Z	35 18.207	-0.0011	12	-49 48 5.39	0.016	12	0.71	18.256	45	03.3	6.14	45	03.3	K2	CZ	11503	P -49 6240
98	9.4E	8.5Z	35 22.349	0.0014	12	-42 7 53.58	-0.025	12	0.64	22.279	28	01.0	52.37	26	01.0	F5	CZ	11507D	P -41 6407
99	11.8E	10.3H	35 27.573	0.0009	12	-49 27 37.86	-0.007	12	0.71	27.531	45	03.3	37.55	45	03.3	F0	CZ	11505	P -49 6243
00	10.9E	9.8Z	35 28.509	-0.0002	12	-49 27 45.46	-0.001	12	0.71	28.519	45	03.3	45.42	45	03.3	F0	CZ	11506	P -49 6243

224300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.5E	9.1Z	13 35 33.837	-0.0014	12	-46 8 22.13	-0.047	12	0.73	33.905	45	01.7	19.87	45	01.7	K2	CZ	11509	P -45 6477
2	8.8E	8.0Z	35 42.042	0.0001	12	-46 43 9.92	-0.016	12	0.73	42.036	45	01.4	9.14	45	01.4	K2	CZ	11511	P -46 6435
3		7.8T	35 42.327	-0.0022	15	-44 15 44.84	-0.038	13	0.73	42.436	17	00.8	42.90	17	98.3	A0	GC	18436	C -43 8433
4		7.4T	35 43.811	-0.0044	20	-49 14 28.83	-0.037	14	0.81	44.006	24	05.7	27.10	24	02.8	K2	GC	18438	C -48 8367
5	10.1E	9.5Z	35 45.142	0.0006	12	-42 35 31.88	-0.048	12	0.74	45.111	45	00.4	29.51	45	00.4	F0	CZ	11514	P -42 6339
6	9.9E	9.5Z	35 57.748	-0.0065	12	-47 31 8.31	-0.023	12	0.73	58.064	45	01.4	7.20	45	01.4	G0	CZ	11515	P -47 6122
7	10.3E	9.4Z	35 58.735	0.0020	12	-44 35 29.43	-0.009	12	0.73	58.640	45	01.3	29.01	45	01.3	G0	CZ	11516	P -44 6452
8	10.0E	9.5*	36 1.500	-0.0019	12	-46 31 15.96	-0.034	12	0.66	1.693	31	00.4	14.27	28	00.4	F0	CZ	11517	P -46 6438
9	10.0E	9.0Z	36 5.067	-0.0012	12	-48 32 55.90	-0.012	12	0.71	5.122	45	03.3	55.33	45	03.3	K5	CZ	11520	P -48 5719
10	9.5E	8.2Z	36 5.563	-0.0005	12	-49 48 6.88	0.008	12	0.71	5.584	45	03.3	7.26	45	03.3	K0	CZ	11518	P -49 6252
11	8.9E	8.1Z	36 9.353	-0.0117	12	-48 44 38.25	-0.005	12	0.65	9.913	31	02.0	38.00	28	02.0	K0	CZ	11521	P -48 5720
12	9.7E	9.9Z	36 10.914	-0.0105	12	-48 44 45.76	-0.000	12	0.71	11.403	45	03.3	45.75	45	03.3		CZ	11522	P -48 5721
13	10.0E	8.5Z	36 13.302	-0.0021	12	-41 0 17.46	-0.024	12	0.81	13.396	63	04.4	16.36	57	04.4	K5	CZ	11523	P -40 6247
14	10.2E	9.4H	36 42.357	-0.0020	12	-45 17 28.72	-0.016	12	0.73	42.435	45	01.7	27.96	45	01.7	K0	CZ	11525	P -44 6455
15	8.6E	8.1*	36 44.979	-0.0047	12	-48 10 49.46	-0.036	12	0.66	45.212	31	00.4	47.67	28	00.4	K0	CZ	11524	P -47 6128
16	9.9E	9.7Z	36 47.455	-0.0010	12	-45 8 51.19	-0.014	12	0.73	47.504	45	01.3	50.51	45	01.3	A0	CZ	11527	P -44 6456
17		5.6T	36 53.546	-0.0116	08	-49 41 49.67	0.008	06	0.34	54.017	14	09.2	50.06	12	03.4	MB	GC	18462	C -49 8095
18	10.0E	9.0Z	36 53.934	0.0000	12	-41 5 26.16	-0.017	12	0.81	53.933	63	04.4	25.38	57	04.4	F2	CZ	11529	P -40 6253
19	9.7E	9.2H	37 12.041	-0.0040	12	-45 27 46.38	-0.029	12	0.73	12.232	45	01.7	44.98	45	01.7		CZ	11531	P*-45 6489
20	9.1E	8.7H	37 12.347	-0.0046	12	-45 27 23.71	-0.036	12	0.73	12.567	45	01.7	21.97	45	01.7	F8	CZ	11532	-P*-45 6488
21	9.5E	9.2Z	37 29.110	-0.0015	12	-46 16 4.11	-0.053	12	0.67	29.181	36	02.4	1.59	36	02.4	G5	CZ	11538	P -45 6491
22		6.8T	37 36.807	-0.0016	15	-44 4 37.87	-0.024	13	0.73	36.885	19	02.1	36.65	21	98.4	A0	GC	18474	C -43 8458
23		9.7T	37 38.503	-0.0038	22	-42 51 47.43	-0.046	22	1.06	38.677	19	03.7	45.28	19	03.7	A3	GC	18476	C -42 8641
24	8.8E	8.5Z	37 39.818	-0.0028	12	-45 40 41.62	-0.014	12	0.67	39.954	36	02.6	40.96	36	02.6	A5	CZ	11541	P -45 6494
25	8.7E	8.0Z	37 41.224	-0.0047	12	-44 0 31.12	0.007	12	0.65	41.461	28	99.9	31.49	26	99.9	K0	CZ	11543	P -43 6242
26	9.5E	9.8H	37 43.076	-0.0020	12	-45 19 29.50	0.014	12	0.67	43.169	36	02.6	30.16	36	02.6	A5	CZ	11544	P -44 6464
27	10.3E	9.5Z	37 45.059	-0.0030	12	-42 6 8.01	-0.005	12	0.65	45.206	28	00.6	7.78	26	00.6	G5	CZ	11546	P -41 6420
28		9.2T	37 45.091	-0.0044	22	-43 2 10.28	-0.043	22	1.06	45.293	19	03.7	8.27	19	03.7	F5	GC	18477	C -42 8642
29	9.3E	9.0Z	37 58.919	-0.0042	12	-44 59 58.58	-0.030	12	0.65	59.129	28	00.6	57.08	26	00.6	A0	CZ	11547	P -44 6467
30		8.7T	38 4.808	-0.0015	15	-45 20 7.24	-0.016	11	0.69	4.880	22	02.6	6.40	21	97.0	K5	GC	18480	C*-44 8811
31	9.2E	8.0Z	38 6.646	-0.0012	12	-48 3 58.03	-0.014	12	0.68	6.703	36	01.7	57.35	36	01.7	MA	CZ	11548	P -47 6143
32	9.8E	9.6Z	38 7.951	-0.0027	12	-46 5 36.14	-0.017	12	0.67	8.079	36	02.6	35.33	36	02.6	A0	CZ	11550	P -45 6499
33		6.7T	38 10.883	-0.0034	11	-45 46 32.95	-0.046	08	0.43	11.021	15	09.0	30.90	15	05.5	K0	GC	18482	C -45 8628
34		8.7T	38 12.527	-0.0004	22	-42 14 59.04	0.015	20	1.03	12.545	18	02.2	59.78	15	01.7	K0	GC	18484	C -41 8048
35	9.8E	9.6Z	38 13.287	-0.0022	12	-44 23 49.90	-0.016	12	0.68	13.396	36	01.3	49.15	36	01.3	F8	CZ	11554	P -44 6470
36	9.7E	9.0Z	38 16.205	-0.0025	12	-47 25 13.72	-0.006	12	0.65	16.328	28	00.8	13.42	26	00.8	A2	CZ	11553	P -47 6145
37	10.2E	9.2Z	38 25.521	-0.0018	12	-49 39 32.24	-0.020	12	0.71	25.603	45	03.3	31.32	45	03.3	K2	CZ	11556	P -49 6289
38		6.9T	38 34.010	0.0006	12	-45 14 27.63	-0.032	08	0.59	33.981	22	99.6	25.72	19	90.2	K2	GC	18497	C -44 8813
39	9.4E	9.0Z	38 37.381	-0.0019	12	-45 56 54.36	-0.015	12	0.67	37.470	36	02.6	53.65	36	02.6	A5	CZ	11558	P -45 6503
40	9.1E	9.8Z	38 42.179	-0.0028	12	-41 18 27.40	-0.036	12	0.73	42.312	45	01.9	25.66	45	01.9	F5	CZ	11561	P -40 6260
41		9.4T	38 44.478	-0.0112	22	-40 21 26.95	-0.049	22	1.06	44.999	18	03.5	24.67	18	03.5	F8	GC	18501	C*-39 8405
42	9.8E	9.7Z	38 48.860	0.0015	12	-43 24 59.12	-0.023	12	0.74	48.784	45	00.4	57.96	45	00.4	F8	CZ	11563	P -43 6245
43	8.6E	8.8Z	38 49.575	-0.0006	12	-48 52 5.72	-0.005	12	0.63	49.604	28	02.1	5.50	26	02.1	A2	CZ	11560	P -48 5757
44	9.8E	9.6Z	38 50.030	-0.0023	12	-43 31 48.89	0.003	12	0.74	50.143	45	00.4	49.02	45	00.4	G5	CZ	11564	P -43 6246
45	8.6E	8.5Z	38 52.995	-0.0002	12	-45 35 58.33	-0.018	12	0.72	53.006	45	02.8	57.48	45	02.8	B5	CZ	11565	P -45 6505
46		8.7T	38 53.506	-0.0024	22	-42 55 26.30	0.001	03	0.75	53.611	24	05.8	26.33	22	03.6	A2	GC	18506	C -42 8653
47	9.4E	9.0Z	38 54.421	0.0000	12	-42 2 35.29	-0.029	12	0.73	54.420	45	01.9	33.91	45	01.9	A0	CZ	11568	P -41 6426
48		9.4T	38 58.728	-0.0168	26	-48 12 43.90	-0.187	26	1.18	59.490	21	04.7	35.42	21	04.7	F8	GC	18508	C -47 8526
49		7.3T	39 1.120	-0.0032	15	-42 53 41.03	-0.009	11	0.69	1.273	22	01.7	40.53	21	96.2	B9	GC	18510	C -42 8656
50	10.0E	8.5Z	39 2.424	-0.0010	12	-49 9 29.66	-0.012	12	0.64	2.471	31	02.8	29.11	31	02.8	K5	CZ	11569	P -48 5761
51	10.1E	9.4Z	13 39 7.610	-0.0048	12	-43 41 37.70	-0.020	12	0.74	7.846	45	00.4	36.69	45	00.4		CZ	11572	P -43 6249
52	8.5E	8.5Z	39 14.012	-0.0079	12	-45 11 33.17	-0.054	12	0.73	14.398	45	01.3	30.55	45	01.3	F0	CZ	11573	P -44 6479
53	9.5E	9.0Z	39 15.005	-0.0047	12	-43 42 54.32	-0.021	12	0.74	15.237	45	00.4	53.27	45	00.4	K0	CZ	11576	P -43 6250
54	8.8E	8.5Z	39 16.763	0.0042	12	-46 59 52.54	-0.021	12	0.65	16.558	31	01.1	51.51	28	01.1	F8	CZ	11574	P -46 6462
55		7.3T	39 43.477	-0.0011	17	-42 56 1.57	-0.036	13	0.77	43.529	17	01.3	59.68	17	97.9	A2	GC	18518	C -42 8664
56		7.2T	39 48.517	-0.0022	10	-43 56 20.53	-0.013	08	0.41	48.609	15	08.6	19.96	14	04.6	B8	GC	18524	C -43 8480
57	9.2E	8.0Z	39 51.571	-0.0018	12	-46 44 19.56	-0.009	12	0.72	51.656	45	02.4	19.13	45	02.4	K2	CZ	11580	P -46 6463
58	9.9E	9.0Z	39 55.222	-0.0021	12	-47 6 17.50	-0.016	12	0.72	55.322	45	02.4	16.74	45	02.4	K2	CZ	11581	P -46 6464
59		6.0T	39 56.346	-0.0054	14	-41 8 55.79	-0.053	10	0.65	56.614	18	00.3	52.96	17	96.8	K0	GC	18526	C -40 8096
60		7.8T	39 58.761	-0.0021	16	-41 55 47.45	-0.043	11	0.72	58.859	22	02.7	45.20	21	97.2	G0	GC	18529	C -41 8077
61	8.5E	9.0*	40 8.241	-0.0026	12	-44 23 18.37	-0.002	12	0.66	8.372	31	00.3	18.29	28	00.3	A0	CZ	11586	P -44 6483
62	8.5E	8.4*	40 15.894	-0.0031	12	-45 47 42.12	-0.009	12	0.65	16.045	31	01.3	41.69	28	01.3	A0	CZ	11588	P -45 6510
63	9.0E	8.5*	40 17.923	-0.0058	12	-46 23 3.24	-0.037	12	0.65	18.207	31	01.1	1.43	28	01.1	F2	CZ	11589	P -46 6466
64	8.9E	8.0Z	40 27.395	-0.0021	12	-42 25 50.99	-0.002	12	0.67	27.502	28	98.7	50.91	26	98.7	K0	CZ	11591	P -42 6368
65		6.1T	40 40.413	-0.0025	09	-41 48 58.60	-0.010	07	0.38	40.525	12	05.1	58.13	12	01.6	B8	GC	18546	C -41 8089
66	9.5E	9.4Z	40 46.336	-0.0018	12	-46 21 36.75	-0.069	12	0.72	46.422	45	02.4	33.47	45	02.4	F2	CZ	11595	P -45 6513
67		7.4T	40 48.649	-0.0008	14	-45 11 8.44	-0.034	10	0.67	48.689	22	01.4	6.61	21	95.9	F0	GC	18549	C -44 8843
68	9.3E	9.0Z	40 51.823	-0.0015	12	-41 59 42.44	-0.002	12	0.73	51.893	45	01.9	42.36	45	01.9	F0	CZ	11600	P -41 6440
69	9.9E	8.5Z	40 52.375	-0.0018	12	-46 25 5.73	0.003	12	0.72	52.460	45	02.4	5.88	45	02.4	K5	CZ	11597	P -46 6471
70	9.0E	8.5Z	40 52.610	-0.0009	12	-42 19 53.94	-0.016	12	0.75	52.654	45	99.4	53.14	45	99.4	A3	CZ	11601	P -41 6441
71	9.6E	8.6Z	40 52.833	-0.0024	12	-46 28 20.45	-0.029	12	0.72	52.948	45	02.4	19.07	45	02.4	K2	CZ	11599	P -46 6472
72	9.7E	9.5Z	40 54.436	-0.0034	12	-43 30 36.30	-0.039	12	0.74	54.603	45	00.4	34.35	45	00.4	F8	CZ	11602	P -43 6259
73	9.7E	8.5Z	40 55.995	-0.0014	12	-49 23 23.73	-0.016	12	0.72	56.062	45	02.3	22.98	45	02.3	G5	CZ	11598	P -49 6317
74		8.0T	40 58.747	-0.0040	20	-41 5 47.17	-0.067	15	0.85	58.927	24	04.9	43.85	22	00.6	F8	GC	18552	C -40 8109
75	9.5E	9.0Z	40 59.501	-0.0043	12	-46 50 8.88	-0.019	12	0.72	59.705	45	02.4	7.98	45	02.4	G0	CZ	11603	P -46 6474
76	9.7E	9.0Z	41 5.062	-0.0041	12	-46 53 54.26	-0.020	12	0.72	5.256	45	02.4	53.31	45	02.4	F5	CZ	11606	P -46 6475
77		7.3T	41 7.841	0.0024	12	-43 11 24.28	0.004	12	0.65	7.717	22	99.0	24.48	21	95.9	B9	GC	18557	C -42 8685
78	10.2E	9.0Z	41 7.996	-0.0019	12	-48 51 54.41	-0.011	12	0.72	8.086	45	02.2	53.90	45	02.2	A0	CZ	11608	P -48 5785
79	10.2E	9.0Z	41 12.319	-0.0013	12	-48 37 37.61	-0.041	12	0.72	12.380	45	02.2	35.65	45	02.2	F2	CZ	11610	P -48 5786
80	10.0E	9.3*	41 12.492	-0.0016	12	-49 31 21.43	-0.022	12	0.65	12.568	31	01.3	20.38	28	01.3	A0	CZ	11609	P -49 6321
81	9.9E	9.7Z	41 14.310	-0.0016	12	-49 44 7.25	-0.022	12	0.72	14.384	45	02.3	6.22	45	02.3	B9	CZ	11611	P -49 6322
82	9.1E	9.0Z	41 14.579	-0.0073	12	-43 48 0.85	-0.019	12	0.66	14.951	28	99.2	-59.86	26	99.2	A5	CZ	11615	P -43 6262
83	9.9E	9.0Z	41 15.248	-0.0027	12	-49 10 5.08	-0.038	12	0.72	15.376	45	02.2	3.29	45	02.2	G0	CZ	11613	P -48 5787
84	10.2E	9.5Z	41 16.957	-0.0007	12	-48 57 41.37	0.003	12	0.72	16.990	45	02.2	41.53	45	02.2	F8	CZ	11614	P -48 5790
85	10.3E	9.8Z	41 27.128	-0.0008	12	-49 9 0.33	0.010	12	0.72	27.166	45	02.2	0.82	45	02.2	F5	CZ	11616	P -48 5791
86	10.2E	9.7Z	41 27.826	-0.0017	12	-49 20 25.93	-0.022	12	0.72	27.908	45	02.3	24.90	45	02.3	A0	CZ	11617	P -48 5792
87	7.7E	7.5Z	41 33.202	0.0007	12	-46 57 59.76	0.008	12	0.72	33.169	45	02.4	+ 0.16	45	02.4	G5	CZ	11620	P -46 6479
88	8.9E	8.5Z	41 36.635	-0.0046	12	-49 2 55.11	-0.039	12	0.65	36.859	31	01.3	53.23	28	01.3	F0	CZ	11621	P -48 5793
89	10.3E	9.8Z	41 41.303	-0.0018	12	-48 29 13.39	-0.013	12	0.72	41.389	45	02.2	12.76	45	02.2	F0	CZ	11622	P -48 5794
90	8.4E	8.5Z	41 54.399	-0.0032	12	-44 58 19.99	-0.019	12	0.73	54.557	45	01.3	19.04	45	01.3	A2	CZ	11623	P -44 6496
91	10.2E	9.0Z	42 17.822	-0.0137	12	-48 41 42.03	-0.042	12	0.72	18.475	45	02.2	40.02	45	02.2	K0	CZ	11624	P -48 5805
92	9.2E	9.0Z	42 19.318	0.0007	12	-42 9 23.10	0.003	12	0.65	19.282	28	00.2	23.27	26	00.2	A2	CZ	11629	P -41 6455
93	8.0E	8.5Z	42 19.391	-0.0014	12	-45 5 53.60	0.006	12	0.66	19.462	31	00.3	53.90	28	00.3	B5	CZ	11628	P -44 6501
94		6.9T	42 21.020	-0.0146	14	-48 32 30.86	0.018	11	0.67	21.732	18	01.2	31.86	21	95.6	F8	GC	18580	C -48 8458
95	10.0E	9.0Z	42 22.278	-0.0024	12	-48 48 25.70	-0.021	12	0.72	22.393	45	02.2	24.71	45	02.2	K0	CZ	11626	P -48 5807
96	9.1E	8.0Z	42 22.954	0.0001	12	-42 49 2.04	-0.035	12	0.67	22.947	28	98.7	0.23	26	98.7	K0	CZ	11630	P -42 6376
97	8.7E	8.5Z	42 23.166	-0.0141	12	-42 18 37.39	-0.049	12	0.75	23.878	45	99.4	34.93	45	99.4	G5	CZ	11632	P -41 6456
98	8.8E	8.5Z	42 23.484	-0.0005	12	-48 54 41.78	-0.017	12	0.72	23.507	45	02.2	40.98	45	02.2	A0	CZ	11627	P -48 5808
99		8.1T	42 23.623	-0.0032	22	-41 3 10.48	-0.038	20	1.01	23.773	18	03.1	8.65	18	02.1	K5	GC	18581	C -40 8130
00	9.6E	8.5Z	42 24.364	-0.0011	12	-44 9 16.34	-0.002	12	0.74	24.421	45	00.4	16.21	45	00.4	K2	CZ	11631	P -43 6275

224400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ".001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 13H DM NUMBER
1	9.9E	9.0Z	13 42 34.503	-0.0044	12	-48 49 57.32	-0.021	12	0.72	34.713	45	02.2	56.33	45	02.2	F5	CZ	11634	P -48 5810
2	10.0E	9.6Z	42 41.812	-0.0063	12	-42 39 35.31	-0.003	12	0.70	42.130	36	99.4	35.17	36	99.4	F8	CZ	11637	P -42 6377
3	9.9E	9.0Z	42 48.930	-0.0015	12	-49 24 37.77	-0.027	12	0.72	49.002	45	02.3	36.50	45	02.3	B9	CZ	11636	P -49 6344
4	9.8E	8.5Z	42 57.640	0.0036	12	-43 17 20.38	0.002	12	0.65	57.456	24	99.2	20.46	22	99.2	G0	CZ	11640	P -42 6379
5	9.4E	9.3Z	43 1.877	-0.0020	12	-43 0 4.49	-0.013	12	0.70	1.976	36	99.4	3.81	36	99.4	A0	CZ	11841	P -42 6380
6	9.8E	9.0Z	43 3.864	-0.0002	12	-44 55 8.86	-0.005	12	0.69	3.877	36	01.0	8.59	36	01.0	G0	CZ	11642	P -44 6508
7	10.0E	8.5Z	43 4.698	-0.0008	12	-43 21 18.00	-0.013	12	0.70	4.698	36	00.1	17.33	36	00.1	K0	CZ	11644	P -42 6382
8	9.5E	8.5Z	43 6.965	-0.0006	12	-47 4 31.32	-0.012	12	0.67	6.994	36	02.7	30.75	36	02.7	K2	CZ	11643	P -46 6487
9	7.9E	8.0Z	43 11.560	0.0005	12	-46 6 58.38	-0.002	12	0.64	11.535	28	01.1	58.29	26	01.1	A2	CZ	11646	P -45 6532
10	9.8E	8.0Z	43 12.165	-0.0017	12	-46 54 22.27	-0.008	12	0.64	12.247	28	01.7	21.89	26	01.7	MA	CZ	11645	P -46 6488
11	10.3E	9.0Z	43 17.991	-0.0087	12	-48 54 53.87	0.008	12	0.72	18.406	45	02.2	54.27	45	02.2	F8	CZ	11648	P -48 5817
12	10.2E	9.3Y	43 28.088	-0.0021	12	-48 23 40.41	-0.032	12	0.65	28.191	31	01.3	36.85	28	01.3	A5	CZ	11650	P -48 5821
13	9.5E	8.5Y	43 31.994	-0.0020	12	-45 29 44.27	-0.011	12	0.64	32.089	28	01.1	43.74	28	01.1	G0	CZ	11652	P -45 6535
14	9.1E	8.5Z	43 32.678	-0.0019	12	-49 48 31.21	-0.016	12	0.72	32.766	45	02.3	30.45	45	02.3	A0	CZ	11651	P -49 6357
15	9.1E	8.0Z	43 38.655	-0.0032	12	-42 0 43.79	-0.028	12	0.66	39.016	28	99.1	42.39	26	99.1	K0	CZ	11653	P -41 6465
16	8.6E	8.5Z	44 1.327	0.0001	12	-47 46 44.89	-0.049	12	0.65	1.323	31	01.3	42.50	28	01.3	A5	CZ	11656	P -47 6199
17	10.2E	9.8Z	44 6.031	-0.0008	12	-49 5 27.04	0.011	12	0.72	6.069	45	02.2	27.58	45	02.2	B9	CZ	11657	P -48 5825
18	9.9E	9.0Z	44 10.153	-0.0047	12	-41 11 34.26	-0.192	12	0.84	10.361	63	01.2	24.88	57	01.2	G5	CZ	11660	P -40 6290
19	10.0E	9.0Z	44 10.881	-0.0011	12	-41 3 59.10	-0.019	12	0.84	10.933	63	01.2	58.16	57	01.2	A0	CZ	11661	P -40 6291
20	9.5E	9.3Y	44 19.266	-0.0025	12	-44 30 26.50	-0.032	12	0.67	19.393	31	00.1	24.92	28	00.1	A2	CZ	11662	P -44 6520
21	9.7E	9.0Z	44 19.448	-0.0033	12	-41 20 6.23	-0.030	12	0.66	19.614	28	99.2	4.69	26	99.2	F5	CZ	11663	P -40 6293
22	9.7E	8.5Z	44 26.095	0.0001	12	-45 54 43.03	-0.023	12	0.72	26.090	45	02.4	41.84	45	02.4	A8	CZ	11668	P -45 6543
23	8.8E	9.0Z	44 28.570	-0.0017	12	-49 16 6.86	-0.019	12	0.72	28.651	45	02.3	5.98	45	02.3	A3	CZ	11665	P -48 5828
24	9.9E	10.0Z	44 28.692	-0.0022	12	-49 51 31.24	-0.022	12	0.72	28.795	45	02.3	30.19	45	02.3		CZ	11664	P -49 6365
25		7.6T	44 31.332	-0.0012	13	-49 52 33.44	-0.021	11	0.65	31.393	19	00.9	32.31	21	95.7	A0	GC	10628	C -49 8199
26	8.8E	8.6Z	44 33.813	0.0046	12	-42 49 52.63	-0.045	12	0.75	33.578	45	99.4	50.34	45	99.4	F8	CZ	11673	P -42 6395
27		8.9T	44 35.538	-0.0155	22	-45 48 52.92	0.039	22	1.04	36.240	21	04.6	54.69	21	04.6	G5	GC	10631	C -45 8701
28	9.8E	9.6Z	44 36.343	-0.0022	12	-49 31 35.65	-0.030	12	0.72	36.445	45	02.3	34.23	45	02.3	A2	CZ	11670	P -49 6371
29	10.0E	9.8Z	44 37.562	-0.0033	12	-49 18 14.24	-0.014	12	0.72	37.739	45	02.3	13.59	45	02.3	F0	CZ	11671	P -48 5830
30	8.8E	9.0Z	44 38.390	-0.0003	12	-41 26 33.45	-0.023	12	0.74	38.403	45	00.3	32.30	45	00.3	B9	CZ	11676	P -41 6470
31	9.8E	9.0Z	44 38.694	0.0004	12	-41 1 39.86	-0.065	12	0.84	38.674	63	01.2	36.69	57	01.2	A0	CZ	11677	P -40 6296
32	8.4E	8.0Z	44 39.140	-0.0032	12	-43 21 18.91	-0.029	12	0.74	39.297	45	00.4	17.46	45	00.4	K0	CZ	11675	P -42 6396
33	8.1E	8.0Z	44 44.273	-0.0030	12	-48 54 54.14	-0.029	12	0.72	44.416	45	02.2	52.77	45	02.2	A0	CZ	11674D	P+ -48 5833
34	8.8E	8.5Z	44 46.266	-0.0022	12	-47 9 21.63	-0.024	12	0.71	46.367	45	03.9	20.52	45	03.9	A0	CZ	11679	P -46 6495
35	10.3E	8.7Z	44 48.825	-0.0044	12	-49 54 39.13	-0.008	12	0.72	49.033	45	02.3	38.75	45	02.3	G0	CZ	11678	P -49 6375
36	9.5E	8.5Z	44 53.487	-0.0023	12	-47 55 22.13	-0.025	12	0.72	53.595	45	02.8	20.95	45	02.8	K5	CZ	11680	P -47 6203
37	9.4E	9.0Z	45 2.048	-0.0028	12	-41 44 41.79	-0.034	12	0.66	2.188	28	99.2	40.05	26	99.2	F8	CZ	11682	P -41 6472
38	10.1E	8.5Z	45 6.045	-0.0039	12	-42 28 21.18	-0.005	12	0.67	6.243	28	98.7	20.94	26	98.7	K0	CZ	11683	P -42 6398
39	10.3E	9.0Z	45 6.193	0.0015	12	-48 40 50.43	-0.016	12	0.72	6.120	45	02.2	49.66	45	02.2	K0	CZ	11681	P -48 5842
40	7.9E	8.5Z	45 11.604	-0.0017	12	-41 56 9.77	-0.016	12	0.74	11.690	45	00.3	8.96	45	00.3	A0	CZ	11685	P -41 6474
41	8.7E	8.5Z	45 11.677	-0.0026	12	-47 14 1.53	-0.025	12	0.65	11.801	31	02.1	0.33	28	02.1	A0	CZ	11684	P -46 6496
42	9.4E	9.0A	45 12.507	0.0006	12	-40 44 59.56	-0.030	12	0.68	12.474	31	99.1	58.02	28	99.1	A0	CZ	11687	P -40 6299
43	9.6E	9.5Z	45 17.642	-0.0021	12	-46 33 38.17	-0.021	12	0.71	17.738	45	03.9	37.20	45	03.9	A0	CZ	11686	P -46 6497
44	c.	7.7Z	45 21.705	-0.0023	12	-43 14 17.90	-0.025	12	0.75	21.819	45	99.4	16.61	45	99.4	K2	CZ	11691	P -42 6400
45	8.5	7.5Z	45 21.754	0.0005	12	-47 46 19.31	-0.018	12	0.72	21.731	45	02.8	18.45	45	02.8	K0	CZ	11688	P -47 6209
46	9.9E	8.5A	45 28.214	-0.0026	12	-48 2 8.99	-0.022	12	0.65	28.340	31	01.3	7.92	28	01.3	K2	CZ	11690	P -47 6206
47	10.9E	9.5Z	45 27.232	-0.0036	12	-42 54 5.26	-0.018	12	0.75	27.412	45	99.4	4.33	45	99.4	K0	CZ	11693	P -42 6402
48	10.3E	9.0Z	45 28.498	-0.0030	12	-42 54 8.27	-0.025	12	0.75	28.647	45	99.4	6.99	45	99.4	K0	CZ	11694	P -42 6402
49		7.3T	45 33.958	-0.0070	18	-46 43 30.21	-0.017	13	0.77	34.272	24	05.3	29.40	24	02.7	K0	GC	10642	C -46 8870
50		7.8T	45 46.979	-0.0037	16	-46 30 48.04	0.015	11	0.70	47.160	17	01.7	48.82	17	98.3	K0	GC	10649	C -46 8871
51	10.1E	9.0Z	13 46 0.631	-0.0020	12	-42 45 34.56	-0.021	12	0.67	0.731	28	98.7	33.46	26	98.7	K0	CZ	11702	P -42 6406
52	9.8E	9.8Z	46 1.519	-0.0009	12	-43 40 53.56	-0.020	12	0.74	1.561	45	00.4	52.54	45	00.4	A0	CZ	11701	P -43 6290
53	9.6E	8.7Z	46 2.675	-0.0006	12	-49 7 58.09	-0.011	12	0.72	2.704	45	02.2	57.58	45	02.2	K0	CZ	11700	P -48 5852
54		8.7T	46 3.742	-0.0045	22	-43 29 7.35	-0.063	22	1.06	3.949	19	03.6	4.41	19	03.6	G5	GC	10655	C -43 8559
55	9.6E	9.0Z	46 5.493	-0.0010	12	-43 54 3.13	-0.012	12	0.66	5.545	28	99.4	2.55	26	99.4	G5	CZ	11704	P -43 6292
56	10.1E	8.5Z	46 9.378	-0.0203	12	-40 37 53.07	0.033	12	0.84	10.366	63	01.2	54.67	57	01.2	G5	CZ	11706	P -40 6305
57	9.3E	8.8Z	46 15.506	0.0008	12	-49 4 54.72	-0.032	12	0.65	15.467	31	01.3	53.18	28	01.3	F2	CZ	11705	P -48 5854
58		7.1T	46 17.278	-0.0088	10	-40 16 6.41	-0.007	07	0.41	17.651	15	07.6	6.08	14	03.5	F0	GC	10660	C -39 8490
59	10.2E	9.7Z	46 19.048	-0.0015	12	-48 33 2.90	-0.016	12	0.72	19.119	45	02.2	2.13	45	02.2		CZ	11707	P -48 5855
60	9.9E	9.3A	46 20.075	0.0012	12	-44 49 18.56	-0.021	12	0.67	20.018	31	00.1	17.49	28	00.1	G0	CZ	11709	P -44 6534
61	9.3E	9.0Z	46 21.412	0.0007	12	-47 36 5.07	-0.012	12	0.72	21.379	45	02.8	4.51	45	02.8	A0	CZ	11708	P -47 6211
62	10.0E	10.0Z	46 21.917	-0.0007	12	-43 58 53.48	-0.019	12	0.74	21.953	45	00.4	52.51	45	00.4		CZ	11711	P -43 6295
63		7.2T	46 22.773	0.0002	15	-40 16 1.23	0.011	11	0.69	22.764	22	02.7	1.81	21	96.8	K5	GC	10661	C -39 8491
64	8.2E	8.5Z	46 22.807	0.0004	12	-43 57 47.41	-0.002	12	0.74	22.789	45	00.4	47.29	45	00.4	A0	CZ	11712	P -43 6296
65	10.9E	10.0Z	46 23.556	0.0007	12	-43 57 59.94	-0.006	12	0.74	23.525	45	00.4	59.66	45	00.4	A0	CZ	11713	P -43 6296
66	10.3E	9.4A	46 25.937	-0.0022	12	-45 33 23.39	-0.026	12	0.65	26.042	31	01.1	22.12	28	01.1		CZ	11716	P -45 6557
67	9.8E	9.0Z	46 26.647	0.0041	12	-47 7 19.43	-0.011	12	0.71	26.458	45	03.9	18.93	45	03.9	F8	CZ	11714	P -46 6506
68	9.1E	8.5Z	46 27.555	0.0044	12	-47 7 17.40	-0.013	12	0.71	27.352	45	03.9	16.80	45	03.9	F8	CZ	11715	P -46 6506
69		3.5T	46 29.738	-0.0021	05	-41 26 21.60	-0.025	04	0.23	29.840	09	01.2	20.26	07	96.7	B2	GC	10665	C+ -41 8171
70	9.7E	9.3Z	46 33.030	0.0031	12	-46 42 6.99	-0.017	12	0.71	32.886	45	03.9	6.20	45	03.9	G0	CZ	11718	P -46 6509
71		3.3H	46 35.658	-0.0020	03	-42 13 31.64	-0.026	02	0.10	35.722	05	17.7	30.79	05	17.7	B2P	F4	508	C -41 8172
72		8.3T	46 44.425	-0.0048	20	-49 59 30.13	-0.030	16	0.87	44.645	21	03.7	28.69	19	01.5	F0	GC	10669	C -49 8223
73	9.3E	8.4Z	46 54.391	-0.0018	12	-49 53 57.15	-0.017	12	0.72	54.475	45	02.3	56.35	45	02.3	G5	CZ	11724	P -49 6304
74	9.0E	9.0Z	46 58.610	-0.0022	12	-48 15 38.44	-0.031	12	0.72	58.715	45	02.2	36.96	45	02.2	B9	CZ	11725	P -47 6218
75	9.0E	9.5Z	47 2.516	-0.0016	12	-43 21 17.19	-0.020	12	0.74	2.594	45	00.4	16.18	45	00.4	A2	CZ	11727	P -42 6412
76	8.9E	9.0Z	47 3.884	-0.0046	12	-44 36 9.36	-0.088	12	0.73	4.092	45	00.9	5.06	45	00.9	G5	CZ	11729	P -44 6540
77		8.0T	47 12.207	0.0012	16	-48 1 34.48	-0.030	17	0.78	12.153	24	04.1	33.12	24	04.9	G5	GC	10679	C -47 8649
78	10.9E	9.5A	47 31.043	-0.0038	12	-49 16 20.14	-0.015	12	0.65	31.225	31	02.0	19.44	28	02.0		CZ	11732	P -48 5871
79	8.7E	9.0Z	47 35.367	-0.0005	12	-40 45 39.15	-0.021	12	0.84	35.369	63	01.2	38.11	57	01.2	A5	CZ	11733	P -40 6312
80	9.2E	9.0Z	47 42.209	-0.0011	12	-44 47 32.30	-0.029	12	0.65	42.261	28	00.2	30.83	26	00.2	K2	CZ	11734	P -44 6542
81	9.1E	8.9Z	48 7.736	-0.0070	12	-48 10 11.03	-0.019	12	0.64	8.075	28	01.6	10.11	26	01.6	K0	CZ	11739	P -47 6222
82	9.2E	9.8Z	48 21.162	-0.0003	12	-47 58 42.69	-0.011	12	0.67	21.176	36	02.6	42.17	36	02.6	F8	CZ	11741	P -47 6224
83	9.4E	9.5Z	48 23.413	-0.0013	12	-41 41 16.34	-0.026	12	0.69	23.473	36	00.8	15.08	36	00.8	A2	CZ	11743	P -44 6547
84	9.7E	9.0Z	48 23.646	0.0008	12	-41 34 11.55	-0.008	12	0.64	23.805	28	01.1	11.15	26	01.1	F8	CZ	11745	P -41 6491
85		7.4T	48 24.599	-0.0126	13	-48 2 44.47	-0.021	11	0.67	25.235	22	99.6	43.32	19	95.3	G0	GC	10709K	C -47 8662
86		7.7T	48 28.820	-0.0135	14	-48 3 4.87	-0.023	12	0.70	27.478	22	01.3	3.62	19	96.2	F8	GC	10711K	C -47 8664
87	9.5E	10.0Z	48 27.254	-0.0038	12	-44 49 44.31	-0.025	12	0.69	27.433	36	00.8	43.06	36	00.8	A5	CZ	11746	P -44 6548
88	9.2E	8.5Z	48 37.998	0.0000	12	-46 52 1.87	-0.026	12	0.66	37.995	36	03.3	0.86	36	03.3	K0	CZ	11747	P -46 6528
89		5.9T	48 40.628	-0.0018	07	-46 39 6.51	-0.034	05	0.28	40.699	10	11.2	5.03	10	06.5	B3	GC	10715	C+ -46 8909
90	10.2E	8.8Z	48 43.795	-0.0014	12	-48 34 14.84	-0.025	12	0.67	43.861	36	02.2	13.64	36	02.2	K0	CZ	11749	P -48 5862
91	9.6E	9.5Z	48 44.015	0.0002	12	-44 46 59.68	-0.011	12	0.74	44.007	45	00.5	59.11	45	00.5		CZ	11750	P -44 6550
92	9.0E	9.0Z	48 46.037	0.0000	12	-40 45 11.02	-0.039	12	0.84	46.035	63	01.2	9.11	57	01.2	A5	CZ	11752	P -40 6319
93	9.9E	8.5Z	48 52.084	-0.0059	12	-48 34 33.42	-0.034	12	0.64	52.379	28	01.5	31.76	26	01.5	K2	CZ	11751	P -48 5884
94	9.6E	8.6A	48 53.372	-0.0028	12	-45 56 8.98	-0.035	12	0.66	53.511	31	00.3	7.24	28	00.3	K5	CZ	11755	P -45 6575
95	9.4E	9.1H	48 53.864	0.0004	12	-40 28 34.49	-0.030	12	0.67	53.842	31	99.2	32.96	28	99.2	G5	CZ	11756	P -40 6321
96	9.2E	9.5Z	48 54.343	-0.0008	12	-47 37 30.27	-0.028	12	0.67	54.380	36	02.6	28.94	36	02.6		CZ	11753	P -47 6233
97		7.1T	48 55.057	-0.0012	10	-47 37 8.53	-0.042	08	0.41	55.108	15	08.0	6.61	14	04.3	G0	GC	10723K	C -47 8670
98	9.0E	8.5Z	49 5.432	-0.0020	12	-47 2 24.78	-0.030	12	0.72	5.526	45	02.8	23.36	45	02.8	A2	CZ	11759	P -46 6535
99	10.3E	9.4A	49 6.084	-0.0029	12	-49 37 42.70	-0.016	12	0.65	6.201	31	02.0	41.94	28	02.0	A3	CZ	11758	P -49 6418
00	9.9E	8.5Z	49 6.868	-0.0008	12	-41 12 45.48	-0.009	12	0.84	6.896	63	01.2	45.03	57	01.2	K5	CZ	11763	P -40 6324

224500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.4E	9.2Z	13 49 15.627	0.0000	12	-42 6 43.02	-0.023	12	0.71	15.626	45	03.2	41.96	45	03.2	A0	CZ	11764	P -41 6498
2	9.1E	8.5Z	49 17.647	0.0015	12	-42 22 15.21	-0.041	12	0.65	17.571	28	00.5	13.20	26	00.5	F8	CZ	11765	P -41 6499
3			49 21.996	-0.0016	10	-40 8 32.52	-0.070	10	0.29	22.019	28	35.5	31.50	22	35.5		CB	6670	C -39 8526
4	9.5E	9.5Z	49 26.704	-0.0035	12	-45 36 31.69	-0.005	12	0.66	26.875	31	00.3	31.44	28	00.3	A5	CZ	11767D	P*-45 6579
5		7.4T	49 46.064	-0.0072	13	-42 14 10.98	-0.080	12	0.68	46.438	18	97.9	6.65	17	95.7	K0	GC	18745	C -41 8220
6	9.8E	9.5Z	49 50.730	-0.0028	12	-43 37 32.28	-0.037	12	0.66	50.871	28	99.1	30.38	26	99.1	F8	CZ	11772	P -43 6317
7	10.1E	9.5Z	50 2.871	0.0011	12	-42 44 10.34	-0.011	12	0.65	2.815	28	00.7	9.81	28	00.7	F0	CZ	11773	P -42 6433
8	9.8E	9.5Z	50 3.874	-0.0180	12	-47 54 50.49	-0.098	12	0.72	10.722	45	02.9	45.86	45	02.9	G0	CZ	11774	P -47 6240
9		9.4T	50 21.620	0.0031	20	-45 23 11.10	-0.025	20	0.91	21.483	24	05.5	9.97	24	05.1	K0	GC	18756	C*-45 8782
10	10.4E	9.5*	50 26.520	-0.0024	12	-44 6 42.40	-0.023	12	0.66	28.644	28	99.1	41.25	26	99.1		CZ	11778	P -43 6322
11		8.0T	50 30.617	0.0020	16	-41 23 18.15	-0.021	13	0.76	30.518	18	00.7	17.05	17	97.9	A5	GC	18758	C -41 8231
12	9.8E	9.0Z	50 36.140	-0.0035	12	-44 35 8.68	-0.022	12	0.67	36.318	31	99.7	7.60	28	99.7	M0	CZ	11781	P -44 6563
13	8.9E	8.5Z	50 38.152	-0.0028	12	-48 48 19.62	-0.039	12	0.72	38.285	45	02.3	17.78	45	02.3	K0	CZ	11779	P -48 5911
14		5.9T	50 49.586	-0.0037	12	-46 52 56.55	-0.004	09	0.58	49.775	17	99.5	56.32	17	91.9	B3P	GC	18765K	C*-46 8931
15	9.4E	9.1*	50 53.527	-0.0484	12	-46 17 35.89	-0.000	12	0.65	55.882	31	01.3	35.89	28	01.3	G0	CZ	11788	P -45 6592
16	9.9E	9.5Z	50 55.828	-0.0013	12	-48 11 31.64	-0.010	12	0.72	55.889	45	02.9	31.16	45	02.9	A0	CZ	11786	P -47 6245
17	9.0E	8.7Z	51 0.795	0.0010	12	-43 41 28.42	-0.053	12	0.74	0.744	45	99.9	25.75	45	99.9	F8	CZ	11790	P -43 6324
18	9.2E	9.0Z	51 4.695	-0.0039	12	-49 57 39.93	-0.028	12	0.67	4.876	36	03.0	38.62	36	03.0	G0	CZ	11789	P -49 6454
19		7.3T	51 10.641	-0.0067	17	-48 26 49.44	-0.022	13	0.77	10.965	19	01.7	48.30	18	98.2	A2	GC	18775	C -48 8578
20	10.1E	9.0Z	51 18.631	0.0093	12	-47 54 48.75	-0.058	12	0.72	18.193	45	02.9	46.01	45	02.9		CZ	11794	P -47 6248
21	10.1E	9.0Z	51 20.634	-0.0035	12	-47 50 33.64	-0.030	12	0.72	20.798	45	02.9	52.22	45	02.9	F5	CZ	11797	P -47 6250
22	10.0E	9.2Z	51 22.213	-0.0001	12	-41 27 56.53	-0.017	12	0.71	22.216	45	03.2	55.73	45	03.2	F8	CZ	11802	P -41 6522
23	9.5E	9.0Z	51 22.302	-0.0037	12	-49 55 9.57	-0.018	12	0.71	22.472	45	03.3	8.73	45	03.3	F5	CZ	11796	P -49 6461
24	8.6E	8.5Z	51 26.315	-0.0053	12	-49 3 51.63	-0.018	12	0.65	26.573	31	01.3	50.77	28	01.3	F5	CZ	11799	P -48 5923
25	8.7E	8.5*	51 32.327	-0.0022	12	-45 8 57.65	-0.014	12	0.67	32.439	31	99.8	56.95	28	99.8	A2	CZ	11805	P -44 6568
26		7.4T	51 33.345	-0.0105	14	-47 53 21.61	-0.034	10	0.66	33.868	19	00.3	19.75	18	95.7	F0	GC	18786	C -47 8714
27	9.9E	9.7Z	51 33.371	-0.0018	12	-49 36 37.54	-0.013	12	0.71	33.453	45	03.3	36.95	45	03.3	A0	CZ	11803	P -49 6463
28	9.1E	9.0Z	51 35.203	-0.0019	12	-47 25 36.79	-0.006	12	0.65	35.296	31	01.4	36.50	28	01.4	B9	CZ	11806	P -47 6255
29	8.6E	8.5Z	51 45.859	0.0025	12	-42 10 13.75	-0.041	12	0.63	45.736	26	01.0	11.76	24	01.0	F2	CZ	11808	P -41 6523
30	9.4E	9.0Z	51 50.671	-0.0032	12	-45 39 17.49	-0.005	12	0.66	50.827	31	00.3	17.24	28	00.3	G5	CZ	11810	P -45 6597
31	8.7E	8.5Z	51 58.557	-0.0004	12	-42 19 57.41	-0.021	12	0.72	58.575	45	02.3	56.43	45	02.3	F5	CZ	11812D	P*-41 6524
32	10.1E	9.5Z	51 58.718	0.0001	12	-42 19 43.67	-0.018	12	0.72	58.712	45	02.3	42.82	45	02.3	F5	CZ	11813	P -41 6524
33	9.6E	9.0Z	52 2.989	0.0003	12	-44 14 8.67	-0.030	12	0.74	2.976	45	99.9	7.19	45	99.9	F5	CZ	11815	P -43 6331
34		7.7T	52 5.606	-0.0051	16	-46 50 49.40	-0.030	12	0.72	5.850	19	02.5	47.87	22	99.1	A0	GC	18798	C -46 8944
35	9.6E	9.2Z	52 10.978	-0.0025	12	-46 25 25.70	-0.022	12	0.72	11.096	45	02.8	24.66	45	02.8	B9	CZ	11818	P -46 6557
36	9.3E	9.0*	52 13.443	-0.0025	12	-49 26 9.38	-0.027	12	0.65	13.563	31	02.0	8.10	28	02.0	A0	CZ	11817	P -49 6474
37	9.8E	9.3*	52 21.304	-0.0016	12	-43 35 39.07	-0.012	12	0.67	21.384	28	98.9	38.44	26	98.9	F0	CZ	11821	P -43 6332
38		3.1H	52 24.510	-0.0056	02	-47 2 34.87	-0.044	02	0.09	24.719	05	13.0	33.31	05	14.4	B2P	F4	512	C -46 8949
39	7.7E	8.5Z	52 26.247	-0.0021	12	-49 7 6.74	-0.018	12	0.72	26.346	45	02.3	5.86	45	02.3	A0	CZ	11819	P -48 5931
40	9.5E	9.0Z	52 26.386	0.0006	12	-47 11 29.02	-0.039	12	0.67	26.358	36	02.7	27.17	36	02.7	F0	CZ	11823	P -46 6561
41	9.1E	9.0Z	52 26.423	-0.0013	12	-47 44 20.73	-0.014	12	0.67	26.484	36	02.7	20.07	36	02.7	B9	CZ	11822	P -47 6265
42	8.6E	8.5Z	52 26.802	-0.0027	12	-44 20 31.06	-0.004	12	0.74	26.938	45	00.5	30.88	45	00.5	G0	CZ	11825	P -43 6333
43	8.4E	8.0Z	52 32.234	0.0004	12	-42 22 48.96	-0.008	12	0.72	32.214	45	02.3	48.59	45	02.3	K2	CZ	11829	P -42 6450
44	9.8E	9.2Z	52 32.255	0.0004	12	-42 52 51.10	-0.009	12	0.72	32.234	45	02.3	50.65	45	02.3	A2	CZ	11828	P -42 6449
45	8.8E	9.0Z	52 32.936	-0.0021	12	-47 37 15.86	-0.017	12	0.67	33.035	36	02.7	15.05	36	02.7	B8	CZ	11826	P -47 6268
46	10.0E	9.2Z	52 34.784	-0.0017	12	-42 41 32.73	-0.026	12	0.72	34.864	45	02.3	31.51	45	02.3	K0	CZ	11830	P -42 6451
47	8.4E	8.0Z	52 36.581	-0.0019	12	-44 24 16.89	-0.028	12	0.68	36.675	36	01.5	15.55	36	01.5	A2	CZ	11831	P -44 6572
48		6.7T	52 41.761	0.0000	09	-41 45 2.11	-0.033	08	0.41	41.760	15	06.6	0.62	14	04.3	K5	GC	18813	C -41 8281
49	10.1E	9.7Z	52 44.520	-0.0032	12	-49 52 42.76	-0.013	12	0.71	44.668	45	03.3	42.16	45	03.3		CZ	11832	P -49 6481
50		8.1T	52 49.153	-0.0014	15	-42 57 15.62	-0.037	11	0.70	49.220	17	00.7	13.63	18	96.6	A2	GC	18817	C -42 8860
51		9.5T	13 52 49.809	-0.0015	13	-40 36 40.15	-0.029	12	0.65	49.884	18	00.1	38.66	18	99.0	F0	GC	18818	C -40 8266
52	10.2E	9.4Z	52 52.837	0.0019	12	-49 5 13.13	-0.006	12	0.72	52.747	45	02.3	12.86	45	02.3	G5	CZ	11835	P -48 5940
53		7.5T	52 56.232	0.0047	16	-48 38 47.51	-0.022	11	0.72	56.011	22	02.9	46.36	21	96.7	K0	GC	18820	C -48 8601
54	7.6E	8.5Z	53 2.387	-0.0025	12	-42 9 36.38	-0.014	12	0.65	2.513	28	00.4	35.66	26	00.4	A2	CZ	11841	P -41 6540
55		5.9T	53 12.772	-0.0159	15	-46 20 49.84	-0.079	12	0.72	13.566	19	99.9	45.69	18	97.5	K0	GC	18826	C -45 8815
56	9.9E	9.7Z	53 21.454	-0.0007	12	-47 25 59.06	-0.014	12	0.67	21.488	36	02.7	58.40	36	02.7	A3	CZ	11843	P -47 6272
57	8.9E	8.5Z	53 35.542	-0.0008	12	-48 7 55.52	-0.001	12	0.67	35.580	36	02.7	55.47	36	02.7	F5	CZ	11844	P -47 6273
58	9.1E	8.0Z	53 38.339	-0.0013	12	-49 43 25.02	-0.041	12	0.71	38.397	45	03.3	23.12	45	03.3	K2	CZ	11845	P -49 6489
59	8.4E	8.5Z	53 40.552	-0.0003	12	-48 52 6.22	-0.021	12	0.72	40.566	45	02.3	5.23	45	02.3	F8	CZ	11846D	P*-48 5956
60		7.0T	53 40.574	-0.0020	20	-46 8 31.20	-0.009	16	0.86	40.663	24	04.5	30.77	22	01.8	B5	GC	18834	C -45 8822
61	10.0E	9.5Z	53 41.367	-0.0044	12	-43 25 3.74	-0.026	12	0.66	41.588	28	99.4	2.41	26	99.4	G0	CZ	11849	P -43 6341
62	8.9E	8.5Z	53 46.276	-0.0008	12	-42 20 24.21	-0.031	12	0.72	46.312	45	02.9	22.77	45	02.9	K0	CZ	11852	P -41 6547
63	9.3E	9.0Z	53 47.069	-0.0015	12	-40 36 46.50	-0.017	12	0.86	47.164	63	98.3	45.62	57	98.3	A5	CZ	11853	P -40 6359
64	9.7E	8.5Z	53 49.132	-0.0041	12	-47 10 44.61	-0.012	12	0.67	49.326	36	02.7	44.05	36	02.7	K0	CZ	11850	P -46 6572
65	10.1E	9.0Z	53 53.075	0.0061	12	-49 0 7.55	-0.041	12	0.72	52.784	45	02.3	5.62	45	02.3	G5	CZ	11851	P -48 5962
66	9.1E	8.0Z	53 55.472	-0.0086	12	-47 5 49.60	-0.027	12	0.67	55.880	36	02.7	48.32	36	02.7	K0	CZ	11854	P -46 6573
67	9.3E	8.5Z	53 55.877	-0.0024	12	-41 38 48.98	-0.013	12	0.65	55.995	28	00.2	48.32	26	00.2	K0	CZ	11855	P -41 6551
68		9.6T	54 29.762	0.0027	14	-40 58 40.29	-0.026	12	0.67	29.635	24	03.0	39.00	24	00.7	G5	GC	18854	C -40 8289
69	10.2E	8.7Z	54 32.502	-0.0008	12	-48 39 43.75	-0.015	12	0.72	32.539	45	02.3	43.03	45	02.3	K0	GC	11858	P -48 5971
70		7.5T	54 32.884	-0.0016	16	-46 45 56.67	-0.026	13	0.75	32.964	17	01.1	55.32	18	97.8	A0	GC	18856	C -46 8973
71	8.6E	9.0Z	54 34.236	-0.0062	12	-45 9 35.63	-0.091	12	0.66	34.542	31	00.8	31.16	28	00.8	F8	CZ	11861	P -44 6587
72		7.3T	54 37.373	0.0061	16	-48 46 30.81	-0.006	15	0.81	37.085	22	02.8	30.51	21	96.2	K0	GC	18858	C -48 8630
73	9.9E	8.7Z	54 42.909	-0.0115	12	-48 28 31.39	-0.028	12	0.72	43.458	45	02.3	30.05	45	02.3	G5	CZ	11863	P -48 5976
74	8.9E	8.5Z	54 43.283	-0.0017	12	-48 50 17.34	-0.010	12	0.72	43.364	45	02.3	16.87	45	02.3	A0	CZ	11862	P -48 5975
75	9.9E	9.3*	54 47.577	-0.0023	12	-47 56 33.08	-0.018	12	0.65	47.690	31	01.0	32.20	28	01.0	A5	CZ	11864	P -47 6285
76	8.8E	9.0Z	54 56.592	-0.0028	12	-40 41 34.51	-0.017	12	0.86	56.735	63	98.3	33.63	57	98.3	A0	CZ	11868	P -40 6373
77		4.0T	55 13.278	-0.0023	04	-41 51 26.57	-0.025	04	0.23	13.387	09	02.1	25.33	09	99.7	B3	GC	18874	C*-41 8329
78	10.0E	8.5Z	55 15.855	-0.0012	12	-43 1 25.34	-0.025	12	0.72	15.909	45	02.9	24.15	45	02.9	K0	CZ	11874	P -42 6468
79	8.8E	8.5Z	55 16.487	-0.0098	12	-46 24 26.73	-0.086	12	0.65	16.919	31	01.0	22.52	28	01.0	F2	CZ	11872	P -46 6582
80	9.7E	9.7Z	55 17.312	-0.0020	12	-48 37 51.04	-0.018	12	0.72	17.406	45	02.3	50.18	45	02.3	A0	CZ	11870	P -48 5982
81		7.4T	55 17.890	-0.0099	13	-48 13 16.37	-0.068	09	0.62	18.382	22	00.4	12.61	18	94.9	F5	GC	18876	C -47 8772
82	10.1E	8.5Z	55 20.601	-0.0033	12	-46 3 53.98	-0.029	12	0.65	20.762	31	01.3	52.57	28	01.3	K2	CZ	11875	P -45 6633
83	9.5E	9.5Z	55 24.490	-0.0035	12	-44 32 48.34	-0.045	12	0.73	24.660	45	02.0	46.19	45	02.0		CZ	11876	P -44 6594
84		10.0T	55 25.786	-0.0036	14	-41 9 9.56	-0.020	12	0.67	25.955	24	03.0	8.56	24	00.7	A2	GC	18879	C -40 8299
85		4.2T	55 34.794	-0.0024	04	-44 33 37.41	-0.024	04	0.18	34.891	06	09.8	36.29	07	04.2	B3	GC	18883	C*-44 9010
86	9.6E	9.5Z	55 36.007	-0.0021	12	-42 45 22.85	-0.021	12	0.72	36.104	45	02.9	21.84	45	02.9	A5	CZ	11878	P -42 6470
87	8.9E	8.0Z	55 42.509	-0.0011	12	-47 33 51.58	-0.030	12	0.72	42.560	45	02.3	50.15	45	02.3	MA	CZ	11879	P -47 6296
88	9.6E	9.5Z	55 45.748	-0.0013	12	-45 4 18.22	-0.005	12	0.73	45.810	45	02.0	17.99	45	02.0	B9	CZ	11882	P -44 6596
89	9.6E	9.5Z	55 46.123	-0.0010	12	-47 18 13.26	-0.013	12	0.65	46.172	31	01.0	12.63	28	01.0	A3	CZ	11881	P -46 6586
90	8.4E	8.5Z	55 49.415	-0.0018	12	-42 27 38.38	-0.024	12	0.65	49.502	28	00.9	37.22	26	00.9	A0	CZ	11885	P -42 6472
91	9.3E	9.4Z	55 52.684	-0.0006	12	-45 48 7.30	-0.016	12	0.72	52.712	45	02.8	6.55	45	02.8	A0	CZ	11884	P -45 6638
92		7.6T	56 2.948	-0.0046	15	-45 13 32.28	-0.088	13	0.73	3.174	19	01.0	27.73	18	98.3	F5	GC	18894	C*-44 9013
93	10.3E	9.6H	56 8.812	-0.0008	12	-40 28 43.25	-0.025	12	0.69	8.852	31	97.4	41.92	28	97.4	K2	CZ	11891	P -40 6382
94	9.1E	8.5Z	56 19.216	-0.0024	12	-40 38 31.79	-0.016	12	0.86	19.337	63	98.3	30.96	57	98.3	K5	CZ	11893	P -40 6385
95	8.6E	8.5Z	56 23.228	-0.0029	12	-48 46 30.27	-0.016	12	0.65	23.369	31	01.3	29.51	28	01.3	B9	CZ	11892	P -48 5998
96		8.2T	56 23.453	-0.0035	16	-43 27 38.13	-0.020	13	0.76	23.627	15	99.9	37.06	17	97.3	K0	GC	18903	C -43 8700
97	9.8E	9.0Z	56 24.659	-0.0019	12	-44 2 35.37	-0.014	12	0.74	24.754	45	00.5	34.70	45	00.5	F2	CZ	11895	P -43 6355
98	10.0E	9.2Z	56 25.004	-0.0034	12	-42 30 41.79	-0.022	12	0.72	25.163	45	02.9	40.78	45	02.9	F5	CZ	11897	P -42 6481
99	8.8E	7.5Z	56 32.779	0.0010	12	-49 59 6.03	-0.114	12	0.71	32.730	45	03.3	0.71	45	03.3	K0	CZ	11896	P -49 6545
00	10.0E	9.0Z	56 32.860	-0.0004	12	-48 50 26.10	-0.024	12	0.72	32.879	45	02.3	24.97	45	02.3	F8	CZ	11898	P -48 6001

224600

-40° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.7E	9.7Z	13 56 50.206	-0.0009	12	-46 59 2.92	-0.011	12	0.65	50.251	31	00.9	2.38	28	00.9	B9	CZ	11898	P -46 6590
2	10.0E	9.0Z	56 51.237	-0.0042	12	-43 5 7.48	-0.017	12	0.65	51.442	28	00.7	6.62	26	00.7	F5	CZ	11901	P -42 6483
3	10.1E	9.9*	56 51.367	-0.0011	12	-41 10 52.57	-0.014	12	0.69	51.423	31	97.7	51.83	28	97.7	A0	CZ	11903	P -40 6387
4	9.7E	8.9Z	57 0.808	-0.0028	12	-49 58 49.35	-0.022	12	0.67	0.938	36	03.0	48.32	36	03.0	K0	CZ	11902	P -49 6547
5	9.1E	8.9Z	57 8.053	-0.0012	12	-43 58 47.89	-0.015	12	0.74	8.113	45	00.5	47.17	45	00.5	K0	CZ	11904	P -43 6560
6		6.8T	57 10.856	-0.0027	10	-45 53 8.21	-0.010	08	0.42	10.965	15	09.0	7.75	15	04.7	A2	GC	10017	C -45 8869
7	10.0E	9.0Z	57 11.002	-0.0011	12	-46 24 15.05	-0.011	12	0.72	11.055	45	02.2	14.52	45	02.2	A	CZ	11905	P -46 6593
8	9.5E	9.0*	57 15.132	-0.0010	12	-47 41 10.71	-0.012	12	0.64	15.180	28	01.3	10.12	28	01.3	B9	CZ	11907	P -47 6307
9	10.1E	8.7Z	57 20.945	-0.0023	12	-40 51 58.50	-0.035	12	0.86	21.082	63	98.3	58.68	57	98.3	K2	CZ	11908	P -40 6390
10	9.8E	9.0Z	57 29.252	0.0012	12	-45 32 2.52	0.003	12	0.67	29.193	36	02.6	2.67	36	02.6	K0	CZ	11909	P -45 6652
11	9.4	9.0W	57 31.734	-0.0004	13	-40 5 34.23	-0.057	13	0.28	31.739	15	35.5	33.40	21	35.5	G0	G9	6740	C -39 8820
12	9.8E	8.9Z	57 34.121	-0.0039	12	-49 1 59.37	-0.016	12	0.67	34.307	36	02.3	58.62	36	02.3	K2	CZ	11910	P -48 6017
13	9.4E	8.9Z	57 37.628	-0.0018	12	-40 56 37.95	-0.057	12	0.86	37.719	63	98.3	35.00	57	98.3	G5	CZ	11912	P -40 6301
14	8.7E	7.9Z	57 38.369	-0.0025	12	-41 38 2.38	-0.014	12	0.65	38.512	28	00.3	1.68	26	00.3	MA	CZ	11913	P -41 6569
15	8.1E	8.2Z	57 39.478	-0.0038	12	-49 17 4.14	-0.027	12	0.65	39.663	31	01.3	2.84	28	01.3	F0	CZ	11911	P -48 6020
16	9.4E	9.0Z	57 45.902	-0.0012	12	-42 6 25.31	0.000	12	0.65	45.960	28	00.6	25.35	28	00.6	A5	CZ	11915	P -41 6581
17	10.1E	9.0Z	57 49.317	-0.0026	12	-49 53 3.95	-0.013	12	0.65	49.442	31	01.3	3.32	28	01.3	A2	CZ	11914	P -49 6562
18		6.9T	58 2.843	-0.0048	10	-43 57 20.74	-0.040	08	0.42	3.046	15	07.8	18.94	15	04.5	A3	GC	10030	C -43 8723
19	8.4E	8.5Z	58 3.869	-0.0013	12	-48 20 44.92	-0.018	12	0.64	3.932	28	01.6	44.05	28	01.6	B8	CZ	11919	P -47 6310
20	9.8E	9.5Z	58 19.231	-0.0026	12	-48 28 12.87	-0.018	12	0.67	19.355	36	02.3	12.01	36	02.3	A0	CZ	11921	P -48 6036
21		4.4T	58 35.630	0.0001	06	-45 21 43.76	-0.023	04	0.28	35.626	12	05.3	42.53	12	98.5	F5	GC	10039	C -44 9040
22	9.8E	9.5Z	58 48.527	0.0006	12	-44 47 44.64	-0.008	12	0.65	48.501	31	01.7	44.23	28	01.7	A3	CZ	11924	P -44 6616
23	9.8E	9.0Z	58 51.555	-0.0062	12	-49 27 36.16	-0.027	12	0.72	51.852	45	02.3	34.89	45	02.3	F0	CZ	11923	P -49 6580
24	9.8E	9.5Z	58 52.591	-0.0026	12	-47 6 51.38	-0.009	12	0.67	52.715	36	02.2	50.95	36	02.2	A3	CZ	11925	P -46 6602
25	9.8E	9.5Z	58 53.014	-0.0017	12	-43 10 21.68	-0.007	12	0.73	53.096	45	00.9	21.32	45	00.9	A0	CZ	11926	P -42 6500
26	9.7E	8.5Z	59 15.515	0.0009	12	-41 58 5.39	-0.029	12	0.75	15.467	45	99.8	3.95	45	99.8	G5	CZ	11928	P -41 6606
27		6.0T	59 23.531	-0.0051	16	-45 36 41.06	-0.024	11	0.72	23.771	22	02.6	39.80	21	97.3	K5	GC	10051	C -45 8894
28	9.0E	8.5Z	59 27.482	-0.0026	12	-40 34 29.37	-0.011	12	0.86	27.614	63	98.3	28.80	57	98.3	K0	CZ	11934	P -40 6404
29	10.0E	9.7Z	59 32.517	-0.0018	12	-42 27 9.24	-0.018	12	0.66	32.607	28	99.4	8.35	26	99.4	A0	CZ	11935	P -42 6507
30	9.2E	8.5Z	59 33.536	-0.0031	12	-49 53 54.05	-0.024	12	0.72	33.682	45	02.3	52.91	45	02.3	A2	CZ	11932	P -49 6592
31	9.7E	9.0Z	59 38.711	-0.0026	12	-41 35 31.16	-0.013	12	0.75	38.840	45	99.8	30.50	45	99.8	F0	CZ	11939	P -41 6611
32		9.5T	59 40.463	0.0030	14	-41 22 41.96	-0.029	12	0.67	40.322	24	03.0	40.52	24	00.7	K0	GC	10058	C -41 8408
33		9.6T	59 43.786	0.0041	12	-41 44 50.10	-0.022	10	0.61	43.582	22	00.3	48.94	22	96.5	M0	GC	10059	C -41 8409
34	9.5E	9.0Z	59 45.212	-0.0048	12	-49 18 4.68	-0.030	12	0.72	45.441	45	02.3	5.27	45	02.3	F8	CZ	11937	P -48 6055
35	10.1E	9.4*	59 46.810	-0.0024	12	-49 0 51.33	-0.015	12	0.65	46.926	31	01.3	52.61	28	01.3	F0	CZ	11938	P -48 6057
36	8.9E	8.8Z	59 51.403	-0.0037	12	-40 28 1.48	-0.026	12	0.86	51.592	63	98.3	0.13	57	98.3	A3	CZ	11942	P -39 6173
37	7.9E	8.0Z	59 55.150	-0.0029	12	-46 34 26.56	-0.010	12	0.72	55.287	45	02.2	26.09	45	02.2	B8	CZ	11941	P -46 6611
38	10.2E	9.7Z	14 0 2.309	-0.0013	12	-48 33 6.21	-0.010	12	0.72	2.370	45	02.3	5.73	45	02.3	A	CZ	11943	P -48 6064
39	9.9E	8.9Z	0 2.703	-0.0011	12	-40 40 56.52	-0.019	12	0.86	2.757	63	98.3	55.54	57	98.3	K0	CZ	11945	P -40 6410
40	9.7E		0 21.668	0.0002	12	-40 37 18.63	-0.011	12	0.86	21.655	63	98.3	18.05	57	98.3		CZ	11947	P -40 6416
41		6.4H	0 24.056	-0.0033	05	-41 10 59.44	-0.023	05	0.17	24.152	10	20.8	58.75	09	20.4	A0P	F4	1364	C -40 8373
42	9.2E	8.5Z	0 24.938	-0.0031	12	-42 55 49.43	-0.008	12	0.73	25.088	45	00.9	49.02	45	00.9	K0	CZ	11949	P -42 6510
43	10.1E	9.5*	0 30.728	-0.0034	12	-47 58 17.83	-0.019	12	0.65	30.895	31	01.0	16.90	28	01.0	A0	CZ	11948	P -47 6330
44	8.8E	8.5Z	0 39.999	-0.0028	12	-47 9 4.20	-0.008	12	0.65	40.136	31	01.0	3.81	28	01.0	A2	CZ	11955	P -46 6622
45	9.4E	9.0Z	0 42.797	-0.0066	12	-43 31 36.69	-0.076	12	0.65	43.125	28	00.2	32.88	26	00.2	G5	CZ	11956	P -43 6390
46	8.9E	9.5Z	0 46.759	-0.0015	12	-42 45 19.68	-0.021	12	0.73	46.835	45	00.9	18.63	45	00.9	A2	CZ	11957	P -42 6514
47		8.0T	0 54.733	-0.0030	17	-44 22 30.28	-0.048	12	0.74	54.877	17	02.4	27.80	18	97.9	G0	CZ	11962K	C+-44 9080
48	9.7E	9.5Z	0 58.224	-0.0019	12	-42 26 0.26	-0.029	12	0.73	58.316	45	00.9	58.86	45	00.9	F5	CZ	11961	P -42 6518
49	9.4E	9.5Z	0 59.983	0.0003	12	-43 9 48.47	-0.016	12	0.73	59.966	45	00.9	47.67	45	00.9	F0	CZ	11963D	P+-42 6519
50	9.8E	9.3*	1 3.161	-0.0017	12	-46 10 56.11	-0.024	12	0.65	3.243	31	01.3	54.94	28	01.3	A2	CZ	11962	P -45 6672
51		7.1T	14 1 8.324	-0.0022	16	-41 34 19.95	-0.076	13	0.77	8.434	18	99.5	16.08	18	98.9	F5	GC	10091	C -41 8428
52	9.4E	8.0Z	1 16.041	-0.0002	12	-46 7 0.72	-0.031	12	0.72	16.051	45	02.8	59.26	45	02.8	K2	CZ	11965	P -45 6676
53	7.9E	8.2Z	1 16.789	-0.0033	12	-41 31 29.86	-0.022	12	0.75	16.956	45	99.8	28.76	45	99.8	A3	CZ	11966	P -41 6623
54	7.4E	7.8Z	1 27.829	-0.0032	12	-49 49 55.76	-0.046	12	0.72	27.979	45	02.3	53.59	45	02.3	A2	CZ	11967	P -49 6619
55	8.0E	8.8Z	1 31.057	-0.0043	12	-45 2 56.66	-0.016	12	0.65	31.264	31	01.7	55.80	28	01.7	A3	CZ	11969	P -44 6633
56	8.0E	7.9Z	1 36.693	-0.0053	12	-49 57 54.84	-0.053	12	0.65	36.949	31	01.3	52.27	28	01.3	A2	CZ	11968	P -49 6623
57	8.8E	9.0Z	1 36.829	-0.0048	12	-41 2 48.91	-0.030	12	0.86	39.075	63	98.3	47.35	57	98.3	F0	CZ	11971	P -40 6432
58	10.0E	9.6Z	1 40.889	-0.0027	12	-49 1 48.09	-0.015	12	0.72	41.018	45	02.3	47.38	45	02.3	A0	CZ	11970	P -48 6084
59	9.1E	8.7Z	1 42.449	-0.0031	12	-41 13 18.30	-0.013	12	0.86	42.608	63	98.3	17.62	57	98.3	A0	CZ	11972	P -40 6433
60	11.2E	10.2H	1 42.854	-0.0022	12	-41 13 9.03	-0.006	12	0.86	42.966	63	98.3	8.71	57	98.3	A0	CZ	11973	P -40 6433
61	9.9E	9.0Z	1 53.360	-0.0025	12	-49 15 36.30	-0.029	12	0.72	53.470	45	02.3	34.94	45	02.3	G0	CZ	11974	P -48 6099
62	9.3E	8.5Z	2 10.637	-0.0016	12	-42 37 17.84	-0.025	12	0.73	10.715	45	00.9	16.63	45	00.9	A2	CZ	11977	P -42 6523
63	9.4E	8.5Z	2 13.427	-0.0037	12	-41 3 41.51	-0.012	12	0.86	13.616	63	98.3	40.89	57	98.3	K0	CZ	11978	P -40 6436
64	9.3E	8.5Z	2 16.951	-0.0027	12	-42 36 18.31	-0.025	12	0.73	17.082	45	00.9	17.10	45	00.9	K0	CZ	11979	P -42 6525
65	9.1E	9.0Z	2 19.651	-0.0042	12	-43 8 50.84	-0.029	12	0.66	19.862	28	99.5	49.36	26	99.5	F0	CZ	11982	P -42 6526
66	10.0E	9.0Z	2 25.523	0.0002	12	-49 9 45.95	0.023	12	0.72	25.513	45	02.3	47.07	45	02.3	G0	CZ	11980	P -48 6106
67	8.8E	9.0Z	2 25.565	-0.0084	12	-48 13 20.79	-0.121	12	0.67	25.965	36	02.3	15.02	36	02.3	G5	CZ	11981	P -47 6343
68	9.0E	9.0Z	2 25.986	-0.0022	12	-42 33 40.44	-0.013	12	0.73	27.073	45	00.9	39.33	45	00.9	A0	CZ	11983	P -42 6530
69	9.7E	9.2Z	2 42.313	-0.0102	12	-44 32 18.29	-0.071	12	0.67	42.797	36	02.7	14.95	36	02.7	G5	CZ	11985	P -44 6636
70	9.8E	8.5Z	2 49.314	-0.0048	12	-49 2 27.03	-0.016	12	0.72	49.542	45	02.3	26.28	45	02.3	K0	CZ	11987	P -48 6112
71	9.3E	9.0Z	2 49.837	-0.0036	12	-49 49 57.95	-0.039	12	0.72	50.007	45	02.3	56.10	45	02.3	G0	CZ	11986	P -49 6647
72	9.8E	9.5H	2 53.563	-0.0043	12	-45 23 24.46	-0.022	12	0.64	53.770	28	01.3	23.39	26	01.3	F2	CZ	11989	P -45 6684
73		4.5T	2 59.020	-0.0017	05	-40 56 27.54	-0.024	04	0.22	59.098	09	03.9	26.32	07	99.4	B3	GC	10017	C+-40 8405
74		7.6T	3 0.297	-0.0086	16	-44 27 2.37	-0.036	12	0.72	0.609	22	02.9	0.46	21	97.8	A0	GC	10018	C -44 9078
75	9.7E	9.5Z	3 1.279	0.0007	12	-48 8 55.26	-0.007	12	0.67	1.245	36	02.3	54.92	36	02.3	A0	CZ	11990	P -47 6352
76		6.3T	3 4.950	-0.0007	11	-42 51 10.99	-0.041	10	0.60	4.985	18	97.0	8.70	17	94.7	K0	GC	10020	C -42 9087
77	10.1E	9.0W	3 5.431	-0.0095	12	-49 8 16.23	-0.032	12	0.65	5.883	31	01.3	14.69	28	01.3	G0	CZ	11992	P -48 6119
78	8.6E	8.5Z	3 6.427	-0.0012	12	-40 56 10.92	-0.035	12	0.76	6.490	45	98.9	9.15	45	98.9	A5	CZ	11996	P -40 6442
79	8.7E	8.5Z	3 30.361	-0.0025	12	-46 20 58.62	-0.014	12	0.64	30.501	28	01.3	57.96	26	01.3	A2	CZ	11998	P -45 6685
80	9.4E	9.8Z	3 30.946	0.0008	12	-43 13 27.13	-0.014	12	0.73	30.903	45	00.9	26.45	45	00.9	B8	CZ	12001	P -42 6537
81	9.4E	9.0Z	3 33.408	-0.0017	12	-41 44 42.82	-0.019	12	0.74	33.493	45	00.3	41.87	45	00.3	A2	CZ	12004	P -41 6634
82	9.2E	9.0Z	3 33.888	0.0018	12	-41 4 4.01	-0.042	12	0.67	33.774	28	98.2	1.84	26	98.2	G5	CZ	12005	P -40 6447
83	9.4E	9.0Z	3 35.280	-0.0016	12	-42 18 54.31	-0.014	12	0.73	35.338	45	00.9	53.61	45	00.9	K0	CZ	12006	P -41 6635
84	10.1E	9.0Z	3 37.313	-0.0000	12	-41 30 16.52	-0.018	12	0.66	37.314	28	99.3	15.62	26	99.3	K5	CZ	12007	P -41 6636
85	8.9E	9.0Z	3 38.361	-0.0001	12	-48 2 30.44	0.004	12	0.67	38.367	36	02.3	30.65	36	02.3	B9	CZ	12002	P -47 6364
86	8.9E	9.0Z	3 40.834	-0.0010	12	-48 3 37.56	-0.015	12	0.67	40.883	36	02.3	36.86	36	02.3	B9	CZ	12003	P -47 6363
87		7.1T	3 46.607	-0.0030	12	-47 21 4.39	-0.019	10	0.62	46.763	18	98.6	3.35	18	95.2	A0	GC	10035	C -46 9087
88	9.8E	9.3Z	3 56.275	-0.0007	12	-48 51 35.20	-0.011	12	0.69	56.307	45	05.9	34.70	45	05.9	B8	CZ	12008	P -48 6138
89	9.1E	8.5Z	4 4.352	0.0008	12	-49 25 28.16	-0.012	12	0.69	4.313	45	05.9	27.62	45	05.9	K0	CZ	12010	P -49 6673
90	9.8E	9.5Z	4 10.516	-0.0000	12	-48 4 49.73	-0.010	12	0.72	10.517	45	02.3	49.26	45	02.3	A0	CZ	12011	P -47 6372
91	9.1E	9.6Z	4 12.183	-0.0002	12	-48 11 9.15	-0.016	12	0.72	12.194	45	02.3	8.40	45	02.3	A0	CZ	12013	P -47 6375
92	9.8E	10.0Z	4 12.439	0.0009	12	-48 4 28.13	-0.020	12	0.72	12.397	45	02.3	27.19	45	02.3	A0	CZ	12014	P -47 6373
93	10.2E	8.5Z	4 12.719	0.0013	12	-49 34 23.81	-0.020	12	0.69	12.660	45	05.9	22.92	45	05.9	MA	CZ	12012	P -49 6675
94	9.1E	9.2Z	4 16.814	-0.0010	12	-48 4 41.47	-0.018	12	0.72	16.863	45	02.3	40.63	45	02.3	A0	CZ	12015	P -47 6377
95	9.0E	9.2Z	4 17.872	0.0005	12	-48 4 46.28	-0.019	12	0.72	17.849	45	02.3	45.39	45	02.3	A0	CZ	12016	P -47 6377
96	8.8E	8.5Z	4 18.593	0.0005	12	-48 13 42.28	-0.009	12	0.78	18.571	45	02.3	41.87	45	02.3	B8	CZ	12017	P -47 6378
97		9.3T	4 19.991	-0.0167	18	-45 21 90.02	-0.046	17	0.85	20.445	24	04.9	47.85	28	02.9	G0	GC	10047	C+-45 8944
98	9.4E	9.0Z	4 21.991	-0.0016	12	-43 42 19.81	-0.022	12	0.73	22.066	45	02.0	18.56	45	02.0	A3	CZ	12023	P -43 6411
99	8.8E	9.0Z	4 22.459	-0.0010	12	-48 5 5.33	-0.018	12	0.72	22.509	45	02.3	33.02	45	02.3	B9	CZ	12018	P -47 6381
00	8.9E	8.5Z	4 24.611	0.0010	12	-48 14 1.73	-0.021	12	0.72	24.565	45	02.3	0.74	45	02.3	B9	CZ	12019	P -47 6382

224700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 14H DM NUMBER
1	7.6E	8.5Z	14 4 25.283	0.0005	12	-47 56 55.58	-0.015	12	0.65	25.261	31	01.0	54.82	28	01.0	B9	CZ	12021	P -47 6383
2		6.6T	4 26.521	-0.0043	13	-49 37 53.80	0.107	10	0.64	26.740	18	98.4	59.77	15	94.2	G0	GC	19053K	C*-49 8475
3		6.8T	4 27.540	-0.0047	08	-48 27 59.41	-0.046	07	0.37	27.752	15	05.1	57.19	14	01.8	A0	GC	19054	C -48 8775
4	8.4E	8.3H	4 29.703	0.0022	12	-40 24 50.18	-0.039	12	0.66	29.591	24	98.1	48.17	22	98.1	K2	CZ	12025	P -40 6455
5	9.0	8.7W	4 31.027	-0.0009	13	-40 0 31.63	0.012	13	0.26	31.039	15	35.5	31.80	21	35.5	G0	C8	6811	C -39 8712
6	9.1E	9.0Z	4 39.139	-0.0003	12	-48 17 7.16	-0.011	12	0.69	39.153	45	05.9	6.69	45	05.9	B9	CZ	12027	P -47 6387
7	9.8E	8.5Z	4 39.666	0.0002	12	-48 45 12.95	-0.017	12	0.69	39.658	45	05.9	12.19	45	05.9		CZ	12028	P -48 6146
8	9.7E	9.0Z	4 40.272	-0.0018	12	-48 43 54.76	-0.012	12	0.69	40.351	45	05.9	54.25	45	05.9	A2	CZ	12029	P -48 6147
9		9.4G	4 41.274	0.0044	13	-42 1 55.83	0.007	11	0.69	41.048	29	98.7	56.23	24	96.0	F8	GC	19060	C -41 8483
10	8.7E	9.2Z	4 45.838	0.0003	12	-43 11 29.67	-0.008	12	0.66	45.821	28	99.6	29.27	26	99.6	B9	CZ	12030	P -42 6545
11	8.1E	8.0Z	4 47.465	-0.0002	12	-43 45 21.10	0.003	12	0.65	47.477	28	00.3	21.24	26	00.3	B9	CZ	12032	P -43 6416
12	9.7E	9.1H	4 48.367	0.0014	12	-45 12 33.21	-0.019	12	0.65	48.298	31	01.0	32.26	28	01.0	G5	CZ	12031	P -44 6649
13	9.8E	9.5Z	5 2.294	-0.0016	12	-42 45 20.49	-0.058	12	0.73	2.371	45	00.9	17.64	45	00.9	F8	CZ	12035	P -42 6551
14	10.0E	9.9Z	5 6.872	-0.0003	12	-45 6 31.53	-0.020	12	0.72	6.886	45	02.4	30.56	45	02.4	B9	CZ	12036	P -44 6651
15	9.0E	8.5Z	5 8.071	-0.0041	12	-48 1 25.71	-0.061	12	0.72	8.268	45	02.3	22.81	45	02.3	F8	CZ	12034	P -47 6383
16	10.3E	9.3Z	5 16.119	-0.0005	12	-48 54 52.31	-0.015	12	0.69	16.142	45	05.9	51.64	45	05.9	F8	CZ	12037	P -48 6161
17	8.7E	9.0Z	5 16.144	-0.0002	12	-41 48 39.22	-0.007	12	0.66	16.154	28	99.3	38.86	26	99.3	A2	CZ	12039	P -41 6648
18		9.5T	5 33.659	0.0025	13	-42 32 13.18	-0.020	12	0.66	33.536	24	01.4	12.15	22	99.3	K0	GC	19076	C -42 9063
19		8.8T	5 38.584	0.0021	12	-42 21 44.00	-0.031	11	0.64	38.480	22	00.7	42.41	22	98.0	B9	GC	19077	C -41 8497
20	8.0E	8.0Z	5 42.383	0.0003	12	-48 8 49.80	-0.035	12	0.72	42.371	45	02.3	48.14	45	02.3	K0	CZ	12042	P -47 6389
21		6.4T	5 44.918	-0.0019	14	-43 14 2.94	-0.032	10	0.65	45.011	15	00.4	1.21	15	98.5	B9	GC	19080K	C -42 9065
22		8.9T	5 52.472	-0.0038	20	-45 20 19.34	-0.011	20	0.91	52.642	24	05.5	18.84	24	05.1	A0	GC	19082K	C*-44 9112
23	10.1E	9.2#	5 55.272	-0.0006	12	-44 24 32.24	-0.033	12	0.65	55.303	31	01.0	30.62	28	01.0	G0	CZ	12046	P -44 6660
24	9.4E	9.0Z	5 56.262	0.0007	12	-40 38 46.09	-0.029	12	0.85	56.227	63	99.4	44.64	57	99.4	K0	CZ	12048	P -40 6463
25	9.7E	9.1Z	5 57.177	-0.0048	12	-44 52 10.90	-0.056	12	0.72	57.408	45	02.4	8.24	45	02.4	G0	CZ	12047	P -44 6661
26	10.0E	9.3H	6 8.505	0.0010	12	-45 19 19.78	0.001	12	0.73	8.458	45	01.7	19.85	45	01.7	A3	CZ	12049	P -44 6663
27	9.1E	9.0Z	6 11.982	-0.0017	12	-47 6 43.85	-0.002	12	0.65	12.067	31	01.0	43.77	28	01.0	A3	CZ	12051	P -46 6652
28	9.1E	8.5Z	6 19.926	-0.0019	12	-40 22 48.90	-0.043	12	0.85	20.026	63	99.4	46.74	57	99.4	F5	CZ	12057	P -40 6464
29		9.4T	6 22.341	-0.0046	26	-46 41 10.10	-0.021	26	1.18	22.551	21	04.6	9.15	21	04.6	A0	GC	19094	C -46 9114
30	8.6E	8.5Z	6 23.227	0.0020	12	-47 14 14.96	-0.032	12	0.83	23.129	63	02.3	13.45	57	02.3	G5	CZ	12054	P -46 6654
31	9.8E	9.0Z	6 27.313	0.0031	12	-44 7 49.89	-0.035	12	0.73	27.166	45	02.0	48.21	45	02.0	G0	CZ	12058	P -43 6427
32	8.9E	9.0Z	6 44.605	-0.0017	12	-48 10 33.20	-0.034	12	0.72	44.687	45	02.3	31.60	45	02.3	A5	CZ	12059	P -47 6406
33	10.0E	9.2Z	6 45.174	0.0014	12	-48 29 14.09	-0.028	12	0.69	45.114	45	05.9	12.87	45	05.9	F5	CZ	12060	P -48 6180
34	7.6E	8.0Z	6 46.708	0.0007	12	-44 2 41.77	-0.004	12	0.65	46.675	28	00.2	41.57	26	00.2	B9	CZ	12062	P -43 6429
35	11.5E	10.6Z	6 47.403	0.0024	12	-44 2 50.95	-0.052	12	0.73	47.290	45	02.0	48.45	45	02.0	B9	CZ	12063	P -43 6429
36		8.4T	6 54.677	-0.0062	22	-46 1 56.32	-0.135	22	1.06	54.960	21	04.1	50.03	19	03.4	G0	GC	19102	C -45 8971
37		7.6T	7 0.750	0.0002	14	-45 40 41.20	-0.024	10	0.66	0.738	19	99.8	39.89	18	95.0	A0	GC	19106	C -45 8972
38	9.8E	8.5Z	7 4.621	-0.0004	12	-44 50 32.01	-0.019	12	0.72	4.642	45	02.4	31.10	45	02.4	K2	CZ	12068	P -44 6667
39	9.7E	9.2Z	7 8.070	-0.0028	12	-46 51 23.23	-0.017	12	0.72	8.206	45	02.2	22.44	45	02.2	F8	CZ	12069	P -46 6660
40		8.4T	7 8.461	0.0066	22	-44 45 0.06	-0.345	22	1.04	8.163	21	04.6	44.38	21	04.6	G0	GC	19107K	C -44 9127
41	10.6E	9.5#	7 23.024	0.0006	12	-42 2 54.20	-0.012	12	0.66	22.994	28	99.3	53.58	26	99.3		CZ	12074	P -41 6655
42	9.5E	9.5Z	7 23.508	0.0022	12	-41 42 39.76	-0.036	12	0.66	23.397	28	99.3	37.95	26	99.3	F8	CZ	12078	P -41 6656
43		7.7T	7 28.904	-0.0067	20	-47 31 59.91	-0.016	15	0.86	29.220	19	02.9	59.12	19	00.7	F8	GC	19113	C -47 8945
44	10.0E	9.5Z	7 41.169	0.0058	12	-42 41 34.55	-0.036	12	0.65	40.876	26	99.4	32.72	24	99.4	F8	CZ	12083	P -42 6567
45		7.8T	7 46.375	-0.0056	17	-46 40 32.71	-0.019	11	0.70	46.625	24	05.6	31.80	24	01.9	F2	GC	19119K	C*-46 9133
46	9.8E	9.7Z	7 47.613	-0.0002	12	-49 26 41.50	-0.008	12	0.69	47.622	45	05.9	41.14	45	05.9	B9	CZ	12081	P -49 6732
47		6.7T	7 48.414	-0.0080	15	-48 32 46.78	-0.078	10	0.66	48.804	19	01.3	42.59	18	96.0	G5	GC	19120	C -48 8820
48	8.7E	8.0Z	7 49.876	-0.0025	12	-49 2 15.93	-0.040	12	0.62	49.993	28	03.4	14.05	26	03.4	F0	CZ	12086	P -48 6204
49		8.2T	8 9.689	0.0009	20	-45 33 42.99	-0.009	20	0.93	9.646	24	04.6	42.58	24	04.1	K0	GC	19128	C -45 8984
50	9.7E	9.9Z	8 11.053	0.0001	12	-47 57 56.02	-0.013	12	0.67	11.049	36	02.3	55.41	36	02.3	A0	CZ	12088	P -47 6415
51		8.2T	14 8 13.551	-0.0025	18	-49 12 0.41	-0.014	12	0.75	13.664	24	04.6	59.74	22	00.8	G5	GC	19129	C -48 8826
52	10.4E	8.5Z	8 17.381	0.0007	12	-49 45 31.73	-0.008	12	0.63	17.347	31	03.7	31.34	28	03.7	K2	CZ	12091	P -49 6743
53	9.8E	8.7Z	8 20.357	-0.0010	12	-46 27 41.97	-0.013	12	0.67	20.403	36	02.3	41.37	36	02.3	G5	CZ	12094	P -46 6673
54	11.9E	10.5H	8 20.611	-0.0004	12	-49 44 51.65	-0.021	12	0.69	20.627	45	05.9	50.71	45	05.9		CZ	12092D	P -49 6746
55	10.9E	10.0Z	8 20.779	-0.0002	12	-49 44 45.90	-0.011	12	0.69	20.786	45	05.9	45.40	45	05.9		CZ	12093D	P -49 6746
56		8.6T	8 30.647	-0.0024	20	-45 34 11.70	-0.037	20	0.93	30.754	24	04.6	10.00	24	04.1	F0	GC	19136	C -45 8988
57	9.6E	9.5Z	8 33.148	-0.0006	12	-43 30 51.08	-0.010	12	0.64	33.176	26	00.7	50.59	24	00.7	F2	CZ	12096	P -43 6445
58	9.3E	9.3Z	8 38.824	-0.0011	12	-40 50 55.00	-0.019	12	0.85	38.880	63	99.4	54.06	57	99.4	F0	CZ	12099	P -40 6472
59	9.9E	9.3Z	8 57.903	0.0006	12	-40 21 21.49	-0.015	12	0.68	57.874	28	97.9	20.73	26	97.9	A2	CZ	12101	P -40 6474
60	7.9E	8.5Z	9 2.544	-0.0008	12	-48 9 27.00	-0.019	12	0.64	2.547	28	01.3	26.05	26	01.3	A0	CZ	12100	P -47 6420
61	8.7E	8.5Z	9 11.790	-0.0008	12	-47 54 35.22	-0.022	12	0.72	11.830	45	02.3	34.19	45	02.3	A0	CZ	12102	P -47 6422
62	9.4E	9.0Z	9 23.347	-0.0011	12	-47 19 25.35	-0.054	12	0.72	23.397	45	02.3	22.79	45	02.3	F8	CZ	12103	P -46 6678
63	8.3E	8.5Z	9 25.653	-0.0023	12	-43 7 30.38	-0.010	12	0.67	25.770	28	98.9	29.87	26	98.9	A0	CZ	12105	P -42 6575
64	9.0E	8.5Z	9 43.190	0.0004	12	-47 53 42.58	-0.013	12	0.72	43.173	45	02.3	41.98	45	02.3	K0	CZ	12107	P -47 6428
65	9.1E	9.0Z	9 47.173	0.0009	12	-42 30 34.81	-0.020	12	0.66	47.127	28	99.1	33.77	26	99.1	A2	CZ	12109	P -42 6581
66		6.8T	9 47.967	-0.0038	10	-41 24 32.14	-0.005	08	0.42	48.127	15	07.8	31.90	14	04.1	K5	GC	19158	C -41 8559
67		7.0T	9 50.273	-0.0010	15	-40 35 57.42	-0.009	10	0.65	50.321	21	02.3	56.93	19	96.2	A0	GC	19160	C*-40 8492
68	9.6E	8.5Z	10 7.215	-0.0004	12	-45 51 12.38	-0.005	12	0.73	7.233	45	01.7	12.15	45	01.7	F5	CZ	12113	P -45 6735
69	10.0E	9.0Z	10 14.983	-0.0007	12	-46 23 55.58	-0.023	12	0.65	15.016	31	01.0	54.47	28	01.0	A2	CZ	12115	P -46 6686
70	9.7E	9.0Z	10 17.964	-0.0040	12	-46 8 37.11	-0.014	12	0.66	18.160	31	00.6	36.44	28	00.6	F0	CZ	12117	P -45 6737
71	9.4E	9.0Z	10 18.307	0.0005	12	-49 39 23.53	-0.025	12	0.62	18.282	31	04.1	22.37	28	04.1	A2	CZ	12114	P -49 6775
72	10.2E	9.9H	10 20.818	-0.0000	12	-45 23 13.25	-0.007	12	0.66	20.820	31	00.6	12.92	28	00.6	A2	CZ	12118	P -45 6740
73	8.6E	8.2Z	10 22.369	0.0011	12	-42 13 49.93	-0.010	12	0.85	22.313	63	99.3	49.40	57	99.3	K5	CZ	12120	P -41 6665
74		7.6T	10 27.191	0.0026	15	-45 45 9.76	-0.019	10	0.68	27.065	22	02.4	10.79	21	96.1	A3	GC	19174	C -45 9019
75	8.9E	9.0Z	10 29.888	-0.0027	12	-47 16 43.85	-0.044	12	0.65	30.022	31	01.0	41.72	28	01.0	A0	CZ	12122	P -46 6687
76	10.0E	10.0Z	10 51.280	0.0019	12	-44 17 10.75	-0.033	12	0.66	51.167	31	00.3	9.10	28	00.3	A2	CZ	12127	P -43 6457
77		8.0T	10 55.153	-0.0014	12	-48 20 38.77	-0.004	11	0.65	55.225	18	99.0	38.56	17	96.7	K0	GC	19185	C -47 8987
78	10.5E	9.6#	10 56.633	-0.0003	12	-49 8 9.90	-0.022	12	0.63	56.648	31	03.7	8.87	28	03.7	A2	CZ	12125	P -48 6256
79	9.8E	9.7Z	10 57.658	-0.0000	12	-43 47 30.78	-0.015	12	0.73	57.660	45	01.0	30.04	45	01.0	A0	CZ	12128	P -43 6459
80	10.1E	8.5Z	10 58.342	-0.0016	12	-49 52 28.63	-0.025	12	0.68	58.410	45	06.5	27.52	45	06.5	G5	CZ	12126	P -49 6781
81	9.7E	8.5Z	11 3.209	-0.0001	12	-47 36 25.13	-0.034	12	0.72	3.215	45	02.3	23.53	45	02.3	K0	CZ	12129	P -47 6437
82	9.3E	9.5Z	11 5.958	-0.0010	12	-41 57 4.44	-0.018	12	0.67	6.010	28	98.4	3.50	26	98.4	F0	CZ	12132	P -41 6670
83	9.2E	8.9Z	11 8.297	-0.0000	12	-41 39 19.07	-0.053	12	0.75	8.297	45	99.4	16.40	45	99.4	G5	CZ	12135	P -41 6671
84		8.3T	11 10.901	-0.0089	22	-47 54 45.08	-0.171	20	1.00	11.311	21	04.0	37.11	21	03.4	G5	GC	19190	C -47 8991
85		8.3T	11 12.326	-0.0003	20	-45 32 18.72	-0.028	20	0.91	12.337	24	05.4	17.48	24	04.9	M0	GC	19191	C -45 9026
86	9.4E	9.0Z	11 27.561	-0.0002	12	-42 26 47.23	-0.003	12	0.74	27.571	45	99.9	46.87	45	99.9	K0	CZ	12136	P -42 6589
87	9.8E	9.5Z	11 33.527	0.0012	12	-43 57 56.71	-0.007	12	0.66	33.468	28	99.8	57.05	26	99.8	G0	CZ	12137	P -43 6464
88	9.4E	9.0Z	11 34.341	-0.0007	12	-41 53 58.41	-0.008	12	0.75	34.376	45	99.4	57.99	45	99.4	F8	CZ	12139	P -41 6673
89		8.9T	11 34.876	0.0005	18	-45 25 36.46	-0.019	16	0.83	34.854	24	04.6	35.56	22	02.5	K2	GC	19201	C*-45 9029
90	9.8E	9.0Z	11 35.458	-0.0021	12	-44 29 51.53	-0.040	12	0.73	35.562	45	01.3	49.58	45	01.3	K0	CZ	12138	P -44 6688
91		5.8T	11 36.723	-0.0120	09	-41 36 16.38	-0.025	08	0.40	37.224	15	08.2	15.27	12	05.1	G5	GC	19202	C -41 8589
92	9.8E	9.3#	11 46.590	-0.0007	12	-46 3 21.87	-0.004	12	0.66	46.623	31	00.6	21.70	28	00.6	B2	CZ	12142	P -45 6748
93	10.0E	9.7Z	11 51.892	0.0002	12	-48 21 6.38	-0.021	12	0.69	51.885	45	05.9	5.47	45	05.9	A0	CZ	12143	P -48 6268
94		6.9T	11 56.060	-0.0005	16	-40 40 5.01	-0.003	10	0.70	56.084	18	01.0	4.84	17	97.2	K2	GC	19213	C -40 8518
95	9.3E	9.0Z	12 2.139	-0.0018	12	-48 29 53.86	-0.030	12	0.69	2.220	45	05.9	52.57	45	05.9	A2	CZ	12144	P -48 6269
96	8.8E	9.0Z	12 8.884	-0.0017	12	-47 0 17.72	-0.012	12	0.65	8.970	31	01.0	17.15	28	01.0	A0	CZ	12148	P -46 6695
97	8.5E	9.0Z	12 22.834	-0.0015	12	-41 17 2.47	-0.039	12	0.67	22.913	28	98.4	0.47	26	98.4		CZ	12151	P -40 6502
98		6.4T	12 27.593	0.0127	08	-44 46 0.02	-0.146	08	0.39	27.042	15	06.5	-53.42	15	04.9	F8	GC	19227	C -44 9181
99		9.7T	12 31.786	-0.0017	14	-47 12 19.10	-0.027	12	0.68	31.868	24	02.6	17.72	22	99.0	M0	GC	19228	C -46 9191
00	11.7E	10.8H	12 36.414	-0.0011	12	-46 47 55.92	-0.010	12	0.67	36.464	36	02.3	55.46	36	02.3	A	CZ	12154	P -46 6700

224800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 14H DM NUMBER
1	10.1E	10.0Z	14 12 36.967	-0.0006	12	-46 47 59.93	-0.019	12	0.67	36.998	36	02.3	59.04	36	02.3	A	CZ	12155	P -46 6700
2	9.3E	9.3Z	12 39.880	-0.0002	12	-49 28 39.20	-0.006	12	0.68	39.899	45	06.5	38.93	45	06.5	B8	CZ	12153	P -49 6818
3	9.6E	9.5Z	12 43.354	0.0035	12	-44 21 40.42	-0.004	12	0.69	43.185	36	01.3	40.22	36	01.3	K2	CZ	12157	P -44 6694
4	9.0E	8.8Z	12 44.265	-0.0000	12	-46 56 48.90	-0.014	12	0.67	44.267	36	02.3	48.26	36	02.3	A2	CZ	12156	P -46 6701
5	9.7E	9.0M	13 5.194	-0.0017	12	-49 17 4.29	-0.027	12	0.62	5.272	31	04.1	3.04	28	04.1	F2	CZ	12159	P -48 6281
6	10.9E	9.9Z	13 13.723	0.0005	12	-44 57 30.17	-0.017	12	0.65	13.700	28	00.6	29.33	28	00.6	G5	CZ	12161	P -44 6687
7	7.7E	8.3Z	13 18.236	-0.0002	12	-41 0 6.13	-0.023	12	0.66	18.227	28	99.1	4.98	28	99.1	A0	CZ	12164	P -40 6508
8	9.8E	9.0Z	13 23.312	-0.0008	12	-48 40 18.21	-0.018	12	0.63	23.321	31	03.7	17.39	28	03.7	A0	CZ	12162	P -48 6287
9		8.8T	13 23.722	0.0040	12	-43 2 36.17	-0.018	11	0.64	23.517	18	99.1	35.20	18	97.3	A0	GC	18945K	C -42 9181
10		10.0T	13 31.282	-0.0007	16	-47 19 12.59	-0.034	12	0.72	31.326	24	03.7	10.85	22	99.0	MB	GC	19847	C -46 9208
11	9.4E	9.3Z	13 37.082	-0.0017	12	-48 18 40.83	-0.014	12	0.88	37.136	45	05.9	40.23	45	05.9	A2	CZ	12166	P -47 6454
12	9.1E	8.8Z	13 40.211	-0.0008	12	-49 42 49.04	-0.043	12	0.62	40.337	31	04.2	47.06	28	04.2	G0	CZ	12167	P -49 6836
13	8.7E	8.4Z	13 50.484	-0.0037	12	-47 56 23.16	-0.031	12	0.67	50.641	36	02.3	21.70	36	02.3	F2	CZ	12170	P -47 6456
14	10.7E	9.3Z	13 50.987	-0.0017	12	-47 56 13.65	-0.027	12	0.67	51.080	36	02.3	12.38	36	02.3	F2	CZ	12171	P -47 6456
15	8.4E	7.0Z	13 55.980	-0.0011	12	-46 40 46.62	-0.015	12	0.64	56.036	28	01.3	46.00	28	01.3	K5	CZ	12172	P -46 6715
16	8.7E	8.9Z	13 56.524	-0.0058	12	-42 37 50.04	-0.033	12	0.74	56.811	45	00.4	48.39	45	00.4	G0	CZ	12173	P -42 6607
17	10.3E	9.8M	14 15.810	0.0006	12	-47 16 5.70	-0.028	12	0.65	15.783	31	01.0	4.35	28	01.0	A0	CZ	12174	P -46 6716
18	9.0E	9.3Z	14 19.350	-0.0021	12	-46 38 47.38	-0.009	12	0.72	19.453	45	02.3	46.97	45	02.3	F0	CZ	12175	P -46 6719
19	9.8E	8.6Z	14 23.135	0.0016	12	-40 52 42.70	-0.033	12	0.84	23.058	63	01.2	41.10	57	01.2	K0	CZ	12176	P -40 6515
20		9.6T	14 24.769	-0.0004	22	-41 56 28.65	-0.062	22	1.07	25.204	19	03.6	25.75	19	03.0	F0	GC	19270	C -41 9626
21	9.9E	9.3Z	14 32.999	-0.0021	12	-43 49 17.91	-0.015	12	0.65	33.106	28	00.0	17.15	28	00.0	F2	CZ	12179	P -43 6479
22		7.9T	14 33.399	0.0003	18	-40 37 50.76	-0.025	12	0.74	33.365	15	04.1	49.56	15	02.4	A0	GC	19275	C -40 9559
23		7.4T	14 45.073	-0.0022	13	-42 21 38.03	-0.017	12	0.67	45.182	17	00.2	37.15	17	97.2	B9	GC	19281	C -42 9195
24	9.8E	9.7Z	14 52.401	0.0035	12	-44 37 19.33	-0.021	12	0.73	52.232	45	01.3	18.30	45	01.3	F2	CZ	12183	P -44 6708
25	10.4E	9.7M	14 58.051	-0.0001	12	-45 27 36.13	-0.009	12	0.66	58.057	31	00.6	35.71	28	00.6	G5	CZ	12184	P -45 6768
26	9.5E	9.0Z	15 9.613	-0.0011	12	-43 0 43.39	-0.009	12	0.74	9.667	45	00.4	42.95	45	00.4	F2	CZ	12190	P -42 6615
27	9.6E	8.5Z	15 10.133	0.0039	12	-45 40 29.35	0.022	12	0.73	9.946	45	01.7	30.43	45	01.7	G5	CZ	12187	P -45 6769
28	9.1E	9.0Z	15 14.323	-0.0006	12	-47 7 11.92	-0.021	12	0.65	14.354	31	01.0	10.91	28	01.0	B9	CZ	12189	P -46 6724
29	9.4E	8.7Z	15 31.705	-0.0032	12	-49 51 59.70	-0.069	12	0.72	31.853	45	03.0	56.44	45	03.0	G5	CZ	12192	P -49 6675
30	9.0E	9.5Z	15 39.676	-0.0008	12	-42 0 34.79	-0.010	12	0.66	39.717	28	99.1	34.27	26	99.1	A0	CZ	12194	P -41 6703
31	10.3E	10.0Z	15 53.272	-0.0002	12	-49 10 42.51	-0.020	12	0.72	53.282	45	02.4	41.55	45	02.4	A0	CZ	12195	P -48 6327
32	10.9E	9.9Z	15 55.875	0.0005	12	-48 22 38.53	-0.011	12	0.65	55.853	31	01.4	38.01	28	01.4		CZ	12196	P -48 6330
33		4.1T	16 11.449	-0.0013	05	-45 49 41.82	-0.001	04	0.23	11.506	09	04.6	41.77	07	98.8	B3	GC	19304	C#-45 9084
34	10.8E	9.0Z	16 13.369	-0.0000	12	-44 18 4.34	-0.014	12	0.66	13.371	31	00.3	3.64	28	00.3	K5	CZ	12199	P -43 6493
35		7.6T	16 17.871	-0.0044	16	-45 52 12.47	-0.007	11	0.72	18.084	19	01.0	12.10	18	96.6	A2	GC	19307	C -45 9086
36	9.3E	8.0Z	16 26.111	0.0010	12	-40 43 26.99	-0.023	12	0.84	26.064	63	01.2	25.68	57	01.2	K0	CZ	12201	P -40 6532
37	9.3E	8.8Z	16 44.720	0.0009	12	-46 12 3.69	-0.068	12	0.66	44.427	31	00.6	0.35	28	00.6	G0	CZ	12202	P -45 6785
38		5.7T	17 0.644	-0.0010	09	-42 49 47.67	0.006	08	0.40	0.685	15	08.1	47.93	14	04.7	G5	GC	19327K	C#-42 9235
39	10.1E	9.3Z	17 1.200	-0.0006	12	-48 39 48.30	-0.026	12	0.72	1.228	45	02.4	47.07	45	02.4	F8	CZ	12203	P -48 6355
40	9.9E	9.5Z	17 16.609	-0.0000	12	-47 38 54.89	-0.015	12	0.72	16.611	45	02.3	54.19	45	02.3	A2	CZ	12206	P -47 6470
41	10.1E	9.5Z	17 21.288	0.0001	12	-43 26 19.25	0.004	12	0.65	21.281	28	00.1	19.45	28	00.1	F5	CZ	12209	P -43 6502
42	9.5E	8.5Z	17 25.862	-0.0027	12	-49 36 2.33	-0.015	12	0.72	25.987	45	03.0	1.61	45	03.0	K0	CZ	12208	P -49 6902
43		5.0T	17 30.402	0.0031	07	-44 57 26.70	-0.084	05	0.27	30.284	10	11.6	22.96	10	05.7	F0	GC	19336	C#-44 9236
44	9.1E	9.1Z	17 33.509	-0.0029	12	-44 9 30.30	-0.014	12	0.65	33.656	28	99.9	29.59	28	99.9	A5	CZ	12214D	P#-43 6503
45	9.8E	9.7Z	17 34.388	-0.0005	12	-48 35 53.71	-0.021	12	0.67	34.403	36	02.4	52.73	36	02.4	A0	CZ	12210	P -48 6364
46	9.4E	9.0Z	17 34.679	-0.0065	12	-42 9 8.07	-0.025	12	0.74	35.003	45	00.2	6.81	45	00.2	G0	CZ	12215	P -41 6720
47	9.5E	8.0Z	17 35.789	-0.0022	12	-46 33 19.73	-0.010	12	0.67	35.896	36	02.3	19.26	36	02.3	K5	CZ	12213	P -46 6743
48		7.8T	17 37.077	-0.0052	16	-49 8 17.27	-0.017	11	0.72	37.332	19	00.9	16.39	18	96.3	A2	GC	19338	C -48 8963
49	8.2E	8.0Z	17 38.408	0.0026	12	-42 12 53.39	-0.016	12	0.74	38.278	45	00.2	52.58	45	00.2	F0	CZ	12217D	P#-41 6721
50	9.6E	9.0Z	17 38.807	-0.0022	12	-42 31 18.51	-0.015	12	0.74	38.916	45	00.4	17.76	45	00.4	G0	CZ	12218	P -42 6630
51		7.5T	14 17 42.129	0.0018	13	-42 11 45.16	-0.018	10	0.65	42.040	22	00.8	44.22	21	95.6	A3	GC	19340K	C#-41 8684
52	10.0E	9.4M	17 54.162	-0.0011	12	-49 43 31.03	-0.003	12	0.65	54.213	31	01.8	30.88	28	01.8	F5	CZ	12220	P -49 6910
53	8.4E	8.5Z	17 58.550	0.0007	12	-44 16 53.19	-0.031	12	0.68	58.518	36	01.3	51.68	36	01.3	F5	CZ	12223	P -43 6509
54	8.9E	9.0Z	18 3.936	-0.0012	12	-41 28 42.55	-0.039	12	0.65	3.997	28	99.8	40.61	24	99.8	A3	CZ	12224	P -41 6728
55	8.3E	8.5Z	18 11.098	-0.0255	12	-43 15 35.81	-0.040	12	0.68	12.335	36	01.5	33.87	36	01.5	G5	CZ	12226	P -42 6632
56	9.0E	9.0Z	18 14.456	-0.0014	12	-43 4 21.10	-0.027	12	0.69	14.524	36	00.7	19.77	36	00.7	A2	CZ	12228	P -42 6633
57	8.7E	8.7Z	18 16.162	-0.0017	12	-46 26 3.39	-0.025	12	0.67	16.241	36	02.3	2.22	36	02.3	A2	CZ	12225	P -46 6747
58	8.9E	9.5Z	18 16.407	-0.0014	12	-41 6 33.75	-0.026	12	0.84	16.476	63	01.2	32.49	57	01.2	B9	CZ	12231	P -40 6543
59	8.8E	8.5Z	18 23.368	0.0021	12	-48 50 1.56	-0.016	12	0.64	25.267	28	01.6	0.78	26	01.6	A2	CZ	12229	P -48 6373
60	9.0E	8.5Z	18 25.622	-0.0024	12	-45 38 34.96	-0.020	12	0.68	25.739	36	01.9	34.01	36	01.9	A3	CZ	12233	P -45 6795
61	9.8E	9.6Z	18 26.954	-0.0012	12	-49 23 0.44	-0.013	12	0.72	27.011	45	03.0	59.82	45	03.0	A0	CZ	12230	P -49 6914
62	8.9E	8.9Z	18 32.156	-0.0027	12	-47 50 37.36	-0.040	12	0.64	32.289	28	01.3	35.45	26	01.3	G0	CZ	12234	P -47 6479
63	9.3E	9.5Z	18 36.221	-0.0013	12	-48 35 49.36	-0.025	12	0.67	36.282	36	02.4	48.20	36	02.4	A2	CZ	12235	P -48 6379
64	8.9E	8.5Z	18 39.953	0.0023	12	-45 47 13.48	-0.045	12	0.68	39.841	36	01.9	11.34	36	01.9	F8	CZ	12237	P -45 6796
65	9.8E	8.5Z	18 39.992	-0.0011	12	-46 33 17.26	-0.007	12	0.67	40.047	36	02.3	16.94	36	02.3	K0	CZ	12236	P -46 6751
66	10.0E	9.7Z	18 50.858	-0.0018	12	-44 38 38.83	-0.053	12	0.73	50.947	45	01.3	36.24	45	01.3	G0	CZ	12238	P -44 6725
67		7.7T	18 52.029	0.0006	18	-44 25 51.04	-0.047	15	0.81	52.002	21	03.3	48.80	19	02.0	G5	GC	19356	C -44 9259
68	8.9E	8.5*	19 0.303	0.0001	12	-46 54 20.11	-0.006	12	0.64	0.301	28	01.3	19.84	26	01.3	F8	CZ	12240	P -46 6753
69	9.0E	9.5Z	19 9.648	-0.0001	12	-41 47 47.10	-0.015	12	0.66	9.653	28	99.8	46.33	26	99.8	A2	CZ	12241	P -41 6735
70		6.3T	19 21.820	-0.0013	13	-48 5 35.30	-0.016	09	0.61	21.886	18	99.7	32.42	17	95.0	B3	GC	19367K	C#-47 9082
71	9.3E	9.7Z	19 22.830	0.0002	12	-48 9 50.50	-0.009	12	0.72	22.821	45	02.3	50.09	45	02.3		CZ	12243	P -47 6484
72	9.3E	9.6Z	19 23.074	-0.0011	12	-46 45 45.57	-0.002	12	0.72	23.128	45	02.3	45.50	45	02.3	A0	CZ	12244	P -46 6758
73	9.5E	9.2Z	19 35.670	-0.0011	12	-41 10 18.68	-0.036	12	0.84	35.725	63	01.2	16.94	57	01.2	F0	CZ	12248	P -40 6548
74	10.6E	9.5*	19 41.746	-0.0015	12	-47 22 52.16	-0.021	12	0.66	41.822	31	01.0	51.15	31	01.0	A5	CZ	12247	P -47 6486
75	8.9E	8.5Z	19 43.832	-0.0021	12	-46 3 6.74	-0.019	12	0.66	43.934	31	00.6	5.82	28	00.6	A2	CZ	12249	P -45 6803
76	10.0E	9.7Z	19 45.737	-0.0001	12	-46 21 51.41	-0.008	12	0.72	45.740	45	02.3	51.04	45	02.3	A0	CZ	12250	P -46 6762
77	8.5E	8.2Z	19 49.020	-0.0022	12	-46 26 16.79	-0.004	12	0.65	49.126	31	01.0	16.61	28	01.0	B9	CZ	12251	P -46 6763
78	9.7E	9.5*	19 49.267	-0.0007	12	-40 15 29.93	-0.043	12	0.66	49.304	28	99.3	27.77	26	99.3	A0	CZ	12255	P -39 6286
79	9.1E	9.6Z	19 51.876	-0.0009	12	-44 30 56.11	-0.016	12	0.73	51.922	45	01.3	55.32	45	01.3	B8	CZ	12253	P -44 6733
80	8.3E	8.5Z	19 56.664	-0.0008	12	-40 44 39.32	-0.024	12	0.84	56.704	63	01.2	38.16	57	01.2	B9	CZ	12259	P -40 6553
81		6.6T	19 59.529	-0.0030	16	-47 11 23.46	-0.002	12	0.72	59.672	24	02.9	23.36	21	97.6	K0	GC	19381	C -46 9284
82	10.1E	9.0Z	20 4.628	-0.0023	12	-48 8 39.84	-0.023	12	0.72	4.739	45	02.3	38.76	45	02.3	A5	CZ	12257	P -47 6489
83	7.9E	8.0Z	20 7.507	-0.0010	12	-49 37 28.39	-0.019	12	0.72	7.553	45	03.0	27.49	45	03.0	B9	CZ	12258	P -49 6834
84		7.4T	20 7.572	-0.0008	13	-42 1 34.40	-0.019	11	0.65	7.710	17	00.6	35.38	17	95.3	B9	GC	19386	C -41 9260
85	9.4E	9.0Z	20 8.985	-0.0018	12	-45 41 21.00	-0.024	12	0.73	9.013	45	01.7	19.87	45	01.7	A2	CZ	12260	P -45 6807
86	9.8E	9.8Z	20 15.668	-0.0021	12	-44 22 25.17	-0.025	12	0.73	15.792	45	01.3	23.94	45	01.3	A2	CZ	12262	P -44 6737
87	9.6E	9.0M	20 17.486	-0.0003	12	-41 26 50.01	-0.028	12	0.65	17.502	28	00.0	48.62	26	00.0	K0	CZ	12263	P -41 6748
88		9.7T	20 22.285	-0.0006	22	-42 38 13.72	-0.048	22	1.07	22.682	19	03.6	11.45	19	03.0	G5	GC	19391	C -42 9288
89	8.7E	8.5Z	20 26.907	-0.0024	12	-43 44 5.87	-0.028	12	0.65	27.029	28	00.1	4.46	26	00.1	G0	CZ	12267	P -43 6524
90	10.1E	9.0Z	20 34.121	-0.0022	12	-49 6 8.05	-0.039	12	0.72	34.226	45	02.4	6.18	45	02.4		CZ	12266	P -48 6407
91		8.2T	20 35.523	-0.0020	18	-45 26 14.11	-0.040	18	0.88	35.617	19	03.2	12.23	19	02.9	A2	GC	19395	C#-45 9134
92		7.6T	20 36.930	-0.0007	11	-42 3 37.37	-0.001	09	0.46	36.900	15	08.5	37.34	14	05.2	K2	GC	19396	C -41 8728
93	10.4E	9.5*	20 43.907	-0.0011	12	-49 20 24.34	-0.005	12	0.65	43.960	31	01.8	24.09	28	01.8	K0	CZ	12270	P -48 6410
94		9.1T	20 46.335	-0.0029	20	-46 20 26.00	0.006	17	0.87	56.462	24	05.5	26.29	22	02.8	F0	GC	19403	C -45 9140
95	7.7E	7.8Z	20 59.282	0.0005	12	-41 0 40.68	-0.021	12	0.84	59.238	63	01.2	39.68	57	01.2	A3	CZ	12275	P -40 6563
96	10.0E	9.3*	20 59.549	0.0001	12	-48 25 40.64	-0.030	12	0.65	59.545	31	01.4	39.20	28	01.4	A0	CZ	12273	P -48 6415
97	9.2E	8.5Z	21 9.093	-0.0025	12	-48 48 50.40	-0.054	12	0.72	9.213	45	02.4	47.81	45	02.4	F8	CZ	12274	P -48 6418
98	10.2E	9.0Z	21 10.474	-0.0025	12	-48 59 31.34	-0.014	12	0.72	10.594	45	02.4	30.87	45	02.4	F8	CZ	12277	P -48 6419
99	9.7E	9.0*	21 12.376	-0.0024	12	-46 7 37.86	-0.029	12	0.66	12.493	31	00.6	36.45	28	00.6	F0	CZ	12279	P -45 6817
00	10.6E	9.7*	21 13.903	0.0006	12	-49 50 41.03	-0.007	12	0.63	13.872	28	01.9	40.67	26	01.9	F5	CZ	12278	P -49 6951

224900			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-40° 14H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1		7.6T	14 21 21.416	-0.0021	13	-46 57 6.11	-0.038	12	0.67	21.520	18	01.3	4.10	21	96.9	AO	GC	19411	C -46 9302		
2	9.4E	9.5Z	21 24.513	0.0002	12	-42 22 4.42	-0.035	12	0.65	24.503	28	00.0	2.66	26	00.0	GO	CZ	12281	P -42 6656		
3		6.6T	21 29.161	-0.0047	16	-44 5 5.05	-0.048	13	0.76	29.395	18	00.6	2.56	17	97.7	K0	GC	19413	C -43 9027		
4		8.0T	21 34.468	0.0001	16	-44 58 41.27	-0.037	18	0.88	34.464	19	03.2	39.51	19	02.9	B9	GC	19419	C -44 9299		
5		7.2T	21 36.629	-0.0030	09	-40 31 44.49	-0.021	08	0.35	36.749	10	09.8	43.58	09	07.5	B9	GC	19420	C -40 8656		
6		6.6T	21 39.925	-0.0019	16	-46 18 11.13	0.005	11	0.70	40.012	22	02.9	11.40	21	96.4	K5	GC	19426	C -45 9152		
7	9.0E	8.9Z	21 51.821	-0.0032	12	-46 47 7.50	-0.034	12	0.72	51.972	45	02.3	5.90	45	02.3	F2	CZ	12286	P -46 6782		
8	9.1E	8.9Z	21 3.862	-0.0020	12	-46 47 7.63	-0.032	12	0.72	3.990	45	02.3	6.12	45	02.3	A3	CZ	12288	P -46 6783		
9	9.1E	8.5Z	22 8.818	-0.0016	12	-48 51 14.80	-0.026	12	0.65	8.896	31	01.4	13.43	28	01.4	A2	CZ	12289	P -48 6430		
10	8.9E	8.0Z	22 18.712	0.0084	12	-43 25 1.30	-0.118	12	0.73	18.594	45	01.5	-55.58	45	01.5	G0	CZ	12290	P -43 6541		
11	10.3E	8.9Z	22 21.936	0.0019	12	-41 39 1.03	-0.052	12	0.65	21.841	28	99.9	-58.44	26	99.9	F8	CZ	12291	P -41 6762		
12	9.5E	9.5Z	22 30.155	-0.0014	12	-47 0 16.45	-0.024	12	0.67	30.224	36	02.3	15.33	36	02.3	F8	CZ	12292	P -46 6786		
13	10.4E	9.6#	22 34.330	0.0019	12	-48 9 24.17	0.003	12	0.64	34.239	28	01.3	24.34	26	01.3		CZ	12293	P -47 6517		
14	8.6E	9.0Z	22 38.308	-0.0012	12	-44 42 36.04	-0.019	12	0.69	38.368	36	01.3	35.10	36	01.3	B8	CZ	12294	P -44 6785		
15	9.5E	9.5Z	22 40.395	-0.0051	12	-44 28 36.87	-0.032	12	0.69	40.646	36	01.3	35.30	36	01.3	A5	CZ	12295	P -44 6766		
16	9.1E	9.5Z	22 45.841	-0.0022	12	-44 35 53.30	-0.027	12	0.69	45.949	36	01.3	51.98	36	01.3	F0	CZ	12296	P -44 6767		
17		8.5T	22 48.761	-0.0037	20	-45 2 11.15	-0.006	20	0.91	48.926	24	05.6	10.88	24	05.2	M0	GC	19450	C -44 9321		
18	9.9E	9.0#	22 50.510	-0.0023	12	-40 59 56.16	-0.001	12	0.66	50.627	28	99.7	56.12	26	99.7	K0	CZ	12298	C -40 6569		
19		4.6H	22 54.967	-0.0012	03	-44 59 46.85	-0.015	03	0.12	55.015	06	12.7	46.27	06	12.6	B3	F4	1377	C -44 9322		
20		4.5T	22 57.189	0.0014	05	-45 9 15.94	-0.011	04	0.22	57.126	09	04.1	15.39	07	00.4	F8	GC	19454K	C# -44 9323		
21	9.1E	8.5Z	23 2.993	-0.0059	12	-49 32 27.47	-0.047	12	0.65	3.278	31	01.4	25.17	28	01.4	F8	CZ	12299	P -49 6963		
22	10.4E	9.5Z	23 3.177	0.0008	12	-43 10 59.45	-0.021	12	0.64	3.136	26	00.1	58.41	24	00.1	K5	CZ	12301	P -42 6664		
23		6.4T	23 4.379	-0.0112	12	-42 5 35.69	-0.074	09	0.55	4.926	18	01.1	31.84	17	97.7	K0	GC	19455	C -41 8757		
24	9.7E	8.5Z	23 12.254	-0.0009	12	-40 34 23.00	-0.032	12	0.66	12.301	28	99.7	21.40	26	99.7	MA	CZ	12305	P -40 6575		
25	10.8E	10.0Z	23 28.123	-0.0023	12	-43 32 35.95	-0.040	12	0.64	28.257	26	00.2	33.96	24	00.2	G0	CZ	12306	P -43 6553		
26		8.2T	23 47.763	-0.0016	16	-40 12 33.65	-0.027	12	0.74	47.840	21	02.3	32.23	19	97.7	A3	GC	19475	C# -39 8919		
27	10.3E	9.6#	23 48.073	-0.0004	12	-47 4 29.40	-0.024	12	0.64	48.095	28	01.3	28.26	26	01.3	A0	CZ	12307	P -46 6795		
28	9.9E	9.0#	23 53.611	-0.0012	12	-41 40 22.96	-0.024	12	0.65	53.671	28	99.9	21.77	26	99.9	G0	CZ	12310	P -41 6774		
29		5.9T	23 58.077	-0.0147	08	-45 54 33.03	-0.085	07	0.35	58.676	12	09.1	29.22	14	05.2	A3	GC	19476K	C -45 9188		
30	8.8E	8.5Z	23 59.042	-0.0073	12	-48 24 41.66	-0.076	12	0.72	59.391	45	02.4	38.06	45	02.4	K2	CZ	12308	P -48 6464		
31	9.0E	9.2Z	24 8.532	-0.0002	12	-47 17 42.86	-0.020	12	0.65	8.544	31	01.0	41.90	28	01.0	B9	CZ	12312	P -46 6797		
32	8.4E	7.5Z	24 12.802	-0.0003	12	-48 9 35.47	-0.019	12	0.72	12.818	45	02.3	34.58	45	02.3	K0	CZ	12313	P -47 6522		
33	9.2E	9.5Z	24 14.116	0.0013	12	-44 19 13.51	-0.021	12	0.65	14.054	28	00.3	12.46	26	00.3	A0	CZ	12316	P -43 6558		
34	9.3E	9.0Z	24 14.352	-0.0022	12	-45 1 53.61	-0.029	12	0.73	14.459	45	01.3	52.18	45	01.3	F0	CZ	12315	P -44 6780		
35	7.9E	7.5Z	24 14.474	-0.0001	12	-46 52 29.51	-0.016	12	0.72	14.477	45	02.3	28.73	45	02.3	B9	CZ	12314	P -46 6798		
36		7.4T	24 18.568	-0.0034	09	-45 59 20.73	-0.009	08	0.41	18.715	15	06.2	20.31	14	03.0	A0	GC	19484	C -45 9190		
37	9.4E	9.5Z	24 22.553	-0.0008	12	-46 20 36.50	-0.016	12	0.72	22.590	45	02.3	35.76	45	02.3	A0	CZ	12319	P -46 6799		
38	9.1E	8.5Z	24 24.040	-0.0057	12	-47 51 56.88	-0.061	12	0.72	24.313	45	02.3	53.98	45	02.3	G0	CZ	12318	P -47 6524		
39		8.0T	24 24.318	-0.0026	13	-45 58 39.87	-0.001	12	0.69	24.447	21	99.5	39.82	19	95.7	A0	GC	19485	C -45 9191		
40	9.1E	9.0Z	24 28.577	-0.0008	12	-41 7 49.54	-0.023	12	0.66	28.619	28	99.1	48.38	26	99.1	A2	CZ	12321	P -40 6584		
41		7.2T	24 33.156	-0.0038	09	-44 6 22.33	-0.035	07	0.39	33.323	15	06.4	20.71	14	03.1	A2	GC	19489	C -43 9065		
42	9.5E	9.5H	24 33.429	-0.0006	12	-40 59 22.88	-0.014	12	0.84	33.459	63	01.3	23.57	57	01.3	F5	CZ	12324D	P -40 6585		
43	9.7E	9.8H	24 33.642	-0.0018	12	-40 59 28.35	-0.031	12	0.84	33.731	63	01.3	26.86	57	01.3	F5	CZ	12325D	P -40 6585		
44	9.5E	8.8Z	24 35.873	-0.0123	12	-45 44 18.26	-0.102	12	0.73	36.465	45	01.7	13.36	45	01.7	G5	CZ	12323	P -45 6852		
45	9.1E	8.0Z	24 53.204	-0.0007	12	-46 6 11.41	-0.012	12	0.73	53.236	45	01.7	10.86	45	01.7	K0	CZ	12327	P -45 6855		
46		9.3T	24 58.329	-0.0006	16	-47 7 38.83	-0.000	12	0.74	58.368	24	03.7	38.83	22	94.0	G5	GC	19492	C -46 9340		
47	10.2E	9.0Z	25 2.431	0.0024	12	-42 31 54.13	-0.056	12	0.66	2.310	28	99.5	51.29	26	99.5	K0	CZ	12328	P -42 6676		
48	9.7E	8.7Z	25 9.079	0.0017	12	-46 11 31.43	-0.020	12	0.73	8.996	45	01.7	30.49	45	01.7	A5	CZ	12329	P -45 6856		
49	8.9E	8.5Z	25 11.896	-0.0022	12	-45 38 57.33	-0.021	12	0.73	12.003	45	01.7	56.34	45	01.7	A3	CZ	12330	P -45 6857		
50		6.5T	25 34.029	-0.0014	10	-47 46 7.38	-0.013	08	0.41	34.088	15	08.2	6.80	15	05.8	B9	GC	19503	C -47 9162		
51	10.3E	9.3#	14 25 39.506	-0.0015	12	-45 20 15.38	-0.019	12	0.66	39.581	31	00.6	14.46	28	00.6	A2	CZ	12333	P -45 6860		
52	8.8E	8.3Z	25 40.726	-0.0010	12	-48 28 25.68	-0.034	12	0.65	40.777	31	01.4	24.05	28	01.4	F0	CZ	12332	P -48 6482		
53	9.7E	8.7Z	25 48.310	-0.0254	12	-46 31 14.31	0.139	12	0.72	49.524	45	02.3	20.96	45	02.3	G0	CZ	12336	P -46 6813		
54		8.2T	25 48.327	-0.0015	16	-44 55 29.22	-0.021	20	0.89	48.396	24	04.9	28.25	24	04.8	K5	GC	19507	C -44 9365		
55	9.8E	9.0Z	25 48.464	-0.0008	12	-46 5 50.60	-0.043	12	0.66	48.502	31	00.6	48.50	28	00.6	F5	CZ	12335	P -45 6861		
56	8.8E	9.2Z	25 49.058	-0.0002	12	-43 28 6.76	-0.002	12	0.73	49.066	45	01.0	6.67	45	01.0	B8	CZ	12338	P -43 6571		
57		9.5T	25 49.329	-0.0024	14	-47 9 57.72	-0.021	14	0.72	49.445	24	02.6	56.73	24	02.6	A0	GC	19508	C -46 9346		
58	9.2E	9.0Z	25 55.755	-0.0022	12	-43 8 20.74	-0.039	12	0.66	55.866	28	99.4	18.77	26	99.4	F2	CZ	12340	P -42 6686		
59		7.3T	26 1.822	0.0002	15	-49 53 12.43	-0.018	11	0.69	1.810	19	01.4	11.50	18	97.7	K2	GC	19515	C -49 8777		
60	9.4E	8.2Z	26 19.930	-0.0026	12	-43 33 26.57	-0.068	12	0.73	20.056	45	01.0	23.24	45	01.0	M8	CZ	12343	P -43 6574		
61		8.6T	26 21.243	0.0007	14	-47 0 19.39	-0.023	11	0.68	21.211	24	02.1	18.19	22	97.8	G5	GC	19523	C -46 9351		
62		9.5T	26 21.327	-0.0062	20	-41 13 54.14	-0.036	18	0.92	21.618	19	03.0	52.40	18	02.0	G0	GC	19524	C -40 8713		
63		8.1T	26 28.606	0.0028	17	-44 56 45.26	-0.031	17	0.84	28.474	19	02.0	43.73	19	01.5	F0	GC	19527	C -44 9375		
64	9.8E	9.4#	26 35.533	0.0014	12	-42 5 28.15	-0.005	12	0.65	35.463	28	00.0	27.89	26	00.0	A2	CZ	12349	P -41 6794		
65	10.2E	9.5Z	26 39.023	-0.0011	12	-44 52 53.21	-0.013	12	0.73	39.079	45	01.3	52.57	45	01.3	F0	CZ	12348	P -44 6805		
66	9.1E	8.7Z	26 40.665	0.0004	12	-42 20 3.26	-0.022	12	0.73	40.645	45	00.9	2.17	45	00.9	K0	CZ	12350	P -41 6796		
67	10.1E	9.0Z	26 41.130	-0.0022	12	-48 47 35.67	-0.027	12	0.72	41.235	45	02.4	34.37	45	02.4	K0	CZ	12347	P -48 6492		
68	8.4E	8.7Z	26 42.636	-0.0027	12	-42 17 45.00	-0.040	12	0.64	42.774	24	99.6	42.98	20	99.6	F5	CZ	12351	P -41 6797		
69		5.5T	26 54.392	-0.0044	07	-45 5 56.92	-0.043	05	0.29	54.572	14	09.2	54.93	12	03.7	B9	GC	19533K	C -44 9383		
70		7.0T	26 57.802	-0.0005	15	-43 38 28.87	-0.015	10	0.68	57.827	22	01.8	28.07	21	95.4	A2	GC	19536	C -43 9098		
71	9.8E	9.5Z	26 58.524	-0.0019	12	-43 19 29.10	-0.021	12	0.73	58.616	45	01.0	28.08	45	01.0	G5	CZ	12359	P -42 6691		
72		5.5T	27 0.290	-0.0053	07	-49 17 47.79	-0.050	06	0.30	0.510	14	08.6	45.44	12	02.5	A2	GC	19539K	C -48 9098		
73	9.9E	9.3Z	27 1.185	-0.0004	12	-46 20 44.93	-0.028	12	0.65	1.204	31	01.0	43.58	28	01.0	A2	CZ	12357	P -46 6821		
74	9.6E	9.0Z	27 1.247	-0.0045	12	-48 6 15.86	-0.045	12	0.65	1.469	31	01.0	13.67	28	01.0	F5	CZ	12356	P -47 6540		
75	8.9E	8.0Z	27 7.669	-0.0009	12	-49 9 2.28	-0.019	12	0.65	7.913	31	01.4	1.34	28	01.4	A0	CZ	12360	P -48 6500		
76	10.4E	9.0H	27 18.284	-0.0015	12	-40 15 14.30	-0.019	12	0.84	18.338	63	01.3	13.39	57	01.3	MA	CZ	12362D	P -39 6332		
77		7.5T	27 18.305	-0.0022	14	-40 15 15.79	-0.007	13	0.71	18.414	18	00.8	16.14	19	98.3	M0	GC	19543	C -39 8964		
78	10.1E	8.7Z	27 29.349	-0.0005	12	-45 38 12.29	-0.018	12	0.73	29.375	45	01.7	11.44	45	01.7	K0	CZ	12364	P -45 6870		
79	9.1E	9.0Z	27 33.733	-0.0007	12	-48 3 51.07	-0.015	12	0.67	33.766	36	02.3	50.37	36	02.3	A2	CZ	12365	P -47 6547		
80	10.1E	8.0Z	27 41.761	-0.0012	12	-48 27 37.69	-0.012	12	0.67	41.820	36	02.4	37.14	36	02.4	K2	CZ	12366	P -48 6505		
81	8.9E	8.0Z	27 42.344	0.0002	12	-48 36 52.30	-0.004	12	0.64	42.333	28	01.6	52.12	26	01.6	B9	CZ	12367	P -48 6506		
82		6.3T	27 47.938	-0.0028	22	-40 37 24.96	-0.001	22	1.10	48.076	19	00.8	24.91	19	02.5	K2	GC	19555	C -40 8729		
83		8.9T	27 49.429	-0.0154	22	-43 37 38.47	-0.038	22	1.08	50.154	19	03.0	36.69	19	02.5	G0	GC	19556	C -43 9114		
84	9.5E	8.5Z	27 55.463	0.0022	12	-47 18 30.36	0.000	12	0.67	55.356	36	02.3	30.38	36	02.3	F8	CZ	12370	P -46 6834		
85	8.9E	8.5Z	27 57.206	-0.0018	12	-48 3 59.26	-0.011	12	0.67	57.294	36	02.3	58.75	36	02.3	A0	CZ	12372	P -47 6549		
86		7.7T	28 0.964	-0.0018	13	-46 51 3.41	-0.019	10	0.64	1.057	19	99.3	2.38	18	95.3	B9	GC	19562	C -46 9380		
87		6.8T	28 3.256	-0.0041	13	-40 9 53.80	-0.013	12	0.67	3.464	19	99.3	53.11	18	97.1	K0	GC	19564	C -39 8971		
88		7.6T	28 5.981	-0.0015	17	-40 26 4.74	-0.038	14	0.78	6.053	17	02.0	2.81	17	99.5	A2	GC	19566	C -40 8735		
89		7.3T	28 11.092	-0.0086	16	-47 30 33.68	0.081	12	0.72	11.410	19	01.9	37.82	18	98.9	K0	GC	19570	C -47 9190		
90	10.0E	9.2H	28 12.861	0.0018	12	-45 29 37.23	-0.004	12	0.68	12.776	36	01.9	37.06	36	01.9	G5	CZ	12378	P -45 6873		
91	9.5E	9.5H	28 17.171	-0.0042	12	-40 22 29.22	-0.039	12	0.84	17.377	63	01.3	27.34	57	01.3	F8	CZ	12382	P -40 6607		
92	9.1E	8.9#	28 19.559	-0.0015	12	-44 31 46.00	-0.026	12	0.64	19.634	28	01.1	44.72	26	01.1	F5	CZ	12381	P -44 6823		
93	10.7E	9.6#	28 25.381	-0.0024	12	-49 12 39.94	-0.009	12	0.66	25.499	31	01.0	59.49	31	01.0		CZ	12380	P -48 6510		
94	8.6E	9.0Z	28 25.892	-0.0001	12	-42 11 25.32	-0.004	12	0.65	25.897	26	00.1	25.31	24	00.1	F2	CZ	12384	P -41 6809		
95	9.1E	8.2Z	28 27.276	-0.0059	12	-45 38 52.58	-0.060	12	0.68	27.561	36	01.9	49.72	36	01.9	G5	CZ	12383	P -45 6875		
96		8.0T	28 30.103	-0.0074	13	-42 52 1.44	-0.050	13	0.70	30.474	18	99.7	-58.81	17	97.8	F8	GC	19575	C -42 9398		
97		7.1T	28 32.999	-0.0014	14	-44 35 9.24	-0.013	12	0.68	33.066	22	02.6	8.55	21	98.5	K0	GC	19576	C -44 9406		
98		8.8T	28 34.554	-0.0010	22	-45 2 50.90	-0.048	26	1.05	34.598	24	06.7	48.96	22	07.8	F0	GC	19578K	C# -44 9405		
99	8.9E	7.5Z	28 41.700	-0.0010	12	-48 37 42.48	-0.005	12	0.67	41.747	36	02.4	42.24	36	02.4	G5	CZ	12389	P -48 6513		
00	10.2E	9.7Z	28 47.302	0.0007	12	-48 50 46.13	-0.021	12	0.67	47.269	36	02.4	45.12	36	02.4	F8	CZ	12390	P -48 6516		

225000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.8E	8.5Z	14 28 48.214	-0.0032	12	-45 52 44.12	-0.017	12	0.68	48.366	36	01.9	43.32	36	01.9	A5	CZ	12382	P -45 6879
2		8.6T	28 49.234	0.0004	20	-45 13 24.53	-0.032	20	0.93	49.216	21	03.5	23.05	19	03.5	G5	GC	19580	C#-44 9408
3	9.8M	8.5Z	28 5.041	-0.0084	12	-47 31 52.34	-0.017	12	0.67	5.157	36	02.3	51.75	36	02.3	G5	CZ	12385	P -47 6559
4	9.8M	8.5Z	28 20.181	-0.0030	12	-47 17 27.51	-0.005	12	0.65	20.386	31	01.0	27.28	28	01.0	K0	CZ	12387	P -46 6648
5	9.7E	8.5Z	28 27.659	-0.0002	12	-44 21 3.04	-0.027	12	0.72	27.670	45	02.3	1.74	45	02.3	A3	CZ	12388	P -44 6834
6	9.9E	9.5Z	28 28.953	-0.0013	12	-41 19 21.22	-0.010	12	0.66	29.019	28	99.7	20.73	26	99.7	F5	CZ	12401	P -40 6815
7		8.5T	28 31.732	-0.0016	20	-44 53 10.09	-0.020	20	0.91	31.825	24	03.2	9.17	24	03.2	K0	GC	19594	C -44 9421
8	8.8M	8.5Z	28 33.585	-0.0005	12	-46 28 54.05	-0.044	12	0.72	33.483	45	02.3	51.97	45	02.3	G0	CZ	12400	P -46 6854
9	9.8M	8.5Z	28 33.840	-0.0015	12	-46 58 52.15	-0.010	12	0.65	33.916	31	01.0	51.68	28	01.0	B9	CZ	12398	P -46 6853
10	9.7E	8.5Z	28 40.851	-0.0012	12	-46 49 54.25	-0.025	12	0.72	40.711	45	02.3	53.07	45	02.3	A0	CZ	12402	P -46 6855
11		8.0T	28 46.118	-0.0023	20	-42 11 7.85	-0.034	13	0.80	46.219	24	05.7	6.07	24	02.7	A3	GC	19601	C -41 9884
12	10.0E	8.5Z	30 1.901	-0.0011	12	-49 40 8.93	-0.022	12	0.72	1.955	45	02.4	7.87	45	02.4	G5	CZ	12405	P -49 7085
13	9.6E	8.5Z	30 5.611	-0.0035	12	-49 10 24.87	-0.025	12	0.84	2.440	63	01.3	23.75	57	01.3	F8	CZ	12412D	P#-49 7080
14	8.8E	8.5Z	30 5.196	-0.0003	12	-48 53 16.66	-0.012	12	0.65	3.200	31	01.4	16.08	28	01.4	B9	CZ	12406	P -48 6530
15	10.0E	9.0Z	30 7.159	-0.0011	12	-47 44 1.68	-0.015	12	0.65	7.215	31	01.0	0.98	28	01.0	K2	CZ	12411	P -47 6506
16	10.2E	9.9R	30 8.436	-0.0014	12	-49 48 48.36	-0.070	12	0.70	8.509	36	99.4	47.40	36	99.4		CZ	12408	P#-49 7081
17	10.0E	9.7R	30 14.678	-0.0001	12	-48 14 20.93	-0.004	12	0.65	14.684	31	01.4	20.75	28	01.4	A0	CZ	12413	P -47 6568
18	10.0E	9.0Z	30 16.085	0.0004	12	-44 48 54.11	-0.016	12	0.72	16.006	45	02.3	53.53	45	02.3	K0	CZ	12415	P -44 6839
19	9.8E	9.0Z	30 26.977	0.0016	12	-43 47 44.36	-0.009	12	0.73	26.901	45	02.0	43.93	45	02.0	F8	CZ	12418	P -43 6804
20	8.7E	8.7Z	30 30.045	-0.0000	12	-46 32 24.30	-0.020	12	0.72	30.046	45	02.3	23.36	45	02.3	A0	CZ	12417	P -46 6661
21	9.9E	8.9Z	30 31.597	-0.0001	12	-40 30 31.93	-0.013	12	0.67	31.601	28	98.9	31.26	26	98.9	F0	CZ	12420	P -40 6821
22		7.5T	30 34.923	-0.0034	12	-46 14 42.96	-0.043	10	0.63	35.099	18	98.6	40.60	18	95.0	G5	GC	19618	C -45 9262
23		8.9T	30 44.727	-0.0067	16	-46 12 51.66	-0.018	13	0.77	45.027	24	05.4	50.81	24	02.4	K0	GC	19622	C -45 9284
24	10.2E	9.5Z	30 47.435	0.0000	12	-48 50 14.88	-0.005	12	0.72	47.434	45	02.4	14.64	45	02.4	A0	CZ	12421	P -48 6551
25	9.8E	9.6R	30 51.440	-0.0051	12	-45 18 35.21	0.003	12	0.73	51.686	45	01.7	35.37	45	01.7	F8	CZ	12423	P -44 6844
26	9.9E	9.0Z	30 52.870	-0.0018	12	-41 56 30.77	-0.009	12	0.73	52.956	45	01.3	30.35	45	01.3	A5	CZ	12424	P -41 6829
27		6.8T	30 57.145	-0.0016	08	-41 52 49.30	-0.033	06	0.37	57.217	14	04.3	47.86	12	00.1	A2	GC	19628	C -41 9890
28	10.0E	9.3R	31 6.813	-0.0067	12	-44 26 57.93	-0.062	12	0.65	7.141	31	01.0	54.87	28	01.0	F8	CZ	12426	P -44 6848
29	8.7E	8.5R	31 8.042	-0.0010	12	-44 4 58.49	-0.033	12	0.65	8.092	28	00.4	56.83	26	00.4	F5	CZ	12427	P -43 6805
30	9.4E	9.0Z	31 8.859	0.0004	12	-42 57 41.85	-0.014	12	0.66	8.841	28	99.6	41.14	26	99.6	A0	CZ	12428	P -42 6713
31		7.8T	31 16.689	-0.0009	12	-46 5 9.18	-0.037	10	0.62	16.738	18	98.2	7.12	15	94.0	A0	GC	19635	C -45 9289
32	10.3E	9.0Z	31 22.781	-0.0004	12	-49 20 14.06	-0.005	12	0.72	22.800	45	02.4	13.80	45	02.4	K0	CZ	12430	P -49 7116
33	9.8E	8.5Z	31 28.016	0.0067	12	-43 48 35.44	-0.014	12	0.73	27.684	45	02.0	34.74	45	02.0	K0	CZ	12432	P -43 6809
34	9.9E	9.2Z	31 30.402	0.0005	12	-48 37 5.51	0.002	12	0.72	30.377	45	02.4	5.62	45	02.4	A0	CZ	12431	P -48 6558
35	9.9E	9.0Z	31 33.405	-0.0012	12	-45 56 40.61	-0.041	12	0.73	33.465	45	01.7	38.65	45	01.7	F5	CZ	12434D	P#-45 6902
36		8.8T	31 44.561	0.0013	17	-45 7 53.73	0.007	16	0.81	44.498	19	02.1	54.07	19	01.7	A3	GC	19642K	C#-44 9450
37	9.9E	9.5Z	31 51.845	0.0002	12	-42 56 3.91	-0.011	12	0.73	51.237	45	00.9	3.36	45	00.9	A0	CZ	12437	P -42 6715
38	7.9E	8.5Z	31 52.409	-0.0017	12	-43 20 9.70	-0.034	12	0.65	52.495	28	00.4	8.02	26	00.4	A2	CZ	12436	P -43 6811
39		7.0T	31 53.418	-0.0026	11	-46 14 37.06	-0.014	10	0.60	53.554	21	98.1	36.29	21	94.7	B9	GC	19648	C -45 9276
40	9.4E	8.7Z	31 54.371	-0.0077	12	-42 15 3.31	0.000	12	0.73	54.747	45	00.9	3.33	45	00.9	K0	CZ	12439	P -41 6836
41		9.0T	32 6.807	0.0019	12	-45 5 19.14	0.002	11	0.63	6.711	22	99.9	19.25	22	97.9	G5	GC	19652	C -44 9455
42		9.0T	32 7.799	-0.0076	20	-45 1 5.14	-0.058	22	0.95	8.132	24	06.0	2.62	22	06.5	K0	GC	19653	C -44 9456
43	8.7E	8.2Z	32 10.430	-0.0087	12	-45 46 19.32	-0.009	12	0.66	10.862	31	00.6	18.89	28	00.6	F5	CZ	12442D	P#-45 6910
44		2.6M	32 19.306	-0.0032	02	-41 56 21.77	-0.035	02	0.10	19.419	05	14.7	20.47	05	13.3	+++	F4	537	C -41 9917
45	9.0E	9.5Z	32 19.567	-0.0014	12	-44 13 53.12	-0.022	12	0.72	19.653	45	02.3	52.05	45	02.3	A0	CZ	12444	P -43 6815
46		5.8T	32 21.145	-0.0019	07	-41 17 56.89	-0.021	06	0.29	21.225	09	07.4	55.92	09	05.0	B8	GC	19657K	C -40 8794
47	8.9E	9.0Z	32 26.110	-0.0009	12	-41 58 6.87	-0.026	12	0.73	26.152	45	01.3	5.62	45	01.3	A0	CZ	12452	P -41 6840
48		8.1T	32 29.005	-0.0067	14	-45 24 2.44	-0.027	11	0.68	29.330	22	01.5	1.01	21	96.9	G0	GC	19656	C -45 9285
49		6.7T	32 32.220	-0.0005	15	-46 35 52.64	-0.021	11	0.69	32.245	19	01.1	51.53	18	97.0	K0	GC	19661	C -46 9431
50	8.4E	8.5Z	32 32.927	-0.0038	12	-42 37 0.72	-0.019	12	0.65	33.117	26	99.5	-59.74	24	99.5	F5	CZ	12454	P -42 6721
51	9.4E	9.0Z	14 32 33.302	-0.0042	12	-46 51 21.48	-0.033	12	0.67	33.503	36	02.3	19.93	36	02.3	F8	CZ	12453	P -46 6872
52	8.7E	9.3Z	32 39.154	-0.0008	12	-46 13 39.07	-0.022	12	0.67	39.194	36	02.3	38.04	36	02.3	B8	CZ	12455	P -45 6918
53	9.2E	9.0Z	32 51.238	-0.0010	12	-41 7 31.19	-0.062	12	0.84	51.286	63	01.3	27.88	57	01.3	F0	CZ	12459	P -40 6838
54		5.4T	33 1.934	-0.0037	07	-46 1 41.62	0.016	05	0.29	2.001	14	10.4	42.37	12	03.7	K2	GC	19669K	C -45 9293
55	10.2E	9.3R	33 2.767	-0.0080	12	-43 46 25.91	-0.145	12	0.64	3.214	26	00.4	18.70	24	00.4	G8	CZ	12461	P -43 6819
56	9.8E	9.5Z	33 18.197	-0.0034	12	-49 34 1.85	-0.010	12	0.67	18.361	36	02.4	1.37	36	02.4	F0	CZ	12462	P -49 7145
57	10.0E	8.8Z	33 39.292	-0.0030	12	-41 45 28.33	-0.043	12	0.73	39.436	45	01.3	26.23	45	01.3	F5	CZ	12466	P -41 6845
58	9.8E	9.0Z	33 44.778	0.0029	12	-46 53 48.75	-0.025	12	0.67	44.640	36	02.3	47.56	36	02.3	K0	CZ	12465	P -46 6862
59	9.4E	9.0Z	33 45.985	-0.0006	12	-45 39 35.34	-0.006	12	0.68	46.013	36	01.6	34.95	36	01.6	A0	CZ	12467	P -45 6923
60	9.0E	9.0Z	33 49.715	-0.0018	12	-46 47 54.58	0.003	12	0.67	49.801	36	02.3	54.72	36	02.3	A0	CZ	12468	P -46 6883
61	10.4E	9.0Z	33 54.615	-0.0008	12	-48 1 59.64	-0.001	12	0.64	54.653	28	01.3	59.58	26	01.3	K5	CZ	12469	P -47 6593
62		5.4T	34 2.921	-0.0014	08	-45 55 0.95	-0.023	05	0.32	2.979	14	09.3	-59.85	12	02.1	K0	GC	19689K	C#-45 9302
63		9.2T	34 3.567	-0.0031	28	-45 54 43.96	-0.048	22	1.10	3.707	24	05.6	41.80	24	04.9	A	GC	19690K	C -45 9303
64	10.3E	9.0R	34 5.187	-0.0001	12	-41 5 46.20	-0.015	12	0.66	5.190	28	99.0	45.46	26	99.0	F5	CZ	12476	P -40 6641
65	9.7E	8.7Z	34 7.746	-0.0071	12	-43 9 55.99	-0.101	12	0.73	8.097	45	00.9	51.05	45	00.9	K0	CZ	12478	P -42 6728
66	9.4E	8.5Z	34 13.850	0.0007	12	-40 34 23.27	-0.029	12	0.66	13.812	28	99.1	21.77	26	99.1	K0	CZ	12481	P -40 6642
67	8.8E	7.5Z	34 14.747	-0.0041	12	-49 52 6.33	-0.054	12	0.72	14.943	45	02.4	3.77	45	02.4	G5	CZ	12474	P -49 7162
68	9.7E	9.2Z	34 16.790	0.0000	12	-49 21 17.68	-0.001	12	0.72	16.788	45	02.4	17.65	45	02.4	A0	CZ	12475	P -49 7164
69	9.8E	10.0Z	34 18.174	0.0002	12	-43 27 19.15	-0.018	12	0.73	18.167	45	02.0	18.30	45	02.0	A0	CZ	12482	P -43 6626
70		6.6T	34 23.554	0.0000	09	-42 53 42.01	0.002	07	0.40	23.552	15	05.6	42.12	14	02.6	K0	GC	19696	C -42 9493
71		4.1T	34 30.805	-0.0031	06	-49 12 32.69	-0.022	04	0.25	30.740	10	06.1	31.64	09	01.3	B5	GC	19698	C#-48 9198
72	9.8E	10.0Z	34 31.017	-0.0006	12	-44 59 10.16	-0.004	12	0.72	31.046	45	02.3	9.98	45	02.3	A0	CZ	12486	P -44 6868
73		6.7T	34 34.579	-0.0011	14	-47 48 26.43	-0.023	10	0.65	34.632	19	00.9	25.19	19	96.3	B9	GC	19700	C -47 9279
74	9.0E	8.5Z	34 42.254	-0.0035	12	-48 35 36.71	-0.024	12	0.72	42.423	45	02.4	35.56	45	02.4	F2	CZ	12487	P -48 6616
75	9.8E	9.0Z	34 44.025	-0.0009	12	-47 57 42.42	-0.020	12	0.72	44.067	45	02.3	41.46	45	02.3	A5	CZ	12488	P -47 6600
76	10.0E	9.6Z	34 47.164	-0.0030	12	-46 39 50.36	-0.009	12	0.72	47.307	45	02.3	49.92	45	02.3	A5	CZ	12489	P -46 6809
77	9.0E	8.5Z	34 53.333	0.0024	12	-47 9 59.67	-0.024	12	0.65	53.215	31	01.0	58.49	28	01.0	F2	CZ	12491	P -46 6880
78		6.6T	34 53.935	-0.0049	10	-49 41 5.91	-0.016	08	0.42	54.138	15	08.8	5.21	15	05.3	A0	GC	19702	C#-49 9904
79		6.8T	34 56.088	0.0037	13	-45 39 19.65	-0.063	11	0.65	55.910	19	01.8	16.29	21	96.7	K0	GC	19703	C#-45 9312
80	10.7E	9.7R	35 1.684	-0.0005	12	-48 19 6.44	-0.001	12	0.65	1.707	31	01.4	6.38	28	01.4	A2	CZ	12493	P -47 6603
81	9.1E	9.5Z	35 5.867	-0.0006	12	-45 5 50.57	-0.009	12	0.65	5.695	31	01.0	50.14	28	01.0	A0	CZ	12495	P -44 6873
82	10.2E	9.2Z	35 16.895	-0.0001	12	-49 41 34.85	-0.017	12	0.72	16.900	45	02.4	34.06	45	02.4	A2	CZ	12496	P -49 7187
83	7.7E	8.0Z	35 22.837	-0.0002	12	-43 9 5.99	-0.015	12	0.73	22.846	45	00.9	5.27	45	00.9	A0	CZ	12500	P -42 6735
84	9.7E	9.0Z	35 27.690	-0.0008	12	-48 10 57.56	0.001	12	0.72	27.728	45	02.3	57.60	45	02.3	A3	CZ	12498	P -47 6609
85	10.0E	9.6Z	35 29.693	-0.0006	12	-46 27 0.55	-0.001	12	0.72	29.723	45	02.3	0.50	45	02.3	B9	CZ	12501	P -46 6895
86	10.1E	9.0Z	35 30.551	0.0013	12	-48 52 51.33	-0.007	12	0.72	30.467	45	02.4	51.01	45	02.4	F8	CZ	12499	P -48 6623
87	9.8E	10.0Z	35 34.297	-0.0006	12	-41 38 57.78	-0.027	12	0.65	34.326	28	99.9	56.45	26	99.9	A5	CZ	12503	P -41 6857
88		6.7T	35 35.573	-0.0029	15	-42 47 6.97	-0.030	12	0.72	35.716	18	99.8	5.37	17	96.2	G5	GC	19721	C -42 9514
89		6.2T	35 53.488	-0.0177	09	-46 21 57.96	-0.213	06	0.36	54.240	15	06.5	47.06	14	98.8	F8	GC	19725	C -46 9469
90	9.7E	9.5Z	36 1.167	-0.0052	12	-41 44 6.11	-0.020	12	0.73	1.418	45	01.3	5.13	45	01.3	G0	CZ	12508	P -41 6860
91		6.5T	36 3.054	-0.0169	13	-48 50 18.94	-0.134	10	0.65	3.891	22	00.4	11.62	21	95.2	F2	GC	19727	C -48 9218
92	9.3E	9.0H	36 5.773	-0.0023	12	-40 16 55.43	-0.067	12	0.84	5.683	63	01.3	52.19	57	01.3	F8	CZ	12509	P -39 6389
93	9.8E	9.6Z	36 10.051	-0.0004	12	-42 32 51.75	-0.018	12	0.73	10.068	45	00.9	50.86	45	00.9	A0	CZ	12511	P -42 6740
94	9.0E	9.0Z	36 10.835	-0.0017	12	-43 50 6.44	0.008	12	0.65	10.920	28	00.3	6.84	26	00.3	F5	CZ	12510	P -43 6635
95		8.2T	36 18.467	-0.0009	20	-46 5 3.60	-0.010	15	0.85	18.510	21	03.5	3.12	19	01.9	K0	GC	19731	C -45 9327
96	10.0E	9.7Z	36 23.875	0.0009	12	-47 29 35.25	-0.001	12	0.65	23.831	31	01.0	35.20	28	01.0	A3	CZ	12513	P -47 6617
97	9.6E	9.5Z	36 39.563	-0.0004	12	-41 11 48.99	-0.005	12	0.84	39.581	63	01.3	48.77	57	01.3	A0	CZ	12518	P -40 6651
98		8.2T	36 43.947	-0.0029	18	-45 31 43.71	0.004	20	0.89	44.078	24	05.0	43.69	24	04.9	A0	GC	19743	C -45 9332
99	9.1E	8.5Z	36 44.113	-0.0008	12	-43 13 53.56	-0.006	12	0.73	44.154	45	02.0	53.28	45	02.0	K0	CZ	12519	P -42 6746
00	9.4E	8.7Z	36 51.138	-0.0010	12	-49 51 25.93	-0.009	12	0.72	51.186	45	02.4	25.30	45	02.4	B9	CZ	12517	P -49 7217

225100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 14H DM NUMBER
1	8.4E	8.2Z	14 36 54.522	-0.0016	12	-40 41 9.76	-0.039	12	0.84	54.597	63	01.3	7.88	57	01.3	A2	CZ	12523	P -40 6652
2		7.9T	36 55.676	0.0003	18	-45 19 54.11	-0.048	18	0.88	55.661	19	02.8	51.85	19	02.8	F8	GC	19746	C -45 9336
3	10.1E	9.0Z	36 56.215	-0.0028	12	-49 32 45.41	-0.027	12	0.72	56.349	45	02.4	44.14	45	02.4	G0	CZ	12520	P -49 7218
4		6.7T	37 2.054	-0.0004	12	-45 34 46.17	-0.041	09	0.61	2.076	22	99.6	43.88	21	93.9	A0P	GC	19748K	C -45 9337
5	10.4E	9.5Z	37 7.142	0.0004	12	-48 58 46.88	-0.014	12	0.72	7.122	45	02.4	46.23	45	02.4	A0	CZ	12524	P -48 6653
6		6.8T	37 7.169	-0.0028	12	-40 37 38.50	-0.040	10	0.61	7.308	18	99.8	36.26	19	94.5	B9	GC	19750K	C*-40 8860
7	9.6E	9.0Z	37 12.585	0.0009	12	-49 21 51.33	-0.001	12	0.65	12.540	31	01.4	51.30	28	01.4	F8	CZ	12526	P -49 7228
8	10.2E	9.6Z	37 14.289	0.0013	12	-48 59 35.59	-0.002	12	0.72	14.226	45	02.4	35.50	45	02.4	A0	CZ	12527	P -48 6654
9	10.3E	9.0Z	37 18.931	0.0020	12	-42 27 14.34	-0.043	12	0.73	18.831	45	00.9	12.23	45	00.9	G0	CZ	12529	P -42 6748
10	10.3E	9.0Z	37 19.861	0.0015	12	-42 27 19.64	-0.050	12	0.73	19.786	45	00.9	17.18	45	00.9	G0	CZ	12530	P -42 6748
11		7.5T	37 20.754	0.0007	10	-40 23 37.77	-0.010	08	0.43	20.724	15	07.8	37.29	14	04.5	A0	GC	19753	C -40 8864
12	9.8E	9.2*	37 21.657	-0.0016	12	-44 23 11.31	-0.014	12	0.65	21.736	31	01.0	10.83	28	01.0	A0	CZ	12531	P -44 6894
13	8.7E	8.7Z	37 25.144	0.0018	12	-43 9 28.54	-0.015	12	0.73	25.058	45	00.9	27.82	45	00.9	A0	CZ	12533	P -42 6749
14	9.1E	7.3Z	37 29.814	-0.0010	12	-41 59 53.36	-0.005	12	0.65	29.863	28	99.8	53.31	26	99.8	MA	CZ	12534	P -41 6869
15	9.5E	9.5Z	37 32.825	-0.0013	12	-42 34 15.21	-0.029	12	0.73	32.886	45	00.9	13.79	45	00.9	G0	CZ	12535	P -42 6753
16	9.8E	9.5Z	37 44.074	-0.0022	12	-43 28 54.62	-0.033	12	0.73	44.182	45	02.0	53.05	45	02.0	F5	CZ	12537	P -43 6644
17	9.9E	9.3Z	37 48.182	-0.0022	12	-41 45 26.94	-0.010	12	0.73	48.288	45	01.3	26.45	45	01.3	F2	CZ	12540	P -41 6872
18	9.8E	9.0Z	37 49.457	-0.0020	12	-47 29 3.01	-0.018	12	0.66	49.550	36	03.7	2.18	36	03.7	A2	CZ	12536	P -47 6630
19	9.6E	8.5Z	37 50.898	-0.0015	12	-43 12 40.14	-0.015	12	0.73	50.972	45	02.0	39.43	45	02.0	K2	CZ	12541	P -42 6756
20	10.5E	9.6*	37 52.202	0.0010	12	-44 59 30.56	-0.021	12	0.64	52.154	28	01.3	29.55	26	01.3		CZ	12539	P -44 6898
21	8.5E	9.0Z	38 7.488	-0.0005	12	-47 13 54.09	-0.014	12	0.66	7.511	36	03.7	53.45	36	03.7	B8	CZ	12542	P -46 6919
22	9.6E	8.3Z	38 16.904	-0.0050	12	-41 11 2.82	-0.046	12	0.84	17.145	63	01.3	0.61	57	01.3	G0	CZ	12544	P -40 6660
23	8.9E	8.5Z	38 19.893	-0.0037	12	-47 44 26.39	-0.023	12	0.66	20.063	36	03.7	25.32	36	03.7	A2	CZ	12543	P -47 6636
24	8.8E	8.7Z	38 26.103	-0.0010	12	-44 1 43.01	0.003	12	0.64	26.152	26	00.9	43.16	24	00.9	F0	CZ	12546D	P*-43 6650
25	9.1E	9.0Z	38 27.242	0.0048	12	-42 14 29.20	-0.034	12	0.65	27.000	26	99.9	27.49	24	99.9	F8	CZ	12547	P -41 6876
26		7.3T	38 30.010	0.0056	17	-47 3 41.60	-0.027	13	0.75	29.754	24	04.1	40.29	22	01.3	M0	GC	19773	C -46 9500
27	9.1E	9.0Z	38 31.440	-0.0045	12	-43 43 5.91	0.081	12	0.68	31.656	36	02.1	9.80	36	02.1	F5	CZ	12550	P -43 6652
28		2.9H	38 35.530	-0.0017	02	-47 10 29.32	-0.020	02	0.10	35.591	05	14.8	28.58	05	12.5	B2	F4	541	C -46 9501
29	9.8E	9.5Z	38 36.450	-0.0001	12	-44 17 5.32	-0.005	12	0.67	36.455	36	02.3	5.09	36	02.3	A0	CZ	12551	P -43 6653
30	9.7E	9.5Z	38 37.138	-0.0031	12	-42 11 21.41	-0.031	12	0.73	37.285	45	01.8	19.92	45	01.8	A2	CZ	12552	P -41 6877
31	9.6E	10.0H	38 42.627	-0.0015	12	-40 23 15.22	-0.021	12	0.84	42.698	63	01.3	14.22	57	01.3	B9	CZ	12554	P -40 6668
32		7.7T	38 43.812	-0.0022	13	-46 5 5.84	-0.011	10	0.64	43.924	19	99.6	5.23	17	94.5	A0	GC	19776	C -45 9355
33		6.8T	38 55.780	-0.0002	13	-42 34 32.72	-0.033	10	0.65	55.792	21	99.3	30.87	19	93.2	G5	GC	19781	C -42 9569
34	7.8E	8.0Z	38 55.794	0.0003	12	-42 34 34.13	-0.052	12	0.73	55.779	45	00.9	31.58	45	00.9	G5	CZ	12555	P -42 6765
35	9.7E	9.2Z	38 57.344	-0.0024	12	-41 26 54.69	-0.021	12	0.65	57.462	28	00.0	53.66	26	00.0	K0	CZ	12556	P -41 6879
36	9.3E	8.5Z	39 13.556	-0.0011	12	-46 32 22.64	-0.012	12	0.72	13.608	45	02.9	22.07	45	02.9	K2	CZ	12557	P -46 6939
37	9.4E	9.5Z	39 17.267	-0.0003	12	-42 14 24.47	-0.002	12	0.73	17.280	45	00.9	24.38	45	00.9	A2	CZ	12561	P -41 6881
38	9.3E	8.5Z	39 19.130	0.0080	12	-49 2 14.49	0.006	12	0.63	18.749	28	02.6	14.79	26	02.6	G0	CZ	12558	P -48 6691
39	8.7E	8.5Z	39 19.258	-0.0015	12	-48 56 3.42	-0.006	12	0.64	19.326	31	03.4	3.15	31	03.4	A0	CZ	12559	P -48 6692
40	8.6E	8.3Z	39 20.864	-0.0033	12	-48 35 12.23	-0.046	12	0.64	21.023	31	02.7	10.05	28	02.7	F8	CZ	12560	P -48 6695
41	9.5E	9.5Z	39 21.800	-0.0044	12	-43 57 55.85	-0.020	12	0.73	22.014	45	01.4	54.88	45	01.4	F5	CZ	12563	P -43 6662
42		8.4T	39 31.260	-0.0030	17	-45 23 6.92	-0.010	17	0.82	31.399	24	03.6	6.45	22	02.9	F5	GC	19797	C*-45 9366
43	8.9E	8.5Z	39 37.083	0.0002	12	-48 33 53.14	-0.005	12	0.70	37.075	45	04.3	52.90	45	04.3	A0	CZ	12565	P -48 6698
44	10.3E	8.6Z	39 46.006	-0.0125	12	-40 24 48.63	-0.080	12	0.67	46.643	28	98.9	44.57	26	98.9	K0	GC	12569	P -40 6677
45		7.2T	39 54.435	0.0003	13	-47 21 30.46	-0.014	10	0.64	54.420	15	99.3	29.70	15	94.9	B8	GC	19804	C -47 9355
46		8.5T	40 8.871	0.0009	15	-46 24 36.47	-0.022	11	0.70	8.829	22	02.0	35.30	21	96.6	K0	GC	19810K	C*-46 9524
47	8.2E	8.5Z	40 10.131	-0.0007	12	-40 48 44.72	0.011	12	0.84	10.163	63	01.3	45.28	57	01.3	F5	CZ	12577	P -40 6681
48	9.3E	8.3Z	40 13.160	-0.0008	12	-46 12 54.76	0.007	12	0.66	13.200	31	00.9	55.11	31	00.9	K2	CZ	12575	P -45 6981
49	9.4E	8.5Z	40 39.957	0.0002	12	-47 53 50.40	-0.009	12	0.64	39.946	31	02.3	49.97	28	02.3	A2	CZ	12582	P -47 6655
50	10.2E	9.5Z	40 46.975	-0.0025	12	-43 5 25.94	-0.021	12	0.66	47.103	28	99.7	24.89	26	99.7	A5	CZ	12584	P -42 6774
51	9.9E	9.0Z	14 40 52.940	-0.0018	12	-40 46 39.74	-0.012	12	0.84	53.025	63	01.3	39.18	57	01.3	G5	CZ	12586	P -40 6686
52	9.2E	9.0Z	41 9.672	-0.0081	12	-44 29 48.02	-0.007	12	0.73	10.063	45	01.7	47.68	45	01.7	G0	CZ	12587	P -44 6933
53	9.8E	8.9Z	41 15.758	-0.0030	12	-42 7 49.47	-0.029	12	0.73	15.902	45	01.3	48.06	45	01.3	F8	CZ	12589	P -41 6894
54	10.3E	9.5Z	41 19.782	-0.0049	12	-49 45 25.67	-0.020	12	0.65	20.021	31	01.3	24.70	28	01.3	K2	CZ	12588	P -49 7330
55	9.9E	9.5Z	41 22.806	-0.0007	12	-41 26 19.71	-0.021	12	0.73	22.839	45	01.3	18.71	45	01.3	F5	CZ	12593	P -41 6895
56	10.3E	9.3*	41 26.242	-0.0016	12	-48 2 54.78	-0.014	12	0.64	26.318	31	02.3	54.11	28	02.3	A0	CZ	12591	P -47 6662
57	10.6E	9.0Z	41 33.534	-0.0019	12	-41 31 51.89	-0.012	12	0.65	33.628	28	99.8	51.31	26	99.8	M8	CZ	12594	P -41 6899
58	10.0E	8.5Z	41 36.614	0.0001	12	-40 49 29.81	-0.010	12	0.84	36.607	63	01.3	29.35	57	01.3	K0	CZ	12597	P -40 6691
59	8.2E	8.0Z	41 42.999	0.0008	12	-44 27 15.40	-0.024	12	0.73	42.961	45	01.7	14.24	45	01.7	G5	CZ	12599	P -44 6937
60	10.0E	9.5Z	41 47.209	-0.0009	12	-47 4 26.11	-0.007	12	0.65	47.253	31	01.4	25.77	28	01.4	A2	CZ	12600	P -46 6974
61	8.9E	8.0Z	41 47.608	-0.0698	12	-49 42 1.08	-0.385	12	0.72	50.937	45	02.3	-42.74	45	02.3	K0	CZ	12598	P -49 7339
62	9.9E	9.0Z	41 51.411	-0.0020	12	-41 56 4.41	-0.021	12	0.73	51.507	45	01.3	3.39	45	01.3	G0	CZ	12602	P -41 6902
63	10.6E	9.5*	41 52.887	-0.0019	12	-49 6 31.68	-0.008	12	0.64	52.975	31	02.7	31.32	28	02.7		CZ	12601	P -48 6732
64	9.6E	9.5H	41 57.132	-0.0018	12	-45 12 53.47	-0.007	12	0.65	57.219	31	01.0	53.12	28	01.0	A2	CZ	12603	P -44 6941
65	9.9E	9.0Z	42 2.622	-0.0028	12	-46 53 31.04	0.021	12	0.72	2.754	45	02.9	32.03	45	02.9	G5	CZ	12604	P -46 6976
66	9.4E	9.0Z	42 3.154	-0.0015	12	-42 31 47.22	-0.019	12	0.66	3.228	28	99.7	46.26	26	99.7	A2	CZ	12605	P -42 6786
67	9.2E	9.5Z	42 6.987	-0.0010	12	-44 8 43.06	-0.005	12	0.65	7.037	28	99.9	42.81	26	99.9	B9	CZ	12607	P -43 6684
68		9.4T	42 8.812	-0.0006	18	-45 27 18.08	-0.015	18	0.87	8.838	24	04.4	17.39	22	03.7	A0	GC	19847	C*-45 9393
69	9.7E	8.5Z	42 15.943	-0.0014	12	-47 29 6.83	-0.011	12	0.70	16.007	45	04.3	6.32	45	04.3	G5	GC	12608	P -47 6675
70		9.0T	42 25.864	-0.0100	26	-46 35 35.23	-0.029	26	1.21	26.332	24	03.2	33.90	22	04.0	F2	GC	19850	C -46 9556
71		8.8T	42 27.670	-0.0155	12	-45 40 13.31	-0.068	11	0.64	28.446	19	00.0	9.78	19	98.1	G0	GC	19851	C -45 9398
72	9.8E	9.0H	42 29.589	-0.0003	12	-41 2 33.30	0.003	12	0.67	29.602	31	99.4	33.47	28	99.4	G5	CZ	12612	P -40 6694
73	9.6E	9.4Z	42 39.659	-0.0012	12	-49 54 38.33	-0.016	12	0.72	39.716	45	02.3	37.58	45	02.3	B9	CZ	12611	P -49 7346
74		6.9T	42 40.436	-0.0020	11	-44 39 26.38	-0.038	08	0.42	40.518	15	09.1	24.69	15	05.3	B9	GC	19854K	C -44 9590
75	8.7E	8.0Z	42 42.127	-0.0000	12	-43 5 44.49	-0.004	12	0.73	42.130	45	00.9	44.31	45	00.9	K5	CZ	12614	P -42 6792
76	9.9E	8.5Z	42 54.207	-0.0009	12	-41 56 17.54	0.006	12	0.65	54.251	26	99.5	17.85	24	99.5	K5	CZ	12617	P -41 6909
77	9.2E	8.0Z	42 54.648	0.0018	12	-48 26 43.20	-0.036	12	0.64	54.562	31	02.7	41.49	28	02.7	K0	CZ	12616	P -48 6757
78		5.9T	43 7.711	-0.0022	07	-47 13 53.13	-0.018	05	0.27	7.796	09	11.5	52.38	09	08.2	A0	GC	19866	C -46 9562
79	10.0E	9.0Z	43 23.154	0.0007	12	-42 57 14.12	-0.021	12	0.65	23.121	26	99.7	13.07	24	99.7	K2	CZ	12620	P -42 6796
80	10.2E	9.0Z	43 56.970	-0.0019	12	-40 30 25.21	-0.027	12	0.86	57.066	63	98.5	23.84	57	98.5	F5	CZ	12625	P -40 6703
81	9.8E	9.2Z	44 4.293	-0.0016	12	-44 14 39.28	-0.018	12	0.74	4.373	45	00.3	38.39	45	00.3	F0	CZ	12626	P -43 6699
82	9.7E	9.0Z	44 4.931	-0.0012	12	-48 28 25.31	-0.014	12	0.70	4.985	45	04.3	24.66	45	04.3	A5	CZ	12624	P -48 6776
83		6.3T	44 16.430	-0.0013	14	-43 20 53.99	-0.035	10	0.66	16.492	18	00.1	52.12	17	96.0	G5	GC	19893	C -43 9326
84	10.0E	8.8Z	44 21.714	-0.0015	12	-41 53 5.91	-0.010	12	0.74	21.788	45	99.9	5.41	45	99.9	F5	CZ	12630	P -41 6916
85	10.2E	9.2Z	44 24.137	0.0002	12	-49 56 25.23	-0.014	12	0.85	24.127	31	01.3	24.85	28	01.3	G5	CZ	12627	P -49 7371
86	9.8E	9.7Z	44 28.631	-0.0001	12	-49 54 3.62	-0.002	12	0.72	28.636	45	02.3	3.53	45	02.3	B9	CZ	12629	P -49 7372
87	8.9E	8.5Z	44 28.857	-0.0004	12	-41 3 3.93	-0.024	12	0.68	28.875	28	97.6	2.64	26	97.6	A2	CZ	12634	P -40 6707
88	8.8E	9.0Z	44 31.173	-0.0017	12	-42 27 31.44	-0.029	12	0.66	31.259	28	99.6	29.98	26	99.6	F5	CZ	12635	P -42 6804
89	9.7E	8.5Z	44 35.625	0.0001	12	-49 14 0.60	-0.001	12	0.72	35.618	45	02.3	0.66	45	02.3	G5	CZ	12631	P -48 6786
90	8.3E	8.1H	44 35.706	-0.0009	12	-45 56 52.33	-0.019	12	0.67	35.752	31	00.1	51.38	28	00.1	B9	CZ	12633	P -45 7024
91	9.5E	9.4Z	44 36.437	-0.0010	12	-48 10 2.76	-0.000	12	0.70	36.482	45	04.3	2.76	45	04.3	A0	CZ	12632	P -47 6700
92	8.8E	9.0Z	44 42.849	-0.0008	12	-47 3 15.40	0.004	12	0.65	42.888	31	01.4	15.59	28	01.4	A0	CZ	12636	P -46 7007
93	8.4E	8.0Z	44 44.299	-0.0017	12	-41 25 21.67	-0.023	12	0.66	44.384	28	99.0	20.71	26	99.0	K0	CZ	12640	P -41 6918
94	10.0E	9.0Z	44 47.602	-0.0084	12	-48 22 15.56	-0.108	12	0.70	47.984	45	04.3	10.62	45	04.3	K0	CZ	12637	P -48 6793
95	10.9E	9.5*	44 47.778	-0.0009	12	-46 39 22.30	-0.020	12	0.65	47.821	31	01.4	21.32	28	01.4		CZ	12638	P -46 7009
96	10.2E	9.4*	44 50.098	-0.0030	12	-42 10 55.24	-0.021	12	0.66	50.249	28	99.1	54.17	26	99.1	G0	CZ	12641	P -41 6919
97	10.0E	8.5Z	44 52.219	-0.0033	12	-41 39 15.37	-0.058	12	0.74	52.383	45	99.9	12.44	45	99.9	K2	CZ	12643	P -41 6920
98	8.0E	8.0Z	44 56.957	-0.0015	12	-40 48 29.82	-0.065	12	0.66	57.032	63	98.5	26.50	57	98.5	F8	CZ	12648	P -40 6711
99	10.5E	9.5*	45 0.849	-0.0002	12	-45 27 41.71	-0.055	12	0.66	0.858	31	00.1	38.97	28	00.1	A0	CZ	12645	P -45 7025
00	9.2E	9.0Z	45 2.441	-0.0006	12	-46 5 33.74	-0.023	12	0.73	2.481	45	00.9	32.61	45	00.9	A0	CZ	12646	P -45 7026

225200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 14H

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ_α s	σ_{μ_α} .001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} .001	σ_{1950} ″	α_2 s	σ_{α_2} .01	ep.	δ_2 ″	σ_{δ_2} .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.0	9.6Z	14 45 5.203	0.0001	12	-48 39 23.82	-0.011	12	0.70	5.200	45	04.3	23.31	45	04.3	F5	CZ	12644	P -48 6797
2	9.4	9.5Z	45 12.407	-0.0010	12	-42 27 22.65	-0.019	12	0.73	12.455	45	00.9	21.72	45	00.9	F0	CZ	12652	P -42 6807
3	9.5	9.1	45 25.626	-0.0009	12	-48 12 25.43	-0.019	12	0.64	25.670	31	02.7	24.53	28	02.7	A0	CZ	12653	P -47 6709
4	10.0	9.5Z	45 41.985	-0.0003	12	-44 6 6.19	-0.017	12	0.65	42.001	28	99.8	5.34	28	99.8	A5	CZ	12656	P -43 6715
5	9.0	7.6M	45 47.077	-0.0008	12	-40 12 50.08	-0.035	12	0.86	47.117	63	98.5	48.30	57	98.5	K2	CZ	12658	P -39 6441
6	9.8	8.5Z	45 49.828	0.0000	12	-49 26 49.03	-0.015	12	0.72	49.826	45	02.9	48.34	45	02.9	K0	CZ	12655	P -49 7393
7	9.8	9.3M	45 54.427	0.0000	12	-45 39 57.20	-0.016	12	0.73	54.426	45	00.9	56.42	45	00.9	A0	CZ	12657	P -45 7039
8	9.8	9.3Z	45 59.959	-0.0057	12	-47 52 15.16	-0.046	12	0.70	0.259	45	04.3	13.05	45	04.3	G0	CZ	12659	P -47 6717
9	9.0	8.1M	46 2.340	-0.0017	12	-40 15 23.09	-0.028	12	0.84	2.621	63	01.5	21.75	57	01.5	K0	CZ	12661	P -39 6442
10	9.3	8.0Z	46 5.272	0.0026	12	-47 35 26.18	0.002	12	0.70	5.152	45	04.3	26.27	45	04.3	G5	CZ	12660	P -47 6721
11	9.7	9.1R	46 14.713	-0.0004	12	-48 4 2.71	-0.011	12	0.64	14.731	31	02.3	2.18	28	02.3	A0	CZ	12662	P -47 6722
12	9.8	9.3R	46 18.135	-0.0007	12	-44 19 30.92	-0.036	12	0.67	18.271	31	99.7	29.11	28	99.7	F0	CZ	12665	P -44 6980
13	8.6	8.6R	46 18.232	-0.0013	12	-47 18 9.86	-0.005	12	0.84	18.294	31	02.4	9.64	28	02.4	A0	CZ	12663	P -46 7023
14	8.9	9.0Z	46 18.867	-0.0032	12	-43 30 54.92	-0.088	12	0.85	19.029	28	00.1	53.53	28	00.1	F0	CZ	12666	P -43 6722
15		7.6T	46 22.047	-0.0019	16	-48 25 43.46	-0.021	11	0.71	22.138	22	01.6	42.31	21	95.5	K5	GC	19933	C -48 9374
16	9.5	9.0Z	46 29.384	0.0006	12	-42 47 29.46	-0.025	12	0.66	29.295	28	99.6	28.21	28	99.6	A0	CZ	12668	P -42 6813
17	9.6	8.5Z	46 37.718	0.0001	12	-41 13 29.87	-0.014	12	0.74	37.711	45	99.9	29.20	45	99.9	F2	CZ	12672	P -40 6717
18	9.6	8.5Z	46 49.390	-0.0008	12	-40 26 1.89	-0.021	12	0.68	49.429	28	97.7	0.82	28	97.7	A0	CZ	12675	P -40 6719
19		8.0T	46 54.976	0.0006	16	-41 38 23.20	0.002	12	0.73	54.945	18	00.5	23.31	17	97.1	A3	GC	19944K	C -41 9194
20	9.1	8.7Z	46 55.996	-0.0014	12	-41 3 9.14	-0.036	12	0.86	56.066	63	98.5	7.31	57	98.5	F8	CZ	12682	P -40 6720
21	9.7	9.0Z	46 57.141	0.0045	12	-43 57 2.83	-0.002	12	0.73	56.922	45	01.4	2.74	45	01.4	G0	CZ	12679	P -43 6733
22	8.6	8.8Z	46 57.602	-0.0019	12	-49 34 7.71	-0.017	12	0.65	57.694	31	01.7	6.90	28	01.7	A2	CZ	12674	P -49 7403
23	9.6	9.5Z	46 58.045	-0.0014	12	-46 3 31.68	-0.014	12	0.67	58.116	31	00.1	30.98	28	00.1	B9	CZ	12676	P -45 7054
24	9.6	9.4R	47 3.744	-0.0001	12	-49 0 16.27	-0.019	12	0.64	3.747	31	02.7	15.38	28	02.7	B9	CZ	12677	P -48 6835
25	9.5	9.5Z	47 6.541	-0.0003	12	-43 37 13.82	-0.010	12	0.73	6.558	45	01.4	13.35	45	01.4	F2	CZ	12684	P -43 6737
26	10.0	9.1Z	47 7.330	0.0005	12	-44 23 56.09	-0.051	12	0.74	7.306	45	00.3	53.56	45	00.3	F8	CZ	12683	P -44 6993
27	9.9	8.5Z	47 15.847	-0.0018	12	-44 55 59.36	-0.020	12	0.67	15.938	31	99.7	58.37	28	99.7	K0	CZ	12688	P -44 6996
28	9.3	9.0Z	47 19.584	-0.0007	12	-46 45 29.49	0.004	12	0.72	19.617	45	02.9	29.68	45	02.9	A0	CZ	12689	P -46 7037
29	9.7	9.4Z	47 20.104	-0.0021	12	-49 5 43.74	-0.030	12	0.70	20.198	45	04.3	42.36	45	04.3	B9	CZ	12687	P -48 6841
30	9.3	8.7Z	47 22.521	-0.0027	12	-46 5 14.63	-0.023	12	0.73	22.654	45	00.9	13.50	45	00.9	G0	CZ	12691	P -45 7058
31	9.8	9.2Z	47 27.774	0.0001	12	-49 53 18.58	-0.032	12	0.72	27.769	45	02.9	17.07	45	02.9	A2	CZ	12690	P -49 7414
32	9.8	8.2Z	47 28.056	-0.0087	12	-41 5 3.12	-0.027	12	0.86	28.502	63	98.5	1.75	57	98.5	G0	CZ	12695	P -40 6725
33	8.3	7.5Z	47 41.548	-0.0079	12	-49 36 42.46	-0.083	12	0.72	41.920	45	02.9	38.57	45	02.9	K0	CZ	12694	P -49 7418
34		6.9T	47 43.408	-0.0036	09	-42 36 59.13	-0.029	07	0.36	43.548	12	10.7	57.93	12	08.2	A2	GC	19963	C -42 9722
35	9.3	9.0Z	47 45.856	-0.0007	12	-44 12 36.58	-0.020	12	0.69	45.890	36	00.7	35.60	36	00.7	A2	CZ	12698	P -43 6742
36	9.5	9.9Z	47 47.676	0.0001	12	-49 32 35.64	-0.012	12	0.72	47.671	45	02.9	35.09	45	02.9		CZ	12697	P -49 7421
37	10.0	9.1Z	47 52.414	-0.0004	12	-41 10 8.29	-0.006	12	0.86	52.433	63	98.5	8.00	57	98.5	A5	CZ	12705	P -40 6728
38	9.7	9.0Z	47 53.771	-0.0019	12	-47 12 7.17	-0.034	12	0.83	53.861	63	02.3	5.54	57	02.3	K0	CZ	12700	P -46 7046
39	9.0	8.0Z	47 54.272	-0.0002	12	-47 12 3.10	-0.033	12	0.83	54.281	63	02.3	1.52	57	02.3	K0	CZ	12701	P -46 7046
40	9.3	8.5Z	47 57.316	-0.0015	12	-40 36 3.10	-0.012	12	0.86	57.392	63	98.5	2.45	57	98.5	A5	CZ	12708	P -40 6729
41	10.1	8.5Z	47 57.808	-0.0014	12	-48 24 49.32	-0.022	12	0.65	57.870	36	05.0	48.33	36	05.0	K5	CZ	12702	P -48 6847
42	9.5	9.4Z	48 0.323	-0.0003	12	-49 18 22.05	-0.002	12	0.72	0.336	45	02.9	21.97	45	02.9	A2	CZ	12704	P -48 6848
43	10.1	8.5Z	48 4.786	-0.0011	12	-47 28 39.88	-0.012	12	0.62	4.836	28	03.4	39.32	26	03.4	G5	CZ	12706	P -47 6740
44	9.5	9.2Z	48 4.945	-0.0026	12	-46 16 42.28	-0.017	12	0.63	5.061	28	01.9	41.46	26	01.9	A0	CZ	12707	P -45 7056
45	8.6	8.2M	48 8.737	-0.0049	12	-46 52 39.24	-0.036	12	0.63	8.973	28	01.9	37.51	26	01.9	F2	CZ	12710	P -46 7049
46	9.7	9.9Z	48 14.234	0.0001	12	-49 59 6.70	-0.012	12	0.72	14.230	45	02.9	6.14	45	02.9		CZ	12709	P -49 7426
47	10.4	9.7Z	48 20.185	0.0000	12	-42 10 56.01	-0.018	12	0.66	20.163	28	99.5	55.10	26	99.5	A	CZ	12712	P -41 6937
48		4.5T	48 21.892	-0.0019	06	-43 22 11.08	-0.030	04	0.26	21.975	12	04.9	9.51	10	96.9	B5	GC	19977	C -43 9391
49	9.6	9.8M	48 22.198	-0.0013	12	-45 15 12.47	-0.012	12	0.68	22.260	36	01.7	11.89	36	01.7	A2	CZ	12711	P -44 7011
50	10.1	9.8Z	48 32.271	-0.0016	12	-49 12 4.02	-0.005	12	0.65	32.341	36	05.0	3.81	36	05.0	A0	CZ	12714	P -48 6861
51	9.4	9.5Z	14 48 40.956	0.0019	12	-43 2 44.51	-0.003	12	0.73	40.865	45	00.9	44.37	45	00.9	A5	CZ	12717	P -42 6820
52	9.3	9.4M	48 43.080	-0.0025	12	-45 15 2.83	-0.005	12	0.65	43.172	28	00.9	2.58	26	00.9	A2	CZ	12716	P -44 7013
53	7.8	8.0Z	48 44.942	-0.0014	12	-40 36 2.64	-0.012	12	0.84	45.010	63	01.5	2.04	57	01.5	B9	CZ	12721	P -40 6733
54	9.7	9.6Z	48 46.397	-0.0008	12	-48 51 24.05	-0.010	12	0.65	46.432	36	05.0	23.61	36	05.0	A2	CZ	12715	P -48 6866
55	9.5	8.7Z	48 52.640	-0.0054	12	-48 35 7.12	-0.072	12	0.65	52.885	36	05.0	3.87	36	05.0	F2	CZ	12719	P -48 6868
56		7.4T	48 56.832	-0.0005	14	-44 43 18.56	-0.082	12	0.69	56.857	19	00.3	14.24	18	97.2	G0	GC	19987	C -44 9667
57	8.9	8.5Z	48 59.891	-0.0018	12	-48 32 48.41	-0.008	12	0.61	59.976	28	03.6	48.03	26	03.6	A5	CZ	12722	P -48 6870
58	9.3	8.5Z	49 1.142	-0.0064	12	-43 36 39.35	-0.181	12	0.73	1.457	45	01.0	30.49	45	01.0	G5	CZ	12731	P -43 6755
59	9.4	9.0M	49 1.946	-0.0015	12	-46 25 33.19	-0.006	12	0.67	1.876	36	03.1	32.91	36	03.1	F8	CZ	12727	P -46 7058
60		7.1T	49 2.174	0.0008	16	-46 33 19.36	-0.026	11	0.71	2.137	18	02.6	17.98	21	96.9	M0	GC	19969	C -46 9639
61	8.0	8.0M	49 4.922	0.0014	12	-48 2 33.10	-0.009	12	0.62	4.856	28	03.4	32.68	26	03.4	K0	CZ	12729	P -47 6750
62	9.3	9.0Z	49 8.752	-0.0013	12	-49 24 53.06	-0.011	12	0.72	8.811	45	02.9	52.56	45	02.9	A2	CZ	12730	P -49 7442
63	8.4	8.5Z	49 21.070	-0.0004	12	-46 48 35.44	-0.022	12	0.72	21.089	45	02.9	34.40	45	02.9	A0	CZ	12733	P -46 7060
64	9.2	9.5M	49 23.096	-0.0001	12	-45 23 10.25	0.008	12	0.66	23.100	31	00.1	10.65	28	00.1	K5	CZ	12734	P -45 7077
65	10.0	9.0Z	49 23.450	0.0011	12	-41 52 14.23	-0.010	12	0.67	23.392	28	98.8	13.72	26	98.8	K0	CZ	12735	P -41 6944
66	9.0	9.0Z	49 40.039	-0.0011	12	-49 39 12.90	-0.027	12	0.72	40.091	45	02.9	11.65	45	02.9	A2	CZ	12736	P -49 7448
67		8.3T	49 43.634	-0.0028	12	-46 25 51.52	-0.205	11	0.64	43.773	22	00.7	40.86	22	98.0	G5	GC	20001K	C -46 9649
68	8.5	8.2Z	49 48.200	0.0008	12	-43 31 27.52	-0.026	12	0.65	48.163	28	99.8	26.22	26	99.8	A2	CZ	12740	P -43 6762
69	9.4	8.5Z	49 49.079	-0.0021	12	-48 24 11.79	-0.023	12	0.70	49.174	45	04.3	10.73	45	04.3	K0	CZ	12738	P -48 6879
70	10.5	9.5M	49 53.712	-0.0040	12	-42 17 23.21	-0.021	12	0.66	53.912	28	99.7	22.15	26	99.7		CZ	12742	P -41 6948
71	9.9	8.5Z	49 58.271	-0.0020	12	-46 46 9.50	-0.015	12	0.72	58.365	45	02.9	8.79	45	02.9	K2	CZ	12741	P -46 7068
72	11.2	9.5Z	50 0.320	-0.0021	12	-45 39 19.43	-0.014	12	0.73	0.422	45	00.9	18.74	45	00.9	B8	CZ	12743	P -45 7082
73		7.0T	50 1.684	0.0005	13	-45 39 6.44	-0.008	10	0.64	1.660	22	00.4	6.00	19	93.8	B8	GC	20010K	C -45 9492
74	9.7	9.4Z	50 7.053	0.0012	12	-43 42 20.12	-0.025	12	0.73	6.996	45	01.0	18.91	49	01.0	A3	CZ	12745	P -43 6768
75	10.5	10.1H	50 15.411	-0.0026	12	-40 22 28.19	-0.017	12	0.68	15.545	28	97.9	27.33	26	97.9	F8	CZ	12746	P -40 6742
76	9.3	8.0Z	50 30.574	-0.0008	12	-42 57 30.32	-0.006	12	0.66	30.616	28	99.4	30.03	26	99.4	K2	CZ	12750	P -42 6828
77		9.1T	50 32.434	-0.0020	20	-45 6 27.86	-0.011	22	0.99	32.525	21	04.0	27.36	21	04.5	A5	GC	20018	C -44 9685
78	9.5	9.1R	50 33.988	0.0001	12	-49 16 27.29	-0.004	12	0.65	33.961	31	01.7	27.11	28	01.7	A2	CZ	12747	P -48 6868
79	9.0	8.7M	50 35.438	-0.0009	12	-46 3 17.05	-0.016	12	0.66	35.485	31	00.1	16.25	28	00.1	A0	CZ	12751	P -45 7085
80	9.0	8.5Z	50 37.114	0.0019	12	-48 36 2.34	0.028	12	0.70	37.029	45	04.3	3.60	45	04.3	G0	CZ	12748	P -48 6890
81		8.6T	50 37.761	-0.0017	20	-44 43 37.43	-0.044	20	0.91	37.837	24	05.5	35.46	24	05.1	A0	GC	20021	C -44 9687
82	9.4	8.5Z	50 43.773	0.0003	12	-43 23 40.12	-0.019	12	0.73	43.760	45	01.0	39.20	45	01.0	G5	CZ	12753	P -43 6774
83	9.1	8.5Z	50 55.145	0.0002	12	-48 30 30.27	-0.001	12	0.70	55.138	45	04.3	30.21	45	04.3	B9	CZ	12755	P -48 6894
84	9.7	8.5Z	50 58.657	-0.0012	12	-45 38 28.17	-0.010	12	0.73	58.914	45	00.9	27.68	45	00.9	K0	CZ	12757	P -45 7087
85	10.0	9.0Z	51 10.254	-0.0015	12	-41 43 21.04	-0.023	12	0.74	10.328	45	99.9	19.89	45	99.9	A0	CZ	12759	P -41 6953
86	9.0	8.5Z	51 25.050	-0.0015	12	-41 50 32.12	-0.041	12	0.74	25.123	45	99.9	30.07	45	99.9	K0	CZ	12761	P -41 6956
87		8.0T	51 31.633	-0.0007	17	-48 29 38.00	-0.007	13	0.77	31.665	22	03.2	37.64	21	98.7	A8	GC	20050	C -48 9449
88	10.0	9.0Z	51 35.789	-0.0010	12	-40 32 41.58	-0.019	12	0.68	35.819	28	97.6	40.61	26	97.6	K5	CZ	12763	P -40 6745
89		7.0T	51 41.461	-0.0112	22	-41 9 38.65	-0.075	20	1.01	41.986	18	03.0	35.04	18	02.2	F5	GC	20053	C -40 9082
90	7.9	8.5Z	51 54.390	-0.0021	12	-40 55 3.64	-0.022	12	0.86	54.497	63	98.5	2.49	57	98.5	A0	CZ	12767	P -40 6749
91	8.9	7.8M	51 56.570	0.0021	12	-48 25 43.74	-0.034	12	0.65	56.469	31	01.4	42.08	28	01.4	G5	CZ	12766	P -46 7086
92	8.2	8.0Z	52 7.436	-0.0008	12	-44 7 54.44	-0.002	12	0.64	7.476	24	99.7	54.34	20	99.7	A2	CZ	12768	P -43 6785
93	10.0	8.5Z	52 13.344	-0.0023	12	-40 30 18.90	-0.015	12	0.86	13.461	63	98.5	18.15	57	98.5	A3	CZ	12770	P -40 6752
94	9.4	8.5Z	52 16.192	-0.0011	12	-44 11 24.99	-0.012	12	0.73	16.246	45	01.0	24.41	45	01.0	A5	CZ	12769	P -43 6786
95	8.8	8.8Z	52 24.555	-0.0027	12	-45 46 19.62	-0.007	12	0.66	24.691	31	00.1	19.27	28	00.1	A5	CZ	12771	P -45 7106
96	10.4	9.5R	52 26.868	-0.0051	12	-41 36 39.81	-0.034	12	0.66	27.125	28	99.1	38.10	26	99.1	F8	CZ	12773	P -41 6964
97		7.9T	52 29.419	0.0036	20	-44 29 43.04	-0.024	15	0.87	29.251	24	03.3	41.83	21	99.5	K2	GC	20061	C -44 9709
98	9.4	9.5Z	52 41.501	0.0014	12	-43 52 8.03	-0.020	12	0.73	41.432	45	01.0	5.05	45	01.0	A0	CZ	12775	P -43 6791
99	8.3	8.5Z	52 56.456	0.0036	12	-43 53 26.12	0.000	12	0.65	56.277	26	99.8	26.12	24	99.8	A2	CZ	12776	P -43 6794
00	8.8	9.5Z	53 1.338	-0.0007	12	-42 19 49.72	-0.022	12	0.69	1.371	36	00.7	48.64	36	00.7	A0	CZ	12781	P -42 6844

225300 — −40° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.4T	14 53 2.392	0.0011	20	-44 42 1.92	-0.011	20	0.91	2.343	24	05.5	1.44	24	05.1	B9	GC	20073	C -44 9722
2		8.7T	53 2.778	0.0031	17	-44 57 16.29	-0.008	16	0.80	2.635	24	03.8	15.92	22	02.6	F5	GC	20074	C -44 9721
3	8.9E	8.5Z	53 4.467	-0.0008	12	-47 8 57.07	-0.031	12	0.64	4.506	28	01.6	55.57	26	01.6	K0	CZ	12777	P -46 7099
4		7.0T	53 5.371	0.0023	16	-44 30 11.17	-0.026	12	0.74	5.256	19	00.0	9.80	18	97.0	A0	GC	20076	C -44 9723
5		7.3Q	53 7.188	-0.0039	14	-47 40 39.83	-0.047	22	0.87	7.371	22	02.8	37.75	19	05.8		GC	20077K	C -47 9543
6		5.8T	53 7.494	-0.0039	10	-47 40 39.30	-0.022	08	0.52	7.690	19	99.6	38.09	17	95.2	B9	GC	20078K	C+-47 9543
7	9.3E	9.5H	53 10.003	-0.0010	12	-40 16 11.83	-0.002	12	0.76	10.053	45	98.5	11.75	45	98.5	A0	CZ	12786	P -39 6483
8	7.8E	7.5Z	53 11.212	0.0001	12	-46 44 57.95	-0.003	12	0.67	11.206	36	02.7	57.81	36	02.7	A2	CZ	12784	P -46 7100
9	9.5E	8.3Z	53 14.580	-0.0008	12	-48 19 56.85	-0.000	12	0.70	14.616	45	04.4	56.84	45	04.4	G5	CZ	12785	P -48 6937
10	9.0E	8.0Z	53 18.933	0.0006	12	-43 15 18.05	-0.028	12	0.65	18.905	26	00.0	16.66	24	00.0	K0	CZ	12789	P -42 6847
11	10.3E	9.8Z	53 29.289	0.0005	12	-49 51 36.42	-0.015	12	0.72	29.266	45	03.0	35.71	45	03.0		CZ	12788	P -49 7524
12	8.5E	8.7H	53 30.115	-0.0013	12	-44 26 52.33	-0.030	12	0.69	30.179	36	01.1	50.86	36	01.1	A0	CZ	12791	P -44 7084
13	8.8E	9.5Z	53 32.407	-0.0008	12	-41 47 50.89	-0.008	12	0.66	32.446	26	98.8	50.48	24	98.8	B9	CZ	12792	P -41 6965
14	8.9E	8.0Z	53 34.544	-0.0039	12	-48 52 51.72	-0.020	12	0.64	34.726	31	02.8	50.79	28	02.8	K0	CZ	12790	P -48 6942
15	8.0E	8.5Z	53 39.778	-0.0026	12	-42 15 35.90	-0.028	12	0.73	39.903	45	00.9	34.52	45	00.9	B9	CZ	12793	P -41 6966
16	9.6E	9.0Z	53 43.449	-0.0014	12	-42 23 4.25	-0.006	12	0.73	43.516	45	00.9	3.95	45	00.9	F5	CZ	12794	P -42 6850
17	10.9E	9.3#	53 44.958	0.0011	12	-40 42 56.04	-0.022	12	0.68	44.898	28	97.9	54.92	26	97.9	G0	CZ	12795	P -40 6758
18		7.2T	53 57.318	-0.0096	16	-41 56 12.46	-0.045	13	0.77	57.780	22	01.7	10.12	21	98.0	K0	GC	20094	C -41 9312
19	10.0E	9.0Z	54 1.625	0.0044	12	-49 29 17.29	-0.024	12	0.72	1.831	45	03.0	16.17	45	03.0	F5	CZ	12796	P -49 7534
20	9.0E	9.5Z	54 7.398	-0.0002	12	-46 2 29.86	-0.021	12	0.71	7.408	45	03.4	28.88	45	03.4	B9	CZ	12799	P -45 7119
21		8.5T	54 10.930	-0.0052	22	-42 4 22.85	-0.036	22	1.08	11.173	19	03.0	21.14	18	02.5	A5	GC	20100	C -41 9317
22	8.2E	8.0Z	54 13.167	-0.0026	12	-49 40 16.19	-0.006	12	0.65	13.302	31	01.8	15.91	28	01.8	A0	CZ	12798	P -49 7540
23	10.0E	9.0Z	54 16.068	-0.0020	12	-49 35 30.18	-0.024	12	0.72	16.163	45	03.0	29.06	45	03.0	A0	CZ	12800	P -49 7541
24	9.6E	9.0Z	54 28.450	-0.0021	12	-46 52 50.25	-0.012	12	0.72	28.549	45	02.9	49.68	45	02.9	A2	CZ	12802	P -46 7110
25	9.5E	9.2Z	54 29.989	-0.0002	12	-44 14 56.08	-0.017	12	0.72	29.998	45	02.5	55.27	45	02.5	A0	CZ	12803	P -43 6808
26	7.6E	8.0Z	54 31.252	0.0020	12	-42 17 51.46	-0.018	12	0.73	31.153	45	00.9	50.58	45	00.9	A5	CZ	12804	P -41 6972
27	7.2E	6.5H	54 41.977	-0.0028	12	-48 39 30.30	-0.329	12	0.70	42.105	45	04.4	15.31	45	04.4	K0	CZ	12805	P -48 6957
28		6.5T	54 42.029	-0.0017	14	-48 39 29.79	-0.315	11	0.65	42.109	22	02.1	13.37	19	97.8	K0	GC	20118	C -48 9494
29	9.2E	8.5Z	54 49.862	-0.0017	12	-47 4 30.26	-0.022	12	0.72	49.942	45	02.9	29.22	45	02.9	K0	CZ	12807	P -46 7115
30		8.1T	55 1.963	-0.0000	20	-44 54 53.12	-0.023	20	0.93	1.963	21	03.5	52.06	19	03.5	A0	GC	20123K	C+-44 9742
31	9.8E	9.4Z	55 2.788	0.0003	12	-49 25 5.81	-0.004	12	0.72	2.772	45	03.0	5.63	45	03.0	F8	CZ	12808	P -49 7552
32	10.5E	9.0Z	55 5.863	-0.0015	12	-47 18 30.63	-0.025	12	0.64	5.934	31	02.3	29.44	28	02.3	A	CZ	12810	P -47 6805
33		7.3T	55 7.132	0.0004	13	-47 14 9.31	-0.008	12	0.70	7.112	22	99.1	8.88	19	94.9	G	GC	20125	C -46 9703
34		8.9T	55 7.900	-0.0031	17	-47 14 34.36	-0.024	13	0.77	8.044	24	03.5	33.13	21	98.7	A	GC	20126	C -46 9704
35		2.8H	55 14.787	-0.0034	02	-42 56 2.06	-0.043	02	0.10	14.920	05	11.2	0.44	05	12.4	B2P	F4	552	C -42 9853
36	9.3E	9.0Z	55 15.164	-0.0013	12	-40 56 56.49	-0.023	12	0.86	15.228	63	98.5	55.33	57	98.5	A2	CZ	12814	P -40 6768
37	10.0E	9.3Z	55 22.843	-0.0021	12	-41 38 40.89	-0.009	12	0.74	22.947	45	99.9	40.46	45	99.9	A5	CZ	12815	P -41 6976
38		8.3T	55 34.752	-0.0003	17	-45 50 39.11	-0.010	13	0.77	34.767	19	02.2	38.61	18	98.9	A2	GC	20139	C -45 9559
39	8.1E	8.0Z	55 35.937	0.0009	12	-48 2 8.18	-0.033	12	0.64	35.893	31	02.4	6.60	28	02.4	B8	CZ	12817	P -47 6810
40	8.8E	7.2Z	55 39.984	-0.0023	12	-47 45 30.40	-0.029	12	0.70	40.088	45	04.3	29.07	45	04.3	K0	CZ	12821	P -47 6811
41		7.2T	55 43.835	0.0012	11	-48 37 34.11	-0.058	08	0.43	43.785	15	09.2	31.56	15	05.7	G0	GC	20141	C -48 9516
42	9.3E	8.5Z	55 46.767	-0.0008	12	-42 22 21.92	-0.026	12	0.66	46.805	28	99.4	20.50	26	99.4	K0	CZ	12824	P -42 6859
43	10.5E	9.5#	55 47.236	-0.0001	12	-40 13 48.74	-0.022	12	0.68	47.239	28	97.7	47.61	26	97.7	A2	CZ	12826	P -39 6497
44		3.4H	55 53.910	-0.0017	02	-41 54 17.68	-0.027	02	0.12	53.977	07	09.9	16.70	06	13.9	B3	F4	553	C -41 9342
45		8.0T	55 55.006	-0.0047	13	-40 53 7.86	-0.019	11	0.66	55.238	22	00.5	6.80	19	95.4	K0	GC	20149	C -40 9156
46	10.1E	8.0Z	55 57.296	0.0008	12	-49 2 22.35	-0.006	12	0.70	57.258	45	04.4	22.09	45	04.4	K2	CZ	12823	P -48 6984
47	9.7E	9.0Z	55 57.416	0.0000	12	-42 40 5.31	-0.025	12	0.73	57.414	45	00.9	4.08	45	00.9	F0	CZ	12829	P -42 6860
48		9.3T	55 57.503	-0.0001	18	-45 14 38.49	-0.008	20	0.91	57.507	19	03.2	38.12	19	03.0	K5	GC	20150	C -44 9758
49		7.1T	56 1.640	-0.0053	14	-43 16 23.61	-0.059	11	0.67	1.889	18	02.5	20.53	21	97.3	F0	GC	20152K	C -42 9867
50	10.0E	9.1Z	56 1.878	0.0001	12	-49 51 15.59	-0.021	12	0.72	1.874	45	03.0	14.61	45	03.0	K0	CZ	12825	P -49 7566
51		6.2T	14 56 9.716	-0.0017	11	-42 57 39.59	-0.016	08	0.57	9.800	21	99.0	38.68	19	91.5	F8	GC	20156	C -42 9871
52	9.3E	9.0Z	56 9.819	-0.0003	12	-41 45 19.87	-0.005	12	0.74	9.833	45	99.9	19.62	45	99.9	K0	CZ	12834D	P+-41 6982
53	8.8E	8.5Z	56 25.986	0.0013	12	-49 45 59.53	-0.022	12	0.72	25.905	45	03.0	58.50	45	03.0	A0	CZ	12835	P -49 7572
54		7.4T	56 27.331	-0.0028	15	-45 57 41.44	-0.038	12	0.73	27.469	22	00.9	39.43	21	97.0	A2	GC	20159	C -45 9566
55		6.7T	56 27.398	-0.0177	10	-43 36 39.57	-0.128	07	0.40	28.140	15	08.1	33.70	14	04.1	F5	GC	20160	C -43 9514
56	10.3E	9.0Z	56 29.380	-0.0049	12	-48 31 24.69	-0.032	12	0.70	29.605	45	04.4	23.22	45	04.4	F8	CZ	12836	P -48 6988
57		7.2T	56 32.229	-0.0006	10	-46 2 56.50	-0.007	09	0.43	32.255	15	08.0	56.20	15	06.4	B9	GC	20165	C -45 9567
58	8.9E	9.0Z	56 37.393	-0.0013	12	-41 57 39.84	-0.004	12	0.74	37.456	45	99.9	39.64	45	99.9	A0	CZ	12841	P -41 6985
59	10.2E	10.0Z	56 38.195	-0.0011	12	-46 29 0.11	-0.009	12	0.65	38.249	31	01.4	59.67	28	01.4	B9	CZ	12840	P -46 7129
60	9.5E	9.2Z	56 53.544	-0.0006	12	-46 2 5.40	-0.005	12	0.71	53.573	45	03.4	5.17	45	03.4	A0	CZ	12843	P -45 7145
61	10.0E	9.5Z	56 54.858	-0.0005	12	-42 55 30.68	-0.013	12	0.73	54.885	45	00.9	30.05	45	00.9	A2	CZ	12845	P -42 6866
62	9.6E	8.8Z	56 55.830	-0.0015	12	-45 34 52.06	-0.022	12	0.71	55.899	45	03.4	51.03	45	03.4	K2	CZ	12844	P -45 7146
63	10.0E	9.5Z	56 57.816	0.0008	12	-49 50 12.15	-0.016	12	0.72	57.793	45	03.0	11.40	45	03.0	B9	CZ	12842	P -49 7580
64	10.3E	9.5Z	57 1.848	-0.0007	12	-41 53 26.36	0.003	12	0.74	1.881	45	99.9	26.51	45	99.9	F5	CZ	12847	P -41 6988
65	9.3E	8.5Z	57 14.771	-0.0012	12	-41 43 48.85	-0.012	12	0.74	14.829	45	99.9	48.25	45	99.9	K0	CZ	12848	P -41 6989
66	9.6E	9.0Z	57 17.945	0.0013	12	-41 54 7.75	0.007	12	0.74	17.878	45	99.9	8.10	45	99.9	G0	CZ	12849	P -41 6991
67	10.0E	9.0Z	57 19.738	-0.0021	12	-41 42 50.95	-0.019	12	0.74	19.841	45	99.9	50.00	45	99.9	F2	CZ	12851	P -41 6992
68	9.7E	9.2Z	57 24.986	-0.0034	12	-44 59 50.69	-0.044	12	0.72	25.128	45	02.5	48.61	45	02.5	G0	CZ	12852	P -44 7103
69	9.5E	9.0Z	57 26.347	-0.0001	12	-46 10 0.51	-0.017	12	0.71	26.353	45	03.4	59.72	45	03.4	A0	CZ	12850	P -45 7150
70		8.8T	57 31.172	-0.0001	16	-45 50 19.42	-0.027	14	0.83	31.178	24	03.1	18.03	21	98.5	B8	GC	20179	C -45 9583
71	10.0E	9.5Z	57 41.293	0.0005	12	-42 2 32.78	-0.013	12	0.74	41.266	45	99.9	32.13	45	99.9	G0	CZ	12856	P -41 6994
72	10.1E	9.5Z	57 41.664	-0.0014	12	-46 59 44.78	-0.012	12	0.64	41.732	28	01.6	44.20	26	01.6	A0	CZ	12854	P -46 7135
73	9.4E	9.0Z	57 43.817	0.0016	12	-42 48 7.02	0.001	12	0.66	43.739	28	99.4	7.09	26	99.4	F8	CZ	12857	P -42 6872
74	9.4E	8.8Z	57 47.338	0.0000	12	-41 38 36.32	-0.009	12	0.74	47.335	45	99.9	35.90	45	99.9	A5	CZ	12859	P -41 6995
75	9.8E	8.5Z	57 49.046	0.0002	12	-49 21 42.35	-0.006	12	0.72	49.035	45	02.4	42.08	45	02.4	K2	CZ	12855	P -49 7593
76	9.3E	8.0Z	57 51.335	-0.0001	12	-42 5 28.34	-0.012	12	0.67	51.339	28	98.7	27.72	26	98.7	K2	CZ	12862	P -41 6996
77	9.1E	9.0Z	58 15.169	-0.0014	12	-41 22 14.51	-0.033	12	0.70	15.237	36	99.7	12.88	36	99.7		CZ	12865	P -41 7002
78	9.4E	9.5Z	58 15.254	-0.0010	12	-41 19 55.70	-0.019	12	0.70	15.302	36	99.7	54.77	36	99.7	A0	CZ	12866	P -41 7001
79	9.7E	9.0Z	58 19.315	-0.0014	12	-42 11 4.37	-0.011	12	0.65	19.384	26	99.1	3.80	24	99.1	F8	CZ	12867	P -41 7003
80	8.4E	8.5#	58 19.358	-0.0046	12	-41 37 37.36	-0.019	12	0.65	19.391	26	99.1	36.37	24	99.1	G0	CZ	12868	P -41 7004
81	8.8E	8.0Z	58 28.986	-0.0037	12	-46 48 35.07	-0.076	12	0.64	29.145	28	01.6	31.39	26	01.6	G5	CZ	12869	P -46 7142
82	9.0E	9.0Z	58 29.739	-0.0011	12	-41 0 4.22	-0.012	12	0.86	29.793	63	98.5	3.63	57	98.5	A0	CZ	12873	P -40 6784
83	8.6E	7.5Z	58 32.303	-0.0017	12	-46 57 23.64	-0.015	12	0.67	32.383	36	02.7	22.93	36	02.7	G5	CZ	12871	P -46 7146
84	9.2E	8.5Z	58 32.605	-0.0004	12	-41 37 16.38	0.000	12	0.70	32.623	36	99.7	16.40	36	99.7	K2	CZ	12874	P -41 7007
85	9.9E	9.0Z	58 35.169	-0.0054	12	-48 53 40.58	-0.081	12	0.62	35.420	28	03.2	36.81	26	03.2	G0	CZ	12870	P -48 7019
86	8.7E	8.5Z	58 36.327	-0.0010	12	-45 39 5.72	-0.029	12	0.67	36.373	36	03.0	4.36	36	03.0	A5	CZ	12872	P -45 7162
87	10.9E	9.3#	58 41.198	-0.0004	12	-44 41 42.14	-0.010	12	0.64	41.214	28	01.5	41.66	26	01.5	K0	CZ	12877	P -44 7116
88	9.1E	8.7Z	58 43.478	-0.0033	12	-46 29 11.39	-0.016	12	0.67	43.635	36	02.7	10.63	36	02.7	F8	CZ	12876	P -46 7151
89	9.9E	9.0Z	58 43.902	-0.0013	12	-47 46 23.53	0.021	12	0.62	43.963	28	02.9	24.51	26	02.9	F8	CZ	12875	P -47 6845
90	9.4E	9.5Z	58 50.745	-0.0010	12	-42 52 35.52	-0.021	12	0.74	50.797	45	99.9	34.49	45	99.9	F8	CZ	12878	P -42 6878
91	8.8E	8.0Z	59 5.770	-0.0012	12	-41 29 38.32	-0.034	12	0.75	5.830	45	98.9	36.61	45	98.9	K2	CZ	12880	P -41 7008
92	10.0E	9.5#	59 15.150	0.0001	12	-45 59 40.24	-0.015	12	0.65	15.146	31	01.4	39.51	28	01.4	A	CZ	12881	P -45 7165
93	9.8E	9.0Z	59 16.274	-0.0032	12	-42 25 59.57	-0.059	12	0.74	16.432	45	99.9	56.61	45	99.9	G0	CZ	12882	P -42 6880
94		9.6T	59 16.356	-0.0090	26	-48 20 27.75	-0.043	26	1.18	16.766	21	04.4	25.79	21	04.4	F0	GC	20213	C -48 9559
95	9.8E	9.0Z	59 17.138	0.0007	12	-41 28 36.97	-0.005	12	0.75	17.100	45	98.9	36.74	45	98.9	G5	CZ	12884	P -41 7010
96	9.7E	9.5Z	59 18.218	-0.0009	12	-43 15 23.74	-0.032	12	0.73	18.264	45	01.5	22.20	45	01.5	F0	CZ	12883	P -42 6879
97	8.6E	8.5Z	59 19.162	-0.0012	12	-41 22 39.01	-0.029	12	0.68	19.222	28	98.1	37.53	26	98.1	F2	CZ	12885	P -41 7012
98	9.4E	9.0Z	59 19.407	-0.0015	12	-41 24 38.57	-0.023	12	0.75	19.431	45	98.9	37.41	45	98.9		CZ	12886	P -41 7011
99		8.7T	59 31.124	-0.0036	16	-47 44 46.11	-0.025	12	0.73	31.297	19	01.8	44.76	19	96.0	K0	GC	20217	C -47 9634
00	10.4E	9.5Z	59 37.271	-0.0041	12	-43 24 3.56	-0.061	12	0.65	37.477	28	00.1	0.53	26	00.1	G0	CZ	12889	P -43 6847

225400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ s/001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 14H DM NUMBER
1	9.4E	8.5Z	14 59 41.900	-0.0013	12	-48 35 35.09	-0.002	12	0.71	41.962	45	03.5	34.99	45	03.5	AO	C2	12988	P -48 7030
2	10.4E	9.3Z	59 55.614	-0.0018	12	-44 3 5.70	-0.003	12	0.65	55.705	28	99.8	5.55	28	99.8	K2	C2	12981	P -43 6946
3	10.1E	9.4Y	15 0 1.327	-0.0006	12	-49 28 33.05	-0.006	12	0.65	1.355	31	01.4	32.77	28	01.4	AO	C2	12980	P -49 7030
4	9.4E	7.9M	0 5.449	-0.0010	12	-41 4 34.25	0.001	12	0.86	5.500	63	98.5	34.28	57	98.5	G2	C2	12983	P -40 6792
5	9.5E	9.0Z	0 7.811	0.0006	12	-42 53 38.73	0.006	12	0.66	7.782	28	99.1	41.07	28	99.1	G5	C2	12982	P -42 6887
6	9.5E	9.3Z	0 8.115	-0.0099	12	-42 59 34.08	-0.065	12	0.74	8.412	45	99.8	31.33	45	99.8	F8	C2	12984	P -42 6888
7	8.9E	6.7M	0 17.574	-0.0089	12	-45 36 40.70	-0.038	12	0.68	17.716	63	98.5	38.72	57	98.5	F5	C2	12987	P -40 6783
8	9.8E	9.2Z	0 23.488	-0.0012	12	-45 36 0.04	-0.005	12	0.72	23.544	45	02.8	30.08	45	02.8	F0	C2	12986	P -45 7100
9		10.1M	0 28.632	-0.0047	20	-44 44 3.22	-0.005	20	0.91	28.841	24	05.2	3.01	24	05.2	G5	C2	20241	C -44 9916
10	8.9E	9.0Z	0 40.279	-0.0089	12	-43 32 40.02	-0.023	12	0.73	40.416	45	01.5	36.91	45	01.5	A3	C2	12980	P -43 6896
11	9.8E	9.2Y	0 41.041	-0.0012	12	-40 20 57.18	-0.023	12	0.86	41.101	63	98.5	56.08	57	98.5	A0	C2	12983	P -40 6788
12	10.3E	9.0Z	0 41.478	-0.0008	12	-49 6 43.54	-0.023	12	0.71	41.514	45	03.5	48.48	45	03.5	A0	C2	12988	P -48 7082
13	10.1E	9.3Z	0 52.472	-0.0017	12	-49 32 51.58	-0.028	12	0.72	52.553	45	02.4	90.39	45	02.4	A2	C2	12981	P -48 7086
14	10.3E	9.7Z	0 53.108	-0.0010	12	-49 32 52.45	-0.022	12	0.72	53.156	45	02.4	51.42	45	02.4	A2	C2	12982	P -48 7086
15	9.7E	8.0Z	0 59.290	-0.0016	12	-47 46 55.75	-0.033	12	0.71	59.364	45	03.3	54.20	45	03.3	G0	C2	12984	P -47 6990
16	9.1E	8.5Z	1 2.877	0.0008	12	-49 14 31.18	-0.025	12	0.72	2.846	45	02.4	30.01	45	02.4	K0	C2	12985	P -48 7082
17	10.1E	9.8Z	1 9.530	-0.0008	12	-49 27 59.91	-0.020	12	0.72	9.586	45	02.4	58.97	45	02.4	A0	C2	12986	P -49 7080
18		8.0T	1 16.622	-0.0029	22	-43 42 3.56	-0.046	22	1.07	16.486	19	03.1	3.40	19	02.9	K0	C2	20254	C -43 9397
19	9.7E	9.3Z	1 23.321	-0.0009	12	-42 15 40.68	-0.017	12	0.67	23.365	28	98.8	39.81	28	98.8	A0	C2	12912	P -41 7021
20	9.8E	9.3W	1 23.950	-0.0039	12	-44 20 2.63	-0.029	12	0.65	24.140	31	01.4	1.22	28	01.4	F8	C2	12911	P -44 7143
21	9.3E	8.5Z	1 28.673	-0.0004	12	-48 59 3.82	-0.010	12	0.71	28.690	45	03.5	3.37	45	03.5	K0	C2	12910	P -48 7085
22		6.4T	1 27.884	-0.0014	10	-40 38 59.93	-0.042	07	0.41	27.943	14	07.1	57.96	14	03.7	M8	C2	20282	C -40 9843
23	9.4E	9.5Z	1 29.486	-0.0017	12	-43 36 38.12	-0.007	12	0.73	29.551	45	01.5	37.80	45	01.5	A2	C2	12913	P -43 6884
24	9.6E	9.5Z	1 30.628	-0.0035	12	-42 8 58.55	-0.020	12	0.67	39.007	28	98.3	57.51	28	98.3	F5	C2	12918	P -41 7025
25		9.1T	1 40.386	-0.0006	17	-45 23 33.91	-0.028	17	0.83	40.394	19	02.6	32.57	19	02.1	A3	C2	20270	C -45 9829
26		4.0T	1 42.170	-0.0019	04	-46 51 24.82	-0.021	03	0.22	42.263	07	01.0	23.70	07	96.5	B5	C2	20271K	C*-46 9773
27	10.1E	9.2Z	1 45.460	-0.0023	12	-47 22 54.36	-0.029	12	0.65	45.571	31	01.7	52.98	28	01.7	F3	C2	12917	P -47 6978
28	9.1E	9.0Z	1 46.633	0.0022	12	-42 56 18.19	-0.030	12	0.74	46.524	45	99.9	16.70	45	99.9	G0	C2	12920	P -42 6888
29		8.6T	1 52.461	-0.0006	18	-44 43 35.34	0.009	20	0.91	52.509	19	03.2	35.77	19	03.0	B9	C2	20273	C -44 9840
30		8.7T	1 54.377	-0.0022	22	-45 24 10.78	0.009	26	1.06	54.472	24	06.7	11.17	26	07.5	A5	C2	20274	C -45 9831
31	9.1E	8.9Z	1 54.571	-0.0083	12	-47 58 36.86	-0.105	12	0.71	54.958	45	03.3	31.95	45	03.3	G0	C2	12919	P -47 6977
32	9.0E	8.0M	1 55.336	-0.0035	12	-40 22 33.57	-0.024	12	0.68	55.516	28	98.0	32.29	28	98.0	K2	C2	12925	P -40 6807
33	11.0E	9.8M	2 1.265	0.0012	12	-49 28 55.22	-0.013	12	0.72	1.226	45	02.4	54.62	45	02.4	G5	C2	12922	P -48 7076
34	10.4E	9.3Z	2 2.112	0.0001	12	-49 28 45.93	-0.012	12	0.72	2.105	45	02.4	45.37	45	02.4	G5	C2	12923	P -49 7076
35		5.3T	2 3.595	0.0017	06	-40 52 24.69	-0.007	05	0.27	3.517	10	04.5	24.32	10	00.1	K0	C2	20278K	C*-40 9857
36		8.9T	2 7.010	-0.0007	20	-45 11 19.48	0.005	22	0.96	7.040	24	06.0	19.71	24	05.9	A5	C2	20279	C -44 9842
37	9.4E	9.3Z	2 16.320	0.0017	12	-45 46 11.55	-0.007	12	0.72	16.241	45	02.8	11.21	45	02.8	F5	C2	12931	P -45 7194
38	11.6E	10.2M	2 17.180	0.0021	12	-45 46 8.15	-0.007	12	0.72	17.082	45	02.8	7.77	45	02.8	F5	C2	12932	P -45 7194
39		6.7T	2 33.767	0.0009	18	-48 41 23.22	0.002	28	0.57	33.721	22	00.3	23.35	17	95.4	B3	C2	20287	C -48 9806
40		8.5T	2 37.751	0.0029	18	-44 48 36.55	0.001	17	0.85	37.617	24	03.8	36.59	22	03.1	K0	C2	20288	C -44 9846
41	9.5E	9.0Z	2 38.756	0.0020	12	-46 44 36.50	-0.004	12	0.67	38.662	36	03.0	26.31	36	03.0	F5	C2	12935	P -46 7189
42		8.5T	2 41.898	-0.0012	26	-49 4 57.06	-0.162	26	1.17	41.947	21	05.1	29.79	21	05.0	K0	C2	20289	C -48 9807
43	9.4E	8.5Z	3 9.937	0.0027	12	-46 16 3.55	0.011	12	0.67	9.811	36	03.0	4.07	36	03.0	G5	C2	12941	P -45 7202
44	9.3E	8.0Z	3 11.629	-0.0046	12	-48 4 59.77	-0.033	12	0.63	11.847	28	02.4	58.19	28	02.4	F2	C2	12938	P -47 6897
45	9.4E	9.0Z	3 12.283	-0.0043	12	-49 19 38.21	-0.012	12	0.65	12.296	31	01.4	37.64	28	01.4	A2	C2	12937	P -49 7097
46	8.3E	8.3Z	3 14.201	-0.0035	12	-42 41 34.31	-0.022	12	0.65	14.376	28	99.5	33.20	24	99.5	F2	C2	12944	P -42 6905
47	9.4E	9.0Z	3 15.882	-0.0006	12	-46 25 4.31	-0.001	12	0.63	15.892	28	01.9	4.26	28	01.9	A3	C2	12942	P -46 7201
48	9.4E	8.7Z	3 18.937	-0.0008	12	-41 58 56.70	0.012	12	0.66	18.977	28	99.0	57.33	24	99.0	K0	C2	12945	P -41 7052
49		9.2T	3 32.008	0.0035	20	-45 13 25.74	-0.056	20	0.91	31.853	24	05.5	25.29	24	05.1	G0	C2	20304	C*-44 9858
50	9.3E	9.2M	3 36.859	0.0013	12	-40 25 8.58	-0.004	12	0.66	36.792	28	99.0	8.35	28	99.0	A2	C2	12950	P -40 6819
51	9.0E	8.8Z	15 3 40.187	-0.0004	12	-45 38 34.04	-0.006	12	0.64	40.207	28	01.7	33.67	28	01.7	A0	C2	12948	P -45 7205
52	10.0E	9.0Z	3 42.975	-0.0017	12	-49 4 55.40	-0.017	12	0.71	43.053	45	03.3	54.63	45	03.3	A2	C2	12947	P -48 7108
53		9.1T	3 46.800	-0.0114	26	-47 47 42.54	-0.065	26	1.18	47.316	21	04.7	39.60	21	04.7	F0	C2	20309	C -47 9703
54	10.4E	9.9M	3 55.504	-0.0051	12	-41 29 55.61	-0.030	12	0.74	55.757	45	00.3	54.10	45	00.3	F0	C2	12955	P -41 7038
55	10.1E	8.7Z	3 56.252	-0.0046	12	-41 29 58.72	-0.033	12	0.74	56.480	45	00.3	57.06	45	00.3	F0	C2	12956	P -41 7038
56		5.8T	3 56.373	0.0015	09	-48 53 47.99	0.015	07	0.35	56.315	14	12.0	48.66	14	06.9	K0	C2	20315	C -48 9630
57	7.9E	8.0Z	3 59.506	0.0003	12	-48 6 22.68	-0.006	12	0.66	59.491	36	03.7	22.42	36	03.7	A5	C2	12953	P -47 6906
58	8.6E	8.8Z	4 12.852	0.0005	12	-42 54 58.35	0.001	12	0.66	12.825	28	99.4	58.43	28	99.4	A2	C2	12959D	P*-42 6913
59	9.9E	9.0Z	4 17.088	-0.0013	12	-42 25 8.67	-0.005	12	0.66	17.133	28	99.4	8.43	28	99.4	A5	C2	12962	P -42 6915
60		8.8T	4 21.098	0.0012	12	-47 29 50.85	-0.019	10	0.61	21.039	22	99.7	49.82	21	95.6	K2	C2	20324	C -47 9710
61	10.3E	9.0Z	4 21.554	-0.0031	12	-41 30 7.99	-0.034	12	0.66	21.711	28	99.2	6.25	28	99.2	F0	C2	12965	P -41 7041
62	10.3E	9.3Z	4 25.946	-0.0004	12	-49 37 14.86	-0.000	12	0.72	25.963	45	02.3	14.83	45	02.3	K0	C2	12960	P -49 7721
63	9.3E	9.0Z	4 26.122	0.0001	12	-45 46 20.95	-0.012	12	0.72	26.119	45	02.4	20.38	45	02.4	A0	C2	12964	P -45 7209
64	13.2E	10.8M	4 26.278	-0.0001	12	-49 37 7.03	0.015	12	0.72	26.280	45	02.3	7.72	45	02.3	K0	C2	12961	P -49 7721
65	9.1E	8.3Z	4 29.490	-0.0002	12	-45 29 47.47	-0.008	12	0.72	29.500	45	02.4	47.10	45	02.4	K0	C2	12966	P -45 7210
66	9.4E	9.6Z	4 30.497	-0.0008	12	-48 21 21.95	-0.003	12	0.71	30.528	45	03.3	21.82	45	03.3	A2	C2	12963	P -48 7184
67	9.2E	9.1Z	4 33.692	-0.0041	12	-44 37 55.31	-0.034	12	0.72	33.888	45	02.5	53.71	45	02.5	F8	C2	12967	P -44 7176
68		7.4T	4 35.186	-0.0106	18	-45 23 10.87	-0.116	20	0.91	35.661	21	03.2	5.48	19	03.5	G5	C2	20328	C -45 9884
69		7.5T	4 41.212	-0.0014	15	-43 31 13.84	-0.017	11	0.68	41.281	18	00.7	12.94	17	96.7	A0	C2	20330	C -43 9841
70	9.2E	8.3Z	4 46.340	-0.0003	12	-49 56 10.69	-0.002	12	0.65	46.352	31	01.3	10.60	28	01.3	F5	C2	12969	P -49 7725
71	9.1E	8.5Z	4 49.579	-0.0019	12	-48 10 42.44	-0.003	12	0.70	49.686	45	04.4	42.31	45	04.4	A2	C2	12971	P -47 6917
72	9.1E	8.5Z	4 51.344	-0.0004	12	-47 38 26.75	0.000	12	0.70	51.363	45	04.4	26.76	45	04.4	A0	C2	12972	P -47 6916
73	9.5E	8.5Z	4 54.498	-0.0032	12	-40 36 39.00	-0.018	12	0.84	54.651	63	01.3	38.11	57	01.3	K2	C2	12973	P -40 6825
74		8.0T	4 56.981	-0.0033	13	-40 23 33.14	-0.050	11	0.84	57.128	17	99.8	30.45	15	96.6	A0P	C2	20335	C -40 9305
75	10.2E	9.5Z	5 9.444	0.0016	12	-48 7 13.80	-0.018	12	0.70	9.372	45	04.4	12.98	45	04.4		C2	12974	P -47 6921
76	11.0E	9.8Z	5 10.447	0.0023	12	-48 7 10.80	-0.028	12	0.70	10.343	45	04.4	9.53	45	04.4		C2	12975	P -47 6921
77	9.7E	9.0Z	5 19.033	0.0005	12	-41 7 39.60	-0.009	12	0.84	19.028	63	01.3	39.14	57	01.3	A5	C2	12984	P -40 6887
78	10.2E	9.3W	5 20.055	0.0015	12	-47 7 37.42	-0.012	12	0.65	19.984	31	01.7	36.85	28	01.7	A0	C2	12979	P -46 7222
79		6.0T	5 20.498	-0.0025	15	-42 40 36.21	-0.021	11	0.69	20.583	22	00.9	35.08	19	95.4	B5	C2	20350	C*-42 10080
80	8.0E	8.5Z	5 21.167	-0.0017	12	-44 17 36.44	-0.023	12	0.84	21.252	28	01.2	35.33	28	01.2	A0	C2	12981	P -44 7162
81	9.3E	8.5Z	5 23.808	0.0002	12	-40 45 42.88	-0.016	12	0.84	23.798	63	01.3	42.08	57	01.3	K0	C2	12988	P -40 6828
82	8.3	8.3W	5 28.817	-0.0028	13	-40 5 40.63	-0.016	13	0.28	28.858	15	35.5	40.40	21	35.5	A5	C8	7414	C -39 9578
83		4.4T	5 27.871	-0.0015	07	-45 5 19.99	-0.022	06	0.44	27.982	17	88.4	18.52	14	82.9	B3	C2	20356K	C*-44 9859
84	9.4E	8.5Z	5 28.558	-0.0032	12	-48 22 28.75	0.007	12	0.65	28.712	31	02.0	29.09	28	02.0	F0	C2	12982	P -48 7144
85		8.6T	5 28.646	-0.0008	26	-42 39 22.87	-0.025	22	1.10	29.032	24	05.1	21.76	24	04.7	F0	C2	20357	C -42 10093
86	9.9E	9.0Z	5 29.829	-0.0008	12	-49 48 21.45	-0.024	12	0.72	29.865	45	02.3	20.32	45	02.3	F8	C2	12980	P -49 7742
87	8.8E	8.7Y	5 31.283	-0.0008	12	-47 56 52.61	-0.008	12	0.84	31.302	31	02.4	52.23	28	02.4	A0	C2	12986	P -47 6924
88	9.4E	9.0Z	5 35.709	-0.0009	12	-45 3 32.73	-0.005	12	0.72	35.733	45	02.5	32.51	45	02.5	F5	C2	12991	P -44 7191
89	9.4E	8.5Z	5 37.422	-0.0031	12	-41 34 28.20	-0.034	12	0.74	37.575	45	00.3	24.49	45	00.3	K0	C2	12993	P -41 7050
90	10.0E	8.5Z	5 39.016	-0.0007	12	-48 28 7.97	-0.005	12	0.71	39.049	45	03.3	7.75	45	03.3	G5	C2	12990	P -48 7147
91	10.1E	8.5Z	5 46.988	-0.0009	12	-49 41 14.36	-0.014	12	0.72	47.007	45	02.3	13.71	45	02.3	K0	C2	12992	P -49 7748
92	9.3E	8.0Z	6 10.284	-0.0003	12	-40 58 36.76	0.035	12	0.84	10.278	63	01.3	38.45	57	01.3	K2	C2	12995	P -40 6833
93	8.9E	8.5Z	6 20.018	-0.0005	12	-44 22 17.45	-0.015	12	0.72	20.044	45	02.5	16.75	45	02.5	B8	C2	12996	P -44 7201
94	9.8E	8.5Z	6 28.840	-0.0059	12	-49 3 24.27	0.035	12	0.65	29.122	31	02.0	25.97	28	02.0	G0	C2	12997	P -48 7158
95	8.8E	8.5Z	6 30.295	-0.0015	12	-44 27 47.31	-0.015	12	0.72	30.368	45	02.5	46.61	45	02.5	K0	C2	12998	P -44 7203
96	9.7E	9.4Z	6 35.345	0.0013	12	-43 46 1.87	-0.001	12	0.65	35.282	28	00.2	1.84	28	00.2	F0	C2	13001	P -43 6896
97	9.0E	8.2Z	6 35.704	-0.0012	12	-45 48 27.06	0.003	12	0.72	35.739	45	02.4	27.21	45	02.4	K2	C2	12999	P -45 7230
98	9.0E	9.0Z	6 42.884	-0.0013	12	-42 7 23.29	0.000	12	0.66	42.780	28	99.2	23.30	28	99.2	A2	C2	13008	P -41 7057
99	7.8E	8.0Z	6 44.220	-0.0007	12	-40 59 22.62	-0.001	12	0.84	44.255	63	01.3	22.57	57	01.3	B9	C2	13009	P -40 6837
00	10.0E	9.0Z	6 48.089	-0.0017	12	-47 39 31.04	0.002	12	0.70	48.167	45	04.4	31.15	45	04.4	A2	C2	13007	P -47 6934

225500			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-40° 15H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.4E	8.0Z	15 6 49.763	0.0010	12	-48 48 23.89	-0.000	12	0.71	49.716	45	03.3	23.87	45	03.3	G5	CZ	13006	P -48 7169	
2	9.3E	8.5Z	6 54.736	-0.0015	12	-40 48 53.74	-0.023	12	0.84	54.809	63	01.3	52.60	57	01.3	F8	CZ	13012	P -40 6839	
3	7.8E	8.0Z	7 1.848	-0.0003	12	-40 49 5.42	-0.016	12	0.84	1.864	63	01.3	4.63	57	01.3	A0	CZ	130130	P*-40 6840	
4	9.8E	8.2Z	7 3.285	0.0004	12	-47 25 21.60	0.005	12	0.70	3.268	45	04.4	21.84	45	04.4	K5	CZ	13011	P -47 6937	
5		8.7T	7 4.216	-0.0057	20	-41 18 18.23	-0.037	17	0.89	4.483	19	02.9	16.40	18	01.2	G5	GC	20387	C -41 9563	
6	9.9	9.5W	7 6.198	-0.0055	13	-40 2 51.66	-0.053	13	0.26	6.278	15	35.5	50.90	21	35.5	G0	C8	7429	C -39 9605	
7	9.4E	8.7Z	7 6.618	-0.0088	12	-49 57 42.98	-0.060	12	0.72	7.036	45	02.3	40.13	45	02.3	G5	CZ	13010	P -49 7767	
8		7.3T	7 21.010	0.0018	15	-43 32 22.77	-0.096	11	0.69	20.924	19	02.1	17.60	21	96.1	G0	GC	20390	C -43 9677	
9	9.4E	9.8Z	7 22.172	0.0009	12	-45 52 40.48	0.010	12	0.65	22.131	31	01.0	40.97	28	01.0	G5	CZ	13016	P -45 7245	
10		7.8T	7 22.583	0.0009	17	-43 31 33.86	-0.081	13	0.77	22.541	24	03.3	29.73	21	98.9	G0	GC	20392	C -43 9678	
11	10.1E	9.4Z	7 47.560	-0.0004	12	-43 51 24.29	0.059	12	0.68	47.581	36	02.2	27.12	36	02.2	G0	CZ	13021	P -43 6905	
12	10.0E	9.0Z	7 50.952	-0.0005	12	-48 40 10.28	0.003	12	0.66	50.974	36	03.4	10.42	36	03.4	A0	CZ	13019	P -48 7192	
13	8.0E	8.5Z	7 51.789	-0.0019	12	-43 38 40.80	-0.019	12	0.68	51.878	36	02.2	39.87	36	02.2	F0	CZ	13023	P -43 6907	
14	8.3E	7.8M	7 57.608	0.0035	12	-40 31 38.09	-0.022	12	0.84	57.437	63	01.3	37.00	57	01.3	F2	CZ	13026	P -40 6841	
15	9.2E	9.0Z	8 0.554	0.0009	12	-44 51 27.96	0.002	12	0.67	0.513	36	02.5	28.07	36	02.5	A5	CZ	13025	P -44 7217	
16		7.1T	8 8.423	0.0023	12	-45 5 25.33	-0.058	10	0.60	8.307	18	99.9	22.06	19	93.5	K0	GC	20403	C -44 9921	
17		6.4T	8 11.568	-0.0009	12	-45 5 21.97	0.011	09	0.60	11.613	19	99.0	22.60	19	92.8	K0	GC	20405K	C*-44 9922	
18	8.7E	8.8Z	8 17.283	-0.0023	12	-42 32 21.32	-0.016	12	0.65	17.398	26	99.7	20.52	24	99.7	A0	CZ	13034	P -42 6936	
19	9.8E	8.2Z	8 17.514	0.0010	12	-49 26 59.88	-0.010	12	0.72	17.467	45	02.3	59.38	45	02.3	K0	CZ	13028	P -49 7778	
20	10.6E	9.8*	8 19.598	-0.0007	12	-46 55 3.32	-0.007	12	0.63	19.633	28	01.9	2.99	26	01.9		CZ	13030	P -46 7250	
21	9.5E	8.7Z	8 21.266	-0.0015	12	-43 2 54.52	0.001	12	0.65	21.340	26	99.7	54.59	24	99.7	K0	CZ	13037	P -42 6937	
22	9.5E	9.2Z	8 21.799	-0.0017	12	-42 0 7.65	-0.020	12	0.65	21.884	26	99.8	6.66	24	99.8	B9	CZ	13038	P -41 7068	
23	9.2E	8.0Z	8 24.355	0.0011	12	-46 33 49.88	0.009	12	0.63	24.303	28	01.9	50.31	26	01.9	MA	CZ	13035	P -46 7252	
24	8.5E	8.5Z	8 26.014	-0.0018	12	-47 23 29.54	-0.027	12	0.62	26.101	28	02.7	28.27	26	02.7	A3	CZ	13036D	P*-47 6946	
25		4.1H	8 26.767	-0.0097	03	-48 32 57.12	-0.049	03	0.13	27.148	07	10.8	55.22	06	11.6	B9	F4	1398	C -48 9704	
26		6.0T	8 28.350	-0.0103	11	-48 33 18.67	-0.042	08	0.52	28.874	19	99.0	16.31	17	93.3	A0	GC	20411	C*-48 9705	
27	9.6E	9.5Z	8 34.087	-0.0028	12	-40 48 22.74	-0.018	12	0.84	34.223	63	01.3	21.85	57	01.3	A0	CZ	13044	P -40 6844	
28		8.0T	8 41.196	-0.0027	18	-44 49 27.35	0.013	20	0.91	41.323	21	03.2	27.97	19	03.0	B9	GC	20419K	C*-44 9928	
29	9.7E	8.5Z	8 42.177	0.0035	12	-48 43 18.57	0.022	12	0.63	42.010	28	02.4	19.64	26	02.4	F2	CZ	13040	P -48 7201	
30	10.4E	8.5Z	8 45.024	0.0014	12	-48 23 2.44	-0.019	12	0.66	44.959	36	03.4	1.55	36	03.4	K0	CZ	13043	P -48 7208	
31	9.9E	9.0Z	8 46.903	-0.0002	12	-49 54 23.03	-0.006	12	0.72	46.911	45	02.3	22.76	45	02.3	B9	CZ	13041	P -49 7797	
32	9.5E	9.5Z	8 53.316	-0.0009	12	-42 40 26.25	-0.013	12	0.73	53.359	45	01.4	25.62	45	01.4	A0	CZ	13050	P -42 6939	
33		6.3T	9 2.489	-0.0013	14	-48 1 50.81	-0.030	11	0.67	2.553	19	00.3	49.19	18	96.2	K0	GC	20426	C -47 9779	
34	10.0E	8.5Z	9 6.153	0.0102	12	-49 42 32.33	0.019	12	0.72	5.665	45	02.3	33.25	45	02.3	G5	CZ	13048D	P*-49 7812	
35	9.9E	9.0Z	9 10.379	-0.0022	12	-40 47 30.19	-0.007	12	0.84	10.486	63	01.3	29.83	57	01.3	A3	CZ	13057	P -40 6850	
36	9.3E	9.0Z	9 11.656	0.0001	12	-46 34 35.63	-0.005	12	0.71	11.652	45	03.4	35.40	45	03.4	B9	CZ	13052	P -46 7259	
37	10.2E	9.6Z	9 16.072	-0.0022	12	-47 46 34.85	-0.004	12	0.65	16.174	36	04.1	34.66	36	04.1	A3	CZ	13054	P -47 6953	
38	9.6E	8.5Z	9 19.018	0.0005	12	-46 42 29.81	-0.004	12	0.71	19.006	45	03.4	29.63	45	03.4	G5	CZ	13056	P -46 7261	
39		4.9T	9 27.370	-0.0032	07	-44 18 47.18	-0.031	05	0.29	27.505	10	07.8	45.73	10	03.1	B3	GC	20435	C*-44 9932	
40	9.2E	8.5Z	9 31.227	-0.0009	12	-49 45 55.43	-0.003	12	0.64	31.268	28	01.6	55.30	26	01.6	A3	CZ	13059	P -49 7820	
41	9.7E	9.3*	9 31.684	-0.0016	12	-40 20 10.59	-0.023	12	0.66	31.765	28	99.0	9.40	26	99.0	A0	CZ	13063	P -40 6855	
42		8.1T	9 31.692	0.0009	18	-44 46 18.42	-0.014	20	0.91	31.650	19	03.2	17.77	19	03.0	G5	GC	20437	C -44 9933	
43	10.7E	10.0M	9 32.822	-0.0017	12	-40 20 23.18	-0.009	12	0.84	32.904	63	01.3	22.73	57	01.3	A0	CZ	13064	P -40 6855	
44	9.9E	8.0Z	9 34.350	-0.0011	12	-48 35 25.51	-0.010	12	0.72	34.401	45	02.9	25.04	45	02.9	K2	CZ	13060	P -48 7218	
45	10.0E	9.1Z	9 48.410	0.0020	12	-49 7 37.89	-0.010	12	0.72	48.316	45	02.9	37.44	45	02.9	G5	CZ	13065	P -48 7224	
46	9.5E	9.0Z	10 5.434	0.0004	12	-48 15 46.27	-0.017	12	0.72	5.416	45	02.9	45.48	45	02.9	A0	CZ	13066	P -47 6959	
47	7.9E	8.5Z	10 5.828	-0.0015	12	-44 0 36.93	0.017	12	0.65	5.903	28	00.3	37.80	26	00.3	A0	CZ	13070	P -43 6923	
48		10.5T	10 8.280	0.0079	13	-47 52 54.87	-0.061	11	0.64	7.898	24	01.8	51.69	22	97.8	A5	GC	20449	C -47 9790	
49	9.6E	9.0Z	10 12.222	-0.0016	12	-41 58 45.60	-0.021	12	0.73	12.298	45	01.3	44.59	45	01.3	A3	CZ	13071	P -41 7084	
50	9.7E	9.0Z	10 21.482	-0.0030	12	-44 23 14.03	-0.050	12	0.72	21.626	45	02.5	11.66	45	02.5	K0	CZ	13072	P -44 7240	
51	7.5E	8.0Z	15 10 21.710	-0.0018	12	-41 18 26.81	-0.007	12	0.64	21.801	24	99.9	26.45	20	99.9	B9	CZ	13073	P -41 7087	
52		8.0T	10 33.938	-0.0041	16	-43 10 12.97	-0.008	16	0.85	34.129	18	02.9	12.59	22	00.1	G5	GC	20462	C -4210143	
53	9.9E	9.4H	10 34.496	-0.0029	12	-40 13 50.31	-0.032	12	0.84	34.637	63	01.3	48.73	57	01.3	F8	CZ	13076	P -39 6604	
54	7.3E	8.0Z	10 36.181	-0.0036	12	-43 36 27.19	0.003	12	0.73	38.355	45	02.0	27.32	45	02.0	A2	CZ	13075D	P*-43 6926	
55	9.4E	8.5Z	10 42.250	-0.0240	12	-41 16 24.72	-0.257	12	0.73	43.418	45	01.3	12.20	45	01.3	G0	CZ	13079	P -40 6871	
56	9.7E	8.5Z	10 42.449	-0.0243	12	-41 16 7.78	-0.246	12	0.73	43.632	45	01.3	55.78	45	01.3	G0	CZ	13080	P -40 6870	
57	9.2E	9.4H	10 47.842	-0.0005	12	-45 24 38.67	-0.007	12	0.65	47.867	31	01.1	38.33	28	01.1	A2	CZ	13078	P -45 7275	
58	9.7E	9.0Z	10 48.612	-0.0014	12	-41 22 0.73	-0.004	12	0.73	48.679	45	01.3	0.52	45	01.3	F2	CZ	13083	P -41 7096	
59	10.2E	9.0*	10 51.719	-0.0000	12	-48 19 15.67	0.005	12	0.65	51.719	31	01.7	15.91	28	01.7	K0	CZ	13077	P -48 7244	
60	9.4E	9.2Z	10 51.929	-0.0009	12	-46 2 6.66	-0.019	12	0.65	51.975	31	01.1	5.74	28	01.1	K0	CZ	13082	P -45 7276	
61	9.1E	9.0Z	10 53.922	-0.0006	12	-47 20 29.90	-0.011	12	0.71	53.951	45	04.0	29.40	45	04.0	A2	CZ	13081	P -47 6966	
62	9.5E	8.9Z	10 55.856	-0.0032	12	-42 31 13.31	-0.013	12	0.73	56.011	45	01.4	12.68	45	01.4	A3	CZ	13087	P -42 6957	
63	9.6E	8.9H	10 58.496	-0.0029	12	-40 21 15.58	0.004	12	0.84	58.636	63	01.3	15.75	57	01.3	G5	CZ	13088	P -40 6876	
64	7.2E	8.0Z	11 0.796	-0.0036	12	-46 51 6.20	-0.011	12	0.71	0.964	45	03.4	5.70	45	03.4	A3	CZ	13086	P -46 7279	
65	9.5E	8.7Z	11 5.012	-0.0002	12	-49 37 14.11	0.001	12	0.72	5.019	45	02.3	14.18	45	02.3	A0	CZ	13084	P -49 7864	
66	8.2E	8.7Z	11 9.513	-0.0028	12	-45 42 29.47	-0.099	12	0.72	9.649	45	02.5	24.78	45	02.5	F8	CZ	13089	P -45 7280	
67		6.9T	11 10.109	-0.0053	15	-43 12 4.50	-0.022	12	0.70	10.358	22	02.5	3.38	21	97.9	A2	GC	20472K	C -4210157	
68	8.2E	8.5Z	11 11.012	0.0003	12	-43 11 57.36	-0.012	12	0.73	10.996	45	02.0	56.76	45	02.0	A2	CZ	13091D	P -42 6963	
69		10.5Q	11 15.493	0.0076	16	-47 50 46.99	-0.007	14	0.94	15.064	36	93.7	46.57	34	89.9	MB	GC	20473	C -47 9805	
70	10.0E	8.5Z	11 25.039	-0.0038	12	-49 8 1.10	-0.016	12	0.72	25.218	45	02.9	0.37	45	02.9	F0	CZ	13092	P -48 7255	
71	9.6E	9.4Z	11 27.053	-0.0006	12	-47 33 24.16	-0.005	12	0.71	27.081	45	04.0	23.94	45	04.0	B9	CZ	13093	P -47 6972	
72	9.2E	8.0Z	11 30.051	0.0013	12	-48 33 44.10	-0.007	12	0.72	29.988	45	02.9	43.77	45	02.9	K0	CZ	13095	P -48 7257	
73	9.4E	9.0Z	11 30.595	-0.0014	12	-44 7 53.45	-0.004	12	0.73	30.624	45	02.0	33.26	45	02.0	A5	CZ	13096	P -43 6936	
74	7.8E	8.0Z	11 30.629	-0.0032	12	-42 8 3.73	-0.003	12	0.66	30.791	28	99.7	3.60	26	99.7	A0	CZ	13097	P -41 7098	
75	9.7E	9.0Z	11 38.999	-0.0014	12	-44 12 50.82	-0.034	12	0.72	39.067	45	02.5	49.21	45	02.5	G0	CZ	13098	P -43 6938	
76	10.5E	9.5Z	11 40.224	-0.0006	12	-43 9 34.67	-0.012	12	0.65	40.253	28	99.9	34.09	26	99.9		CZ	13100	P -42 6965	
77	9.1E	9.0Z	11 41.721	-0.0013	12	-44 10 38.65	-0.002	12	0.73	41.785	45	02.0	38.57	45	02.0		CZ	13099	P -43 6939	
78	8.3E	8.5Z	11 42.268	0.0004	12	-44 12 15.87	-0.022	12	0.72	42.251	45	02.5	14.84	45	02.5	A	CZ	13102	P -43 6940	
79	9.5E	9.0Z	11 46.005	-0.0002	12	-46 23 10.98	-0.011	12	0.65	46.017	31	01.7	10.46	28	01.7	A5	CZ	13101	P -46 7281	
80	9.6E	9.8Z	11 47.100	-0.0001	12	-45 27 23.34	-0.004	12	0.72	47.105	45	02.5	23.16	45	02.5	F5	CZ	13103	P -45 7290	
81	9.7E	9.5Z	11 54.033	-0.0002	12	-45 41 59.55	-0.014	12	0.72	54.045	45	02.5	58.90	45	02.5	A0	CZ	13105	P -45 7292	
82		7.0T	11 57.558	-0.0022	15	-43 57 51.54	-0.024	11	0.69	57.663	18	02.4	50.28	21	97.2	B9	GC	20488K	C -43 9739	
83	10.4E	9.9H	11 58.467	0.0002	12	-43 57 39.93	-0.008	12	0.73	58.459	45	02.0	39.57	45	02.0	B9	CZ	13108	P -43 6944	
84	8.7E	8.0Z	12 0.084	-0.0005	12	-48 1 39.00	-0.012	12	0.65	0.108	31	01.7	38.39	28	01.7	A5	CZ	13104D	P*-48 7263	
85	9.7E	9.4Z	12 2.618	-0.0010	12	-42 23 44.28	-0.008	12	0.73	2.665	45	01.4	43.90	45	01.4	A2	CZ	13109	P -42 6969	
86	9.9E	9.8Z	12 11.611	-0.0007	12	-46 38 46.08	-0.002	12	0.71	11.645	45	03.4	45.99	45	03.4	A0	CZ	13110	P -46 7285	
87	9.9E	9.9Z	12 17.092	0.0006	12	-46 15 53.64	-0.008	12	0.71	17.086	45	03.4	53.28	45	03.4	A2	CZ	13112	P -45 7293	
88	9.4E	8.0Z	12 19.794	-0.0012	12	-40 45 57.63	-0.004	12	0.66	19.855	28	99.1	57.41	26	99.1	K0	CZ	13119	P -40 6888	
89	10.6E	9.5*	12 22.227	0.0068	12	-49 55 17.57	0.037	12	0.65	21.895	31	01.3	19.39	28	01.3		CZ	13111	P -49 7890	
90		6.2T	12 24.337	0.0018	07	-47 53 21.72	-0.034	06	0.33	24.252	14	03.3	19.96	12	98.3	A2	GC	20496K	C -47 9824	
91	9.4E	8.5Z	12 25.073	-0.0010	12	-49 41 38.70	-0.015	12	0.72	25.118	45	02.3	38.00	45	02.3	K0	CZ	13113	P -49 7891	
92	8.1E	8.5Z	12 28.514	-0.0010	12	-46 58 24.52	-0.019	12	0.65	28.563	31	01.8	23.62	28	01.8	A2	CZ	13116	P -46 7288	
93	9.6E	9.4Z	12 29.315	0.0004	12	-44 56 25.07	0.018	12	0.72	29.297	45	02.5	25.94	45	02.5	B9	CZ	13120	P -44 7262	
94	8.7E	8.0Z	12 30.972	-0.0016	12	-48 49 55.83	-0.007	12	0.72	31.047	45	02.9	55.52	45	02.9	A0	CZ	13115	R -48 7277	
95	8.0E	8.5Z	12 33.387	-0.0008	12	-43 43 3.10	-0.007	12	0.73	33.427	45	02.0	2.77	45	02.0	A2	CZ	13122	P -43 6949	
96		9.1T	12 35.522	-0.0036	16	-42 39 34.94	-0.009	14	0.77	35.696	18	00.9	34.50	18	99.4	F5	GC	20498	C -4210188	
97	9.5E	9.1Z	12 36.128	-0.0021	12	-44 0 17.13	-0.021	12	0.61	36.230	24	02.0	16.14	20	02.0	G0	CZ	13123	P -43 6950	
98	9.6E	8.0Z	12 37.169	-0.0027	12	-46 26 26.98	-0.019	12	0.71	37.292	45	03.4	26.10	45	03.4	K5	CZ	13121	P -46 7292	
99		9.0T	12 42.676	-0.0079	18	-45 17 49.41	-0.049	18	0.89	43.050	19	02.5	47.09	19	02.5	G0	GC	20502	C*-45 9779	
00		5.2T	12 46.093	-0.0005	07	-41 18 25.19	-0.009	05	0.30	46.113	12	07.5	24.73	12	00.9	+++	GC	20503	C*-41 9682	

225600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.6T	15 12 47.733	-0.0013	12	-47 51 36.72	0.000	10	0.60	47.797	19	99.8	36.72	17	96.4	A2	GC	20805	C -47 9830
2		6.3T	12 49.384	-0.0007	10	-43 18 2.41	0.000	07	0.40	49.356	15	08.0	2.43	14	02.7	B5	GC	20806	C -43 9749
3		7.7T	13 5.708	0.0038	14	-47 30 48.41	-0.008	12	0.71	5.519	22	01.4	47.99	21	97.7	K0	GC	20810	C -47 9835
4		6.5T	13 5.827	-0.0076	15	-44 19 11.01	-0.049	11	0.68	6.198	19	01.3	8.41	18	96.9	K2	GC	20811	C -44 9883
5	7.8E	8.5Z	13 6.476	-0.0015	12	-43 46 0.42	0.005	12	0.64	6.552	26	00.7	0.69	24	00.7	B8	CZ	13135	P -43 6957
6	9.4E	9.4Z	13 7.882	-0.0007	12	-46 57 28.82	-0.017	12	0.72	7.915	45	02.9	28.04	45	02.9	A0	CZ	13131	P -46 7283
7	8.9E	9.0Z	13 8.388	-0.0041	12	-43 40 17.88	-0.028	12	0.68	8.509	36	01.8	16.65	36	01.8	A0	CZ	13136	P -43 6939
8	10.0E	9.0Z	13 9.805	0.0004	12	-41 10 7.77	-0.010	12	0.66	9.784	29	99.1	6.83	26	99.1	F8	CZ	13137	P -40 6882
9		9.2T	13 10.481	0.0044	13	-48 6 27.19	-0.007	11	0.64	10.269	24	02.0	28.83	22	98.0	M0	GC	20813	C -47 9837
10	9.2	8.8V	13 11.800	0.0029	13	-40 0 14.93	-0.030	13	0.86	11.358	15	35.5	14.50	21	35.5	K5	C8	7500	C -39 9885
11	7.9E	8.5Z	13 16.425	0.0028	12	-44 10 28.27	-0.019	12	0.68	16.290	36	01.8	27.38	36	01.8	F8	CZ	13138	P -43 6961
12		7.0T	13 17.778	-0.0023	16	-42 11 9.90	-0.023	11	0.70	17.884	24	03.3	8.71	21	98.2	B8	GC	20817	C -41 9883
13		6.6T	13 22.952	-0.0060	14	-47 40 49.83	-0.006	11	0.67	23.248	19	00.5	49.51	18	97.0	K0	GC	20818	C -47 9839
14		6.8T	13 29.468	-0.0146	15	-46 1 7.06	-0.028	12	0.72	30.181	19	00.8	5.61	18	98.1	F5	GC	20824	C -45 9791
15	9.5E	9.0Z	13 37.141	-0.0010	12	-40 57 30.11	-0.030	12	0.86	37.192	63	98.5	28.55	57	98.5	F0	CZ	13144	P -40 6885
16	10.1E	9.8Z	13 45.168	0.0003	12	-48 6 49.04	0.007	12	0.66	45.155	36	03.4	49.37	36	03.4	A2	CZ	13142	P -47 7004
17	10.1E	9.6Z	13 49.127	0.0002	12	-47 57 47.51	0.003	12	0.66	49.119	36	03.4	47.65	36	03.4	A2	CZ	13143	P -47 7005
18	9.8E	9.0Z	13 57.600	-0.0082	12	-43 37 26.49	-0.058	12	0.73	57.993	45	02.0	23.69	45	02.0	F8	CZ	13147	P -43 6966
19	9.4E	8.9Z	13 58.634	0.0003	12	-41 44 38.03	-0.014	12	0.67	58.618	28	98.9	37.32	28	98.9	MA	CZ	13148	P -41 7114
20		8.2T	14 3.500	-0.0170	20	-49 12 37.33	-0.040	18	0.91	4.287	19	03.6	35.45	19	02.4	G0	GC	20833	C -48 9791
21	8.7E	8.8Z	14 6.388	-0.0022	12	-43 12 2.18	-0.024	12	0.65	6.498	28	00.3	1.01	26	00.3	A2	CZ	13149	P -42 6986
22	10.8E	9.5Z	14 16.667	-0.0012	12	-46 31 56.38	-0.013	12	0.65	16.727	31	01.0	55.74	28	01.3	K2	GC	20150	P -46 7314
23		7.4T	14 22.553	-0.0021	16	-45 31 56.50	0.003	17	0.84	22.650	24	04.3	56.64	21	04.3	K5	GC	20842	C -45 9805
24	7.4E	8.0Z	14 23.172	-0.0075	12	-45 44 20.88	-0.045	12	0.73	23.533	45	02.0	18.74	45	02.0	F8	CZ	13152	P -45 7321
25	10.0E	9.0Z	14 31.801	-0.0015	12	-43 49 57.33	0.009	12	0.65	31.876	28	00.4	57.78	26	00.4		CZ	13154	P -43 6972
26	9.9E	9.0Z	14 38.951	-0.0020	12	-48 17 36.36	-0.031	12	0.64	39.048	28	01.7	34.87	26	01.7	G0	CZ	13153	P -48 7319
27		7.0T	14 40.256	0.0000	11	-47 43 4.46	0.013	11	0.63	40.255	22	98.8	5.15	21	96.9	F5	GC	20847	C -47 9853
28	9.4E	9.4E	14 44.423	0.0004	12	-44 19 37.55	-0.019	12	0.66	44.405	31	00.8	36.62	28	00.8	A0	CZ	13158	P -44 7282
29	9.8E	8.5Z	14 44.846	0.0004	12	-41 40 56.42	-0.024	12	0.74	44.826	45	99.9	55.20	45	99.9	F2	CZ	13160	P -41 7122
30	9.5E	8.9Z	14 47.068	-0.0014	12	-44 36 39.90	-0.009	12	0.73	47.136	45	02.0	39.48	45	02.0	K5	CZ	13159	P -44 7283
31		6.3T	14 51.578	0.0024	14	-40 52 43.22	0.004	10	0.65	51.459	19	01.0	43.41	17	96.6	A5	GC	20851	C -40 9481
32		8.9T	14 54.231	0.0012	20	-45 28 35.82	0.019	20	0.91	54.177	24	05.6	36.68	24	05.2	A2	GC	20852	C -45 9813
33		7.4T	14 59.575	-0.0117	16	-41 14 11.86	-0.113	11	0.72	+ 0.128	22	02.6	5.80	21	96.6	K0	GC	20853	C -40 9482
34	9.4E	9.7Z	14 59.980	-0.0016	12	-43 25 11.61	-0.015	12	0.73	+ 0.056	45	02.0	10.91	45	02.0	G	CZ	13170	P -43 6975
35	9.4E	9.6Z	15 0.461	-0.0003	12	-44 39 45.20	-0.026	12	0.73	0.476	45	02.0	43.96	45	02.0	A3	CZ	13168	P -44 7286
36	10.2E	8.5Z	15 0.871	-0.0010	12	-47 43 12.01	-0.010	12	0.72	0.918	45	02.9	11.55	45	02.9	A	CZ	13163	P -47 7018
37		9.3T	15 1.677	0.0017	18	-44 39 30.34	-0.022	20	0.91	1.598	21	03.2	29.32	19	03.0	A2	GC	20854	C -44 10006
38		4.4T	15 2.583	-0.0025	07	-47 41 33.45	-0.040	05	0.36	2.718	15	95.5	30.95	12	87.6	B8	GC	20856K	C -47 9860
39		7.2T	15 4.393	-0.0018	09	-47 41 48.24	-0.031	05	0.31	4.459	14	12.7	46.80	12	03.5	A	GC	20857K	C -47 9861
40	8.1E	8.7Z	15 9.468	-0.0033	12	-46 1 11.24	-0.023	12	0.73	9.628	45	02.0	10.14	45	02.0	F0	CZ	13173	P -45 7329
41	9.6E	8.5Z	15 12.800	-0.0013	12	-48 43 28.56	-0.017	12	0.65	12.862	31	01.7	27.76	28	01.7	A0	CZ	13171	P -48 7331
42	9.8E	9.4Z	15 14.798	-0.0009	12	-43 28 42.08	-0.004	12	0.73	14.840	45	02.0	41.91	45	02.0	A0	CZ	13174	P -43 6982
43	9.3E	8.7Z	15 19.499	-0.0003	12	-40 56 29.53	-0.016	12	0.86	19.514	63	98.5	28.69	57	98.5	A2	CZ	13177	P -40 6906
44	9.0E	8.5Z	15 20.207	-0.0004	12	-40 39 9.76	-0.031	12	0.86	20.227	63	98.5	8.15	57	98.5	F0	CZ	13178	P -40 6907
45	10.2E	9.9Z	15 29.574	0.0002	12	-48 35 55.14	0.002	12	0.67	29.563	36	02.8	55.23	36	02.8	A2	CZ	13176	P -48 7338
46	9.7E	9.0Z	15 32.127	-0.0013	12	-44 19 6.67	-0.016	12	0.73	32.191	45	02.0	5.92	45	02.0	F5	CZ	13179	P -44 7291
47		5.8T	15 39.108	-0.0013	07	-40 36 23.30	-0.027	05	0.28	39.164	09	06.4	22.02	09	03.5	B8	GC	20866	C -40 9496
48	10.0E	9.0Z	15 40.787	-0.0017	12	-43 22 3.60	-0.005	12	0.73	40.867	45	02.0	3.38	45	02.0	K0	CZ	13182	P -43 6986
49	9.4E	8.7Z	15 43.484	0.0006	12	-41 9 28.87	-0.003	12	0.86	43.452	63	98.5	28.70	57	98.5	A0	CZ	13186	P -40 6911
50		7.7T	15 47.144	-0.0024	17	-42 15 21.02	-0.014	12	0.76	47.256	22	02.6	20.29	21	97.7	A0	GC	20868	C -41 9748
51	10.1E	9.2Z	15 15 47.169	-0.0001	12	-42 38 4.58	-0.013	12	0.73	47.173	45	01.4	3.95	45	01.4	A0	CZ	13188	P -42 7003
52	9.4E	8.5Z	15 48.352	-0.0011	12	-45 37 22.18	-0.014	12	0.73	48.405	45	02.0	21.51	45	02.0	A2	CZ	13184	P -45 7339
53	9.0E	8.2Z	15 54.245	-0.0006	12	-41 8 1.94	-0.012	12	0.86	54.276	63	98.5	1.30	57	98.5	G5	CZ	13191	P -40 6913
54	10.2E	8.5Z	15 57.828	0.0004	12	-49 26 26.85	0.015	12	0.65	57.809	31	01.4	27.56	28	01.4	K2	CZ	13185	P -49 7968
55	9.4E	9.0Z	15 59.022	-0.0033	12	-45 58 1.05	-0.021	12	0.73	59.178	45	02.0	0.04	45	02.0	F2	CZ	13190	P -45 7341
56	9.9E	9.4H	16 0.361	-0.0014	12	-49 58 30.46	-0.021	12	0.65	0.427	31	01.4	29.46	28	01.4	F8	CZ	13187	P -49 7970
57	9.3E	9.3H	16 6.673	-0.0006	12	-45 17 7.13	-0.019	12	0.66	6.698	31	00.8	6.20	28	00.8	A2	CZ	13193	P -45 7344
58		8.6T	16 12.256	0.0004	20	-45 1 59.54	-0.010	20	0.91	12.238	24	05.6	59.09	24	05.2	K0	GC	20877	C -44 10024
59	9.3E	8.9Z	16 16.985	-0.0001	12	-42 3 25.65	0.001	12	0.74	16.869	45	99.9	25.71	45	99.9	A0	CZ	13195	P -41 7141
60	8.8E	8.7Z	16 34.357	-0.0030	12	-45 54 37.85	-0.028	12	0.73	34.484	45	02.0	36.51	45	02.0	F0	CZ	13197	P -45 7347
61		9.5T	16 34.634	0.0014	20	-44 41 47.14	-0.015	20	0.91	34.572	24	05.6	46.48	24	05.2	F2	GC	20887	C -44 10029
62	9.5E	8.5Z	16 39.353	0.0012	12	-47 34 36.35	0.038	12	0.72	39.297	45	02.9	38.14	45	02.9	G0	CZ	13198	P -47 7043
63	11.3E	9.0H	16 41.319	0.0024	12	-47 35 2.12	-0.004	12	0.72	41.206	45	02.9	1.94	45	02.9		CZ	13200	P -47 7045
64	10.5E	8.5Z	16 42.365	0.0021	12	-47 34 54.63	0.003	12	0.72	42.286	45	02.9	54.78	45	02.9		CZ	13201	P -47 7045
65	9.3E	9.6Z	16 48.729	0.0006	12	-47 51 56.23	0.001	12	0.72	48.701	45	02.9	56.28	45	02.9	A0	CZ	13202	P -47 7047
66	10.1E	8.5Z	16 57.817	-0.0001	12	-47 19 33.87	0.005	12	0.72	57.822	45	02.9	34.12	45	02.9	K2	CZ	13205	P -47 7052
67	9.0E	8.5Z	17 0.466	-0.0011	12	-43 29 41.86	-0.023	12	0.65	0.519	28	00.5	40.74	26	00.5	K2	CZ	13207	P -43 7003
68	10.1E	9.6Z	17 1.604	-0.0008	12	-47 30 47.72	-0.015	12	0.72	1.642	45	02.9	47.11	45	02.9	F0	CZ	13206	P -47 7054
69	9.2E	9.0Z	17 3.045	0.0020	12	-44 7 38.89	0.001	12	0.73	2.950	45	02.0	38.95	45	02.0	F0	CZ	13208	P -43 7004
70	9.2E	9.0Z	17 8.048	-0.0018	12	-42 15 24.07	-0.020	12	0.73	8.135	45	01.4	23.11	45	01.4	F0	CZ	13211D	P -41 7146
71	9.8E	8.5Z	17 8.213	-0.0010	12	-42 23 33.56	-0.013	12	0.66	8.262	28	99.7	32.91	26	99.7	G5	CZ	13210	P -42 7009
72	8.8E	9.0Z	17 10.277	-0.0018	12	-40 52 49.47	-0.014	12	0.86	10.369	63	98.5	48.73	57	98.5	A5	CZ	13215	P -40 6926
73	10.0E	8.0Z	17 19.158	-0.0008	12	-47 52 10.88	-0.008	12	0.72	19.196	45	02.9	10.51	45	02.9	K2	CZ	13212	P -47 7059
74	9.4E	9.2H	17 21.080	-0.0007	12	-47 20 54.24	0.004	12	0.64	21.095	28	01.4	54.45	26	01.4	B9	CZ	13214	P -47 7060
75	9.1E	9.0Z	17 21.337	0.0005	12	-44 37 19.80	-0.003	12	0.73	21.314	45	02.0	19.66	45	02.0	B9	CZ	13216	P -44 7316
76	9.1E	9.0Z	17 23.594	-0.0004	12	-40 44 32.00	-0.019	12	0.86	23.614	63	98.5	31.00	57	98.5	A3	CZ	13223	P -40 6928
77	10.4E	9.0Z	17 23.974	-0.0005	12	-41 21 41.03	-0.004	12	0.67	23.999	28	98.8	40.81	26	98.8	G0	CZ	13221	P -41 7150
78	9.6E	9.0Z	17 24.774	-0.0004	12	-44 2 55.75	0.004	12	0.73	24.795	45	02.0	55.95	45	02.0	K2	CZ	13218	P -43 7006
79		9.3T	17 25.777	-0.0130	26	-46 7 10.47	-0.075	26	1.18	26.367	21	04.7	7.08	21	04.7	F8	GC	20604	C -45 9849
80	8.2E	8.5Z	17 29.132	-0.0002	12	-40 43 3.59	-0.052	12	0.86	29.141	63	98.5	0.89	57	98.5	F8	CZ	13227	P -40 6929
81	9.6E	9.4Z	17 29.311	-0.0028	12	-44 28 27.01	-0.023	12	0.73	29.447	45	02.0	25.91	45	02.0	F2	CZ	13222	P -44 7321
82	9.3E	9.5Z	17 31.704	0.0003	12	-42 54 9.14	-0.001	12	0.65	31.687	28	00.1	9.11	26	00.1	A3	CZ	13226	P -42 7013
83	9.3E	9.2Z	17 33.614	0.0005	12	-43 18 6.47	-0.012	12	0.73	33.589	45	02.0	5.92	45	02.0	G0	CZ	13228	P -43 7009
84	9.9E	9.0Z	17 33.659	-0.0020	12	-44 23 50.86	0.008	12	0.73	33.757	45	02.0	50.98	45	02.0	K0	CZ	13225	P -44 7322
85		7.0T	17 34.643	0.0084	16	-47 34 [illegible]83	-0.016	10	0.69	34.194	22	02.3	48.65	21	95.3	F5	GC	20609	C -47 9904
86	9.0E	9.1Z	17 36.861	0.0033	12	-42 42 34.39	-0.004	12	0.73	36.698	45	01.4	34.22	45	01.4	G0	CZ	13229	P -42 7014
87	10.0E	9.9Z	17 47.055	-0.0031	12	-42 4 57.01	-0.037	12	0.74	47.209	45	99.9	55.16	45	99.9	F5	CZ	13231	P -41 7153
88	9.4E	9.3H	17 55.119	-0.0001	12	-46 56 16.89	-0.009	12	0.64	55.125	28	01.4	16.66	26	01.4	B9	CZ	13230	P -46 7347
89	9.9E	8.8Z	17 57.191	-0.0006	12	-40 51 23.60	-0.051	12	0.86	57.221	63	98.5	20.96	57	98.5	K0	CZ	13233	P -40 6931
90	9.8E	8.5Z	18 2.491	-0.0040	12	-49 51 1.56	-0.032	12	0.72	2.679	45	02.4	0.05	45	02.4	K0	CZ	13232	P -49 7996
91		3.4H	18 4.851	-0.0014	03	-40 28 4.92	-0.032	03	0.12	4.905	06	10.8	3.69	06	11.3	B2	F4	1402	C -40 9538
92		7.2T	18 9.791	-0.0007	12	-44 45 32.98	-0.033	10	0.60	9.827	18	98.6	31.17	18	94.7	B9	GC	20624	C -44 10048
93	10.1E	9.2H	18 11.319	-0.0019	12	-46 38 7.64	-0.025	12	0.64	11.413	28	01.4	6.43	26	01.4	K2	CZ	13235	P -46 7352
94	9.0E	9.0Z	18 15.315	0.0004	12	-48 35 57.05	-0.008	12	0.63	15.295	28	02.5	56.76	26	02.5	B9	CZ	13236	P -48 7394
95		8.2T	18 17.652	-0.0010	12	-40 34 12.77	-0.035	11	0.65	17.703	21	97.8	10.84	19	95.5	A2	GC	20632	C -40 9539
96	10.2E	9.6Z	18 17.758	-0.0029	12	-42 41 32.22	-0.036	12	0.64	17.900	28	00.4	30.46	24	00.4	F2	CZ	13240	P -42 7018
97		5.7T	18 25.192	-0.1615	06	-48 8 5.84	-0.271	06	0.33	31.863	12	08.7	-53.40	12	04.1	G0	GC	20635	C -47 9919
98	9.8E	8.0Z	18 25.213	-0.0047	12	-45 33 33.34	-0.048	12	0.64	25.443	28	01.2	31.01	26	01.2	K2	CZ	13241	P -45 7366
99	9.4E	8.6H	18 25.586	-0.0010	12	-40 19 53.67	-0.047	12	0.68	25.618	28	97.5	51.18	26	97.5	K5	CZ	13246	P -40 6938
00	9.9E	9.0Z	18 27.647	-0.0009	12	-46 8 37.00	-0.002	12	0.68	27.692	36	02.2	36.91	36	02.2	K2	CZ	13243	P -45 7367

225700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 15H DM NUMBER
1	9.9E	9.5Z	15 18 32.003	-0.0003	12	-42 4 8.89	-0.002	12	0.65	32.017	26	99.7	8.80	24	99.7	A2	CZ	13249	P -41 7156
2	9.8E	9.5Z	18 37.199	-0.0015	12	-43 53 10.68	-0.005	12	0.68	37.272	36	02.2	10.46	36	02.2	A0	CZ	13250	P -43 7022
3		5.1T	18 38.610	-0.0135	05	-47 44 50.48	-0.139	04	0.23	39.178	10	07.9	44.03	09	03.6	F8	GC	20844	C*-47 9922
4	9.0E	9.0Z	18 43.828	-0.0006	12	-49 37 36.91	-0.012	12	0.72	43.855	45	02.4	36.36	45	02.4	A0	CZ	13248	P -49 8014
5	9.4E	9.0Z	18 44.916	-0.0007	12	-45 54 36.51	-0.060	12	0.68	44.952	36	02.2	33.65	36	02.2	G5	CZ	13251	P -45 7369
6	9.7E	9.1Z	18 54.931	0.0016	12	-49 27 13.07	-0.022	12	0.72	54.855	45	02.4	12.05	45	02.4	F8	CZ	13252	P -49 8017
7	9.5E	9.0Z	19 7.101	-0.0007	12	-40 44 53.28	-0.013	12	0.86	7.217	63	98.5	52.59	57	98.5	G0	CZ	13260	P -40 6941
8	9.3E	9.6Z	19 7.818	0.0039	12	-45 32 56.75	-0.056	12	0.73	7.631	45	02.1	54.08	45	02.1	F8	CZ	13257	P -45 7375
9		7.8T	19 7.890	-0.0362	14	-47 44 21.96	-0.272	10	0.67	9.645	22	01.5	7.00	21	95.0	G0	GC	20855K	C*-47 9926
10	9.9E	9.4Z	19 8.376	-0.0022	12	-49 52 12.36	-0.024	12	0.72	8.479	45	02.4	11.23	45	02.4	F2	CZ	13255	P -49 8021
11		7.0T	19 9.472	-0.0005	15	-44 6 51.11	-0.012	13	0.74	9.498	18	99.9	50.49	17	97.8	A2	GC	20856	C -43 9845
12		3.7T	19 16.513	-0.0018	06	-44 30 40.20	-0.015	04	0.34	16.616	14	93.2	39.30	10	88.0	B3	GC	20859K	C*-44 10086
13	9.8E	9.0Z	19 27.618	-0.0004	12	-49 13 2.20	-0.021	12	0.72	27.636	45	02.4	1.23	45	02.4	F2	CZ	13265	P -48 7416
14	10.0E	9.6Z	19 28.879	-0.0095	12	-49 36 21.65	-0.038	12	0.72	29.139	45	02.4	20.07	45	02.4	F8	CZ	13266	P -49 8027
15	9.4E	9.1*	19 33.095	0.0000	12	-43 35 14.17	-0.002	12	0.65	33.094	28	00.5	14.05	28	00.5	B9	CZ	13268	P -43 7037
16	9.5E	9.5Z	19 44.948	-0.0003	12	-49 56 18.81	0.000	12	0.65	44.961	31	01.4	18.82	28	01.4	B0	CZ	13267	P -49 8031
17		9.1T	19 46.210	0.0028	20	-44 44 35.19	-0.004	20	0.93	46.080	21	03.5	35.01	21	03.5	B9	GC	20871	C -44 10074
18	9.7E	9.7Z	19 46.591	-0.0033	12	-44 34 36.99	-0.024	12	0.73	46.750	45	02.0	35.85	45	02.0	F8	CZ	13271	P -44 7350
19	9.5E	8.8Z	19 55.323	0.0007	12	-46 16 39.96	-0.014	12	0.65	55.287	31	01.1	39.29	28	01.1	K0	CZ	13272	P -46 7379
20		9.2T	19 56.974	-0.0101	22	-41 36 28.46	-0.106	22	1.07	57.444	19	03.3	23.45	19	02.7	G5	GC	20875	C -41 9827
21		6.6T	19 57.808	-0.0045	17	-45 57 46.92	-0.021	13	0.77	58.025	17	02.0	45.83	18	98.1	G5	GC	20879	C -45 9880
22	10.1E	9.0Z	20 2.440	-0.0028	12	-49 36 19.11	-0.012	12	0.72	2.572	45	02.4	18.52	45	02.4	K0	CZ	13273	P -49 8035
23	10.2E	9.7Z	20 2.861	-0.0005	12	-47 50 28.88	0.002	12	0.71	2.885	45	03.4	28.98	45	03.4	A0	CZ	13275	P -47 7089
24	9.7E	9.0Z	20 9.577	-0.0009	12	-49 10 8.24	-0.016	12	0.64	9.620	31	02.2	7.50	28	02.2	A0	CZ	13276	P -48 7427
25	10.3E	9.0Z	20 11.240	-0.0015	12	-49 54 53.17	-0.011	12	0.72	11.309	45	02.4	52.66	45	02.4	K2	CZ	13277	P -49 8039
26	9.5E	9.0Z	20 12.796	0.0003	12	-42 8 28.82	-0.026	12	0.74	12.780	45	00.0	27.53	45	00.0	F0	CZ	13282	P -41 7169
27	9.7E	10.0Z	20 16.478	-0.0005	12	-43 38 19.30	-0.007	12	0.73	16.501	45	02.0	18.94	45	02.0	A0	CZ	13283	P -43 7046
28		8.4T	20 27.054	0.0027	20	-44 46 43.74	-0.038	20	0.91	26.934	24	05.5	42.05	24	05.1	K0	GC	20887	C -44 10088
29	9.3E	8.5Z	20 31.400	-0.0020	12	-45 40 4.69	-0.024	12	0.73	31.496	45	02.1	3.54	45	02.1	A0	CZ	13288	P -45 7388
30	9.8E	9.0Z	20 31.721	-0.0005	12	-45 31 22.58	0.005	12	0.73	31.746	45	02.1	22.82	45	02.1	K0	CZ	13289	P -45 7389
31	10.3E	9.2Z	20 32.016	0.0010	12	-49 41 35.83	-0.005	12	0.72	31.966	45	02.4	35.60	45	02.4	K0	CZ	13284	P -49 8047
32	9.8E	9.0Z	20 34.448	-0.0002	12	-47 40 37.15	-0.008	12	0.71	34.458	45	03.4	36.79	45	03.4	A0	CZ	13287	P -47 7096
33	10.1E	9.3Z	20 36.892	-0.0012	12	-49 22 31.82	-0.002	12	0.72	36.949	45	02.4	31.70	45	02.4	A2	CZ	13286	P -49 8048
34	9.6E	8.5Z	20 40.153	-0.0001	12	-47 45 42.77	-0.010	12	0.71	40.158	45	03.4	42.31	45	03.4	A2	CZ	13290	P -47 7098
35	9.7E	9.0Z	20 42.024	0.0012	12	-45 46 2.96	0.000	12	0.73	41.964	45	02.1	2.97	45	02.1	B9	CZ	13294	P -45 7392
36	10.0E	9.3Z	20 42.847	-0.0010	12	-42 28 6.81	-0.007	12	0.65	42.896	28	99.9	6.47	26	99.9	A2	CZ	13297	P -42 7031
37	9.4E	9.3Z	20 45.435	-0.0011	12	-48 14 28.46	-0.006	12	0.71	45.485	45	03.5	28.74	45	03.5	B9	CZ	13293	P -47 7100
38	10.3E	9.0Z	20 46.797	-0.0025	12	-49 25 44.01	-0.024	12	0.72	46.916	45	02.4	42.85	45	02.4	G5	CZ	13292	P -49 8055
39	9.5E	9.4Z	20 47.084	-0.0005	12	-49 42 14.75	-0.000	12	0.72	47.105	45	02.4	14.76	45	02.4	A0	CZ	13291	P -49 8053
40	9.2E	8.0Z	20 51.494	-0.0024	12	-47 41 22.76	0.013	12	0.71	51.607	45	03.4	23.37	45	03.4	K0	CZ	13296	P -47 7101
41	9.2E	8.6Z	20 52.180	-0.0014	12	-41 2 16.82	-0.012	12	0.86	52.252	63	98.5	16.19	57	98.5	A2	CZ	13302	P -40 6953
42	9.6E	9.4Z	20 55.677	-0.0022	12	-48 12 2.44	-0.036	12	0.71	55.779	45	03.5	0.77	45	03.5	K5	CZ	13298	P -47 7103
43	10.1E	9.9Z	21 1.540	-0.0004	12	-48 18 55.70	0.001	12	0.71	1.559	45	03.5	55.75	45	03.5	A	CZ	13300	P -48 7439
44		7.6T	21 3.802	-0.0001	15	-48 24 19.80	-0.020	13	0.74	3.806	19	00.4	18.75	18	97.6	B9	GC	20694K	C -48 9912
45	8.1E	8.5Z	21 7.906	-0.0023	12	-43 45 2.93	-0.003	12	0.73	8.018	45	02.0	2.80	45	02.0	B9	CZ	13304	P -43 7053
46	9.9E	9.5Z	21 14.700	0.0010	12	-43 8 49.87	0.004	12	0.65	14.648	28	00.0	50.09	26	00.0	F5	CZ	13309	P -42 7035
47	9.1E	8.5Z	21 15.684	-0.0022	12	-47 36 13.28	-0.015	12	0.71	15.787	45	03.4	12.59	45	03.4	F5	CZ	13305	P -47 7109
48	10.7E	9.0Z	21 18.117	-0.0014	12	-48 24 44.42	-0.004	12	0.71	18.183	45	03.5	44.23	45	03.5		CZ	13306	P -48 7448
49	9.7E	9.0Z	21 19.071	-0.0061	12	-48 38 54.88	-0.028	12	0.71	19.354	45	03.5	53.58	45	03.5	G5	CZ	13307	P -48 7449
50	9.5E	9.5Z	21 22.897	-0.0005	12	-48 37 30.76	-0.006	12	0.71	22.919	45	03.5	30.48	45	03.5	A2	CZ	13308	P -48 7450
51	9.4E	8.0Z	15 21 26.969	-0.0014	12	-47 35 34.04	-0.004	12	0.71	27.034	45	03.4	33.86	45	03.4	K0	CZ	13312	P -47 7111
52	8.0E	8.0Z	21 30.658	-0.0029	12	-43 58 40.59	0.011	12	0.64	30.804	26	00.3	41.15	24	00.3	B8	CZ	13315	P -43 7060
53	9.9E	9.0H	21 34.094	-0.0007	12	-40 25 15.69	-0.016	12	0.69	34.130	31	97.8	14.84	28	97.8	A5	CZ	13318	P -40 6965
54		6.6T	21 41.529	-0.0014	15	-47 2 30.03	-0.001	11	0.70	41.596	22	02.0	29.98	21	96.5	G5	GC	20704	C -46 10043
55	9.0E	9.5Z	21 43.580	-0.0022	12	-40 44 59.10	-0.015	12	0.86	43.693	63	98.5	58.31	57	98.5	A2	CZ	13323	P -40 6966
56	9.3E	9.0Z	21 45.601	0.0014	12	-44 10 28.38	-0.058	12	0.83	45.536	63	02.5	25.63	57	02.5	G5	CZ	13321	P -43 7066
57	9.0E	8.0Z	21 51.292	-0.0030	12	-48 53 27.64	-0.005	12	0.64	51.435	31	02.2	27.43	28	02.2	K0	CZ	13319	P -48 7458
58	9.3E	8.8*	21 56.207	-0.0006	12	-49 39 30.64	0.003	12	0.65	56.233	31	01.8	30.80	28	01.8	K2	CZ	13322	P -49 8071
59	9.4E	9.5Z	22 4.308	-0.0012	12	-44 7 4.83	0.006	12	0.73	4.367	45	02.0	5.08	45	02.0	A0	CZ	13328	P -43 7068
60	9.7E	8.5Z	22 5.481	0.0010	12	-41 44 56.91	0.024	12	0.66	5.429	26	99.0	58.15	24	99.0	G5	CZ	13331	P -41 7184
61	9.9E	8.5Z	22 6.847	-0.0011	12	-49 53 6.49	-0.008	12	0.72	6.896	45	03.0	6.13	45	03.0	K2	CZ	13324	P -49 8073
62	9.0E	9.0*	22 7.921	0.0020	12	-48 8 34.06	-0.029	12	0.65	7.825	31	01.7	32.66	28	01.7	F5	CZ	13326	P -47 7117
63		8.2T	22 8.915	-0.0067	26	-46 55 25.33	-0.060	26	1.17	9.217	21	04.9	22.63	21	04.9	G5	GC	20715	C -46 10050
64	9.2E	9.4Z	22 12.952	-0.0003	12	-45 31 21.11	-0.007	12	0.73	12.967	45	02.1	20.79	45	02.1	B9	CZ	13332	P -45 7401
65	9.0E	8.0Z	22 36.419	0.0001	12	-47 45 19.55	-0.013	12	0.67	36.415	36	03.0	18.94	36	03.0	K0	CZ	13338	P -47 7123
66	9.9E	9.8Z	22 40.001	-0.0021	12	-46 56 33.38	-0.028	12	0.67	40.103	36	02.4	32.05	36	02.4	F5	CZ	13340	P -46 7422
67		8.7T	22 41.186	0.0010	18	-44 41 36.26	-0.011	18	0.86	41.142	24	05.3	35.77	24	04.6	K0	GC	20726	C -44 10111
68	9.1E	9.1H	22 42.708	-0.0003	12	-40 22 11.25	-0.018	12	0.86	42.723	63	98.5	10.30	57	98.5	A0	CZ	13346	P -40 6975
69	9.9E	9.7Z	22 42.790	-0.0011	12	-48 49 27.02	-0.002	12	0.71	42.841	45	03.5	26.95	45	03.5	B9	CZ	13339	P -48 7469
70	8.1E	8.0Z	22 43.990	-0.0062	12	-48 27 48.66	-0.029	12	0.71	44.279	45	03.5	47.33	45	03.5	F5	CZ	13341	P -48 7471
71	9.3E	9.5Z	22 44.048	0.0012	12	-43 27 14.89	-0.010	12	0.65	43.987	28	00.2	14.42	26	00.2	A5	CZ	13344	P -43 7074
72	9.6E	9.0Z	22 44.125	0.0017	12	-42 10 23.98	0.021	12	0.84	44.041	63	01.6	25.00	57	01.6	F8	CZ	13345	P -41 7193
73	8.8E	9.0Z	22 50.058	-0.0009	12	-47 58 2.54	-0.020	12	0.63	50.101	28	01.9	1.59	26	01.9	A0	CZ	13343	P -47 7124
74		8.2T	22 53.651	-0.0060	15	-42 41 14.00	-0.040	13	0.73	53.946	18	00.4	11.94	18	98.0	G0	GC	20729K	C -42 10390
75		9.8T	22 55.235	-0.0015	22	-42 41 16.38	0.014	17	0.93	55.299	24	05.6	17.06	22	02.9		GC	20730K	C -42 10390
76	9.5E	9.6Z	22 56.353	0.0001	12	-44 58 25.59	0.000	12	0.68	56.350	36	02.2	25.61	36	02.2	A0	CZ	13348	P -44 7386
77	8.4E	8.5Z	22 59.142	-0.0013	12	-42 13 24.50	-0.040	12	0.69	59.204	36	01.2	22.55	36	01.2	F0	CZ	13353	P -41 7195
78	9.6E	8.5Z	23 5.374	-0.0030	12	-44 40 22.85	-0.020	12	0.64	5.522	28	01.2	21.89	26	01.2	G5	CZ	13355	P -44 7389
79	8.9E	9.2Z	23 6.352	-0.0008	12	-49 36 2.73	-0.007	12	0.72	6.388	45	03.0	2.37	45	03.0	A0	CZ	13349D	P*-49 8089
80	8.8E	9.0Z	23 13.156	-0.0001	12	-42 5 31.92	-0.021	12	0.70	13.160	36	99.5	30.87	36	99.5	A3	CZ	13360	P -41 7199
81	9.1E	8.0Z	23 13.445	-0.0005	12	-47 14 49.06	-0.018	12	0.63	13.471	28	01.9	48.20	26	01.9	G5	CZ	13356	P -46 7428
82		7.5T	23 14.923	0.0018	10	-45 20 19.06	-0.019	08	0.41	14.847	15	08.5	18.21	15	05.0	K0	GC	20736	C -45 9916
83	10.1E	9.0Z	23 15.548	-0.0010	12	-41 45 34.05	-0.032	12	0.66	15.598	26	98.8	32.42	24	98.8	G0	CZ	13361	P -41 7201
84	9.1E	9.0Z	23 16.784	-0.0011	12	-40 42 35.37	-0.003	12	0.67	16.841	28	98.1	35.20	26	98.1	A0	CZ	13363	P -40 6982
85	10.2E	10.0Z	23 19.986	-0.0008	12	-48 57 34.95	-0.915	12	0.71	20.023	45	03.5	34.27	45	03.5	A2	CZ	13357	P -48 7479
86	9.1E	9.2Z	23 25.959	0.0005	12	-43 25 13.73	-0.006	12	0.68	25.933	36	01.5	13.46	36	01.5	A5	CZ	13368	P -43 7080
87		9.6T	23 26.041	0.0018	13	-48 39 25.90	0.003	11	0.64	25.953	24	01.8	26.08	22	97.8	K2	GC	20739	C -48 9950
88	9.0E	9.0Z	23 26.899	-0.0001	12	-46 11 0.01	-0.026	12	0.67	26.901	36	02.4	58.78	36	02.4	F0	CZ	13364	P -45 7413
89	8.0E	9.0Z	23 30.082	-0.0002	12	-44 25 55.07	-0.004	12	0.68	30.093	36	02.2	54.90	36	02.2	A0	CZ	13370	P -44 7393
90	9.9E	8.0Z	23 31.707	-0.0004	12	-48 16 53.50	-0.018	12	0.71	31.726	45	03.5	52.67	45	03.5	MB	CZ	13366	P -48 7485
91	9.3E	9.5Z	23 32.316	-0.0049	12	-45 58 31.38	-0.028	12	0.68	32.553	36	02.2	30.05	36	02.2	F8	CZ	13369	P -45 7414
92	10.4E	9.7Z	23 32.922	-0.0015	12	-49 3 25.76	-0.017	12	0.71	32.991	45	03.5	24.95	45	03.5	G5	CZ	13365	P -48 7484
93	7.6E	8.5Z	23 33.339	0.0001	12	-43 55 59.82	-0.011	12	0.64	33.334	26	00.4	59.30	24	00.4	A2	CZ	13373	P -43 7081
94	9.4E	9.6Z	23 35.120	-0.0019	12	-43 1 5.73	-0.021	12	0.69	35.212	36	01.2	4.73	36	01.2	A0	CZ	13375	P -42 7050
95		7.6T	23 39.193	-0.0048	15	-49 16 50.16	-0.057	11	0.68	39.421	22	02.2	47.12	21	96.3	A2	GC	20746	C -49 9628
96	9.4E	9.0Z	23 40.578	-0.0028	12	-45 49 21.84	0.005	12	0.64	40.717	28	01.3	22.09	26	01.3	F8	CZ	13376	P -45 7415
97	9.1E	9.2H	23 48.497	-0.0011	12	-40 12 17.92	0.037	12	0.86	48.554	63	98.5	19.81	57	98.5	G0	CZ	13383	P -39 6717
98		9.7T	23 49.984	0.0013	26	-45 7 40.19	0.009	22	1.08	49.927	24	06.9	40.59	24	05.7	G5	GC	20749	C*-44 10125
99		7.5T	23 50.301	-0.0026	15	-49 36 37.44	-0.019	13	0.73	50.426	22	02.1	36.47	21	98.4	K0	GC	20751	C -49 9631
00	9.7E	9.2Z	23 55.508	-0.0042	12	-42 58 41.18	-0.072	12	0.73	55.712	45	01.0	37.67	45	01.0	F8	CZ	13384	P -42 7053

225800

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -40° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″.001	σ_{1950}	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.9E	9.2M	15 23 56.401	-0.0041	12	-45 17 37.24	-0.054	12	0.68	56.397	36	02.2	34.67	36	02.2	F8	C2	13362	P -45 7418
2	9.5E	9.5Z	23 57.928	0.0008	12	-43 35 46.49	-0.011	12	0.73	57.886	45	01.5	45.98	45	01.5	A2	C2	13366	P -43 7086
3	9.0Z	9.0Z	24 2.828	-0.0006	12	-49 59 28.02	-0.004	12	0.72	2.852	45	03.0	27.84	45	03.0	A2	C2	13379	P -49 8108
4	8.7Z	8.7Z	24 4.957	0.0006	12	-41 6 8.71	-0.015	12	0.86	4.925	63	98.5	7.91	57	98.5	K0	C2	13391	P -40 6999
5	9.3E	8.5Z	24 6.814	0.0007	12	-42 54 49.24	-0.019	12	0.66	6.777	28	99.6	48.25	28	99.6	K0	C2	13390	P -42 7055
6	9.3E	9.0Z	24 8.198	-0.0023	12	-42 52 35.58	-0.011	12	0.73	8.310	45	01.0	35.08	45	01.0	A3	C2	13392	P -42 7057
7	10.0E	9.3Z	10.902	0.0011	12	-40 43 0.54	-0.005	12	0.86	10.845	63	98.5	0.28	57	98.5	A2	C2	13395	P -40 6990
8	10.2E	9.5Z	13.546	-0.0005	12	-41 19 51.33	-0.023	12	0.67	13.571	28	98.9	50.14	28	98.9	K2	C2	13397	P -41 7212
9	8.9E	8.9E	24 28.563	0.0005	12	-49 56 43.64	0.001	12	0.67	28.557	31	01.8	43.70	28	01.8	B9	C2	13396	P -49 8117
10	10.3E	9.0Z	24 30.367	-0.0008	12	-49 37 59.40	0.003	12	0.72	30.402	45	03.0	59.56	45	03.0	K0	C2	13400	P -49 8119
11		6.8T	24 33.841	-0.0015	13	-40 29 10.79	-0.000	11	0.66	33.317	19	99.2	10.77	18	98.3	M0	GC	20963	C -40 9862
12	11.4E	10.9M	24 40.046	0.0000	12	-49 58 13.52	-0.008	12	0.72	40.014	45	03.0	13.23	45	03.0		GC	13401	P -49 8123
13	10.3E	10.0Z	24 40.888	-0.0008	12	-49 58 12.85	-0.012	12	0.72	40.876	45	03.0	12.30	45	03.0		GC	13402	P -49 8123
14		9.0T	24 51.310	0.0030	18	-44 57 43.42	-0.001	17	0.84	51.183	24	04.8	43.48	24	03.7	B0	GC	20768	C+-4410140
15	10.0E	9.3M	24 56.906	-0.0002	12	-49 4 29.42	-0.004	12	0.84	56.615	31	02.2	29.26	28	02.2	F0	GC	13409	P -49 7510
16	10.3E	8.5Z	24 57.216	0.0016	12	-48 27 31.29	-0.009	12	0.71	57.143	45	03.5	30.67	45	03.5	K2	GC	13410	P -48 7512
17	9.8E	8.5Z	24 58.236	-0.0016	12	-48 48 20.22	-0.041	12	0.71	58.310	45	03.5	18.34	45	03.5	F2	GC	13411	P -48 7511
18	9.9E	9.0Z	25 10.557	0.0001	12	-46 57 54.67	-0.020	12	0.65	10.593	31	01.1	53.70	28	01.1	K0	GC	13416	P -46 7450
19	9.4E	8.8M	25 10.678	0.0025	12	-40 33 39.06	0.005	12	0.86	10.548	63	98.5	39.30	57	98.5	G5	GC	13420	P -40 7002
20	9.9E	9.2Z	25 12.200	-0.0017	12	-47 29 23.68	0.001	12	0.65	12.284	31	01.7	23.73	28	01.7	A0	GC	13417	P -47 7145
21		7.6T	25 19.209	0.0007	14	-44 43 12.66	0.015	11	0.68	19.176	22	01.9	13.47	21	97.0	B9	GC	20780	C -4410143
22	9.9E	9.7Z	25 27.586	-0.0007	12	-49 34 18.19	-0.007	12	0.72	27.597	45	03.0	17.85	45	03.0	A2	GC	13421	P -49 8133
23	9.9E	8.5Z	25 36.573	-0.0040	12	-47 42 21.70	-0.026	12	0.71	36.759	45	03.4	20.49	45	03.4	K0	GC	13427	P -47 7151
24	8.1E	7.3Z	25 43.960	-0.0242	12	-49 46 47.88	-0.090	12	0.72	45.116	45	03.0	43.67	45	03.0	G5	GC	13429	P -49 8137
25		5.0T	25 54.828	-0.0010	07	-46 33 39.35	-0.011	06	0.30	54.868	12	09.8	36.85	12	04.2	K0	GC	20799	C+-4610100
26	9.8E	9.0Z	25 57.567	-0.0008	12	-48 48 13.73	-0.012	12	0.71	57.604	45	03.5	13.19	45	03.5	B9	GC	13438	P -48 7530
27	10.8E	9.6Z	25 59.457	-0.0092	12	-48 33 49.17	-0.059	12	0.71	59.883	45	03.5	46.43	45	03.5	K0	GC	13441	P -48 7533
28	8.3E	8.3Z	26 0.746	-0.0011	12	-44 22 20.76	-0.030	12	0.65	0.801	31	01.1	19.30	28	01.1	A2	GC	13444	P -44 7415
29	7.8E	8.0Z	26 1.248	0.0004	12	-43 24 22.67	-0.040	12	0.73	1.230	45	01.5	20.71	45	01.5	F8	GC	13445	P -43 7101
30	9.3E	8.0Z	26 1.739	-0.0016	12	-46 44 5.77	-0.027	12	0.72	1.817	45	02.4	4.49	45	02.4	K5	GC	13442	P -46 7461
31	8.3E	9.0Z	26 2.019	0.0010	12	-40 39 55.92	-0.004	12	0.86	1.967	63	98.5	55.70	57	98.5	A2	GC	13448	P -40 7007
32	9.4E	8.8M	26 3.377	0.0006	12	-40 28 42.57	0.003	12	0.86	3.346	63	98.5	42.71	57	98.5	G5	GC	13450	P -40 7009
33	9.3E	9.0Z	26 6.587	0.0008	12	-43 58 4.55	-0.010	12	0.65	6.548	28	99.8	4.06	28	99.8	B9	GC	13447	P -43 7102
34		7.2T	26 13.055	-0.0031	14	-40 20 52.96	-0.021	12	0.71	13.209	21	00.0	51.84	17	98.0	G5	GC	20807	C -40 9862
35	10.1E	8.5Z	26 20.816	0.0001	12	-49 10 7.04	-0.010	12	0.71	20.810	45	03.5	6.60	45	03.5	MA	GC	13451	P -48 7539
36		9.1T	26 23.387	0.0032	20	-45 3 50.70	-0.009	22	0.99	23.179	21	04.0	50.30	21	04.5	A0	GC	20811	C -4410155
37	10.0E	9.3Z	26 28.972	-0.0004	12	-46 0 48.13	-0.015	12	0.65	28.984	31	01.2	47.41	28	01.2	A2	GC	13457	P -45 7439
38	9.4E	9.0Z	26 29.859	0.0005	12	-40 54 2.20	-0.005	12	0.86	29.802	63	98.5	1.92	57	98.5	A2	GC	13463	P -40 7010
39	9.3E	9.3E	26 30.884	-0.0006	12	-48 18 5.76	-0.006	12	0.84	30.693	31	02.2	5.48	28	02.2	A0	GC	13455	P -48 7541
40	9.4E	8.5Z	26 37.140	-0.0014	12	-49 23 36.00	-0.017	12	0.72	37.215	45	03.0	35.18	45	03.0	B8	GC	13458	P -49 8156
41	9.0E	8.5Z	26 44.756	-0.0004	12	-40 56 52.73	-0.008	12	0.86	44.776	63	98.5	51.27	57	98.5	F0	GC	13466	P -40 7011
42	10.2E	9.6M	26 45.778	0.0007	12	-42 53 6.10	-0.021	12	0.65	45.741	28	99.7	5.07	28	99.7	G0	GC	13465	P -42 7074
43	8.7E	8.5Z	26 48.323	0.0000	12	-41 25 37.00	-0.012	12	0.74	48.325	45	00.0	36.39	45	00.0	A0	GC	13467	P -41 7232
44	10.3E	9.0Z	26 56.075	-0.0029	12	-40 58 17.49	-0.034	12	0.86	56.284	63	98.5	15.73	57	98.5	G0	GC	13471	P -40 7012
45		8.8M	26 59.952	-0.0015	28	-41 44 56.19	-0.012	27	1.22	+ 0.019	24	97.3	55.67	24	96.6		GC	20821K	C -41 9985
46		7.1B	27 0.285	-0.0029	13	-41 44 52.94	-0.039	11	0.65	0.431	21	99.1	50.80	19	95.1	A0	GC	20822K	C+-41 9985
47	9.9E	9.0Z	27 3.085	-0.0007	12	-47 27 5.35	0.002	12	0.71	3.117	45	03.4	5.45	45	03.4	A3	GC	13469	P -47 7170
48	8.8E	8.5Z	27 7.989	-0.0019	12	-46 19 44.14	-0.007	12	0.65	8.084	31	01.1	43.81	28	01.1	A2	GC	13472	P -46 7473
49	9.9E	9.0Z	27 16.887	0.0002	12	-49 55 48.50	-0.007	12	0.65	16.875	31	01.8	48.18	28	01.8	A2	GC	13475	P -49 8168
50	8.9E	8.0Z	27 17.746	-0.0012	12	-45 32 43.60	-0.017	12	0.72	17.804	45	02.5	42.81	45	02.5	B9	GC	13477	P -45 7444
51		7.7T	15 27 21.213	-0.0011	14	-45 15 13.72	-0.004	12	0.70	21.267	17	00.5	12.47	18	97.5	A0	GC	20828	C+-4410188
52	8.3E	7.7Z	27 24.483	0.0018	12	-41 28 57.72	-0.030	12	0.67	24.390	28	98.9	59.65	28	98.9	F8	GC	13468	P -41 7236
53		7.1T	27 28.896	0.0007	14	-47 44 59.64	-0.018	12	0.70	28.821	22	00.8	58.68	21	96.8	G0	GC	20830	C -4710047
54	8.0E	7.7Z	27 28.177	-0.0150	12	-43 41 43.52	0.046	12	0.73	28.908	45	01.5	45.76	45	01.5	G5	GC	13469	P -43 7119
55	8.8E	8.5Z	27 29.001	-0.0013	12	-49 20 5.30	-0.007	12	0.65	29.064	31	01.8	4.94	28	01.8	B9	GC	13480	P -49 8174
56	9.4E	8.5Z	27 31.283	-0.0015	12	-49 53 48.17	-0.017	12	0.68	31.334	36	01.5	47.36	36	01.5	K5	GC	13483	P -49 8176
57	9.4E	9.7Z	27 32.319	-0.0000	12	-46 42 32.49	-0.001	12	0.72	32.320	45	02.4	32.45	45	02.4	A2	GC	13485	P -46 7479
58	10.0E	9.8Z	27 38.613	-0.0002	12	-49 41 6.97	0.007	12	0.68	38.620	36	01.5	7.33	36	01.5	G5	GC	13486	P -49 8180
59	9.4E	9.6Z	27 40.735	-0.0007	12	-49 35 17.82	-0.000	12	0.73	40.768	45	01.0	17.79	45	01.0	A0	GC	13490	P -49 8182
60	10.3E	9.6Z	27 44.085	-0.0004	12	-49 32 53.57	-0.010	12	0.73	44.103	45	01.0	53.10	45	01.0		GC	13491	P -49 8185
61	10.3E	8.5Z	27 45.959	-0.0018	12	-48 53 13.10	-0.010	12	0.68	46.045	36	02.1	12.65	36	02.1	K5	GC	13492	P -48 7563
62	9.4E	9.0Z	27 46.788	-0.0013	12	-41 54 4.48	-0.016	12	0.74	46.852	45	00.0	3.89	45	00.0	A5	GC	13497	P -41 7238
63	10.4E	9.7Z	27 49.146	-0.0008	12	-49 0 18.53	-0.012	12	0.68	49.184	36	02.1	17.97	36	02.1		GC	13493	P -48 7568
64		9.5T	27 49.321	0.0013	18	-44 52 52.00	-0.042	20	0.89	49.262	24	04.4	50.11	24	04.4	F2	GC	20839	C -4410172
65	10.3E	9.1Z	27 50.443	0.0014	12	-42 56 45.19	-0.027	12	0.73	50.373	45	01.0	43.89	45	01.0	K0	GC	13499	P -42 7076
66	8.4E	9.0Z	27 57.635	-0.0001	12	-47 1 22.16	-0.005	12	0.63	57.641	28	01.9	21.93	26	01.9	B9	GC	13498	P -46 7486
67	9.8E	8.5Z	28 2.572	-0.0013	12	-42 13 21.95	-0.025	12	0.65	2.636	28	00.0	20.70	24	00.0	K0	GC	13501	P -41 7240
68	10.4E	8.5Z	28 8.099	0.0000	12	-40 53 57.59	0.003	12	0.86	8.098	63	98.5	57.73	57	98.5	K2	GC	13503	P -40 7017
69	8.0E	8.0Z	28 18.474	0.0018	12	-49 59 50.57	0.004	12	0.73	18.384	45	01.0	50.78	45	01.0	F0	GC	13502	P -49 8191
70	9.8E	8.5Z	28 21.927	-0.0039	12	-46 8 31.04	-0.017	12	0.63	22.114	28	02.2	30.23	26	02.2	K2	GC	13504	P -47 7189
71	9.3E	9.0Z	28 28.677	-0.0009	12	-49 0 14.23	-0.007	12	0.68	28.719	36	02.1	13.92	36	02.1	A0	GC	13505	P -48 7581
72	9.8E	8.5Z	28 31.432	0.0005	12	-43 29 43.66	-0.010	12	0.84	31.408	28	00.7	44.18	24	00.7	G0	GC	13510	P -43 7127
73	10.3E	9.0Z	28 32.346	-0.0047	12	-48 48 57.34	-0.085	12	0.84	32.574	28	01.5	53.19	28	01.5	G	GC	13506	P -48 7584
74	9.9E	9.0Z	28 37.075	0.0001	12	-48 37 27.69	-0.012	12	0.68	37.070	36	02.1	27.14	36	02.1	A0	GC	13508	P -48 7587
75	9.8E	9.0Z	28 38.825	-0.0005	12	-42 34 47.14	-0.009	12	0.68	38.857	36	01.2	46.72	36	01.2	A0	GC	13515	P -42 7081
76		7.0T	28 47.036	0.0008	13	-44 53 54.82	-0.009	10	0.66	47.006	18	98.7	54.33	18	93.8	B8	GC	20855	C -4410190
77		9.8T	28 47.881	-0.0072	20	-44 39 10.58	-0.044	20	0.93	48.218	24	04.6	8.58	24	04.2	F5	GC	20856	C -4410191
78	9.4E	7.8Z	28 49.716	0.0001	12	-44 14 16.94	-0.020	12	0.64	49.713	28	01.5	15.98	26	01.5	K2	GC	13518	P -43 7128
79	9.4E	8.5Z	28 52.156	-0.0045	12	-47 27 43.00	-0.049	12	0.86	52.308	36	03.4	40.73	36	03.4	G5	GC	13517	P -47 7194
80	8.4E	8.5Z	28 56.327	0.0012	12	-42 12 25.67	-0.007	12	0.73	56.287	45	01.0	25.34	45	01.0	A2	GC	13521	P -41 7241
81	10.3E	9.2Z	28 56.994	-0.0009	12	-42 1 23.68	-0.014	12	0.74	56.636	45	99.9	22.99	45	99.9	B9	GC	13523	P -41 7242
82	8.5E	8.5Z	29 7.710	-0.0057	12	-41 23 41.79	-0.077	12	0.67	8.001	28	98.8	37.83	28	98.8	F2	GC	13526	P -41 7244
83	10.4E	9.4M	29 9.460	0.0005	12	-42 50 54.75	-0.012	12	0.86	9.433	28	98.8	54.17	28	99.6	K0	GC	13525	P -42 7083
84	9.9E	9.5Z	29 17.049	-0.0006	12	-46 0 18.41	-0.004	12	0.65	17.075	31	01.8	18.23	28	01.8	A5	GC	13527	P -45 7458
85	9.9E	9.0Z	29 17.687	-0.0015	12	-45 45 22.36	-0.013	12	0.71	17.759	45	03.5	21.77	45	03.5	A5	GC	13528	P -45 7459
86	8.9E	9.0Z	29 20.884	0.0011	12	-47 14 52.28	-0.013	12	0.86	20.845	36	03.4	51.68	36	03.4	A5	GC	13529	P -46 7503
87	9.3E	8.5Z	29 34.787	-0.0003	12	-47 38 38.10	0.000	12	0.72	34.782	45	02.9	38.11	45	02.9	K0	GC	13531	P -47 7201
88	9.4E	9.5Z	29 36.889	-0.0001	12	-45 50 13.02	-0.008	12	0.71	36.898	45	03.5	12.86	45	03.5	A0	GC	13534	P -45 7464
89	10.3E	9.0Z	29 47.854	0.0004	12	-47 1 38.88	-0.010	12	0.71	47.837	45	03.4	38.43	45	03.4	K0	GC	13537	P -46 7506
90	9.7E	9.0Z	29 52.582	-0.0007	12	-49 56 1.72	-0.005	12	0.73	52.594	45	01.0	1.49	45	01.0	A0	GC	13536	P -49 8241
91	8.9E	8.0Z	29 54.318	0.0005	12	-48 49 57.53	-0.017	12	0.73	54.291	45	01.0	56.72	45	01.0	K0	GC	13539	P -48 7604
92	9.4E	8.8Z	29 55.002	0.0004	12	-41 53 28.75	-0.004	12	0.74	54.981	45	99.9	28.56	45	99.9	A2	GC	13543	P -41 7251
93	10.2E	9.5Z	29 57.284	0.0007	12	-48 46 44.78	0.005	12	0.73	57.229	45	01.0	45.04	45	01.0		GC	13541	P -48 7605
94	10.5E	10.0Z	29 57.377	-0.0025	12	-49 23 35.22	-0.004	12	0.73	57.499	45	01.0	34.07	45	01.0		GC	13540	P -49 8244
95		7.1T	30 1.688	-0.0025	10	-47 22 8.55	-0.073	09	0.43	1.790	15	08.9	5.43	15	07.0	F0	GC	20884	C -4710082
96		10.3M	30 3.284	0.0041	16	-49 2 58.37	-0.037	13	0.93	3.055	36	93.7	55.97	31	85.5		GC	20885	C -4810082
97	8.4E	8.5Z	30 4.784	-0.0020	12	-46 54 24.87	-0.011	12	0.65	4.861	31	01.7	24.34	28	01.7	A2	GC	13544	P -46 7510
98		6.5T	30 4.982	0.0036	09	-40 19 19.83	-0.065	08	0.41	4.811	14	05.5	18.78	12	02.5	K0	GC	20886	C -40 9731
99		9.3T	30 10.085	0.0018	20	-44 51 19.52	-0.029	20	0.93	10.003	24	04.6	20.85	24	04.2	A2	GC	20891	C -4410213
100	9.2E	8.0Z	30 14.553	-0.0019	12	-49 55 19.96	-0.019	12	0.66	14.650	31	00.4	19.62	28	00.4	G0	GC	13545	P -49 8254

225900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.7E	8.7Z	15 30 15.254	-0.0006	12	-43 55 40.97	-0.002	12	0.65	15.282	28	00.1	40.87	26	00.1	A0	CZ	13550	P -43 7139
2	9.6E	9.2Z	30 21.156	-0.0008	12	-42 29 50.98	-0.008	12	0.73	21.196	45	01.0	50.58	45	01.0	A0	CZ	13554	P -42 7086
3	9.3E	9.0Z	30 22.562	-0.0003	12	-48 39 42.41	-0.009	12	0.73	22.575	45	01.0	41.96	45	01.0	A3	CZ	13549	P -48 7615
4	9.6E	9.2Z	30 23.391	-0.0004	12	-42 58 43.43	-0.016	12	0.66	23.411	28	99.7	42.63	26	99.7	K0	CZ	13555	P -42 7087
5	8.9E	8.5Z	30 25.945	-0.0009	12	-48 49 43.92	-0.003	12	0.66	25.989	31	00.5	43.79	28	00.5	A2	CZ	13553	P -48 7616
6	9.0E	8.5Z	30 37.106	-0.0020	12	-41 32 25.14	-0.023	12	0.74	37.207	45	99.9	24.01	45	99.9	F0	CZ	13564	P -41 7252
7	9.2E	8.5Z	30 41.322	-0.0019	12	-43 33 30.22	-0.025	12	0.73	41.415	45	01.5	29.02	45	01.5	F0	CZ	13565	P -43 7143
8	9.4E	9.0Z	30 42.325	-0.0006	12	-47 55 24.25	-0.001	12	0.72	42.354	45	02.9	24.18	45	02.9	K0	CZ	13559	P -47 7215
9		9.6T	30 43.114	0.0047	13	-49 0 51.28	-0.024	11	0.65	42.886	24	01.0	49.99	22	97.0		GC	20900	C -4810073
10	9.6E	9.0Z	30 43.670	-0.0066	12	-46 47 9.06	-0.036	12	0.71	43.979	45	03.4	7.38	45	03.4	G5	CZ	13562	P -46 7517
11	10.4E	9.0Z	30 44.326	-0.0005	12	-41 8 44.78	-0.010	12	0.86	44.352	63	98.5	44.28	57	98.5	K0	CZ	13567	P -40 7035
12	10.1E	9.9Z	30 54.057	0.0002	12	-48 27 31.20	-0.001	12	0.73	54.047	45	01.0	31.14	45	01.0		CZ	13566	P -48 7627
13	8.8E	7.9Z	30 58.801	-0.0030	12	-47 3 46.15	-0.011	12	0.71	58.942	45	03.4	45.64	45	03.4	K0	CZ	13568	P -46 7520
14	9.5E	9.7Z	30 58.827	-0.0013	12	-45 40 1.63	-0.006	12	0.71	58.887	45	03.5	1.35	45	03.5	A2	CZ	13570	P -45 7480
15	12.4E	11.2Z	30 59.051	-0.0018	12	-47 3 32.15	0.010	12	0.71	59.135	45	03.4	32.62	45	03.4	K0	CZ	13569	P -46 7520
16	8.0E	8.2Z	31 8.785	-0.0005	12	-43 17 34.58	-0.026	12	0.73	8.809	45	01.5	33.33	45	01.5	B9	CZ	13573	P -43 7147
17	10.1E	9.7Z	31 14.969	-0.0001	12	-42 27 25.62	-0.015	12	0.73	14.974	45	01.0	24.88	45	01.0	F0	CZ	13580	P -42 7092
18	8.8E	8.5Z	31 17.972	-0.0017	12	-41 33 59.59	-0.011	12	0.74	18.058	45	99.9	59.06	45	99.9	F0	CZ	13586	P -41 7257
19	9.0E	9.0Z	31 19.615	-0.0010	12	-43 49 3.49	-0.011	12	0.73	19.661	45	01.5	2.95	45	01.5	A0	CZ	13582	P -43 7149
20	9.4E	9.0H	31 19.740	-0.0007	12	-45 32 25.53	-0.017	12	0.71	19.772	45	03.5	24.74	45	03.5	A	CZ	13579	P -45 7482
21	9.4E	9.0Z	31 21.007	-0.0008	12	-46 14 8.89	-0.014	12	0.65	21.048	31	01.7	8.21	28	01.7	B9	CZ	13578	P -45 7481
22	9.0E	8.5Z	31 22.356	0.0000	12	-48 29 5.86	-0.009	12	0.73	22.356	45	01.0	5.41	45	01.0	B9	CZ	13574	P -48 7638
23	9.2E	9.4Z	31 22.444	-0.0022	12	-47 37 2.42	-0.028	12	0.72	22.547	45	02.9	1.11	45	02.9	F8	CZ	13577	P -47 7225
24		8.7T	31 23.527	0.0047	18	-45 28 48.41	-0.032	20	0.91	23.305	21	03.2	46.93	19	03.0	A2	GC	20913	C -4510022
25	8.6E	8.2Z	31 25.931	-0.0006	12	-47 4 26.62	-0.018	12	0.71	25.960	45	03.4	25.78	45	03.4	A2	CZ	13583	P -46 7524
26	9.9E	9.9Z	31 26.274	-0.0007	12	-49 57 6.98	-0.008	12	0.73	26.310	45	01.0	6.60	45	01.0	A2	CZ	13575	P -49 8279
27	8.6E	8.5Z	31 26.781	-0.0007	12	-46 37 58.81	-0.007	12	0.71	26.815	45	03.4	58.49	45	03.4	B9	CZ	13585	P -46 7525
28	10.4E	9.9Z	31 30.304	-0.0019	12	-49 35 28.25	-0.015	12	0.73	30.399	45	01.0	27.53	45	01.0		CZ	13581	P -49 8282
29	8.4E	8.5Z	31 30.717	0.0006	12	-43 39 6.36	-0.008	12	0.73	30.688	45	01.5	5.99	45	01.5	A0	CZ	13587	P -43 7150
30	10.4E	9.0Z	31 31.175	0.0002	12	-40 31 34.28	0.009	12	0.86	31.166	63	98.5	34.77	57	98.5	A0	CZ	13591	P -40 7039
31	10.2E	9.1Z	31 31.250	-0.0003	12	-40 17 15.90	-0.017	12	0.86	31.267	63	98.5	15.05	57	98.5	F8	CZ	13593	P -40 7040
32	9.5	7.9M	31 33.528	0.0007	10	-40 3 47.76	-0.024	10	0.23	33.517	15	35.5	47.41	21	35.5	K0	CB	7685	C -39 9985
33	9.1E	8.8Z	31 35.100	-0.0015	12	-44 19 7.69	-0.015	12	0.72	35.169	45	02.5	6.98	45	02.5	F8	CZ	13589	P -44 7473
34		7.7T	31 42.620	0.0007	16	-49 30 12.67	-0.004	11	0.72	42.585	19	01.1	12.48	18	96.0	B5	GC	20921	C -49 9774
35	9.0E	9.0Z	31 43.556	-0.0014	12	-48 11 44.16	-0.014	12	0.73	43.625	45	01.0	43.47	45	01.0	A5	CZ	13590	P -47 7230
36	7.7E	8.0Z	31 46.110	-0.0004	12	-43 40 22.27	-0.024	12	0.73	46.130	45	01.5	21.11	45	01.5	A5	CZ	13596	P -43 7153
37	9.1E	9.0Z	31 46.247	-0.0012	12	-48 4 34.28	-0.055	12	0.65	46.306	31	01.4	31.61	28	01.4	A2	CZ	13594	P -47 7231
38		3.0T	31 47.990	-0.0014	03	-41 0 0.97	-0.031	03	0.14	48.052	06	04.5	-59.42	06	99.4	B3	GC	20926K	C+-40 9760
39	8.8E	8.5Z	31 50.513	-0.0032	12	-46 57 54.15	-0.028	12	0.71	50.663	45	03.4	52.85	45	03.4	A5	CZ	13595	P -46 7530
40	8.9E	9.3Z	31 55.185	0.0057	12	-47 40 56.04	-0.084	12	0.72	54.917	45	02.9	52.08	45	02.9	K0	CZ	13597	P -47 7232
41	8.6E	9.0Z	31 55.547	0.0003	12	-42 39 43.61	-0.011	12	0.66	55.532	28	99.5	43.05	26	99.5	A0	CZ	13602	P -42 7094
42		8.8T	31 59.583	0.0005	18	-44 50 45.17	-0.006	20	0.90	59.560	24	03.9	44.90	24	04.5	K0	GC	20928	C -4410231
43		7.5T	32 6.934	0.0035	22	-41 20 19.47	-0.107	20	1.01	6.768	19	03.2	14.36	18	02.1	F5	GC	20931	C -4110073
44	9.7E	9.3Z	32 9.176	-0.0011	12	-45 12 43.49	-0.020	12	0.71	9.228	45	03.5	42.57	45	03.5		CZ	13609	P -44 7479
45	10.0E	9.3H	32 13.061	-0.0009	12	-47 1 25.40	-0.007	12	0.65	13.106	31	01.7	25.06	28	01.7	A0	CZ	13610	P -46 7536
46	9.9E	8.7Z	32 15.859	-0.0003	12	-49 48 29.56	-0.009	12	0.73	15.876	45	01.0	29.13	45	01.0	K5	CZ	13607	P -49 8300
47	10.3E	9.9Z	32 20.029	0.0008	12	-42 33 4.83	0.002	12	0.73	19.990	45	01.0	4.93	45	01.0	A3	CZ	13615	P -42 7097
48		6.4I	32 20.943	0.0023	15	-49 20 32.94	-0.014	12	0.73	20.833	22	01.4	32.18	19	96.6	M4E	GC	20939V	C+-49 9787
49	8.6E	8.0Z	32 24.496	0.0005	12	-47 13 22.59	-0.004	12	0.72	24.474	45	02.9	22.41	45	02.9	K5	CZ	13613	P -46 7538
50		4.8T	32 26.018	-0.0024	07	-44 47 33.65	-0.032	05	0.30	26.116	14	09.2	32.15	12	02.9	B3	GC	20943K	C+-4410239
51	9.7E	8.5Z	15 32 26.185	0.0020	12	-41 55 58.97	-0.012	12	0.66	26.084	28	99.1	58.35	26	99.1	K0	CZ	13619	P -41 7264
52	9.6E	9.0Z	32 28.214	-0.0026	12	-42 23 59.20	-0.009	12	0.66	28.345	28	99.8	58.74	26	99.8	G5	CZ	13620	P -42 7098
53	10.5E	9.0Z	32 30.469	-0.0016	12	-42 23 31.01	-0.006	12	0.73	30.548	45	01.0	30.71	45	01.0	G5	CZ	13622	P -42 7099
54	10.3E	9.6Z	32 36.037	-0.0007	12	-48 19 2.59	-0.009	12	0.73	36.072	45	01.0	2.15	45	01.0	A	CZ	13617	P -48 7655
55	9.1E	8.3H	32 37.902	0.0002	12	-48 32 53.21	0.001	12	0.66	37.891	31	00.4	53.25	28	00.4	K5	CZ	13618	P -48 7656
56	9.3E	9.0Z	32 41.991	-0.0001	12	-47 59 11.45	-0.008	12	0.66	41.996	36	03.5	11.07	36	03.5	A0	CZ	13623	P -47 7241
57		3.5H	32 46.012	-0.0042	04	-44 13 51.02	-0.052	04	0.14	46.117	09	25.1	49.72	08	24.9	K5	F4	1410	C -4310036
58	10.6E	8.5Z	32 46.362	-0.0011	12	-49 31 38.61	0.002	12	0.73	46.413	45	01.0	38.73	45	01.0	K5	CZ	13624	P -49 8309
59	8.4E	8.0Z	32 54.745	0.0002	12	-43 26 52.06	-0.025	12	0.65	54.735	28	00.0	50.82	26	00.0	A0	CZ	13628	P -43 7169
60	10.2E	9.5Z	32 56.644	0.0008	12	-43 6 44.46	-0.018	12	0.73	56.605	45	01.0	43.59	45	01.0	A0	CZ	13633	P -42 7100
61	10.0E	9.5Z	32 56.782	-0.0004	12	-48 5 46.27	-0.016	12	0.66	56.801	36	03.5	45.52	36	03.5	A2	CZ	13626	P -47 7243
62		7.5T	33 1.148	0.0004	13	-43 50 42.92	-0.012	13	0.70	1.127	18	99.7	42.29	17	97.8	B9	GC	20953	C -4310040
63	9.0E	9.0Z	33 2.322	-0.0008	12	-49 22 36.93	-0.001	12	0.73	2.361	45	01.0	36.90	45	01.0	B9	CZ	13627	P -49 8317
64	9.8E	9.0Z	33 4.737	-0.0015	12	-48 39 5.54	-0.007	12	0.73	4.809	45	01.0	5.20	45	01.0	F8	CZ	13629	P -48 7669
65	10.2E	9.8Z	33 5.638	0.0001	12	-42 25 40.14	0.001	12	0.69	5.633	36	01.2	40.18	36	01.2	A0	CZ	13636	P -42 7101
66	10.1E	8.5Z	33 6.670	-0.0011	12	-49 0 55.89	-0.010	12	0.73	6.723	45	01.0	55.42	45	01.0		CZ	13632	P -48 7670
67	9.5E	9.5H	33 7.864	-0.0004	12	-45 7 52.53	-0.006	12	0.67	7.883	36	02.5	52.25	36	02.5	A0	CZ	13635	P -44 7489
68	10.3E	9.0Z	33 10.129	0.0009	12	-42 42 28.67	-0.012	12	0.69	10.084	36	01.2	28.09	36	01.2	G5	CZ	13638	P -42 7102
69	8.7E	8.5Z	33 14.991	-0.0012	12	-47 24 30.67	-0.004	12	0.66	15.048	36	03.5	30.49	36	03.5	A0	CZ	13637	P -47 7247
70	9.5E	9.0Z	33 18.616	-0.0040	12	-41 57 52.56	-0.088	12	0.69	18.814	36	00.4	48.19	36	00.4	G5	CZ	13640	P -41 7269
71	9.3E	8.5Z	33 19.667	-0.0025	12	-44 33 28.05	-0.032	12	0.67	19.784	36	02.5	26.53	36	02.5	F5	CZ	13639	P -44 7490
72		7.9T	33 23.447	-0.0014	12	-40 33 43.97	-0.004	11	0.69	23.515	17	99.8	43.78	15	97.1	A0	GC	20963	C -40 9787
73	8.0E	8.0Z	33 26.036	-0.0001	12	-45 39 11.18	-0.009	12	0.66	26.043	36	03.2	10.76	36	03.2	F0	CZ	13641	P -45 7506
74	9.4E	9.3Z	33 27.047	0.0015	12	-43 43 11.42	-0.009	12	0.64	26.972	26	00.4	10.99	24	00.4	A2	CZ	13645	P -43 7173
75	9.8E	8.0Z	33 28.333	0.0007	12	-40 31 38.09	0.006	12	0.74	28.297	45	99.9	38.38	45	99.9	MA	CZ	13654	P -40 7054
76	9.4E	9.0Z	33 30.155	0.0003	12	-41 28 16.71	-0.020	12	0.69	30.139	36	00.4	15.71	36	00.4	F0	CZ	13656	P -41 7271
77	10.2E	9.5H	33 30.764	0.0005	12	-45 51 39.32	-0.011	12	0.63	30.740	28	02.0	38.77	26	02.0		CZ	13644	P -45 7508
78	9.0E	8.5Z	33 34.515	-0.0001	12	-44 23 31.15	-0.008	12	0.64	34.520	28	01.5	30.78	26	01.5	A0	CZ	13652	P -44 7492
79	9.5E	9.6Z	33 35.158	0.0006	12	-49 3 39.16	-0.008	12	0.73	35.130	45	01.0	38.77	45	01.0	A2	CZ	13643	P -48 7677
80	10.0E	9.5Z	33 36.965	0.0008	12	-46 30 59.75	0.013	12	0.66	36.927	36	03.8	+ 0.34	36	03.8	G0	CZ	13650	P -46 7556
81	10.3E	9.6Z	33 39.036	-0.0010	12	-49 3 45.22	-0.016	12	0.73	39.087	45	01.0	44.44	45	01.0	A2	CZ	13649	P -48 7679
82	8.3E	7.7M	33 41.724	0.0014	12	-40 28 41.34	-0.016	12	0.67	41.652	28	98.4	40.51	26	98.4	K0	CZ	13662	P -40 7055
83	9.3E	9.0Z	33 42.077	-0.0010	12	-47 57 28.08	-0.017	12	0.66	42.126	36	03.5	27.27	36	03.5	A2	CZ	13655	P -47 7249
84	7.5E	8.0Z	33 44.654	-0.0006	12	-44 12 0.08	-0.004	12	0.67	44.681	36	02.5	-59.87	36	02.5	A2	CZ	13659	P -43 7174
85	8.6E	8.4Z	33 44.990	0.0006	12	-41 40 10.91	-0.009	12	0.66	44.957	28	99.4	10.47	26	99.4	A3	CZ	13663	P -41 7272
86	10.0E	9.0Z	33 46.580	-0.0011	12	-41 17 45.63	-0.020	12	0.73	46.633	45	01.4	44.64	45	01.4	A5	CZ	13665D	P -41 7273
87	10.5E	9.2H	33 46.954	-0.0017	12	-41 17 50.14	-0.029	12	0.73	47.036	45	01.4	48.72	45	01.4	A5	CZ	13666D	P -41 7273
88	8.8E	8.5Z	33 48.121	-0.0015	12	-49 16 41.27	0.003	12	0.73	48.196	45	01.0	41.42	45	01.0	A0	CZ	13657	P -49 8341
89		7.3T	33 50.340	0.0008	14	-40 31 14.49	0.014	10	0.66	50.307	17	99.0	15.27	15	96.0	K0	GC	20975	C -40 9794
90	9.4E	9.6Z	33 51.285	-0.0030	12	-49 8 19.98	-0.042	12	0.73	51.433	45	01.0	17.93	45	01.0	F5	CZ	13658	P -48 7687
91	8.6E	8.5Z	33 51.736	0.0000	12	-47 15 10.63	-0.006	12	0.66	51.735	36	03.5	10.34	36	03.5	B9	CZ	13661	P -47 7252
92	10.3E	9.8Z	33 55.174	-0.0004	12	-48 57 11.32	-0.021	12	0.73	55.196	45	01.0	10.29	45	01.0		CZ	13660	P -48 7689
93	10.0E	9.0Z	33 58.990	-0.0068	12	-43 10 26.57	-0.073	12	0.73	59.318	45	02.0	23.05	45	02.0	G5	CZ	13668	P -42 7107
94	10.1E	9.0Z	34 2.104	-0.0015	12	-49 50 18.68	-0.035	12	0.73	2.176	45	01.0	16.96	45	01.0	K2	CZ	13664	P -49 8345
95	10.1E	9.0Z	34 6.395	0.0005	12	-46 44 27.95	-0.004	12	0.66	6.370	36	03.8	27.75	36	03.8	K2	CZ	13669	P -46 7563
96	9.8E	9.5Z	34 6.714	0.0024	12	-45 43 16.71	-0.024	12	0.66	6.601	36	03.2	15.58	36	03.2	F0	CZ	13671	P -45 7513
97	10.5E	9.8Z	34 11.414	-0.0011	12	-48 26 11.52	-0.004	12	0.73	11.470	45	01.0	11.31	45	01.0		CZ	13670	P -48 7693
98	9.1E	8.5Z	34 12.100	0.0007	12	-45 32 13.34	-0.008	12	0.71	12.066	45	03.5	13.05	45	03.5	K0	CZ	13672	P -45 7516
99	10.5E	9.9Z	34 19.916	-0.0026	12	-48 29 47.97	-0.009	12	0.73	20.045	45	01.0	47.51	45	01.0		CZ	13673	P -48 7701
00	10.4E	9.7H	34 25.771	-0.0008	12	-47 50 20.67	-0.011	12	0.63	25.812	28	02.2	20.13	26	02.2	A0	CZ	13674	P -47 7257

226000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.5E	8.5Z	15 34 34.850	0.0014	12	-42 59 36.66	-0.017	12	0.65	34.781	28	99.8	35.79	26	99.8	B9	CZ	13677	P -42 7109
2	10.1E	9.4Z	34 38.346	0.0005	12	-45 26 7.23	-0.026	12	0.71	38.321	45	03.5	6.01	45	03.5	A	CZ	13676	P -45 7523
3	9.3E	9.0Z	34 38.481	-0.0002	12	-41 13 52.75	-0.019	12	0.73	38.489	45	01.4	51.82	45	01.4	A0	CZ	13680	P -40 7061
4		4.3T	34 40.555	-0.0131	07	-42 24 17.46	0.058	04	0.27	41.120	10	07.0	20.30	09	00.9	K5	GC	21001K	C -4210601
5	9.2E	8.0Z	34 48.438	0.0006	12	-41 23 48.77	0.004	12	0.73	48.408	45	01.4	48.95	45	01.4	K2	CZ	13683	P -41 7277
6	10.3E	9.5Z	34 55.207	0.0010	12	-42 50 22.96	0.003	12	0.73	55.160	45	01.5	23.08	45	01.5	A2	CZ	13685	P -42 7113
7	9.6E	9.5Y	34 59.055	-0.0008	12	-49 25 28.50	0.000	12	0.66	59.067	31	00.4	28.51	28	00.4	A2	CZ	13692	P -49 8383
8	9.4E	8.5Z	34 59.208	0.0018	12	-45 57 9.69	0.007	12	0.71	59.213	45	03.5	10.00	45	03.5	K2	CZ	13684	P -45 7534
9	10.5E	9.3Z	34 59.901	-0.0019	12	-42 21 12.58	-0.016	12	0.73	0.076	45	01.5	11.82	45	01.5	G5	CZ	13688	P -42 7115
10		7.3T	35 12.616	0.0025	15	-45 32 45.02	-0.018	11	0.70	12.493	19	00.7	44.09	18	97.1	B8	GC	21010	C -4510078
11	8.7E	7.5Z	35 13.005	-0.0002	12	-42 58 57.24	-0.016	12	0.73	13.016	45	01.5	56.45	45	01.5	K0	CZ	13692	P -42 7117
12	9.4E	9.2Z	35 13.197	0.0021	12	-46 42 44.93	-0.019	12	0.70	13.100	45	04.5	44.06	45	04.5	A2	CZ	13689	P -46 7571
13	9.6E	9.0Z	35 22.533	0.0018	12	-43 21 6.72	-0.029	12	0.73	22.448	45	02.0	5.31	45	02.0	F2	CZ	13695	P -43 7189
14	10.3E	9.7Z	35 26.257	-0.0011	12	-49 17 55.25	-0.005	12	0.73	26.312	45	01.0	55.01	45	01.0		CZ	13693	P -49 8373
15	9.4E	8.0Z	35 31.156	-0.0011	12	-48 27 4.82	-0.009	12	0.66	31.213	31	00.4	4.36	28	00.4	MA	CZ	13694	P -48 7735
16	9.7E	9.5Z	35 31.659	0.0003	12	-47 12 56.04	-0.007	12	0.71	31.644	45	04.0	55.71	45	04.0	A0	CZ	13696	P -46 7573
17	10.3E	9.5+	35 31.892	0.0017	12	-46 14 30.95	-0.019	12	0.64	31.811	31	02.5	30.04	28	02.5	A	CZ	13698	P -45 7529
18	9.8E	8.0Z	35 32.750	0.0001	12	-46 57 0.18	-0.012	12	0.70	32.744	45	04.5	-59.63	45	04.5	K5	CZ	13697	P -46 7574
19	9.3E	9.5Z	35 34.190	0.0001	12	-41 59 1.52	-0.017	12	0.73	34.188	45	01.4	0.71	45	01.4	A0	CZ	13703	P -41 7283
20	9.3E	8.2Z	35 35.967	-0.0009	12	-40 56 6.84	-0.012	12	0.84	36.009	63	01.3	6.24	57	01.3	A2	CZ	13704	P -40 7063
21	9.8E	9.0Z	35 36.693	0.0033	12	-47 3 0.38	-0.020	12	0.63	36.535	28	02.5	-59.42	26	02.5	F0	CZ	13699	P -46 7575
22	9.6E	9.4Z	35 42.125	-0.0017	12	-48 7 50.84	-0.014	12	0.71	42.205	45	04.0	50.18	45	04.0	F5	CZ	13702	P -47 7273
23	10.3E	9.9Z	35 43.289	0.0004	12	-49 57 19.22	-0.009	12	0.73	43.247	45	01.0	18.77	45	01.0		CZ	13700	P -49 8377
24	10.0E	9.4Z	35 51.063	0.0000	12	-41 31 50.64	-0.011	12	0.73	51.062	45	01.4	50.09	45	01.4	A3	CZ	13708	P -41 7287
25	9.4E	9.0Z	35 57.953	0.0008	12	-43 20 6.17	-0.017	12	0.73	57.916	45	02.0	5.34	45	02.0	F0	CZ	13711	P -43 7194
26	9.0E	8.5Z	36 11.861	0.0005	12	-48 54 18.31	-0.008	12	0.66	11.838	31	00.5	17.92	28	00.5	A0	CZ	13712	P -48 7749
27	10.4E	9.8Z	36 14.558	-0.0002	12	-49 28 39.43	-0.005	12	0.73	14.569	45	01.0	39.19	45	01.0		CZ	13713	P -49 8393
28	10.2E	8.5Z	36 15.119	-0.0002	12	-42 8 27.61	-0.008	12	0.66	15.131	28	99.7	27.22	26	99.7	K2	CZ	13722	P -41 7280
29	9.0E	9.0Z	36 15.648	-0.0001	12	-47 18 51.74	-0.008	12	0.64	15.651	31	02.2	51.35	28	02.2	A0	CZ	13715	P -47 7280
30	8.7E	7.7Z	36 17.044	-0.0012	12	-41 25 35.79	-0.024	12	0.65	17.103	26	99.4	34.56	24	99.4	K0	CZ	13724	P -41 7290
31	10.4E	9.0Z	36 19.792	-0.0001	12	-49 40 32.37	0.001	12	0.73	19.795	45	01.0	32.41	45	01.0		CZ	13714	P -49 8395
32	9.4E	8.7Z	36 19.837	-0.0006	12	-44 31 12.30	-0.006	12	0.72	19.865	45	02.5	12.03	45	02.5	A2	CZ	13723	P -44 7515
33		7.6T	36 21.757	0.0008	14	-42 36 20.86	-0.012	11	0.70	21.718	22	99.3	20.21	19	94.6	B3	GC	21036	C -4210636
34	10.1E	10.0Z	36 23.518	-0.0020	12	-49 1 32.63	-0.053	12	0.73	23.617	45	01.0	30.04	45	01.0		CZ	13718	P -48 7755
35	10.4E	9.8Z	36 25.606	0.0003	12	-49 36 6.05	0.000	12	0.73	25.590	45	01.0	6.06	45	01.0		CZ	13719	P -49 8399
36	7.6E	7.0Z	36 26.989	0.0008	12	-43 27 23.50	-0.023	12	0.65	26.950	28	00.5	22.35	26	00.5	B5	CZ	13729	P -43 7199
37	10.1E	8.2Z	36 29.922	-0.0004	12	-46 45 16.32	-0.023	12	0.70	29.939	45	04.5	15.27	45	04.5	K5	CZ	13727	P -46 7587
38	10.4E	9.8Z	36 32.441	-0.0005	12	-48 27 13.19	-0.000	12	0.73	32.468	45	01.0	13.17	45	01.0		CZ	13725	P -48 7758
39	9.6E	9.5Z	36 34.705	-0.0006	12	-48 51 28.16	-0.008	12	0.73	34.731	45	01.0	27.77	45	01.0	A0	CZ	13728	P -48 7760
40	10.1E	9.5Z	36 36.383	-0.0018	12	-45 43 52.90	-0.036	12	0.71	36.466	45	03.5	51.22	45	03.5	F5	CZ	13730	P -45 7544
41		7.5T	36 41.106	-0.0003	20	-44 51 33.82	-0.087	22	1.01	41.120	21	02.9	29.77	21	03.4	K2	GC	21047	C -4410297
42	9.5E	9.5Z	36 43.033	0.0011	12	-46 56 48.60	-0.015	12	0.70	42.981	45	04.5	47.91	45	04.5	A0	CZ	13734	P -46 7590
43	10.4E	9.6Z	36 43.146	-0.0000	12	-42 45 31.79	-0.023	12	0.73	43.148	45	01.5	30.66	45	01.5	K0	CZ	13739	P -42 7130
44	9.4E	9.0Z	36 44.345	-0.0013	12	-48 15 26.13	-0.003	12	0.73	44.411	45	01.0	25.96	45	01.0	A0	CZ	13731	P -48 7765
45	8.8E	9.2Z	36 46.436	0.0010	12	-42 52 29.57	-0.012	12	0.73	46.389	45	01.5	28.97	45	01.5	B8	CZ	13740	P -42 7131
46	8.7E	8.2Z	36 54.449	0.0011	12	-43 20 43.25	0.002	12	0.73	54.398	45	02.0	43.32	45	02.0	F0	CZ	13743	P -43 7205
47	9.5	9.1M	36 55.304	0.0011	13	-40 2 1.03	-0.015	13	0.86	55.288	15	35.5	0.81	21	35.5	A5	CB	7728	C -3910074
48		8.4T	36 56.814	-0.0007	17	-44 5 8.39	-0.005	15	0.81	56.847	19	01.5	8.14	18	99.4	A0	GC	21050	C -4310100
49		7.2T	36 57.921	-0.0009	14	-44 7 38.83	-0.010	12	0.71	57.984	22	01.6	38.31	21	97.6	B8	GC	21051	C -4310101
50	9.9E	9.8Z	36 58.832	-0.0008	12	-47 51 28.25	-0.010	12	0.71	58.871	45	04.0	27.77	45	04.0	A0	CZ	13741	P -47 7291
51	10.0E	8.5Z	15 37 6.838	-0.0014	12	-49 41 52.41	0.001	12	0.73	6.905	45	01.0	52.45	45	01.0	K2	CZ	13742	P -49 8416
52	8.6E	9.0Z	37 8.053	-0.0010	12	-48 1 50.95	-0.026	12	0.71	8.101	45	04.0	49.74	45	04.0	B9	CZ	13748	P -47 7293
53	8.1E	8.0Z	37 9.167	0.0010	12	-42 51 5.56	-0.008	12	0.65	9.119	28	00.2	5.14	26	00.2	B8	CZ	13750	P -42 7134
54	7.8E	8.0Z	37 11.323	-0.0009	12	-41 47 0.04	-0.019	12	0.66	11.370	28	99.4	-59.10	26	99.4	A0	CZ	13752	P -41 7297
55	10.2E	9.8Z	37 18.252	0.0008	12	-49 58 52.00	-0.010	12	0.73	18.211	45	01.0	51.51	45	01.0	A5	CZ	13749	P -49 8422
56	9.2E	9.0Z	37 22.725	-0.0011	12	-41 30 50.32	-0.002	12	0.73	22.778	45	01.4	50.21	45	01.4	A2	CZ	13758	P -41 7298
57	8.2E	8.0Z	37 22.855	-0.0001	12	-42 20 14.45	-0.042	12	0.65	22.863	28	99.8	12.36	26	99.8	A2	CZ	13757	P -42 7135
58		7.2T	37 23.997	-0.0042	12	-44 27 42.75	-0.069	12	0.65	24.210	21	99.1	39.03	19	96.1	A3	GC	21061	C -4410306
59		6.3T	37 24.781	-0.0026	15	-47 34 28.69	-0.026	11	0.67	24.904	18	02.2	27.35	19	97.9	K5	GC	21062K	C -4710210
60	9.4E	8.5Z	37 25.721	-0.0058	12	-44 30 23.46	-0.047	12	0.72	25.996	45	02.5	21.24	45	02.5		CZ	13756	P -44 7526
61	9.2E	8.2Z	37 32.476	-0.0044	12	-44 26 46.66	-0.026	12	0.72	32.684	45	02.5	45.45	45	02.5	F8	CZ	13760	P -44 7527
62	9.7E	8.5Z	37 33.075	0.0002	12	-42 39 53.66	-0.021	12	0.73	33.067	45	01.5	52.62	45	01.5	K0	CZ	13761	P -42 7136
63	9.5E	9.5Z	37 42.472	0.0006	12	-41 40 19.43	-0.086	12	0.73	42.441	45	01.4	15.26	45	01.4	G5	CZ	13765	P -41 7299
64		4.7T	37 44.506	-0.0167	05	-44 29 50.11	-0.263	04	0.26	45.290	10	03.0	36.12	10	96.8	F5	GC	21070	C -4410310
65	10.1E	9.5Z	37 51.239	-0.0010	12	-46 21 37.65	-0.024	12	0.65	51.284	36	04.5	36.55	36	04.5	A2	CZ	13766	P -46 7603
66	9.5E	9.0Z	37 54.648	0.0031	12	-46 53 34.89	-0.006	12	0.65	54.505	36	04.5	34.60	36	04.5	F2	CZ	13768	P -46 7604
67	9.9E	9.0Z	38 0.893	-0.0004	12	-48 47 10.68	-0.012	12	0.64	0.914	28	01.5	18.10	26	01.5	A0	CZ	13770	P -48 7792
68		9.1T	38 3.972	-0.0028	20	-44 42 8.17	-0.031	20	0.90	4.095	24	05.9	1.78	24	05.1	A0	GC	21077	C -4410516
69	9.9E	9.7Z	38 6.408	0.0014	12	-49 4 8.28	-0.008	12	0.68	6.343	36	02.1	7.90	36	02.1		CZ	13771	P -48 7794
70	10.2E	9.6Z	38 6.911	0.0002	12	-41 55 22.00	-0.014	12	0.68	6.899	36	01.3	21.33	36	01.3	A2	CZ	13779	P -41 7303
71	9.4E	8.2Z	38 8.812	0.0000	12	-46 43 9.81	-0.012	12	0.65	8.810	36	04.5	9.25	36	04.5	K2	CZ	13775	P -46 7607
72	8.7E	8.0M	38 10.434	-0.0031	12	-45 21 48.48	-0.037	12	0.66	10.575	36	03.8	46.76	36	03.8	A3	CZ	13777D	P -45 7560
73	9.3E	9.0Z	38 12.680	0.0005	12	-48 40 45.64	-0.001	12	0.68	12.657	36	02.1	45.60	36	02.1	A5	CZ	13774	P -48 7798
74	9.4E	9.2Z	38 12.743	-0.0008	12	-42 0 30.17	-0.010	12	0.68	12.769	36	01.3	49.69	36	01.3	A0	CZ	13782	P -41 7304
75	9.8E	8.5Z	38 15.408	-0.0038	12	-41 52 53.66	-0.030	12	0.68	15.591	36	01.3	52.22	36	01.3	K2	CZ	13785	P -41 7305
76	10.4E	9.4+	38 17.903	-0.0017	12	-45 39 48.36	-0.019	12	0.63	17.983	28	02.5	47.45	26	02.5		CZ	13781	P -45 7561
77	9.2E	8.7Z	38 27.305	-0.0002	12	-46 33 28.51	0.003	12	0.65	27.312	36	04.5	26.64	36	04.5	F8	CZ	13787	P -46 7613
78		8.6T	38 27.837	0.0006	16	-48 7 33.88	0.001	13	0.76	27.795	19	00.4	33.95	18	97.7	B9	GC	21081K	C -4710225
79	9.3E	8.5Z	38 29.645	-0.0022	12	-49 14 38.81	-0.022	12	0.73	29.754	45	01.0	37.73	45	01.0	F0	CZ	13784	P -48 7809
80	9.7E	9.8Z	38 36.291	0.0020	12	-49 51 3.90	-0.008	12	0.73	36.191	45	01.0	3.50	45	01.0		CZ	13788	P -49 8448
81	9.2E	9.0Z	38 36.888	0.0000	12	-44 22 1.03	-0.002	12	0.67	36.888	36	03.2	0.96	36	03.2	B9	CZ	13792	P -44 7540
82	9.3E	9.5Z	38 38.142	0.0006	12	-43 45 13.87	-0.005	12	0.67	38.113	36	02.9	13.65	36	02.9	A0	CZ	13794	P -43 7219
83	8.4E	8.5Z	38 40.911	0.0006	12	-49 50 19.54	-0.004	12	0.66	40.879	31	00.4	19.33	28	00.4	B5	CZ	13789	P -49 8451
84	9.0E	8.5Z	38 44.211	-0.0027	12	-49 37 16.75	0.001	12	0.73	44.341	45	01.0	16.80	45	01.0	F0	CZ	13790	P -49 8452
85		7.0T	38 48.503	-0.0018	12	-49 3 30.14	-0.007	12	0.65	48.591	22	02.4	29.76	21	97.5	K2	GC	21090	C -4810218
86		9.0T	38 55.493	-0.0184	22	-40 39 40.18	-0.135	22	1.07	56.348	18	03.4	33.83	18	02.8	G5	GC	21091	C -40 9847
87	10.2E	9.0Z	38 56.856	0.0022	12	-46 17 14.06	-0.019	12	0.65	56.755	36	04.5	13.19	36	04.9	K0	CZ	13801	P -46 7623
88	9.3E	8.0Z	38 57.816	-0.0000	12	-48 31 58.40	-0.016	12	0.68	57.816	36	02.1	57.61	36	02.1	K2	CZ	13796	P -48 7820
89		8.1T	38 59.377	-0.0015	10	-49 19 49.61	-0.028	07	0.37	59.440	09	09.0	48.37	09	06.2	K0	GC	21092	C -49 9909
90	9.2E	8.8Z	39 0.494	-0.0015	12	-46 52 39.05	-0.041	12	0.62	0.563	28	03.0	37.11	26	03.0	A3	CZ	13802	P -46 7626
91	10.5E	9.7Z	39 3.283	0.0003	12	-49 27 39.51	-0.005	12	0.73	3.289	45	01.0	59.27	45	01.0		CZ	13800	P -49 8463
92	9.0E	9.5Z	39 7.206	-0.0004	12	-40 56 29.96	-0.015	12	0.64	7.226	63	01.3	29.22	57	01.3	A0	CZ	13807	P -40 7070
93		8.4T	39 16.093	0.0000	16	-44 49 28.01	-0.027	17	0.86	16.092	19	02.8	26.72	19	02.1	A0	GC	21100	C -4410332
94	9.2E	9.4Z	39 23.675	-0.0003	12	-48 51 57.04	-0.034	12	0.68	23.691	36	02.1	55.42	36	02.1	F8	CZ	13808	P -48 7830
95	9.3E	9.0Z	39 23.735	0.0007	12	-49 48 54.54	-0.015	12	0.73	23.699	45	01.0	53.80	45	01.0	A0	CZ	13806	P -49 8471
96	8.2E	7.5Z	39 25.033	0.0026	12	-44 4 41.50	0.021	12	0.72	24.911	45	03.1	42.50	45	03.1	K2	CZ	13818	P -43 7227
97		8.9T	39 25.270	-0.0168	22	-44 47 4.62	-0.077	26	1.06	25.997	24	06.7	1.35	26	07.5	A0	GC	21104	C -4410333
98	10.3E	8.7Z	39 25.700	0.0002	12	-45 54 0.55	0.009	12	0.71	25.691	45	03.5	0.96	45	03.5	K2	CZ	13814	P -45 7575
99	10.2E	9.0Z	39 30.335	0.0005	12	-41 28 36.00	-0.008	12	0.68	30.309	28	99.7	35.58	26	99.7	K2	CZ	13832	P -41 7310
00	9.8E	9.0Z	39 30.778	0.0010	12	-48 10 55.24	-0.012	12	0.68	30.732	36	02.1	54.65	36	02.1	A0	CZ	13815	P -47 7318

226100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 15H DM NUMBER
1	8.9E	8.5Z	15 39 34.643	-0.0011	12	-45 54 12	-0.000	12	0.71	34.694	45	03.5	54.12	45	03.5	F0	CZ	13828	P -45 7576
2	10.0E	9.5Z	39 35.893	-0.0008	12	-46 35 14.72	-0.016	12	0.70	35.927	45	04.5	13.98	45	04.5		CZ	13827	P -46 7632
3	9.3E	8.5Z	39 36.385	0.0009	12	-48 41 44.90	-0.001	12	0.65	36.343	31	02.2	44.86	31	02.2	K2	CZ	13821	P -48 7837
4		7.4T	39 36.676	-0.0018	14	-45 55 9.12	-0.026	11	0.67	36.764	22	01.1	7.71	19	95.0	M0	GC	21109	C -4510147
5	9.8E	9.0Z	39 42.889	0.0005	12	-43 0 59.20	-0.004	12	0.65	42.866	28	00.1	58.98	28	00.1	K0	CZ	13839	P -42 7150
6	9.7E	9.5Z	39 44.016	0.0008	12	-48 17 15.52	-0.007	12	0.64	43.989	31	02.2	15.17	28	02.2	A0	CZ	13833	P -48 7843
7	9.8E	9.4M	39 44.211	-0.0016	12	-45 20 17.89	-0.003	12	0.65	44.286	31	01.8	17.73	28	01.8		CZ	13836	P -45 7579
8	9.7E	8.0Z	39 44.506	-0.0124	12	-44 53 35.87	-0.128	12	0.71	45.082	45	03.5	29.93	45	03.5	K2	CZ	13838D	P -44 7550
9	9.4E	8.6Z	39 44.670	0.0004	12	-47 47 12.95	-0.012	12	0.70	44.654	45	04.5	12.39	45	04.5	A0	CZ	13834	P -47 7324
10	9.8E	9.5*	39 46.026	-0.0011	12	-42 36 15.94	-0.025	12	0.65	46.079	28	00.1	14.71	28	00.1	A0	CZ	13843	P -42 7151
11	10.1E	9.0Z	39 46.752	-0.0008	12	-44 25 8.36	-0.014	12	0.71	46.788	45	03.5	7.72	45	03.5	G0	CZ	13840	P -44 7552
12	10.1E	9.6Z	39 47.102	-0.0006	12	-45 51 26.58	-0.002	12	0.71	47.130	45	03.5	26.48	45	03.5	A0	CZ	13837	P -45 7580
13	8.8E	8.5Z	39 52.396	-0.0032	12	-40 52 43.99	-0.077	12	0.84	52.550	63	01.3	40.25	57	01.3	K0	CZ	13846	P -40 7075
14	9.6E	9.0Z	39 55.854	0.0003	12	-46 57 53.66	-0.009	12	0.70	55.839	45	04.5	53.24	45	04.5	A0	CZ	13844	P -46 7636
15	10.1E	9.3Z	40 2.139	-0.0029	12	-41 34 42.36	0.007	12	0.73	2.278	45	01.3	42.69	45	01.3	G5	CZ	13849	P -41 7315
16	10.0E	9.6Z	40 12.914	0.0003	12	-47 7 50.73	-0.015	12	0.70	12.899	45	04.5	50.04	45	04.5	A0	CZ	13850	P -46 7639
17	10.1E	10.0Z	40 13.552	-0.0011	12	-49 33 7.71	-0.015	12	0.72	13.603	45	03.0	7.00	45	03.0		CZ	13847	P -49 8490
18	8.9E	9.2Z	40 19.059	-0.0003	12	-49 55 53.91	-0.006	12	0.72	19.071	45	03.0	53.62	45	03.0	A0	CZ	13851	P -49 8492
19	8.8E	8.5Z	40 26.380	-0.0008	12	-49 3 17.41	-0.002	12	0.63	26.420	28	02.2	17.31	26	02.2	B9	CZ	13855	P -48 7853
20	9.1E	8.5Z	40 33.469	-0.0015	12	-49 3 45.24	0.001	12	0.71	33.560	45	03.5	45.28	45	03.5	B9	CZ	13856	P -48 7857
21	8.1E	8.5Z	40 33.625	-0.0006	12	-41 51 11.79	-0.013	12	0.65	33.653	26	99.4	11.15	24	99.4	A0	CZ	13862	P -41 7318
22		9.2T	40 34.014	-0.0004	20	-44 45 26.25	-0.039	22	0.96	34.031	24	06.0	24.53	24	06.0	A0	GC	21128	C -4410348
23	10.0E	9.5Z	40 35.942	-0.0009	12	-42 6 22.59	-0.014	12	0.73	35.983	45	01.3	21.92	45	01.3	A0	CZ	13863	P -41 7319
24	9.8E	9.0Z	40 36.728	0.0000	12	-46 19 50.20	-0.015	12	0.64	36.726	31	02.5	49.47	28	02.5	A0	CZ	13858	P -46 7644
25	10.3E	9.8Z	40 36.925	0.0021	12	-49 33 49.53	-0.015	12	0.72	36.826	45	03.0	48.83	45	03.0		CZ	13857	P -49 8500
26	8.2E	7.5Z	40 43.844	-0.0006	12	-43 57 22.67	0.019	12	0.65	43.873	28	00.9	23.62	26	00.9	A0	CZ	13865	P -43 7239
27	9.7E	9.9Z	40 44.961	0.0001	12	-49 57 53.98	-0.002	12	0.72	44.954	45	03.0	53.88	45	03.0		CZ	13866	P -49 8503
28	9.1E	8.5Z	40 48.103	-0.0001	12	-43 28 14.67	-0.021	12	0.64	48.109	28	01.2	13.62	26	01.2	A3	CZ	13868	P -43 7241
29	9.8E	9.6Z	40 53.046	-0.0011	12	-41 35 51.98	-0.006	12	0.73	53.097	45	01.3	51.67	45	01.3	A3	CZ	13873	P -41 7322
30	9.7E	9.5Z	40 58.647	-0.0000	12	-43 26 57.30	-0.019	12	0.72	58.649	45	03.1	56.39	45	03.1	A0	CZ	13874	P -43 7243
31		8.0T	40 59.576	-0.0029	22	-41 39 37.23	-0.019	14	0.90	59.708	24	05.0	36.31	22	01.5		GC	21137K	C -4110245
32		6.6B	40 59.686	-0.0026	12	-41 39 42.59	-0.049	10	0.62	59.820	18	99.3	39.82	18	93.6	A0	GC	21138K	C*-4110245
33	9.2E	9.0Z	41 2.380	-0.0002	12	-47 14 17.00	-0.012	12	0.64	2.388	31	02.5	16.42	28	02.5	A2	CZ	13869	P -46 7651
34	10.3E	9.0Z	41 4.664	0.0005	12	-45 37 12.10	-0.022	12	0.71	4.639	45	03.5	11.07	45	03.5	A2	CZ	13875D	P -45 7588
35	10.6E	9.1Z	41 4.718	0.0000	12	-45 37 4.65	0.022	12	0.71	4.717	45	03.5	5.66	45	03.5	A2	CZ	13876D	P -45 7588
36	8.7E	7.5Z	41 9.376	-0.0021	12	-43 53 30.86	-0.002	12	0.72	9.474	45	03.1	30.79	45	03.1	K0	CZ	13883	P -43 7247
37	8.9E	8.5Z	41 10.191	0.0012	12	-44 25 16.96	-0.004	12	0.65	10.132	31	01.8	16.78	28	01.8	A0	CZ	13882	P -44 7567
38		9.3T	41 17.494	-0.0037	18	-44 48 38.07	0.001	17	0.84	17.660	24	05.0	38.12	24	03.6	A0	GC	21148	C -4410359
39	10.0E	9.5Z	41 18.554	-0.0001	12	-47 33 12.29	-0.018	12	0.70	18.561	45	04.5	11.46	45	04.5	A2	CZ	13884	P -47 7344
40	9.6E	9.8H	41 19.023	-0.0016	12	-45 21 30.40	-0.000	12	0.71	19.096	45	03.5	30.39	45	03.5	A0	CZ	13886	P -45 7589
41	9.8E	9.2Z	41 22.100	-0.0003	12	-46 16 36.44	-0.019	12	0.70	22.113	45	04.5	35.56	45	04.5	A2	CZ	13888	P -46 7657
42	8.7E	8.5Z	41 27.315	0.0018	12	-46 5 26.01	-0.005	12	0.65	27.228	31	01.8	25.76	28	01.8	A5	CZ	13892	P -45 7590
43	9.7E	8.5Z	41 28.683	0.0016	12	-49 27 12.75	-0.013	12	0.72	28.610	45	03.0	12.14	45	03.0	K0	CZ	13887	P -49 8520
44	9.4E	8.5Z	41 30.062	-0.0003	12	-48 0 13.98	-0.034	12	0.64	30.078	31	02.5	12.35	28	02.5	F8	CZ	13891	P -47 7348
45	8.9E	9.2Z	41 31.948	0.0008	12	-48 56 45.99	-0.004	12	0.71	31.912	45	03.5	45.81	45	03.5	A0	CZ	13890	P -48 7886
46	9.5E	9.2H	41 33.353	-0.0007	12	-45 21 44.31	-0.012	12	0.71	33.383	45	03.5	43.74	45	03.5	F8	CZ	13894	P -45 7592
47	9.7E	9.1Z	41 40.415	-0.0022	12	-40 41 5.82	-0.035	12	0.84	40.521	63	01.3	4.10	57	01.3	G5	CZ	13895	P -40 7081
48	8.5E	8.5Z	41 40.538	0.0000	12	-49 39 11.77	-0.011	12	0.65	40.536	31	01.8	11.25	28	01.8	B8	CZ	13893	P -49 8525
49	9.9E	8.5Z	41 48.854	-0.0005	12	-41 35 53.99	-0.015	12	0.73	48.876	45	01.3	53.25	45	01.3	K0	CZ	13898	P -41 7328
50	9.8E	9.2Z	41 52.153	0.0000	12	-46 9 6.80	-0.007	12	0.81	52.152	63	04.5	6.47	57	04.5	A0	CZ	13896	P -45 7594
51	9.5E	9.0Z	15 41 55.939	-0.0004	12	-47 30 43.73	-0.024	12	0.70	55.959	45	04.5	42.63	45	04.5	G0	CZ	13897	P -47 7351
52	9.9E	9.4Z	42 2.329	-0.0006	12	-46 49 49.61	-0.013	12	0.70	2.355	45	04.5	49.01	45	04.5	A0	CZ	13900	P -46 7664
53	10.1E	8.5Z	42 4.265	-0.0021	12	-40 29 24.88	-0.039	12	0.84	4.386	63	01.3	22.98	57	01.3	K2	CZ	13909	P -40 7082
54	10.1E	9.5Z	42 9.447	-0.0014	12	-42 40 13.73	-0.016	12	0.73	9.516	45	01.4	12.93	45	01.4	F8	CZ	13910	P -42 7167
55	8.7E	8.5Z	42 10.605	-0.0003	12	-48 27 14.72	-0.001	12	0.71	10.621	45	03.5	14.66	45	03.5	A0	CZ	13902	P -48 7909
56	8.8E	8.7Z	42 12.083	-0.0012	12	-46 8 28.22	-0.020	12	0.71	12.139	45	03.5	27.28	45	03.5	A2	CZ	13908	P -45 7603
57	10.1E	9.5Z	42 12.322	0.0000	12	-46 53 33.10	-0.017	12	0.70	12.321	45	04.5	32.32	45	04.5	A2	CZ	13905	P -46 7667
58	9.9E	9.0Z	42 14.906	-0.0000	12	-48 5 35.22	-0.014	12	0.70	14.908	45	04.5	34.57	45	04.5	K0	CZ	13906	P -47 7356
59	8.0E	8.5Z	42 20.038	0.0002	12	-43 38 2.51	-0.001	12	0.72	20.030	45	03.1	2.45	45	03.1	B9	CZ	13915	P -43 7262
60	9.4E	8.0Z	42 20.437	0.0008	12	-42 42 42.10	0.038	12	0.65	20.398	28	99.8	43.99	26	99.8	G5	CZ	13916	P -42 7169
61	9.6E	9.0Z	42 21.276	0.0006	12	-45 53 22.38	0.001	12	0.71	21.248	45	03.5	22.42	45	03.5	K0	CZ	13911	P -45 7605
62	9.8E	9.5Z	42 22.068	-0.0015	12	-42 38 2.63	-0.013	12	0.73	22.164	45	01.4	2.02	45	01.4	F5	CZ	13917	P -42 7170
63	9.9E	9.5Z	42 24.220	-0.0015	12	-40 28 37.04	-0.011	12	0.84	24.292	63	01.3	36.49	57	01.3	A3	CZ	13918	P -40 7085
64		8.4T	42 42.025	0.0002	20	-44 56 39.76	-0.007	20	0.91	42.016	24	05.5	39.45	24	05.1	A3	GC	21169	C -4410379
65	10.2E	9.7Z	42 42.791	-0.0004	12	-48 39 21.81	-0.001	12	0.71	42.810	45	03.5	21.74	45	03.5		CZ	13919	P -48 7919
66	10.2E	9.0Z	42 44.888	-0.0033	12	-44 48 9.87	-0.010	12	0.71	45.041	45	03.5	9.43	45	03.5	F8	CZ	13924	P -44 7584
67	8.7E	8.5Z	42 46.810	0.0002	12	-40 51 26.39	-0.021	12	0.67	46.798	28	98.4	27.46	26	98.4	F0	CZ	13930	P -40 7088
68	9.1E	9.0Z	42 50.248	0.0002	12	-47 25 56.51	-0.009	12	0.65	50.237	36	04.2	56.09	36	04.2	A0	CZ	13923	P -47 7360
69	8.3E	8.0Z	42 52.107	-0.0026	12	-43 55 38.04	-0.002	12	0.64	52.234	28	01.0	38.16	26	01.0	A2	CZ	13931	P -43 7273
70	9.3E	8.5Z	42 53.826	-0.0006	12	-46 19 10.38	-0.015	12	0.65	53.855	36	04.2	9.69	36	04.2	F0	CZ	13927	P -46 7679
71	10.2E	9.8Z	42 54.538	-0.0006	12	-49 59 27.27	-0.015	12	0.72	54.564	45	03.0	26.56	45	03.0		CZ	13922	P -49 8549
72		10.0Z	42 55.581	-0.0007	12	-47 54 4.70	-0.010	12	0.71	55.615	45	04.0	4.23	45	04.0		CZ	13926X	P*-47 7363
73	9.5E	9.4H	43 3.133	0.0014	12	-45 6 25.76	0.007	12	0.63	3.067	26	01.7	26.08	24	01.7	B9	CZ	13934	P -44 7588
74		7.0T	43 3.567	0.0005	10	-48 34 54.93	-0.025	08	0.42	3.548	14	08.1	53.82	15	06.0	B8	GC	21180	C -4810296
75	9.9E	8.0Z	43 7.464	-0.0010	12	-41 33 31.41	-0.001	12	0.65	7.513	26	99.6	31.35	24	99.6	K2	CZ	13942	P -41 7333
76	8.5E	8.0Z	43 8.384	-0.0008	12	-46 32 41.00	-0.034	12	0.65	8.419	36	04.2	39.43	36	04.2	G5	CZ	13935	P -46 7683
77	9.1E	8.5Z	43 12.016	0.0001	12	-46 58 37.47	-0.017	12	0.62	12.010	28	02.7	36.66	26	02.7	A2	CZ	13937	P -46 7684
78	10.2E	9.9Z	43 12.046	0.0014	12	-49 24 42.49	-0.007	12	0.72	11.982	45	03.0	42.17	45	03.0		CZ	13933	P -49 8559
79	9.4E	9.0Z	43 16.727	0.0002	12	-44 31 0.93	-0.009	12	0.67	16.716	36	02.9	0.52	36	02.9	A2	CZ	13945	P -44 7591
80	9.8E	9.0Z	43 16.957	-0.0006	12	-44 49 55.99	-0.004	12	0.67	16.985	36	02.9	55.82	36	02.9	A	CZ	13943	P -44 7590
81		8.2T	43 17.745	-0.0089	20	-43 4 46.66	-0.173	20	0.97	18.177	17	01.6	38.19	17	01.0	G5	GC	21183K	C*-4210755
82	10.0E	8.5Z	43 17.809	-0.0011	12	-47 29 35.60	-0.012	12	0.65	17.858	36	04.2	35.04	36	04.2	K5	CZ	13941	P -47 7369
83	8.9E	9.0Z	43 20.635	-0.0009	12	-46 36 13.88	-0.019	12	0.65	20.675	36	04.2	13.00	36	04.2	B9	CZ	13944	P -46 7686
84	9.3E	9.0Z	43 21.884	-0.0003	12	-46 28 26.10	-0.008	12	0.65	21.897	36	04.2	25.72	36	04.2	A0	CZ	13947	P -46 7687
85	9.5E	9.0Z	43 26.119	-0.0003	12	-45 42 25.58	-0.009	12	0.64	26.134	36	01.7	25.15	26	01.7	A0	CZ	13949	P -45 7618
86	8.0E	7.5Z	43 28.223	0.0009	12	-44 5 22.86	-0.012	12	0.67	28.180	36	02.6	22.31	36	02.6	A0	CZ	13951D	P*-43 7278
87	10.5E	8.5Z	43 29.471	-0.0006	12	-49 59 39.02	-0.001	12	0.72	29.497	45	03.0	38.97	45	03.0		CZ	13946	P -49 8562
88	9.8E	9.5Z	43 31.729	-0.0018	12	-45 44 58.39	-0.021	12	0.67	31.813	36	02.9	57.39	36	02.9	A3	CZ	13952	P -45 7622
89	9.1E	9.0Z	43 33.037	0.0010	12	-40 37 17.42	-0.008	12	0.66	32.984	26	98.5	16.99	24	98.5	A0	CZ	13960	P -40 7091
90	10.2E	9.8Z	43 40.153	-0.0007	12	-49 53 42.36	-0.003	12	0.72	40.184	45	03.0	42.22	45	03.0		CZ	13950	P -49 8569
91	7.5E	8.2Z	43 40.287	0.0019	12	-41 3 38.36	0.002	12	0.86	40.187	63	98.5	38.47	57	98.5	A2	CZ	13967	P -40 7093
92	10.2E	9.8Z	43 43.079	-0.0016	12	-49 7 23.36	-0.004	12	0.71	43.154	45	03.5	23.18	45	03.5		CZ	13955	P -48 7938
93	10.4E	9.4Z	43 43.401	0.0004	12	-46 49 28.44	-0.008	12	0.65	43.381	36	04.2	28.07	36	04.2	A2	CZ	13959	P -46 7692
94	9.3E	9.0Z	43 43.924	-0.0007	12	-48 25 12.21	-0.007	12	0.71	43.958	45	03.5	11.87	45	03.5	A0	CZ	13956	P -48 7941
95	10.3E	9.8Z	43 46.263	0.0006	12	-47 2 45.99	-0.006	12	0.65	46.234	36	04.2	45.71	36	04.2	A0	CZ	13961	P -46 7693
96	9.4E	9.0Z	43 47.907	0.0027	12	-44 32 31.20	0.020	12	0.67	47.779	36	02.9	32.16	36	02.9	G5	CZ	13968	P -44 7598
97	10.1E	9.5Z	43 48.327	0.0006	12	-40 30 14.94	-0.007	12	0.86	48.295	63	98.5	14.56	57	98.5	A5	CZ	13973	P -40 7094
98		7.6T	43 48.914	0.0017	17	-42 2 54.87	-0.144	13	0.78	48.829	19	01.4	47.43	17	98.4	G0	GC	21191	C -4110296
99	9.7E	8.5Z	43 50.756	0.0000	12	-46 48 56.68	-0.012	12	0.65	50.755	36	04.2	56.12	36	04.2	K0	CZ	13966	P -46 7694
00	9.0E	8.5Z	43 51.341	0.0006	12	-41 40 51.02	-0.016	12	0.74	51.309	45	99.9	50.23	45	99.9	A0	CZ	13975	P -41 7338

226200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/100	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/100	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6	9.3M	15 43 55.330	0.0001	10	-40 1 24.16	-0.010	10	0.23	55.328	15	35.5	24.01	21	35.5	F8	C0	7783	C -3910152
2		6.9T	43 59.788	-0.0041	16	-40 52 21.20	-0.004	12	0.73	59.979	21	02.4	21.01	19	97.9	K0	GC	21200	C -40 9985
3	8.7E	8.5Z	43 59.995	0.0008	12	-40 29 16.49	-0.010	12	0.71	59.956	45	03.5	16.01	45	03.5	A0	CZ	13970	P -40 7847
4	10.4E	9.8Z	44 1.689	-0.0003	12	-49 27 41.45	-0.012	12	0.72	1.714	45	03.5	40.89	45	03.0		CZ	13969	P -49 8578
5	9.1E	9.0Z	44 1.771	-0.0001	12	-48 14 31.34	-0.016	12	0.71	1.778	45	03.5	30.49	45	03.5	A2	CZ	13972	P -48 7849
6		8.5T	44 5.443	-0.0154	15	-40 2 22.71	-0.038	10	0.62	6.156	15	03.6	20.77	15	99.6	G5	GC	21202	C -3910157
7	8.3E	9.0Z	44 5.479	-0.0008	12	-49 4 17.45	-0.008	12	0.71	5.490	45	03.5	17.03	45	03.5	B8	CZ	13974	P -49 8571
8	10.0E	9.8Z	44 8.545	-0.0008	12	-49 59 49.28	-0.016	12	0.72	8.572	45	03.0	48.52	45	03.0		CZ	13976	P -49 8579
9	9.8E	9.5Z	44 9.810	0.0005	12	-47 15 52.42	-0.015	12	0.65	9.586	36	04.2	51.72	36	04.2	K0	CZ	13979	P -47 7378
10	9.9E	9.6Z	44 15.212	-0.0011	12	-48 59 17.36	-0.022	12	0.71	15.285	45	03.5	16.34	45	03.5		CZ	13980	P -48 7956
11		8.8T	44 21.984	-0.0054	18	-44 31 56.51	-0.015	14	0.82	22.234	24	03.6	55.76	21	99.3	K0	GC	21207	C -4410400
12	10.3E	9.0Z	44 28.522	0.0003	12	-48 21 46.12	-0.008	12	0.71	28.510	45	03.5	45.73	45	03.5		CZ	13984	P -48 7981
13	10.3E	9.0M	44 28.772	-0.0000	12	-47 41 33.08	-0.004	12	0.62	28.774	28	02.7	32.87	28	02.7	G5	CZ	13987	P -47 7344
14	9.5E	8.7Z	44 25.998	0.0018	12	-44 28 3.34	-0.012	12	0.65	25.898	31	01.5	2.77	28	01.5	F8	CZ	13991	P -44 7002
15	9.8E	8.5Z	44 28.421	-0.0019	12	-48 49 49.66	-0.026	12	0.71	28.510	45	03.5	48.45	45	03.5	F5	CZ	13986	P -48 7982
16	10.2E	10.0Z	44 28.507	0.0009	12	-49 13 24.40	-0.011	12	0.72	28.466	45	03.0	23.89	45	03.0		CZ	13985	P -48 7980
17	10.2E	9.0Z	44 31.085	0.0009	12	-40 53 58.21	0.004	12	0.86	31.037	63	98.5	58.41	57	98.5	K0	CZ	13995	P -40 7086
18		7.5T	44 32.513	0.0004	22	-49 35 21.30	-0.002	18	0.94	32.495	24	06.4	21.41	24	04.9	K5	GC	21212	C -4910007
19	8.9E	8.0Z	44 38.818	0.0016	12	-49 5 7.01	-0.019	12	0.71	38.745	45	03.5	6.14	45	03.5	K2	CZ	13993	P -48 7985
20		8.0T	44 41.383	-0.0105	20	-49 36 34.79	-0.063	16	0.86	41.870	19	03.6	31.75	19	02.1	F8	GC	21214	C -4910008
21	9.8E	9.5Z	44 42.498	-0.0002	12	-43 8 50.09	-0.010	12	0.73	42.509	45	01.4	49.58	45	01.4	A0	CZ	13996	P -42 7186
22	9.1E	8.5Z	44 46.672	-0.0001	12	-42 1 8.96	-0.019	12	0.74	46.680	45	99.9	8.03	45	99.9	A2	CZ	13999	P -41 7342
23		7.1T	44 51.128	-0.0001	16	-44 11 54.47	-0.001	11	0.70	51.132	24	03.2	54.42	21	98.1	A2	GC	21219	C -4310040
24	8.2E	8.0Z	44 52.640	-0.0004	12	-43 18 20.87	-0.042	12	0.65	52.661	28	00.8	18.78	26	00.8	B9	CZ	14001	P -43 7293
25	8.7E	8.7Z	44 53.103	0.0023	12	-40 25 1.64	-0.026	12	0.68	52.983	28	97.7	0.27	26	97.7	B9	CZ	14005	P -40 7099
26	10.1E	9.5Z	44 53.980	0.0012	12	-42 0 27.53	-0.005	12	0.74	53.858	45	99.9	27.29	45	99.9	A0	CZ	14002	P -41 7343
27	10.1E	9.2Z	44 56.773	-0.0002	12	-41 50 29.20	-0.042	12	0.74	56.786	45	99.9	27.11	45	99.9	G5	CZ	14006	P -41 7344
28	9.1E	8.5Z	44 57.731	-0.0003	12	-43 24 39.68	-0.021	12	0.72	57.747	45	03.0	38.68	45	03.0	F0	CZ	14004	P -43 7296
29	9.9E	8.5Z	44 59.831	-0.0019	12	-42 27 51.88	-0.021	12	0.65	59.923	28	00.1	50.85	26	00.1	F5	CZ	14007	P -42 7190
30	10.2E	9.0Z	45 1.650	-0.0013	12	-45 52 5.83	-0.041	12	0.72	1.711	45	03.0	3.89	45	03.0	K2	CZ	14003	P -45 7647
31	10.3E	9.9Z	45 14.091	0.0006	12	-49 6 22.93	-0.007	12	0.71	14.065	45	03.5	22.61	45	03.5		CZ	14009	P -48 7975
32	9.8E	9.2M	45 16.086	-0.0004	12	-45 11 44.15	0.001	12	0.72	16.083	45	03.0	44.19	45	03.0	K5	CZ	14012	P -44 7805
33	7.8E	8.5Z	45 24.756	-0.0067	12	-48 36 41.04	-0.057	12	0.64	25.077	31	02.2	36.30	28	02.2	K0	CZ	14013	P -48 7979
34	10.0E	9.5M	45 24.951	-0.0003	12	-43 56 30.50	-0.013	12	0.64	24.965	28	01.1	29.89	26	01.1	A3	CZ	14020	P -43 7301
35	9.8E	9.0Z	45 25.556	0.0001	12	-47 4 1.07	-0.020	12	0.71	25.550	45	04.0	0.14	45	04.0	A0	CZ	14016	P -46 7717
36	10.3E	8.4Z	45 25.585	-0.0008	12	-48 23 50.99	0.019	12	0.71	25.624	45	03.5	51.86	45	03.5	K5	CZ	14014	P -48 7980
37	10.3E	9.9Z	45 27.950	0.0005	12	-48 25 43.77	-0.008	12	0.71	27.929	45	03.5	43.52	45	03.5	B9	CZ	14015	P -48 7981
38	9.3E	9.2Z	45 31.067	-0.0001	12	-49 22 28.10	0.000	12	0.66	31.073	36	03.2	28.11	36	03.2		CZ	14018	P -49 8610
39	10.0E	9.2Z	45 31.154	0.0014	12	-49 28 42.93	-0.009	12	0.66	31.089	36	03.2	42.51	36	03.2		CZ	14017	P -49 8609
40		9.0T	45 31.358	-0.0065	22	-47 11 20.20	-0.001	20	1.00	31.655	21	04.1	20.17	21	03.4	B8	GC	21236	C -4610394
41	8.3E	9.0Z	45 32.980	0.0023	12	-49 20 45.43	-0.010	12	0.66	32.854	36	03.2	44.60	36	03.2		CZ	14019	P -49 8611
42	8.5E	8.0Z	45 34.047	-0.0012	12	-46 52 41.39	-0.041	12	0.64	34.103	31	02.1	39.42	28	02.1	A2	CZ	14022	P -46 7720
43	10.3E	9.9Z	45 36.634	-0.0006	12	-43 44 53.67	-0.018	12	0.72	36.643	45	03.0	52.85	45	03.0	A3	CZ	14026	P -43 7303
44	9.7E	9.0Z	45 43.566	-0.0021	12	-45 34 1.79	-0.005	12	0.72	43.663	45	03.0	1.55	45	03.0	F8	CZ	14027	P -45 7656
45	9.8E	9.7Z	45 48.272	0.0004	12	-49 16 50.27	-0.013	12	0.72	48.255	45	03.0	49.67	45	03.0		CZ	14025	P -49 8618
46		7.6T	45 51.232	-0.0001	15	-41 38 21.82	-0.040	13	0.73	51.239	18	00.3	19.72	17	97.6	B9	GC	21244	C -4110325
47	9.8E	9.6Z	45 56.004	0.0005	12	-49 48 5.21	-0.012	12	0.72	55.988	45	03.0	4.65	45	03.0		CZ	14028	P -49 8619
48	9.9E	9.0Z	45 58.628	-0.0243	12	-49 48 36.81	-0.087	12	0.72	59.758	45	03.0	32.72	45	03.0		CZ	14030	P -49 8621
49	9.9E	9.6Z	46 2.377	-0.0007	12	-49 16 5.57	-0.012	12	0.72	2.411	45	03.0	5.01	45	03.0		CZ	14031	P -49 8622
50	9.8E	9.3M	46 6.725	-0.0023	12	-45 56 4.81	-0.017	12	0.65	6.836	31	01.5	3.98	28	01.5	B9	CZ	14035	P -45 7662
51	9.1E	9.0Z	15 46 11.696	0.0027	12	-49 1 44.43	-0.002	12	0.71	11.572	45	03.5	44.34	45	03.5		CZ	14033	P -48 7982
52	9.2E	8.5Z	46 12.143	0.0000	12	-46 19 7.06	-0.010	12	0.64	12.142	31	02.2	6.58	28	02.2	A2	CZ	14036	P -46 7728
53	9.7E	9.6Z	46 17.201	-0.0004	12	-46 51 45.13	-0.011	12	0.71	17.218	45	04.0	44.61	45	04.0	A0	CZ	14039	P -46 7729
54		6.0T	46 19.723	-0.0031	13	-48 45 37.86	-0.002	09	0.62	19.678	22	00.5	37.73	19	92.8	A2	GC	21252	C -4610349
55	9.4E	9.7Z	46 25.314	-0.0003	12	-46 57 42.59	-0.012	12	0.71	25.327	45	04.0	42.02	45	04.0	A2	CZ	14043	P -46 7730
56		9.6T	46 28.778	0.0011	20	-44 58 36.94	-0.020	20	0.91	28.728	24	05.5	36.05	24	05.1	A0	GC	21254	C -4410427
57	8.4E	8.0Z	46 34.484	0.0019	12	-42 29 53.77	-0.011	12	0.73	34.369	45	01.4	53.25	45	01.4	A5	CZ	14049	P -42 7200
58	11.2E	9.8M	46 35.225	0.0046	12	-42 29 49.88	-0.012	12	0.73	34.999	45	01.4	49.31	45	01.4	A5	CZ	14050	P -42 7200
59	9.9E	9.0Z	46 36.013	0.0021	12	-46 29 4.81	-0.049	12	0.71	35.916	45	04.0	2.54	45	04.0	G0	CZ	14046	P -46 7731
60	7.4E	7.0Z	46 39.257	-0.0020	12	-48 53 16.84	-0.071	12	0.71	39.351	45	03.5	13.55	45	03.5	K0	CZ	14045	P -48 8001
61	10.3E	9.6Z	46 40.104	-0.0046	12	-42 50 15.46	-0.080	12	0.73	40.329	45	01.4	11.56	45	01.4	G5	CZ	14052	P -42 7202
62		7.8T	46 42.488	-0.0012	18	-46 52 20.64	-0.017	13	0.82	42.544	22	02.2	19.77	19	97.5	K0	GC	21261	C -4610410
63		6.2T	46 45.563	0.0042	07	-45 15 0.79	-0.040	06	0.31	45.411	12	09.4	-59.10	12	07.3	A5	GC	21263K	C -4510251
64	8.8E	8.5Z	46 45.815	0.0023	12	-49 21 51.97	-0.018	12	0.65	45.705	31	01.8	51.11	28	01.8	F8	CZ	14047	P -49 8635
65	8.4E	8.5Z	46 48.557	0.0002	12	-41 45 12.24	-0.032	12	0.74	48.545	45	99.9	10.65	45	99.9	F5	CZ	14060	P -41 7356
66		9.6T	46 49.023	-0.0025	18	-44 58 11.88	-0.029	17	0.85	49.142	19	02.5	10.52	18	02.8	A0	GC	21264	C -4410430
67	10.0E	9.9Z	46 53.573	0.0008	12	-46 33 25.44	-0.014	12	0.71	53.534	45	04.0	24.78	45	04.0	A2	CZ	14057	P -46 7736
68	8.8E	8.5Z	46 55.643	-0.0003	12	-49 12 5.97	-0.006	12	0.72	55.658	45	03.0	5.69	45	03.0	A0	CZ	14054	P -48 8004
69	10.3E	9.3Z	46 58.117	-0.0046	12	-42 52 48.56	-0.053	12	0.73	58.342	45	01.4	45.97	45	01.4	F8	CZ	14063	P -42 7204
70	9.7E	9.5Z	47 0.201	0.0005	12	-49 2 40.98	-0.008	12	0.72	0.178	45	02.2	40.61	45	02.2		CZ	14059	P -48 8007
71	9.8E	9.9Z	47 2.197	-0.0002	12	-46 53 41.81	0.002	12	0.71	2.205	45	04.0	41.89	45	04.0	B8	CZ	14061	P -46 7738
72	8.9E	8.7Z	47 2.680	-0.0004	12	-44 33 0.96	0.007	12	0.72	2.687	45	03.0	1.30	45	03.0	A0	CZ	14064	P -44 7623
73	8.5E	8.2Z	47 5.363	0.0006	12	-44 28 49.49	-0.027	12	0.72	5.335	45	03.0	48.24	45	03.0	G5	CZ	14065	P -44 7626
74	10.1E	9.5Z	47 7.106	0.0003	12	-43 44 31.85	-0.010	12	0.72	7.092	45	03.0	31.40	45	03.0	A3	CZ	14067	P -43 7320
75	8.8E	8.0Z	47 9.131	-0.0017	12	-46 9 45.28	-0.034	12	0.71	9.209	45	04.0	43.71	45	04.0	F0	CZ	14066	P -45 7671
76	10.1E	9.8Z	47 9.228	0.0011	12	-49 18 54.51	-0.003	12	0.72	9.178	45	03.0	54.36	45	03.0		CZ	14062	P -49 8644
77		9.3T	47 12.551	0.0084	16	-44 54 49.28	-0.008	16	0.79	12.437	22	02.4	48.91	21	02.6	K2	GC	21271	C -4410437
78	9.7E	9.3M	47 12.953	0.0032	12	-40 9 13.24	-0.047	12	0.86	12.787	63	98.5	10.81	57	98.5	F8	CZ	14073	P -39 6828
79	8.4E	8.0Z	47 18.396	-0.0007	12	-47 18 34.10	-0.012	12	0.71	18.427	45	04.0	33.53	45	04.0	F8	CZ	14069	P -47 7423
80	9.8E	9.4Z	47 21.823	-0.0000	12	-48 49 14.81	-0.018	12	0.71	21.824	45	03.5	13.98	45	03.5	F5	CZ	14070	P -48 8012
81	10.2E	9.6Z	47 28.292	-0.0129	12	-49 46 24.73	-0.151	12	0.72	28.897	45	03.0	17.63	45	03.0		CZ	14072	P -49 8651
82	9.9E	9.0Z	47 30.197	0.0003	12	-46 16 8.49	-0.016	12	0.71	30.183	45	04.0	7.74	45	04.0	G5	CZ	14075	P -46 7741
83	10.5E	9.8Z	47 30.423	0.0012	12	-48 28 32.82	-0.004	12	0.71	30.370	45	03.5	32.62	45	03.5		CZ	14074	P -48 8015
84	10.1E	9.6Z	47 36.530	0.0001	12	-46 34 31.73	-0.014	12	0.71	36.524	45	04.0	31.07	45	04.0	A3	CZ	14079	P -46 7744
85	9.5E	9.0Z	47 36.019	-0.0006	12	-48 33 24.48	-0.013	12	0.66	36.047	36	03.5	23.86	36	03.5	A2	CZ	14076	P -48 8017
86	8.8E	8.5Z	47 38.234	0.0005	18	-46 19 38.62	-0.012	12	0.71	38.214	45	04.0	38.08	45	04.0	B8	CZ	14080	P -46 7745
87	10.2E	9.0Z	47 42.264	0.0004	12	-49 53 21.97	-0.003	12	0.72	42.243	45	03.0	21.82	45	03.0		CZ	14078	P -49 8656
88	10.2E	9.8Z	47 43.821	-0.0020	12	-40 28 2.23	-0.030	12	0.68	43.925	28	97.5	0.64	26	97.5	K0	CZ	14086	P -40 7111
89	9.8E	9.7Z	47 45.335	0.0007	12	-42 57 52.39	-0.005	12	0.73	45.303	45	01.4	52.13	45	01.4	A0	CZ	14084	P -42 7209
90	9.9E	9.5Z	47 47.046	0.0004	12	-48 6 40.24	-0.005	12	0.63	47.029	28	02.4	39.99	26	02.4	A0	CZ	14081	P -47 7428
91	8.8E	9.1Z	47 52.332	0.0014	12	-49 18 46.06	-0.017	12	0.72	52.267	45	03.0	45.26	45	03.0	A2	CZ	14082	P -49 8660
92	9.8E	9.0Z	47 54.728	0.0004	12	-41 11 52.87	-0.009	12	0.74	54.705	45	99.9	52.41	45	99.9	A0	CZ	14090	P -40 7113
93	8.8E	8.0Z	47 56.571	0.0011	12	-48 27 22.77	-0.037	12	0.66	56.522	36	03.5	21.03	36	03.5	G5	CZ	14085	P -48 8023
94	10.1E	9.0Z	47 57.661	-0.0022	12	-49 45 22.31	-0.024	12	0.72	57.762	45	03.0	21.17	45	03.0		CZ	14083	P -49 8661
95		8.1T	47 57.875	-0.0109	09	-46 54 37.40	-0.031	08	0.40	58.334	15	07.8	36.03	15	05.1	K0	GC	21284	C -4610430
96	9.2E	9.0Z	48 0.934	-0.0001	12	-44 27 14.91	-0.001	12	0.64	0.939	28	01.5	14.88	26	01.5	A0	CZ	14091	P -44 7637
97	8.0E	8.0Z	48 2.518	-0.0002	12	-42 9 2.98	-0.010	12	0.65	2.530	24	99.3	2.49	22	99.3	B9	CZ	14093	P -41 7365
98	9.6E	8.8Z	48 5.767	0.0007	12	-44 20 40.96	0.000	12	0.67	5.734	36	02.5	40.98	36	02.5	G5	CZ	14092	P -44 7641
99	9.8E	8.5Z	48 5.837	-0.0001	12	-47 13 53.64	-0.032	12	0.66	5.840	36	03.8	52.15	36	03.8	K0	CZ	14089	P -47 7434
00	11.1E	10.2M	48 6.776	-0.0020	12	-42 51 34.06	-0.035	12	0.69	6.876	36	00.7	32.31	36	00.7	A2	CZ	14095	P -42 7211

226300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 15H DM NUMBER
1	9.5E	9.0Z	15 48 8.301	-0.0000	12	-42 51 20.25	-0.006	12	0.65	8.303	26	99.9	19.93	24	99.9	A2	CZ	14096	P -42 7211
2	10.0E	8.5Z	48 15.170	-0.0003	12	-46 22 44.61	-0.019	12	0.66	15.183	36	03.5	43.72	36	03.5	KO	CZ	14097	P -46 7756
3	10.3E	9.0Z	48 19.286	0.0004	12	-48 16 3.41	-0.014	12	0.66	19.270	36	03.5	2.74	36	03.5		CZ	14098	P -48 8030
4	9.8E	9.1Z	48 19.616	0.0002	12	-45 9 40.12	0.008	12	0.67	19.605	36	02.9	40.48	36	02.9	K5	CZ	14099	P -44 7645
5		8.3T	48 25.056	0.0002	20	-44 56 22.87	0.014	20	0.90	25.047	24	05.6	23.49	22	05.8	A3	GC	21293	C -4410460
6		7.7T	48 30.483	-0.0037	17	-45 21 20.47	-0.007	12	0.75	30.654	24	03.2	20.13	21	97.9	B9	GC	21297	C*-4510278
7	8.8E	8.5Z	48 41.993	0.0011	12	-48 1 43.88	-0.007	12	0.66	41.945	36	03.8	43.34	36	03.8	B8	CZ	14104	P -47 7441
8		6.7T	48 42.648	0.0002	15	-45 8 6.39	0.012	10	0.64	42.636	22	00.7	7.08	19	94.0	KO	GC	21302	C -4411462
9	9.8E	9.5Z	48 43.438	-0.0012	12	-42 11 37.32	-0.009	12	0.69	43.495	36	00.7	37.09	36	00.7	AO	CZ	14108	P -41 7369
10		8.1T	48 43.527	-0.0071	13	-42 26 31.39	-0.021	08	0.46	43.808	15	10.7	30.48	15	06.7	GO	GC	21303	C -4210847
11	9.8E	9.0Z	48 44.153	0.0009	12	-49 28 1.58	-0.014	12	0.72	44.112	45	03.0	0.93	45	03.0	AO	CZ	14103	P -49 8680
12	9.9E	8.5Z	48 56.155	-0.0046	12	-49 5 24.30	-0.014	12	0.66	56.371	36	03.5	23.85	36	03.5	G5	CZ	14106	P -48 8036
13	9.9E	9.0Z	48 56.408	0.0007	12	-43 29 49.86	-0.010	12	0.65	56.375	28	00.1	49.34	26	00.1	KO	CZ	14114	P -43 7343
14	9.7E	9.8Z	48 56.681	0.0004	12	-46 57 40.43	-0.008	12	0.66	56.661	36	03.5	40.04	36	03.5	AO	CZ	14110	P -46 7764
15	9.8E	9.0Z	48 57.434	0.0015	12	-41 10 38.47	-0.009	12	0.75	57.356	45	98.9	38.00	45	98.9	F0	CZ	14117	P -40 7119
16	9.4E	9.5Z	48 57.778	-0.0002	12	-40 27 13.65	-0.031	12	0.86	57.787	63	98.5	12.04	57	98.5	AO	CZ	14120	P -40 7120
17	8.7E	8.9Z	49 4.501	-0.0007	12	-43 43 18.30	-0.030	12	0.73	4.534	45	01.5	16.87	45	01.5	A3	CZ	14121	P -43 7346
18	9.8E	8.2Z	49 5.625	0.0019	12	-48 40 46.86	-0.019	12	0.63	5.536	28	02.5	45.97	26	02.5	K2	CZ	14113	P -48 8040
19		8.7T	49 5.862	-0.0007	16	-44 59 53.51	0.004	15	0.77	5.895	22	03.0	53.71	22	01.3	KO	GC	21312	C -4410467
20	10.4E	9.7Z	49 10.891	-0.0000	12	-48 57 5.22	-0.008	12	0.66	10.892	36	03.5	4.85	36	03.5		CZ	14116	P -48 8041
21	9.3E	8.5Z	49 14.745	0.0005	12	-49 28 10.10	-0.018	12	0.72	14.723	45	03.0	9.26	45	03.0	AO	CZ	14118	P -49 8689
22	9.9E	9.0Z	49 22.662	0.0001	12	-44 1 5.77	-0.002	12	0.65	22.656	28	99.9	5.69	26	99.9	KO	CZ	14123	P -43 7350
23	9.0E	8.5Z	49 23.502	-0.0028	12	-45 39 7.01	-0.029	12	0.73	23.635	45	02.1	5.61	45	02.1	F8	CZ	14122	P -45 7699
24	9.1E	8.5Z	49 28.910	0.0018	12	-43 7 0.57	-0.022	12	0.74	28.823	45	00.4	59.46	45	00.4	F5	CZ	14125	P -42 7221
25	10.4E	9.0Z	49 33.956	-0.0012	12	-41 43 21.34	-0.057	12	0.67	34.016	28	98.2	18.40	26	98.2	G5	CZ	14128	P -41 7372
26	9.8E	8.0Z	49 35.300	-0.0017	12	-46 4 22.10	-0.048	12	0.66	35.383	31	00.8	19.73	28	00.8	G5	CZ	14126	P -45 7702
27	10.4E	10.0Z	49 45.225	-0.0011	12	-49 37 58.30	-0.019	12	0.72	45.275	45	03.0	57.41	45	03.0		CZ	14127	P -49 8701
28	9.7E	9.5Z	49 45.463	0.0002	12	-42 29 19.32	-0.016	12	0.74	45.451	45	00.4	18.53	45	00.4	B9	CZ	14134	P -42 7222
29	10.1E	9.7Z	49 47.064	-0.0011	12	-47 42 2.71	-0.018	12	0.71	47.117	45	03.5	1.85	45	03.5	B9	CZ	14129	P -47 7452
30	9.6E	9.0Z	49 51.027	-0.0017	12	-48 58 0.02	-0.028	12	0.72	51.109	45	03.0	58.71	45	03.0	F5	CZ	14131	P -48 8046
31	9.7E	9.4Z	49 51.845	-0.0004	12	-46 8 2.60	-0.018	12	0.73	51.863	45	02.1	1.72	45	02.1	AO	CZ	14133	P -45 7703
32	10.3E	9.9Z	49 52.194	0.0002	12	-49 37 52.90	-0.011	12	0.72	52.183	45	03.0	52.39	45	03.0		CZ	14130	P -49 8707
33	9.8E	9.0Z	49 53.072	-0.0003	12	-43 6 22.51	-0.035	12	0.74	53.088	45	00.4	20.75	45	00.4	AO	CZ	14138	P -42 7225
34	9.0E	9.0Z	49 53.366	-0.0012	12	-49 44 56.87	-0.007	12	0.72	53.421	45	03.0	56.53	45	03.0	AO	CZ	14132	P -49 8708
35	10.1E	9.5Z	49 54.857	0.0001	12	-43 0 8.66	-0.016	12	0.74	54.833	45	00.4	7.84	45	00.4		CZ	14139	P -42 7226
36	10.3E	9.9Z	49 55.617	-0.0006	12	-46 58 22.77	-0.013	12	0.72	55.643	45	03.0	22.15	45	03.0	F	CZ	14135	P -46 7773
37	9.8E	8.5Z	49 57.067	0.0015	12	-47 20 12.53	-0.013	12	0.65	56.993	31	01.8	11.89	28	01.8	F0	CZ	14136	P -47 7455
38	10.0E	9.8Z	50 1.278	0.0004	12	-44 56 55.63	-0.012	12	0.73	1.259	45	01.5	55.07	45	01.5		CZ	14140	P -44 7661
39	8.5E	8.0Z	50 2.348	-0.0045	12	-42 7 5.64	-0.078	12	0.75	2.580	45	98.9	1.67	45	98.9	G5	CZ	14141	P -41 7375
40	10.0E	9.5Z	50 13.274	-0.0015	12	-42 41 40.41	-0.010	12	0.74	13.350	45	00.4	39.90	45	00.4	B9	CZ	14147	P -42 7229
41	9.2E	8.5Z	50 14.007	0.0003	12	-44 7 53.99	0.005	12	0.73	13.992	45	01.5	54.25	45	01.5	G5	CZ	14146	P -43 7361
42	10.2E	9.9Z	50 15.006	-0.0008	12	-43 7 10.38	-0.023	12	0.74	15.047	45	00.4	9.22	45	00.4	AO	CZ	14148	P -42 7228
43	8.8E	9.0Z	50 15.522	-0.0005	12	-48 27 52.12	-0.011	12	0.65	15.548	31	01.8	51.57	28	01.8	B8	CZ	14142	P -48 8052
44	9.5E	9.0Z	50 21.279	-0.0000	12	-43 1 51.91	-0.013	12	0.66	21.281	28	99.4	51.23	26	99.4	A2	CZ	14149	P -42 7231
45	9.7E	9.3Z	50 43.068	-0.0003	12	-43 41 37.08	-0.003	12	0.73	43.082	45	01.5	36.95	45	01.5	A2	CZ	14153	P -43 7368
46		9.6T	50 44.371	-0.0005	18	-44 39 36.14	-0.014	20	0.89	44.394	24	04.4	35.52	24	05.1	F5	GC	21333	C -4410488
47		9.5T	50 45.843	0.0020	20	-44 54 15.34	0.021	22	0.99	45.751	21	04.0	16.30	21	04.5	A3	GC	21335	C -4410487
48	10.5E	9.3*	50 56.259	-0.0011	12	-41 34 31.88	-0.010	12	0.67	56.310	28	98.2	31.35	26	98.2	B9	CZ	14159	P -41 7380
49	9.7E	9.2Z	50 57.789	0.0005	12	-48 56 48.36	-0.007	12	0.72	57.766	45	03.0	48.03	45	03.0	AO	CZ	14155	P -48 8060
50	7.7E	8.0Z	50 59.057	0.0004	12	-40 58 39.80	-0.034	12	0.86	59.033	63	98.5	38.05	57	98.5	F0	CZ	14160	P -40 7128
51	8.3E	8.0Z	15 51 1.173	-0.0008	12	-41 1 35.27	0.007	12	0.86	1.213	63	98.5	35.62	57	98.5	G5	CZ	14162	P -40 7129
52	8.9E	8.5Z	51 13.919	0.0025	12	-41 2 11.34	-0.017	12	0.86	13.789	63	98.5	10.45	57	98.5	F0	CZ	14164	P -40 7133
53	7.9E	8.0Z	51 16.936	-0.0002	12	-49 15 21.71	-0.030	12	0.65	16.948	31	01.8	20.28	28	01.8	F5	CZ	14161	P -49 8736
54		9.0T	51 18.848	0.0000	17	-45 18 58.66	0.000	13	0.77	18.846	19	01.7	58.68	18	98.5	AO	GC	21349	C*-4510316
55	10.2E	9.3Z	51 29.981	-0.0015	12	-40 50 0.25	-0.029	12	0.86	30.057	63	98.5	58.74	57	98.5	A2	CZ	14168	P -40 7135
56	10.0E	9.9*	51 39.090	-0.0006	12	-48 23 40.86	-0.002	12	0.65	39.121	31	01.8	40.75	28	01.8	A2	CZ	14165	P -48 8070
57	9.9E	9.5Z	51 39.804	-0.0004	12	-47 23 57.16	-0.001	12	0.71	39.821	45	03.5	57.10	45	03.5	B9	CZ	14167	P -47 7476
58	7.9E	7.4Z	51 43.414	-0.0043	12	-49 49 53.06	-0.046	12	0.67	43.616	36	02.8	50.90	36	02.8	K2	CZ	14166	P -49 8746
59	8.3E	8.0Z	51 44.906	-0.0004	12	-40 28 0.69	-0.044	12	0.86	44.926	63	98.5	58.42	57	98.5	KO	CZ	14172	P -40 7136
60	10.2E	9.3*	51 45.226	0.0007	12	-45 40 27.26	-0.016	12	0.66	45.193	31	00.8	26.46	28	00.8		CZ	14170	P -45 7725
61		6.8T	51 50.191	-0.0068	17	-42 27 31.41	-0.045	12	0.75	50.604	24	03.3	29.15	22	99.8	F2	GC	21358	C -4210901
62		7.1T	51 52.681	-0.0008	14	-43 14 45.95	-0.003	10	0.67	52.722	18	99.6	45.80	17	95.6	A3	GC	21360	C -4310375
63		7.2T	51 53.344	-0.0010	18	-44 22 50.13	-0.071	14	0.84	53.392	19	01.3	46.45	18	98.2	B8	GC	21361	C -4410501
64		7.7T	51 53.962	0.0002	18	-42 22 28.95	-0.008	13	0.81	53.970	24	03.4	28.54	21	99.0	KO	GC	21362	C -4210903
65	7.8E	8.0Z	51 57.291	0.0002	12	-43 49 40.32	-0.004	12	0.73	57.280	45	01.5	40.10	45	01.5	B8	CZ	14178	P -43 7375
66	8.8E	8.0Z	51 58.329	-0.0004	12	-43 11 40.05	-0.007	12	0.73	58.350	45	01.5	39.69	45	01.5	F0	CZ	14179	P -42 7241
67	9.0E	8.5Z	51 59.453	-0.0019	12	-41 46 45.11	-0.022	12	0.67	59.548	28	98.3	43.99	26	98.3	+++	CZ	14181	P*-41 7384
68	9.5E	9.0Z	52 12.518	0.0015	12	-49 32 27.58	-0.002	12	0.72	12.446	45	03.0	27.49	45	03.0	A3	CZ	14180	P -49 8758
69		7.0T	52 13.529	0.0012	18	-44 23 13.34	-0.044	14	0.83	13.471	24	02.6	11.06	21	98.3	B8	GC	21366	C -4410503
70	8.7E	9.5Z	52 19.204	0.0022	12	-43 22 56.07	-0.013	12	0.73	19.098	45	01.5	55.42	45	01.5	F0	CZ	14185	P -43 7377
71	9.0E	9.0Z	52 20.451	0.0006	12	-46 27 58.40	-0.034	12	0.65	20.422	31	01.5	56.74	28	01.5	F8	CZ	14183	P -46 7785
72	9.5E	9.5Z	52 26.056	-0.0008	12	-40 30 5.99	-0.027	12	0.86	26.096	63	98.5	4.59	57	98.5	AO	CZ	14186	P -40 7138
73	8.5E	8.5Z	52 27.344	0.0005	12	-49 15 4.13	-0.008	12	0.72	27.322	45	03.0	3.76	45	03.0	B8	CZ	14184	P -49 8764
74	8.5E	8.0Z	52 33.635	-0.0003	12	-40 38 28.21	-0.075	12	0.86	33.649	63	98.5	24.33	57	98.5	KO	CZ	14188	P -40 7140
75	7.1E	7.5Z	52 42.470	-0.0038	12	-40 33 34.15	-0.032	12	0.68	42.671	28	97.7	32.47	26	97.7	A3	CZ	14193	P -40 7141
76		9.4T	52 45.854	0.0011	20	-44 34 2.75	-0.017	20	0.91	45.804	24	05.5	1.99	24	05.1	AO	GC	21378	C -4410512
77	10.0E	9.1Z	52 46.216	0.0014	12	-43 33 41.18	-0.002	12	0.73	46.150	45	01.5	41.07	45	01.5	KO	CZ	14192	P -43 7381
78	9.5E	9.5Z	52 46.630	-0.0005	12	-44 4 14.12	-0.032	12	0.73	46.653	45	01.5	12.58	45	01.5	F8	CZ	14191	P -43 7380
79	8.8E	9.0Z	52 50.868	0.0007	12	-42 20 5.53	0.014	12	0.66	50.830	28	99.3	6.26	26	99.3	B9	CZ	14195	P -42 7244
80		9.4T	52 51.283	-0.0015	20	-44 41 9.65	0.001	20	0.91	51.349	24	05.5	9.70	24	05.1	KO	GC	21379	C -4410513
81	8.5E	8.5Z	52 51.324	-0.0009	12	-49 29 57.76	-0.018	12	0.65	51.369	31	01.8	56.90	28	01.8	AO	CZ	14189	P -49 8767
82	9.0E	9.2H	52 56.004	0.0015	12	-40 23 9.10	-0.024	12	0.86	55.926	63	98.5	7.85	57	98.5	KO	CZ	14196	P -40 7143
83	8.9E	8.0Z	52 58.209	0.0000	12	-46 38 43.11	-0.018	12	0.63	58.207	28	02.0	42.23	26	02.0	B9	CZ	14194	P -46 7786
84	9.5E	8.5Z	53 8.643	-0.0017	12	-45 31 11.14	-0.023	12	0.64	8.724	28	01.3	10.01	28	01.3	F5	CZ	14201	P -45 7733
85	10.1E	9.2*	53 9.342	-0.0012	12	-44 44 2.73	-0.010	12	0.64	9.401	28	01.0	2.22	28	01.0	A2	CZ	14204	P -44 7688
86	8.8E	9.3H	53 10.819	0.0004	12	-40 19 3.29	-0.030	12	0.76	10.813	45	98.5	1.73	45	98.5	F0	CZ	14208	P -40 7146
87	9.0E	9.5Z	53 13.490	-0.0007	12	-43 46 54.49	-0.004	12	0.68	13.524	36	01.5	54.31	36	01.5	AO	CZ	14205	P -43 7387
88	10.0E	9.3Z	53 13.981	-0.0022	12	-43 19 57.51	0.011	12	0.64	14.092	26	00.4	58.03	24	00.4	G5	CZ	14206	P -43 7388
89	8.9E	8.0Z	53 16.296	-0.0011	12	-40 10 41.59	-0.027	12	0.69	16.348	36	00.8	40.28	36	00.8	GO	CZ	14212	P -41 7393
90	9.4E	8.5Z	53 19.347	-0.0003	12	-49 57 39.49	0.007	12	0.72	19.360	45	03.0	39.81	45	03.0	A3	CZ	14202	P -49 8782
91	10.4E	9.3Z	53 26.221	-0.0005	12	-47 15 51.25	-0.002	12	0.86	26.243	36	03.5	51.15	36	03.5	B8	CZ	14211	P -47 7496
92		6.5T	53 26.650	-0.0108	11	-48 0 59.68	-0.096	08	0.57	27.417	18	97.3	54.09	17	91.6	F2	GC	21392	C -4710456
93	9.2E	9.0Z	53 35.396	0.0003	12	-44 26 16.72	-0.005	12	0.68	35.382	36	01.8	16.50	36	01.8	B8	CZ	14215	P -44 7690
94	9.6E	8.5Z	53 35.668	0.0004	12	-40 55 5.66	-0.012	12	0.66	35.666	28	98.0	5.02	26	98.0	MA	CZ	14216	P -40 7149
95	10.2E	9.5Z	53 50.564	-0.0003	12	-47 29 25.58	0.002	12	0.63	50.577	28	02.2	25.66	26	02.2	B9	CZ	14219	P -47 7499
96	9.1E	8.5Z	53 50.977	-0.0001	12	-49 32 3.86	-0.005	12	0.72	50.981	45	03.0	3.62	45	03.0	B9	CZ	14216	P -49 8793
97	9.6E	9.0Z	53 56.233	0.0012	12	-40 47 2.08	-0.018	12	0.86	56.170	63	98.5	1.14	57	98.5	KO	CZ	14222	P -40 7152
98			53 57.026	0.0006	10	-40 6 35.70	-0.020	10	0.29	57.018	28	35.5	35.41	22	35.5	AO	CB	7885	C -3910246
99	8.7E	8.5Z	53 58.214	-0.0024	12	-41 39 12.13	-0.046	12	0.67	58.340	28	98.2	9.66	26	98.2	F2	CZ	14223	P -41 7396
00		9.5T	54 1.729	-0.0008	20	-44 57 24.00	-0.039	20	0.91	1.764	24	05.6	22.26	24	05.2	G5	GC	21403	C -4410522

226400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 15H DM NUMBER
1	9.5E	9.5Z	15 54 3.433	0.0012	12	-40 25 8.75	-0.034	12	0.86	3.371	63	98.5	6.99	57	98.5	A2	CZ	14224	P -40 7154
2	10.3E	9.5Z	54 4.449	-0.0042	12	-47 56 23.74	-0.152	12	0.66	4.646	36	03.5	16.66	36	03.5	G0	CZ	14221	P -47 7501
3		8.2T	54 15.604	-0.0224	26	-42 28 41.91	-0.202	26	1.20	16.641	19	03.8	32.45	19	03.2	K5	GC	21412	C -4210934
4	8.8E	9.0Z	54 25.905	0.0013	12	-40 51 14.60	-0.017	12	0.86	25.837	63	98.5	13.71	57	98.5	B3	CZ	14230D	P*-40 7155
5	10.0E	9.4Z	54 29.742	0.0021	12	-48 5 31.02	-0.019	12	0.66	29.647	36	03.5	30.12	36	03.5	G5	CZ	14227	P -47 7507
6	10.3E	9.2Z	54 30.656	0.0010	12	-43 49 13.01	-0.016	12	0.73	30.607	45	01.5	12.25	45	01.5	MC	CZ	14229	P -43 7399
7		9.6T	54 46.004	-0.0003	20	-45 9 56.12	-0.043	22	0.96	46.015	24	06.0	54.24	24	05.9	K5	GC	21421	C -4410530
8		7.0T	54 55.019	-0.0038	10	-43 56 15.17	-0.034	08	0.41	55.182	14	07.0	13.61	14	04.1	A2	GC	21426	C -4310423
9	8.1E	8.0Z	54 55.096	-0.0001	12	-41 31 0.63	-0.023	12	0.67	55.100	28	98.4	-59.44	26	98.4	B9	CZ	14236	P -41 7402
10		7.1T	54 56.138	0.0026	13	-44 22 59.80	-0.016	12	0.67	56.011	22	01.5	58.96	21	97.3	K2	GC	21429	C -4410533
11	10.3E	9.4Z	54 56.465	0.0011	12	-47 52 47.52	0.003	12	0.71	56.416	45	03.5	47.65	45	03.5	A0	CZ	14232	P -47 7508
12	10.0E	9.6Z	54 58.789	-0.0000	12	-48 52 13.52	-0.005	12	0.72	58.790	45	03.0	13.29	45	03.0	A0	CZ	14233	P -48 8106
13		7.4T	55 2.222	-0.0004	18	-44 28 30.97	-0.032	13	0.81	2.240	24	03.4	29.34	21	99.1	K2	GC	21431	C -4410535
14	9.4E	9.2Z	55 2.296	-0.0022	12	-44 26 17.98	-0.010	12	0.73	2.402	45	02.0	17.52	45	02.0		CZ	14239	P -44 7701
15		8.2T	55 4.787	-0.0018	17	-42 35 58.08	-0.010	13	0.78	4.876	18	01.3	57.57	17	98.2	A3	GC	21432	C -4210945
16	8.7E	8.5Z	55 12.255	-0.0002	12	-48 58 10.43	-0.016	12	0.65	12.266	31	01.8	9.66	28	01.8	B9	CZ	14240	P -48 8110
17	10.2E	9.3Z	55 18.054	0.0014	12	-45 29 46.52	-0.002	12	0.72	17.986	45	02.5	46.42	45	02.5	B8	CZ	14244	P -45 7748
18		8.3T	55 19.834	-0.0010	20	-44 48 53.08	-0.026	20	0.93	19.880	24	04.6	51.89	24	04.2	G5	GC	21438	C -4410538
19	9.0E	8.5Z	55 37.673	-0.0036	12	-49 13 26.52	-0.040	12	0.65	37.848	31	01.8	24.59	28	01.8	F2	CZ	14248	P -49 8829
20	9.8E	9.0Z	55 42.929	0.0010	12	-45 30 39.19	-0.019	12	0.72	42.880	45	02.5	38.27	45	02.5	F8	CZ	14254	P -45 7750
21	10.1E	8.5Z	55 47.690	-0.0005	12	-49 28 1.58	-0.004	12	0.72	47.715	45	03.0	1.40	45	03.0	K5	CZ	14252	P -49 8835
22	9.9E	10.0Z	55 48.281	-0.0006	12	-49 37 0.99	-0.009	12	0.72	48.308	45	03.0	0.57	45	03.0	A0	CZ	14253	P -49 8833
23	9.7E	8.5Z	55 57.977	-0.0004	12	-49 28 3.36	0.004	12	0.72	57.997	45	03.0	3.56	45	03.0	B5	CZ	14256	P -49 8838
24	10.0E	9.0Z	56 2.266	-0.0001	12	-43 25 51.25	-0.014	12	0.65	2.273	28	00.1	50.53	26	00.1	B9	CZ	14259	P -43 7409
25		5.1H	56 5.450	-0.0033	04	-41 36 9.45	-0.015	04	0.13	5.547	08	20.8	9.01	07	20.9	G5	F4	1418	C -4110478
26	10.4E	10.0Z	56 6.238	0.0014	12	-47 4 8.36	0.006	12	0.65	6.168	31	01.5	8.64	28	01.5	A0	CZ	14258	P -46 7800
27	8.3E	8.5Z	56 7.497	0.0004	12	-40 43 23.39	-0.017	12	0.86	7.475	63	98.5	22.50	57	98.5	A0	CZ	14262	P -40 7163
28	9.5E	9.5Z	56 17.171	0.0001	12	-44 48 14.59	-0.017	12	0.73	17.165	45	02.0	13.80	45	02.0	A0	CZ	14263	P -44 7713
29	7.9E	7.5Z	56 20.905	-0.0018	12	-46 9 26.90	-0.036	12	0.64	20.991	28	01.5	25.15	26	01.5	B9	CZ	14264	P -45 7754
30	10.1E	9.7Z	56 32.244	-0.0004	12	-44 24 59.06	-0.005	12	0.73	32.263	45	02.0	58.84	45	02.0	A0	CZ	14269	P -44 7716
31		6.3T	56 34.821	0.0018	22	-40 30 42.25	0.005	22	1.07	34.735	18	03.5	42.50	18	02.7	K0	GC	21465	C -4010113
32		9.1T	56 36.379	-0.0044	20	-44 51 8.00	-0.005	20	0.94	36.585	21	03.3	7.77	19	03.1	F2	GC	21468	C -4410554
33	8.6I		56 45.057	0.0008	18	-44 59 9.28	-0.003	18	0.86	45.021	24	05.3	9.15	24	04.6	F0	GC	21475X	C*-4410556
34		7.7T	56 51.531	-0.0143	18	-45 18 36.76	-0.125	18	0.87	52.192	21	03.6	30.97	21	03.5	G5	GC	21480	C -4510373
35		7.6T	56 52.901	-0.0003	16	-43 40 54.50	0.008	13	0.76	52.915	18	02.1	54.91	21	98.3	K0	GC	21481K	C -4310452
36	9.8E	9.5Z	56 59.992	-0.0008	12	-42 40 49.87	-0.005	12	0.66	+ 0.034	28	99.2	49.60	26	99.2	A0	CZ	14279	P -42 7260
37	8.6E	8.0Z	57 1.142	0.0007	12	-45 47 17.36	0.014	12	0.65	1.108	31	01.2	18.63	28	01.2	F8	CZ	14276	P -45 7758
38		8.7T	57 6.219	-0.0017	26	-47 44 57.93	-0.091	26	1.18	6.294	21	04.7	53.82	21	04.7	G5	GC	21485	C -4710489
39	8.8E	8.0Z	57 11.011	-0.0001	12	-48 26 12.43	-0.006	12	0.72	11.018	45	03.0	12.13	45	03.0	B9	CZ	14278	P -48 8123
40	9.6E	9.5Z	57 18.679	0.0010	12	-40 52 55.55	-0.005	12	0.86	18.626	63	98.5	55.28	57	98.5	A0	CZ	14281	P -40 7167
41	9.8E	9.5H	57 19.864	-0.0009	12	-45 8 10.01	-0.046	12	0.83	19.908	63	02.5	7.81	57	02.5	F8	CZ	14280	P -44 7723
42		6.5T	57 30.788	0.0012	14	-40 17 44.91	0.034	11	0.68	30.728	18	01.4	46.77	18	95.9	A0	GC	21494K	C -4010120
43	10.5E	10.2H	57 30.939	-0.0013	12	-40 17 51.95	0.069	12	0.86	31.005	63	98.5	55.49	57	98.5	A0	CZ	14285D	P -40 7168
44	7.8E	7.5Z	57 35.631	-0.0006	12	-46 23 51.08	-0.027	12	0.72	35.658	45	03.0	49.81	45	03.0	F8	CZ	14282D	P*-46 7808
45		8.8T	57 36.689	0.0117	20	-45 13 17.76	-0.048	20	0.91	36.166	24	05.5	15.62	24	05.1	B9	GC	21498	C*-4510378
46	9.5E	8.7Z	57 52.757	0.0011	12	-46 40 58.50	-0.009	12	0.66	52.705	36	03.5	58.07	36	03.5	A0	CZ	14287	P -46 7809
47	9.8E	9.0Z	57 53.292	0.0011	12	-44 57 25.10	-0.022	12	0.68	53.239	36	02.1	24.02	36	02.1	B9	CZ	14288	P -44 7726
48	11.2E	10.5Z	58 8.275	0.0002	12	-46 7 45.48	-0.013	12	0.66	8.265	36	03.2	44.86	36	03.2	A0	CZ	14292	P -45 7763
49	10.3E	9.0Z	58 8.782	-0.0031	12	-44 1 1.89	-0.071	12	0.64	8.935	26	00.4	-58.40	24	00.4	K2	CZ	14294	P -43 7415
50	9.5E	9.3Z	58 9.091	-0.0001	12	-46 7 40.76	-0.001	12	0.66	9.095	36	03.2	40.71	36	03.2	A0	CZ	14293	P -45 7763
51	8.1E	8.5Z	15 58 14.202	0.0002	12	-49 49 22.59	-0.014	12	0.64	14.191	31	02.2	21.92	28	02.2	B5	CZ	14290	P -49 8878
52	9.7E	9.6Z	58 15.709	-0.0002	12	-42 57 19.58	-0.002	12	0.65	15.720	36	04.1	19.47	36	04.1	A3	CZ	14296	P -42 7264
53	9.9E	9.5Z	58 19.444	-0.0022	12	-40 23 49.63	-0.040	12	0.86	19.557	63	98.5	47.56	57	98.5	F8	CZ	14299	P -40 7177
54	9.6E	8.7Z	58 20.685	-0.0143	12	-44 17 37.37	-0.118	12	0.68	21.370	36	02.1	31.73	36	02.1	G5	CZ	14297	P -44 7729
55	8.7E	8.5Z	58 22.978	-0.0021	12	-46 45 51.45	-0.026	12	0.63	23.077	28	02.2	50.19	26	02.2	G0	CZ	14295	P -46 7812
56	10.1E	9.5Z	58 37.948	-0.0005	12	-49 49 49.15	-0.009	12	0.71	37.970	45	03.5	48.73	45	03.5	B9	CZ	14298	P -49 8882
57		7.2T	58 43.305	0.0004	10	-42 33 32.75	-0.170	08	0.41	43.289	15	08.6	25.04	14	04.6	F5	GC	21518	C -4210980
58		9.3T	58 50.774	-0.0136	26	-44 32 28.21	-0.189	26	1.18	51.392	21	04.6	19.63	21	04.6	G0	GC	21522	C -4410577
59	9.8E	9.5Z	58 53.509	0.0006	12	-40 35 3.64	-0.019	12	0.86	53.482	63	98.5	2.65	57	98.5	B9	CZ	14303	P -40 7178
60	10.3E	8.9Z	59 12.417	0.0006	12	-42 2 14.28	-0.018	12	0.63	12.390	28	02.2	13.43	26	02.2	A3	CZ	14308	P -41 7419
61	9.4E	9.0Z	59 16.103	0.0004	12	-45 44 19.30	-0.006	12	0.65	16.084	31	01.8	19.00	28	01.8	A0	CZ	14307	P -45 7770
62	9.2E	8.5Z	59 16.904	-0.0126	12	-49 52 24.28	-0.095	12	0.71	17.487	45	03.5	19.86	45	03.5	K0	CZ	14305	P -49 8890
63	9.0E	7.5Z	59 18.442	-0.0028	12	-42 22 4.52	-0.080	12	0.68	18.566	45	06.6	1.05	45	06.6	K0	CZ	14311	P -42 7268
64		7.6T	59 27.476	-0.0004	16	-43 18 11.65	-0.016	13	0.75	27.497	17	00.7	10.82	17	97.8	A0	GC	21536	C -4310485
65	9.3E	9.0Z	59 29.528	0.0001	12	-48 35 5.39	-0.008	12	0.63	29.524	28	02.2	4.99	26	02.2	B5	CZ	14309	P -48 8139
66		4.7T	59 31.678	0.0031	08	-49 5 31.58	0.004	06	0.31	31.557	14	10.5	31.75	12	04.0	G5	GC	21539	C*-4810512
67	10.2E	9.1Z	16 0 15.759	-0.0006	12	-43 47 34.36	-0.026	12	0.73	15.788	45	01.9	33.13	45	01.9	K0	CZ	14316	P -43 7431
68	8.3E	8.0Z	0 23.577	-0.0040	12	-42 21 18.21	-0.082	12	0.68	23.749	45	06.6	14.66	45	06.6	F5	CZ	14319	P -42 7273
69	9.4E	9.0Z	0 25.043	-0.0006	12	-47 20 20.93	-0.007	12	0.65	25.071	31	01.8	20.59	28	01.8	B3	CZ	14317	P -47 7528
70	9.7E	9.0Z	0 29.299	-0.0021	12	-43 16 16.44	-0.029	12	0.73	29.402	45	01.9	15.02	45	01.9	A0	CZ	14320	P -43 7434
71	9.3E	8.2Z	0 34.073	-0.0039	12	-43 8 38.89	-0.076	12	0.73	34.262	45	01.9	35.21	45	01.9	A3	CZ	14323	P -42 7274
72	8.4E	8.0Z	0 42.484	0.0012	12	-41 34 27.39	-0.011	12	0.63	42.425	28	02.2	26.85	26	02.2	A2	CZ	14327	P -41 7413
73	9.9E	9.7Z	0 47.563	0.0006	12	-49 53 7.28	-0.008	12	0.71	47.533	45	03.5	6.91	45	03.5		CZ	14322	P -49 8910
74	9.7E	9.7H	0 49.106	0.0023	12	-45 21 9.85	0.002	12	0.71	48.998	45	03.5	9.93	45	03.5	A5	CZ	14326	P -45 7778
75	9.9E	10.0Z	0 50.976	0.0001	12	-49 49 34.15	-0.010	12	0.71	50.970	45	03.5	33.69	45	03.5		CZ	14325	P -49 8912
76	7.6E	8.0Z	0 51.650	-0.0007	12	-40 42 28.35	-0.045	12	0.86	51.688	63	98.5	26.03	57	98.5	A2	CZ	14330	P -40 7191
77	10.0E	9.0Z	1 0.421	-0.0005	12	-48 39 42.62	-0.024	12	0.72	0.446	45	03.0	41.50	45	03.0	A0	CZ	14328	P -48 8149
78	9.1E	9.0Z	1 4.257	0.0007	12	-48 41 13.37	-0.013	12	0.72	4.225	45	03.0	12.76	45	03.0	B8	CZ	14329	P -48 8150
79	9.6E	8.5Z	1 9.666	-0.0027	12	-43 12 13.35	-0.028	12	0.73	9.797	45	01.9	11.98	45	01.9	F5	CZ	14334	P -42 7277
80	11.6E	10.2Z	1 10.464	-0.0005	12	-43 12 12.73	-0.012	12	0.73	10.489	45	01.9	12.14	45	01.9	F5	CZ	14335	P -42 7277
81	9.8E	9.2Z	1 12.992	0.0005	12	-46 16 48.97	-0.004	12	0.71	12.968	45	04.0	48.78	45	04.0	B8	CZ	14332	P -46 7826
82		7.0T	1 13.024	0.0022	16	-49 52 41.63	-0.010	11	0.70	12.917	17	01.5	41.07	18	96.4	K0	GC	21579	C -4910299
83	9.0E	8.5Z	1 16.162	0.0008	12	-46 23 36.96	-0.023	12	0.71	16.124	45	04.0	35.89	45	04.0	F0	CZ	14333	P -46 7828
84	10.2E	9.6Z	1 19.525	-0.0014	12	-42 44 8.67	-0.009	12	0.62	19.592	28	03.2	8.23	26	03.2	A2	CZ	14339	P -42 7278
85			1 22.456	-0.0004	12	-46 9 27.41	0.006	12	0.64	22.474	31	02.1	27.68	28	02.1	B5	CZ	14338Y	P -45 7780
86	8.7E	9.0H	1 24.822	-0.0004	12	-40 16 2.24	-0.023	12	0.68	24.842	28	97.9	1.03	26	97.9	A2	CZ	14341D	P*-40 7194
87	8.7E	8.5Z	1 25.391	-0.0055	12	-48 41 26.92	-0.113	12	0.72	25.651	45	03.0	21.61	45	03.0	G0	CZ	14336	P -48 8154
88	8.4E	8.5Z	1 26.949	-0.0006	12	-40 36 6.85	-0.018	12	0.86	26.917	63	98.5	5.91	57	98.5	F8	CZ	14342	P -40 7195
89	9.2E	9.0Z	1 30.564	-0.0005	12	-47 57 11.91	-0.026	12	0.65	30.590	31	01.8	10.64	28	01.8	F8	CZ	14340	P -47 7532
90	10.6E	9.0Z	1 39.333	-0.0006	12	-43 31 42.11	-0.009	12	0.65	39.364	28	00.4	41.64	26	00.4	K2	CZ	14345	P -43 7440
91	9.3E	9.5H	1 45.807	0.0003	12	-45 22 26.04	-0.020	12	0.65	45.791	31	01.8	25.07	28	01.8	B9	CZ	14348	P -45 7783
92	8.9E	8.0Z	1 48.659	-0.0028	12	-49 39 48.25	0.030	12	0.71	48.787	45	03.5	49.64	45	03.5	F8	CZ	14344	P -49 8922
93	10.0E	9.4*	1 51.658	-0.0004	12	-49 18 0.29	-0.012	12	0.64	51.679	31	02.2	-59.72	28	02.2		CZ	14346	P -49 8924
94	11.8E	10.5H	1 52.276	0.0017	12	-49 17 55.26	-0.006	12	0.71	52.198	45	03.5	54.98	45	03.5		CZ	14347	P -49 8924
95	7.5E	8.0Z	2 15.034	-0.0010	12	-45 56 58.20	-0.003	12	0.65	15.082	31	01.8	58.06	28	01.8	B9	CZ	14350	P -45 7785
96	8.8E	8.5Z	2 17.968	0.0001	12	-49 33 8.99	-0.037	12	0.71	17.963	45	03.5	7.28	45	03.5	A0	CZ	14349	P -49 8928
97	9.9E	9.0Z	2 26.235	-0.0014	12	-48 42 32.80	-0.062	12	0.72	26.302	45	03.0	29.89	45	03.0	G5	CZ	14351	P -48 8164
98	9.6E	8.5Z	2 28.468	-0.0016	12	-40 35 57.82	-0.034	12	0.68	28.551	28	97.5	56.03	26	97.5	K5	CZ	14354	P -40 7254
99	9.7E	9.5Z	2 40.261	0.0001	12	-42 0 33.39	-0.018	12	0.63	40.259	28	02.2	32.55	26	02.2	A0	CZ	14355	P -41 7419
00		4.8H	2 56.883	0.0002	03	-45 2 21.79	0.027	02	0.10	56.876	06	18.3	22.66	05	17.2	A3P	F4	596	C -4410625

226500 — EPOCH 1950 — ORIGINAL EPOCH — -40° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.6E	8.5Z	16 2 59.885	0.0035	12	-49 47 3.87	-0.002	12	0.71	59.721	45	03.5	3.77	45	03.5	F8	CZ	14356	P -49 8935
2	10.0E	9.3Z	3 3.788	-0.0004	12	-44 23 1.15	-0.010	12	0.64	3.807	28	01.4	0.68	26	01.4	F2	CZ	14360	P -44 7760
3		7.2T	3 7.302	-0.0015	16	-40 18 56.64	0.003	11	0.69	7.371	21	03.0	56.82	19	97.7	G0	GC	21621	C -4010189
4	8.1E	8.0Z	3 10.172	0.0039	12	-46 14 40.89	-0.021	12	0.66	9.990	36	03.5	39.90	36	03.5	F8	CZ	14361	P -46 7837
5	8.6E	8.2Z	3 11.241	0.0003	12	-48 38 56.68	-0.011	12	0.65	11.228	31	01.8	56.15	28	01.8	B8	CZ	14358	P -48 8168
6	10.2E	8.5Z	3 11.413	0.0005	12	-43 2 14.30	0.030	12	0.61	11.391	26	03.0	15.69	24	03.0	K0	CZ	14363	P -42 7284
7	9.7E	9.0Z	3 12.102	0.0004	12	-48 18 24.42	0.014	12	0.72	12.086	45	03.0	25.06	45	03.0	G0	CZ	14359	P -48 8169
8	9.8E	8.5Z	3 17.109	-0.0002	12	-46 56 27.15	-0.007	12	0.65	17.117	28	02.2	26.81	26	02.2	A0	CZ	14362	P -46 7838
9		9.4T	3 18.011	0.0006	18	-44 45 5.54	-0.014	17	0.84	17.974	24	04.9	4.90	24	03.8	F8	GC	21624	C -4410631
10	8.6E	8.5Z	3 20.327	0.0004	12	-40 29 41.19	-0.018	12	0.76	20.306	45	98.5	40.25	45	98.5	A2	CZ	14367	P -40 7209
11	9.8E	9.6Z	3 28.258	-0.0002	12	-40 33 58.03	-0.009	12	0.76	28.267	45	98.5	57.55	45	98.5	B8	CZ	14368	P -40 7210
12	9.5E	8.7Z	3 39.973	-0.0018	12	-45 22 52.64	-0.036	12	0.66	40.056	36	03.2	50.94	36	03.2	A0	CZ	14370	P -45 7796
13		7.3T	3 40.275	0.0009	13	-45 12 46.27	-0.023	11	0.68	40.226	21	98.5	45.02	19	94.7	K0	GC	21631	C -4510450
14		6.9T	3 45.200	0.0042	09	-48 17 20.04	-0.017	07	0.35	45.034	12	10.9	19.35	12	08.7	A0	GC	21635	C -4810554
15	7.8E	7.5Z	3 45.263	-0.0005	12	-43 9 18.12	-0.028	12	0.68	45.289	36	01.8	16.75	36	01.8	A2	CZ	14373	P -42 7285
16	9.2E	9.0Z	3 46.581	-0.0020	12	-44 8 38.41	-0.008	12	0.67	46.676	36	02.4	38.04	36	02.4	F2	CZ	14372	P -43 7448
17		7.3T	3 47.089	0.0022	17	-41 56 8.14	0.002	13	0.78	46.979	18	01.2	8.24	17	98.4	K2	GC	21636	C -4110526
18	9.6E	9.3Z	3 54.027	-0.0013	12	-40 38 51.02	-0.021	12	0.68	54.094	28	97.5	29.91	26	97.5	A5	CZ	14376	P -40 7211
19	9.8E	9.0Z	4 1.176	-0.0002	12	-43 7 6.94	-0.010	12	0.68	1.186	45	06.6	6.53	45	06.6	A3	CZ	14378	P -42 7287
20	9.9E	8.0Z	4 6.789	0.0004	12	-47 50 0.71	-0.038	12	0.63	6.769	28	01.9	58.86	26	01.9	K5	CZ	14375	P -47 7543
21		7.2T	4 8.520	-0.0016	10	-46 23 31.65	-0.064	08	0.43	8.586	15	08.6	28.87	15	06.3	A0	GC	21652	C -4610567
22	9.0E	8.5Z	4 8.991	-0.0010	12	-42 20 33.20	-0.040	12	0.62	9.036	28	03.5	31.34	26	03.5	A0	CZ	14380	P -42 7288
23	10.0E	9.0Z	4 24.214	-0.0008	12	-47 53 34.59	-0.011	12	0.67	24.250	36	03.1	34.05	36	03.1	B3	CZ	14382	P -47 7546
24	8.0E	8.0Z	4 33.905	0.0011	12	-43 41 46.46	-0.003	12	0.65	33.851	28	00.4	46.33	26	00.4	B9	CZ	14383	P -43 7452
25	9.0E	9.0Z	4 37.458	-0.0003	12	-40 29 59.74	-0.009	12	0.68	37.473	28	97.9	59.25	26	97.9	A2	CZ	14386	P -40 7218
26	9.4E	9.0Z	4 39.796	-0.0004	12	-44 44 5.19	0.000	12	0.72	39.815	45	02.4	5.20	45	02.4	B9	CZ	14384	P -44 7776
27	9.3E	8.5Z	4 41.802	0.0011	12	-42 7 34.64	0.010	12	0.76	41.758	63	11.6	35.03	57	11.6	K0	CZ	14387	P -41 7424
28		8.4T	4 42.823	-0.0003	18	-45 13 59.23	-0.032	20	0.91	42.835	21	03.2	57.75	19	03.0	A0	GC	21664	C*-4510463
29	10.1E	9.0Z	4 45.325	0.0009	12	-40 49 0.51	-0.018	12	0.86	45.278	63	98.5	59.56	57	98.5	F8	CZ	14390	P -40 7219
30	9.6E	9.0Z	4 50.178	-0.0006	12	-43 27 36.15	-0.015	12	0.73	50.209	45	01.9	35.45	45	01.9	A5	CZ	14391	P -43 7454
31	9.1E	8.5Z	4 59.434	0.0015	12	-48 26 45.63	-0.035	12	0.72	59.363	45	03.0	43.96	45	03.0	G5	CZ	14389	P -48 8182
32	9.4E	9.0Z	5 4.432	0.0020	12	-44 9 28.23	-0.020	12	0.64	4.334	28	01.1	29.22	26	01.1	F5	CZ	14393	P -43 7458
33	10.6E	9.0Z	5 4.522	-0.0010	12	-41 22 16.50	-0.013	12	0.63	4.569	28	02.2	15.86	26	02.2	K0	CZ	14394	P -41 7427
34	9.3E	9.0Z	5 22.724	-0.0004	12	-48 8 20.47	-0.017	12	0.72	22.742	45	03.0	19.66	45	03.0	A0	CZ	14396	P -47 7550
35	9.9E	9.5Z	5 24.066	-0.0010	12	-49 43 11.13	-0.011	12	0.71	24.112	45	03.5	10.61	45	03.5	A0	CZ	14395	P -49 8956
36		8.8T	5 31.693	-0.0025	20	-45 21 57.33	0.039	20	0.91	31.802	24	05.5	59.10	24	05.1	F8	GC	21686	C -4510473
37	10.1E	9.2Z	5 32.920	-0.0026	12	-48 28 31.88	-0.054	12	0.72	33.050	45	03.0	29.33	45	03.0	F2	CZ	14398	P -48 8184
38		9.4T	5 38.512	0.0016	18	-44 36 7.73	-0.003	17	0.84	38.439	24	04.9	7.60	24	04.0	K0	GC	21689	C -4410661
39		9.6T	5 46.311	-0.0020	20	-44 50 28.87	-0.015	20	0.91	46.400	24	05.6	28.20	24	05.2	B9	GC	21695	C -4410663
40	9.5E	8.0Z	6 2.754	-0.0004	12	-43 31 23.78	0.007	12	0.73	2.775	45	01.9	24.14	45	01.9	K0	CZ	14407	P -43 7460
41	9.9E	8.5Z	6 7.033	0.0004	12	-49 29 0.39	0.010	12	0.71	7.012	45	03.5	0.85	45	03.5	K5	CZ	14405	P -49 8964
42		8.9T	6 16.208	0.0018	18	-44 40 33.45	-0.010	20	0.91	16.123	21	03.2	32.98	19	03.0	B8	GC	21708	C -4410674
43	9.8E	9.3Z	6 17.721	0.0031	12	-46 47 39.79	-0.089	12	0.71	17.576	45	03.4	35.63	45	03.4	G0	CZ	14411	P -46 7852
44	8.9E	8.5Z	6 18.652	0.0000	12	-48 26 37.87	-0.007	12	0.72	18.650	45	03.0	37.52	45	03.0	G	CZ	14409	P -48 8189
45			6 19.661	-0.0001	12	-49 6 21.47	-0.001	12	0.72	19.664	45	03.0	21.42	45	03.0	MB	CZ	14408Y	P -48 8187
46	10.1E	9.5Z	6 25.111	0.0006	12	-49 7 40.38	-0.013	12	0.72	25.080	45	03.0	39.77	45	03.0	B9	CZ	14412	P -48 8190
47	10.5E	9.0Z	6 25.228	-0.0010	12	-42 41 23.12	-0.007	12	0.68	25.273	45	06.6	22.84	45	06.6	A2	CZ	14415	P -42 7301
48	11.6E	9.8H	6 25.598	-0.0009	12	-42 41 13.79	-0.009	12	0.68	25.639	45	06.6	13.41	45	06.6	A2	CZ	14416	P -42 7301
49	8.6E	8.7Z	6 25.944	-0.0003	12	-41 1 37.32	-0.024	12	0.86	25.958	63	98.5	36.07	57	98.5	B8	CZ	14420	P -40 7230
50	9.3E	8.5Z	6 35.991	-0.0003	12	-42 40 24.08	-0.007	12	0.68	36.005	45	06.6	23.75	45	06.6	B9	CZ	14423	P -42 7303
51	10.6E	9.8*	16 6 37.127	0.0003	12	-45 58 13.62	-0.014	12	0.65	37.114	31	01.8	12.93	28	01.8	B9	CZ	14422	P -45 7811
52	9.0E	8.8Z	6 37.314	-0.0039	12	-46 23 36.54	-0.035	12	0.65	37.502	31	01.7	34.83	28	01.7	F0	CZ	14421	P -46 7855
53		9.1T	6 38.990	-0.0079	26	-47 46 58.47	-0.101	26	1.18	39.346	21	04.7	53.91	21	04.7	G0	GC	21721	C -4710573
54		9.4T	6 40.751	-0.0009	20	-44 25 56.38	-0.039	20	0.91	40.790	24	05.5	54.63	24	05.1	G5	GC	21723	C -4410679
55	8.8E	8.5Z	6 48.079	-0.0003	12	-42 41 7.49	-0.010	12	0.68	48.094	45	06.6	7.08	45	06.6	B9	CZ	14425	P -42 7304
56	9.2E	8.0Z	6 48.831	0.0008	12	-43 31 34.99	-0.017	12	0.65	48.793	28	00.1	34.11	26	00.1	G5	CZ	14424	P -43 7463
57	9.3E	9.5Z	7 4.212	0.0006	12	-47 17 25.19	-0.024	12	0.65	4.182	31	01.4	24.01	28	01.4	A0	CZ	14426	P -47 7556
58	8.7E	8.0Z	7 8.051	0.0007	12	-48 39 54.97	-0.010	12	0.72	8.016	45	03.0	54.50	45	03.0	B	CZ	14427	P -48 8196
59	9.4E	8.5Z	7 25.554	0.0031	12	-48 50 4.18	-0.074	12	0.65	25.307	31	01.8	0.61	28	01.8	K0	CZ	14429	P -48 8201
60		9.3T	7 31.509	-0.0028	22	-40 18 26.04	-0.015	22	1.06	31.637	18	03.8	25.36	18	03.2	B8	GC	21742	C*-4010248
61	9.9E	9.5Z	7 41.209	0.0000	12	-47 1 43.45	-0.021	12	0.65	41.209	31	01.7	42.42	28	01.7	B8	CZ	14433	P -46 7859
62		6.7T	7 45.734	-0.0091	11	-45 12 11.97	-0.052	08	0.57	46.214	22	97.0	8.85	19	89.6	F5	GC	21745	C -4510500
63	8.9E	8.5Z	7 46.938	0.0001	12	-48 51 12.54	-0.009	12	0.66	46.932	36	03.5	12.12	36	03.5	A2	CZ	14434	P -48 8206
64		6.2T	7 52.622	-0.0092	07	-40 59 20.60	-0.128	06	0.29	53.010	09	07.6	14.97	09	05.9	F0	GC	21748	C -4010251
65	9.6E	9.0Z	8 9.301	0.0003	12	-46 58 6.59	-0.044	12	0.67	9.286	36	03.1	4.51	36	03.1	F8	CZ	14438	P -46 7861
66	10.4E	9.0Z	8 18.897	-0.0018	12	-42 41 16.89	-0.024	12	0.61	18.984	26	02.9	15.78	24	02.9	F5	CZ	14443	P -42 7313
67	9.4E	8.5Z	8 44.346	-0.0002	12	-49 12 38.36	-0.031	12	0.64	44.353	31	02.2	36.88	28	02.2	K0	CZ	14444	P -49 9005
68	8.1E	8.0Z	8 49.098	-0.0006	12	-42 14 48.43	-0.035	12	0.65	49.126	28	99.9	46.68	26	99.9	F0	CZ	14446	P -42 7315
69	9.3E	9.0Z	8 55.495	0.0003	12	-43 31 14.70	-0.015	12	0.68	55.482	36	01.8	14.00	36	01.8	B9	CZ	144470	P -43 7476
70	9.2E	9.0Z	8 56.427	0.0018	12	-43 31 11.69	-0.016	12	0.68	56.343	36	01.8	10.94	36	01.8	B9	CZ	144480	P -43 7476
71	11.1E	9.0Z	8 58.078	0.0006	12	-44 40 38.65	-0.007	12	0.64	58.049	28	01.2	38.32	26	01.2		CZ	14449	P -44 7805
72	9.7E	9.2Z	9 1.495	-0.0011	12	-41 12 5.28	-0.031	12	0.74	1.548	45	00.1	3.72	45	00.1	A3	CZ	14452	P -41 7434
73	10.7E	9.5Z	9 13.107	-0.0022	12	-45 54 6.66	-0.019	12	0.63	13.214	28	02.0	5.73	26	02.0	G0	CZ	14455	P -45 7823
74	7.6E	8.0Z	9 24.850	0.0007	12	-48 37 41.90	-0.016	12	0.63	24.819	28	02.5	41.12	26	02.5	A0	CZ	14456	P -48 8218
75	9.3E	8.5Z	9 26.347	0.0061	12	-42 39 31.69	0.085	12	0.73	26.054	45	01.6	35.78	45	01.6	F8	CZ	14462	P -42 7317
76		7.1T	9 27.854	-0.0006	09	-49 45 25.97	-0.022	07	0.39	27.888	15	06.6	24.95	14	02.5	A0	GC	21785	C -4910402
77	9.7E	9.2Z	9 36.517	0.0003	12	-49 25 45.40	-0.012	12	0.66	36.501	36	03.5	44.85	36	03.5	G5	CZ	14461	P -49 9020
78		8.6T	9 37.352	0.0003	18	-43 41 2.08	-0.042	18	0.87	37.338	24	04.4	0.15	24	03.7	F5	GC	21788	C -4510519
79	10.7E	9.0Z	9 37.943	-0.0004	12	-46 39 57.41	-0.020	12	0.65	37.963	31	01.1	56.41	28	01.1	K0	CZ	14463	P -46 7869
80		7.6T	9 43.461	0.0035	18	-43 56 49.04	-0.033	17	0.87	43.292	19	01.9	47.42	18	01.0	F0	GC	21791	C -4310616
81	10.0E	9.0Z	9 45.898	0.0001	12	-48 46 45.39	-0.002	12	0.71	45.891	45	03.5	45.29	45	03.5	A0	CZ	14465	P -48 8224
82	8.6E	8.5Z	9 55.663	0.0005	12	-49 46 7.74	-0.010	12	0.72	55.640	45	03.0	7.26	45	03.0	B9	CZ	14469	P -49 9023
83		9.0T	9 59.508	-0.0023	20	-45 41 26.47	-0.050	20	0.91	59.610	24	05.6	24.25	24	05.2	F5	GC	21801	C -4510522
84	8.8E	9.0Z	10 7.018	0.0002	12	-48 47 17.06	-0.009	12	0.71	7.007	45	03.5	16.83	45	03.5	A0	CZ	14474	P -48 8231
85	9.3E	9.0Z	10 9.387	0.0006	12	-48 36 34.03	-0.015	12	0.71	9.361	45	03.5	33.36	45	03.5	B9	CZ	14475	P -48 8232
86	9.4E	9.3Z	10 12.789	-0.0004	12	-41 13 15.16	-0.004	12	0.67	12.808	28	98.9	14.94	26	98.9	B8	CZ	14479	P -41 7440
87	9.9E	9.4H	10 23.986	-0.0001	12	-45 14 37.04	-0.006	12	0.72	23.989	45	02.5	36.74	45	02.5	A0	CZ	14481	P -45 7827
88		7.0T	10 25.825	0.0020	14	-48 48 23.65	-0.016	10	0.66	25.730	22	01.5	22.76	21	95.6	K2	GC	21805	C -4810625
89	8.1E	8.3Z	10 32.119	0.0004	12	-49 57 36.58	-0.034	12	0.65	32.100	31	01.8	34.93	28	01.8	A0	CZ	14480	P -49 9038
90		8.2T	10 32.608	-0.0006	20	-45 44 55.28	-0.048	20	0.91	32.634	24	05.5	53.14	24	05.1	K5	GC	21807	C -4510525
91	10.8E	9.0Z	10 33.902	-0.0023	12	-47 54 50.18	-0.040	12	0.65	34.012	31	01.7	48.23	28	01.7	G0	CZ	14483	P -47 7571
92	10.0E	8.5Z	10 54.408	0.0003	12	-48 11 55.79	-0.003	12	0.71	54.391	45	03.5	55.63	45	03.5	K0	CZ	14486	P -48 8248
93	9.9E	9.3Z	11 4.654	-0.0022	12	-49 7 38.58	-0.039	12	0.72	4.756	45	03.0	36.75	45	03.0	G0	CZ	14489	P -48 8249
94	9.9E	9.3Z	11 7.000	0.0002	12	-49 8 46.82	0.006	12	0.72	6.988	45	03.0	47.10	45	03.0	B9	CZ	14490	P -48 8250
95	11.4E	10.0*	11 13.995	0.0003	12	-44 20 19.86	0.010	12	0.66	13.980	31	00.8	20.36	28	00.8		CZ	14491	P -44 7810
96		7.7T	11 21.024	-0.0029	15	-45 51 58.34	-0.032	13	0.73	21.166	19	00.9	56.70	18	98.2	F5	GC	21832	C -4510531
97	9.3E	8.0Z	11 26.916	0.0002	12	-49 44 57.17	-0.006	12	0.72	26.907	45	03.0	56.88	45	03.0	K5	CZ	14492	P -49 9059
98	10.1E	8.5Z	11 30.628	0.0002	12	-48 30 26.17	-0.019	12	0.71	30.620	45	03.5	25.31	45	03.5	K2	CZ	14494	P -48 8261
99	9.8E	9.0Z	11 34.736	-0.0033	12	-42 38 44.42	0.034	12	0.73	34.898	45	01.6	46.08	45	01.6	F8	CZ	14500	P -42 7325
00		5.4T	11 36.960	-0.0031	08	-47 14 47.69	-0.052	05	0.30	37.079	14	11.3	45.27	12	03.2	B8	GC	21836	C*-4710611

226700			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-40° 16H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.5E	9.0Z	16 19 17.770	0.0005	12	-42 10 32.16	-0.006	12	0.65	17.743	28	00.1	31.87	26	00.1	A2	CZ	14657	P -41 7466	
2	9.6E	9.0Z	19 18.166	-0.0016	12	-45 43 1.16	-0.021	12	0.73	18.244	45	02.1	0.14	45	02.1	F5	CZ	14652	P -45 7884	
3	10.0E	9.2Z	19 19.786	-0.0019	12	-46 13 39.42	-0.018	12	0.72	19.876	45	03.0	38.56	45	03.0	A2	CZ	14655	P -46 7928	
4	9.5E	9.0Z	19 24.765	0.0001	12	-42 54 8.08	-0.005	12	0.65	24.762	28	00.2	7.81	26	00.2	F0	CZ	14658	P -42 7370	
5	8.8E	8.2Z	19 26.781	-0.0001	12	-48 31 27.11	-0.015	12	0.62	26.788	28	02.7	26.42	26	02.7	K0	CZ	14656D	P*-48 8408	
6	10.1E	8.5Z	19 30.453	-0.0016	12	-42 54 7.52	-0.019	12	0.73	30.532	45	01.6	6.62	45	01.6	G5	CZ	14661	P -42 7371	
7	10.7E	9.3*	19 32.976	-0.0006	12	-45 59 41.10	-0.010	12	0.66	33.006	31	00.8	40.59	28	00.8		CZ	14659	P -45 7886	
8	9.6E	9.9*	19 43.596	-0.0001	12	-49 55 43.85	-0.010	12	0.65	43.601	31	01.8	43.36	28	01.8	B9	CZ	14660	P -49 9262	
9	10.3E	9.3Z	19 44.132	-0.0007	12	-46 17 22.43	-0.018	12	0.72	44.165	45	03.0	21.57	45	03.0	A0	CZ	14664	P -46 7935	
10	9.3E	9.3Z	19 47.152	0.0009	12	-49 35 54.16	-0.008	12	0.72	47.110	45	03.0	53.79	45	03.0	B9	CZ	14662	P -49 9264	
11	10.6E	8.5Z	19 47.824	0.0001	12	-44 3 3.08	0.016	12	0.65	47.819	26	99.9	3.89	24	99.9	K5	CZ	14666	P -43 7527	
12	9.2E	9.5Z	19 54.263	-0.0011	12	-46 36 54.08	-0.013	12	0.65	54.316	31	01.5	53.43	28	01.5	A3	CZ	14667	P -46 7937	
13	10.0E	9.5*	19 56.155	0.0016	12	-40 18 37.96	0.002	12	0.68	56.071	28	97.8	38.05	26	97.8	G5	CZ	14669	P -40 7265	
14		7.5T	20 13.353	0.0011	16	-40 57 29.86	-0.013	13	0.79	13.300	21	03.6	29.23	19	99.9	K0	GC	22201	C -4010341	
15		7.7T	20 18.462	-0.0047	12	-41 7 52.72	-0.041	10	0.60	18.697	22	99.5	50.57	19	96.9	F0	GC	22023K	C*-4010342	
16	9.7E	9.6Z	20 33.703	-0.0078	12	-47 28 17.43	-0.079	12	0.71	34.062	45	04.0	13.78	45	04.0	K0	CZ	14674	P -47 7643	
17	10.5E	9.5*	20 40.715	-0.0015	12	-44 20 29.84	-0.037	12	0.66	40.790	31	00.5	28.02	28	00.5	G0	CZ	14677	P -44 7868	
18	9.3E	9.0Z	20 43.271	-0.0013	12	-48 16 7.32	-0.048	12	0.71	43.331	45	03.5	5.07	45	03.5	K0	CZ	14675	P -48 8437	
19	10.1E	9.6Z	20 46.204	0.0000	12	-48 42 17.74	-0.011	12	0.71	46.202	45	03.5	17.23	45	03.5		CZ	14676	P -48 8438	
20	8.4E	8.0Z	20 46.716	0.0015	12	-43 36 55.34	0.002	12	0.73	46.646	45	01.6	55.46	45	01.6	A2	CZ	14681	P -43 7534	
21	9.8E	9.5Z	20 52.447	-0.0003	12	-43 3 37.54	-0.021	12	0.73	52.463	45	01.6	36.55	45	01.6	A2	CZ	14685	P -42 7374	
22	9.7E	9.7Z	20 53.799	-0.0009	12	-45 30 49.83	-0.012	12	0.73	53.841	45	02.1	49.24	45	02.1	A0	CZ	14683	P -45 7897	
23	10.3E	8.5Z	20 54.383	-0.0020	12	-48 6 23.67	-0.044	12	0.71	54.474	45	04.0	21.62	45	04.0	K0	CZ	14679	P -47 7648	
24	11.1E	9.5Z	20 55.097	0.0003	12	-48 6 32.91	-0.024	12	0.71	55.082	45	04.0	31.79	45	04.0	K0	CZ	14680	P -47 7648	
25		7.8T	20 59.140	0.0030	20	-45 44 9.89	-0.043	20	0.91	59.006	24	05.6	7.98	24	05.2	K5	GC	22038	C -4510622	
26		7.8T	21 5.578	-0.0011	16	-45 3 57.00	-0.006	14	0.77	5.630	18	01.1	56.71	18	99.6	A0	GC	22041	C -4410634	
27	9.9E	9.2Z	21 9.754	-0.0019	12	-47 18 15.54	-0.011	12	0.71	9.841	45	04.0	15.01	45	04.0	A5	CZ	14690	P -47 7655	
28	9.8E	9.3Z	21 10.454	-0.0016	12	-42 6 52.42	-0.037	12	0.84	10.530	63	01.6	50.64	57	01.6	G5	CZ	14695	P -41 7472	
29	7.7E	8.3Z	21 15.648	-0.0015	12	-48 29 12.43	-0.040	12	0.71	15.716	45	03.5	10.56	45	03.5	F0	CZ	14692	P -48 8446	
30		6.5T	21 18.727	0.0023	09	-45 14 5.33	-0.002	07	0.39	18.630	15	08.6	5.26	15	04.5	A2	GC	22046K	C -4510633	
31	8.8E	9.0Z	21 18.729	-0.0009	12	-49 37 30.32	-0.005	12	0.72	18.772	45	03.0	30.07	45	03.0	B9	CZ	14693	P -49 9295	
32	10.0E	9.8Z	21 21.794	0.0002	12	-47 3 56.11	-0.008	12	0.72	21.784	45	03.0	55.71	45	03.0	A2	CZ	14696	P -46 7969	
33		10.0T	21 22.578	0.0000	20	-44 8 45.15	-0.006	26	1.02	22.578	24	06.0	44.89	24	06.6	A0	GC	22048	C -4310759	
34	9.4E	9.0Z	21 24.536	-0.0004	12	-40 28 30.70	-0.003	12	0.86	24.556	63	98.5	30.53	57	98.5	B9	CZ	14705	P -40 7278	
35	10.2E	9.9Z	21 28.868	-0.0005	12	-46 51 44.71	-0.010	12	0.72	28.891	45	03.0	44.23	45	03.0		CZ	14700	P -46 7970	
36	9.0E	8.5Z	21 29.583	0.0006	12	-47 19 17.23	-0.000	12	0.71	29.555	45	04.0	17.22	45	04.0	A2	CZ	14699	P -47 7658	
37	9.3E	9.0Z	21 33.115	-0.0051	12	-41 27 41.55	-0.036	12	0.67	33.375	28	98.9	39.69	26	98.9	F8	CZ	14709	P -41 7475	
38	7.4E	7.5Z	21 34.042	-0.0082	12	-49 1 58.71	-0.089	12	0.71	34.422	45	03.5	54.58	45	03.5	G5	CZ	14701D	P*-48 8449	
39	8.8E	9.0Z	21 36.975	0.0011	12	-48 33 26.75	-0.010	12	0.71	36.926	45	03.5	26.26	45	03.5	A2	CZ	14703	P -48 8450	
40		9.0T	21 38.139	0.0000	17	-40 31 44.67	0.009	16	0.82	38.138	22	02.2	45.13	22	01.4	B8	GC	22056	C -4010367	
41	10.0E	9.1*	21 38.429	-0.0004	12	-46 16 58.90	-0.013	12	0.65	38.450	31	01.5	58.25	28	01.5	B8	CZ	14706	P -46 7973	
42	8.7E	8.0Z	21 42.624	0.0006	12	-43 11 42.17	-0.029	12	0.65	42.596	28	00.2	40.75	26	00.2	A0	CZ	14711	P -43 7544	
43	7.9E	8.0Z	21 42.711	-0.0040	12	-47 24 48.15	-0.068	12	0.65	42.903	31	02.1	43.45	28	02.1	F5	CZ	14708	P -47 7664	
44	9.5E	9.5Z	21 47.794	-0.0004	12	-40 29 42.91	-0.002	12	0.86	47.814	63	98.5	42.80	57	98.5		CZ	14717	P -40 7289	
45	9.4E	9.0Z	21 52.185	-0.0004	12	-40 30 47.28	-0.007	12	0.86	52.204	63	98.5	46.90	57	98.5		CZ	14722	P -40 7293	
46	9.4E	9.0Z	21 52.618	0.0010	12	-40 29 10.04	0.005	12	0.86	52.566	63	98.5	10.28	57	98.5		CZ	14723	P -40 7295	
47	9.7E	9.0Z	21 53.479	-0.0009	12	-46 28 4.83	-0.018	12	0.72	53.522	45	03.0	3.97	45	03.0	A5	CZ	14713	P -46 7976	
48	7.4E	7.5Z	21 54.915	-0.0009	12	-49 18 38.99	-0.030	12	0.65	54.957	31	01.8	37.55	28	01.8	K0	CZ	14710	P -49 9304	
49	10.0E	9.6Z	22 1.950	-0.0008	12	-45 52 48.47	-0.008	12	0.73	1.988	45	02.1	48.07	45	02.1	A0	CZ	14720	P -45 7909	
50	9.4E	9.3Z	22 6.052	-0.0008	12	-47 32 19.67	-0.016	12	0.71	6.088	45	04.0	18.92	45	04.0	A0	CZ	14721	P -47 7671	
51		8.5T	16 22 10.289	-0.0006	20	-45 25 46.31	-0.005	22	0.99	10.314	24	04.3	46.10	24	04.9	B0	GC	22066	C -4510640	
52		9.1T	22 11.104	-0.0019	40	-40 9.55	-0.035	30	1.23	11.190	18	03.8	7.96	18	04.1	F8	GC	22067	C -4010388	
53	8.9E	8.5Z	22 14.525	-0.0006	12	-46 50 14.57	-0.009	12	0.65	14.554	31	01.5	14.12	28	01.5	A0	CZ	14726	P -46 7979	
54	9.9E	9.3*	22 15.520	0.0000	12	-42 30 42.12	-0.007	12	0.65	15.518	28	00.2	41.78	26	00.2	A0	CZ	14731	P -42 7384	
55	9.1E	9.5Z	22 23.927	0.0006	12	-49 22 1.86	-0.011	12	0.72	23.897	45	03.0	1.34	45	03.0	B9	CZ	14728	P -49 9309	
56	9.9E	9.0Z	22 24.474	-0.0011	12	-45 29 31.80	-0.009	12	0.73	24.525	45	02.1	31.35	45	02.1	B9	CZ	14732	P -45 7918	
57		9.0T	22 27.592	-0.0010	20	-44 36 41.44	-0.019	20	0.91	27.637	24	05.6	40.60	24	05.2	M8	GC	22073	C -4410851	
58	9.7E	9.7Z	22 32.035	-0.0004	12	-43 7 53.43	-0.017	12	0.73	32.056	45	01.6	52.58	45	01.6	F0	CZ	14733	P -42 7388	
59	9.3E	9.0Z	22 42.775	-0.0003	12	-41 6 47.39	-0.034	12	0.68	42.789	28	97.6	45.59	26	97.6	A5	CZ	14740	P -40 7314	
60		7.6T	22 43.304	0.0008	18	-45 40 41.83	0.020	18	0.88	43.266	19	03.1	42.79	19	03.1	K5	GC	22082	C -4510649	
61	10.0E	9.7Z	22 45.514	0.0013	12	-48 42 29.66	0.000	12	0.71	45.451	45	03.5	29.66	45	03.5	A0	CZ	14734	P -48 8464	
62	9.2E	9.5Z	22 47.577	0.0009	12	-49 25 38.75	-0.029	12	0.72	47.533	45	03.0	37.39	45	03.0	A2	CZ	14735	P -49 9314	
63	9.6E	9.0Z	22 52.929	0.0005	12	-48 0 46.20	-0.019	12	0.66	52.905	36	03.8	45.30	36	03.8		CZ	14737	P -47 7679	
64	7.7E	8.0Z	22 54.117	0.0004	12	-48 18 27.98	-0.015	12	0.64	54.097	31	02.2	27.25	28	02.2	A2	CZ	14738	P -48 8466	
65	10.0E	9.6*	23 6.246	0.0004	12	-49 59 10.70	-0.010	12	0.65	6.227	31	01.8	10.21	28	01.8	B8	CZ	14743	P -49 9321	
66	10.2E	9.5*	23 7.798	0.0006	12	-41 50 7.87	0.000	12	0.66	7.765	28	99.2	7.88	26	99.2	A0	CZ	14748	P -41 7484	
67		7.4T	23 8.143	-0.0009	15	-47 55 54.58	-0.003	12	0.71	8.185	19	01.0	54.43	18	97.0	B8	GC	22092K	C*-4710752	
68	8.3E	8.0Z	23 21.902	-0.0005	12	-43 48 18.41	-0.016	12	0.68	21.926	36	01.6	17.64	36	01.6	B9	CZ	14754	P -43 7556	
69	7.8E	8.0Z	23 24.368	-0.0005	12	-43 41 14.59	-0.017	12	0.65	24.392	28	00.4	13.77	26	00.4	B8	CZ	14756	P -43 7557	
70	9.7E	9.0Z	23 26.923	0.0003	12	-40 56 23.83	-0.003	12	0.76	26.907	45	98.5	23.56	45	98.5	A2	CZ	14757	P -40 7319	
71	8.3E	7.5Z	23 28.740	-0.0016	12	-48 40 32.93	-0.046	12	0.71	28.812	45	03.5	30.79	45	03.5	K5	CZ	14751	P -48 8472	
72		7.5T	23 29.386	-0.0027	13	-47 26 12.79	-0.021	10	0.64	29.516	24	01.3	11.68	21	96.0	A	GC	22104K	C*-4710764	
73		4.8T	23 30.537	-0.0004	07	-47 26 34.34	-0.030	05	0.30	30.552	14	09.1	32.91	14	01.6	B5	GC	22106K	C*-4710765	
74	9.1E	9.0Z	23 35.554	0.0006	12	-43 16 35.44	-0.014	12	0.68	35.527	36	01.6	34.79	36	01.6	B8	CZ	14759	P -43 7558	
75	9.6E	8.5Z	23 38.403	0.0004	12	-40 26 34.49	-0.005	12	0.76	38.381	45	98.5	34.18	45	98.5	B8	CZ	14762	P -40 7320	
76	8.8E	8.5Z	23 42.721	-0.0033	12	-46 5 23.97	-0.068	12	0.68	42.879	36	02.2	20.71	36	02.2	F8	CZ	14760	P -45 7931	
77	9.4E	9.0Z	23 46.597	0.0002	12	-49 34 8.57	-0.023	12	0.72	46.587	45	03.0	7.49	45	03.0	A0	CZ	14758	P -49 9330	
78	9.5E	9.5Z	23 50.443	-0.0010	12	-48 38 56.72	-0.040	12	0.71	50.487	45	03.5	54.85	45	03.5	G0	CZ	14761	P -48 8475	
79	8.1E	8.1Z	23 58.540	-0.0027	12	-49 19 43.62	-0.067	12	0.72	58.665	45	03.0	40.47	45	03.0	F5	CZ	14763	P -49 9332	
80	9.6E	9.8Z	24 6.915	-0.0001	12	-47 44 5.15	-0.014	12	0.66	6.919	36	03.8	4.48	36	03.8	A0	CZ	14768	P -47 7702	
81	9.1E	9.0Z	24 8.914	0.0003	12	-49 5 36.55	-0.010	12	0.64	8.897	31	02.2	36.07	28	02.2	B8	CZ	14767	P -48 8482	
82	7.7E	8.0Z	24 17.004	-0.0003	12	-43 55 13.76	-0.012	12	0.73	17.018	45	01.6	13.20	45	01.6	B5	CZ	14774	P -43 7567	
83	10.4E	9.5*	24 20.712	-0.0005	12	-45 41 10.86	-0.030	12	0.65	20.737	31	01.2	9.38	28	01.2		CZ	14773	P -45 7936	
84		7.1T	24 21.305	-0.0044	13	-46 8 22.63	-0.045	12	0.70	21.527	18	99.7	20.01	19	91.3	K5	GC	22124	C -4510665	
85	8.5E	8.5Z	24 21.359	0.0050	12	-41 11 50.50	0.002	12	0.67	21.102	28	98.9	50.58	26	98.9	F5	CZ	14776	P -41 7486	
86	9.4E	9.0Z	24 26.496	0.0017	12	-42 43 53.71	-0.017	12	0.65	26.414	28	00.2	52.88	26	00.2	A2	CZ	14778	P -42 7395	
87	9.4E	9.0Z	24 29.315	0.0015	12	-48 38 6.99	-0.026	12	0.71	29.244	45	03.5	5.78	45	03.5	K0	CZ	14775	P -48 8487	
88	9.8E	8.7Z	24 32.392	0.0005	12	-40 50 41.72	-0.027	12	0.86	32.365	63	98.5	40.31	57	98.5	F5	CZ	14782	P -40 7327	
89		9.5T	24 35.584	0.0014	20	-44 10 49.43	-0.001	20	0.91	35.521	24	05.5	49.38	24	05.1	A2	GC	22126	C -4410881	
90	10.0E	9.0Z	24 36.023	0.0002	12	-42 36 29.05	-0.056	12	0.73	36.011	45	01.6	26.35	45	01.6	G5	CZ	14784	P -42 7396	
91		7.8T	24 39.178	0.0047	18	-46 12 26.51	0.030	14	0.84	38.949	19	01.4	28.08	18	98.5	F8	GC	22129	C -4610768	
92	9.8E	9.5Z	24 40.194	0.0034	12	-48 12 35.42	-0.023	12	0.71	40.035	45	03.5	34.32	45	03.5	F8	CZ	14779	P -48 8489	
93	10.0E	9.0Z	24 43.810	-0.0003	12	-42 46 21.23	-0.015	12	0.73	43.827	45	01.6	20.53	45	01.6	A2	CZ	14786	P -42 7397	
94	9.7E	9.8Z	24 52.793	-0.0006	12	-47 49 25.27	-0.022	12	0.71	52.819	45	04.0	24.24	45	04.0	B9	CZ	14785	P -47 7710	
95	8.1E	8.5Z	25 2.687	0.0002	12	-46 34 10.85	-0.015	12	0.65	2.677	31	01.5	10.09	28	01.5	B9	CZ	14788	P -46 8018	
96	9.9E	9.5Z	25 7.030	0.0005	12	-49 22 33.02	-0.008	12	0.72	7.005	45	03.0	32.64	45	03.0	A0	CZ	14787	P -49 9347	
97	8.9E	8.5Z	25 9.622	0.0001	12	-48 28 28.64	-0.009	12	0.64	9.617	31	02.2	28.39	28	02.2	B9	CZ	14789	P -48 8497	
98	9.8E	9.0Z	25 10.646	-0.0006	12	-47 10 42.37	-0.041	12	0.71	10.674	45	04.0	40.47	45	04.0		CZ	14791	P -47 7714	
99		7.9T	25 13.133	0.0018	16	-44 55 26.35	-0.022	14	0.77	13.046	19	01.5	25.25	19	99.8	B2	GC	22137	C -4410868	
00	9.5E	10.0Z	25 13.681	0.0005	12	-43 37 13.29	-0.012	12	0.73	13.657	45	01.6	12.72	45	01.6		CZ	14799	P -43 7577	

226800 — −40° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.4T	16 23 15.277	0.0005	14	−44 42 9.63	−0.001	12	0.69	15.253	22	01.6	9.58	21	97.1	B3	GC	22138	C −4410000
2	9.7E	9.4H	23 22.908	0.0001	12	−43 29 30.97	−0.009	12	0.72	22.903	45	02.5	30.53	45	02.5	B8	CZ	14800	P −45 7953
3	9.6E	9.0Z	23 23.993	0.0002	12	−43 20 54.17	−0.034	12	0.65	23.986	28	00.2	52.30	28	00.2	F8	CZ	14803	P −43 7578
4	9.3E	9.0Z	23 24.604	0.0003	12	−40 27 41.05	−0.021	12	0.68	24.587	28	97.5	39.93	28	97.5	B9	CZ	14806	P −40 7331
5	9.6E	9.3H	23 28.928	0.0016	12	−40 18 32.66	−0.037	12	0.86	28.843	63	98.5	30.74	57	98.5	F5	CZ	14809	P −40 7332
6	9.1E	9.0Z	23 30.733	0.0001	12	−48 50 43.28	−0.027	12	0.71	30.728	45	03.5	42.02	45	03.5	A3	CZ	14801	P −48 8502
7	10.0E	9.3Z	23 38.452	−0.0006	12	−45 25 51.65	−0.011	12	0.65	38.480	31	01.1	51.09	28	01.1	F5	CZ	14805	P −45 7957
8	10.0E	9.6Z	23 43.757	−0.0007	12	−47 0 37.27	−0.007	12	0.72	43.799	45	03.0	36.93	45	03.0		CZ	14804	P −46 8021
9		9.7T	23 45.397	0.0033	17	−44 21 40.86	−0.022	17	0.82	45.244	24	03.8	39.83	22	03.1	B0	GC	22143	C −4410884
10	8.7E	8.7Z	23 50.240	0.0008	12	−46 9 7.57	−0.036	12	0.72	50.204	45	03.0	5.86	45	03.0	B8	CZ	14812	P −45 7962
11	9.7E	9.0Z	23 51.686	−0.0046	12	−41 55 24.64	−0.080	12	0.66	51.899	28	99.1	22.10	28	99.1	G8	CZ	14814	P −41 7489
12	10.0E	9.8Z	23 56.971	−0.0003	12	−49 29 4.03	−0.017	12	0.72	56.983	45	03.0	3.23	45	03.0	A0	CZ	14811	P −49 9356
13		5.5T	23 58.428	−0.0007	06	−46 8 3.44	−0.011	05	0.24	4.456	07	09.2	2.99	07	07.8	B1P	GC	22150	C*−4310007
14		7.2T	24 12.632	0.0000	16	−41 0 6.49	−0.028	11	0.69	12.650	18	02.3	5.02	19	96.8	A0	GC	22155	C −4010451
15	9.3E	8.5Z	24 18.315	0.0001	12	−48 48 21.30	−0.016	12	0.71	18.308	45	03.5	20.55	45	03.5	B9	CZ	14818	P −48 8511
16	9.8E	9.3*	24 18.595	0.0007	12	−47 26 3.87	−0.012	12	0.64	18.561	31	02.1	3.28	28	02.1	B8	CZ	14821	P −47 7732
17	11.3E	10.2H	24 19.167	−0.0003	12	−48 48 35.22	−0.020	12	0.71	19.179	45	03.5	34.30	45	03.5	B9	CZ	14819	P −48 8511
18	9.0E	9.0Z	24 19.608	0.0005	12	−40 57 45.63	−0.012	12	0.86	19.579	63	98.5	44.99	57	98.5	B9	CZ	14826	P −40 7336
19		9.4T	24 22.223	0.0003	20	−44 54 12.93	0.007	22	0.96	22.209	24	06.0	13.24	24	05.9	F8	GC	22161	C −4410903
20	9.8E	9.5Z	24 26.300	−0.0011	12	−47 3 15.51	−0.014	12	0.72	26.352	45	03.0	14.83	45	03.0	A2	CZ	14824	P −46 8030
21	8.8E	8.0Z	24 30.370	−0.0005	12	−41 30 7.62	−0.016	12	0.74	30.394	45	00.0	6.80	45	00.0	B9	CZ	14828	P −41 7491
22	10.1E	9.5Z	24 34.533	0.0037	12	−49 53 37.01	−0.003	12	0.72	34.759	45	03.0	36.86	45	03.0		CZ	14825	P −49 9364
23	9.8E	9.3Z	24 36.877	0.0004	12	−42 27 58.45	−0.013	12	0.65	36.856	28	00.0	57.81	28	00.0	F8	CZ	14832	P −42 7402
24		9.4T	24 42.488	0.0011	20	−45 4 11.32	0.008	20	0.91	42.438	24	05.6	11.70	24	05.2	A0	GC	22167	C*−4410909
25	9.7E	9.5Z	24 43.122	−0.0001	12	−48 37 49.37	−0.019	12	0.71	43.125	45	03.5	48.49	45	03.5	A2	CZ	14827	P −48 8521
26		9.4T	24 44.456	−0.0045	24	−48 2 56.03	−0.064	26	1.14	44.658	21	04.7	53.14	21	04.7	F0	GC	22168	C −4710811
27	9.9E	9.4Z	24 46.795	0.0012	12	−48 25 19.94	−0.013	12	0.71	46.738	45	03.5	19.32	45	03.5	A0	CZ	14830	P −48 8522
28	10.6E	10.5H	24 50.064	−0.0006	12	−47 4 2.88	−0.011	12	0.72	50.032	45	03.0	2.35	45	03.0	A0	CZ	14834	P −46 8033
29	9.9E	10.0Z	24 51.030	−0.0002	12	−47 3 54.76	−0.014	12	0.72	51.039	45	03.0	54.09	45	03.0	A0	CZ	14835	P −46 8033
30		7.9T	24 51.596	0.0007	18	−44 0 25.54	0.030	18	0.89	51.562	19	02.4	26.99	18	01.7	M0	GC	22169	C −4310840
31	9.9E	9.6Z	24 55.473	0.0015	12	−49 39 37.75	−0.008	12	0.72	55.403	45	03.0	37.37	45	03.0	A2	CZ	14833	P −49 9370
32	8.8E	9.0Z	24 57 4.444	0.0007	12	−49 49 55.61	−0.017	12	0.65	4.410	31	01.8	54.78	28	01.8	A0	CZ	14837	P −49 9372
33	9.7E	9.5Z	24 57 5.201	0.0015	12	−48 34 51.79	−0.009	12	0.71	5.134	45	03.5	51.40	45	03.5	B9	CZ	14839	P −48 8526
34		9.3T	24 57 6.909	0.0025	20	−44 42 29.78	0.007	20	0.91	6.797	24	05.6	30.10	24	05.2	B3	GC	22177	C −4410912
35	10.2E	9.3*	24 57 10.527	−0.0006	12	−45 59 51.26	−0.011	12	0.65	10.582	31	01.2	50.71	28	01.2		CZ	14846	P −45 7979
36		9.5T	24 57 15.354	−0.0015	20	−44 17 26.32	0.013	20	0.94	15.423	21	03.3	26.93	19	03.1	B9	GC	22180	C −4410915
37	9.7E	8.0Z	24 57 17.448	−0.0004	12	−49 52 24.52	−0.019	12	0.72	17.467	45	03.0	23.61	45	03.0	K5	CZ	14843	P −49 9376
38	9.4E	9.0Z	24 57 21.813	0.0004	12	−41 35 7.20	−0.008	12	0.74	21.792	45	00.0	6.78	45	00.0	A0	CZ	14852	P −41 7484
39	7.7E	8.0Z	24 57 24.201	−0.0003	12	−46 22 18.71	−0.016	12	0.65	24.217	31	01.5	17.92	28	01.5	B3	CZ	14849D	P*−46 8038
40		9.6T	24 57 25.671	0.0011	18	−44 54 39.44	−0.013	22	0.96	25.620	24	04.4	38.67	24	05.0	B8	GC	22184	C −4410916
41	9.7E	9.0Z	24 57 31.316	−0.0016	12	−49 49 17.86	−0.021	12	0.66	37.391	36	03.5	16.88	36	03.5	A0	CZ	14851	P −49 9361
42	9.7E	9.7Z	24 57 43.349	−0.0006	12	−44 49 23.53	−0.011	12	0.73	43.378	45	02.1	23.02	45	02.1	A0	CZ	14856	P −44 7939
43	9.1E	8.7Z	24 57 44.715	−0.0008	12	−46 8 9.30	−0.016	12	0.72	44.753	45	03.0	8.53	45	03.0	A0	CZ	14857	P −45 7983
44	7.7E	8.5Z	24 57 46.829	0.0012	12	−49 1 21.15	−0.021	12	0.62	46.771	28	03.2	20.17	28	03.2	B5	CZ	14856	P −48 8531
45	9.3E	9.0Z	24 57 48.333	−0.0002	12	−41 52 8.07	−0.005	12	0.74	48.341	45	00.0	7.83	45	00.0	A2	CZ	14859	P −41 7498
46	9.1E	9.0Z	24 57 54.044	−0.0025	12	−40 57 8.42	−0.014	12	0.86	54.171	63	98.5	7.68	57	98.5	F5	CZ	14862	P −40 7346
47	10.0E	9.0Z	24 57 57.334	−0.0017	12	−40 32 27.42	−0.034	12	0.86	57.420	63	98.5	25.65	57	98.5	K5	CZ	14863	P −40 7347
48	9.8E	9.0Z	28 3.641	−0.0028	12	−40 43 49.46	−0.014	12	0.86	3.783	63	98.5	48.73	57	98.5	G0	CZ	14866	P −40 7349
49	9.6E	9.0Z	28 5.540	−0.0062	12	−41 32 57.35	−0.034	12	0.74	5.849	45	00.0	55.64	45	00.0	G5	CZ	14868	P −41 7498
50	9.6E	9.7Z	28 7.407	0.0004	12	−43 35 42.19	−0.019	12	0.67	7.390	36	02.6	41.31	36	02.6	A0	CZ	14864	P −43 7596
51	7.5E	7.5Z	16 28 8.433	−0.0000	12	−43 6 40.63	−0.045	12	0.63	8.435	24	01.1	38.42	22	01.1	A3	CZ	14867	P −42 7407
52	9.7E	9.0Z	28 9.661	0.0010	12	−49 25 49.09	−0.019	12	0.64	9.612	31	02.5	48.18	28	02.5	A0	CZ	14860	P −49 9382
53		9.7T	28 10.351	−0.0033	18	−44 41 42.49	−0.043	17	0.85	10.504	24	03.8	40.48	22	03.1	G0	GC	22197	C −4410884
54	10.0E	10.0Z	28 10.409	0.0013	12	−48 58 47.23	−0.025	12	0.65	10.349	36	04.5	46.09	36	04.5	B9	CZ	14861	P −48 8534
55		5.5T	28 12.829	−0.0014	10	−41 42 37.55	−0.001	09	0.40	12.884	12	09.3	37.50	12	07.1	B1P	GC	22198K	C*−4110895
56	9.1E	8.5Z	28 17.722	−0.0032	12	−42 38 0.68	−0.021	12	0.64	17.883	28	00.5	59.66	24	00.5	G5	CZ	14873	P −42 7409
57	10.1E	9.2Z	28 18.213	−0.0006	12	−42 25 24.88	−0.013	12	0.68	18.240	36	01.6	24.27	36	01.6	A0	CZ	14874	P −42 7410
58		7.4T	28 24.253	0.0022	18	−44 46 51.36	−0.051	20	0.91	24.149	21	03.2	48.97	19	03.0	M0	GC	22204	C −4410926
59	9.1E	8.5Z	28 25.139	0.0002	12	−46 34 15.99	−0.015	12	0.67	25.130	36	02.9	15.26	36	02.9	A3	CZ	14872	P −46 8047
60		9.6T	28 32.377	−0.0010	20	−44 22 48.11	−0.002	22	0.96	32.420	24	05.6	48.02	24	05.9	A0	GC	22207	C −4410930
61	9.1E	8.7Z	28 32.601	−0.0009	12	−46 22 15.51	−0.035	12	0.67	32.645	36	02.9	13.85	36	02.9	B9	CZ	14876	P −46 8049
62	9.8E	9.5Z	28 37.290	−0.0002	12	−46 0 52.24	−0.015	12	0.67	37.300	36	02.5	51.51	36	02.5	A	CZ	14877	P −45 7991
63	9.1E	9.0Z	28 42.811	−0.0047	12	−43 42 56.13	−0.044	12	0.67	43.034	36	02.6	54.06	36	02.6	G0	CZ	14878	P −43 7607
64	9.8E	9.0Z	28 52.777	−0.0012	12	−41 5 5.58	−0.046	12	0.69	52.838	31	98.0	3.17	28	98.0	A2	CZ	14885	P −40 7354
65		10.1T	28 57.229	0.0004	32	−40 12 37.51	−0.076	32	1.44	57.209	19	04.7	34.09	19	04.7	A0	GC	22214	C*−4010488
66	8.9E	9.2H	28 57.667	−0.0032	12	−45 10 17.70	−0.053	12	0.67	57.818	36	02.5	15.17	36	02.5	F8	CZ	14883	P −45 7999
67		9.6T	28 59.028	0.0050	20	−45 45 54.78	−0.010	22	0.97	58.805	24	05.5	54.35	24	05.8	A0	GC	22215K	C*−4510733
68	9.3E	9.0Z	29 2.072	0.0003	12	−45 45 18.97	−0.011	12	0.67	2.058	36	02.5	18.43	36	02.5	A0	CZ	14884	P −45 8001
69	9.2E	9.0Z	29 2.474	0.0001	12	−49 29 29.59	−0.014	12	0.71	2.467	45	04.0	28.95	45	04.0	B9	CZ	14880	P −49 9398
70	7.7E	8.0Z	29 2.732	−0.0019	12	−43 37 41.45	−0.019	12	0.67	2.822	36	02.6	40.53	36	02.6	A2	CZ	14887	P −43 7612
71	9.1E	8.7Z	29 13.238	0.0001	12	−46 10 21.84	−0.015	12	0.67	13.234	36	02.9	21.12	36	02.9	B8	CZ	14890	P −46 8055
72		7.6T	29 14.655	−0.0008	16	−40 55 45.19	−0.062	12	0.75	14.691	22	01.5	41.91	19	96.8	A0	GC	22225	C −4010492
73	9.2E	7.7Z	29 26.043	0.0000	12	−49 29 2.46	−0.015	12	0.71	26.041	45	04.0	1.77	45	04.0	K5	CZ	14891	P −49 9402
74		9.1T	29 27.962	−0.0036	20	−44 54 24.95	0.014	20	0.94	28.149	21	03.3	25.61	19	03.1	K0	GC	22230	C −4410942
75	9.6E	8.7Z	29 28.527	−0.0034	12	−46 13 8.04	−0.052	12	0.72	28.687	45	03.0	5.58	45	03.0	G5	CZ	14896	P −46 8057
76	8.8E	8.9Z	29 29.346	−0.0015	12	−47 34 40.75	−0.026	12	0.65	29.414	36	04.2	39.54	36	04.2	F2	CZ	14894	P −47 7760
77		8.7T	29 31.712	0.0032	18	−45 46 42.12	−0.014	18	0.88	31.564	22	03.7	41.48	22	02.9	K5	GC	22232	C −4510735
78	8.4E	8.8Z	29 32.881	0.0001	12	−48 19 56.65	−0.022	12	0.62	32.875	28	03.2	55.61	28	03.2	B8	CZ	14895	P −48 8559
79	9.6E	9.5Z	29 35.070	−0.0003	12	−40 52 27.21	−0.013	12	0.86	35.084	63	98.5	26.52	57	98.5	B9	CZ	14901	P −40 7362
80	9.5E	9.0Z	29 37.807	0.0004	12	−41 53 32.90	−0.010	12	0.74	37.786	45	00.0	32.41	45	00.0	B8	CZ	14902	P −41 7504
81	9.5E	8.5Z	29 38.544	0.0014	12	−45 43 20.83	0.010	12	0.72	38.479	45	02.5	21.29	45	02.5	K0	CZ	14899	P −45 8004
82	9.3E	8.5Z	29 51.324	0.0010	12	−41 39 17.39	−0.006	12	0.67	51.271	28	98.9	17.09	28	98.9	B9	CZ	14910	P −41 7506
83	9.2E	8.0Z	29 54.148	0.0004	12	−45 40 49.91	−0.256	12	0.72	54.130	45	02.5	37.74	45	02.5	G5	CZ	14907	P −45 8006
84	8.3E	8.5Z	29 54.220	0.0005	12	−46 34 24.80	−0.014	12	0.65	54.196	31	01.5	24.10	28	01.5	B9	CZ	14905	P −46 8059
85	9.6E	9.7Z	29 55.350	−0.0006	12	−49 9 43.30	−0.031	12	0.71	55.375	45	04.0	41.88	45	04.0		CZ	14903	P −48 8567
86	8.1E	8.1Z	29 59.988	−0.0003	12	−49 4 3.79	−0.027	12	0.70	+00.000	45	04.6	2.56	45	04.6	A2	CZ	14904	P −48 8569
87	9.6E	9.6Z	30 0.798	−0.0001	12	−47 45 58.94	−0.019	12	0.71	0.800	45	04.0	58.05	45	04.0	B9	CZ	14909	P −47 7763
88	9.7E	9.0Z	30 2.365	−0.0006	12	−40 26 30.55	−0.029	12	0.86	2.395	63	98.5	29.06	57	98.5	A2	CZ	14916	P −40 7365
89		9.3T	30 2.959	0.0027	22	−45 6 41.17	0.005	22	1.19	2.821	27	98.6	41.42	26	98.4	A0	GC	22242	C −4410949
90		8.0T	30 9.499	0.0018	08	−40 39 56.06	0.015	07	0.38	9.421	15	06.0	56.78	14	03.4	F2	GC	22245	C −4010507
91		6.9T	30 9.698	0.0014	16	−48 0 24.35	0.001	13	0.75	9.631	18	01.6	24.39	18	98.2	B0	GC	22246K	C*−4710855
92	9.0E	7.5Z	30 11.931	0.0012	12	−46 27 15.83	−0.016	12	0.72	11.874	45	03.0	15.07	45	03.0	K5	CZ	14914	P −46 8062
93		9.0T	30 15.149	0.0001	20	−44 23 4.26	−0.028	20	0.91	15.143	24	05.6	3.01	24	05.2	A2	GC	22249	C −4410954
94	8.9E	9.0Z	30 16.111	−0.0002	12	−48 13 42.10	−0.016	12	0.70	16.118	45	04.6	41.36	45	04.6	B8	CZ	14915	P −48 8573
95	9.2E	9.0Z	30 19.241	−0.0005	12	−44 39 57.58	−0.022	12	0.71	19.265	45	03.6	56.55	45	03.6	A0	CZ	14922	P −44 7960
96		8.9T	30 22.096	−0.0018	13	−48 46 36.56	0.024	12	0.69	22.184	22	00.6	37.81	21	98.5	B0	GC	22253	C −4810946
97		7.0T	30 22.512	0.0018	17	−48 21 27.51	−0.015	12	0.76	22.428	24	03.3	26.72	21	98.1	A5	GC	22254	C −4810947
98	8.9E	8.7*	30 23.144	−0.0009	12	−47 30 47.75	−0.005	12	0.64	23.185	31	02.1	47.50	28	02.1	A0	CZ	14920	P −47 7769
99	9.3E	8.5Z	30 24.314	−0.0098	12	−42 47 2.45	−0.074	12	0.73	24.786	45	01.6	58.85	45	01.6	G5	CZ	14924	P −42 7425
00		5.1T	30 31.335	−0.0009	07	−43 56 28.69	−0.005	05	0.27	31.371	09	08.2	28.46	09	03.8	B0P	GC	22258	C*−4310900

226900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
																		-40° 16H DM NUMBER
1		7.3T	16 30 36.043	-0.0021	16	-49 39 58.06	-0.022	11	0.71	36.144	19	02.5	56.90	21	97.4	B3	GC	22260 C -4910778
2	9.7E	9.0Z	30 39.535	-0.0008	12	-48 19 40.69	-0.015	12	0.70	39.569	45	04.6	40.00	45	04.6	A0	CZ	14925 P -48 8581
3	9.8E	9.3*	30 40.866	0.0004	12	-46 2 12.71	-0.004	12	0.65	40.846	31	01.2	12.50	28	01.2	B9	CZ	14928 P -45 8013
4	8.7E	8.5Z	30 41.366	-0.0010	12	-42 39 20.50	-0.026	12	0.73	41.412	45	01.6	19.23	45	01.6	A0	CZ	14932 P -42 7427
5	10.1E	9.9Z	30 42.113	-0.0014	12	-46 50 33.30	-0.030	12	0.72	42.178	45	03.0	31.88	45	03.0	A3	CZ	14927 P -46 8064
6	9.0E	8.5Z	30 47.427	0.0000	12	-46 14 46.16	-0.006	12	0.72	47.427	45	03.0	45.87	45	03.0	F2	CZ	14931 P -46 8065
7	8.6E	8.0Z	30 50.212	0.0005	12	-49 13 9.16	-0.028	12	0.71	50.191	45	04.0	7.87	45	04.0	G5	CZ	14929 P -49 9420
8	8.2E	8.0Z	30 54.798	-0.0004	12	-49 44 58.85	-0.011	12	0.64	54.816	31	02.3	58.32	28	02.5	B5	CZ	14930 P -49 9421
9	10.2E	9.9Z	30 57.134	0.0004	12	-49 26 57.52	-0.013	12	0.71	57.117	45	04.0	56.93	45	04.0		CZ	14935 P -49 9426
10	10.5E	9.0Z	30 57.320	0.0019	12	-49 36 16.92	-0.015	12	0.71	57.231	45	04.0	16.23	45	04.0		CZ	14933 P -49 9425
11	12.1E	9.8H	30 57.798	0.0008	12	-49 36 14.15	-0.023	12	0.71	57.760	45	04.0	13.10	45	04.0		CZ	14934 P -49 9425
12	7.3E	7.5Z	30 58.369	0.0009	12	-46 54 2.80	-0.006	12	0.65	58.324	31	01.5	2.50	28	01.5	B3	CZ	14937 P -46 8067
13	10.0E	8.5Z	30 58.838	-0.0004	12	-46 25 21.69	-0.029	12	0.72	58.856	45	03.0	20.31	45	03.0	K2	CZ	14939 P -46 8068
14		7.8T	30 59.649	0.0000	09	-49 17 32.33	-0.016	06	0.38	59.649	15	08.3	31.57	14	02.0	B8	GC	22267 C -4910790
15	9.8E	9.5Z	31 1.787	0.0001	12	-46 20 50.04	-0.013	12	0.72	1.783	45	03.0	49.41	45	03.0	B9	CZ	14941 P -46 8070
16	9.1E	9.0Z	31 2.777	0.0006	12	-46 35 0.60	-0.009	12	0.72	2.748	45	03.0	0.16	45	03.0	B8	CZ	14942 P -46 8069
17	9.7E	9.0Z	31 3.096	0.0003	12	-41 23 48.53	0.000	12	0.74	3.080	45	00.0	48.54	45	00.0	B5	CZ	14946 P -41 7510
18	9.3E	9.0Z	31 5.101	0.0001	12	-49 13 42.87	-0.024	12	0.71	5.097	45	04.0	41.77	45	04.0		CZ	14938 P -49 9429
19	10.3E	9.5Z	31 5.826	-0.0021	12	-48 53 36.99	-0.031	12	0.70	5.922	45	04.6	35.59	45	04.6	G5	CZ	14940 P -48 8585
20		8.1T	31 9.971	-0.0008	18	-47 53 11.32	0.002	13	0.80	10.009	18	02.9	11.41	21	99.0	B9	GC	22269 C -4710864
21	9.9E	9.9Z	31 10.631	0.0003	12	-46 46 21.58	-0.013	12	0.72	10.615	45	03.0	20.96	45	03.0	A2	CZ	14944 P -46 8074
22	9.7E	9.7Z	31 12.634	-0.0004	12	-47 6 28.67	-0.024	12	0.82	12.651	63	03.5	27.55	57	03.5	A0	CZ	14945 P -46 8075
23	9.5E	9.3H	31 14.292	-0.0022	12	-40 14 38.31	-0.066	12	0.86	14.405	63	98.5	34.92	57	98.5	G0	CZ	14947 P -40 7373
24	10.2E	9.7Z	31 25.971	-0.0004	12	-42 35 42.83	-0.013	12	0.73	25.989	45	01.6	42.18	45	01.6	A0	CZ	14948 P -42 7431
25	8.7E	9.0Z	31 30.845	0.0003	12	-43 45 14.81	-0.014	12	0.65	30.831	28	00.9	14.10	26	00.9	A0	CZ	14951D P*-43 7625
26		6.4T	31 31.687	-0.0021	12	-45 8 27.66	-0.074	10	0.63	31.802	19	95.5	23.38	18	92.3	K0	GC	22275 C -4410964
27	9.8E	9.0Z	31 34.915	0.0004	12	-44 16 40.89	-0.017	12	0.65	34.896	31	01.8	40.06	28	01.8		CZ	14953 P -44 7964
28	10.2E	9.6Z	31 38.939	-0.0003	12	-45 4 13.62	-0.030	12	0.71	38.954	45	03.6	12.21	45	03.6		CZ	14956 P -44 7965
29		9.0T	31 39.600	0.0018	20	-44 47 58.62	-0.027	20	0.91	39.518	24	05.3	57.41	24	05.1	B9	GC	22280 C -4410967
30	8.7E	8.5*	31 41.130	-0.0022	12	-48 35 38.68	-0.146	12	0.64	41.234	31	02.9	31.78	28	02.9	G5	CZ	14950 P -48 8589
31	8.8E	9.0Z	31 44.920	0.0001	12	-49 7 34.02	-0.016	12	0.71	44.917	45	04.0	33.29	45	04.0	A0	CZ	14952 P -48 8590
32	9.7E	9.8Z	31 45.216	0.0001	12	-45 45 40.59	-0.009	12	0.72	45.211	45	02.5	40.15	45	02.5	A0	CZ	14959 P -45 8021
33	8.1E	8.5Z	31 46.293	0.0007	12	-43 32 58.73	-0.010	12	0.64	46.257	28	01.0	58.23	26	01.0	B8	CZ	14960 P -43 7626
34	9.2E	9.0Z	31 48.654	-0.0013	12	-42 8 13.44	-0.031	12	0.73	48.715	45	01.6	11.92	45	01.6	A3	CZ	14961 P -41 7517
35	9.9E	9.8Z	31 48.776	-0.0005	12	-48 49 52.47	-0.017	12	0.70	48.801	45	04.6	51.70	45	04.6	A3	CZ	14957 P -48 8592
36	9.9E	8.2Z	31 52.971	-0.0012	12	-41 40 16.42	-0.002	12	0.74	53.029	45	00.0	16.30	45	00.0	K0	CZ	14964 P -41 7518
37	8.8E	8.0Z	31 59.330	-0.0014	12	-46 9 5.70	-0.027	12	0.72	59.396	45	03.0	4.42	45	03.0	K0	CZ	14962 P -45 8023
38	8.5E	8.6Z	32 0.178	-0.0001	12	-45 31 8.68	-0.008	12	0.72	0.180	45	02.5	8.29	45	02.5	B5	CZ	14965 P -45 8027
39		8.5T	32 0.188	-0.0007	20	-45 31 9.37	-0.017	20	0.91	0.217	24	05.3	8.60	24	05.2	B5	GC	22287 C -4510768
40	9.9E	9.5Z	32 10.105	0.0008	12	-42 2 44.60	-0.004	12	0.74	10.064	45	00.0	44.38	45	00.0	B8	CZ	14970 P -41 7520
41		8.4T	32 10.730	-0.0014	20	-45 34 37.31	-0.035	20	0.94	10.793	21	03.3	35.66	19	03.1	B3	GC	22289 C -4510769
42	9.0E	9.0Z	32 16.634	-0.0004	12	-46 22 48.19	-0.004	12	0.65	16.653	31	01.5	47.98	28	01.5	B5	CZ	14969 P -46 8082
43	9.3E	8.5Z	32 18.706	-0.0007	12	-42 1 15.47	-0.007	12	0.67	18.740	28	98.9	15.09	26	98.9	B0	CZ	14973 P -41 7521
44	9.1E	8.5Z	32 20.378	-0.0014	12	-41 5 54.87	-0.005	12	0.68	20.450	28	97.9	54.62	26	97.9	B9	CZ	14977 P -40 7376
45		7.7T	32 21.341	-0.0008	09	-43 6 38.08	-0.013	08	0.40	21.378	14	05.5	37.49	14	03.4	A0	GC	22293 C -4211393
46		8.7T	32 22.180	0.0009	20	-45 3 56.61	-0.000	22	0.99	22.140	24	04.7	56.61	24	04.4	K0	GC	22294 C -4410971
47	10.2E	10.0Z	32 23.089	-0.0005	12	-43 6 22.53	-0.031	12	0.84	23.111	63	01.6	21.02	57	01.6		CZ	14975 P -42 7437
48	10.3E	9.8Z	32 28.747	-0.0009	12	-48 11 25.33	-0.017	12	0.70	28.786	45	04.6	24.54	45	04.6	F0	CZ	14971 P -48 8601
49	9.6E	9.7Z	32 38.082	-0.0009	12	-46 44 5.05	-0.010	12	0.72	38.123	45	03.0	4.57	45	03.0	B5	CZ	14979 P -46 8088
50	10.0E	9.5Z	32 38.796	-0.0002	12	-47 8 30.21	-0.012	12	0.71	38.804	45	04.0	29.65	45	04.0	A0	CZ	14978 P -46 8086
51	8.6E	8.5Z	16 32 46.551	0.0004	12	-46 8 40.56	-0.015	12	0.72	46.532	45	03.0	39.85	45	03.0	B5	CZ	14981 P -45 8034
52	9.1E	8.8H	32 46.749	-0.0002	12	-45 17 45.39	-0.017	12	0.72	46.756	45	02.5	44.57	45	02.5	A0	CZ	14982 P -45 8035
53		5.6T	32 51.123	-0.0006	07	-42 45 27.13	-0.010	06	0.29	51.148	12	08.1	26.65	12	00.5	B1	GC	22304 C*-4211399
54	9.2E	8.0Z	32 52.240	-0.0008	12	-43 38 35.50	-0.023	12	0.72	52.278	45	03.1	34.40	45	03.1	K2	CZ	14984 P -43 7631
55		8.4T	33 0.107	0.0021	20	-44 53 35.11	-0.041	22	0.96	0.012	24	05.5	33.32	24	06.2	K2	GC	22308 C -4410979
56	9.2E	8.5Z	33 1.450	-0.0007	12	-49 0 27.45	-0.009	12	0.64	1.485	31	02.9	27.03	28	02.9	F0	CZ	14983 P -48 8605
57		7.1T	33 2.206	-0.0016	14	-40 12 5.44	-0.019	12	0.70	2.286	21	01.2	4.42	18	97.6	B9	GC	22309 C -4010535
58		7.7T	33 5.576	-0.0003	16	-45 3 27.65	0.018	13	0.77	5.591	22	01.5	28.57	21	98.3	A5	GC	22312 C -4410982
59	9.9E	9.0Z	33 14.635	-0.0010	12	-48 33 48.05	-0.010	12	0.70	14.681	45	04.6	47.58	45	04.6	B2	CZ	14988 P -48 8608
60	9.7E	9.5Z	33 21.200	0.0003	12	-41 49 30.95	-0.013	12	0.70	21.183	36	99.5	30.27	36	99.5	A3	CZ	14996 P -41 7526
61	7.8E	8.5H	33 23.374	0.0010	12	-45 13 4.51	-0.011	12	0.66	23.325	36	03.2	4.00	36	03.2	B5	CZ	14991 P -45 8043
62		9.6T	33 27.021	0.0012	17	-44 11 21.42	-0.021	20	0.87	26.964	24	03.8	20.46	24	04.3	A0	GC	22318 C -4410986
63	9.6E	8.5Z	33 29.712	-0.0001	12	-47 1 47.27	-0.014	12	0.66	29.715	36	03.6	46.61	36	03.6	B8	CZ	14994 P -46 8096
64	9.7E	9.5*	33 31.803	0.0011	12	-47 58 19.76	-0.014	12	0.62	31.749	28	02.7	19.09	26	02.7	A0	CZ	14993 P -47 7785
65	9.9E	9.8Z	33 36.781	0.0002	12	-46 47 41.41	-0.009	12	0.66	38.770	36	03.6	40.98	36	03.6	A0	CZ	14998 P -46 8098
66	9.3E	9.0Z	33 43.046	-0.0005	12	-42 13 7.24	-0.004	12	0.68	43.069	36	01.6	7.05	36	01.6	B9	CZ	15000 P -42 7447
67	9.8E	9.8Z	33 44.365	0.0012	12	-46 30 43.43	0.006	12	0.66	44.307	36	03.6	43.70	36	03.6	B8	CZ	14999 P -46 8099
68	9.8E	9.5Z	33 58.222	0.0001	12	-44 14 41.38	-0.004	12	0.74	58.217	45	00.0	41.56	45	00.0	B8	CZ	15008 P -41 7529
69	9.7E	8.5Z	34 2.236	0.0019	12	-47 36 22.98	-0.025	12	0.65	2.150	36	04.2	21.83	36	04.2	K5	CZ	15002 P -47 7790
70	9.5E	9.0Z	34 6.807	0.0000	12	-46 8 50.52	-0.010	12	0.66	6.805	36	03.6	50.06	36	03.6	A0	CZ	15006 P -45 8047
71	9.8E	9.7Z	34 9.204	0.0014	12	-47 17 52.55	0.001	12	0.65	9.142	36	04.2	52.60	36	04.2	B9	CZ	15004 P -47 7791
72	9.8E	8.5Z	34 10.204	-0.0322	12	-40 46 57.34	-0.371	12	0.86	11.862	63	98.5	38.21	57	98.5	K0	CZ	15017 P -40 7392
73	9.6E	9.2Z	34 11.819	0.0015	12	-41 4 41.51	0.003	12	0.86	11.741	63	98.5	41.64	57	98.5	A0	CZ	15014 P -40 7391
74	8.5E	8.5Z	34 11.893	0.0002	12	-45 46 43.45	0.003	12	0.66	11.882	36	03.2	43.59	36	03.2	B5	CZ	15011 P -45 8046
75	9.2E	9.0Z	34 13.371	0.0011	12	-47 12 32.41	-0.004	12	0.62	13.321	28	02.8	32.22	26	02.8	B8	CZ	15009 P -47 7794
76	10.1E	9.5Z	34 14.539	0.0008	12	-48 54 55.36	-0.021	12	0.70	14.502	45	04.6	54.41	45	04.6	A3	CZ	15007 P -48 8619
77	9.6E	9.0Z	34 18.548	0.0018	12	-48 53 23.01	-0.015	12	0.70	18.466	45	04.6	22.34	45	04.6	B9	CZ	15010 P -48 8622
78		6.6T	34 21.112	0.0002	18	-46 3 18.37	0.002	13	0.79	21.105	18	03.0	18.46	19	00.4	K2	GC	22331 C -4510797
79	9.1E	8.9*	34 26.221	0.0018	12	-42 34 1.07	-0.006	12	0.65	26.130	28	99.9	0.77	26	99.9	F5	CZ	15022 P -42 7452
80	9.9E	9.2Z	34 27.555	0.0018	12	-48 7 13.15	-0.004	12	0.70	27.474	45	04.6	12.96	45	04.6	B8	CZ	15016 P -47 7796
81		7.9T	34 28.010	0.0011	20	-44 12 1.77	-0.030	20	0.91	27.960	24	05.6	0.43	24	05.2	K0	GC	22336 C -4411003
82	7.9E	8.0Z	34 34.219	0.0000	12	-46 49 55.33	0.007	12	0.65	34.217	31	01.8	55.68	28	01.8	F0	CZ	15021 P -46 8105
83	8.1E	8.5Z	34 35.395	-0.0076	12	-49 7 31.48	-0.110	12	0.70	35.741	45	04.5	26.50	45	04.5	F8	CZ	15019 P -48 8628
84	7.9E	8.5Z	34 36.465	-0.0006	12	-49 40 0.24	-0.020	12	0.64	36.492	31	02.8	59.31	28	02.8	A0	CZ	15018 P -49 9474
85	9.2E	9.6Z	34 43.057	0.0001	12	-48 36 20.33	-0.013	12	0.70	43.052	45	04.6	19.76	45	04.6	A0	CZ	15024 P -48 8629
86	9.8E	9.8Z	34 44.678	0.0007	12	-48 42 52.91	-0.008	12	0.70	44.646	45	04.6	52.56	45	04.6	B8	CZ	15025 P -48 8631
87	9.4E	9.0Z	34 50.736	0.0014	12	-45 53 18.53	0.001	12	0.71	50.669	45	03.6	18.57	45	03.6	B8	CZ	15026 P -45 8052
88	10.7E	9.2H	34 51.807	0.0002	12	-40 10 6.13	-0.010	12	0.68	51.796	28	97.7	5.59	26	97.7	K5	CZ	15031 P -40 7396
89		6.1T	34 53.577	-0.0020	07	-43 17 57.10	-0.028	05	0.29	53.656	14	10.8	55.81	12	03.3	B3	GC	22347K C*-4310959
90	9.4E	9.5Z	34 54.637	0.0007	12	-45 28 42.16	-0.006	12	0.71	54.606	45	03.6	41.88	45	03.6	B8	CZ	15028 P -45 8053
91	9.7E	9.0Z	35 2.134	-0.0001	12	-41 32 9.60	-0.020	12	0.66	2.138	28	99.2	8.56	26	99.2	F0	CZ	15036 P -41 7532
92	10.3E	9.3*	35 5.085	0.0002	12	-44 17 15.14	-0.007	12	0.64	5.076	31	02.5	14.81	28	02.5		CZ	15033 P -44 7985
93	9.9E	9.0Z	35 14.747	-0.0014	12	-48 4 47.47	-0.020	12	0.70	14.811	45	04.6	46.56	45	04.6	F8	CZ	15034 P -47 7804
94	9.0E	8.5Z	35 15.161	0.0001	12	-43 20 32.72	-0.016	12	0.64	15.158	28	01.2	31.96	26	01.2	A2	CZ	15041 P -43 7636
95	9.7E	8.0Z	35 16.030	0.0014	12	-47 18 8.04	0.003	12	0.70	15.964	45	04.6	8.18	45	04.6	K0	CZ	15038 P -47 7805
96	9.7E	8.4Z	35 17.014	0.0021	12	-48 38 54.61	-0.010	12	0.70	16.918	45	04.6	54.17	45	04.6	K0	CZ	15035 P -48 8642
97		7.7T	35 19.607	0.0017	20	-44 3 32.38	-0.028	20	0.91	19.530	24	05.5	31.13	24	05.1	B3	GC	22359 C -4310964
98	9.0E	8.7*	35 22.278	0.0014	12	-45 29 40.60	-0.010	12	0.65	22.212	31	01.8	40.12	28	01.8	A2	CZ	15042 P -45 8056
99	9.3E	8.5Z	35 29.737	0.0002	12	-46 56 9.11	-0.002	12	0.71	29.725	45	03.6	9.02	45	03.6	K0	CZ	15047 P -46 8108
00	9.7E	9.0Z	35 30.922	0.0020	12	-47 12 36.50	-0.124	12	0.70	30.833	45	04.6	30.87	45	04.6	G5	CZ	15048 P -47 7806

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EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -40° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.0E	9.9Z	16 35 32.726	0.0006	12	-48 48 46.14	-0.014	12	0.70	32.699	45	04.6	45.52	45	04.6		CZ	15045	P -48 8647
2		7.9T	35 34.104	-0.0004	20	-44 15 32.99	-0.032	22	0.97	34.120	24	05.1	31.58	24	05.8	K5	GC	22362	C -4411020
3	8.8E	8.9Z	35 34.484	-0.0006	12	-48 58 34.58	-0.026	12	0.70	34.491	45	04.6	33.41	45	04.6	K0	CZ	15046	P -48 8649
4	9.8E	9.4Z	35 34.485	0.0014	12	-49 44 46.34	0.001	12	0.70	34.422	45	04.5	46.39	45	04.5		CZ	15044	P -49 9490
5		8.6T	35 40.677	0.0035	18	-44 47 29.04	0.002	17	0.84	40.518	24	04.9	29.14	24	03.8	B9	GC	22365K	C -4411021
6	9.6E	9.8Z	35 41.615	0.0008	12	-45 47 27.01	-0.004	12	0.71	41.576	45	03.6	26.82	45	03.6	G5	CZ	15056	P -45 8080
7	10.3E	9.3Z	35 45.247	0.0020	12	-48 57 10.99	-0.007	12	0.70	45.155	45	04.6	10.69	45	04.6		CZ	15053	P -48 8659
8	9.3E	9.1Z	35 45.457	0.0007	12	-48 45 9.63	-0.013	12	0.70	45.425	45	04.6	9.05	45	04.6	B8	CZ	15054	P -48 8660
9	9.3E	9.0Z	35 45.616	0.0004	12	-46 48 44.08	-0.003	12	0.71	45.589	45	03.6	43.94	45	03.6	B8	CZ	15058	P -46 8110
10	10.3E	9.0Z	35 53.782	-0.0007	12	-40 20 21.14	-0.006	12	0.68	53.818	28	97.5	20.80	28	97.5	F2	CZ	15065	P -40 7404
11	8.8E	8.5Z	35 54.198	0.0008	12	-46 33 7.86	-0.018	12	0.71	54.186	45	03.6	6.82	45	03.6	A3	CZ	15061D	P -46 8112
12	9.3E	9.0Z	35 57.173	0.0019	12	-49 15 10.11	-0.007	12	0.70	57.086	45	04.5	9.80	45	04.5	B3	CZ	15060	P -49 9498
13	9.4E	9.7Z	35 58.529	0.0027	12	-43 46 24.87	-0.013	12	0.72	58.403	45	03.1	24.27	45	03.1	A0	CZ	15063	P -43 7842
14		8.0T	1.223	0.0012	24	-44 40 9.41	-0.580	22	0.92	1.074	24	05.0	8.54	24	05.8	K0	GC	22374	C -4411027
15		8.3T	5.173	0.0015	20	-45 3 5.53	-0.022	20	0.94	5.103	21	03.3	4.49	19	03.1	B8	GC	22376	C -4411028
16	9.1E	8.5Z	36 5.349	0.0001	12	-46 45 53.07	-0.021	12	0.71	5.347	45	03.6	52.10	45	03.6	A0	CZ	15064	P -46 8113
17	9.4E	9.2Z	36 9.657	0.0008	12	-47 0 31.78	0.003	12	0.71	9.651	45	03.6	31.92	45	03.6	G5	CZ	15067	P -46 8115
18	8.9E	9.0Z	36 10.012	0.0008	12	-49 4 46.61	-0.009	12	0.70	9.975	45	04.6	46.22	45	04.6	B9	CZ	15062	P -48 8666
19	10.0E	9.0Z	36 10.236	0.0005	12	-41 35 22.47	-0.008	12	0.74	10.211	45	00.0	22.05	45	00.0	K0	CZ	15071	P -41 7538
20		7.3T	36 14.318	-0.0047	13	-47 41 7.97	-0.057	11	0.66	14.553	22	00.1	4.87	21	95.9	F5	GC	22380K	C -4710824
21	8.3E	8.0Z	36 15.005	-0.0015	12	-47 37 7.56	-0.002	12	0.70	15.073	45	04.6	7.46	45	04.6	G5	CZ	15068	P -47 7810
22	9.4E	9.0Z	36 19.285	0.0006	12	-46 36 36.99	0.027	12	0.71	19.259	45	03.6	36.24	45	03.6	F8	CZ	15070	P -46 8116
23	9.6E	9.0Z	36 23.938	0.0007	12	-41 13 53.74	-0.016	12	0.66	23.902	28	99.1	52.90	26	99.1	A3	CZ	15075	P -41 7540
24	9.6E	9.5Z	36 28.767	0.0013	12	-45 28 24.80	0.000	12	0.71	28.708	45	03.6	24.80	45	03.6	A0	CZ	15073	P -45 8067
25	9.9E	9.8Z	36 31.323	0.0006	12	-46 29 28.29	-0.004	12	0.71	31.298	45	03.6	28.10	45	03.6	A2	CZ	15074	P -46 8119
26	9.1E	8.0Z	36 31.988	-0.0001	12	-48 12 38.28	-0.014	12	0.70	31.934	45	04.6	37.64	45	04.6	M8	CZ	15072	P -48 8676
27	9.6E	9.4Z	36 35.349	-0.0001	12	-41 27 43.26	0.002	12	0.74	35.353	45	00.0	43.34	45	00.0	B9	CZ	15082	P -41 7541
28	10.1E	9.5Z	36 38.135	0.0019	12	-43 47 8.59	0.006	12	0.72	38.046	45	03.1	8.88	45	03.1		CZ	15080	P -43 7643
29	9.4E	9.0Z	36 41.848	-0.0009	12	-49 1 26.87	-0.033	12	0.70	41.289	45	04.6	25.39	45	04.6	F0	CZ	15076	P -48 8678
30	10.4E	9.0Z	36 42.200	0.0007	12	-43 42 19.94	-0.005	12	0.64	42.166	28	01.2	19.70	26	01.2	K2	CZ	15083	P -43 7644
31	9.6E	9.5Z	36 42.982	-0.0002	12	-49 15 8.44	-0.008	12	0.70	42.990	45	04.5	8.09	45	04.5	B8	CZ	15077	P -49 9511
32	9.4E	9.5Z	36 46.414	-0.0080	12	-48 23 30.09	-0.029	12	0.70	46.508	45	04.6	28.77	45	04.6	F0	CZ	15079	P -48 8683
33	8.7E	8.5Z	36 48.288	-0.0007	12	-47 54 23.01	-0.022	12	0.70	48.268	45	04.6	22.01	45	04.6	A0	CZ	15081	P -47 7816
34	9.5E	9.0Z	36 50.081	0.0007	12	-46 35 19.32	-0.006	12	0.71	50.046	45	03.6	19.04	45	03.6	B8	CZ	15084	P -46 8121
35		7.0T	36 50.893	0.0080	12	-44 29 38.13	-0.019	11	0.65	50.789	21	99.0	37.11	19	96.3	K5	GC	22390	C -4411039
36	8.1E	8.0Z	36 53.048	-0.0007	12	-45 51 36.26	-0.045	12	0.65	53.080	31	01.8	34.08	28	01.8	K0	CZ	15086	P -45 8071
37	10.6E	9.7H	36 54.245	-0.0000	12	-44 9 15.25	-0.001	12	0.64	54.245	31	02.5	15.21	28	02.5		CZ	15091	P -44 7998
38		7.3T	36 59.472	0.0013	12	-48 39 34.80	-0.008	10	0.63	59.405	19	99.0	34.38	18	96.0	B5	GC	22397	C -4811056
39	6.5E	7.3H	36 59.478	0.0003	12	-48 39 35.01	-0.021	12	0.64	59.463	31	02.8	34.03	28	02.8	B5	CZ	15085	P -48 8689
40	7.8E	8.0Z	37 0.302	0.0006	12	-47 34 19.54	-0.007	12	0.70	0.276	45	04.6	19.23	45	04.6	A0	CZ	15089D	P -47 7818
41	9.4E	8.9Z	37 10.008	0.0008	12	-43 27 16.68	-0.009	12	0.72	9.973	45	03.1	16.27	45	03.1	A0	CZ	15094	P -43 7645
42	9.8E	9.4Z	37 13.383	0.0003	12	-44 5 52.47	-0.006	12	0.72	13.369	45	03.1	52.20	45	03.1	A0	CZ	15095	P -43 7646
43		7.9T	37 14.003	-0.0016	16	-41 1 49.83	-0.016	12	0.73	14.081	21	02.4	49.02	19	97.9	B8	GC	22406	C -4010594
44		7.4T	37 22.861	-0.0000	14	-47 38 58.90	0.009	10	0.65	22.861	17	01.0	59.37	18	96.2	B8	GC	22411K	C -4710942
45	9.7E	9.3H	37 23.493	0.0010	12	-40 11 54.36	-0.026	12	0.66	23.441	63	98.5	53.00	57	98.5	F8	CZ	15105	P -40 7411
46	9.5E	9.3Z	37 28.767	-0.0006	12	-44 4 0.53	-0.011	12	0.65	28.798	28	00.9	00.00	26	00.9	A0	CZ	15103	P -43 7648
47	10.1E	9.5Z	37 31.074	0.0001	12	-46 16 48.23	-0.013	12	0.71	31.068	45	03.6	47.63	45	03.6	B9	CZ	15101	P -46 8126
48		7.1T	37 33.816	-0.0099	17	-48 40 2.78	-0.013	09	0.68	34.091	19	03.3	2.10	18	97.0	QE5	GC	22418K	C -4811070
49		5.6T	37 35.138	-0.0006	07	-48 40 1.43	-0.003	05	0.30	35.162	14	09.5	1.30	12	03.3	QE5	GC	22419K	C -4811070
50	9.7E	8.9Z	37 36.529	0.0001	12	-40 48 23.50	0.009	12	0.66	36.524	63	98.5	23.94	57	98.5	B8	CZ	15112	P -40 7415
51	10.2E	9.0Z	16 37 37.502	-0.0006	12	-46 49 1.52	-0.019	12	0.71	37.532	45	03.6	0.64	45	03.6	G	CZ	15106	P -46 8127
52	9.5E	9.0Z	37 39.874	0.0007	12	-46 45 42.34	-0.003	12	0.65	39.838	31	01.9	42.19	28	01.9	A	CZ	15109	P -46 8128
53	8.8E	8.5Z	37 40.733	0.0013	12	-48 39 29.31	-0.011	12	0.70	40.674	45	04.6	28.82	45	04.6		CZ	15104	P -48 8705
54	9.9E	9.9Z	37 41.475	0.0003	12	-47 52 22.91	0.002	12	0.70	41.463	45	04.6	22.99	45	04.6	B8	CZ	15107	P -47 7822
55	10.1E	9.0Z	37 43.534	0.0006	12	-48 42 3.35	-0.005	12	0.65	43.506	36	04.6	3.14	36	04.6		CZ	15108	P -48 8706
56		8.1T	37 44.513	0.0020	12	-46 17 21.52	0.014	12	0.65	44.409	19	99.4	22.23	19	98.5	B9	GC	22422	C -4610930
57	9.5E	8.5Z	37 45.282	0.0042	12	-42 25 44.92	-0.013	12	0.65	45.071	28	00.0	44.27	26	00.0	G5	CZ	15113	P -42 7471
58		5.9T	37 52.697	0.0010	11	-49 33 21.05	0.009	06	0.37	52.661	14	13.0	21.45	14	05.7	B1P	GC	22425	C -4910890
59	9.8E	8.0Z	37 54.448	0.0002	12	-41 57 52.85	0.001	12	0.66	54.437	28	99.2	52.91	26	99.2	K5	CZ	15117	P -41 7553
60	9.2E	9.0Z	37 56.320	0.0012	12	-47 19 53.94	0.008	12	0.65	56.263	36	04.6	54.31	36	04.6	A0	CZ	15114	P -47 7825
61	8.8E	9.3Z	38 0.319	0.0007	12	-47 58 4.74	-0.009	12	0.65	0.288	36	04.6	4.32	36	04.6	B9	CZ	15115	P -47 7826
62	9.4E	9.0Z	38 0.995	0.0008	12	-47 27 26.90	0.000	12	0.65	0.960	36	04.6	26.90	36	04.6	B2	CZ	15116	P -47 7828
63		9.3T	38 2.893	-0.0022	20	-44 49 19.23	-0.062	20	0.91	2.989	24	05.6	16.46	24	05.2	K2	GC	22427	C -4411054
64	9.8E	9.0Z	38 9.435	0.0007	12	-47 17 10.58	-0.008	12	0.65	9.401	36	04.6	10.21	36	04.6	B8	CZ	15118	P -47 7829
65	9.2E	8.7Z	38 10.713	0.0009	12	-47 17 5.51	-0.002	12	0.65	10.670	36	04.6	5.42	36	04.6	B8	CZ	15119	P -47 7829
66		7.1T	38 12.209	0.0056	09	-45 16 20.14	-0.107	07	0.39	11.967	15	06.7	15.03	14	02.3	G5	GC	22431	C -4510847
67	10.1E	8.7Z	38 24.662	0.0005	12	-48 28 51.74	-0.003	12	0.65	24.639	36	04.6	51.61	36	04.6	K0	CZ	15122	P -48 8733
68	9.7E	9.0Z	38 24.674	-0.0002	12	-40 22 14.02	-0.009	12	0.86	24.884	63	98.5	13.54	57	98.5	F2	CZ	15121	P -40 7423
69	9.9E	9.2Z	38 32.268	0.0002	12	-48 28 13.14	-0.023	12	0.65	32.260	36	04.6	12.09	36	04.6	A3	CZ	15123	P -48 8736
70	8.6E	8.5Z	38 35.350	-0.0002	12	-46 55 15.40	-0.006	12	0.66	35.362	36	03.2	15.12	36	03.2	B5	CZ	15126	P -46 8138
71	9.7E	9.8Z	38 39.842	-0.0014	12	-46 33 7.43	-0.027	12	0.66	39.905	36	03.2	6.17	36	03.2	F8	CZ	15128	P -46 8139
72	9.1E	8.5Z	38 40.585	0.0004	12	-49 43 18.64	-0.013	12	0.70	40.568	45	04.5	18.05	45	04.5	A0	CZ	15125	P -49 9537
73	9.5E	8.8Z	38 40.679	0.0009	12	-40 50 1.56	-0.001	12	0.86	40.632	63	98.5	1.48	57	98.5	B8	CZ	15132	P -40 7427
74	11.2E	10.0M	38 48.701	0.0021	12	-48 55 40.92	0.002	12	0.65	48.605	36	04.6	41.03	36	04.6	B5	CZ	15129D	P -48 8743
75	9.5E	9.3Z	38 49.432	0.0014	12	-48 55 44.46	-0.022	12	0.65	49.368	36	04.6	43.47	36	04.6	B5	CZ	15130D	P -48 8743
76	9.5E	8.0Z	38 55.147	0.0002	12	-44 0 54.49	-0.009	12	0.67	55.138	36	02.9	54.07	36	02.9	K0	CZ	15134	P -43 7658
77	8.0E	8.0Z	38 55.619	-0.0037	12	-43 39 14.19	-0.034	12	0.67	55.793	36	02.9	12.60	36	02.9	A3	CZ	15135	P -43 7659
78		9.0T	39 0.222	-0.0012	18	-44 35 29.90	-0.047	20	0.91	0.276	21	03.2	27.70	19	03.0	A2	GC	22456	C -4411066
79		9.9T	39 1.074	0.0017	20	-45 29 20.65	-0.017	20	0.91	0.999	24	05.5	19.88	24	05.1	A2	GC	22457	C -4510851
80	9.4E	9.5Z	39 3.814	0.0005	12	-48 49 51.93	-0.019	12	0.65	3.791	36	04.6	51.08	36	04.6	B9	CZ	15133	P -48 8749
81	8.9E	8.5Z	39 9.136	0.0002	12	-42 47 27.48	-0.015	12	0.66	9.123	28	99.2	26.73	26	99.2	A0	CZ	15142	P -42 7476
82	9.7E	9.9Z	39 10.237	0.0004	12	-47 6 45.66	0.002	12	0.65	10.216	36	04.6	45.78	86	04.6	B9	CZ	15138	P -46 8144
83	9.8E	9.0Z	39 10.968	-0.0013	12	-42 1 28.11	-0.016	12	0.75	11.033	45	98.9	25.19	45	98.9	F0	CZ	15147	P -41 7562
84	9.8E	9.7Z	39 13.007	0.0008	12	-47 28 24.59	0.009	12	0.65	12.986	36	04.6	24.99	36	04.6	B	CZ	15140	P -47 7836
85	10.2E	9.6Z	39 13.085	0.0084	12	-47 28 58.72	-0.007	12	0.65	12.977	36	04.6	58.40	36	04.6	F8	CZ	15139	P -47 7837
86	9.6E	9.0Z	39 16.557	-0.0004	12	-47 7 30.92	-0.022	12	0.65	16.577	36	04.6	29.92	36	04.6	F5	CZ	15141	P -46 8146
87	9.4E	9.3Z	39 21.813	0.0010	12	-48 6 1.04	-0.001	12	0.65	21.768	36	04.6	0.99	36	04.6	B5	CZ	15143	P -47 7839
88	9.3E	8.4H	39 23.136	-0.0003	12	-40 11 43.38	-0.035	12	0.86	23.151	63	98.5	41.55	57	98.5	K2	CZ	15156	P -40 7434
89	10.2E	9.5Z	39 23.892	-0.0003	12	-48 40 36.97	-0.026	12	0.65	23.905	36	04.6	35.80	36	04.6	K0	CZ	15145	P -48 8753
90	9.5E	9.0Z	39 24.074	0.0012	12	-46 16 20.62	-0.006	12	0.71	24.017	45	03.6	20.34	45	03.6	A0	CZ	15148	P -46 8150
91	8.7E	8.4H	39 24.432	0.0013	12	-48 46 59.73	-0.012	12	0.62	24.371	28	03.3	59.18	26	03.3	K2	CZ	15146	P -48 8752
92		6.3T	39 24.486	-0.0014	13	-45 58 35.60	-0.018	09	0.63	24.560	18	98.6	34.59	15	94.1	F5	GC	22465	C -4510858
93	8.2E	8.0Z	39 25.882	-0.0003	12	-40 31 35.46	0.001	12	0.86	25.897	63	98.5	35.49	57	98.5	B8	CZ	15158	P -40 7435
94	9.1E	9.0Z	39 26.277	0.0008	12	-49 47 52.67	0.017	12	0.70	26.251	45	04.5	53.45	45	04.5	F5	CZ	15144	P -49 9548
95	9.9E	9.0Z	39 27.256	0.0023	12	-40 39 6.61	-0.025	12	0.86	27.236	63	98.5	5.29	57	98.5	F2	CZ	15159	P -40 7437
96		9.1T	39 27.586	0.0026	14	-46 24 45.68	-0.002	12	0.68	27.448	19	01.7	45.57	19	00.2	B2	GC	22467	C -4610952
97	9.2E	9.5Z	39 28.781	0.0009	12	-48 10 54.31	-0.006	12	0.62	28.739	28	03.3	54.02	26	03.3	B5	CZ	15149	P -48 8756
98	10.0E	9.2Z	39 33.269	-0.0015	12	-47 59 34.92	-0.038	12	0.65	33.318	36	04.6	33.19	36	04.6	K0	CZ	15154	P -47 7844
99		7.2T	39 37.681	0.0007	17	-43 33 32.54	-0.032	17	0.85	37.645	19	01.7	30.97	18	00.9	A0	GC	22470	C -4311037
00	10.9E	9.0Z	39 38.007	-0.0003	12	-42 23 39.58	0.004	12	0.66	38.022	28	99.3	39.78	26	99.3	K2	CZ	15161	P -42 7479

227100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 16H DM NUMBER
1	9.7E	9.4Z	16 39 44.465	0.0004	12	-49 36 21.81	-0.007	12	0.65	44.448	36	04.6	21.49	36	04.6	A0	CZ	15157	P -49 9553
2	9.5E	9.5Z	39 49.834	0.0003	12	-43 22 29.16	-0.006	12	0.73	49.822	45	02.1	28.89	45	02.1	B8	CZ	15164	P -43 7666
3	8.8E	9.4Z	39 52.434	0.0004	12	-46 44 46.33	-0.008	12	0.71	52.418	45	03.6	45.95	45	03.6	B9	CZ	15163	P -46 8156
4	9.9E	9.6Z	39 53.231	0.0005	12	-47 30 22.79	-0.003	12	0.70	53.209	45	04.6	22.66	45	04.6	G5	CZ	15162	P -47 7847
5		8.2T	39 54.539	-0.0040	20	-44 14 43.60	-0.013	22	0.99	54.719	24	04.7	43.01	24	04.4	K5	GC	22473	C -4411074
6	9.8E	8.5Z	39 58.637	0.0006	12	-47 14 33.33	-0.008	12	0.70	58.612	45	04.6	32.97	45	04.6	A0	CZ	15165	P -47 7850
7	10.0E	9.3Z	39 59.055	-0.0001	12	-41 53 32.63	-0.020	12	0.75	59.059	45	98.9	31.61	45	98.9	F5	CZ	15178	P -41 7567
8	9.9E	9.5Z	40 2.222	0.0011	12	-48 24 29.99	0.006	12	0.70	2.173	45	04.6	30.26	45	04.6	A0	CZ	15166	P -48 8764
9	6.7E	7.3Z	40 2.866	-0.0000	12	-47 0 44.31	-0.016	12	0.71	2.867	45	03.6	43.56	45	03.6	B8	CZ	15170	P -46 8158
10		9.5T	40 4.730	0.0028	22	-45 22 11.94	-0.037	26	1.14	4.600	21	03.4	10.20	22	03.2	B0	GC	22474	C -4510869
11	9.8E	10.0Z	40 5.137	-0.0008	12	-46 53 25.97	-0.021	12	0.71	5.177	45	03.6	25.00	45	03.6	A5	CZ	15171	P -46 8159
12	9.9E	9.5Z	40 5.992	0.0008	12	-49 47 19.89	-0.010	12	0.70	5.957	45	04.3	19.44	45	04.5	A0	CZ	15167	P -49 9559
13	9.2E	8.5Z	40 7.771	0.0010	12	-49 23 32.70	-0.014	12	0.70	7.725	45	04.3	32.07	45	04.5	A0	CZ	15169	P -49 9561
14	9.4E	8.0Z	40 8.183	-0.0054	12	-46 37 13.71	-0.025	12	0.71	8.435	45	03.6	12.55	45	03.6	K0	CZ	15177	P -46 8162
15	10.4E	9.9Z	40 10.194	-0.0003	12	-47 25 2.80	0.024	12	0.70	10.210	45	04.6	3.89	45	04.6		CZ	15175D	P -47 7855
16	8.1E	8.0Z	40 10.381	0.0015	12	-48 25 6.78	-0.006	12	0.70	10.313	45	04.6	6.50	45	04.6	A0	CZ	15172	P -48 8766
17	11.4E	10.5H	40 10.796	0.0005	12	-47 25 10.96	-0.009	12	0.70	10.775	45	04.6	10.55	45	04.6		CZ	15176	P -47 7855
18		6.3T	40 17.011	-0.0041	12	-41 1 32.45	-0.017	09	0.60	17.230	21	97.0	31.48	19	91.0	A3	GC	22475	C -4010649
19	9.5E	9.5Z	40 17.642	-0.0008	12	-47 26 29.72	-0.014	12	0.70	17.680	45	04.6	29.08	45	04.6	A2	CZ	15179	P -47 7857
20	10.0E	9.9Z	40 18.627	0.0007	12	-46 43 14.11	-0.001	12	0.71	18.596	45	03.6	14.07	45	03.6	B9	CZ	15180	P -46 8164
21	10.2E	10.0Z	40 24.238	-0.0001	12	-47 21 54.76	-0.003	12	0.70	24.241	45	04.6	54.63	45	04.6		CZ	15182	P -47 7858
22	11.3E	9.8Z	40 25.168	0.0011	12	-47 22 38.53	-0.010	12	0.70	25.121	45	04.6	37.87	45	04.6		CZ	15184	P -47 7860
23		6.2T	40 25.329	-0.0023	12	-41 1 12.41	-0.014	09	0.61	25.453	21	96.7	11.62	19	91.3	B8	GC	22481	C*-4010653
24	9.6E	9.3Z	40 26.079	0.0009	12	-47 22 34.77	0.003	12	0.70	26.041	45	04.6	34.91	45	04.6		CZ	15185	P -47 7860
25	10.1E	9.8Z	40 26.133	0.0005	12	-48 33 43.47	-0.016	12	0.70	26.109	45	04.6	42.73	45	04.6	A2	CZ	15181	P -48 8769
26	8.7E	8.5Z	40 27.972	0.0008	12	-46 2 54.82	0.014	12	0.71	27.933	45	03.6	55.46	45	03.6	B0	CZ	15189	P -45 8100
27	9.3E	9.8Z	40 30.170	0.0002	12	-47 19 9.79	-0.006	12	0.70	30.163	45	04.6	9.52	45	04.6		CZ	15187	P -47 7862
28	9.5E	8.2Z	40 30.346	0.0021	12	-49 40 46.98	-0.009	12	0.70	30.252	45	04.5	46.57	45	04.5	K2	CZ	15183	P -49 9564
29	8.4E	8.5Z	40 36.628	0.0009	12	-46 58 16.50	-0.011	12	0.65	36.582	31	01.8	15.97	28	01.8	B9	CZ	15190	P -46 8171
30	9.7E	9.0Z	40 38.161	0.0007	12	-40 20 28.05	0.012	12	0.68	38.124	28	97.8	28.65	26	97.8	B8	CZ	15198	P -40 7449
31	9.3E	9.0Z	40 38.467	0.0008	12	-41 51 33.78	-0.007	12	0.67	38.424	28	98.1	33.43	26	98.1		CZ	15195	P -41 7570
32	8.6E	9.0Z	40 41.172	-0.0004	12	-43 40 32.72	-0.021	12	0.73	41.191	45	02.1	31.72	45	02.1	A0	CZ	15194	P -43 7672
33		9.4T	40 41.330	0.0001	18	-44 40 45.79	-0.011	18	0.87	41.324	24	03.8	45.30	21	04.4	B8	GC	22492	C -4411081
34	8.9E	8.5Z	40 45.686	0.0003	12	-41 37 54.91	-0.002	12	0.75	45.669	45	98.9	54.81	45	98.9	A0	CZ	15202	P -41 7574
35		7.9T	40 45.841	0.0009	17	-44 17 9.73	-0.034	17	0.86	45.796	19	01.6	8.03	21	99.9	A2	GC	22495	C -4411082
36	9.9E	9.9H	40 46.595	0.0005	12	-45 16 59.92	-0.002	12	0.71	46.574	45	03.6	59.83	45	03.6	A0	CZ	15196	P -45 8104
37	8.7E	8.0Z	40 52.946	0.0004	12	-46 41 36.17	-0.012	12	0.71	52.925	45	03.6	35.62	45	03.6	G5	CZ	15199	P -46 8174
38	10.1E	9.0Z	40 54.284	-0.0009	12	-42 18 11.54	-0.036	12	0.74	54.328	45	00.4	9.76	45	00.4	A	CZ	15204	P -42 7483
39	10.1E	8.5Z	40 54.413	-0.0010	12	-42 17 59.68	-0.039	12	0.74	54.461	45	00.4	57.75	45	00.4	K	CZ	15205	P -42 7482
40	9.7E	9.8Z	40 56.456	-0.0000	12	-47 40 59.05	0.001	12	0.70	56.456	45	04.6	59.09	45	04.6	B8	CZ	15200	P -47 7870
41	9.6E	9.6Z	40 58.134	0.0002	12	-47 55 17.33	-0.003	12	0.70	58.126	45	04.6	17.20	45	04.6	B8	CZ	15201	P -47 7871
42	8.6E	8.5Z	40 59.080	0.0007	12	-46 56 45.46	-0.003	12	0.71	59.045	45	03.6	45.32	45	03.6	B8	CZ	15203	P -46 8177
43	10.1E	9.6Z	41 9.496	-0.0000	12	-43 46 49.66	-0.010	12	0.73	9.496	45	02.1	49.19	45	02.1		CZ	15208	P -43 7677
44	7.6E	7.5Z	41 10.016	-0.0003	12	-47 33 10.23	-0.015	12	0.64	10.032	31	02.5	9.52	28	02.5	K0	CZ	15207	P -47 7873
45	8.5E	8.5Z	41 10.794	0.0008	12	-49 21 22.44	-0.013	12	0.70	10.757	45	04.5	21.87	45	04.5	A2	CZ	15206	P -49 9571
46		5.7T	41 14.357	-0.0023	07	-40 44 51.27	-0.028	05	0.27	14.456	09	07.8	50.03	10	04.9	B3	GC	22505	C*-4010661
47	8.1E	8.0Z	41 18.375	0.0005	12	-46 1 18.90	-0.021	12	0.71	18.351	45	03.6	17.92	45	03.6	A2	CZ	15209	P -45 8107
48	9.4E	8.5Z	41 21.096	0.0002	12	-46 4 43.79	0.001	12	0.71	21.085	45	03.6	43.84	45	03.6	B8	CZ	15211	P -45 8108
49	8.5E	8.7Z	41 22.188	-0.0006	12	-41 49 57.30	-0.021	12	0.75	22.218	45	98.9	56.23	45	98.9	A0	CZ	15216	P -41 7578
50	7.7E	8.0Z	41 27.770	-0.0011	12	-49 31 26.45	-0.034	12	0.64	27.820	31	02.8	24.82	28	02.8	A3	CZ	15210	P -49 9573
51	9.2E	8.8Z	16 41 28.979	0.0008	12	-41 9 53.84	-0.000	12	0.67	28.937	28	98.3	53.82	26	98.3	A0	CZ	15217	P -41 7581
52	9.5E	9.5Z	41 34.569	0.0006	12	-48 15 21.25	-0.009	12	0.70	34.542	45	04.6	20.84	45	04.6	A0	CZ	15215	P -48 8780
53		9.5T	41 36.281	0.0010	18	-44 3 55.27	-0.051	18	0.89	36.232	19	02.8	52.83	18	02.1	A2	GC	22512	C -4311073
54	9.5E	9.0Z	41 37.108	0.0006	12	-41 23 29.30	-0.000	12	0.75	37.077	45	98.9	29.27	45	98.9	B8	CZ	15220	P -41 7582
55	10.3E	9.5*	41 39.522	-0.0018	12	-44 54 50.60	-0.025	12	0.65	39.608	31	01.8	49.41	28	01.8	F2	CZ	15219	P -44 8019
56		9.0T	41 45.848	-0.0005	18	-44 40 20.02	0.009	18	0.91	45.870	29	02.1	20.45	26	03.0	K0	GC	22517	C -4411098
57		9.6T	41 49.257	0.0009	20	-45 35 37.28	0.005	20	0.91	49.219	24	05.6	37.50	24	05.2	A0	GC	22518	C -4510899
58	9.3E	9.0Z	41 53.846	0.0000	12	-42 4 31.21	-0.036	12	0.75	53.845	45	98.9	29.38	45	98.9	A2	CZ	15226	P -41 7585
59	9.4E	9.7Z	41 56.947	-0.0003	12	-47 35 11.60	-0.002	12	0.70	56.961	45	04.6	11.51	45	04.6	B9	CZ	15223	P -47 7882
60	9.6E	9.5Z	42 0.684	0.0006	12	-43 35 5.12	-0.014	12	0.73	0.657	45	02.1	4.46	45	02.1	A0	CZ	15228D	P -43 7682
61	11.9E	10.5H	42 1.005	0.0015	12	-43 34 59.53	0.002	12	0.73	0.935	45	02.1	59.64	45	02.1	A0	CZ	15229D	P -43 7682
62		9.5T	42 5.214	-0.0056	26	-48 4 12.54	-0.033	26	1.18	5.468	21	04.7	11.04	21	04.7	A0	GC	22525	C -4711028
63	9.9E	9.6Z	42 7.621	0.0011	12	-41 31 31.73	-0.014	12	0.75	7.564	45	98.9	31.00	45	98.9	B9	CZ	15232	P -41 7588
64	10.0E	9.5Z	42 7.836	-0.0007	12	-41 11 59.34	-0.011	12	0.75	7.871	45	98.9	58.75	45	98.9	A2	CZ	15234	P -41 7589
65	8.8E	8.0Z	42 8.905	0.0002	12	-46 18 18.73	-0.016	12	0.71	8.895	45	03.6	17.98	45	03.6	A0	CZ	15230	P -46 8196
66	9.5E	9.5Z	42 8.975	0.0003	12	-48 15 27.94	0.001	12	0.70	8.962	45	04.6	27.98	45	04.6	A0	CZ	15227	P -48 8793
67		8.2T	42 15.946	0.0016	20	-43 33 9.17	-0.011	20	0.97	15.867	18	01.5	8.64	18	01.3	+++	GC	22530	C*-4311083
68	9.8E	9.9Z	42 19.128	-0.0001	12	-46 55 52.98	-0.003	12	0.71	19.135	45	03.6	52.84	45	03.6		CZ	15233	P -46 8199
69	10.3E	9.7Z	42 19.267	0.0017	12	-49 4 43.15	0.000	12	0.70	19.190	45	04.6	43.16	45	04.6		CZ	15231	P -48 8794
70	9.7E	9.7Z	42 20.647	-0.0002	12	-45 41 30.68	0.001	12	0.71	20.655	45	03.6	30.73	45	03.6	A0	CZ	15236	P -45 8118
71		7.2T	42 23.708	0.0009	13	-46 23 43.10	0.030	12	0.68	23.666	22	00.9	44.68	21	97.1	G5	GC	22532	C -4611005
72		6.7T	42 26.001	-0.0009	09	-46 26 28.77	-0.045	07	0.35	26.034	09	10.5	26.88	09	08.1	A2	GC	22534	C -4611008
73	9.9E	10.0Z	42 31.016	0.0041	12	-46 54 47.34	0.000	12	0.71	30.823	45	03.6	47.34	45	03.6		CZ	15241	P -46 8206
74	9.6E	9.0Z	42 32.727	-0.0027	12	-47 52 49.32	-0.042	12	0.70	32.851	45	04.6	47.41	45	04.6	F5	CZ	15240	P -47 7888
75	8.8E	9.0Z	42 35.608	0.0011	12	-49 1 4.52	-0.004	12	0.64	35.555	31	02.9	4.34	28	02.9	B9	CZ	15239	P -48 8797
76	10.1E	10.0Z	42 36.373	-0.0004	12	-47 34 10.57	0.003	12	0.70	36.392	45	04.6	10.71	45	04.6		CZ	15242	P -47 7890
77	9.5E	8.3Z	42 42.047	-0.0002	12	-41 7 50.10	-0.015	12	0.75	42.057	45	98.9	49.31	45	98.9	K0	CZ	15248	P -40 7470
78	9.7E	9.3Z	42 42.278	-0.0002	12	-40 26 24.14	-0.007	12	0.86	42.288	63	98.5	23.76	57	98.5	A2	CZ	15250	P -40 7472
79	9.4E	9.0Z	42 43.161	0.0004	12	-43 1 40.09	-0.014	12	0.74	43.143	45	00.4	39.42	45	00.4	A0	CZ	15245	P -42 7495
80	9.3E	9.0Z	42 47.049	0.0001	12	-46 29 33.75	-0.010	12	0.71	47.043	45	03.6	33.28	45	03.6	A0	CZ	15243	P -46 8214
81	9.0E	8.7Z	42 47.383	-0.0000	12	-43 7 24.01	-0.006	12	0.65	47.386	28	00.5	23.73	26	00.5	A0	CZ	15249	P -42 7497
82	9.3E	8.5Z	42 47.609	-0.0016	12	-40 44 52.47	-0.003	12	0.86	47.691	63	98.5	52.30	57	98.5	A0	CZ	15254	P -40 7473
83	10.0E	9.8Z	42 49.680	0.0012	12	-45 18 27.40	-0.004	12	0.71	49.626	45	03.6	27.21	45	03.6	A0	CZ	15246	P -45 8122
84		8.7T	42 51.363	-0.0047	18	-46 59 28.19	-0.016	13	0.80	51.581	24	03.9	27.36	21	98.6	OE	GC	22542	C -4611019
85		9.4T	42 53.252	0.0019	20	-45 40 32.02	-0.021	20	0.91	53.165	24	05.6	31.07	24	05.2	B8	GC	22543	C -4510919
86	10.3E	9.8Z	42 54.270	0.0013	12	-45 32 8.97	-0.001	12	0.71	54.211	45	03.6	8.92	45	03.6	A0	CZ	15253	P -45 8124
87	9.8E	8.5Z	42 54.422	0.0030	12	-46 59 47.42	0.009	12	0.66	54.281	36	03.9	47.84	36	03.9		CZ	15247	P -46 8221
88	9.3E	9.0Z	42 56.902	0.0001	12	-41 9 36.97	-0.007	12	0.75	56.896	45	98.9	36.59	45	98.9	B8	CZ	15256	P -41 7598
89		7.3T	42 57.016	-0.0017	16	-47 0 2.24	-0.023	12	0.73	57.099	21	02.0	1.01	19	96.6	OE	GC	22545	C -4611019
90		7.3T	43 4.258	-0.0009	15	-41 31 14.87	0.001	08	0.65	4.302	22	02.1	14.93	19	91.6	B1	GC	22551	C -4110856
91	9.4E	9.7Z	43 4.428	0.0002	12	-42 12 31.74	-0.014	12	0.74	4.417	45	00.4	31.05	45	00.4		CZ	15260	P -42 7502
92	9.6E	9.0Z	43 11.897	0.0001	12	-47 41 10.92	-0.000	12	0.65	11.893	36	04.6	10.92	36	04.6	A0	CZ	15257	P -47 7896
93	9.8E	8.5Z	43 13.165	-0.0006	12	-47 41 52.13	-0.002	12	0.65	13.193	36	04.6	52.03	36	04.6		CZ	15258	P -47 7898
94	8.5E	8.5Z	43 13.769	0.0006	12	-41 3 38.20	-0.007	12	0.74	13.738	45	99.9	37.83	45	99.9	B5	CZ	15263	P -40 7484
95		8.9T	43 17.247	0.0016	20	-45 47 54.38	-0.052	20	0.95	17.169	21	02.6	51.90	19	02.4	B2	GC	22557	C -4510927
96	9.8E	9.0Z	43 18.248	-0.0003	12	-48 50 30.16	-0.004	12	0.70	18.261	45	04.6	29.99	45	04.6	G0	CZ	15259	P -48 8806
97	8.7E	7.5Z	43 20.736	0.0001	12	-41 23 31.10	-0.000	12	0.70	20.730	36	99.7	31.07	36	99.7	M4	CZ	15266	P -41 7606
98	9.0E	8.5Z	43 21.041	0.0014	12	-40 47 7.33	-0.002	12	0.74	20.970	45	99.9	7.21	45	99.9	A0	CZ	15268	P -40 7487
99	9.9E	9.5Z	43 21.339	0.0009	12	-41 5 1.28	-0.011	12	0.74	21.293	45	99.9	0.71	45	99.9		CZ	15267	P -40 7486
00	9.8E	9.2?	43 33.161	0.0003	12	-43 20 49.00	0.006	12	0.68	33.149	36	01.9	49.30	36	01.9	A2	CZ	15271	P -43 7689

227200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	$\sigma\mu_\alpha$.001	δ_{1950} ° ′ ″	μ_δ ″	$\sigma\mu_\delta$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 16H DM NUMBER
1	10.0E	9.3Z	16 43 34.362	-0.0007	12	-40 52 4.42	-0.028	12	0.74	34.397	45	99.9	3.00	45	99.9	F0	CZ	15275	P -40 7490
2	9.8E	9.0Z	43 39.352	0.0002	12	-45 24 17.20	-0.004	12	0.66	39.344	36	03.2	17.01	36	03.2	B9	CZ	15272	P -45 8131
3	9.7E	9.7Z	43 39.600	0.0008	12	-48 36 29.44	0.008	12	0.70	39.563	45	04.6	29.81	45	04.6	B9	CZ	15269	P -48 8810
4	10.0E	9.3Z	43 40.881	-0.0008	12	-41 11 11.70	-0.014	12	0.70	40.920	36	99.7	10.97	36	99.7		CZ	15279	P -41 7613
5		7.3Y	43 43.636	0.0067	16	-48 13 48.96	-0.002	12	0.74	43.316	22	02.1	48.84	21	97.6	K5	GC	22567	C -4811169
6	8.3E	8.0Z	43 44.631	0.0008	12	-41 31 56.42	-0.009	12	0.67	44.590	26	98.9	55.94	26	98.9	A2	CZ	15281	P -41 7614
7		8.4Y	43 45.398	0.0003	20	-44 37 21.92	0.016	20	0.91	45.383	24	05.5	22.64	24	05.1	K5	GC	22568	C -4411123
8		9.3Y	43 47.722	-0.0003	20	-44 49 1.42	0.007	20	0.91	47.734	24	05.3	1.74	24	05.2	K5	GC	22571	C -4411184
9	8.0E	8.0Z	43 47.936	0.0002	12	-47 30 5.74	-0.005	12	0.62	47.927	28	03.0	5.50	26	03.0	G0	CZ	15274	P -47 7902
10	9.2E	9.0Z	43 49.428	-0.0008	12	-40 28 45.33	-0.030	12	0.84	49.466	63	01.3	43.84	57	01.3	A0	CZ	15286	P -40 7493
11		8.4T	43 50.803	-0.0030	16	-48 15 33.79	-0.033	12	0.75	50.947	22	01.9	32.02	19	96.6	A2	GC	22573K	C*-4811172
12	10.0E	9.6Z	43 51.498	0.0008	12	-43 0 51.46	-0.003	12	0.69	51.461	36	00.8	51.33	36	00.8		CZ	15284	P -42 7511
13		7.3W	43 51.942	-0.0012	17	-48 14 50.36	-0.037	13	0.77	51.998	24	03.3	48.46	21	98.9	A2	GC	22574	C -4811174
14		7.9T	43 52.242	-0.0002	14	-45 22 16.49	0.018	12	0.70	52.252	17	00.6	17.42	18	97.8	B8	GC	22575K	C*-4510941
15		7.7T	43 53.387	0.0008	14	-41 43 12.75	-0.014	10	0.63	53.350	18	02.5	12.02	15	97.7	B2	GC	22576	C -4110875
16	9.6E	9.0Z	43 56.898	0.0006	12	-46 31 4.89	-0.002	12	0.66	56.872	36	03.9	4.79	36	03.9	B6	CZ	15283	P -46 8229
17	9.0E	8.5Z	43 57.170	-0.0014	12	-47 9 30.17	-0.024	12	0.62	57.233	28	03.1	29.04	26	03.1	B9	CZ	15282	P -47 7903
18	9.9E	9.8Z	44 1.521	0.0004	12	-46 56 6.06	-0.003	12	0.66	1.505	36	03.9	5.92	36	03.9		CZ	15285	P -46 8230
19	8.3E	8.0Z	44 1.740	-0.0009	12	-42 47 16.79	0.002	12	0.66	1.783	28	99.2	16.91	26	99.2	B8	CZ	15290	P -42 7512
20	9.1E	9.0Z	44 5.261	-0.0001	12	-47 8 51.01	-0.003	12	0.65	5.283	36	04.6	50.88	36	04.6	B8	CZ	15288	P -47 7906
21	9.4E	9.7Z	44 8.331	0.0019	12	-46 9 41.16	-0.008	12	0.66	8.242	36	03.9	40.79	36	03.9	A0	CZ	15289	P -46 8231
22	9.1E	9.1Z	44 9.385	0.0001	12	-45 38 49.94	-0.008	12	0.66	9.579	36	03.2	49.56	36	03.2	A0	CZ	15292	P -45 8136
23	10.0E	9.3Z	44 10.646	-0.0004	12	-41 36 29.09	-0.039	12	0.74	10.665	45	00.3	27.16	45	00.3		CZ	15297	P -41 7623
24	9.8E	9.6Z	44 11.426	0.0003	12	-45 40 24.60	-0.010	12	0.66	11.411	36	03.2	24.13	36	03.2		CZ	15293	P -45 8137
25		7.4T	44 11.542	0.0022	16	-45 18 6.11	0.013	13	0.75	11.437	22	02.3	6.78	21	98.6	B8	GC	22581	C -4510946
26		8.1T	44 12.717	-0.0007	20	-43 51 0.02	-0.041	16	0.93	12.749	19	02.5	58.03	18	01.4	A0	GC	22582	C -4311112
27	9.4E	9.0Z	44 12.791	0.0009	12	-40 41 35.83	-0.030	12	0.84	12.747	63	01.3	34.35	57	01.3	A0	CZ	15299	P -40 7503
28	8.9E	8.5Z	44 19.493	0.0007	12	-49 45 49.25	-0.017	12	0.70	19.462	45	04.5	48.49	45	04.5	A0	CZ	15291	P -49 9805
29	9.1E	8.7Z	44 21.621	0.0004	12	-41 3 13.35	-0.084	12	0.84	21.601	63	01.3	12.16	57	01.3	B2	CZ	15302	P -40 7505
30	10.4E	9.6W	44 21.713	0.0014	12	-44 23 50.96	-0.008	12	0.65	21.644	31	01.1	50.57	28	01.1		CZ	15300	P -44 8038
31	10.1E	9.4Z	44 22.995	-0.0001	12	-47 9 10.07	-0.009	12	0.65	22.997	36	04.6	9.66	36	04.6		CZ	15298	P -47 7909
32	8.4E	8.0Z	44 24.607	0.0025	12	-40 53 1.04	-0.139	12	0.84	24.485	63	01.3	54.26	57	01.3	F5	CZ	15304	P -40 7506
33		6.9T	44 26.230	-0.0019	16	-45 51 23.35	-0.017	11	0.72	26.319	22	01.6	22.42	21	95.4	F2	GC	22598	C -4511051
34	9.6E	9.7Z	44 34.060	-0.0005	12	-40 15 55.22	-0.011	12	0.84	34.074	63	01.3	54.67	57	01.3	B8	CZ	15310	P -40 7508
35	7.4E	7.7Z	44 36.345	0.0004	12	-47 11 34.34	-0.011	12	0.70	36.325	45	04.6	33.85	45	04.6	B2	CZ	15303	P -47 7911
36		8.2T	44 37.989	-0.0027	20	-44 50 53.30	-0.005	20	0.91	38.107	24	05.5	53.08	24	05.1	K2	GC	22591	C -4411140
37	9.5E	10.0Z	44 38.614	0.0018	12	-46 5 21.63	-0.011	12	0.83	38.528	63	02.5	21.11	57	02.5	A0	CZ	15305	P -45 8146
38	10.3E	8.5Z	44 42.222	-0.0001	12	-46 15 3.89	-0.005	12	0.71	42.225	45	03.6	3.66	45	03.6		CZ	15307	P -46 8238
39	9.8E	9.0Z	44 44.952	0.0005	12	-40 25 3.20	-0.003	12	0.84	44.927	63	01.3	3.03	57	01.3	A0	CZ	15314	P -40 7513
40		9.7T	44 49.439	0.0010	12	-48 58 8.60	-0.020	11	0.63	49.390	24	01.1	7.57	22	98.2	F5	GC	22594	C -4811188
41	9.8E	9.0Z	44 50.126	-0.0001	12	-46 49 41.90	-0.005	12	0.71	50.128	45	03.6	41.67	45	03.6	K0	CZ	15312	P -46 8239
42	8.4E	8.2Z	44 55.351	0.0004	12	-46 14 54.50	-0.003	12	0.71	55.331	45	03.6	54.36	45	03.6	A0	CZ	15313	P -46 8240
43	9.9E	9.9Z	45 0.397	0.0008	12	-47 35 34.09	0.004	12	0.70	0.361	45	04.6	34.26	45	04.6	A2	CZ	15315	P -47 7914
44	10.2E	9.4Z	45 4.465	0.0005	12	-44 30 45.79	-0.012	12	0.72	4.441	45	02.5	45.23	45	02.5		CZ	15320	P -44 8044
45	10.1E	9.0Z	45 4.932	0.0004	12	-49 20 47.23	-0.009	12	0.64	4.911	31	02.8	46.82	28	02.8	A0	CZ	15316	P -49 9614
46	10.0E	9.0Z	45 5.587	0.0008	12	-42 2 34.47	0.009	12	0.74	5.556	45	00.3	34.92	45	00.3		CZ	15323	P -41 7636
47	8.6E	8.5Z	45 5.831	-0.0011	12	-40 34 54.71	-0.029	12	0.67	5.887	28	98.9	53.20	26	98.9	F0	CZ	15324	P -40 7518
48	9.4E	9.0Z	45 8.800	0.0006	12	-47 4 48.75	-0.003	12	0.71	8.774	45	03.6	48.61	45	03.6	B0	CZ	15319	P -46 8242
49	8.0E	8.0Z	45 9.319	-0.0040	12	-46 18 45.29	-0.056	12	0.65	9.510	31	01.8	42.60	28	01.8	F8	CZ	15321	P -46 8244
50	7.6E	8.0Z	45 10.156	-0.0000	12	-48 12 37.85	0.000	12	0.62	10.158	28	02.9	37.85	26	02.9	B8	CZ	15318	P -48 8835
51		7.4T	16 45 16.243	-0.0111	26	-47 37 52.39	-0.030	22	1.14	16.758	21	03.6	50.96	19	02.9	G5	GC	22603	C -4711088
52	9.5E	9.5H	45 22.468	0.0009	12	-40 6 10.94	-0.006	12	0.84	22.425	63	01.3	10.63	57	01.3	F5	CZ	15327	P -39 7112
53	9.9E	9.5Z	45 27.111	-0.0007	12	-41 10 23.34	-0.001	12	0.74	27.146	45	00.3	23.26	45	00.3		CZ	15330	P -41 7643
54	8.6E	8.5Z	45 29.991	0.0016	12	-40 41 17.33	-0.098	12	0.84	29.912	63	01.3	12.54	57	01.3	F0	CZ	15331	P -40 7522
55	9.2E	8.5Z	45 34.939	-0.0005	12	-47 36 3.47	0.007	12	0.70	34.962	45	04.6	3.78	45	04.6	B9	CZ	15326	P -47 7918
56	7.5E	8.0Z	45 37.195	-0.0003	12	-49 53 56.19	-0.016	12	0.62	37.207	28	03.3	55.46	26	03.3	B9	CZ	15325	P -49 9620
57	9.9E	9.5Z	45 41.165	-0.0002	12	-41 52 29.95	0.008	12	0.74	41.174	45	00.3	30.35	45	00.3	A	CZ	15333	P -41 7644
58	8.9E	8.7Z	45 41.714	-0.0004	12	-41 57 52.77	0.003	12	0.74	41.732	45	00.3	52.92	45	00.3	A0	CZ	15334	P -41 7645
59	8.4E	8.5Z	45 41.965	0.0012	12	-48 21 56.32	-0.012	12	0.70	41.911	45	04.6	55.77	45	04.6	B9	CZ	15329	P -48 8841
60	9.6E	8.5Z	45 43.514	0.0009	12	-49 18 52.77	-0.016	12	0.65	43.472	36	04.6	52.06	36	04.6	K2	CZ	15328	P -49 9623
61		7.9T	45 48.617	0.0002	18	-44 54 18.05	-0.003	17	0.86	48.606	19	02.8	17.91	19	02.2	K0	GC	22613	C -4411162
62		9.1T	45 51.671	0.0008	18	-44 7 23.13	-0.001	17	0.85	51.633	24	03.8	23.09	22	03.1	M0	GC	22617	C -4311137
63	9.8E	9.8Z	45 52.104	-0.0015	12	-47 6 43.27	-0.012	12	0.70	52.175	45	04.6	42.72	45	04.6	A0	CZ	15332	P -46 8249
64	7.5E	7.5Z	45 55.911	-0.0008	12	-43 51 28.83	-0.022	12	0.65	55.951	28	00.2	27.75	26	00.2	A0	CZ	15336D	P*-43 7706
65	10.1E	9.9Z	46 5.744	-0.0004	12	-46 16 16.10	-0.002	12	0.71	5.761	45	03.6	16.01	45	03.6	A0	CZ	15339	P -46 8253
66	7.9E	8.5Z	46 6.591	0.0001	12	-47 2 34.98	0.003	12	0.62	6.585	26	01.8	35.14	24	01.8	B5	CZ	15338	P -46 8252
67	10.3E	9.9Z	46 7.422	0.0006	12	-43 57 15.58	-0.011	12	0.73	7.393	45	02.0	15.06	45	02.0		CZ	15342	P -43 7708
68	9.2E	7.8H	46 10.864	0.0011	12	-49 51 44.07	0.008	12	0.70	10.816	45	04.6	44.43	45	04.6	K5	CZ	15337	P -49 9624
69	9.0E	9.9Z	46 13.758	-0.0006	12	-48 6 9.75	0.009	12	0.70	13.788	45	04.6	10.15	45	04.6	A0	CZ	15340	P -47 7921
70	10.0E	8.4H	46 14.950	-0.0010	12	-40 15 17.51	-0.015	12	0.66	15.001	28	99.1	16.72	26	99.1	K5	CZ	15350	P -40 7534
71	9.4E	9.0Z	46 15.804	0.0009	12	-47 19 17.13	-0.007	12	0.70	15.765	45	04.6	16.82	45	04.6	A2	CZ	15343	P -47 7923
72		7.4Y	46 17.149	-0.0034	17	-41 54 57.16	-0.014	12	0.76	17.213	22	02.0	56.43	21	97.8	B2	GC	22623	C -4110985
73	10.2E	9.8Z	46 18.053	-0.0017	12	-47 37 8.42	-0.011	12	0.70	18.131	45	04.6	7.91	45	04.6		CZ	15344	P -47 7925
74		7.2T	46 22.773	0.0014	11	-43 1 14.54	-0.056	11	0.48	22.716	15	09.2	12.20	15	08.0	F0	GC	22626	C -4211574
75	9.3E	9.5H	46 25.115	-0.0007	12	-45 9 2.53	-0.007	12	0.72	25.151	45	02.5	2.19	45	02.5	B3	CZ	15351	P -45 8155
76	10.2E	9.0Z	46 30.370	-0.0006	12	-47 25 0.33	-0.009	12	0.70	30.399	45	04.6	59.92	45	04.6	K0	CZ	15352	P -47 7927
77	8.7E	9.0Z	46 30.867	0.0011	12	-49 20 52.92	-0.047	12	0.70	30.816	45	04.6	50.80	45	04.6	F5	CZ	15347	P -49 9626
78	8.0E	8.0Z	46 31.310	0.0003	12	-41 32 8.29	-0.014	12	0.74	31.294	45	00.3	7.57	45	00.3	B2	CZ	15357	P -41 7651
79	10.2E	9.7Z	46 32.145	0.0008	12	-48 56 7.88	-0.007	12	0.70	32.108	45	04.6	7.57	45	04.6	A0	CZ	15348	P -48 8850
80	7.9E	8.0Z	46 42.271	-0.0002	12	-49 13 18.09	-0.029	12	0.70	42.281	45	04.6	16.80	45	04.6	B9	CZ	15354	P -49 9628
81		7.3W	46 46.377	-0.0017	16	-49 57 36.02	-0.023	12	0.72	46.459	22	02.6	34.81	21	97.4	A5	GC	22633K	C*-4910998
82		7.3W	46 46.643	-0.0023	20	-49 57 32.54	0.002	18	0.87	46.747	24	05.7	32.63	22	05.5	A5	GC	22634K	C -4910998
83	9.9E	9.7Z	46 48.200	0.0012	12	-47 51 30.48	-0.009	12	0.70	48.146	45	04.6	30.06	45	04.6	A3	CZ	15358	P -47 7928
84	10.1E	9.5Z	46 48.787	-0.0003	12	-44 55 6.06	-0.002	12	0.72	48.781	45	02.5	5.97	45	02.5		CZ	15360	P -44 8055
85		9.2T	46 49.427	0.0034	16	-43 56 13.08	-0.055	18	0.88	49.869	24	04.0	10.51	22	03.2	G5	GC	22635	C -4311154
86	10.2E	9.3Z	46 53.011	0.0003	12	-45 8 37.11	-0.007	12	0.72	52.999	45	02.5	36.78	45	02.5	A0	CZ	15363	P -45 8161
87	11.5E	10.0H	46 53.227	0.0001	12	-45 8 44.61	-0.001	12	0.72	53.224	45	02.5	44.56	45	02.5	A0	CZ	15364	P -45 8161
88	9.9E	9.9Z	46 56.608	0.0012	12	-46 33 14.41	-0.008	12	0.71	56.550	45	03.6	14.03	45	03.6		CZ	15365	P -46 8261
89	9.9E	9.4Z	46 57.427	-0.0004	12	-43 13 16.85	-0.011	12	0.73	57.448	45	02.0	16.34	45	02.0		CZ	15367	P -43 7714
90	7.9E	8.0Z	46 59.614	-0.0017	12	-49 7 29.71	-0.058	12	0.70	59.692	45	04.6	27.09	45	04.6	G5	CZ	15361	P -48 8854
91	8.7E	9.0Z	47 1.104	-0.0010	12	-40 40 28.14	-0.028	12	0.84	1.153	63	01.3	26.75	57	01.3	A2	CZ	15371	P -40 7538
92	10.3E	9.0Z	47 9.172	0.0015	12	-45 28 36.36	-0.012	12	0.72	9.102	45	02.5	35.79	45	02.5	F5	CZ	15369	P -45 8164
93	10.7E	9.5Z	47 9.377	0.0011	12	-45 28 24.64	0.007	12	0.72	9.326	45	02.5	24.97	45	02.5	F5	CZ	15370	P -45 8164
94	7.9E	8.5Z	47 12.038	-0.0014	12	-41 22 18.18	-0.020	12	0.66	12.108	28	99.1	17.15	26	99.1	B9	CZ	15376	P -41 7656
95		9.5T	47 15.458	0.0031	12	-43 57 18.72	-0.084	18	0.97	15.317	24	04.8	17.60	22	03.0	A0	GC	22647	C -4311161
96		7.3T	47 23.652	-0.0012	12	-41 44 43.89	-0.014	11	0.64	23.594	21	00.8	43.15	21	97.5	K0	GC	22652	C -4110946
97	10.3E	9.0Z	47 24.245	-0.0022	12	-45 45 4.70	-0.017	12	0.65	24.351	31	01.1	3.86	28	01.1	F5	CZ	15380	P -45 8166
98	8.3E	8.5Z	47 24.308	-0.0010	12	-43 37 17.33	-0.008	12	0.65	24.356	28	00.5	17.14	26	00.5	B8	CZ	15382	P -43 7719
99	8.8E	8.5Z	47 25.859	0.0001	12	-46 51 20.05	0.000	12	0.71	25.857	45	03.6	20.09	45	03.6	A0	CZ	15377	P -46 8265
00	10.3E	9.0H	47 28.242	0.0007	12	-46 43 16.56	-0.001	12	0.71	28.212	45	03.6	16.51	45	03.6	B9	CZ	15378	P -46 8266

227300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 16H DM NUMBER
1	10.5E	9.0Z	16 47 26.928	0.0020	12	-46 43 17.23	0.003	12	0.71	26.833	45	03.6	17.37	45	03.6	B9	CZ	15379	P -46 8266
2	9.8E	10.0Z	47 30.789	0.0009	12	-46 50 10.04	-0.005	12	0.71	30.749	45	03.6	9.81	45	03.6	A0	CZ	15381	P -46 8267
3	9.7E	9.3Z	47 32.616	-0.0000	12	-43 30 46.84	-0.011	12	0.73	32.618	45	02.0	46.33	45	02.0	B9	CZ	15387	P -43 7720
4	9.0E	9.0Z	47 35.770	0.0003	12	-44 45 16.00	-0.008	12	0.65	35.755	31	01.2	15.62	28	01.2	B8	CZ	15389	P -44 8061
5	10.2E	9.0Z	47 36.885	0.0019	12	-45 36 36.51	-0.009	12	0.72	36.793	45	02.5	36.09	45	02.5	F5	CZ	15386	P -45 8169
6	9.7E	9.9Z	47 37.279	0.0011	12	-46 56 16.50	-0.007	12	0.71	37.230	45	03.6	16.17	45	03.6	A0	CZ	15385	P -46 8269
7	10.1E	9.8Z	47 37.983	-0.0011	12	-43 32 50.15	-0.017	12	0.73	38.038	45	02.0	49.36	45	02.0		CZ	15390	P -43 7721
8	9.2E	9.0Z	47 38.733	0.0004	12	-46 6 2.80	0.002	12	0.71	38.715	45	03.6	2.80	45	03.6	B8	CZ	15388	P -45 8168
9	9.1E	8.9Z	47 41.954	-0.0006	12	-42 1 47.44	-0.006	12	0.66	41.983	28	99.1	47.04	26	99.1	G0	CZ	15394	P -41 7663
10		9.8T	47 57.209	0.0000	20	-44 20 35.32	0.020	20	0.91	57.207	24	05.6	36.22	24	05.2	B5	GC	22866	C -4411193
11	9.4E	9.2Z	47 58.805	-0.0003	12	-44 24 33.42	-0.007	12	0.72	58.819	45	02.5	33.10	45	02.5	B8	CZ	15398	P -44 8066
12	11.0E	10.2M	48 0.330	0.0008	12	-44 24 34.45	0.001	12	0.67	0.292	36	02.5	34.50	36	02.5	B8	CZ	15399	P -44 8066
13		5.4T	48 4.180	0.0001	07	-41 8 47.76	-0.002	05	0.28	4.177	12	07.9	47.64	12	01.0	QE	GC	22869	C*-4110957
14		7.4T	48 4.703	-0.0022	14	-49 1 51.88	-0.045	11	0.68	4.812	19	00.0	49.46	18	96.0	F5	GC	22870	C -4811235
15	8.8E	8.7Z	48 5.116	0.0006	12	-41 41 33.81	-0.004	12	0.74	5.085	45	00.3	33.61	45	00.3	B8	CZ	15402	P -41 7666
16	9.2E	9.1Z	48 8.975	0.0010	12	-43 19 15.92	-0.057	12	0.68	8.929	36	02.2	13.21	36	02.2	F8	CZ	15404	P -43 7723
17	10.0E	8.7Z	48 11.932	-0.0034	12	-48 30 18.81	-0.048	12	0.65	12.085	36	04.5	16.62	36	04.5	K5	CZ	15401	P -48 8870
18	9.8E	9.3Z	48 12.546	0.0009	12	-44 56 30.32	-0.003	12	0.67	12.504	36	02.5	30.20	36	02.5		CZ	15405	P -44 8069
19	10.2E	8.0Z	48 13.580	0.0001	12	-42 32 0.28	-0.004	12	0.65	13.574	28	00.1	0.09	24	00.1	K5	CZ	15409	P -42 7534
20	9.8E	9.5Z	48 13.689	0.0004	12	-44 23 7.16	0.000	12	0.67	13.670	36	02.5	7.17	36	02.5	B8	CZ	15407	P -44 8071
21	9.5E	8.7Z	48 25.330	0.0011	12	-48 6 31.21	0.006	12	0.65	25.281	36	04.5	31.48	36	04.5	B	CZ	15408	P -47 7934
22		8.5T	48 26.211	0.0027	20	-45 22 53.21	-0.053	22	0.99	26.589	24	04.7	50.75	24	04.4	F2	GC	22876	C -4511011
23		7.3T	48 37.526	0.0016	18	-40 35 36.40	-0.061	16	0.85	37.453	24	03.1	33.43	22	00.8	K0	GC	22881	C -4010830
24	8.6E	8.5Z	48 39.689	-0.0009	12	-43 27 34.61	-0.019	12	0.63	39.735	26	01.0	33.70	24	01.0	F5	CZ	15415	P -43 7725
25	10.2E	9.7Z	48 41.323	0.0010	12	-48 45 13.71	-0.004	12	0.65	41.277	36	04.5	13.54	36	04.5	B8	CZ	15412	P -48 8876
26	10.2E	9.8Z	48 42.146	0.0005	12	-45 51 15.61	0.004	12	0.67	42.121	36	02.5	15.79	36	02.5	A0	CZ	15414	P -45 8176
27	9.1E	9.0Z	48 47.521	0.0007	12	-41 31 18.33	-0.002	12	0.69	47.486	36	01.1	18.66	36	01.1	B8	CZ	15419	P -41 7672
28		6.6T	48 48.358	-0.0016	15	-41 46 16.53	-0.002	10	0.62	48.437	21	01.3	16.42	21	95.7	OC	GC	22884	C*-4110972
29	8.4E	8.0Z	48 54.097	-0.0018	12	-40 28 54.67	-0.031	12	0.84	54.184	63	01.3	53.14	57	01.3	A0	CZ	15424	P -40 7553
30	9.0E	8.5Z	48 54.964	-0.0021	12	-48 25 8.08	-0.054	12	0.62	55.063	28	03.3	5.55	26	03.3	F5	CZ	15417	P -48 8879
31		6.8T	48 58.593	-0.0046	15	-42 54 32.01	-0.048	11	0.69	58.811	22	02.6	29.49	21	97.2	A0	GC	22892	C -4211609
32		6.6T	48 58.813	-0.0014	11	-40 38 23.28	-0.012	08	0.54	58.888	17	97.7	22.63	15	93.6	B9	GC	22693	C -4010841
33	8.7E	9.3Z	48 59.499	0.0007	12	-48 42 48.46	-0.013	12	0.65	59.466	36	04.5	47.88	36	04.5	B5	CZ	15418	P -48 8880
34	10.1E	9.6Z	49 10.017	0.0007	12	-48 15 24.44	-0.003	12	0.65	9.986	36	04.6	24.30	36	04.6		CZ	15422	P -48 8883
35	9.9E	9.5Z	49 16.192	0.0004	12	-48 23 31.14	-0.001	12	0.65	16.175	36	04.5	31.08	36	04.5	A0	CZ	15426	P -48 8884
36		7.2T	49 16.583	-0.0008	10	-41 42 11.12	0.003	10	0.56	16.627	18	97.2	11.28	17	95.5	B0	GC	22697	C -4110980
37		9.4T	49 20.453	0.0001	26	-46 28 57.01	-0.086	26	1.19	20.451	21	04.1	53.05	21	04.1	F2	GC	22698	C -4611083
38	7.3E	8.0Z	49 21.041	0.0001	12	-47 9 27.56	-0.008	12	0.65	21.036	36	04.5	27.21	36	04.5	B9	CZ	15427	P -47 7936
39	9.2E	9.0Z	49 23.074	0.0014	12	-47 29 56.63	0.006	12	0.62	23.010	28	03.0	56.91	26	03.0	B8	CZ	15429	P -47 7937
40	9.9E	9.0Z	49 25.757	-0.0014	12	-45 18 13.48	0.001	12	0.72	25.825	45	02.5	13.53	45	02.5	F2	CZ	15434D	P*-45 8181
41	8.0E	8.7Z	49 27.103	-0.0004	12	-41 28 58.80	-0.018	12	0.73	27.122	45	02.0	57.92	45	02.0	B2	CZ	15437	P -41 7681
42	9.9E	9.8Z	49 33.388	0.0002	12	-47 16 50.25	-0.004	12	0.65	33.381	36	04.5	50.06	36	04.5	A0	CZ	15435	P -47 7939
43	8.6E	8.5Z	49 36.676	0.0001	12	-41 38 50.13	-0.016	12	0.73	36.670	45	02.0	49.37	45	02.0	B2	CZ	15444	P -41 7684
44		9.7T	49 36.219	0.0008	20	-44 49 31.79	-0.026	20	0.91	38.182	24	05.6	30.63	24	05.2	A0	GC	22707	C -4411226
45	9.5E	8.9Z	49 39.175	0.0005	12	-43 40 1.96	0.005	12	0.73	39.151	45	02.0	2.21	45	02.0	B5	CZ	15442	P -43 7731
46	10.1E	9.9Z	49 39.201	-0.0004	12	-47 34 11.63	-0.001	12	0.70	39.220	45	04.5	11.58	45	04.5	A0	CZ	15436	P -47 7940
47		8.7T	49 43.608	-0.0059	20	-44 13 9.53	-0.020	20	0.95	43.882	21	03.3	8.58	21	02.3	F8	GC	22711	C -4411230
48	8.1E	8.0Z	49 44.513	0.0009	12	-45 22 43.30	0.003	12	0.65	44.471	31	01.2	43.45	28	01.2	B8	CZ	15443	P -45 8182
49	9.2E	9.5Z	49 45.080	-0.0003	12	-41 17 18.91	-0.009	12	0.73	45.094	45	02.0	18.46	45	02.0	B9	CZ	15450	P -41 7685
50	9.6E	9.6Z	49 49.652	-0.0102	12	-46 14 58.23	-0.080	12	0.71	50.124	45	03.6	54.51	45	03.6	G0	CZ	15446	P -46 8277
51	10.0E	10.0Z	16 49 51.028	-0.0013	12	-49 22 27.24	-0.004	12	0.70	50.968	45	04.6	27.08	45	04.6		CZ	15441	P -49 9653
52	9.8E	9.5Z	49 53.065	-0.0170	12	-47 26 57.37	-0.075	12	0.70	53.839	45	04.5	53.96	45	04.5	F8	CZ	15447	P -47 7942
53	9.9E	9.7Z	49 54.126	0.0006	12	-44 26 22.31	-0.006	12	0.72	54.098	45	02.5	22.03	45	02.5	B8	CZ	15452	P -44 8085
54	9.8E	8.5Z	49 55.783	-0.0003	12	-46 47 25.16	-0.017	12	0.71	55.799	45	03.6	24.38	45	03.6	K2	CZ	15449	P -46 8278
55	9.9E	9.5Z	49 56.879	0.0015	12	-44 48 13.05	-0.021	12	0.72	56.808	45	02.5	12.07	45	02.5	A0	CZ	15453	P -44 8087
56	7.6E	7.5Z	49 57.177	0.0005	12	-42 2 22.62	-0.009	12	0.63	57.150	24	00.3	22.18	22	00.3	B0	CZ	15456	P -41 7694
57	10.2E	9.7Z	50 0.205	0.0002	12	-47 19 53.93	0.004	12	0.70	0.198	45	04.5	54.11	45	04.5	A0	CZ	15451	P -47 7943
58		8.6T	50 1.720	0.0026	17	-45 0 29.26	-0.021	16	0.82	1.597	22	02.5	28.24	22	01.7	K0	GC	22722	C*-4411235
59		5.7T	50 9.139	-0.0015	10	-42 58 8.12	-0.028	08	0.53	9.222	21	95.3	6.44	19	89.4	MB	GC	22725	C -4211627
60	9.0E	9.5Z	50 11.587	-0.0002	12	-41 14 46.91	-0.012	12	0.73	11.596	45	02.0	46.32	45	02.0	B8	CZ	15465	P -41 7699
61	8.8E	8.5Z	50 14.653	0.0005	12	-45 56 1.29	-0.012	12	0.65	14.627	31	01.2	0.70	28	01.2	B8	CZ	15461	P -45 8186
62	7.5E	8.0Z	50 15.696	0.0020	12	-46 50 9.70	-0.029	12	0.65	15.598	31	01.8	8.31	28	01.8	B8	CZ	15459	P -46 8281
63	8.4E	8.9H	50 16.440	0.0004	12	-40 14 5.39	-0.005	12	0.84	16.420	63	01.3	5.13	57	01.3	B8	CZ	15468	P -40 7566
64	8.4E	9.0Z	50 20.741	0.0007	12	-41 45 40.46	-0.009	12	0.73	20.706	45	02.0	40.03	45	02.0	B8	CZ	15469	P -41 7702
65	8.6E	8.9Z	50 21.011	0.0001	12	-41 27 49.03	-0.013	12	0.73	21.006	45	02.0	48.38	45	02.0	B8	CZ	15470	P -41 7703
66	10.0E	9.6Z	50 21.115	0.0009	12	-48 50 14.39	-0.008	12	0.70	21.074	45	04.5	14.04	45	04.5	A0	CZ	15460	P -48 8896
67	8.4E	9.0Z	50 21.149	0.0009	12	-41 13 44.90	-0.015	12	0.73	21.105	45	02.0	44.16	45	02.0	B8	CZ	15471	P -41 7704
68	10.2E	9.5Z	50 22.580	-0.0004	12	-48 56 51.64	-0.033	12	0.70	22.598	45	04.5	50.14	45	04.5	G0	CZ	15462	P -48 8897
69	8.3E	8.5Z	50 23.907	-0.0001	12	-41 10 26.20	-0.017	12	0.73	23.911	45	02.0	25.36	45	02.0	B	CZ	15474	P -41 7708
70	7.7E	9.4Z	50 24.570	-0.0004	12	-41 47 59.48	-0.007	12	0.73	28.588	45	02.0	59.16	45	02.0	B	CZ	15473	P -41 7707
71	10.0E	9.5Z	50 26.043	0.0018	12	-46 24 23.91	0.003	12	0.71	25.958	45	03.6	24.04	45	03.6	K5	CZ	15466	P -46 8284
72	9.3E	9.0Z	50 26.249	0.0005	12	-49 7 6.61	-0.007	12	0.70	26.225	45	04.6	6.31	45	04.6	B8	CZ	15464	P -48 8898
73	9.1E	8.5Z	50 26.455	-0.0002	12	-45 59 21.24	-0.018	12	0.72	26.463	45	02.5	20.38	45	02.5	A0	CZ	15467	P -45 8191
74		6.2T	50 27.600	-0.0002	14	-41 54 47.89	-0.019	11	0.66	27.611	21	02.3	46.87	21	96.7	B0	GC	22729	C -4111021
75		4.9T	50 27.727	0.0003	08	-42 16 51.20	-0.005	06	0.46	27.711	14	92.1	50.88	12	87.4	B1P	GC	22730	C*-4211633
76	7.6E	9.5Z	50 29.301	-0.0005	12	-41 38 0.94	-0.011	12	0.73	29.324	45	02.0	0.42	45	02.0	B5	CZ	15478	P -41 7713
77		5.3T	50 30.957	-0.0007	07	-41 43 30.82	-0.009	06	0.29	30.987	12	08.9	30.41	12	04.5	B0	GC	22733K	C*-4111024
78	7.9E	8.3Z	50 32.125	0.0000	12	-40 27 6.30	-0.013	12	0.84	32.124	63	01.3	5.65	57	01.3	B5	CZ	15482	P -40 7569
79	9.7E	9.7Z	50 32.165	0.0022	12	-41 42 33.82	-0.006	12	0.73	32.058	45	02.0	33.53	45	02.0	B	CZ	15480D	P -41 7718
80		7.2T	50 32.609	-0.0021	16	-41 42 37.29	0.008	15	0.77	32.708	22	03.3	37.68	22	00.8	B0	GC	22734K	C -4111025
81		7.6T	50 35.974	0.0024	20	-40 59 54.69	-0.010	17	0.87	35.867	19	04.5	54.25	21	03.2	B3	GC	22735	C -4010884
82		6.8T	50 39.035	-0.0011	15	-41 44 39.16	-0.015	10	0.68	39.089	21	01.7	38.34	19	95.4	B	GC	22736K	C -4111033
83		6.0T	50 40.745	0.0010	13	-41 46 7.40	-0.040	09	0.63	40.897	21	00.8	5.16	21	94.1	B0	GC	22737K	C*-4111036
84	7.5E	9.0Z	50 40.928	-0.0004	12	-41 33 40.14	-0.011	12	0.73	40.946	45	02.0	39.60	45	02.0	B2	CZ	15489	P -41 7732
85	8.5E	9.5Z	50 42.242	-0.0003	12	-41 45 40.46	0.014	12	0.73	42.256	45	02.0	41.13	45	02.0		CZ	15490	P -41 7733
86		6.5T	50 42.402	0.0002	10	-49 37 48.08	-0.009	08	0.41	42.395	15	09.1	47.67	15	05.2	K0	GC	22738	C -4911036
87		7.5T	50 45.859	0.0007	16	-44 48 40.99	-0.061	20	0.89	45.825	24	04.4	38.22	24	04.4	F0	GC	22740	C -4411252
88	8.1E	8.5Z	50 47.348	0.0001	12	-40 54 9.31	-0.020	12	0.84	47.343	63	01.3	8.32	57	01.3	B8	CZ	15495	P -40 7573
89	8.7E	9.0Z	50 48.039	0.0001	12	-41 27 33.55	-0.011	12	0.73	48.034	45	02.0	33.00	45	02.0	B9	CZ	15492	P -41 7740
90		6.7T	50 48.747	-0.0010	13	-41 44 20.88	-0.012	13	0.69	48.797	21	01.7	20.28	21	99.8	OA	GC	22742K	C*-4111041
91	8.7E	9.0Z	50 54.478	-0.0003	12	-40 56 56.82	-0.016	12	0.84	54.492	63	01.3	56.02	57	01.3	B8	CZ	15503	P -40 7576
92		5.8T	50 54.654	-0.0003	07	-42 23 53.31	-0.006	05	0.30	54.667	14	09.2	53.02	14	02.4	F5	GC	22748	C -4211642
93	8.0E	8.0Z	50 54.986	-0.0008	12	-41 45 5.79	-0.003	12	0.73	55.023	45	02.0	5.65	45	02.0	B	CZ	15499D	P -41 7744
94	9.8E	9.2H	50 55.576	0.0005	12	-41 45 2.17	-0.020	12	0.73	55.551	45	02.0	1.21	45	02.0	B	CZ	15500D	P -41 7744
95	8.3E	8.5Z	50 55.645	0.0000	12	-40 34 19.23	-0.020	12	0.84	55.644	63	01.3	18.23	57	01.3	B8	CZ	15505	P -40 7577
96	9.5E	9.7Z	50 57.854	0.0004	12	-46 27 38.40	0.005	12	0.71	57.835	45	03.6	38.64	45	03.6	A2	CZ	15491	P -46 8287
97	9.4E		50 58.892	-0.0007	12	-41 34 25.50	-0.015	12	0.73	58.925	45	02.0	24.76	45	02.0		CZ	15507	P -41 7746
98	9.1E	8.7Z	51 0.340	0.0002	12	-40 36 27.07	-0.001	12	0.84	0.330	63	01.3	27.00	57	01.3		CZ	15510	P -40 7580
99	9.3E	9.4Z	51 0.692	-0.0005	12	-44 21 56.17	-0.010	12	0.72	0.716	45	02.5	55.71	45	02.5	A0	CZ	15501	P -44 8098
00	7.8E	8.5Z	51 1.031	-0.0012	12	-41 43 29.44	-0.011	12	0.73	1.088	45	02.0	28.92	45	02.0	B	CZ	15509	P -41 7749

227400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 16H DM NUMBER
1	9.0E	9.4Z	16 51 2.084	0.0004	12	-40 52 22.54	-0.021	12	0.84	2.004	63	01.3	21.50	57	01.3		CZ	15514	P -40 7581
2		3.7M	51 3.544	-0.0113	05	-42 16 39.86	-0.236	04	0.23	4.072	08	03.3	39.54	08	02.1	KS J	FK3	630	
3	8.1E	8.5R	51 5.662	0.0001	12	-41 20 33.89	-0.014	12	0.65	5.656	28	00.5	33.18	28	00.5	B3	CZ	15515	P -41 7754
4	7.5E	7.5Z	51 7.251	0.0011	12	-43 28 47.21	0.008	12	0.73	7.200	45	02.0	47.58	45	02.0	F8	CZ	15513	P -43 7737
5	9.7E	9.0Z	51 10.211	0.0007	12	-48 32 47.09	-0.002	12	0.70	10.178	45	04.5	46.99	45	04.5	A2	CZ	15498	P -48 8909
6	10.0E	9.8Z	51 10.332	0.0003	12	-48 1 22.09	0.006	12	0.70	10.228	45	04.5	22.45	45	04.5	MA	CZ	15504	P -47 7950
7	8.9E	9.0Z	51 10.880	0.0009	12	-47 17 50.44	0.004	12	0.64	10.780	31	02.5	50.62	28	02.5	B9	CZ	15508	P -47 7951
8	7.9E	8.0Z	51 11.258	0.0017	12	-48 42 29.81	-0.012	12	0.84	11.159	31	02.8	29.28	28	02.8	B9	CZ	15502	P -48 8010
9	9.4E	9.3Z	51 12.148	-0.0001	12	-47 5 1.37	0.005	12	0.81	12.150	63	04.6	1.80	57	04.6	A0	CZ	15508	P -46 8088
10	9.0E	9.0Z	51 13.303	0.0009	12	-42 23 35.45	-0.011	12	0.73	13.259	45	02.1	34.92	45	02.1	A0	CZ	15520	P -42 7951
11	9.7E	9.0Z	51 14.561	-0.0005	12	-47 7 53.11	-0.008	12	0.70	14.577	45	04.5	51.84	45	04.5	A2	CZ	15511	P -47 7952
12	9.3E	9.3Z	51 15.368	0.0001	12	-40 40 37.73	0.001	12	0.84	15.363	63	01.3	37.78	57	01.3		CZ	15524	P -40 7569
13	8.4E	8.4Z	51 15.684	-0.0014	12	-40 48 2.25	-0.006	12	0.84	15.752	63	01.3	1.84	57	01.3	B3	CZ	15525	P -40 7587
14		8.6T	51 16.376	-0.0021	20	-43 24 41.41	-0.009	22	0.98	16.470	24	03.6	40.13	24	05.9	A0	GC	22759	C -4311284
15	9.3E	9.3Z	51 16.386	0.0000	12	-40 41 11.37	-0.002	12	0.84	16.365	63	01.3	11.25	57	01.3		CZ	15528	P -40 7590
16		8.8T	51 16.561	-0.0013	18	-44 59 43.21	-0.036	17	0.85	16.619	24	03.8	41.53	22	03.1	G5	GC	22762	C -4411281
17	9.4E	9.6Z	51 19.913	0.0004	12	-40 33 56.30	-0.011	12	0.84	19.893	63	01.3	55.75	57	01.3		CZ	15530	P -40 7581
18	10.0E	9.5Z	51 21.032	-0.0049	12	-46 40 13.42	-0.047	12	0.71	21.262	45	03.6	11.24	45	03.6		CZ	15518	P -46 8289
19	8.9E	9.5Z	51 21.180	0.0006	12	-47 49 38.23	-0.001	12	0.70	21.153	45	04.5	38.18	45	04.5	B8	CZ	15516	P -47 7953
20	9.4E	9.5Z	51 21.585	0.0002	12	-40 40 43.90	-0.001	12	0.84	21.574	63	01.3	43.83	57	01.3		CZ	15531	P -40 7582
21	10.1E	9.8R	51 24.284	0.0008	12	-44 28 42.61	-0.017	12	0.65	24.265	31	01.2	41.79	28	01.2	K0	CZ	15527	P -44 8103
22	8.8E	9.0Z	51 25.053	0.0002	12	-40 39 8.90	-0.020	12	0.84	25.043	63	01.3	7.91	57	01.3	B8	CZ	15530	P -40 7595
23	10.0E	9.5Z	51 25.155	0.0002	12	-46 42 7.78	-0.013	12	0.71	25.144	45	03.6	7.17	45	03.6	A5	CZ	15522	P -46 8290
24		7.3T	51 26.672	-0.0016	16	-40 26 40.86	0.000	12	0.72	26.953	18	01.0	40.88	17	98.6	B3	GC	22767	C -4010918
25		6.0T	51 28.805	-0.0015	17	-41 4 15.51	-0.014	15	0.80	28.676	17	02.4	14.85	22	01.0	OEP	GC	22768K	C -4010919
26		8.1T	51 28.904	0.0029	20	-44 54 33.43	-0.001	20	0.94	28.767	21	03.3	33.39	19	03.1	OE	GC	22769	C -4411286
27	8.9E	9.0Z	51 28.972	-0.0012	12	-41 0 46.10	-0.042	12	0.84	29.030	63	01.3	44.03	57	01.3	B	CZ	15537	P -40 7598
28		7.7T	51 30.075	0.0015	20	-40 30 2.17	-0.007	16	0.87	30.008	24	04.4	1.81	22	01.5	K5	GC	22770	C -4010920
29	8.7E	8.5Z	51 30.284	0.0004	12	-48 43 29.42	-0.011	12	0.70	30.245	45	04.5	28.93	45	04.5	B3	CZ	15523	P -48 8913
30		6.5T	51 31.771	-0.0013	15	-42 0 38.97	-0.004	13	0.69	31.832	22	04.3	38.78	24	02.6	B0	GC	22771	C -4111088
31	9.6E	9.3Z	51 31.998	0.0012	12	-47 48 15.56	-0.005	12	0.70	31.904	45	04.5	15.33	45	04.5	A2	CZ	15528	P -47 7955
32	9.4E	9.5Z	51 33.362	0.0009	12	-42 43 32.32	-0.009	12	0.73	33.337	45	02.1	31.91	45	02.1	A0	CZ	15539	P -42 7953
33	8.7E	8.5Z	51 36.436	0.0009	12	-46 39 6.54	0.001	12	0.71	36.394	45	03.6	6.59	45	03.6	A2	CZ	15532	P -46 8291
34	9.3E	8.5Z	51 40.235	0.0006	12	-40 14 41.40	0.011	12	0.84	40.206	63	01.3	41.91	57	01.3	B8	CZ	15542	P -40 7604
35	9.3E	9.0Z	51 40.864	0.0009	12	-41 51 53.03	-0.020	12	0.73	40.820	45	02.0	52.07	45	02.0	A0	CZ	15541	P -41 7786
36	9.8E	9.4Z	51 45.649	0.0045	12	-49 18 11.62	-0.092	12	0.62	45.438	28	03.3	7.34	28	03.3	G0	CZ	15534	P -49 9674
37	8.9E	9.0Z	51 50.650	0.0010	12	-41 28 39.21	-0.013	12	0.73	50.608	45	02.0	38.56	45	02.0	B9	CZ	15545	P -41 7767
38	10.1E	9.5Z	51 51.619	0.0009	12	-40 51 21.06	-0.012	12	0.84	51.575	63	01.3	20.46	57	01.3	B8	CZ	15546	P -40 7608
39	10.0E	9.0Z	51 52.372	0.0007	12	-47 22 40.82	0.007	12	0.70	52.343	45	04.5	41.13	45	04.5	K0	CZ	15540	P -47 7956
40	8.4E	8.3M	51 52.852	0.0004	12	-45 15 12.37	-0.009	12	0.65	52.835	31	01.2	11.93	28	01.2	B8	CZ	15543	P -45 8203
41	10.4E	10.2M	51 52.913	0.0011	12	-40 51 26.43	-0.005	12	0.84	52.880	63	01.3	26.17	57	01.3	B8	CZ	15547	P -40 7608
42		6.5I	51 59.822	0.0047	22	-45 1 22.90	-0.089	18	0.96	59.612	24	05.0	21.55	22	03.7	M6E	GC	22786V	C -4411274
43	7.9E	8.0Z	52 0.314	-0.0016	12	-40 53 57.84	-0.051	12	0.84	0.380	63	01.3	55.35	57	01.3	A2	CZ	15551	P -40 7611
44		6.8T	52 1.210	-0.0031	13	-43 14 10.61	-0.011	10	0.63	1.368	18	99.8	10.04	17	96.9	A0	GC	22787	C -4311253
45	9.7E	8.9M	52 1.481	0.0014	12	-48 4 6.87	-0.005	12	0.84	1.398	31	02.5	6.62	28	02.5	B2	CZ	15548	P -47 7956
46	8.8E	8.2Z	52 19.893	0.0001	12	-42 59 30.23	-0.009	12	0.65	19.880	28	00.4	29.80	28	00.4	B9	CZ	15558	P -42 7959
47	8.8E	8.5Z	52 22.019	0.0004	12	-48 57 16.15	-0.019	12	0.84	21.998	31	02.8	15.28	28	02.8	B8	CZ	15552	P -48 8919
48	9.1E	9.4Z	52 24.646	-0.0021	12	-45 37 48.73	-0.025	12	0.72	24.744	45	02.5	47.64	45	02.5		CZ	15556	P -45 8204
49	8.3E	8.5Z	52 25.784	0.0006	12	-40 56 46.64	-0.015	12	0.84	25.754	63	01.3	45.89	57	01.3	B5	CZ	15563	P -40 7615
50		6.7T	52 26.329	0.0016	18	-40 42 1.47	0.021	14	0.80	26.258	24	04.6	2.52	22	00.8	B5	GC	22791	C -4010949
51		8.0T	16 52 30.418	0.0019	16	-47 38 41.79	-0.027	13	0.76	30.327	22	01.8	40.36	21	98.1	A3	GC	22793	C -4711140
52	10.2E	8.5Z	52 30.751	0.0007	12	-47 12 18.20	0.010	12	0.70	30.717	45	04.5	18.65	45	04.5	K2	CZ	15560	P -47 7961
53	7.0E	8.0Z	52 32.449	0.0010	12	-46 46 12.19	0.011	12	0.71	32.401	45	03.6	12.71	45	03.6	B8	CZ	15561D	P -46 8289
54		8.9T	52 33.084	0.0015	20	-44 17 40.30	0.013	20	0.91	33.016	24	05.6	40.89	24	05.2	M0	GC	22795	C -4411285
55	8.2E	9.0Z	52 33.546	0.0009	12	-40 35 38.78	-0.007	12	0.84	33.502	63	01.3	38.42	57	01.3	B5	CZ	15570	P -40 7621
56	9.0E	8.7Z	52 34.241	0.0009	12	-42 18 34.28	-0.004	12	0.73	34.198	45	02.1	34.10	45	02.1	A0	CZ	15568	P -42 7961
57	9.1E	9.0Z	52 35.368	0.0004	12	-45 58 14.53	-0.021	12	0.72	35.348	45	02.5	13.53	45	02.5	A0	CZ	15562	P -45 8205
58	8.9E	9.2Z	52 35.928	0.0002	12	-42 31 27.96	-0.010	12	0.73	35.918	45	02.1	27.49	45	02.1	B9	CZ	15569	P -42 7962
59	9.0E	9.6Z	52 36.110	0.0016	12	-40 42 22.43	0.001	12	0.84	36.032	63	01.3	22.46	57	01.3		CZ	15571	P -40 7623
60	8.4E	8.0Z	52 37.153	0.0014	12	-40 16 13.24	0.003	12	0.84	37.085	63	01.3	13.36	57	01.3	B5	CZ	15572	P -40 7624
61		9.1T	52 38.130	0.0023	20	-44 47 53.69	0.017	20	0.91	38.026	24	05.6	54.46	24	05.2	B5	GC	22798	C -4411287
62	10.7E	9.5Z	52 38.147	-0.0007	12	-44 54 15.35	-0.004	12	0.72	38.180	45	02.5	15.17	45	02.5		CZ	15565	P -44 8113
63	11.1E	9.8M	52 39.149	0.0007	12	-44 54 7.02	-0.011	12	0.72	39.116	45	02.5	6.51	45	02.5		CZ	15566	P -44 8113
64		7.0T	52 46.220	-0.0010	18	-40 34 53.59	-0.010	14	0.76	46.266	24	05.4	53.14	24	02.8	B3	GC	22804	C -4010961
65	8.4E	9.6Z	52 46.506	0.0016	12	-40 34 6.30	-0.003	12	0.84	46.428	63	01.3	6.13	57	01.3		CZ	15575	P -40 7631
66	7.4E	8.0Z	52 48.715	0.0009	12	-40 25 0.85	0.017	12	0.84	48.670	63	01.3	1.67	57	01.3	B5	CZ	15577	P -40 7633
67	9.4E	9.3Z	52 49.280	0.0011	12	-40 36 5.70	-0.003	12	0.84	49.226	63	01.3	5.53	57	01.3		CZ	15578	P -40 7632
68		9.7T	52 49.965	0.0003	20	-44 44 36.30	-0.005	26	1.02	49.950	24	06.0	36.61	24	06.6	F2	GC	22806	C -4411290
69	8.1E	8.0Z	52 57.080	0.0017	12	-46 16 9.88	-0.005	12	0.63	56.997	28	02.5	9.44	28	02.5	A0	CZ	15573	P -46 8302
70	8.8E	8.5Z	53 1.087	0.0004	12	-46 56 28.93	-0.011	12	0.66	1.071	36	03.9	28.42	36	03.9	K5	CZ	15576	P -46 8303
71	10.0E	9.6Z	53 1.936	0.0014	12	-45 39 54.79	-0.011	12	0.67	1.870	36	02.5	54.28	36	02.5		CZ	15579	P -45 8209
72	8.7E	8.5Z	53 3.858	0.0011	12	-43 52 10.67	0.007	12	0.65	3.803	28	00.3	11.05	28	00.3	A3	CZ	15580	P -43 7745
73		6.4T	53 6.857	0.0004	08	-40 44 43.53	-0.010	08	0.36	6.840	14	04.1	43.08	14	00.9	B0	GC	22813	C -4010975
74	9.1E	9.4Z	53 8.425	0.0033	12	-40 29 22.54	0.008	12	0.84	8.284	63	01.3	22.91	57	01.3		CZ	15584	P -40 7640
75	8.6E	8.7Z	53 11.977	0.0014	12	-42 17 7.21	-0.005	12	0.68	11.908	36	01.9	6.97	36	01.9	B5	CZ	15585	P -42 7969
76	9.9E	9.6Z	53 12.618	0.0020	12	-40 30 58.70	0.009	12	0.84	12.520	63	01.3	59.12	57	01.3		CZ	15587	P -40 7644
77	7.9E	8.0Z	53 15.483	0.0004	12	-41 4 35.35	-0.000	12	0.65	15.482	28	99.7	35.34	24	99.7	B5	CZ	15588	P -40 7645
78	8.3E	8.5Z	53 24.008	0.0013	12	-46 3 57.19	-0.005	12	0.67	23.942	36	02.5	56.96	36	02.5	A0	CZ	15586	P -45 8211
79		7.2T	53 26.109	-0.0008	12	-40 28 3.39	0.010	10	0.59	26.146	18	01.4	3.92	17	99.2	B3	GC	22819	C -4010986
80	9.1E	9.5Z	53 29.186	0.0008	12	-42 11 40.50	-0.009	12	0.68	29.127	36	01.9	40.07	36	01.9	A0	CZ	15595	P -42 7974
81	8.8E	8.5Z	53 30.989	0.0005	12	-42 52 16.79	-0.014	12	0.68	30.987	36	01.9	16.14	36	01.9	B3	CZ	15596	P -42 7973
82	10.1E	9.9Z	53 32.201	0.0002	12	-45 47 56.20	-0.005	12	0.67	32.190	36	02.5	55.96	36	02.5	A0	CZ	15590	P -45 8214
83	10.2E	8.5Z	53 32.408	0.0002	12	-46 48 29.69	0.001	12	0.66	32.384	36	03.9	29.73	36	03.9	A0	CZ	15589	P -46 8308
84	10.2E	9.4Z	53 34.004	0.0008	12	-48 32 50.44	0.001	12	0.66	33.979	36	03.9	50.48	36	03.9	G5	CZ	15591	P -46 8308
85	7.8E	8.5Z	53 35.675	0.0007	12	-40 52 40.88	-0.005	12	0.73	35.640	45	01.3	40.62	45	01.3	B5	CZ	15601	P -40 7653
86	9.4E	9.0Z	53 36.187	0.0023	12	-40 20 11.82	0.028	12	0.73	36.075	45	01.3	13.06	45	01.3		CZ	15602	P -40 7654
87	9.4E	9.0Z	53 39.900	-0.0000	12	-43 38 36.19	-0.002	12	0.65	39.901	28	00.8	36.10	28	00.8	B	CZ	15599	P -43 7749
88	9.1E	8.8R	53 40.598	0.0012	12	-45 47 19.26	-0.014	12	0.64	40.538	28	01.5	18.58	28	01.5	B8	CZ	15597	P -45 8215
89	8.8E	9.1M	53 43.684	0.0001	12	-45 8 20.18	-0.014	12	0.67	43.682	36	02.5	19.51	36	02.5	A0	CZ	15600	P -45 8216
90	8.8E	8.5Z	53 44.869	0.0013	12	-42 19 34.41	-0.025	12	0.64	44.824	36	00.8	33.18	24	00.8	A0	CZ	15605	P -42 7976
91	10.0E	9.5Z	53 47.928	0.0014	12	-44 54 16.56	-0.001	12	0.67	47.862	36	02.5	16.53	36	02.5		CZ	15604	P -44 8117
92	10.4E	9.7Z	53 49.315	0.0006	12	-41 38 54.46	-0.015	12	0.65	49.285	28	00.7	53.72	28	00.7		CZ	15606	P -41 7782
93	9.4E	9.5Z	53 49.773	0.0006	12	-49 20 43.29	0.002	12	0.70	49.744	45	04.5	43.39	45	04.5		CZ	15598	P -49 9695
94		8.9T	54 1.808	-0.0087	20	-45 18 11.24	0.097	22	0.98	2.249	24	04.6	13.61	24	04.9	G5	GC	22833	C -4511092
95	8.7E	8.0Z	54 2.787	0.0022	12	-45 53 3.50	0.003	12	0.67	2.681	36	02.5	3.65	36	02.5	B5	CZ	15607	P -45 8219
96	10.0E	9.5Z	54 12.088	-0.0099	12	-43 43 10.81	-0.256	12	0.73	12.371	45	02.0	58.53	45	02.0		CZ	15613	P -43 7751
97	8.4E	8.2Z	54 13.532	0.0008	12	-47 0 47.98	0.007	12	0.63	13.508	28	02.5	48.29	28	02.5	A0	CZ	15610	P -48 8312
98	9.1E	8.5Z	54 15.897	0.0030	12	-45 91 32.94	0.004	12	0.67	15.753	36	02.5	33.13	36	02.5	A0	CZ	15612D	P -45 8225
99	9.8E	9.0Z	54 26.518	0.0003	12	-40 1 35.12	-0.014	12	0.70	26.504	45	04.5	34.90	45	04.5	A0	CZ	15614	P -40 7635
00		8.2T	54 27.751	0.0006	18	-45 54 21.26	-0.004	14	0.82	27.725	24	04.1	21.05	24	99.3	B3	GC	22844	C -4511098

227500

EPOCH 1950												ORIGINAL EPOCH						SP.	SOURCE		-40° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	9.8E	8.5Z	16 54 33.959	0.0018	12	-45 39 18.18	-0.011	12	0.72	33.872	45	02.5	17.65	45	02.5	KO	CZ	15616	P -45 8228		
2	10.2E	9.4H	54 34.795	-0.0010	12	-44 59 46.14	-0.002	12	0.72	34.842	45	02.5	46.06	45	02.5		CZ	15617	P -44 8126		
3	9.3E	9.0Z	54 36.416	0.0010	12	-45 28 23.16	-0.002	12	0.72	36.370	45	02.5	23.07	45	02.5	B9	CZ	15618	P -45 8229		
4		7.3T	54 38.238	0.0002	18	-40 16 35.10	0.026	14	0.82	38.226	18	01.8	36.44	17	99.1	K2	GC	22846	C -4011017		
5	9.9E	9.5Z	54 40.116	0.0001	12	-44 57 6.91	-0.005	12	0.72	40.111	45	02.5	6.69	45	02.5		CZ	15619	P -44 8128		
6	8.3E	8.5Z	54 48.272	0.0009	12	-41 0 0.05	0.009	12	0.84	48.228	63	01.3	0.47	57	01.3	B8	CZ	15625	P -40 7670		
7	8.8E	8.5Z	54 49.953	0.0011	12	-42 55 43.43	-0.006	12	0.65	49.901	28	00.3	43.15	26	00.3	A0	CZ	15624	P -42 7579		
8		7.8T	54 52.893	-0.0014	16	-45 30 37.11	0.009	13	0.76	52.958	22	01.8	37.58	19	97.2	A5	GC	22853	C -4511102		
9	9.6E	9.3Z	54 55.082	0.0008	12	-43 47 37.09	-0.009	12	0.73	55.044	45	02.0	36.66	45	02.0	A0	CZ	15626	P -43 7756		
10	10.5E	9.9Z	54 55.399	0.0001	12	-47 35 55.52	0.003	12	0.70	55.394	45	04.6	55.65	45	04.6	A2	CZ	15622	P -47 7975		
11	9.9E	8.5Z	54 55.645	0.0008	12	-48 45 12.72	-0.013	12	0.70	55.608	45	04.5	12.15	45	04.5	G0	CZ	15620D	P*-48 8043		
12	10.1E	9.7Z	54 58.655	0.0003	12	-45 21 29.58	-0.010	12	0.72	58.642	45	02.5	28.90	45	02.5		CZ	15627	P -45 8231		
13	11.0E	9.6*	55 4.878	-0.0005	12	-44 19 44.16	-0.003	12	0.65	4.903	31	01.2	44.02	28	01.2		CZ	15630	P -44 8130		
14	7.7E	8.0Z	55 10.831	-0.0002	12	-49 40 5.88	-0.015	12	0.64	10.839	31	02.8	5.18	28	02.8	B8	CZ	15628	P -49 9705		
15	9.5E	9.0Z	55 12.336	-0.0013	12	-48 21 44.37	-0.028	12	0.64	12.398	31	02.8	43.04	28	02.8	F8	CZ	15629	P -48 8944		
16	10.2E	9.9Z	55 14.241	0.0009	12	-46 57 52.21	0.003	12	0.71	14.202	45	03.6	52.35	45	03.6	A0	CZ	15632	P -46 8317		
17	8.1E	8.0Z	55 16.160	0.0002	12	-46 3 11.84	0.000	12	0.63	16.148	26	01.2	11.84	24	01.2	B8	CZ	15634	P -45 8234		
18		6.9T	55 18.115	-0.0003	16	-48 47 58.59	0.015	11	0.71	18.129	22	02.8	59.39	21	97.0	A5	GC	22863	C*-4811339		
19	8.4E	8.0Z	55 20.682	0.0017	12	-41 20 25.80	-0.003	12	0.65	20.598	28	00.5	25.63	26	00.5	F0	CZ	15638	P -41 7790		
20	9.6E	9.0Z	55 25.070	-0.0007	12	-43 56 2.07	-0.012	12	0.65	25.105	28	00.5	1.48	26	00.5	F0	CZ	15637	P -43 7760		
21	9.3E	9.0H	55 25.392	-0.0002	12	-45 13 35.25	-0.009	12	0.72	25.404	45	02.5	34.82	45	02.5	A0	CZ	15636	P -45 8235		
22	9.4E	9.0Z	55 28.705	0.0004	12	-46 52 29.01	-0.006	12	0.71	28.669	45	03.6	28.73	45	03.6	G5	CZ	15635	P -46 8319		
23	9.6E	9.5Z	55 37.779	0.0003	12	-45 17 26.70	-0.007	12	0.72	37.766	45	02.5	26.37	45	02.5	A0	CZ	15639	P -45 8236		
24	9.4E	9.0Z	55 42.623	0.0002	12	-41 56 58.61	-0.012	12	0.73	42.613	45	02.0	58.04	45	02.0	A0	CZ	15643	P -41 7795		
25	9.3E	9.0Z	55 43.567	0.0015	12	-40 22 7.64	0.017	12	0.66	43.490	28	99.2	8.48	26	99.2	A0	CZ	15645	P -40 7680		
26	9.1E	8.5Z	55 46.575	0.0009	12	-45 48 33.70	0.002	12	0.72	46.531	45	02.5	33.80	45	02.5	B8	CZ	15641	P -45 8238		
27	8.2E	8.0Z	55 49.538	0.0003	12	-41 19 47.87	-0.007	12	0.73	49.523	45	02.0	47.51	45	02.0	B9	CZ	15648	P -41 7796		
28		8.8T	55 49.591	-0.0033	20	-44 6 25.96	-0.028	20	0.91	49.736	24	05.5	24.71	24	05.1	MB	GC	22873	C -4311291		
29	9.8E	9.5Z	55 54.899	0.0002	12	-47 12 27.14	-0.009	12	0.70	54.888	45	04.6	26.73	45	04.6	A0	CZ	15644	P -47 7982		
30	7.5E	8.0Z	55 58.918	0.0006	12	-46 24 28.36	0.019	12	0.65	58.878	31	01.8	29.28	28	01.8	B3	CZ	15646	P -46 8324		
31	8.6E	8.2Z	56 5.422	-0.0034	12	-41 12 36.10	-0.025	12	0.73	5.585	45	02.0	34.88	45	02.0	F5	CZ	15650	P -41 7799		
32	8.5E	8.5Z	56 12.018	0.0006	12	-41 54 14.49	0.002	12	0.73	11.988	45	02.0	14.59	45	02.0	B9	CZ	15655	P -41 7801		
33	7.7E	8.0Z	56 13.389	0.0001	12	-46 14 33.52	0.009	12	0.71	13.383	45	03.6	33.95	45	03.6	B3	CZ	15649	P -46 8327		
34	9.0E	8.5Z	56 13.941	-0.0037	12	-41 25 43.46	-0.028	12	0.73	14.118	45	02.0	42.10	45	02.0	F5	CZ	15656D	P*-41 7802		
35		9.5T	56 15.727	0.0015	22	-44 2 54.13	0.001	26	1.06	15.661	24	06.7	54.18	26	07.5	G5	GC	22883	C -4411300		
36		9.1T	56 15.790	0.0010	22	-43 54 45.52	0.009	22	1.01	15.745	24	06.7	45.92	24	05.9	B	GC	22884	C -4311302		
37	9.3E	8.0Z	56 16.205	0.0022	12	-41 33 9.89	-0.000	12	0.73	16.099	45	02.0	9.87	45	02.0	K5	CZ	15657	P -41 7803		
38		8.8T	56 17.018	-0.0024	20	-45 37 25.33	-0.015	22	0.96	17.121	24	06.0	24.67	24	05.9	A3	GC	22885	C -4511118		
39	8.2E	8.0Z	56 22.729	0.0013	12	-43 8 47.71	-0.015	12	0.65	22.667	28	00.5	46.98	26	00.5	B5	CZ	15658	P -43 7769		
40	9.1E	8.5Z	56 28.244	-0.0009	12	-49 2 22.55	-0.030	12	0.70	28.285	45	04.5	21.20	45	04.5	A0	CZ	15654	P -48 8955		
41		6.6T	56 36.250	-0.0015	10	-44 54 50.32	-0.022	09	0.43	36.314	14	06.1	49.33	14	04.8	A5	GC	22893	C -4411339		
42		6.1T	56 40.228	-0.0002	17	-48 34 22.38	-0.078	09	0.69	40.237	19	01.9	18.08	18	94.7	G5	GC	22895K	C*-4811360		
43	8.9E	9.0Z	56 40.263	0.0009	12	-49 10 48.74	0.005	12	0.64	40.220	31	02.9	48.99	28	02.9	B0	CZ	15659	P -49 9714		
44	9.8E	9.0Z	56 42.787	0.0009	12	-48 55 48.96	-0.002	12	0.70	42.745	45	04.5	48.88	45	04.5		CZ	15661	P -48 8958		
45	9.5E	9.0Z	56 47.844	0.0010	12	-48 5 59.77	-0.018	12	0.70	47.799	45	04.5	58.94	45	04.5	G5	CZ	15663	P -47 7991		
46	9.1E	9.5Z	56 52.871	0.0007	12	-42 14 35.62	-0.016	12	0.73	52.836	45	02.1	34.65	45	02.1	B0	CZ	15669	P -42 7590		
47		6.5T	56 53.150	-0.0003	15	-45 22 41.20	-0.000	12	0.70	53.165	19	01.1	41.19	18	98.0	K2	GC	22897	C -4511123		
48	10.5E	9.9Z	56 55.683	-0.0009	12	-47 26 25.32	0.004	12	0.70	55.726	45	04.6	25.52	45	04.6		CZ	15666	P -47 7992		
49		9.5T	57 0.061	-0.0030	26	-47 55 18.60	0.036	26	1.18	0.197	21	04.7	20.22	21	04.7	A0	GC	22902	C -4711196		
50		8.4T	57 25.390	-0.0027	20	-44 57 11.17	-0.063	20	0.91	25.508	24	05.5	8.35	24	05.1	K0	GC	22914	C*-4411348		
51	9.8E	9.6H	16 57 30.267	0.0007	12	-45 8 27.56	0.007	12	0.72	30.236	45	02.5	27.89	45	02.5	G0	CZ	15672	P -45 8253		
52		7.3T	57 34.056	-0.0012	16	-41 59 56.28	-0.026	12	0.75	34.117	18	00.4	54.90	17	97.0	B8	GC	22920	C -4111171		
53	9.9E	9.6Z	57 36.089	-0.0002	12	-45 22 26.99	-0.004	12	0.72	36.100	45	02.5	26.80	45	02.5	A0	CZ	15674	P -45 8255		
54	9.7E	8.5Z	57 41.867	-0.0057	12	-43 34 10.75	-0.092	12	0.73	42.143	45	02.0	6.35	45	02.0	G5	CZ	15677	P -43 7780		
55	8.8E	8.9H	57 46.702	0.0002	12	-45 11 34.25	-0.015	12	0.72	46.695	45	02.5	33.54	45	02.5	A0	CZ	15679	P -45 8259		
56	9.0E	8.8Z	57 55.994	-0.0007	12	-47 16 56.37	-0.002	12	0.62	56.029	28	03.0	56.27	26	03.0	A0	CZ	15680	P -47 7999		
57	9.7E	9.6H	58 1.630	0.0006	12	-45 11 15.24	-0.001	12	0.65	1.605	36	04.9	15.19	36	04.9	A0	CZ	15682	P -45 8262		
58	9.7E	9.0Z	58 8.290	-0.0014	12	-47 6 52.44	0.001	12	0.65	8.351	36	04.5	52.49	36	04.5	F5	CZ	15683	P -46 8351		
59		9.0T	58 13.685	-0.0020	20	-44 26 47.19	-0.033	20	0.95	13.978	21	02.7	45.63	19	02.5	F8	GC	22929	C -4411356		
60	8.8E	8.5Z	58 13.918	-0.0001	12	-44 52 42.42	-0.004	12	0.67	13.923	36	02.5	42.24	36	02.5	A0	CZ	15685	P -44 8156		
61	9.9E	9.4H	58 21.534	-0.0007	12	-45 10 3.21	0.015	12	0.65	21.567	36	04.9	3.89	36	04.9	G0	CZ	15688	P -45 8265		
62	8.0E	8.5Z	58 26.087	0.0020	12	-41 7 57.32	-0.001	12	0.68	25.991	36	01.8	57.25	36	01.8	B5	CZ	15691	P -41 7818		
63	8.6E	8.5Z	58 34.038	0.0012	12	-48 50 48.91	-0.016	12	0.65	33.983	36	04.5	48.19	36	04.5	A0	CZ	15690D	P*-48 8968		
64	9.7E	8.5Z	58 40.398	0.0007	12	-42 33 23.54	-0.010	12	0.64	40.362	26	00.6	23.05	24	00.6	K2	CZ	15695	P -42 7598		
65		8.2T	58 42.112	0.0013	20	-44 50 35.86	-0.025	22	0.99	42.051	24	04.7	34.73	24	04.4	K0	GC	22944	C -4411364		
66	9.2E	9.0Z	58 43.187	-0.0015	12	-46 42 19.47	-0.023	12	0.61	43.259	28	03.8	18.41	26	03.8	F2	CZ	15692	P -46 8354		
67	9.4E	9.0Z	58 46.166	0.0009	12	-40 54 28.93	-0.012	12	0.84	46.122	63	01.3	28.32	57	01.3	F5	CZ	15698	P -40 7691		
68	9.2E	8.5Z	58 47.788	-0.0025	12	-46 30 48.29	0.008	12	0.64	47.901	36	05.6	48.64	36	05.6	G0	CZ	15694	P -46 8355		
69	8.4E	8.5Z	58 49.553	0.0005	12	-46 25 6.45	-0.005	12	0.64	49.530	36	05.6	6.23	36	05.6	A0	CZ	15696	P -46 8356		
70	9.0E	9.0Z	58 57.550	-0.0017	12	-41 14 50.21	-0.025	12	0.65	57.634	28	00.1	48.94	26	00.1	F8	CZ	15700	P -41 7825		
71	10.0E	9.0Z	58 58.701	0.0010	12	-43 51 59.58	0.007	12	0.63	58.652	26	00.9	59.94	24	00.9	G0	CZ	15699	P -43 7798		
72		6.8T	59 10.019	0.0000	13	-44 46 58.39	-0.004	11	0.67	10.017	21	98.4	58.18	19	94.3	K0	GC	22958	C -4411371		
73	9.6E	9.0Z	59 13.809	-0.0019	12	-47 17 34.34	-0.058	12	0.65	13.897	36	04.5	31.71	36	04.5	F5	CZ	15701	P -47 8010		
74	8.4E	8.0Z	59 14.493	-0.0019	12	-46 40 49.91	-0.034	12	0.64	14.575	36	05.6	48.40	36	05.6	F0	CZ	15703D	P*-46 8360		
75	8.1E	8.5Z	59 16.663	0.0005	12	-40 50 29.38	0.023	12	0.84	16.638	63	01.3	30.48	57	01.3	B3	CZ	15709	P -40 7694		
76	9.0E	9.0Z	59 18.240	0.0011	12	-41 18 5.26	-0.011	12	0.73	18.186	45	01.4	4.70	45	01.4	A0	CZ	15710	P -41 7828		
77	8.9E	8.0Z	59 18.338	0.0001	12	-46 6 59.91	0.004	12	0.61	18.331	28	03.7	+ 0.09	26	03.7	K0	CZ	15705D	P*-46 8362		
78		9.0T	59 22.753	0.0022	20	-44 22 27.94	-0.030	20	0.91	22.654	24	05.6	26.60	24	05.1	A2	GC	22965	C -4411373		
79		6.8T	59 26.917	0.0021	17	-48 15 58.94	0.045	18	0.90	26.817	18	02.1	+ 1.29	18	97.6	K0	GC	22966	C -4811389		
80	8.7E	8.5Z	59 27.161	0.0005	12	-45 20 15.92	-0.013	12	0.63	27.139	31	03.5	15.31	28	03.5	B8	CZ	15711	P -45 8276		
81	9.4E	9.0Z	59 40.348	0.0006	12	-47 27 46.50	-0.005	12	0.70	40.322	45	04.6	46.27	45	04.6	B8	CZ	15712	P -47 8012		
82		9.3T	59 43.113	0.0023	20	-44 22 49.11	-0.024	20	0.93	43.007	24	04.6	48.01	24	04.2	K0	GC	22974	C -4411379		
83	10.1E	9.2Z	59 44.411	0.0008	12	-40 12 33.90	-0.023	12	0.67	44.370	28	98.9	32.70	26	98.9		CZ	15720	P -40 7698		
84	9.6E	8.5Z	59 47.028	0.0002	12	-46 23 0.60	-0.026	12	0.68	47.010	45	07.1	-59.49	45	07.1	G5	CZ	15713	P -46 8367		
85	9.8E	9.5Z	59 48.749	-0.0011	12	-44 9 33.31	-0.004	12	0.72	48.801	45	02.5	33.13	45	02.5	A0	CZ	15718	P -44 8180		
86	10.3E	9.4Z	59 53.865	0.0011	12	-46 31 38.98	-0.055	12	0.68	53.816	45	07.1	36.61	45	07.1	F8	CZ	15714	P -46 8368		
87		7.4T	59 54.193	0.0005	15	-40 1 3.28	-0.048	13	0.73	54.171	21	01.7	0.83	19	98.5	A5	GC	22976	C -3911055		
88		6.3T	59 58.251	0.0006	17	-47 5 25.24	0.029	13	0.77	58.224	21	03.3	26.71	21	99.0	A2	GC	22977K	C -4611191		
89	9.9E	8.5Z	59 58.539	-0.0014	12	-45 27 22.11	0.002	12	0.69	58.602	45	06.1	22.20	45	06.1	F5	CZ	15721	P -45 8278		
90		7.9T	17 0 19.117	0.0032	16	-44 4 47.25	-0.011	11	0.71	18.964	22	02.8	46.68	21	97.4	B8	GC	22986	C -4311366		
91	8.7E	8.5Z	0 19.248	0.0012	12	-47 22 13.59	0.001	12	0.70	19.192	45	04.6	13.63	45	04.6	B5	CZ	15723	P -47 8014		
92	9.4E	9.5Z	0 21.561	0.0004	12	-49 15 3.51	0.012	12	0.64	21.542	31	02.8	4.09	28	02.8	B8	CZ	15722	P -49 9737		
93	10.8E	8.5Z	0 26.644	0.0008	12	-42 53 58.11	-0.003	12	0.65	26.616	28	99.9	57.98	26	99.9	MA	CZ	15726	P -42 7608		
94	10.8E	9.0Z	0 30.431	0.0007	12	-42 4 9.24	0.001	12	0.65	30.396	28	00.1	9.29	26	00.1		CZ	15729	P -41 7837		
95		7.4T	0 36.747	0.0037	20	-45 10 18.04	0.013	20	0.91	36.583	24	05.5	18.62	24	05.1	K0	GC	22997	C -4511176		
96		9.4T	0 43.431	0.0026	20	-44 49 35.60	-0.042	20	0.91	43.314	24	05.5	33.72	24	05.1	A2	GC	23000	C -4411391		
97		7.5T	0 55.628	0.0107	15	-43 14 21.65	-0.173	13	0.73	55.100	18	00.6	12.74	18	98.4	G0	GC	23005	C -4311380		
98	10.0E	9.3Z	1 1.071	0.0003	12	-49 14 29.73	-0.003	12	0.70	1.057	45	04.5	29.61	45	04.5	A0	CZ	15732	P -49 9747		
99		7.5T	1 19.232	-0.0012	15	-46 54 9.56	-0.034	10	0.68	19.290	22	02.4	7.72	21	96.2	B9	GC	23013	C -4611200		
00	8.2E	8.0Z	1 19.551	-0.0003	12	-47 10 14.98	-0.108	12	0.70	19.567	45	04.6	10.07	45	04.6	G0	CZ	15737D	P*-47 8019		

227600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' .001"	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 17H DM NUMBER
1		6.4T	17 1 25.842	-0.0029	14	-45 25 59.37	-0.017	12	0.68	25.982	18	01.7	58.47	21	97.1	A2	GC	23016	C -4511188
2	8.9E	8.5Z	1 27.400	0.0009	12	-48 22 15.37	-0.013	12	0.70	27.359	45	04.5	12.77	45	04.5	B5	CZ	15739	P -48 9986
3	10.3E	9.8Z	1 34.463	0.0004	12	-44 59 4.07	0.004	12	0.72	34.444	45	02.5	4.27	45	02.5	A2	CZ	15745	P -44 8204
4		7.3T	1 35.613	0.0021	16	-47 0 2.48	0.015	13	0.76	35.510	19	00.6	3.26	18	97.4	B2	GC	23022	C -4611203
5	9.8E	9.0Z	1 37.498	0.0005	12	-46 5 0.96	0.008	12	0.68	37.475	45	07.1	1.30	45	07.1	B5	CZ	15746	P -45 8296
6	9.4E	9.4Z	1 39.258	0.0005	12	-47 37 58.77	-0.013	12	0.70	39.236	45	04.6	58.17	45	04.6	G0	CZ	15743	P -47 8084
7	9.3E	9.1Z	1 40.712	0.0000	12	-40 38 0.76	0.010	12	0.67	40.712	28	98.9	1.25	28	98.9	A0	CZ	15749	P -40 7709
8	8.8E	8.5Z	1 42.443	0.0023	12	-41 9 51.14	-0.009	12	0.65	42.328	28	99.9	50.67	28	99.9	F8	CZ	15751	P -41 7844
9		8.8T	1 42.844	0.0005	20	-44 54 57.89	-0.070	20	0.94	42.819	21	03.3	54.62	19	03.1	K2	GC	23030	C -4411414
10		8.0T	1 44.863	-0.0024	22	-44 19 28.90	-0.025	26	1.06	44.985	24	06.7	27.84	26	07.5	A0	GC	23032	C -4411418
11	8.8E	8.0Z	1 49.903	0.0012	12	-41 2 12.52	0.017	12	0.84	49.845	63	01.3	13.33	57	01.3	F5	CZ	15753	P -40 7711
12	8.8E	8.5Z	1 57.616	-0.0020	12	-42 21 8.87	-0.030	12	0.65	57.717	28	00.2	7.38	28	00.2	A0	CZ	15754	P -42 7816
13	10.3E	9.2Z	2 7.186	0.0002	12	-46 2 1.98	-0.012	12	0.63	7.176	31	03.5	1.42	28	03.5	A2	CZ	15755	P -45 8302
14	8.8E	9.0Z	2 7.768	0.0018	12	-48 57 58.91	-0.009	12	0.64	7.683	31	02.8	58.50	28	02.8	B9	CZ	15752	P -48 9980
15		6.4T	2 11.877	0.0026	12	-44 2 16.81	0.019	09	0.59	11.744	18	99.3	17.87	17	94.0	A3	GC	23038	C -4311396
16	8.4E	8.5Z	2 20.320	0.0003	12	-48 21 5.46	0.002	12	0.64	20.307	31	02.8	5.55	28	02.8	B0	CZ	15756	P -48 9995
17		7.7T	2 23.514	0.0020	20	-44 18 20.42	-0.011	22	1.02	23.418	21	02.6	19.90	19	02.8	A0	GC	23042	C -4411432
18	9.7E	9.7Z	2 26.121	0.0004	12	-47 21 8.33	-0.007	12	0.70	26.105	45	04.6	8.01	45	04.6	A2	CZ	15758	P -47 8030
19	10.0E	9.8Z	2 38.266	0.0008	12	-49 15 19.81	-0.001	12	0.64	38.217	31	02.8	19.78	28	02.8		CZ	15760	P -49 9750
20	9.2E	8.0Z	2 39.027	0.0016	12	-45 59 8.11	-0.035	12	0.69	38.955	45	06.1	6.57	45	06.1	K0	CZ	15762	P -45 8306
21	9.3E	8.0Z	2 43.452	0.0035	12	-47 46 41.49	-0.064	12	0.70	43.294	45	04.6	38.57	45	04.6	G0	CZ	15763	P -47 8033
22		8.4T	2 47.750	0.0009	20	-44 30 18.18	0.019	20	0.91	47.708	24	05.6	19.04	24	05.2	B8	GC	23053	C -4411436
23	9.9E	9.0Z	2 54.404	0.0009	12	-46 5 14.06	-0.003	12	0.68	54.365	45	07.1	14.19	45	07.1	B8	CZ	15767	P -45 8311
24	9.8E	8.5Z	2 54.773	-0.0012	12	-47 47 5.91	-0.034	12	0.65	54.828	36	04.6	4.36	36	04.6	G0	CZ	15764	P -47 8035
25	9.1E	8.0Z	2 55.196	-0.0017	12	-47 56 42.00	-0.065	12	0.62	55.277	28	03.0	38.95	28	03.0	G5	CZ	15765	P -47 8036
26		10.0T	2 57.353	-0.0006	32	-44 22 4.65	-0.027	26	1.30	57.378	33	05.8	3.46	29	05.8	A5	GC	23057	C -4411438
27	9.3E	9.6Z	3 4.548	0.0000	12	-42 16 50.11	-0.001	12	0.73	4.547	45	01.6	50.06	45	01.6	B0	CZ	15770	P -42 7631
28	10.0E	9.3Z	3 6.780	-0.0003	12	-46 37 21.38	-0.023	12	0.63	6.795	36	06.3	20.37	36	06.3	F0	CZ	15768	P -46 8389
29	9.9E	9.0Z	3 8.285	-0.0008	12	-43 15 1.29	-0.048	12	0.64	8.327	26	00.3	-58.92	24	00.3		CZ	15771	P -43 7855
30		8.6T	3 9.565	-0.0040	30	-45 43 13.46	-0.011	22	1.17	9.733	24	07.3	12.97	24	05.9	K5	GC	23064	C -4511209
31	8.2E	8.0Z	3 19.261	0.0006	12	-46 56 13.25	-0.003	12	0.63	19.237	36	06.3	13.12	36	06.3	B5	CZ	15772	P -46 8391
32	9.0E	8.6Z	3 23.136	0.0001	12	-41 35 39.97	-0.023	12	0.65	23.130	26	99.5	38.81	24	99.5	A0	CZ	15776	P -41 7853
33		9.1T	3 28.675	-0.0038	20	-43 38 23.82	-0.057	22	0.99	28.845	24	04.7	21.22	24	04.4	G5	GC	23070	C -4311417
34	9.0E	9.0Z	3 28.795	-0.0004	12	-42 46 16.18	-0.040	12	0.69	28.812	36	01.2	14.24	36	01.2	A2	CZ	15779	P -42 7635
35	9.5E	8.5Z	3 32.476	-0.0019	12	-43 4 56.29	-0.025	12	0.68	32.571	36	01.6	55.10	36	01.6	K2	CZ	15780	P -42 7636
36		7.2T	3 36.615	0.0016	16	-46 49 29.96	-0.038	12	0.73	36.539	18	01.9	27.89	22	95.6	K0	GC	23076	C -4611221
37		7.1T	3 44.116	0.0008	13	-44 22 36.97	-0.019	11	0.66	44.075	22	01.3	35.96	21	96.4	A0	GC	23079K	C*-4411450
38	8.8E	8.5Z	3 47.083	0.0019	12	-48 30 36.66	-0.009	12	0.71	46.994	45	03.5	36.25	45	03.5	B8	CZ	15781	P -48 9010
39	10.0E	9.0Z	3 48.665	0.0013	12	-47 46 15.50	-0.001	12	0.65	48.608	36	04.6	15.47	36	04.6	A0	CZ	15782	P -47 8047
40		9.2T	3 49.463	0.0050	20	-43 46 13.15	-0.177	22	0.97	49.239	24	05.5	5.31	24	05.7	G5	GC	23083	C -4311423
41	10.2E	9.5Z	3 51.517	0.0002	12	-45 27 49.22	-0.011	12	0.61	51.510	28	03.8	48.72	26	03.8	A2	CZ	15785	P -45 8323
42		7.0T	3 53.108	-0.0080	16	-46 36 52.51	0.010	11	0.71	53.546	19	01.5	53.03	18	97.2	A5	GC	23085	C -4611223
43		8.9T	4 1.549	0.0007	18	-44 38 1.97	0.016	17	0.86	1.514	18	02.8	2.74	19	02.2	F0	GC	23088	C -4411455
44	9.1E	8.5Z	4 5.306	0.0037	12	-47 38 38.96	0.009	12	0.62	5.134	28	03.1	39.40	26	03.1	A3	CZ	15787	P -47 8049
45	9.9E	9.0Z	4 8.413	0.0007	12	-46 20 4.53	-0.008	12	0.63	8.382	36	06.3	4.19	36	06.3	A0	CZ	15790	P -46 8397
46	8.1E	8.0Z	4 9.151	0.0009	12	-42 41 16.55	-0.007	12	0.73	9.105	45	01.1	16.20	45	01.1	B8	CZ	15792	P -42 7642
47		8.2T	4 13.848	-0.0020	11	-42 54 40.61	0.020	09	0.44	13.931	15	08.5	41.52	14	05.2	A0	GC	23090	C -4211854
48		6.9T	4 20.236	-0.0005	10	-48 49 6.95	-0.025	07	0.40	20.256	15	08.5	5.82	15	04.3	K5	GC	23093	C -4811450
49	8.9E	9.0Z	4 21.275	0.0001	12	-41 53 0.67	-0.017	12	0.66	21.269	28	99.0	-59.83	26	99.0	A2	CZ	15795D	P*-41 7858
50	9.6E	9.8Z	4 24.196	0.0022	12	-47 52 59.82	0.001	12	0.65	24.097	36	04.6	59.87	36	04.6	A0	CZ	15793	P -47 8052
51		7.2T	17 4 34.188	-0.0023	13	-41 32 58.33	-0.051	12	0.72	34.309	19	97.9	55.52	17	94.9	A3	GC	23099K	C*-4111282
52	9.0E	8.0Z	4 34.336	0.0032	12	-41 11 25.91	-0.051	12	0.74	34.177	45	00.0	23.36	45	00.0	G5	CZ	15804	P -41 7861
53	9.0E	8.5Z	4 36.436	-0.0188	12	-41 39 17.74	-0.322	12	0.74	37.375	45	00.0	1.67	45	00.0	K0	CZ	15807	P -41 7862
54	9.0E	9.0Z	4 37.731	-0.0001	12	-43 17 35.86	-0.009	12	0.73	37.734	45	01.6	35.42	45	01.6	A2	CZ	15802	P -43 7876
55		9.6T	4 40.180	0.0023	22	-44 36 22.19	0.021	26	1.06	40.079	24	06.7	23.09	26	07.5	B8	GC	23101	C -4411463
56	9.0E	9.0Z	4 40.864	0.0019	12	-49 24 10.25	-0.004	12	0.71	40.775	45	03.5	10.05	45	03.5	B5	CZ	15796	P -49 9764
57	8.6E	8.5Z	4 41.778	-0.0004	12	-49 24 12.06	-0.020	12	0.64	41.797	31	02.2	11.09	28	02.2	B5	CZ	15797	P -49 9764
58	9.8E	9.0Z	4 43.015	0.0020	12	-47 0 55.06	-0.013	12	0.68	42.927	45	07.1	54.52	45	07.1	A2	CZ	15799	P -46 8403
59	9.8E	9.0Z	4 45.320	0.0008	12	-45 37 17.67	0.001	12	0.68	45.284	45	07.1	17.73	45	07.1	B5	CZ	15805	P -45 8330
60		7.0T	4 47.052	0.0002	14	-40 57 36.51	-0.014	11	0.62	47.044	19	03.2	35.84	17	00.6	F5	GC	23103	C -4011176
61	9.3E	9.0Z	4 48.401	0.0006	12	-48 14 59.50	-0.009	12	0.71	48.375	45	03.5	59.10	45	03.5	B8	CZ	15800	P -48 9016
62	9.0E	9.0Z	4 49.386	0.0015	12	-49 50 48.77	-0.015	12	0.71	49.318	45	03.5	48.10	45	03.5	A0	CZ	15798	P -49 9765
63	9.9E	9.6Z	4 52.868	0.0014	12	-48 39 8.93	-0.004	12	0.71	52.804	45	03.5	8.73	45	03.5	B9	CZ	15806	P -48 9017
64		9.1T	4 56.482	0.0007	18	-44 58 21.72	0.021	18	0.87	56.448	22	03.9	22.70	22	03.5	K2	GC	23108	C -4411467
65	10.0E	9.7Z	4 57.238	0.0004	12	-46 29 3.56	-0.005	12	0.68	57.220	45	07.1	3.36	45	07.1	B9	CZ	15809	P -46 8405
66	8.7E	8.5Z	5 6.467	0.0001	12	-42 37 50.84	-0.012	12	0.73	6.460	45	01.1	50.24	45	01.1	B9	CZ	15813	P -42 7648
67		9.1T	5 8.643	0.0039	20	-45 5 25.47	-0.006	20	0.91	8.470	24	05.6	25.20	24	05.2	K0	GC	23111	C*-4411470
68	9.9E	8.0Z	5 8.683	0.0006	12	-40 47 7.53	0.013	12	0.86	8.652	63	98.5	8.20	57	98.5	K0	CZ	15816	P -40 7722
69	10.9E	9.0Z	5 19.843	0.0010	12	-46 12 49.17	-0.005	12	0.62	19.796	31	04.2	48.96	28	04.2	B2	CZ	15815	P -46 8410
70	8.5E	8.5Z	5 26.667	0.0013	12	-43 17 24.21	-0.009	12	0.73	26.603	45	01.6	23.76	45	01.6	A0	CZ	15818	P -43 7885
71	9.5E	9.4Z	5 31.138	-0.0007	12	-42 39 21.14	-0.015	12	0.73	31.170	45	01.1	20.40	45	01.1	A0	CZ	15819	P -42 7657
72	7.8E	8.0Z	5 45.842	0.0019	12	-47 11 51.36	-0.013	12	0.64	45.751	31	02.5	50.72	28	02.5	B8	CZ	15821	P -47 8062
73	9.1E	8.5Z	5 47.816	0.0004	12	-46 28 39.41	-0.029	12	0.68	47.798	45	07.1	38.18	45	07.1	F0	CZ	15823	P -46 8413
74	10.4E	9.0Z	5 48.432	-0.0004	12	-42 20 59.64	-0.019	12	0.66	48.452	28	99.6	58.70	26	99.6	K5	CZ	15825	P -42 7660
75	9.2E	8.5Z	5 50.735	-0.0001	12	-46 25 18.47	-0.040	12	0.68	50.738	45	07.1	16.77	45	07.1	F2	CZ	15824	P -46 8414
76	8.4E	8.5Z	5 59.649	-0.0010	12	-42 58 20.60	-0.012	12	0.73	59.696	45	01.1	20.00	45	01.1	A0	CZ	15829	P -42 7661
77	10.3E	9.5Z	6 0.725	0.0008	12	-47 13 13.50	-0.010	12	0.70	0.667	45	04.6	13.06	45	04.6	B8	CZ	15826	P -47 8069
78	9.1E	9.0Z	6 0.771	-0.0013	12	-42 54 13.02	-0.010	12	0.73	0.832	45	01.1	12.52	45	01.1	A	CZ	15831	P -42 7662
79		7.1T	6 9.458	-0.0003	10	-46 58 6.80	0.007	07	0.40	9.472	15	07.8	7.11	15	04.2	B2	GC	23129	C -4611250
80		8.2T	6 10.330	0.0001	20	-45 34 22.12	-0.089	20	0.95	10.327	21	02.6	17.88	19	02.4	F8	GC	23131	C -4511251
81	7.9E	8.1H	6 14.907	0.0006	12	-40 32 58.31	-0.010	12	0.67	14.875	26	97.9	31.19	24	97.9	A0	CZ	15833	P -40 7730
82		7.0T	6 37.689	-0.0034	13	-46 40 34.57	-0.003	11	0.66	37.860	19	00.0	34.40	19	94.0	B2	GC	23138K	C -4611258
83		7.9T	6 38.093	0.0001	20	-46 40 42.30	0.001	17	0.89	38.090	24	04.0	42.34	22	01.9	B2	GC	23139K	C -4611258
84	7.6E	8.5Z	6 40.479	-0.0013	12	-40 59 24.62	0.000	12	0.86	40.412	63	98.5	24.63	57	98.5	A0	CZ	15839	P -40 7733
85	8.0E	8.7H	6 42.941	0.0008	12	-49 59 32.16	-0.017	12	0.71	42.906	45	03.5	31.39	45	03.5	B8	CZ	15834	P -49 9774
86	9.9E	9.5Z	6 58.551	0.0015	12	-48 37 13.59	-0.005	12	0.71	58.481	45	03.5	13.35	45	03.5	B8	CZ	15840	P -48 9033
87	9.1E	8.2Z	6 59.473	-0.0019	12	-43 27 40.80	-0.039	12	0.73	59.562	45	01.6	38.91	45	01.6	K0	CZ	15843	P -43 7896
88		5.1T	7 4.615	-0.0031	06	-44 29 42.73	-0.056	04	0.25	4.742	10	08.4	40.11	10	03.1	G5	GC	23148K	C*-4411502
89	9.4E	9.0Z	7 9.400	0.0003	12	-48 17 55.03	-0.013	12	0.71	9.388	45	03.5	54.43	45	03.5	B8	CZ	15842	P -48 9034
90	9.0E	9.0Z	7 18.567	0.0015	12	-48 42 4.97	-0.009	12	0.71	18.497	45	03.5	4.54	45	03.5	B8	CZ	15845	P -48 9036
91	9.7E	8.5Z	7 25.137	0.0021	12	-47 46 11.89	-0.051	12	0.64	25.039	31	02.5	9.48	28	02.5	F8	CZ	15848	P -47 8083
92	8.7E	7.5Z	7 29.633	0.0027	12	-43 25 42.40	0.022	12	0.65	29.497	28	00.2	43.49	26	00.2	K2	CZ	15850	P -43 7899
93		7.7T	7 30.676	-0.0013	10	-41 22 42.32	-0.024	09	0.43	30.733	15	07.4	41.27	15	05.4	A0	GC	23159	C -4111331
94	8.0E	8.0Z	7 34.209	-0.0007	12	-41 36 13.34	-0.016	12	0.74	34.244	45	00.0	12.57	45	00.0	B0	CZ	15855	P*-41 7883
95		7.5T	7 36.518	0.0009	17	-46 7 14.66	0.018	12	0.74	36.473	22	03.1	15.79	21	98.0	B5	GC	23163	C -4611267
96	9.2E	9.3Z	7 36.879	0.0003	12	-44 2 12.85	0.004	12	0.65	36.865	28	00.1	13.03	26	00.1	B8	CZ	15853	P -43 7901
97	9.5E	9.0Z	7 40.599	-0.0008	12	-44 37 5.85	-0.001	12	0.71	40.637	45	03.6	5.79	45	03.6	B9	CZ	15856	P -44 8285
98		8.5T	7 42.236	-0.0000	17	-41 23 18.85	-0.013	18	0.85	42.238	24	03.5	18.27	24	03.7	K5	GC	23165	C -4111336
99		6.0T	7 50.359	0.0031	13	-48 48 47.29	-0.030	12	0.67	50.201	18	99.1	45.69	17	96.2	M0	GC	23169	C -4811492
00	11.0E	9.0Z	7 57.521	0.0001	12	-42 43 32.17	-0.010	12	0.65	57.514	28	99.8	31.65	26	99.8		CZ	15858	P -42 7672

227700			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-40° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	8.8E	8.5Z	17 8 5.696	-0.0009	12	-41 42 46.51	-0.012	12	0.74		5.731	45	00.0	45.94	45	00.0	B0	CZ	15862	P -41 7889
2	9.0E	9.0Z	8 8.742	0.0010	12	-49 38 10.53	-0.007	12	0.71		8.698	45	03.5	10.18	45	03.5	B8	CZ	15857	P -49 9789
3		7.3T	8 10.806	-0.0004	22	-45 48 45.70	-0.109	20	1.00		10.826	21	04.1	40.61	19	03.4	G0	GC	23175	C -4511273
4	9.5E	9.2H	8 12.502	0.0008	12	-45 13 59.05	0.004	12	0.64		12.468	36	05.6	59.25	36	05.6	A2	CZ	15861	P -45 8366
5	8.8E	8.0Z	8 13.104	-0.0025	12	-46 7 57.57	-0.140	12	0.64		13.215	36	05.6	51.37	36	05.6	F8	CZ	15860	P -46 8439
6		8.9T	8 17.605	0.0015	16	-41 56 14.23	-0.030	16	0.80		17.534	19	01.5	12.76	18	01.0	F5	GC	23177K	C -4111345
7		3.4H	8 34.015	0.0021	02	-43 10 31.10	-0.285	02	0.09		33.939	05	13.9	20.19	05	11.7	F2	F4	638	C -4311485
8	10.1E	8.7Z	8 38.065	0.0006	12	-46 7 26.79	-0.002	12	0.64		38.038	36	05.6	26.71	36	05.6	A2	CZ	15866D	P*-46 8445
9	9.0E	9.4H	8 39.276	0.0013	12	-49 23 34.32	-0.017	12	0.64		39.215	31	02.2	33.49	28	02.2	A0	CZ	15865	P -49 9798
10	9.4E	8.5Z	8 41.969	0.0020	12	-43 28 0.11	-0.117	12	0.67		41.872	36	02.6	-54.55	36	02.6	G5	CZ	15869	P -43 7915
11	8.8E	9.0Z	8 45.230	0.0002	12	-43 3 12.80	-0.000	12	0.84		45.218	63	00.6	12.79	57	00.6	A2	CZ	15870	P -42 7682
12	7.8E	8.5Z	8 46.861	0.0012	12	-49 1 11.75	-0.005	12	0.66		46.807	36	03.8	11.51	36	03.8	B5	CZ	15867	P -48 9044
13	9.9E	8.7Z	8 58.358	0.0006	12	-43 21 48.33	-0.022	12	0.67		58.333	36	02.6	47.27	36	02.6	K0	CZ	15874	P -43 7916
14	9.8E	9.8Z	9 2.539	0.0007	12	-49 9 34.80	0.005	12	0.71		2.507	45	03.5	35.02	45	03.5	B8	CZ	15871	P -49 9802
15	9.1E	9.0Z	9 6.901	0.0015	12	-48 49 3.93	-0.027	12	0.66		6.832	36	03.8	2.67	36	03.8	A0	CZ	15872	P -48 9050
16	9.3E	8.5Z	9 7.927	0.0004	12	-46 22 46.24	-0.003	12	0.61		7.908	28	03.7	46.13	28	03.7	B3	CZ	15875	P -46 8449
17	8.9E	9.2Z	9 15.215	-0.0035	12	-49 11 1.80	-0.004	12	0.71		15.178	45	03.5	1.60	45	03.5	F8	CZ	15876	P -49 9805
18	8.4E	8.5Z	9 26.604	0.0016	12	-42 34 29.70	-0.017	12	0.66		26.522	28	99.6	28.83	28	99.6	B5	CZ	15881	P -42 7687
19	8.6E	8.8Z	9 38.958	-0.0000	12	-48 22 35.66	-0.009	12	0.62		38.960	28	02.7	35.24	28	02.7	B8	CZ	15880	P -48 9036
20		8.0T	9 42.594	0.0029	18	-47 11 38.02	-0.000	14	0.81		42.462	24	04.1	38.01	21	99.3	K5	GC	23207	C -4711358
21		7.0T	9 47.628	-0.0012	15	-47 15 38.24	-0.021	12	0.70		47.688	19	00.8	37.16	18	98.6	A0	GC	23211	C -4711340
22	9.2E	8.9H	9 50.883	0.0017	12	-49 49 55.77	-0.005	12	0.62		50.805	28	02.8	54.56	26	02.8	A3	CZ	15883	P -49 9808
23	9.9E	9.0Z	9 51.930	0.0024	12	-45 23 41.23	-0.009	12	0.71		51.821	45	03.6	40.82	45	03.6	B2	CZ	15887	P -45 8378
24		8.0T	9 54.968	-0.0023	26	-47 53 24.65	0.036	26	1.18		55.072	21	04.7	26.27	21	04.7	G5	GC	23214	C -4711342
25		9.2T	10 5.126	-0.0028	20	-44 40 16.75	-0.015	20	0.95		5.259	21	02.7	16.05	19	02.5	B5	GC	23218	C -4411526
26	7.9E	8.0Z	10 21.231	0.0017	12	-41 37 41.38	-0.030	12	0.67		21.144	28	98.9	39.83	26	98.9	A5	CZ	15890	P -41 7912
27		8.3T	10 29.428	0.0011	18	-45 16 28.41	-0.014	20	0.91		29.377	21	03.2	27.75	19	03.0	A0	GC	23233	C*-4511301
28	9.1E	9.3Z	10 32.620	0.0012	12	-45 57 56.66	-0.015	12	0.71		32.563	45	03.6	35.98	45	03.6	F0	CZ	15892	P -45 8385
29		9.2T	10 35.597	0.0042	20	-45 23 25.17	-0.021	20	0.93		35.407	24	04.6	24.20	24	04.2	B3	GC	23235K	C*-4511303
30	9.3E	8.2Z	10 35.981	0.0018	12	-47 4 54.48	0.012	12	0.70		35.898	45	04.6	55.05	45	04.6	G5	CZ	15893	P -46 8458
31	7.8E	8.2Z	10 43.286	0.0002	12	-49 9 23.52	-0.027	12	0.71		43.278	45	03.5	22.26	45	03.5	A0	CZ	15894	P -49 9821
32	9.3E	8.0Z	10 49.456	0.0004	12	-43 34 46.70	-0.015	12	0.65		49.417	28	00.7	45.93	26	00.7	K0	CZ	15898	P -43 7930
33		9.4T	10 54.626	0.0036	20	-44 37 52.21	0.009	22	0.99		54.460	24	04.3	52.62	24	04.9	K0	GC	23239	C -4411534
34	10.5E	9.2H	10 55.951	-0.0037	12	-45 24 32.86	-0.035	12	0.71		56.125	45	03.6	31.26	45	03.6	F8	CZ	15899D	P -45 8391
35	9.9E	9.0H	10 56.120	-0.0038	12	-45 24 36.01	-0.006	12	0.71		56.298	45	03.6	35.75	45	03.6	F8	CZ	15900D	P -45 8391
36		8.4T	10 58.643	-0.0004	14	-41 24 58.52	-0.018	18	0.80		58.664	22	02.0	57.72	24	04.0	K0	GC	23240	C -4111392
37	8.2E	8.5Z	11 0.383	0.0023	12	-48 39 5.81	0.015	12	0.64		0.273	31	02.2	6.51	28	02.2	F2	CZ	15897	P -48 9064
38	9.5E	8.5Z	11 3.640	0.0004	12	-47 20 45.18	-0.011	12	0.70		3.620	45	04.6	44.70	45	04.6	G5	CZ	15902	P -47 8127
39	10.1E	8.0Z	11 3.972	0.0004	12	-47 51 14.69	-0.001	12	0.70		3.955	45	04.6	14.66	45	04.6	K5	CZ	15901	P -47 8126
40	9.3E	8.5Z	11 9.251	-0.0004	12	-48 30 12.40	-0.008	12	0.71		9.269	45	03.5	12.04	45	03.5	K0	CZ	15904	P -48 9085
41	9.9E	9.3Z	11 11.068	0.0010	12	-44 24 3.50	-0.003	12	0.70		11.044	45	04.6	3.34	45	04.6	B8	CZ	15907	P -44 8313
42		9.1T	11 16.464	0.0013	18	-44 37 33.56	0.001	22	0.97		16.402	24	03.6	33.61	24	04.2	F5	GC	23245	C -4411541
43	7.6E	8.0Z	11 24.589	-0.0020	12	-45 49 17.26	-0.049	12	0.65		24.685	31	01.8	14.87	28	01.8	F2	CZ	15910	P -45 8400
44	9.4E	8.7Z	11 28.721	0.0009	12	-41 44 20.21	-0.004	12	0.74		28.676	45	00.1	20.03	45	00.1	A0	CZ	15913	P -41 7922
45	8.7E	8.0Z	11 32.783	-0.0003	12	-46 31 34.01	0.009	12	0.71		32.796	45	03.6	34.44	45	03.6	A2	CZ	15911	P -46 8467
46	9.1E	8.7Z	11 38.145	0.0002	12	-41 0 6.54	-0.020	12	0.86		38.135	63	98.5	5.51	57	98.5	A2	CZ	15916	P -40 7755
47		8.2T	11 39.675	0.0028	20	-44 21 0.62	-0.006	20	0.95		39.541	21	02.7	0.34	19	02.5	K0	GC	23251	C -4411547
48	8.4E	7.7Z	11 45.334	-0.0021	12	-40 56 49.05	-0.040	12	0.86		45.442	63	98.5	46.99	57	98.5	K0	CZ	15919	P -40 7756
49	8.8E	8.0Z	11 49.900	-0.0032	12	-42 25 37.24	-0.047	12	0.73		50.055	45	01.1	34.96	45	01.1	K0	CZ	15920	P -42 7698
50	9.5E	9.6Z	11 54.414	-0.0006	12	-45 41 52.93	-0.024	12	0.71		54.441	45	03.6	51.84	45	03.6	A0	CZ	15918	P -45 8409
51	9.6E	9.0Z	17 11 55.604	0.0005	12	-46 47 25.29	-0.007	12	0.65		55.579	31	01.9	24.97	28	01.9	A3	CZ	15917	P -46 8470
52	8.7E	8.3Z	11 56.362	0.0012	12	-42 43 18.87	-0.032	12	0.73		56.301	45	01.1	17.29	45	01.1	G0	CZ	15921	P -42 7699
53	9.2E	8.7Z	12 8.136	-0.0001	12	0 19.02	0.003	12	0.86		8.141	63	98.5	19.17	57	98.5	A0	CZ	15925	P -40 7760
54	9.5E	8.5Z	12 8.775	0.0000	12	-45 51 18.47	-0.012	12	0.71		8.774	45	03.6	17.93	45	03.6	B0	CZ	15923	P -45 8413
55	10.2E	9.5Z	12 10.581	0.0002	12	-47 53 48.94	-0.005	12	0.70		10.573	45	04.6	48.72	45	04.6	B8	CZ	15922	P -47 8139
56		7.9T	12 12.112	0.0007	18	-46 16 53.01	-0.009	14	0.84		12.075	19	01.4	52.54	18	98.5	B8	GC	23271	C -4611325
57	9.5E	8.0Z	12 20.174	0.0001	12	-40 29 43.63	-0.052	12	0.68		20.169	28	97.5	40.90	26	97.5	G0	CZ	15931	P -40 7762
58	9.6E	8.5Z	12 24.776	-0.0003	12	-47 13 39.28	-0.021	12	0.70		24.792	45	04.6	38.32	45	04.6	F8	CZ	15927	P -47 8142
59	9.9E	8.5Z	12 26.227	0.0010	12	-42 28 37.48	-0.010	12	0.65		26.176	28	99.8	37.00	26	99.8		CZ	15933	P -42 7702
60		7.4T	12 29.817	-0.0013	17	-49 30 21.63	-0.076	13	0.77		29.879	24	03.3	17.75	21	98.9	F0	GC	23281	C -4911286
61		9.6T	12 33.036	0.0063	20	-41 10 10.04	0.005	22	0.97		32.757	24	05.5	10.28	24	05.9	F8	GC	23283	C -4111418
62	8.2E	8.5Z	12 34.367	0.0016	12	-47 4 7.65	-0.023	12	0.70		34.292	45	04.6	6.63	45	04.6	A2	CZ	15930	P -46 8477
63		9.7T	12 34.864	0.0036	20	-44 20 33.53	-0.008	22	0.97		34.702	24	05.5	33.18	24	05.7	A0	GC	23285	C -4411557
64	9.8E	9.5Z	12 35.248	0.0011	12	-47 43 32.15	0.002	12	0.70		35.200	45	04.6	32.26	45	04.6	B5	CZ	15929	P -47 8143
65	8.4E	8.0Z	12 36.075	0.0010	12	-42 44 17.12	-0.013	12	0.73		36.025	45	01.1	16.47	45	01.1	B2	CZ	15935	P -42 7704
66	10.2E	9.0Z	12 37.092	0.0008	12	-47 31 19.19	-0.014	12	0.70		37.057	45	04.6	18.57	45	04.6	K0	CZ	15932	P -47 8144
67		9.1T	12 37.481	-0.0031	22	-41 35 32.15	-0.038	22	1.06		37.625	19	04.0	30.38	19	03.5	F8	GC	23286	C -4111420
68		6.9T	12 44.162	-0.0004	09	-42 17 2.69	0.000	07	0.40		44.180	15	07.3	2.89	14	03.0	B5	GC	23288K	C*-4211983
69	8.2E	8.0Z	12 52.310	0.0002	12	-42 36 47.96	-0.003	12	0.73		52.298	45	01.1	47.80	45	01.1	B0	CZ	15942	P -42 7710
70	9.4E	9.0Z	12 54.211	0.0039	12	-45 57 54.47	-0.092	12	0.71		54.030	45	03.6	50.22	45	03.6	A3	CZ	15939	P -45 8423
71		7.7T	12 55.968	-0.0004	20	-44 42 27.33	-0.045	15	0.85		55.985	24	04.8	25.12	22	00.7	K0	GC	23292	C -4411561
72	8.9E	8.5Z	13 2.007	-0.0002	12	-48 49 47.72	-0.007	12	0.64		2.017	31	02.2	47.37	28	02.2	A0	CZ	15940	P -48 9081
73	9.2E	9.0Z	13 7.888	0.0004	12	-45 46 56.77	-0.010	12	0.66		7.868	36	03.2	56.32	36	03.2	B8	CZ	15943	P -45 8427
74	9.2E	7.5Z	13 8.494	-0.0005	12	-40 48 42.69	-0.008	12	0.68		8.520	28	98.0	42.27	26	98.0	B0	CZ	15948	P -40 7764
75	9.6E	9.0Z	13 17.133	0.0000	12	-46 43 26.03	0.000	12	0.66		17.131	36	03.9	26.05	36	03.9	B8	CZ	15947	P -46 8492
76	10.1E	9.0Z	13 18.481	-0.0000	12	-48 46 12.95	-0.001	12	0.71		18.441	45	03.5	12.89	45	03.5	F0	CZ	15944	P -48 9085
77	9.4E	8.5Z	13 22.418	0.0037	12	-49 19 30.94	-0.012	12	0.71		22.245	45	03.5	30.37	45	03.5	F2	CZ	15946	P -49 9852
78		6.8T	13 28.738	0.0001	10	-44 43 28.44	-0.011	08	0.41		28.732	15	08.6	27.97	15	06.5	B2	GC	23307	C -4411564
79	9.4E	9.0Z	13 41.248	0.0009	12	-41 46 45.24	-0.024	12	0.70		41.202	36	99.6	44.01	36	99.6	A2	CZ	15960	P -41 7932
80	9.7E	9.0Z	13 42.615	-0.0104	12	-49 12 32.01	-0.022	12	0.71		43.099	45	03.5	30.97	45	03.5	K0	CZ	15953	P -49 9855
81	9.9E	9.7Z	13 43.759	0.0006	12	-49 16 34.68	-0.007	12	0.71		43.730	45	03.5	34.34	45	03.5	A2	CZ	15954	P -49 9856
82	9.4E	9.7Z	13 44.780	0.0007	12	-47 41 9.52	-0.016	12	0.65		44.750	36	04.6	8.80	36	04.6	A3	CZ	15956	P -47 8152
83	9.9E	8.2Z	13 45.675	-0.0005	12	-47 3 1.70	-0.012	12	0.63		45.697	28	02.6	1.15	26	02.6	K0	CZ	15958	P -46 8499
84	9.6E	9.0Z	13 45.921	-0.0023	12	-48 52 2.91	-0.025	12	0.71		46.028	45	03.5	1.73	45	03.5	F8	CZ	15955	P -48 9091
85	8.2E	9.0Z	13 50.784	0.0013	12	-42 16 56.72	-0.018	12	0.69		50.720	36	01.2	55.86	36	01.2	A0	CZ	15965	P -42 7713
86	10.0E	9.5Z	13 51.465	-0.0001	12	-43 50 28.17	-0.005	12	0.65		51.471	28	00.8	27.90	26	00.8		CZ	15964	P -43 7957
87	9.9E	9.2Z	13 52.174	0.0010	12	-48 5 49.86	-0.012	12	0.71		52.129	45	03.5	49.31	45	03.5	G5	CZ	15959	P -48 9092
88	8.7E	8.5Z	13 52.468	0.0007	12	-44 43 26.67	-0.019	12	0.66		52.437	36	03.9	25.78	36	03.9	A2	CZ	15961	P -44 8338
89	10.2E	9.4Z	13 54.923	0.0006	12	-45 38 6.04	-0.017	12	0.66		54.894	36	03.2	5.26	36	03.2	B9	CZ	15962	P -45 8437
90	9.9E	9.5Z	13 57.407	0.0005	12	-43 21 5.24	-0.015	12	0.67		57.382	36	02.2	4.52	36	02.2		CZ	15967	P -43 7959
91	9.6E	9.5Z	14 7.114	0.0006	12	-43 52 5.69	-0.006	12	0.67		7.086	36	02.2	5.38	36	02.2	A0	CZ	15971	P -43 7962
92	9.7E	9.2H	14 7.294	0.0011	12	-45 13 26.46	-0.011	12	0.63		7.244	28	02.1	25.95	26	02.1	B8	CZ	15969	P -45 8439
93		7.8T	14 9.277	0.0037	17	-49 23 57.47	-0.019	15	0.80		9.100	19	02.2	56.54	18	00.3	B5	GC	23323	C -4911306
94		8.5T	14 10.014	0.0021	20	-44 19 25.59	-0.014	20	0.91		9.919	24	05.5	26.22	24	05.1	B3	GC	23324	C -4411576
95	10.1E	9.3H	14 17.592	0.0014	12	-45 49 49.63	-0.010	12	0.63		17.524	28	02.0	49.17	26	02.0	F0	CZ	15973	P -45 8440
96	11.1E	10.3Z	14 24.329	-0.0006	12	-46 2 26.32	-0.022	12	0.72		24.357	45	02.5	25.30	45	02.5	B8	CZ	15976	P -45 8441
97	9.1E	8.0Z	14 24.913	0.0025	12	-48 0 2.77	-0.020	12	0.65		24.801	36	04.6	1.87	36	04.6	K0	CZ	15974	P -47 8165
98	9.5E	9.0Z	14 25.154	0.0013	12	-46 2 17.66	-0.007	12	0.72		25.092	45	02.5	17.35	45	02.5	B8	CZ	15977	P -45 8441
99		7.1T	14 25.263	-0.0006	17	-43 31 28.72	-0.031	14	0.80		25.291	18	00.8	27.14	17	99.0	B9	GC	23330	C -4311567
00		8.1T	14 26.757	-0.0008	18	-42 0 27.15	0.003	20	0.89		26.795	24	04.8	27.29	24	05.2	B0	GC	23331	C -4111445

227800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.6T	17 14 30.810	-0.0000	24	-42 50 42.12	-0.010	24	1.12	30.810	19	04.1	39.81	19	03.6	A2	GC	23332	C -4212006
2		7.2T	14 38.597	0.0004	16	-47 45 52.47	-0.021	13	0.76	38.578	19	01.0	51.37	18	98.1	B9	GC	23336	C -4711407
3	8.6E	8.6Z	14 41.039	0.0001	12	-48 2 32.69	-0.026	12	0.65	41.035	36	04.6	31.52	36	04.6	A0	CZ	15981	P -47 8175
4	9.1E	9.0Z	14 51.370	0.0003	12	-42 52 46.22	-0.012	12	0.73	51.354	45	01.6	45.63	45	01.6	B0	CZ	15987	P -42 7717
5	7.3E	8.0Z	14 52.450	-0.0002	12	-42 55 47.73	-0.020	12	0.73	52.462	45	01.6	46.76	45	01.6	B3	CZ	15989	P -42 7718
6	9.7E	9.3Z	14 56.880	0.0008	12	-49 0 57.21	0.004	12	0.71	56.653	45	03.5	57.01	45	03.5	F8	CZ	15983	P -48 9105
7		7.3T	14 58.375	0.0001	16	-48 44 49.27	-0.008	10	0.70	58.371	22	02.2	48.93	19	93.6	F2	GC	23345	C -4811387
8	9.9E	9.1Z	14 59.486	0.0008	12	-46 23 49.89	-0.006	12	0.71	59.423	45	03.6	49.62	45	03.6	K0	CZ	15988	P -46 8511
9	8.9E	7.9Z	15 1.686	0.0001	12	-49 17 12.08	-0.004	12	0.71	1.691	45	03.5	11.88	45	03.5	K2	CZ	15985	P -49 9871
10	9.4E	9.0Z	15 6.526	0.0010	12	-42 56 22.86	-0.010	12	0.73	6.476	45	01.6	22.36	45	01.6	B5	CZ	15996	P -42 7719
11	9.0E	9.0Z	15 7.167	-0.0013	12	-44 47 55.31	-0.007	12	0.65	7.230	31	01.9	54.96	28	01.9	A2	CZ	15994	P -44 8351
12	10.8E	9.5Z	15 9.284	0.0005	12	-44 17 10.50	0.015	12	0.71	9.202	45	03.6	11.18	45	03.6	G0	CZ	15995	P -44 8352
13		6.1T	15 10.573	0.0000	16	-44 4 39.30	-0.021	12	0.74	10.571	22	02.2	38.19	19	97.0	B9	GC	23350	C -4311572
14	7.4E	8.0Z	15 11.010	-0.0001	12	-42 50 23.45	-0.021	12	0.73	11.018	45	01.6	22.43	45	01.6	B5	CZ	15998	P -42 7720
15	7.3E	7.9Z	15 13.742	-0.0007	12	-48 38 41.06	-0.030	12	0.71	13.776	45	03.5	38.66	45	03.5	B9	CZ	15992	P -48 9112
16		5.6T	15 15.203	0.0952	16	-46 35 6.82	0.218	11	0.71	10.549	19	01.1	10.40	18	96.8	K0	GC	23353K	C*-4611370
17	9.6E	9.5Z	15 21.490	0.0004	12	-46 48 14.12	-0.016	12	0.71	21.469	45	03.6	13.40	45	03.6	A0	CZ	15999	P -46 8516
18		8.0T	15 22.457	0.0036	22	-45 27 35.35	-0.016	26	1.06	22.301	24	06.7	34.67	26	07.5	A2	GC	23355	C -4511387
19	8.8E	8.0Z	15 40.890	0.0012	12	-49 23 23.39	-0.006	12	0.71	40.833	45	03.5	23.10	45	03.5	B8	CZ	16003	P -49 9881
20	9.7E	9.0Z	15 41.126	0.0004	12	-49 27 14.87	-0.010	12	0.66	41.107	36	03.2	14.36	36	03.2		CZ	16004	P -49 9882
21		6.9T	15 46.913	-0.0006	14	-44 10 17.88	-0.015	12	0.70	46.942	19	99.7	17.08	18	96.8	A0	GC	23367K	C*-4411595
22		7.2T	15 49.033	0.0008	16	-45 35 19.92	-0.011	12	0.75	48.992	22	01.5	19.33	19	96.8	OA	GC	23368	C -4511382
23	9.6E	9.5Z	16 1.145	0.0005	12	-41 53 12.31	-0.026	12	0.74	1.119	45	00.1	11.03	45	00.1	G	CZ	16012	P -41 7939
24	10.1E	9.5Z	16 2.336	0.0010	12	-45 18 24.32	-0.025	12	0.72	2.291	45	02.5	23.15	45	02.5	F0	CZ	16010	P -45 8445
25		6.7T	16 3.543	-0.0012	17	-48 29 44.06	-0.208	13	0.77	3.601	19	02.1	33.44	18	99.0	G0	GC	23376	C -4811605
26		8.7T	16 4.879	0.0017	16	-41 49 11.74	-0.014	16	0.81	4.797	19	01.3	11.04	18	00.2	B9	GC	23378	C -4111475
27		7.3T	16 13.911	0.0003	13	-41 58 46.45	-0.040	12	0.71	13.897	21	98.2	44.22	19	94.3	K2	GC	23381	C -4111477
28	8.5E	8.5Z	16 19.309	-0.0000	12	-49 52 0.23	-0.056	12	0.71	19.311	45	03.5	57.61	45	03.5	G5	CZ	16011	P -49 9889
29	10.1E	8.5Z	16 20.244	0.0000	12	-46 7 9.47	-0.025	12	0.71	20.244	45	03.6	8.35	45	03.6	K0	CZ	16016	P -46 8526
30	10.6E	9.0Z	16 20.997	0.0007	12	-46 7 7.51	-0.014	12	0.71	20.963	45	03.6	6.88	45	03.6	K0	CZ	16017	P -46 8526
31	9.7E	9.7Z	16 34.793	-0.0005	12	-48 10 40.73	-0.020	12	0.71	34.818	45	03.5	39.82	45	03.5	B8	CZ	16020	P -48 9129
32	9.6E	9.0Z	16 35.603	0.0004	12	-49 30 42.02	-0.015	12	0.71	35.493	45	03.5	41.31	45	03.5	F5	CZ	16019	P -49 9884
33	8.1E	8.0Z	16 35.879	0.0010	12	-47 52 55.72	-0.007	12	0.70	35.835	45	04.5	55.41	45	04.5	F5	CZ	16021	P -47 8201
34	10.0E	9.8Z	16 44.957	0.0005	12	-49 5 38.72	-0.013	12	0.71	44.935	45	03.5	38.09	45	03.5	A2	CZ	16024	P -49 9895
35	8.7E	8.5Z	16 53.619	-0.0028	12	-43 49 16.48	-0.072	12	0.72	53.751	45	03.1	13.08	45	03.1	F5	CZ	16028	P -43 7983
36		9.1T	16 53.721	0.0026	14	-41 8 3.84	-0.016	16	0.78	53.592	17	99.5	3.06	17	99.6	K5	GC	23395	C -4111489
37	7.6E	7.5Z	16 55.652	0.0007	12	-45 59 47.07	-0.009	12	0.65	55.617	31	01.1	46.60	28	01.1	B1	CZ	16027	P -45 8472
38	9.5E	8.5Z	16 56.320	0.0004	12	-48 32 47.23	-0.037	12	0.71	56.313	45	03.5	45.51	45	03.5	K0	CZ	16026	P -48 9132
39	9.3E	9.0Z	17 2.522	-0.0006	12	-43 16 12.65	-0.046	12	0.64	2.549	28	01.2	10.40	26	01.2	A2	CZ	16034	P -43 7985
40		8.1T	17 2.705	0.0012	20	-44 35 6.21	0.048	22	0.96	2.650	24	05.5	8.32	22	06.3	K0	GC	23399	C -4411610
41	10.1E	9.0Z	17 5.921	0.0004	12	-45 46 6.44	-0.013	12	0.72	5.901	45	02.5	5.84	45	02.5	B8	CZ	16032	P -45 8476
42	9.5E	7.7Z	17 8.240	-0.0002	12	-40 31 1.09	-0.030	12	0.86	8.251	63	98.5	59.55	57	98.5	K0	CZ	16037	P -40 7779
43		7.1T	17 10.212	-0.0009	16	-45 22 13.34	-0.021	14	0.78	10.257	18	00.7	12.26	18	98.9	A0	GC	23402	C -4511408
44	10.1E	9.6Z	17 12.681	0.0004	12	-48 20 47.98	-0.008	12	0.71	12.664	45	03.5	47.63	45	03.5	A0	CZ	16033	P -48 9135
45	8.6E	8.0Z	17 14.329	0.0019	12	-42 36 33.23	-0.002	12	0.65	14.232	28	99.9	33.12	26	99.9	F8	CZ	16036D	P*-42 7731
46	8.7E	8.5Z	17 19.318	0.0009	12	-42 36 11.05	-0.041	12	0.73	19.272	45	01.6	9.05	45	01.6	F8	CZ	16041	P -42 7732
47	7.9E	8.0Z	17 24.251	0.0003	12	-45 55 58.87	-0.019	12	0.72	24.236	45	02.5	57.95	45	02.5	B5	CZ	16039	P -45 8479
48	9.2E	8.5Z	17 24.675	0.0014	12	-42 41 47.81	-0.017	12	0.73	24.605	45	01.6	46.98	45	01.6	A2	CZ	16042	P -42 7733
49	9.7E	8.7H	17 28.995	0.0011	12	-40 14 15.58	-0.018	12	0.86	28.938	63	98.5	14.65	57	98.5	K0	CZ	16049	P -40 7781
50	8.5E	8.7Z	17 29.149	0.0010	12	-42 3 12.14	-0.024	12	0.73	29.101	45	01.6	10.95	45	01.6	B9	CZ	16045	P -41 7949
51		8.2T	17 29.490	-0.0011	18	-41 49 52.56	-0.071	18	0.89	29.543	24	02.8	49.20	24	02.7	M0	GC	23418	C -4111503
52	8.9E	8.5Z	17 39.304	-0.0062	12	-41 30 29.35	-0.014	12	0.68	39.620	28	99.0	30.06	26	99.0	G5	CZ	16051	P -41 7954
53	9.4E	9.0Z	17 40.130	0.0006	12	-40 19 31.37	-0.010	12	0.86	40.100	63	98.5	30.86	57	98.5	A0	CZ	16052	P -40 7782
54	9.4E	9.0Z	17 40.357	-0.0003	12	-45 40 22.16	-0.015	12	0.72	40.371	45	02.5	21.47	45	02.5	B9	CZ	16048	P -45 8483
55		9.3T	17 45.456	0.0019	18	-41 51 15.48	0.027	17	0.87	45.368	24	03.0	16.80	22	01.2	F8	GC	23421	C -4111513
56	9.4E	8.5Z	17 47.125	-0.0001	12	-49 50 52.53	-0.024	12	0.71	47.132	45	03.5	51.43	45	03.5	K2	CZ	16044	P -49 9909
57	9.4E	9.4Z	17 56.799	0.0000	12	-42 19 10.43	-0.026	12	0.73	56.799	45	01.6	9.19	45	01.6	A2	CZ	16062	P -42 7737
58	10.2E	9.8Z	17 57.533	0.0012	12	-47 17 35.89	-0.007	12	0.65	57.477	36	04.5	35.59	36	04.5	A0	CZ	16056	P -47 8221
59	9.2E	9.0Z	17 58.734	0.0011	12	-40 33 17.07	-0.022	12	0.86	58.678	63	98.5	15.93	57	98.5	A3	CZ	16066	P -40 7785
60	9.3E	8.5Z	17 58.991	0.0009	12	-47 45 32.66	-0.009	12	0.65	58.951	36	04.5	32.26	36	04.5	K0	CZ	16058	P -47 8219
61	9.1E	9.0Z	18 0.627	0.0025	12	-49 14 5.68	-0.126	12	0.71	0.511	45	03.5	59.80	45	03.5	G0	CZ	16053	P -49 9915
62	9.0E	9.0Z	18 0.790	0.0010	12	-49 6 38.06	0.007	12	0.64	0.742	31	02.2	38.38	28	02.2	A5	CZ	16055	P -49 9916
63	7.6E	8.0Z	18 1.810	-0.0028	12	-49 43 13.09	0.004	12	0.71	1.939	45	03.5	13.26	45	03.5	F0	CZ	16054	P -49 9914
64	8.1E	8.1H	18 5.515	-0.0007	12	-40 18 40.47	-0.037	12	0.68	5.552	28	97.8	38.54	26	97.8	A0	CZ	16067	P -40 7786
65	10.1E	8.5Z	18 6.773	-0.0001	12	-45 41 24.02	-0.012	12	0.66	6.777	36	03.4	23.48	36	03.4	K0	CZ	16064	P -45 8489
66	10.0E	9.0Z	18 7.622	0.0012	12	-46 16 31.69	0.010	12	0.63	7.564	28	02.7	32.18	26	02.7	A2	CZ	16063	P -46 8557
67	9.9E	9.6Z	18 11.920	0.0010	12	-49 30 59.48	-0.001	12	0.71	11.875	45	03.5	59.42	45	03.5		CZ	16060	P -49 9917
68	9.7E	9.7Z	18 12.816	0.0008	12	-42 41 27.43	-0.010	12	0.68	12.776	36	01.6	26.93	36	01.6	A0	CZ	16068	P -42 7739
69	7.8E	8.5Z	18 14.189	-0.0004	12	-48 0 2.87	-0.019	12	0.62	14.210	28	03.0	2.00	26	03.0	A0	CZ	16065	P -47 8225
70		9.6T	18 23.674	-0.0011	20	-44 12 1.44	0.001	20	0.91	23.721	24	05.6	1.49	24	05.2	F8	GC	23432	C -4411629
71		7.2T	18 23.897	0.0002	16	-42 8 1.15	-0.015	13	0.77	23.889	17	00.2	1.93	17	98.0	A2	GC	23434	C -4212071
72	7.4E	8.0Z	18 32.256	-0.0004	12	-49 42 50.61	-0.021	12	0.64	32.274	31	02.2	49.59	28	02.2	B8	CZ	16069	P -49 9923
73	9.0E	8.5Z	18 33.370	0.0004	12	-43 32 27.70	-0.016	12	0.62	33.348	26	02.1	26.92	24	02.1	A0	CZ	16074	P -43 8006
74		6.4T	18 41.893	0.0006	12	-41 4 23.25	-0.032	11	0.64	41.865	18	99.3	21.53	19	95.5	K5	GC	23443	C -4011362
75	9.5E	9.2Z	18 41.972	0.0011	12	-48 56 33.81	0.009	12	0.66	41.922	36	03.8	34.21	36	03.8	K0	CZ	16072	P -48 9149
76	9.6E	8.5Z	18 42.089	-0.0008	12	-48 36 41.50	-0.032	12	0.62	42.108	28	02.7	39.97	26	02.7	F0	CZ	16073	P -48 9150
77		9.0T	18 44.954	-0.0021	18	-44 41 37.81	0.016	20	0.91	45.050	21	03.3	38.57	19	03.1	F5	GC	23445	C -4411632
78	8.5E	8.0Z	18 53.902	0.0004	12	-49 49 33.35	-0.022	12	0.71	53.886	45	03.5	32.35	45	03.5	K0	CZ	16075	P -49 9927
79	9.9E	9.2H	18 54.363	0.0014	12	-47 29 10.32	-0.006	12	0.62	54.295	28	03.0	10.05	26	03.0	B9	CZ	16078	P -47 8234
80		6.8T	19 5.452	-0.0004	14	-45 34 1.06	-0.002	11	0.69	5.474	19	99.8	0.94	18	96.4	G5	GC	23458	C -4511441
81	9.1E	9.0Z	19 6.005	-0.0000	12	-48 4 18.35	-0.008	12	0.66	6.006	36	03.8	18.00	36	03.8	F8	CZ	16081	P -47 8237
82	9.4E	8.2Z	19 10.937	0.0005	12	-40 14 56.63	-0.019	12	0.86	10.912	63	98.5	55.65	57	98.5	A3	CZ	16086	P -40 7792
83	9.7E	8.0Z	19 15.496	0.0001	12	-46 1 41.86	-0.006	12	0.66	15.491	36	03.4	41.59	36	03.4	K2	CZ	16084	P -45 8508
84	9.5E	9.5Z	19 17.074	0.0003	12	-43 52 28.78	-0.007	12	0.72	17.060	45	03.1	28.44	45	03.1	B8	CZ	16085	P -43 8015
85	7.9E	8.0Z	19 24.093	0.0006	12	-42 2 27.70	-0.009	12	0.74	24.062	45	00.1	27.23	45	00.1	A0	CZ	16089	P -41 7962
86		9.5T	19 30.584	-0.0008	08	-47 23 16.27	-0.015	05	0.32	30.616	14	11.0	15.55	14	02.0	B3P	GC	23470K	C*-4711484
87	9.7E	9.5Z	19 31.931	0.0011	12	-47 29 46.52	-0.004	12	0.65	31.879	36	04.5	46.35	36	04.5		CZ	16088	P -47 8244
88	9.6E	8.5Z	19 33.643	0.0009	12	-44 44 41.46	-0.020	12	0.71	33.602	45	03.6	40.51	45	03.6	B8	CZ	16091	P -44 8401
89		8.0T	19 34.034	0.0007	20	-44 40 10.45	-0.041	20	0.91	34.001	24	05.5	8.62	24	05.1	K0	GC	23475	C -4411644
90	8.8E	9.0Z	19 38.805	0.0010	12	-42 46 57.46	-0.011	12	0.65	38.753	28	99.9	56.89	26	99.9	B5	CZ	16095	P -42 7745
91	9.4E	8.5Z	19 41.762	-0.0010	12	-42 27 49.30	-0.040	12	0.73	41.810	45	01.6	47.39	45	01.6	K0	CZ	16098	P -42 7746
92	10.0E	9.9Z	19 45.379	0.0003	12	-44 27 17.39	-0.009	12	0.71	45.366	45	03.6	16.95	45	03.6		CZ	16097	P -44 8409
93	9.5E	9.7Z	19 45.429	0.0008	12	-49 57 25.49	-0.019	12	0.71	45.394	45	03.5	24.58	45	03.5		CZ	16090	P -49 9936
94	9.4E	8.2Z	19 48.072	0.0009	12	-47 16 31.92	-0.021	12	0.70	48.033	45	04.5	30.98	45	04.5	G5	CZ	16093	P -47 8250
95	10.0E	9.9Z	19 51.841	-0.0013	12	-44 22 14.05	-0.027	12	0.71	51.903	45	03.6	12.77	45	03.6		CZ	16104	P -44 8413
96	9.6E	8.3H	19 53.602	0.0002	12	-40 4 46.45	-0.009	12	0.86	53.592	63	98.5	45.98	57	98.5	K2	CZ	16109	P -40 7795
97	9.9E	9.0Z	19 54.678	-0.0004	12	-46 12 10.37	0.000	12	0.70	54.695	45	04.9	10.39	45	04.9	F0	CZ	16100	P -46 8588
98		8.6T	19 55.754	0.0037	22	-45 23 32.25	-0.014	26	1.06	55.594	24	06.7	31.65	26	07.5	B8	GC	23485	C -4511459
99	9.8E	9.8Z	19 56.240	0.0010	12	-49 39 5.08	-0.007	12	0.71	56.196	45	03.5	4.78	45	03.5		CZ	16096	P -49 9939
00	8.1E	8.0Z	19 58.583	0.0001	12	-48 39 39.50	-0.004	12	0.71	58.578	45	03.5	39.30	45	03.5	G5	CZ	16099	P -48 9157

-40° 17H

227900 — EPOCH 1950 — ORIGINAL EPOCH — -40° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.9E	8.2Z	17 19 59.484	0.0003	12	-46 2 52.37	-0.008	12	0.81	59.470	63	05.3	52.03	57	05.3	K0	CZ	16106	P -45 8518
2	9.7E	9.2H	20 0.925	0.0023	12	-45 7 15.47	-0.009	12	0.71	0.821	45	03.9	15.07	45	03.9	F0	CZ	16107D	P*-45 8519
3	9.0E	8.5Z	20 2.820	-0.0003	12	-49 20 42.59	-0.009	12	0.71	2.833	45	03.5	42.16	45	03.5	F0	CZ	16101	P -49 9941
4	10.4E	9.8*	20 12.455	-0.0007	12	-46 50 3.34	-0.029	12	0.64	12.487	31	02.7	1.99	28	02.7	A0	CZ	16112	P -46 8592
5	9.5E	8.8H	20 14.019	-0.0035	12	-40 9 45.74	-0.049	12	0.86	14.200	63	98.5	43.21	57	98.5	G5	CZ	16117	P -40 7800
6	9.8E	9.6Z	20 15.372	0.0002	12	-48 45 31.35	-0.005	12	0.71	15.363	45	03.5	31.11	45	03.5	A0	CZ	16111	P -48 9160
7		7.9T	20 15.515	0.0128	26	-49 20 42.23	-0.070	26	1.16	14.940	21	05.1	39.10	21	05.1	A2	GC	23494	C -4911390
8	10.2E	9.6Z	20 17.963	0.0000	12	-48 30 10.85	-0.034	12	0.71	17.963	45	03.5	9.28	45	03.5		CZ	16113	P -48 9164
9		8.5T	20 32.746	-0.0076	17	-44 4 38.23	-0.030	17	0.82	33.097	24	03.6	36.82	22	02.9	F8	GC	23501	C -4411668
10		8.1T	20 34.163	0.0004	16	-43 45 33.99	-0.020	13	0.76	34.142	22	02.5	32.97	21	98.9	B9	GC	23502K	C*-4311653
11		5.1T	20 35.323	-0.0010	07	-44 7 0.06	-0.028	05	0.30	35.364	09	08.0	58.76	09	03.5	B8	GC	23503	C -4411669
12	8.3E	8.5Z	20 40.985	0.0004	12	-43 56 55.20	-0.011	12	0.65	40.966	28	00.9	54.64	26	00.9	F0	CZ	16123	P -43 8028
13		8.9T	20 43.995	0.0002	20	-41 8 15.18	0.002	22	0.97	43.988	24	05.4	15.29	24	05.7	M0	GC	23509	C -4111570
14	9.9E	9.5Z	20 49.226	0.0012	12	-47 6 2.81	-0.012	12	0.70	49.169	45	04.5	2.28	45	04.5	A	CZ	16125	P -47 8268
15	10.3E	9.9Z	20 49.562	0.0007	12	-47 6 15.81	-0.017	12	0.70	49.528	45	04.5	15.05	45	04.5	A	CZ	16126	P -47 8269
16	9.2E	9.0Z	20 49.891	-0.0002	12	-40 52 12.52	-0.016	12	0.86	49.901	63	98.5	11.69	57	98.5	A0	CZ	16132	P -40 7804
17	9.1E	8.7Z	20 51.791	0.0026	12	-46 12 18.09	-0.020	12	0.70	51.673	45	04.9	17.21	45	04.9	F2	CZ	16127	P -46 8603
18	9.9E	9.7Z	21 1.896	0.0001	12	-49 17 44.31	-0.021	12	0.71	1.891	45	03.5	43.32	45	03.5		CZ	16129	P -49 9960
19	9.1E	8.0Z	21 3.401	-0.0007	12	-44 8 45.45	-0.000	12	0.71	3.434	45	03.6	45.43	45	03.6	K2	CZ	16134	P -44 8445
20		6.8T	21 3.450	-0.0008	13	-44 57 49.31	0.043	10	0.64	3.489	19	99.3	51.65	18	95.7	F0	GC	23513	C -4411680
21	9.1E	9.3Z	21 4.967	0.0005	12	-49 34 12.45	-0.005	12	0.71	4.946	45	03.5	12.24	45	03.5		CZ	16130	P -49 9963
22	9.6E	9.0Z	21 7.594	-0.0005	12	-40 17 41.82	-0.012	12	0.68	7.621	28	97.7	41.19	26	97.7	A2	CZ	16138	P -40 7807
23		6.9T	21 9.651	0.0037	13	-46 9 24.41	-0.003	12	0.68	9.461	19	99.5	24.24	18	96.6	B5	GC	23516	C -4611478
24	9.3E	7.5Z	21 17.496	0.0014	12	-45 50 57.21	-0.002	12	0.71	17.430	45	03.9	57.14	45	03.9	K0	CZ	16137	P -45 8539
25		7.9T	21 18.556	0.0020	17	-41 27 22.43	0.035	16	0.81	18.462	19	02.0	24.14	18	01.7	F5	GC	23522	C -4111582
26	9.5E	9.5Z	21 18.577	0.0007	12	-46 23 12.33	-0.010	12	0.70	18.544	45	04.9	11.90	45	04.9	A0	CZ	16136	P -46 8612
27	9.2E	9.4Z	21 23.000	0.0021	12	-45 26 27.15	-0.010	12	0.71	22.905	45	03.9	26.71	45	03.9	B8	CZ	16140	P -45 8545
28	9.4E	9.0Z	21 23.363	0.0007	12	-46 2 42.68	-0.004	12	0.81	23.351	63	05.3	42.52	57	05.3	B9	CZ	16139	P -45 8543
29	9.7E	9.5Z	21 27.898	0.0009	12	-43 9 20.05	-0.005	12	0.64	27.852	28	01.2	19.79	26	01.2	A0	CZ	16145	P -43 8035
30	10.2E	9.9Z	21 29.348	0.0009	12	-45 9 3.51	-0.013	12	0.71	29.309	45	03.9	2.93	45	03.9	A2	CZ	16144	P -45 8549
31	8.5E	8.5Z	21 33.394	0.0009	12	-49 24 22.37	-0.006	12	0.71	33.352	45	03.5	22.08	45	03.5	A0	CZ	16141	P -49 9975
32	9.9E	9.5Z	21 34.019	0.0007	12	-48 2 31.56	-0.004	12	0.70	33.988	45	04.5	31.39	45	04.5	A0	CZ	16143	P -47 8277
33	9.4E	9.8Z	21 39.155	-0.0001	12	-44 55 25.92	-0.019	12	0.71	39.161	45	03.6	25.03	45	03.6	A3	CZ	16149	P -44 8462
34	9.6E	9.4Z	21 40.891	-0.0001	12	-47 51 31.83	0.005	12	0.70	40.897	45	04.5	32.07	45	04.5	A2	CZ	16146D	P -47 8280
35	10.6E	10.2Z	21 41.411	-0.0006	12	-47 51 36.31	-0.037	12	0.70	41.439	45	04.5	34.64	45	04.5	A2	CZ	16147D	P -47 8280
36	9.1E	8.9*	21 41.432	0.0006	12	-47 37 46.74	-0.009	12	0.64	41.405	31	02.5	46.32	28	02.5	A0	CZ	16148	P -47 8281
37	9.7E	9.6Z	21 49.298	0.0012	12	-43 33 57.60	-0.008	12	0.72	49.243	45	03.1	57.20	45	03.1	B8	CZ	16154	P -43 8039
38	9.8E	9.5Z	21 51.428	0.0004	12	-47 26 36.79	-0.008	12	0.70	51.412	45	04.5	36.45	45	04.5	B8	CZ	16150	P -47 8286
39		8.2T	22 1.438	0.0015	20	-45 13 20.58	0.006	22	1.00	1.368	21	03.3	20.85	21	04.1	A3	GC	23547	C*-4511506
40		7.9T	22 1.691	-0.0001	20	-44 44 8.41	0.000	20	0.91	1.694	24	05.6	8.42	24	05.2	K0	GC	23548	C -4411703
41	8.7E	8.0Z	22 1.812	0.0007	12	-49 12 33.65	-0.007	12	0.71	1.780	45	03.9	33.32	45	03.9	K2	CZ	16152	P -49 9981
42		8.8T	22 3.946	0.0024	14	-41 17 43.59	-0.028	17	0.77	3.834	24	02.7	42.32	24	03.7	K2	GC	23551	C -4111600
43	7.4E	8.0Z	22 4.560	0.0002	12	-41 56 3.34	-0.000	12	0.67	4.549	28	98.9	3.32	26	98.9	A0	CZ	16161	P -41 7983
44		7.0T	22 7.195	-0.0003	15	-49 41 28.81	-0.005	12	0.72	7.211	22	00.7	28.54	19	96.6	B8	GC	23554	C -4911431
45	10.1E	9.8Z	22 9.413	0.0018	12	-44 48 25.84	-0.006	12	0.71	9.331	45	03.6	25.55	45	03.6	A0	CZ	16159	P -44 8470
46	10.0E	9.8Z	22 17.255	0.0009	12	-43 49 29.68	-0.003	12	0.72	17.214	45	03.1	29.52	45	03.1		CZ	16167	P -43 8046
47	9.9E	8.0Z	22 22.980	0.0009	12	-46 20 6.46	-0.011	12	0.70	22.918	45	04.9	5.98	45	04.9	K0	CZ	16166	P -46 8629
48	9.4E	8.9Z	22 24.400	0.0042	12	-48 32 48.92	-0.013	12	0.71	24.204	45	03.5	48.33	45	03.5	K0	CZ	16162	P -48 9191
49		9.5T	22 24.494	-0.0013	20	-44 0 26.86	-0.041	20	0.91	24.550	24	05.5	25.02	24	05.1	G0	GC	23562	C -4311684
50	8.5E	8.6Z	22 25.204	-0.0003	12	-42 30 51.41	-0.011	12	0.65	25.219	26	00.0	50.88	24	00.0	B5	CZ	16171	P -42 7761
51	8.8E	7.5Z	17 22 29.431	0.0003	12	-40 42 54.27	-0.010	12	0.68	29.415	28	97.6	53.75	26	97.6	K2	CZ	16177	P -40 7818
52	9.5E	8.9Z	22 30.911	-0.0000	12	-48 47 26.47	-0.038	12	0.71	30.911	45	03.5	24.69	45	03.5	G5	CZ	16168	P -48 9193
53	9.4E	9.7H	22 32.714	-0.0005	12	-40 13 38.67	-0.025	12	0.86	32.740	63	98.5	37.38	57	98.5	A0	CZ	16181	P -40 7819
54		7.2T	22 33.538	0.0038	16	-48 34 17.52	-0.009	13	0.76	33.352	19	01.1	17.06	18	98.0	F8	GC	23566	C -4811697
55	8.9E	9.3Z	22 33.607	0.0015	12	-44 30 40.68	-0.011	12	0.71	33.538	45	03.6	40.19	45	03.6	B8	CZ	16173	P -44 8484
56	9.2E	8.5Z	22 38.025	0.0021	12	-46 19 57.58	-0.004	12	0.64	37.925	31	02.7	57.41	28	02.7	A2	CZ	16175	P -46 8630
57	9.9E	9.4Z	22 42.234	0.0018	12	-43 14 12.61	-0.022	12	0.72	42.148	45	03.1	11.56	45	03.1	A0	CZ	16182	P -43 8054
58	7.9E	8.0Z	22 43.687	0.0005	12	-49 50 59.40	-0.023	12	0.64	43.663	31	02.4	58.29	28	02.4	B9	CZ	16172	P -49 9986
59	9.9E	9.2Z	22 44.337	0.0018	12	-48 53 17.87	-0.009	12	0.71	44.254	45	03.5	17.44	45	03.5	A3	CZ	16174	P -48 9197
60	9.7E	9.0Z	22 46.260	0.0011	12	-47 52 17.66	-0.004	12	0.70	46.211	45	04.5	17.49	45	04.5	K0	CZ	16178	P -47 8299
61	9.4E	9.5Z	22 47.941	0.0000	12	-42 3 29.07	0.019	12	0.73	47.941	45	01.6	30.01	45	01.6	B8	CZ	16187	P -41 7991
62		7.7T	22 53.030	0.0013	18	-44 35 11.61	-0.008	18	0.88	52.967	19	02.9	11.24	19	02.9	B8	GC	23576	C*-4411725
63	10.0E	9.9Z	22 53.491	0.0008	12	-45 28 18.70	0.000	12	0.71	53.457	45	03.9	18.72	45	03.9	F8	CZ	16184	P -45 8572
64	10.2E	9.0Z	22 58.343	0.0009	12	-45 42 20.50	-0.016	12	0.65	58.301	36	04.2	19.78	36	04.2	A0	CZ	16189	P -45 8573
65	9.9E	9.5Z	22 59.442	0.0009	12	-45 34 7.99	-0.009	12	0.65	59.400	36	04.2	7.60	36	04.2	A0	CZ	16191	P -45 8574
66		7.6T	23 2.900	-0.0012	17	-45 46 50.90	-0.013	12	0.73	2.959	19	02.6	50.24	19	99.6	A0	GC	23581	C -4511527
67	9.5E	8.2Z	23 3.998	0.0004	12	-43 3 7.98	-0.004	12	0.72	3.977	45	03.1	7.78	45	03.1	K0	CZ	16194	P -42 7762
68	9.7E	9.2Z	23 4.912	0.0004	12	-49 20 49.32	-0.011	12	0.71	4.893	45	03.9	48.80	45	03.9	A	CZ	16186	P -49 9991
69	8.9E	8.5Z	23 5.730	-0.0012	12	-49 17 59.51	-0.060	12	0.71	5.785	45	03.9	56.73	45	03.9	F5	CZ	16188	P -49 9992
70	8.4E	9.0Z	23 9.542	-0.0008	12	-42 11 22.74	-0.004	12	0.73	9.581	45	01.6	22.56	45	01.6	B8	CZ	16198	P -42 7765
71		5.8Q	23 9.916	-0.0038	11	-45 48 2.15	-0.039	08	0.57	10.125	22	94.2	59.80	18	89.9	B9	GC	23589K	C*-4511531
72		7.1Q	23 10.369	0.0020	12	-45 48 0.53	-0.018	08	0.54	10.268	19	00.9	59.54	17	95.9		GC	23590	C -4511531
73	10.0E	9.9Z	23 14.443	0.0005	12	-44 39 35.36	-0.006	12	0.66	14.420	36	03.9	35.07	36	03.9	B8	CZ	16197	P -44 8502
74		7.0T	23 18.675	0.0004	16	-47 5 38.95	-0.003	12	0.72	18.657	18	01.9	38.79	21	97.6	B3	GC	23596	C -4711549
75	9.1E	9.4H	23 19.544	0.0003	12	-40 10 9.28	-0.009	12	0.76	19.529	45	98.5	8.81	45	98.5	A0	CZ	16203	P -40 7826
76	8.6E	8.5Z	23 20.873	0.0000	12	-46 33 16.92	-0.002	12	0.65	20.871	36	04.8	16.84	36	04.8	B9	CZ	16199	P -46 8636
77	9.2E	9.2Z	23 26.141	0.0012	12	-47 17 36.71	-0.013	12	0.65	26.084	36	04.6	36.14	36	04.6	A2	CZ	16200	P -47 8309
78	10.2E	8.0Z	23 26.363	-0.0001	12	-46 40 26.13	-0.024	12	0.65	26.365	36	04.8	25.06	36	04.8	MA	CZ	16201	P -46 8640
79	9.4E	8.5Z	23 34.286	-0.0021	12	-47 53 58.92	-0.017	12	0.62	34.386	28	03.0	58.14	26	03.0	G5	CZ	16202	P -47 8314
80	8.6E	9.1H	23 35.530	0.0001	12	-40 5 43.06	0.004	12	0.76	35.525	45	98.5	43.26	45	98.5	A0	CZ	16205	P -40 7827
81	9.6E	8.5Z	23 35.800	-0.0028	12	-46 54 24.93	-0.008	12	0.65	35.925	36	04.8	24.59	36	04.8	G5	CZ	16204D	P*-46 8643
82	9.0E	9.0Z	23 47.519	0.0001	12	-40 26 6.88	-0.007	12	0.86	47.514	63	98.5	6.52	57	98.5	B8	CZ	16209	P -40 7831
83	10.0E	9.7Z	23 48.563	0.0005	12	-45 37 38.01	-0.010	12	0.65	48.539	36	04.2	37.37	36	04.2	A0	CZ	16206	P -45 8593
84		7.2T	23 56.275	0.0020	16	-43 30 0.89	-0.130	13	0.76	56.177	17	00.8	54.16	18	98.1	F2	GC	23615	C -4311711
85	10.0E	8.5Z	23 57.332	0.0015	12	-48 41 42.20	0.002	12	0.71	57.263	45	03.5	42.28	45	03.5	K2	CZ	16207	P -48 9213
86	10.0E	9.5Z	23 57.565	0.0006	12	-45 30 37.19	-0.081	12	0.65	57.539	36	04.2	34.42	36	04.2	G0	CZ	16208	P -45 8601
87		9.4T	24 1.468	0.0029	20	-44 45 53.37	0.011	20	0.91	1.337	24	05.5	53.87	24	05.1	G5	GC	23620	C*-4411743
88	8.4E	8.0Z	24 1.990	-0.0033	12	-46 54 29.19	-0.124	12	0.65	2.137	36	04.8	23.61	36	04.8	G5	CZ	16210	P -46 8652
89		8.1T	24 3.851	0.0016	12	-41 16 13.53	-0.024	13	0.66	3.772	18	99.2	12.29	18	99.5	B5	GC	23624K	C*-4111645
90		6.7T	24 10.121	0.0001	16	-46 59 6.60	-0.007	13	0.76	10.118	19	01.0	6.23	18	97.7	B2P	GC	23628	C*-4611530
91		7.8T	24 14.118	-0.0004	16	-47 19 23.57	-0.044	13	0.76	14.139	19	00.8	21.25	18	97.5	A2	GC	23630	C -4711569
92	9.1E	9.0Z	24 18.729	0.0009	12	-45 42 47.66	0.003	12	0.65	18.687	36	04.2	47.81	36	04.2	B9	CZ	16216	P -45 8603
93		8.7T	24 19.244	-0.0040	20	-44 40 47.38	-0.029	20	0.91	19.420	24	05.6	46.09	24	05.2	A0	GC	23636	C -4411748
94	8.4E	8.5Z	24 20.889	0.0028	12	-42 21 59.59	-0.094	12	0.73	20.753	45	01.6	55.07	45	01.6	G5	CZ	16218	P -42 7771
95	9.2E	9.0Z	24 32.055	-0.0001	12	-45 41 31.37	0.008	12	0.70	32.059	45	04.9	31.74	45	04.9	B9	CZ	16219	P -45 8609
96		9.2T	24 32.933	0.0022	20	-45 27 43.13	-0.039	20	0.91	32.836	24	05.6	41.38	24	05.2	K0	GC	23639	C -4511566
97	9.6E	9.0Z	24 36.918	0.0002	12	-40 47 25.33	0.003	12	0.86	36.908	63	98.5	25.69	57	98.5	A0	CZ	16223	P -40 7839
98	9.3E	9.4Z	24 37.504	0.0005	12	-43 39 17.05	-0.013	12	0.72	37.481	45	03.1	16.42	45	03.1	A0	CZ	16220	P -43 8083
99	9.0E	8.0Z	24 46.725	0.0003	12	-46 49 52.50	-0.038	12	0.70	46.710	45	04.9	50.80	45	04.9	G5	CZ	16221	P -46 8662
00	9.9E	9.6Z	24 52.133	0.0004	12	-44 36 34.24	-0.002	12	0.70	52.113	45	04.8	34.14	45	04.6	B5	CZ	16227	P -44 8529

228000 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −40° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.5E	9.0Z	17 24 53.258	0.0002	12	−45 16 19.94	−0.016	12	0.64	53.250	31	02.7	19.20	28	02.7	A0	CZ	16226	P −45 8620
2	9.5E	9.0Z	24 54.408	0.0013	12	−40 17 56.61	−0.019	12	0.68	54.340	28	97.6	55.61	26	97.6	B0	CZ	16230	P −40 7843
3	9.4E	10.0Z	24 54.988	0.0011	12	−41 11 17.72	−0.010	12	0.74	54.933	45	00.1	17.22	45	00.1	A0	CZ	16229	P −41 8002
4	9.4E	9.4Z	24 56.144	0.0005	12	−46 29 0.92	−0.008	12	0.70	56.120	45	04.9	0.58	45	04.9	A0	CZ	16225	P −46 8665
5	8.8E	8.5Z	25 0.348	0.0011	12	−48 58 33.67	−0.014	12	0.63	0.295	26	02.2	32.98	26	02.2	A0	CZ	16224	P −48 9228
6	9.3E	9.0Z	25 14.842	0.0008	12	−42 38 52.43	−0.022	12	0.73	14.801	45	01.6	51.35	45	01.6	A0	CZ	16232	P −42 7779
7	9.3E	8.5Z	25 15.142	−0.0012	12	−42 30 21.42	−0.043	12	0.73	15.199	45	01.6	19.36	45	01.6	F5	CZ	16233	P −42 7760
8	9.3E	9.6Z	25 15.463	0.0005	12	−41 12 30.79	0.001	12	0.74	15.459	45	00.1	30.84	45	00.1	B8	CZ	16235	P −41 8004
9	9.5E	9.3H	25 17.082	0.0007	12	−45 11 43.11	−0.019	12	0.70	17.052	45	04.9	42.27	45	04.9	A5	CZ	16231	P −45 8622
10		6.5T	25 23.304	−0.0007	11	−43 56 2.93	−0.017	11	0.60	23.339	21	97.5	2.00	18	95.1	B9	GC	23656K	C −4311741
11		9.8T	25 23.487	−0.0015	14	−43 56 15.68	0.002	22	0.87	23.555	24	03.9	15.77	24	05.9		GC	23657K	C −4311741
12	9.3E	9.4Z	25 27.186	0.0009	12	−42 34 24.92	−0.004	12	0.73	27.140	45	01.6	20.36	45	01.6	G5	CZ	16238	P −42 7781
13	9.3E	9.5Z	25 34.220	0.0001	12	−44 45 13.24	−0.009	12	0.70	34.216	45	04.6	12.82	45	04.6	A0	CZ	16239	P −44 8538
14	9.3E	9.0Z	25 34.821	0.0005	12	−41 39 0.52	−0.009	12	0.74	34.796	45	00.1	0.09	45	00.1	A5	CZ	16245	P −41 8005
15		7.8T	25 39.652	−0.0024	17	−46 39 24.58	−0.010	12	0.77	39.771	17	00.9	24.05	18	97.7	B5	GC	23667	C −4611557
16		9.2T	25 42.341	0.0002	20	−45 17 43.91	0.009	20	0.91	42.332	24	05.5	44.31	24	05.1	K0	GC	23668	C −4511587
17	7.9E	7.5Z	25 44.793	−0.0007	12	−40 42 26.04	−0.001	12	0.86	44.828	63	98.5	26.00	57	98.5	B9	CZ	16249	P −40 7851
18	9.4E	9.0Z	25 46.915	0.0006	12	−48 27 22.09	−0.003	12	0.71	46.795	45	03.5	21.97	45	03.5	A3	CZ	16242	P −48 9236
19	8.9E	8.0Z	25 48.733	0.0006	12	−49 45 1.19	−0.051	12	0.64	48.706	31	02.4	58.78	28	02.4	F8	CZ	16241	P −4910022
20	9.5E	9.4Z	25 49.162	0.0005	12	−47 37 18.54	−0.003	12	0.70	49.141	45	04.6	18.42	45	04.6	A2	CZ	16246	P −47 8333
21	9.5E	8.5Z	25 51.037	−0.0000	12	−40 14 54.33	−0.035	12	0.86	51.038	63	98.5	52.33	57	98.5	K0	CZ	16251	P −40 7854
22	9.5E	8.5Z	25 56.643	0.0009	12	−48 3 59.81	−0.004	12	0.63	56.602	28	02.2	59.63	26	02.2	A0	CZ	16247	P −48 9243
23	8.8E	8.5Z	25 57.834	0.0008	12	−40 16 24.95	−0.021	12	0.68	57.792	28	97.5	23.85	26	97.5	A0	CZ	16257D	P*−40 7855
24	8.8E	9.0Z	26 0.079	0.0009	12	−42 34 3.13	−0.013	12	0.73	0.033	45	01.6	2.49	45	01.6	A0	CZ	16253	P −42 7788
25	9.8E	9.2Z	26 9.365	0.0001	12	−45 40 48.31	−0.002	12	0.70	9.360	45	04.9	48.24	45	04.9	B8	CZ	16256	P −45 8630
26	8.8E	8.5Z	26 9.393	−0.0006	12	−46 58 3.77	0.026	12	0.70	9.418	45	04.9	4.96	45	04.9	F2	CZ	16254	P −46 8680
27		9.7T	26 9.599	0.0043	20	−45 40 49.16	−0.025	26	1.02	9.407	24	06.0	48.07	24	06.6	B8	GC	23675	C −4511593
28	9.6E	9.6H	26 9.950	−0.0002	12	−44 55 51.17	−0.013	12	0.70	9.959	45	04.6	50.56	45	04.6	A0	CZ	16258	P −44 8545
29		7.8T	26 12.785	−0.0015	15	−44 42 8.99	−0.009	13	0.74	12.856	19	01.1	8.54	18	98.5	B8	GC	23676	C −4411784
30	9.7E	9.5Z	26 13.261	−0.0013	12	−41 38 48.84	−0.031	12	0.74	13.326	45	00.1	47.32	45	00.1	F5	CZ	16262	P −41 8012
31	9.3E	9.5Z	26 18.962	0.0008	12	−48 34 29.92	−0.007	12	0.71	18.925	45	03.5	29.58	45	03.5	A0	CZ	16259	P −48 9246
32	8.8E	8.5Z	26 19.852	0.0006	12	−46 6 28.25	−0.007	12	0.64	19.823	31	02.8	27.94	28	02.8	A0	CZ	16261	P −46 8682
33	8.8E	8.5Z	26 22.529	0.0034	12	−43 30 49.05	−0.038	12	0.72	22.368	45	03.1	47.25	45	03.1	F5	CZ	16264	P −43 8098
34	9.5E	9.5Z	26 22.726	0.0002	12	−42 12 5.35	−0.004	12	0.73	22.716	45	01.6	5.18	45	01.6		CZ	16265	P −42 7790
35	8.5E	9.0Z	26 25.108	0.0015	12	−41 31 43.66	0.004	12	0.66	25.032	28	99.2	43.86	26	99.2	A0	CZ	16267	P −41 8014
36	9.6E	9.0Z	26 26.322	0.0001	12	−46 9 40.18	−0.014	12	0.70	26.317	45	04.9	39.56	45	04.9	A0	CZ	16263	P −46 8684
37	9.2E	8.5Z	26 26.742	0.0006	12	−42 17 36.93	−0.009	12	0.65	26.712	28	99.9	36.50	26	99.9	B8	CZ	16268	P −42 7792
38	9.1E	9.0Z	26 30.486	0.0002	12	−42 25 3.92	0.004	12	0.73	30.477	45	01.6	4.13	45	01.6	A0	CZ	16269	P −42 7793
39	9.8E	9.0Z	26 31.786	−0.0008	12	−40 21 57.38	−0.015	12	0.86	31.828	63	98.5	56.60	57	98.5	A0	CZ	16273	P −40 7864
40		8.7T	26 34.052	−0.0015	20	−45 39 22.63	−0.038	20	0.91	34.121	24	05.6	20.92	24	05.2	K2	GC	23680	C −4511598
41	9.5E	9.5Z	26 36.380	0.0000	12	−43 9 18.51	−0.023	12	0.72	36.378	45	03.1	17.42	45	03.1	A0	CZ	16271	P −43 8103
42	9.0E	9.3Z	26 37.436	0.0004	12	−44 9 30.73	−0.015	12	0.70	37.418	45	04.6	30.03	45	04.6	A0	CZ	16270D	P*−44 8547
43	9.4E	9.2Z	26 40.116	0.0010	12	−42 52 25.35	−0.024	12	0.65	40.064	28	00.1	24.14	26	00.1	F0	CZ	16274	P −42 7794
44	9.1E	9.5Z	26 42.693	0.0008	12	−42 52 10.47	−0.015	12	0.71	42.658	45	03.9	9.81	45	03.9	B8	CZ	16266	P −4910037
45	8.8E	8.0Z	26 51.603	−0.0018	12	−40 33 35.26	−0.023	12	0.86	51.697	63	98.5	34.07	57	98.5	F8	CZ	16279	P −40 7871
46		7.5T	26 51.926	−0.0003	18	−43 42 56.54	−0.028	14	0.84	51.939	18	00.8	55.09	18	98.2	F5	GC	23683	C −4311763
47	9.7E	9.3H	26 52.859	−0.0001	12	−47 6 33.30	−0.016	12	0.64	52.862	31	02.5	32.56	28	02.5	A0	CZ	16275	P −47 8338
48		6.9T	26 57.767	0.0036	09	−43 11 15.14	−0.011	08	0.41	57.613	15	07.2	14.64	14	03.7	F5	GC	23684	C −4311765
49	7.9E	8.5Z	27 3.761	0.0002	12	−43 1 25.57	−0.015	12	0.73	3.754	45	01.6	24.84	45	01.6	B9	CZ	16282D	P*−42 7799
50	8.8E	7.7Z	27 6.214	0.0003	12	−40 48 1.53	0.012	12	0.86	6.199	63	98.5	2.15	57	98.5	K0	CZ	16285	P −40 7874
51	10.7E	9.5H	17 27 11.884	−0.0004	12	−42 24 57.04	0.010	12	0.73	11.902	45	01.6	57.55	45	01.6	A0	CZ	16286	P −42 7800
52	8.8E	8.0Z	27 12.199	0.0012	12	−42 25 11.97	−0.028	12	0.73	12.140	45	01.6	10.63	45	01.6	A0	CZ	16287	P −42 7800
53	9.8E	9.0Z	27 14.802	0.0052	12	−49 41 18.34	−0.071	12	0.71	14.564	45	03.9	15.09	45	03.9	G0	CZ	16281	P −4910043
54	8.8E	8.2Z	27 15.466	0.0018	12	−40 50 4.63	0.011	12	0.86	15.373	63	98.5	5.19	57	98.5	F0	CZ	16291	P −40 7879
55	8.9E	9.0Z	27 16.243	0.0018	12	−42 9 1.78	−0.018	12	0.73	16.156	45	01.6	0.92	45	01.6	A2	CZ	16288	P −42 7802
56	9.8E	9.4Z	27 17.439	−0.0001	12	−42 44 2.04	−0.004	12	0.73	17.442	45	01.6	1.83	45	01.6	A2	CZ	16289	P −42 7801
57	10.3E	9.1Z	27 19.739	−0.0014	12	−47 19 31.98	−0.017	12	0.70	19.805	45	04.6	31.23	45	04.6	G5	CZ	16283	P −47 8344
58	8.3E	8.5Z	27 20.688	0.0001	12	−41 59 23.91	−0.029	12	0.74	20.663	45	00.1	22.49	45	00.1	F0	CZ	16294	P −41 8022
59	8.4E	8.0Z	27 24.053	−0.0000	12	−40 37 21.59	0.005	12	0.86	24.054	63	98.5	21.85	57	98.5	K0	CZ	16297	P −40 7880
60	10.8E	9.6H	27 25.758	0.0000	12	−49 18 54.95	−0.042	12	0.64	25.757	31	02.5	52.94	28	02.5		CZ	16284	P −4910047
61	8.9E	8.5Z	27 26.849	0.0007	12	−46 6 57.71	−0.016	12	0.70	26.816	45	04.9	57.00	45	04.9	A2	CZ	16290	P −46 8695
62	9.4E	9.5Z	27 28.543	0.0005	12	−45 51 10.41	−0.006	12	0.70	28.520	45	04.9	10.16	45	04.9	A0	CZ	16293	P −45 8644
63	9.5E	9.0Z	27 32.327	0.0006	12	−45 41 27.44	−0.004	12	0.70	32.300	45	04.9	27.27	45	04.9	A3	CZ	16295	P −45 8645
64	9.9E	9.5Z	27 45.350	0.0008	12	−46 31 21.90	−0.009	12	0.70	45.312	45	04.9	21.50	45	04.9	A	CZ	16298	P −46 8697
65	9.4E	9.0Z	27 54.454	0.0086	12	−41 53 22.15	−0.088	12	0.74	54.024	45	00.1	17.78	45	00.1	K0	CZ	16303	P −41 8029
66		7.0T	27 54.672	−0.0007	17	−48 42 52.09	0.046	13	0.77	54.705	19	02.4	54.43	18	99.3	F0	GC	23707K	C*−4811785
67	9.6E	9.0Z	27 55.680	0.0009	12	−42 22 48.78	0.004	12	0.73	55.637	45	01.6	49.00	45	01.6	A0	CZ	16304	P −42 7806
68	8.5E	9.0Z	27 55.733	0.0002	12	−41 58 25.36	−0.012	12	0.67	55.723	28	98.9	24.77	26	98.9	A0	CZ	16305	P −41 8030
69		3.0H	27 58.353	−0.0025	02	−49 50 19.61	−0.071	02	0.09	58.448	05	11.8	16.91	05	12.1	B3P	F4	651	C −4911511
70	9.6E	9.8Z	27 59.337	−0.0000	12	−43 35 41.09	−0.006	12	0.72	59.338	45	03.1	40.79	45	03.1	A0	CZ	16306	P −43 8118
71		8.5T	28 0.646	0.0019	18	−45 30 15.93	−0.016	20	0.91	0.554	21	03.2	15.17	19	03.0	F0	GC	23709	C −4511625
72		9.5T	28 2.659	0.0005	18	−44 17 0.27	−0.007	20	0.89	2.635	24	04.4	59.95	24	04.4	A0	GC	23710	C −4411812
73	12.0E	10.5H	28 5.755	0.0003	12	−46 0 18.22	−0.039	12	0.65	5.740	36	05.1	16.49	36	05.1	G0	CZ	16307	P −45 8654
74	8.8E	8.2Z	28 5.849	0.0016	12	−41 0 32.14	−0.013	12	0.86	5.767	63	98.5	31.47	57	98.5	A0	CZ	16313	P −40 7884
75		6.3T	28 6.624	0.0002	11	−46 0 0.38	0.008	08	0.43	6.614	15	09.4	0.73	15	05.4	G0	GC	23713K	C −4511626
76	10.0E	9.5Z	28 8.337	−0.0000	12	−44 17 4.06	0.001	12	0.65	8.338	36	04.6	4.09	36	04.6	A0	CZ	16311	P −44 8567
77	9.5E	9.5Z	28 8.480	0.0005	12	−41 40 18.25	−0.002	12	0.74	8.455	45	00.1	18.12	45	00.1	A0	CZ	16315	P −41 8033
78		7.5T	28 11.273	0.0003	12	−41 0 11.70	−0.019	11	0.63	11.260	18	99.6	10.64	21	96.0	B9	GC	23714K	C*−4011553
79		6.9T	28 14.279	0.0021	16	−46 3 21.06	−0.023	11	0.71	14.177	22	02.4	19.81	21	96.1	K2	GC	23716	C −4511628
80	10.0E	9.5Z	28 17.501	0.0010	12	−45 56 55.44	−0.005	12	0.65	17.456	36	05.1	55.24	36	05.1	A0	CZ	16314	P −45 8657
81	9.0E	9.0Z	28 21.008	−0.0012	12	−42 25 42.18	−0.009	12	0.68	21.065	36	01.6	41.77	36	01.6	A0	CZ	16320	P −42 7809
82	9.7E	9.6Z	28 24.001	0.0002	12	−47 27 21.11	−0.009	12	0.65	23.994	36	04.6	20.71	36	04.6	A0	CZ	16316	P −47 8350
83	10.0E	9.2Z	28 28.812	−0.0003	12	−44 17 11.05	−0.018	12	0.65	28.826	36	04.6	10.21	36	04.6	A0	CZ	16321	P −44 8573
84		9.5T	28 29.414	0.0033	20	−44 17 4.61	−0.046	22	0.96	29.266	24	05.6	2.59	24	05.9	A0	GC	23720K	C*−4411821
85	8.9E	9.0Z	28 34.087	0.0008	12	−45 49 9.77	−0.019	12	0.65	34.050	36	05.1	8.93	36	05.1	B9	CZ	16323	P −45 8662
86		9.0T	28 36.741	0.0001	20	−44 20 29.39	0.009	20	0.94	36.735	21	03.3	29.82	19	03.1	B8	GC	23723	C −4411826
87	9.1E	8.8Z	28 39.031	0.0003	12	−46 35 35.30	−0.014	12	0.62	39.015	28	03.4	34.66	26	03.4	G0	CZ	16325D	P*−46 8708
88	9.9E	9.2Z	28 40.662	−0.0009	12	−40 28 0.57	−0.032	12	0.86	40.709	63	98.5	58.92	57	98.5	F5	CZ	16335	P −40 7888
89	9.8E	9.3Z	28 42.825	0.0009	12	−49 9 5.99	0.013	12	0.71	42.784	45	03.9	6.57	45	03.9		CZ	16324	P −4910064
90	9.8E	9.0Z	28 44.968	−0.0000	12	−40 24 51.91	0.000	12	0.86	44.969	63	98.5	51.91	57	98.5	A0	CZ	16338	P −40 7889
91		8.0T	28 45.590	−0.0034	17	−42 8 42.73	−0.020	13	0.78	45.758	18	01.2	41.70	17	98.4	A0	GC	23728	C −4212232
92	9.8E	9.3Z	28 48.448	0.0010	12	−40 13 35.12	−0.011	12	0.86	48.397	63	98.5	34.55	57	98.5	A2	CZ	16340	P −40 7890
93	9.4E	9.0Z	28 50.664	0.0017	12	−48 21 4.07	−0.008	12	0.66	50.586	36	03.9	3.72	36	03.9	B8	CZ	16329	P −48 9279
94	9.7E	9.9Z	28 51.082	0.0008	12	−46 50 14.95	−0.017	12	0.65	51.045	36	05.1	14.21	36	05.1	A0	CZ	16332	P −46 8709
95	9.9E	9.0Z	28 54.799	0.0009	12	−48 33 8.72	−0.012	12	0.66	54.758	36	03.9	8.15	36	03.9	A0	CZ	16331	P −48 9280
96	10.0E	10.0Z	28 55.963	−0.0002	12	−44 17 39.32	−0.012	12	0.65	55.973	36	04.6	38.76	36	04.6	A0	CZ	16339	P −44 8583
97	9.2E	9.0Z	28 56.335	0.0002	12	−47 32 2.62	−0.003	12	0.62	56.327	28	03.0	2.50	26	03.0	B8	CZ	16333	P −47 8354
98	8.4E	9.0Z	28 58.102	0.0005	12	−41 16 5.82	−0.008	12	0.74	58.078	45	00.1	5.41	45	00.1	A0	CZ	16344	P −41 8041
99	9.8E	9.0Z	29 1.394	0.0011	12	−48 27 56.98	−0.016	12	0.66	1.345	36	03.9	56.25	36	03.9	A2	CZ	16337	P −48 9282
00	9.1E	8.0Z	29 6.236	−0.0004	12	−46 13 13.34	0.002	12	0.65	6.253	36	05.1	13.45	36	05.1	K0	CZ	16342	P −46 8712

228100 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −40° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.2E	8.5Z	17 29 6.638	0.0019	12	-42 19 46.29	-0.013	12	0.73	6.546	45	01.6	45.68	45	01.6	B8	CZ	16346	P -42 7812
2		9.0T	29 11.896	0.0011	20	-44 59 27.86	0.016	20	0.91	11.847	24	05.6	28.58	24	05.2	B8	GC	23739	C*-4411840
3	9.9E	9.5Z	29 13.912	0.0011	12	-49 37 40.89	-0.017	12	0.71	13.863	45	03.9	40.09	45	03.9	F8	CZ	16341	P -4910069
4	8.3E	8.2Z	29 21.624	0.0005	12	-42 4 27.18	-0.019	12	0.73	21.599	45	01.6	26.28	45	01.6	A0	CZ	16347	P -42 7813
5	9.5E	9.0Z	29 24.528	-0.0001	12	-40 53 1.14	-0.007	12	0.86	24.533	63	98.5	0.78	57	98.5	F0	CZ	16352	P -40 7893
6		8.1T	29 27.323	0.0029	20	-44 27 49.37	0.003	20	0.91	27.193	24	05.6	49.51	24	05.2	B8	GC	23745	C -4411846
7		7.1T	29 32.848	0.0019	17	-45 28 35.92	-0.021	13	0.77	32.758	22	02.6	34.83	21	98.1	B9	GC	23747K	C*-4511652
8	9.4E	9.5Z	29 33.867	0.0001	12	-43 55 47.47	-0.016	12	0.72	33.864	45	03.1	46.70	45	03.1	A0	CZ	16354	P -43 8135
9	8.8E	8.0Z	29 35.172	-0.0005	12	-46 43 47.83	-0.023	12	0.70	35.193	45	05.0	46.81	45	05.0	K0	CZ	16350	P -46 8717
10		6.1T	29 35.638	0.0003	07	-41 8 18.72	-0.024	07	0.32	35.627	12	07.8	17.64	12	06.1	B9	GC	23748	C -4111742
11	9.0E	9.0Z	29 38.926	0.0008	12	-43 11 36.46	-0.023	12	0.72	38.887	45	03.1	35.36	45	03.1	A2	CZ	16356	P -43 8136
12	9.8E	9.5Z	29 42.860	0.0004	12	-43 12 57.69	-0.012	12	0.65	42.838	28	00.9	57.09	26	00.9	A0	CZ	16359	P -43 8137
13	8.6E	8.5Z	29 47.387	0.0014	12	-45 52 56.01	-0.015	12	0.70	47.323	45	05.0	55.35	45	05.0	A0	CZ	16358	P -45 8674
14	9.4E	8.5Z	29 50.992	-0.0001	12	-46 2 58.60	-0.007	12	0.70	50.996	45	05.0	58.30	45	05.0	K0	CZ	16360	P -45 8675
15		7.4T	29 54.767	0.0011	17	-42 21 54.24	0.001	13	0.78	54.716	22	02.7	54.29	21	98.6	B5	GC	23756	C -4212245
16	10.0E	9.8Z	30 2.566	0.0001	12	-42 39 11.30	-0.002	12	0.73	2.560	45	01.6	11.22	45	01.6		CZ	16363	P -42 7819
17		9.1T	30 3.450	0.0010	26	-44 16 31.08	-0.013	22	1.08	3.405	24	06.9	30.49	24	05.7	K7	GC	23764	C -4411854
18	9.3E	8.0Z	30 4.380	0.0006	12	-46 33 8.27	-0.022	12	0.70	4.353	45	05.0	7.29	45	05.0	K0	CZ	16362	P -46 8726
19	9.9E	10.0Z	30 11.413	0.0001	12	-42 38 24.10	-0.011	12	0.73	11.408	45	01.6	23.58	45	01.6		CZ	16368	P -42 7822
20		7.9T	30 14.385	-0.0003	20	-44 2 31.96	0.027	20	0.91	14.397	24	05.6	33.15	24	05.2	B8	GC	23771	C -4311621
21		8.1T	30 15.096	0.0060	18	-45 35 35.79	0.009	22	0.98	14.813	21	03.2	36.20	19	03.4	B0	GC	23772	C -4511660
22		9.5T	30 19.868	0.0000	20	-44 19 6.40	-0.003	20	0.91	19.866	24	05.6	6.25	24	05.2	A3	GC	23773	C -4411857
23		7.8T	30 20.386	0.0025	16	-46 33 59.55	0.003	14	0.81	20.268	24	03.9	59.69	21	99.3	B8	GC	23775	C -4611632
24		7.5T	30 23.045	-0.0008	17	-48 26 3.73	0.013	13	0.77	23.063	24	03.3	4.37	21	98.9	M0	GC	23776	C -4811820
25	9.8E	8.8Z	30 27.833	0.0001	12	-49 6 52.76	-0.025	12	0.71	27.831	45	03.9	51.59	45	03.9	K0	CZ	16369	P -4910088
26		6.6T	30 28.245	-0.0029	09	-48 29 37.39	0.045	06	0.37	28.367	15	08.2	39.50	15	02.7	G5	GC	23779	C -4811621
27		7.1T	30 30.495	0.0001	14	-44 58 21.20	0.007	12	0.69	30.488	15	99.9	21.56	17	96.6	B9	GC	23780	C*-4411859
28		8.0T	30 32.067	0.0015	20	-41 36 50.49	-0.037	20	0.91	32.002	24	05.5	48.81	24	05.1	K2	GC	23781	C -4111759
29	9.6E	8.7Z	30 33.761	-0.0001	12	-49 9 48.40	-0.009	12	0.71	33.767	45	03.9	47.97	45	03.9	G5	CZ	16372	P -4910090
30		7.3T	30 44.468	-0.0006	12	-40 59 33.32	-0.023	11	0.62	44.500	22	99.5	32.08	21	96.3	A2	GC	23784	C -4011593
31	9.8E	10.0Z	30 44.838	0.0004	12	-44 20 8.93	-0.016	12	0.70	44.822	45	04.6	8.20	45	04.6	A2	CZ	16376	P -44 8604
32	9.9E	8.7Z	30 47.562	0.0017	12	-42 1 26.13	0.011	12	0.74	47.478	45	00.1	26.68	45	00.1		CZ	16380	P -41 8060
33	9.2E	9.7Z	30 49.081	-0.0006	12	-42 52 21.40	-0.005	12	0.73	49.110	45	01.6	21.17	45	01.6	B9	CZ	16379	P -42 7828
34	8.5E	8.6*	30 49.533	0.0006	12	-49 16 36.27	-0.017	12	0.64	49.505	31	02.4	35.45	28	02.4	A0	CZ	16374	P -4910092
35		7.1T	30 52.242	0.0008	10	-40 29 52.16	-0.019	08	0.43	52.210	15	07.8	51.31	14	04.8	B8	GC	23789	C -4011595
36	9.5E	9.5Z	30 52.553	-0.0024	12	-47 17 37.00	-0.034	12	0.70	52.661	45	04.6	35.48	45	04.6	F0	CZ	16377	P -47 8369
37	8.8E	8.7Z	30 53.766	0.0005	12	-43 7 36.76	-0.009	12	0.72	53.742	45	03.1	36.35	45	03.1	A0	CZ	16383	P -43 8146
38	9.8E	9.3Z	31 0.060	0.0013	12	-41 8 16.23	0.005	12	0.74	-59.997	45	00.1	16.50	45	00.1	A0	CZ	16390	P -41 8061
39	9.6E	9.2Z	31 1.456	0.0006	12	-43 6 49.23	-0.018	12	0.72	1.428	45	03.1	48.39	45	03.1		CZ	16388	P -43 8147
40		7.9T	31 3.928	0.0009	18	-47 50 45.79	0.006	14	0.84	3.885	19	01.2	46.08	18	98.2	B8	GC	23794	C -4711643
41	8.6E	9.0Z	31 4.991	0.0014	12	-48 35 59.95	-0.008	12	0.71	4.928	45	03.6	59.56	45	03.6	B8	CZ	16381	P -48 9310
42	9.7E	9.1H	31 6.115	-0.0013	12	-45 5 13.75	0.005	12	0.70	6.172	45	05.0	14.00	45	05.0	K0	CZ	16389	P -45 8685
43		7.5T	31 8.480	0.0027	17	-41 17 27.36	0.011	16	0.83	8.350	19	01.1	27.91	18	00.4	B5	GC	23796	C -4111776
44	9.6E	8.7Z	31 10.960	-0.0021	12	-40 43 53.56	-0.037	12	0.86	11.070	63	98.5	51.68	57	98.5	F8	CZ	16395	P -40 7907
45	8.8E	9.3Z	31 14.701	-0.0016	12	-46 57 52.17	-0.009	12	0.62	14.776	28	02.8	51.76	26	02.8	B9	CZ	16391	P -46 8736
46	10.0E	9.6H	31 14.841	0.0005	12	-49 54 25.89	-0.012	12	0.64	14.816	31	02.5	25.29	28	02.5	F5	CZ	16387	P -4910099
47	9.7E	8.7Z	31 14.956	-0.0015	12	-44 54 42.97	-0.018	12	0.70	15.026	45	04.6	42.16	45	04.6	K0	CZ	16393	P -44 8609
48	9.7E	9.5Z	31 17.607	0.0010	12	-41 48 55.05	-0.005	12	0.74	17.559	45	00.1	48.33	45	00.1	A0	CZ	16398	P -41 8064
49	7.8E	8.5Z	31 19.054	0.0012	12	-42 53 3.50	-0.006	12	0.65	18.993	28	00.2	3.22	26	00.2	B9	CZ	16397	P -42 7832
50	8.8E	8.7Z	31 19.260	0.0009	12	-44 12 13.96	-0.010	12	0.70	19.217	45	04.6	13.51	45	04.6	B5	CZ	16396	P -44 8611
51	8.0E	8.5Z	17 31 21.547	0.0014	12	-49 6 27.84	-0.022	12	0.71	21.484	45	03.9	26.82	45	03.9	A2	CZ	16392	P -4910101
52	8.6E	9.0Z	31 24.708	0.0010	12	-42 59 14.84	-0.007	12	0.73	24.659	45	01.6	14.51	45	01.6	B8	CZ	16400	P -42 7833
53	8.0E	7.9H	31 26.584	0.0023	12	-40 2 17.39	-0.021	12	0.86	26.468	63	98.5	16.33	57	98.5	A2	CZ	16401	P -39 7449
54	9.1E	8.5Z	31 29.277	0.0005	12	-45 16 14.98	-0.019	12	0.70	29.254	45	05.0	14.14	45	05.0	K0	CZ	16399	P -45 8693
55	8.7E	8.5Z	31 36.546	0.0006	12	-44 1 17.84	-0.018	12	0.62	36.519	24	01.1	16.96	20	01.1	B8	CZ	16402	P -43 8153
56	11.3E	9.2H	31 39.160	0.0003	12	-45 3 27.67	-0.004	12	0.70	39.146	45	05.0	27.51	45	05.0		CZ	16403	P -45 8694
57	9.8E	8.5Z	31 39.609	-0.0013	12	-45 3 44.87	-0.027	12	0.70	39.666	45	05.0	43.67	45	05.0		CZ	16404	P -45 8694
58	9.8E	9.8Z	31 46.992	0.0006	12	-42 23 56.74	-0.011	12	0.73	46.964	45	01.6	56.20	45	01.6	B9	CZ	16408	P -42 7837
59	10.1E	9.0Z	31 50.474	0.0015	12	-45 30 2.98	-0.039	12	0.70	50.406	45	05.0	1.24	45	05.0	F8	CZ	16406	P -45 8697
60	9.8E	8.7Z	31 50.701	-0.0030	12	-43 0 39.89	-0.020	12	0.73	50.846	45	01.6	38.93	45	01.6	K0	CZ	16409	P -42 7839
61	9.8E	8.5Z	31 53.127	0.0012	12	-41 48 49.13	-0.010	12	0.74	53.068	45	00.1	48.62	45	00.1	K0	CZ	16410	P -41 8069
62		4.6T	31 55.972	-0.0027	07	-46 28 24.10	-0.034	06	0.29	56.064	10	08.2	22.56	10	05.1	A0	GC	23815	C*-4611661
63	9.0E	9.0Z	32 2.004	0.0017	12	-41 22 16.68	-0.005	12	0.66	1.919	28	99.1	16.45	26	99.1	B8	CZ	16412	P -41 8071
64	9.8E	9.5Z	32 4.044	-0.0009	12	-41 29 2.67	-0.050	12	0.74	4.091	45	00.1	0.20	45	00.1	G0	CZ	16413	P -41 8072
65	9.7E	9.3Z	32 7.814	0.0010	12	-40 57 1.87	0.006	12	0.86	7.765	63	98.5	2.20	57	98.5	A2	CZ	16414	P -40 7912
66	9.0E	8.5Z	32 18.187	-0.0002	12	-49 18 26.09	-0.016	12	0.71	18.197	45	03.9	25.34	45	03.9	F5	CZ	16411	P -4910109
67		9.0T	32 20.804	0.0032	22	-44 45 27.40	0.002	22	1.07	20.652	29	03.0	27.48	24	04.4	K0	GC	23829	C -4411894
68	9.4E	9.7Z	32 21.590	-0.0006	12	-43 22 48.25	-0.018	12	0.72	21.618	45	03.1	47.42	45	03.1	A0	CZ	16416	P -43 8160
69	12.5E	11.0H	32 21.957	0.0001	12	-43 22 38.19	0.002	12	0.72	21.952	45	03.1	38.30	45	03.1	A0	CZ	16417	P -43 8160
70	8.8E	8.5Z	32 26.745	-0.0003	12	-47 19 29.20	-0.014	12	0.70	26.758	45	04.6	28.58	45	04.6	K0	CZ	16415	P -47 8381
71		9.3T	32 28.018	-0.0016	20	-44 10 4.66	-0.019	20	0.93	28.089	24	04.6	3.77	24	04.2	A0	GC	23831	C -4411896
72	9.8E	9.0Z	32 31.341	-0.0003	12	-46 55 45.50	-0.018	12	0.70	31.354	45	05.0	44.71	45	05.0	G5	CZ	16418	P -46 8751
73	9.5E	8.2Z	32 40.710	-0.0057	12	-49 34 52.39	-0.029	12	0.71	40.971	45	03.9	51.03	45	03.9	K0	CZ	16420	P -4910115
74	8.9E	9.0Z	32 43.067	-0.0010	12	-47 0 51.16	-0.029	12	0.70	43.112	45	05.0	49.87	45	05.0	A3	CZ	16425	P -46 8754
75	9.2E	9.5Z	32 44.271	-0.0004	12	-46 14 43.53	-0.001	12	0.70	44.290	45	05.0	43.50	45	05.0	A0	CZ	16427	P -46 8756
76	9.8E	9.0Z	32 45.718	0.0003	12	-42 47 22.58	0.001	12	0.73	45.703	45	01.6	22.64	45	01.6		CZ	16429	P -42 7843
77	8.1E	8.5Z	32 47.178	-0.0009	12	-42 42 54.17	-0.027	12	0.65	47.222	28	99.9	52.83	26	99.9	A0	CZ	16430D	P*-42 7844
78	8.4E	8.5Z	32 48.561	0.0016	12	-48 39 54.71	-0.025	12	0.64	48.506	31	02.2	53.49	28	02.2	A0	CZ	16426	P -48 9337
79	8.7E	9.0Z	32 50.732	-0.0006	12	-47 5 55.96	-0.021	12	0.70	50.768	45	04.6	55.03	45	04.6	F0	CZ	16428	P -47 8386
80	9.8E	9.5Z	32 53.467	0.0007	12	-41 58 52.73	0.007	12	0.74	53.433	45	00.1	53.07	45	00.1	A	CZ	16431	P -41 8085
81		8.6T	32 57.529	0.0002	22	-42 57 50.13	-0.012	18	0.95	57.520	24	06.1	49.56	22	03.7	B9	GC	23840	C -4212297
82	9.9E	9.0*	32 58.171	0.0022	12	-43 36 35.21	-0.022	12	0.64	58.065	28	01.2	34.14	26	01.2	F8	CZ	16432	P -43 8167
83		8.2T	33 0.970	0.0015	18	-44 32 1.57	0.018	18	0.89	0.897	19	02.7	2.43	19	02.1	B8	GC	23842	C -4411900
84		7.4T	33 1.809	0.0010	17	-44 50 53.38	-0.010	13	0.78	1.760	22	02.6	53.88	21	98.3	K2	GC	23844	C -4411899
85	9.0E	9.5Z	33 3.083	0.0006	12	-41 45 31.52	-0.017	12	0.74	3.024	45	00.1	30.66	45	00.1	A0	CZ	16438D	P*-41 8088
86	9.4E	8.5Z	33 3.537	0.0011	12	-41 49 46.50	-0.009	12	0.66	3.482	28	99.0	46.04	26	99.0	K2	CZ	16440	P -41 8089
87	11.2E	9.5Z	33 6.907	-0.0019	12	-41 53 46.09	-0.006	12	0.74	7.003	45	00.1	45.79	45	00.1	K2	CZ	16442	P -41 8090
88	9.8E	8.2Z	33 7.445	0.0006	12	-41 53 50.61	0.007	12	0.74	7.416	45	00.1	50.96	45	00.1	K2	CZ	16443	P -41 8090
89	8.3E	8.0Z	33 12.440	-0.0015	12	-47 12 49.30	-0.033	12	0.62	12.509	28	03.1	47.77	26	03.1	K0	CZ	16437	P -47 8390
90	9.9E	9.1Z	33 13.907	-0.0003	12	-42 25 36.47	-0.089	12	0.68	13.922	36	01.6	33.12	36	01.6		CZ	16447	P -42 7851
91	9.9E	9.3Z	33 15.295	0.0006	12	-40 28 32.82	0.001	12	0.86	15.266	63	98.5	32.90	57	98.5	A0	CZ	16449	P -40 7920
92	9.0E	9.0Z	33 17.163	0.0015	12	-47 7 47.25	0.008	12	0.65	17.094	36	04.6	47.63	36	04.6	F2	CZ	16441	P -47 8391
93	9.7E	9.6Z	33 24.006	0.0008	12	-48 23 9.11	-0.003	12	0.71	23.967	45	03.6	8.99	45	03.6	B9	CZ	16445	P -48 9343
94		7.2T	33 25.937	0.0010	16	-49 12 52.83	-0.002	12	0.73	25.888	19	01.1	52.72	18	97.2	B9	GC	23851	C -4911575
95	8.7E	8.5Z	33 29.687	0.0011	12	-45 52 11.12	-0.003	12	0.62	29.637	28	03.3	11.00	26	03.3	A0	CZ	16452	P -45 8714
96	8.8E	8.7Z	33 29.927	0.0020	12	-49 10 22.79	0.008	12	0.71	29.837	45	03.9	23.15	45	03.9	B9	CZ	16446	P -4910123
97	8.2E	8.3H	33 33.305	0.0003	12	-45 7 39.61	-0.016	12	0.62	33.290	28	03.2	38.68	26	03.2	B5	CZ	16453	P -45 8715
98	11.1E	9.8H	33 35.843	-0.0028	12	-49 22 30.72	-0.219	12	0.71	35.993	45	03.9	20.62	45	03.9	G5	CZ	16450D	P -4910126
99	10.0E	9.0Z	33 36.144	-0.0020	12	-49 22 35.93	-0.213	12	0.71	36.237	45	03.9	26.10	45	03.9	G5	CZ	16451D	P -4910126
00	8.9E	9.0Z	33 37.614	0.0009	12	-40 34 56.79	0.010	12	0.66	37.588	28	99.1	57.30	26	99.1	B9	CZ	16456	P -40 7925

228200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 17H DM NUMBER
1		2.0H	17 33 43.371	0.0015	02	-42 58 5.15	0.000	02	0.09	43.319	05	14.1	5.17	05	14.9	F0	F4	654	C -4212312
2	9.1E	9.0Z	33 44.230	0.0008	12	-45 47 0.70	-0.002	12	0.65	44.200	36	04.8	0.60	36	04.8	F0	CZ	16454	P -45 8716
3	9.1E	8.8Z	33 47.357	0.0019	12	-40 43 54.82	-0.011	12	0.84	47.483	63	01.4	54.09	57	01.4	K0	CZ	16461	P -40 7926
4	7.8E	7.8Z	33 49.539	-0.0003	12	-40 17 26.10	-0.006	12	0.84	49.572	63	01.4	25.82	57	01.4	B9	CZ	16464	P -40 7929
5	9.4E	8.7Z	33 49.698	-0.0003	12	-41 40 12.44	-0.022	12	0.65	49.711	26	99.7	11.31	24	99.7	F8	CZ	16462	P -41 8086
6	8.0E	8.5Z	33 49.821	0.0016	12	-46 4 59.29	-0.001	12	0.62	49.748	28	03.2	59.23	26	03.2	B8	CZ	16457	P -46 8770
7	9.0E	8.5Z	33 49.970	0.0030	12	-44 7 35.73	-0.017	12	0.65	49.833	36	04.6	34.84	36	04.6	K0	CZ	16459	P -44 8843
8	9.0E	8.6Z	33 50.805	0.0012	12	-48 0 58.82	0.007	12	0.62	50.748	28	03.1	59.13	25	03.1	G5	CZ	16460	P -47 8305
9	10.1E	9.4Z	34 1.288	0.0005	12	-45 23 19.41	-0.048	12	0.65	1.274	36	04.8	17.23	36	04.8	F8	CZ	16465	P -45 8728
10	9.7E	9.5Z	34 5.920	0.0009	12	-47 4 47.97	-0.000	12	0.65	5.880	36	04.6	47.86	36	04.6	F8	CZ	16466	P -47 8386
11		7.2T	34 6.530	0.0020	16	-40 47 3.22	-0.009	16	0.79	6.436	24	03.2	2.80	22	02.6	F5	GC	23867	C -4011648
12	9.7E	9.0Z	34 8.680	0.0014	12	-40 50 1.46	-0.004	12	0.84	8.620	63	01.4	1.27	57	01.4	A0	CZ	16471	P -40 7935
13	9.4E	9.4Z	34 10.087	0.0014	12	-45 16 59.11	0.013	12	0.65	10.024	36	04.8	59.68	36	04.8	A2	CZ	16468	P -45 8727
14	9.7E	8.5Z	34 14.123	0.0010	12	-46 33 20.42	-0.013	12	0.65	14.080	36	04.8	19.82	36	04.8	F0	CZ	16469	P -46 8777
15	9.7E	9.8Z	34 15.858	0.0009	12	-44 12 2.16	-0.004	12	0.70	15.815	45	04.8	1.87	45	04.6	A0	CZ	16472	P -44 8649
16		7.1T	34 18.328	0.0162	14	-42 32 0.13	-0.346	12	0.71	17.493	18	98.4	41.23	17	95.4	G5	GC	23870	C -4212320
17	11.4E	10.8H	34 21.564	-0.0005	12	-41 38 4.96	-0.003	12	0.73	21.586	45	01.5	4.80	45	01.5	A5	CZ	16474	P -41 8106
18	10.0E	9.3H	34 22.219	-0.0008	12	-41 38 4.60	-0.015	12	0.73	22.256	45	01.5	3.85	45	01.5	A5	CZ	16475	P -41 8106
19	8.7E	8.9H	34 29.405	0.0008	12	-40 5 8.30	-0.014	12	0.84	29.365	63	01.4	7.62	57	01.4	A0	CZ	16477	P -40 7939
20		6.0T	34 33.036	0.0002	12	-42 51 4.57	-0.041	11	0.61	33.029	21	00.7	2.38	21	98.8	B9	GC	23876	C -4212327
21		7.7T	34 50.463	-0.0017	22	-44 50 50.60	-0.025	16	0.98	50.540	21	03.6	49.40	19	02.3	K2	GC	23884	C -4411933
22	8.9E	9.2H	34 53.908	-0.0004	12	-40 3 16.93	-0.006	12	0.84	53.927	63	01.4	16.64	57	01.4	A0	CZ	16486	P -40 7941
23	9.4E	9.0Z	34 54.574	0.0015	12	-48 39 19.36	-0.035	12	0.71	54.507	45	03.6	17.74	45	03.6	F0	CZ	16478	P -48 9362
24	8.4E	9.7H	34 56.830	0.0005	12	-40 10 8.95	0.004	12	0.84	56.805	63	01.4	9.14	57	01.4	A5	CZ	16489	P -40 7942
25		9.4T	34 58.736	-0.0003	20	-44 21 48.49	0.042	20	0.91	58.748	24	05.6	50.36	24	05.2	B5	GC	23885	C -4411934
26	9.4E	9.5Z	34 59.601	0.0015	12	-47 8 50.65	0.001	12	0.70	59.533	45	04.6	50.68	45	04.6	A0	CZ	16480	P -47 8400
27	9.4E	9.5Z	34 59.697	0.0002	12	-41 49 17.61	-0.001	12	0.73	59.885	45	01.5	17.54	45	01.5	A0	CZ	16488	P -41 8110
28		7.5T	35 1.539	-0.0020	16	-42 42 18.17	-0.013	13	0.76	1.635	22	02.2	17.49	21	98.3	A0	GC	23887	C -4212334
29	9.4E	9.5Z	35 2.315	0.0004	12	-45 11 8.42	-0.009	12	0.70	2.298	45	05.0	8.00	45	05.0	F0	CZ	16484	P -45 8740
30	9.9E	9.5Z	35 6.552	0.0016	12	-46 17 15.94	0.008	12	0.70	6.482	45	05.0	16.29	45	05.0	B3	CZ	16485	P -46 8786
31		7.8T	35 8.146	-0.0028	20	-44 4 17.73	-0.023	20	0.91	8.270	24	05.6	16.69	24	05.2	F5	GC	23890K	C -4411938
32		9.6T	35 8.953	-0.0045	32	-45 29 55.93	-0.006	20	1.16	9.146	26	07.6	55.65	24	04.9	G0	GC	23891	C -4511740
33		7.5T	35 11.362	-0.0083	16	-45 43 47.26	-0.153	13	0.75	11.756	22	02.4	39.47	21	99.2	G5	GC	23892	C -4511742
34		7.3T	35 24.616	-0.0191	22	-43 6 55.45	-0.157	22	1.09	25.525	18	02.4	47.91	17	02.0	G8	GC	23896	C -4311901
35	9.4E	9.7Z	35 25.055	0.0010	12	-42 47 39.25	-0.002	12	0.73	25.008	45	01.6	39.15	45	01.6	A0	CZ	16494	P -42 7873
36		8.6T	35 26.007	-0.0019	16	-40 59 52.02	-0.022	17	0.80	26.097	24	03.5	50.99	24	03.5	A3	GC	23900	C -4011670
37	10.0E	9.5Z	35 42.147	-0.0019	12	-41 42 25.05	-0.007	12	0.73	42.237	45	01.5	22.66	45	01.5	K0	CZ	16500	P -41 8113
38	9.8E	9.5Z	35 42.210	0.0011	12	-48 17 9.79	-0.013	12	0.64	42.155	31	02.2	9.15	28	02.2	A2	CZ	16495	P -48 9373
39	9.8E	8.0Z	35 44.680	-0.0002	12	-43 8 14.18	-0.007	12	0.72	44.671	45	03.1	13.84	45	03.1	K2	CZ	16499	P -43 8190
40	8.8E	9.0Z	35 44.957	0.0128	12	-45 51 28.91	-0.073	12	0.70	44.379	45	05.0	25.61	45	05.0	G5	CZ	16497	P -45 8748
41	10.0E	8.7Z	35 46.202	-0.0004	12	-41 27 21.35	-0.029	12	0.73	46.220	45	01.5	19.95	45	01.5	G5	CZ	16502	P -41 8115
42	9.9E	9.9Z	35 55.713	0.0007	12	-46 54 27.71	0.011	12	0.70	55.682	45	05.0	28.19	45	05.0	A2	CZ	16501	P -46 8791
43		7.8T	35 55.855	0.0013	18	-43 49 56.07	-0.025	18	0.89	55.792	19	02.4	54.84	18	01.8	B8	GC	23908	C -4311905
44	8.8E	8.5Z	35 56.692	0.0006	12	-41 6 27.36	-0.008	12	0.73	56.661	45	01.5	28.97	45	01.5	K2	CZ	16511	P -41 8119
45	8.8E	8.0Z	35 57.006	0.0007	12	-42 57 4.40	-0.025	12	0.65	56.972	28	00.2	3.15	26	00.2	F0	CZ	16505	P -42 7876
46	9.8E	9.5Z	35 57.923	0.0022	12	-41 36 51.92	0.015	12	0.73	57.815	45	01.5	52.63	45	01.5	F0	CZ	16512	P -41 8118
47	10.2E	9.0H	35 58.568	-0.0014	12	-42 44 33.57	0.057	12	0.73	58.637	45	01.6	36.81	45	01.6	F5	CZ	16508D	P -42 7879
48	9.7E	8.5Z	35 58.914	0.0001	12	-42 44 42.67	-0.018	12	0.73	58.910	45	01.6	41.79	45	01.6	F3	CZ	16510D	P -42 7879
49	9.9E	9.5Z	36 3.325	0.0016	12	-47 38 58.83	0.003	12	0.64	3.246	31	02.5	58.96	28	02.5	A0	CZ	16503	P -47 8403
50	8.8E	8.5Z	36 4.299	0.0009	12	-45 54 5.12	-0.011	12	0.64	4.255	31	02.8	4.58	28	02.8	B8	CZ	16507	P -45 8753
51	9.4E	9.6Z	17 36 12.434	0.0024	12	-46 50 27.44	0.010	12	0.70	12.327	45	05.0	27.88	45	05.0	A0	CZ	16513	P -46 8796
52	8.4E	9.2Z	36 13.761	0.0000	12	-42 2 39.05	0.012	12	0.73	13.759	45	01.6	39.61	45	01.6	A2	CZ	16516	P -41 8123
53	9.9E	9.7Z	36 14.782	0.0029	12	-44 43 49.34	0.006	12	0.70	14.659	45	04.6	49.61	45	04.6	F2	CZ	16514	P -44 8670
54	9.9E	9.8Z	36 15.287	0.0009	12	-43 14 33.03	-0.001	12	0.72	15.246	45	03.1	32.93	45	03.1	A0	CZ	16515	P -43 8195
55	7.9E	8.1Z	36 21.232	0.0014	12	-40 15 7.24	-0.012	12	0.66	21.159	28	99.4	6.65	26	99.4	B8	CZ	16519	P -40 7963
56	9.7E	9.0Z	36 31.182	0.0014	12	-43 42 2.97	0.004	12	0.72	31.115	45	03.1	3.14	45	03.1	B9	CZ	16521	P -43 8196
57		4.8T	36 31.762	0.0061	07	-49 23 12.97	-0.175	05	0.28	31.432	10	09.2	4.94	09	04.1	F5	GC	23918	C -4911616
58	8.3E	8.9Z	36 35.285	0.0020	12	-46 30 7.06	0.012	12	0.70	35.196	45	05.0	7.58	45	05.0	A0	CZ	16520	P -46 8802
59	8.4E	7.7Z	36 40.846	0.0015	12	-49 40 41.82	-0.027	12	0.71	40.776	45	03.5	40.56	45	03.5	K0	CZ	16518	P -4910163
60		8.2T	36 49.487	-0.0011	18	-43 50 9.71	-0.014	17	0.85	49.536	24	03.8	9.04	22	03.1	F2	GC	23930K	C -4311917
61	10.2E	9.8Z	36 49.494	0.0017	12	-46 18 54.04	-0.002	12	0.70	49.419	45	05.0	53.94	45	05.0	A3	CZ	16523	P -46 8807
62	9.4E	9.5Z	36 54.154	0.0011	12	-41 5 15.81	0.002	12	0.73	54.099	45	01.5	15.91	45	01.5		CZ	16531	P -41 8126
63		7.4T	36 56.653	0.0115	26	-49 55 47.62	-0.175	22	1.11	56.132	21	04.8	39.58	19	04.1	G5	GC	23932	C -4911619
64	9.9E	9.0Z	36 56.673	0.0003	12	-43 37 41.26	0.003	12	0.72	56.657	45	03.1	41.38	45	03.1	K0	CZ	16530	P -43 8202
65		9.0I	36 57.627	0.0023	20	-41 36 16.56	-0.009	20	0.91	57.526	24	05.5	16.14	24	05.1	M8	GC	23933V	C -4111093
66	8.8E	9.0Z	36 57.623	0.0014	12	-47 20 51.98	0.002	12	0.70	57.560	45	04.6	52.05	45	04.6	B8	CZ	16524	P -47 8410
67	8.7E	8.7H	36 57.822	-0.0007	12	-45 1 51.56	0.006	12	0.81	57.855	63	04.6	51.82	57	04.6	B8	CZ	16527	P -44 8680
68		7.3T	36 58.172	0.0022	17	-44 38 48.77	-0.024	15	0.80	58.066	22	02.8	47.58	21	00.6	K0	GC	23934	C -4411964
69		9.4T	36 59.614	0.0035	20	-40 28 56.73	-0.023	22	0.97	59.460	24	05.4	55.72	24	05.7	F2	GC	23936	C -4011701
70	10.0E	9.8Z	37 2.674	-0.0003	12	-46 40 17.33	0.009	12	0.70	2.688	45	05.0	17.72	45	05.0	A2	CZ	16528	P -46 8808
71		8.6T	37 3.117	0.0007	20	-44 21 23.12	0.012	20	0.91	3.084	24	05.5	23.65	24	05.1	A0	GC	23938	C -4411966
72	9.4E	9.5Z	37 4.777	0.0019	12	-42 53 7.39	-0.005	12	0.73	4.686	45	01.6	7.13	45	01.6	A2	CZ	16536	P -42 7887
73	8.9E	9.0Z	37 7.664	0.0011	12	-41 19 6.45	0.010	12	0.65	7.608	28	99.9	6.95	26	99.9	A0	CZ	16538	P -41 8130
74	8.5E	8.3H	37 8.979	0.0004	12	-44 56 10.07	0.005	12	0.70	8.963	45	04.6	10.29	45	04.6	B5	CZ	16534	P -44 8685
75	9.2E	9.0Z	37 12.638	0.0027	12	-47 50 0.19	-0.017	12	0.64	12.508	31	02.5	59.36	28	02.5	F0	CZ	16533	P -47 8413
76	9.7E	9.0Z	37 22.049	0.0011	12	-40 57 4.28	0.004	12	0.84	21.995	63	01.4	4.48	57	01.4		CZ	16541	P -40 7975
77	9.7E	9.7Z	37 24.867	-0.0013	12	-46 28 10.35	0.041	12	0.70	24.927	45	05.0	12.18	45	05.0	A3	CZ	16539	P -46 8817
78	8.5E	9.0Z	37 28.524	0.0005	12	-41 4 10.81	-0.000	12	0.73	28.499	45	01.5	10.81	45	01.5	A0	CZ	16543	P -41 8134
79		8.1T	37 31.241	0.0007	10	-46 53 48.21	-0.009	06	0.38	31.210	14	08.5	47.76	12	02.3	A0	GC	23951	C -4611747
80	8.7E	9.0Z	37 32.658	0.0012	12	-42 24 51.90	0.005	12	0.65	32.600	28	00.1	52.13	26	00.1	B9	CZ	16545	P -42 7890
81	9.9E	9.1H	37 35.313	0.0004	12	-44 5 18.77	-0.009	12	0.64	35.293	31	02.6	18.33	28	02.6	A0	CZ	16544	P -44 8690
82	7.6E	7.4H	37 36.529	-0.0016	12	-40 4 5.20	-0.071	12	0.84	36.609	63	01.4	1.76	57	01.4	G0	CZ	16551	P -40 7978
83		8.6T	37 38.281	0.0019	20	-41 39 59.93	-0.017	22	0.96	38.198	24	06.0	59.15	24	05.9	B8	GC	23955K	C -4111908
84	10.1E	9.5H	37 39.333	0.0009	12	-41 39 51.31	0.002	12	0.73	39.287	45	01.5	51.38	45	01.5	B8	CZ	16550	P -41 8138
85	9.2E	9.0Z	37 43.484	0.0001	12	-45 6 1.66	-0.014	12	0.70	43.481	45	05.0	1.02	45	05.0	A0	CZ	16548	P -45 8779
86		8.0T	37 47.315	0.0023	12	-40 56 53.34	-0.011	13	0.67	47.203	22	00.6	52.80	22	01.0	K5	GC	23959	C -4011717
87		8.0T	37 49.663	0.0001	20	-44 25 55.92	-0.037	22	0.97	49.677	24	05.6	54.24	24	05.2	F3	GC	23960	C -4411974
88	9.3E	9.6Z	37 55.894	0.0028	12	-47 11 26.83	-0.011	12	0.65	55.768	36	04.9	26.32	36	04.9	F5	CZ	16552	P -47 8419
89	9.4E	8.7Z	37 57.046	-0.0029	12	-41 46 20.50	-0.239	12	0.73	57.184	45	01.5	8.89	45	01.5	K0	CZ	16560	P -41 8142
90	9.7E	10.0Z	38 2.511	0.0008	12	-46 39 22.77	0.023	12	0.65	2.476	36	05.1	23.79	36	05.1	A2	CZ	16559	P -46 8826
91	9.3E	9.5Z	38 2.541	0.0020	12	-46 59 25.24	0.011	12	0.65	2.452	36	05.1	25.72	36	05.1	A2	CZ	16557	P -46 8825
92		7.3T	38 3.839	-0.0019	17	-47 29 19.14	0.013	13	0.78	3.928	19	01.8	19.79	18	98.7	F5	GC	23966	C -4711720
93	10.4E	9.3H	38 5.386	0.0008	12	-49 57 39.70	-0.005	12	0.71	5.347	45	03.5	39.46	45	03.5	K0	CZ	16554	P -4910176
94	8.8E	7.9H	38 6.272	-0.0005	12	-40 5 41.88	-0.024	12	0.84	6.296	63	01.4	40.72	57	01.4	K2	CZ	16568	P -40 7993
95	9.8E	9.0Z	38 12.861	0.0020	12	-47 45 24.42	0.006	12	0.65	12.770	36	04.9	24.68	36	04.9	K0	CZ	16561	P -47 8422
96	8.0E	7.8H	38 14.237	0.0010	12	-44 45 34.05	-0.021	12	0.62	14.189	28	03.2	33.05	26	03.2	A0	CZ	16564	P -44 8699
97		9.8T	38 16.880	-0.0040	22	-43 59 50.03	0.014	26	1.06	19.052	24	06.7	50.61	26	07.5	F2	GC	23972	C -4311933
98	9.7E	9.7Z	38 19.410	0.0014	12	-48 48 18.66	0.003	12	0.65	19.347	36	04.2	18.61	36	04.2	B5	CZ	16562	P -48 9403
99	10.1E	9.2Z	38 20.129	0.0020	12	-48 37 3.95	-0.013	12	0.62	20.037	28	03.0	3.25	26	03.0	A5	CZ	16563	P -48 9405
00	8.4E	8.5H	38 24.136	-0.0002	12	-40 4 13.04	-0.021	12	0.84	24.145	63	01.4	12.02	57	01.4	A0	CZ	16575	P -40 8003

228300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.6T	17 38 25.161	0.0022	15	-48 37 6.90	-0.003	12	0.72	25.053	22	00.8	6.73	19	95.0	F2	GC	23974K	C*-4811949
2	8.8E	8.0Z	38 26.364	-0.0007	12	-49 14 48.64	-0.033	12	0.64	26.399	31	02.1	47.05	28	02.1	F5	CZ	16565	P -4910180
3	9.3E	9.0Z	38 31.428	0.0014	12	-41 58 59.85	-0.002	12	0.68	31.358	36	01.6	59.73	36	01.6	A2	CZ	16577	P -41 8150
4	9.0E	9.0H	38 33.698	0.0003	12	-43 39 12.21	-0.003	12	0.66	33.682	36	03.8	12.05	36	03.8	B8	CZ	16576	P -43 8215
5	8.5E	9.0Z	38 34.640	0.0013	12	-41 50 34.22	0.004	12	0.68	34.575	36	01.6	34.39	36	01.6	B8	CZ	16578	P -41 8153
6	8.6E	8.5Z	38 36.767	0.0017	12	-46 19 28.54	0.003	12	0.65	36.693	36	05.1	28.66	36	05.1	A0	CZ	16573	P -46 8833
7		7.6T	38 37.671	0.0007	17	-46 16 30.78	-0.015	13	0.78	37.635	19	01.8	29.99	18	98.6	A0	GC	23979	C -4611772
8	9.7E	9.6Z	38 43.619	0.0012	12	-44 5 58.82	-0.003	12	0.65	43.563	36	04.8	58.67	36	04.8	A0	CZ	16582	P -44 8702
9		7.5T	38 44.931	0.0018	16	-40 26 19.47	-0.015	15	0.77	44.849	22	02.9	18.75	21	01.8	K5	GC	23982	C -4011737
10	8.7E	8.9H	38 45.186	-0.0009	12	-45 9 32.42	-0.014	12	0.62	45.228	28	03.4	31.75	26	03.4	A0	CZ	16580	P -45 8788
11	8.8E	7.3H	38 46.569	0.0027	12	-43 32 56.55	-0.025	12	0.62	46.438	26	02.0	57.33	24	02.0	K2	CZ	16584	P -43 8216
12	9.9E	9.7Z	38 49.553	0.0027	12	-46 52 3.54	0.004	12	0.65	49.433	36	05.1	3.70	36	05.1	F5	CZ	16581	P -46 8843
13	8.8E	7.8H	38 54.246	-0.0073	12	-49 58 32.70	-0.140	12	0.71	54.584	45	03.5	26.19	45	03.5	F5	CZ	16579	P -4910184
14	9.3E	8.7H	39 0.480	-0.0096	12	-49 55 37.74	-0.069	12	0.71	0.925	45	03.5	34.53	45	03.5	G5	CZ	16583	P -4910185
15	9.6E	9.6Z	39 4.787	0.0012	12	-46 43 37.88	0.007	12	0.65	4.734	36	05.1	38.18	36	05.1	B8	CZ	16586	P -46 8846
16		8.8T	39 8.204	-0.0010	20	-45 14 51.66	-0.025	20	0.91	8.249	24	05.6	50.53	24	05.2	K0	GC	23994	C -4511608
17	10.1E	9.6Z	39 10.964	0.0010	12	-47 25 11.88	-0.006	12	0.65	10.919	36	04.9	11.59	36	04.9	A0	CZ	16587	P -47 8432
18		8.9T	39 19.375	-0.0045	22	-40 17 32.57	-0.391	18	0.98	19.586	18	03.7	13.93	18	02.3	F5	GC	23998	C -4011755
19	10.3E	8.5Z	39 19.406	0.0064	12	-49 18 43.89	-0.042	12	0.71	19.109	45	03.5	41.94	45	03.5	G0	CZ	16588	P -4910191
20	10.1E	10.0Z	39 21.977	0.0008	12	-47 44 32.11	-0.034	12	0.65	21.940	36	04.9	30.56	36	04.9	A3	CZ	16589	P -47 8435
21	7.8E	8.5Z	39 27.167	0.0001	12	-42 1 35.63	0.021	12	0.67	27.164	28	98.6	36.70	26	98.6	A0	CZ	16593	P -41 8166
22	8.2E	8.7Z	39 27.369	-0.0002	12	-40 58 25.49	-0.000	12	0.84	27.377	63	01.4	25.49	57	01.4	B9	CZ	16594	P -40 8019
23		8.2T	39 27.431	-0.0025	20	-44 44 38.49	0.021	22	0.96	27.540	24	05.6	39.41	24	05.9	G5	GC	24002K	C*-4411994
24	8.8E	8.7Z	39 36.645	0.0017	12	-47 32 31.31	-0.009	12	0.65	36.567	36	04.9	30.88	36	04.9	A0	CZ	16592	P -47 8439
25	7.2E	8.0Z	39 40.105	-0.0002	12	-46 33 55.91	-0.009	12	0.70	40.114	45	05.0	55.50	45	05.0	B8	CZ	16595	P -46 8851
26		8.9T	39 40.451	0.0022	20	-40 34 47.89	-0.032	12	0.78	40.355	24	05.4	46.27	22	99.6	F5	GC	24006	C -4011765
27	6.4E	9.0Z	39 42.154	0.0019	12	-41 18 1.04	-0.008	12	0.73	42.060	45	01.5	0.65	45	01.5	F0	CZ	16603	P -41 8173
28	9.6E	9.7Z	39 42.275	0.0009	12	-47 12 19.84	-0.016	12	0.70	42.234	45	05.0	19.10	45	05.0	B8	CZ	16596	P -47 8442
29	9.7E	9.4Z	39 46.369	-0.0069	12	-47 20 33.43	-0.076	12	0.70	46.680	45	05.0	29.99	45	05.0	G0	CZ	16598	P -47 8444
30	9.7E	9.6Z	39 49.968	0.0010	12	-49 40 51.45	0.011	12	0.65	49.922	36	04.1	51.94	36	04.1	F0	CZ	16597	P -4910199
31	8.1E	8.5Z	39 52.079	0.0019	12	-47 9 5.51	-0.009	12	0.70	51.994	45	05.0	5.09	45	05.0	A0	CZ	16599	P -47 8446
32	9.0E	9.3H	39 52.199	0.0002	12	-40 3 28.87	-0.011	12	0.84	52.188	63	01.4	28.34	57	01.4	F	CZ	16611	P -40 8031
33	8.9E	9.0Z	39 52.698	0.0023	12	-46 36 59.19	-0.015	12	0.70	52.596	45	05.0	58.50	45	05.0	A2	CZ	16601	P -46 8855
34	9.4E	9.5Z	39 54.077	0.0014	12	-43 47 50.14	-0.006	12	0.71	54.010	45	03.4	49.84	45	03.4	A2	CZ	16608	P -43 8229
35		7.2T	39 54.489	-0.0004	10	-45 56 55.27	0.017	08	0.40	54.504	15	08.0	56.03	14	04.4	B9	GC	24015	C -4511825
36	8.2E	9.2Z	39 54.509	0.0005	12	-41 2 41.34	-0.008	12	0.66	54.482	28	99.6	40.94	26	99.6	A0	CZ	16612	P -41 8179
37	9.7E	9.5Z	39 56.807	0.0011	12	-42 26 47.20	0.006	12	0.73	56.756	45	01.6	47.47	45	01.6	A2	CZ	16610	P -42 7917
38	9.4E	8.0Z	40 0.057	0.0015	12	-46 35 3.41	-0.003	12	0.70	-59.991	45	05.0	3.26	45	05.0	K2	CZ	16607	P -46 8858
39	9.4E	8.0Z	40 3.598	0.0019	12	-43 0 46.18	-0.004	12	0.73	3.508	45	01.6	45.98	45	01.6	K0	CZ	16616	P -42 7918
40	9.9E	9.7Z	40 5.567	0.0035	12	-49 3 21.35	-0.024	12	0.70	5.412	45	04.9	20.24	45	04.9	F5	CZ	16606	P -4910209
41		8.0T	40 5.815	0.0020	20	-44 2 40.78	0.009	20	0.91	5.725	24	05.6	41.17	24	05.2	K0	GC	24021	C -4412003
42		8.2T	40 7.445	0.0009	15	-47 36 31.20	-0.009	10	0.69	7.402	22	00.6	30.67	19	94.0	A2	GC	24022	C -4711753
43	9.0E	9.0Z	40 7.723	0.0016	12	-40 36 30.16	0.012	12	0.84	7.644	63	01.4	30.74	57	01.4	F8	CZ	16621	P -40 8036
44	8.5E	9.0Z	40 10.026	0.0010	12	-42 12 36.58	0.009	12	0.73	9.980	45	01.6	37.00	45	01.6	B9	CZ	16619	P -42 7920
45	8.6E	8.0Z	40 15.588	0.0010	12	-48 17 24.97	0.004	12	0.63	15.540	31	03.3	25.13	28	03.3	G5	CZ	16614	P -48 9425
46	9.6E	10.0Z	40 21.402	0.0003	12	-46 57 33.77	-0.007	12	0.70	21.389	45	05.0	33.44	45	05.0	A2	CZ	16620	P -46 8860
47	8.0E	9.0Z	40 22.907	0.0010	12	-44 36 48.64	0.008	12	0.64	22.858	31	02.8	49.01	28	02.8	B8	CZ	16623	P -44 8717
48	9.5E	9.5Z	40 33.714	0.0020	12	-47 7 8.96	-0.004	12	0.70	33.625	45	05.0	8.77	45	05.0	F2	CZ	16624	P -47 8454
49	8.3E	7.8H	40 35.740	0.0005	12	-49 55 41.21	0.001	12	0.70	35.716	45	04.9	41.24	45	04.9	K0	CZ	16622	P -4910214
50		8.6T	40 37.364	-0.0001	20	-44 10 43.29	-0.020	20	0.91	37.367	24	05.5	42.37	24	05.1	K5	GC	24035	C -4412012
51	7.6E	8.2Z	17 40 39.490	-0.0005	12	-41 38 23.13	0.006	12	0.66	39.517	28	99.6	23.42	26	99.6	B8	CZ	16630	P -41 8189
52		9.3T	40 42.194	-0.0023	20	-44 0 9.98	0.012	20	0.91	42.295	24	05.6	10.50	24	05.2	B8	GC	24041	C -4311967
53	9.4E	9.5Z	40 45.848	0.0009	12	-47 25 10.01	-0.013	12	0.70	45.807	45	05.0	9.41	45	05.0	G5	CZ	16627	P -47 8456
54		8.0T	40 48.379	0.0020	20	-46 48 17.97	-0.021	15	0.85	48.282	19	03.0	16.93	18	01.1	A2	GC	24043	C -4611805
55	8.7E	8.5Z	40 49.136	0.0006	12	-49 31 21.50	-0.008	12	0.63	49.106	31	03.1	21.13	28	03.1	B8	CZ	16626	P -4910220
56	8.6E	8.5Z	40 51.716	0.0000	12	-40 16 34.06	-0.009	12	0.84	51.716	63	01.4	33.63	57	01.4	A0	CZ	16639	P -40 8043
57	8.2E	7.5Z	40 52.690	0.0008	12	-43 53 2.23	0.002	12	0.64	52.650	28	01.2	2.31	26	01.2	K0	CZ	16633	P -43 8238
58	9.7E	9.5Z	40 54.193	0.0004	12	-43 1 59.05	0.010	12	0.71	54.175	45	03.4	59.50	45	03.4	B9	CZ	16636	P -42 7924
59	8.5E	9.0Z	40 54.542	0.0019	12	-44 11 17.27	0.005	12	0.70	54.455	45	05.0	17.48	45	05.0	B5	CZ	16634	P -44 8726
60		6.9T	41 0.958	0.0016	16	-46 1 17.26	-0.001	13	0.75	0.880	18	01.9	17.19	21	97.5	B9	GC	24049	C -4511850
61	9.4E	8.5Z	41 1.265	0.0003	12	-45 43 25.10	-0.030	12	0.70	1.249	45	05.0	23.73	45	05.0	K2	CZ	16638	P -45 8828
62		6.8T	41 1.402	0.0027	10	-47 41 38.57	0.003	08	0.43	1.286	15	06.5	38.69	15	02.8	A0	GC	24050	C -4711769
63		6.2T	41 6.666	0.0005	09	-42 42 30.47	0.019	07	0.38	6.644	12	04.8	31.39	12	00.8	A2	GC	24054	C -4212431
64	7.6E	8.0Z	41 6.719	0.0020	12	-48 8 1.59	-0.013	12	0.69	6.629	45	05.3	1.00	45	05.3	A0	CZ	16637	P -48 9432
65	8.5E	8.7Z	41 14.905	0.0010	12	-42 30 24.55	0.008	12	0.73	14.859	45	01.6	24.91	45	01.6	B8	CZ	16646	P -42 7930
66		7.9T	41 17.339	0.0043	20	-45 9 58.21	0.004	26	1.01	17.151	24	06.0	58.37	26	07.5	A0	GC	24057K	C -4511855
67	10.3E	9.5Z	41 17.800	0.0026	12	-45 9 46.89	-0.007	12	0.70	17.684	45	05.0	47.19	45	05.0	A0	CZ	16645	P -45 8830
68	9.4E	9.5Z	41 20.019	0.0020	12	-47 9 34.48	-0.008	12	0.70	19.929	45	05.0	34.11	45	05.0	A0	CZ	16642	P -47 8466
69	8.1E	7.5Z	41 24.194	0.0016	12	-44 6 14.50	-0.033	12	0.64	24.117	31	02.8	12.93	28	02.8	K0	CZ	16648	P -44 8731
70	9.3E	9.3Z	41 24.936	0.0009	12	-45 10 49.76	-0.035	12	0.70	24.897	45	05.0	48.17	45	05.0	A2	CZ	16647	P -45 8833
71	8.5E	9.0Z	41 26.264	0.0005	12	-41 26 18.20	0.004	12	0.73	26.239	45	01.5	18.40	45	01.5	A0	CZ	16651	P -41 8201
72	9.3E	9.0Z	41 27.843	-0.0005	12	-40 40 23.82	-0.002	12	0.84	27.867	63	01.4	23.73	57	01.4	A0	CZ	16653	P -40 8049
73		7.7T	41 35.759	-0.0002	16	-45 37 0.88	-0.000	13	0.76	35.767	17	01.2	0.87	18	98.7	B0	GC	24066	C -4511860
74	10.2E	9.7Z	41 36.888	-0.0005	12	-48 59 34.69	-0.002	12	0.69	36.912	45	05.3	34.60	45	05.3	A0	CZ	16649	P -48 9443
75	9.4E	9.3Z	41 41.448	0.0003	12	-41 6 58.70	-0.013	12	0.73	41.432	45	01.5	58.08	45	01.5	A0	CZ	16655	P -41 8207
76	8.4E	9.0Z	41 44.878	-0.0004	12	-40 44 2.74	-0.005	12	0.84	44.896	63	01.4	2.50	57	01.4	A0	CZ	16659	P -40 8053
77	9.9E	9.4Z	41 46.580	0.0005	12	-43 9 42.44	0.010	12	0.64	46.557	28	01.2	42.92	26	01.2	A2	CZ	16656	P -43 8245
78	9.7E	8.0Z	41 49.829	0.0000	12	-43 35 16.73	0.011	12	0.71	49.828	45	03.4	17.22	45	03.4	K5	CZ	16657	P -43 8246
79	9.4E	9.0Z	41 52.304	-0.0025	12	-47 18 11.48	-0.009	12	0.70	52.417	45	05.0	11.06	45	05.0	F2	CZ	16654	P -47 8469
80	8.7E	9.3Z	41 54.918	0.0007	12	-41 12 58.71	0.002	12	0.73	54.883	45	01.5	58.81	45	01.5	B9	CZ	16662	P -41 8211
81	9.2E	9.5Z	41 56.878	0.0007	12	-44 0 56.85	0.011	12	0.71	56.844	45	03.4	57.35	45	03.4	A0	CZ	16661	P -43 8248
82		7.7B	41 58.195	0.0035	17	-46 53 57.34	-0.009	13	0.77	58.029	24	03.4	56.87	21	99.0	A0	GC	24073K	C*-4611818
83	9.2E	9.0Z	41 58.957	0.0015	12	-41 59 43.75	-0.003	12	0.73	58.883	45	01.5	43.58	45	01.5	A0	CZ	16663	P -41 8212
84	9.5E	8.5Z	42 4.726	0.0005	12	-41 51 50.86	-0.008	12	0.73	4.699	45	01.5	50.45	45	01.5	K0	CZ	16665	P -41 8215
85		6.8T	42 6.561	0.0004	16	-48 54 53.08	0.004	13	0.75	6.542	19	01.6	53.28	18	98.8	K5	GC	24080	C -4812000
86	9.6E	9.0Z	42 7.054	0.0007	12	-40 46 49.34	-0.005	12	0.84	7.019	63	01.4	49.09	57	01.4	A2	CZ	16667	P -40 8057
87	10.3E	9.9Z	42 14.829	0.0006	12	-47 11 53.18	-0.014	12	0.70	14.803	45	05.0	52.53	45	05.0	A3	CZ	16664	P -47 8476
88	9.5E	9.3*	42 18.377	0.0004	12	-46 5 50.69	-0.019	12	0.64	18.360	31	02.8	49.77	28	02.8	A0	CZ	16666	P -46 8882
89	8.5E	8.8Z	42 21.318	0.0044	12	-41 14 33.46	-0.023	12	0.65	21.096	28	99.9	32.31	26	99.9	F8	CZ	16671	P -41 8218
90	9.7E	9.5Z	42 24.527	0.0007	12	-43 4 32.52	0.005	12	0.71	24.496	45	03.4	32.75	45	03.4	A2	CZ	16670	P -43 8254
91	9.5E	9.0Z	42 28.429	0.0009	12	-47 8 16.96	-0.009	12	0.70	28.388	45	05.0	16.54	45	05.0	K0	CZ	16668	P -47 8478
92		8.6T	42 29.265	0.0043	17	-44 35 25.30	-0.013	17	0.82	29.065	24	03.8	24.68	22	03.1	K0	GC	24083	C -4412044
93	8.0E	8.1Z	42 37.197	0.0002	12	-49 35 33.00	-0.020	12	0.70	37.187	45	04.9	32.09	45	04.9	A0	CZ	16669	P -4910238
94	10.0E	9.4Z	42 40.903	0.0011	12	-44 6 31.37	0.011	12	0.70	40.852	45	05.0	31.85	45	05.0	F2	CZ	16674	P -44 8752
95	8.7E	8.5Z	42 46.326	-0.0020	12	-40 42 29.31	-0.189	12	0.84	46.422	63	01.4	20.13	57	01.4	G5	CZ	16678	P -40 8066
96	8.2E	8.3Z	42 49.959	0.0030	12	-48 11 5.93	-0.009	12	0.69	49.824	45	05.3	5.51	45	05.3	A0	CZ	16673	P -48 9463
97	9.2E	9.0*	42 52.979	0.0006	12	-47 59 42.61	-0.002	12	0.62	52.950	28	03.4	42.68	26	03.4	B9	CZ	16675	P -47 8480
98	10.2E	9.0Z	42 54.153	0.0002	12	-47 36 25.44	-0.006	12	0.65	54.143	36	05.1	25.15	36	05.1	K0	CZ	16677	P -47 8481
99	9.8E	8.8Z	43 3.206	0.0012	12	-47 59 22.23	-0.033	12	0.65	3.151	36	05.1	20.73	36	05.1	K0	CZ	16679	P -47 8483
00	8.6E	8.7Z	43 4.680	-0.0004	12	-40 13 3.46	-0.004	12	0.84	4.699	63	01.4	3.27	57	01.4	A0	CZ	16681	P -40 8069

228400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 17H DM NUMBER
1	9.3E	9.3Z	17 43 9.085	0.0008	12	-46 5 38.69	0.008	12	0.65	9.047	36	05.1	39.08	36	05.1	F0	CZ	16680	P -46 8888
2	8.5T		43 11.151	0.0017	13	-40 33 51.26	-0.030	13	0.69	11.089	24	00.9	49.77	22	00.1	A0	GC	24102	C -4011620
3	9.3E	9.3Z	43 14.415	0.0020	12	-44 1 22.62	0.009	12	0.65	14.323	36	04.9	23.21	36	04.9	A0	CZ	16682	P -43 8262
4	8.8E	9.3Z	43 17.687	0.0014	12	-42 56 55.45	0.005	12	0.68	17.820	36	01.6	55.59	36	01.6	A0	CZ	16684	P -42 7949
5	8.8E	9.0Z	43 19.798	0.0012	12	-42 29 20.13	0.005	12	0.68	19.740	36	01.6	20.34	36	01.6	A0	CZ	16688	P -42 7951
6	10.2E	9.8N	43 20.290	0.0001	12	-43 28 19.06	0.008	12	0.67	20.276	36	02.8	19.43	36	02.8	B8	CZ	16685	P -43 8267
7	7.9E	7.9Z	43 20.542	0.0031	12	-40 22 23.54	-0.002	12	0.65	20.285	28	99.8	23.46	26	99.8	F0	CZ	16690	P -40 8075
8	9.1E	7.9Z	43 20.815	0.0025	12	-41 15 49.47	0.004	12	0.64	20.792	28	00.3	49.67	24	00.3	K5	CZ	16689	P -41 8233
9	7.8E	8.0Z	43 20.880	0.0014	12	-43 28 32.04	0.001	12	0.67	20.824	36	02.8	32.09	36	02.8	B8	CZ	16686	P -43 8267
10		7.8T	43 34.552	-0.0010	16	-40 50 30.42	-0.030	17	0.85	34.600	24	03.9	29.01	24	03.0	B9	GC	24110	C -4011628
11	10.3E	9.7Z	43 35.684	0.0015	12	-49 5 44.01	0.004	12	0.70	35.559	45	04.9	44.19	45	04.9	A0	CZ	16687	P -4910849
12	9.3E	9.5Z	43 38.589	0.0014	12	-41 12 38.84	0.005	12	0.68	38.500	36	01.5	38.48	36	01.5	A2	CZ	16695	P -41 8236
13	8.9E	9.0Z	43 43.255	0.0013	12	-40 32 38.96	-0.005	12	0.73	43.191	45	01.5	38.71	45	01.5	B8	CZ	16699	P -40 8080
14	9.4E	9.4Z	43 44.761	0.0001	12	-48 43 47.02	-0.023	12	0.69	44.758	45	05.3	45.99	45	05.3	A0	CZ	16691	P -48 9472
15	8.4E	9.5Z	43 45.089	0.0004	12	-42 0 40.85	0.001	12	0.67	45.076	26	98.6	40.88	26	98.6	A0	CZ	16697	P -41 8239
16	8.9E	8.9Z	43 48.626	0.0008	12	-49 23 29.58	0.000	12	0.63	48.590	31	03.1	29.58	28	03.1	B9	CZ	16692	P -4910252
17		7.4T	43 53.568	0.0027	15	-45 28 39.09	-0.027	13	0.74	53.434	19	00.0	37.66	18	97.5	A2	GC	24121	C -4511687
18	9.4E	9.0Z	44 0.199	0.0000	12	-42 0 35.67	-0.076	12	0.73	0.197	45	01.6	31.97	45	01.6	G0	CZ	16703	P -41 8242
19	11.0E	10.0N	44 3.794	0.0019	12	-49 55 29.46	0.002	12	0.63	3.704	31	03.1	29.55	28	03.1		CZ	16696	P -4910253
20		5.1N	44 5.100	0.0001	02	-40 6 34.95	-0.006	02	0.09	5.097	04	14.6	34.72	05	13.8	F5P	F4	666	C -4011638
21	8.9E	9.0Z	44 10.478	0.0017	12	-41 20 17.25	-0.012	12	0.73	10.393	45	01.6	16.67	45	01.6	A0	CZ	16707	P -41 8244
22		8.2T	44 12.308	0.0011	25	-44 31 35.70	-0.042	20	0.94	12.256	21	03.2	33.71	19	03.0	K0	GC	24126	C -4412070
23	9.3E	9.1Z	44 16.070	0.0027	12	-45 19 14.36	-0.033	12	0.65	15.948	36	04.8	12.86	36	04.8	G5	CZ	16705	P -45 8860
24	9.4E	9.5Z	44 22.156	0.0016	12	-40 57 27.09	-0.002	12	0.84	22.077	63	01.5	26.99	57	01.5	A	CZ	16710	P -40 8092
25	8.8E	8.0Z	44 24.849	-0.0000	12	-43 25 36.18	0.022	12	0.64	24.851	28	01.2	37.24	26	01.2	G5	CZ	16709	P -43 8279
26	9.0E	9.5Z	44 25.588	0.0023	12	-40 57 57.49	-0.005	12	0.84	25.475	63	01.5	57.25	57	01.5	B8	CZ	16712	P -40 8095
27	8.8E	9.3Z	44 28.233	0.0003	12	-40 7 19.95	0.001	12	0.84	28.218	63	01.5	20.00	57	01.5	B8	CZ	16713D	P -40 8101
28		7.0T	44 31.442	0.0004	16	-47 14 18.99	0.015	14	0.84	31.324	19	01.4	19.75	18	98.2	A0	GC	24139	C -4711816
29	9.7E	9.7Z	44 33.438	0.0006	12	-42 16 12.46	0.005	12	0.73	33.411	45	01.6	12.67	45	01.6		CZ	16714	P -42 7963
30		9.7T	44 34.462	0.0031	20	-44 24 34.09	0.018	20	0.93	34.320	24	04.6	34.90	24	04.2	K2	GC	24142	C -4412078
31	8.3E	9.0Z	44 37.336	0.0012	12	-42 31 17.06	-0.004	12	0.73	37.279	45	01.6	16.86	45	01.6	B9	CZ	16715	P -42 7964
32	10.8E	9.7Z	44 43.082	-0.0008	12	-48 51 2.68	-0.005	12	0.69	43.129	45	05.3	2.46	45	05.3	A5	CZ	16711	P -48 9491
33	9.3E	9.0Z	44 43.221	0.0012	12	-42 41 9.75	-0.006	12	0.73	43.164	45	01.6	9.45	45	01.6	F0	CZ	16717	P -42 7967
34	9.3E	9.0Z	44 54.989	0.0006	12	-48 13 42.85	-0.009	12	0.69	54.945	45	05.3	42.43	45	05.3	G5	CZ	16716	P -48 9497
35		8.6T	44 56.068	0.0020	20	-44 19 29.58	0.013	20	0.91	55.977	24	05.1	30.15	24	05.1	A5	GC	24151	C -4412081
36	8.8E	8.7N	44 56.789	0.0010	12	-45 0 41.70	0.014	12	0.70	56.742	45	05.0	42.33	45	05.0	F0	CZ	16718D	P -44 8775
37	8.8E	9.0Z	45 2.204	0.0015	12	-43 0 17.92	0.002	12	0.67	2.130	31	99.6	18.01	28	99.6	A0	CZ	16721	P -42 7971
38		8.6T	45 5.273	0.0048	20	-45 21 24.02	-0.006	20	0.91	5.060	24	05.5	23.74	24	05.1	A0	GC	24154	C -4511909
39	9.7E	9.2Z	45 14.692	0.0013	12	-41 29 4.22	0.006	12	0.73	14.628	45	01.6	4.51	45	01.6	A0	CZ	16726	P -41 8258
40	9.3E	9.7Z	45 14.852	0.0010	12	-46 55 30.09	-0.001	12	0.69	14.808	45	05.3	30.03	45	05.3	B2	CZ	16723	P -46 8909
41		8.0T	45 15.643	0.0003	17	-44 7 18.84	-0.007	16	0.86	15.628	22	03.3	18.49	19	02.1	A0	GC	24159	C -4412084
42	8.4E	8.8N	45 18.025	0.0028	12	-47 41 13.75	0.019	12	0.63	17.891	31	03.1	14.62	28	03.1	F2	CZ	16724	P -47 8508
43	9.6E	8.5Z	45 20.969	0.0031	12	-40 17 5.17	-0.010	12	0.84	20.818	63	01.5	4.69	57	01.5	F5	CZ	16728	P -40 8118
44	8.3E	8.5Z	45 27.640	0.0011	12	-41 41 51.14	0.018	12	0.73	27.585	45	01.6	52.00	45	01.6	B9	CZ	16731	P -41 8262
45	9.5E	9.0Z	45 29.731	0.0027	12	-46 26 46.37	-0.008	12	0.69	29.612	45	05.3	48.00	45	05.3	K0	CZ	16727	P -46 8914
46		8.9T	45 30.339	0.0001	13	-40 43 15.74	-0.031	14	0.72	30.336	22	00.4	14.22	22	00.8	A2	GC	24164	C -4011870
47	7.9E	8.8Z	45 33.344	0.0019	12	-41 26 46.33	-0.010	12	0.73	33.254	45	01.6	45.86	45	01.6	F0	CZ	16734	P -41 8265
48		8.0T	45 34.718	0.0010	14	-46 12 9.36	-0.002	12	0.70	34.666	18	99.5	9.24	17	95.6	A0	GC	24166	C -4611867
49	9.2E	9.6Z	45 37.009	0.0018	12	-46 24 59.14	-0.008	12	0.69	36.931	45	05.3	58.76	45	05.3	A0	CZ	16730	P -46 8917
50	8.8E	9.5Z	45 40.859	0.0012	12	-46 33 51.77	-0.003	12	0.63	40.804	31	03.1	51.62	28	03.1	B8	CZ	16732	P -46 8918
51		9.4T	17 45 40.885	0.0006	20	-44 16 29.68	-0.010	20	0.91	40.857	24	05.5	29.21	24	05.1	F0	GC	24169	C -4412088
52	9.0E	9.2Z	45 43.248	0.0011	12	-41 46 14.54	0.001	12	0.73	43.193	45	01.6	14.57	45	01.6	A0	CZ	16738	P -41 8270
53	9.1E	8.5Z	45 46.760	0.0029	12	-40 51 24.32	-0.045	12	0.84	46.618	63	01.5	22.14	57	01.5	G5	CZ	16739	P -40 8126
54	9.2E	9.0Z	45 49.666	0.0001	12	-45 38 32.29	-0.021	12	0.64	49.659	31	02.8	51.29	28	02.8	F0	CZ	16736	P -45 8881
55	9.9E	9.5Z	46 0.427	0.0014	12	-44 29 23.54	-0.021	12	0.70	0.363	45	05.0	22.58	45	05.0	A0	CZ	16740	P -44 8785
56	9.4E	9.0Z	46 3.337	0.0003	12	-41 11 51.27	-0.021	12	0.73	3.321	45	01.6	50.25	45	01.6	F5	CZ	16744	P -41 8277
57	9.3E	9.6Z	46 4.953	0.0015	12	-42 28 36.67	0.004	12	0.73	4.883	45	01.6	36.84	45	01.6	B9	CZ	16743	P -42 7979
58	9.4E	8.0Z	46 9.806	0.0010	12	-42 35 25.80	-0.001	12	0.73	9.758	45	01.6	25.75	45	01.6	MA	CZ	16745	P -42 7980
59	7.5E	8.2Z	46 14.291	0.0011	12	-41 25 38.92	-0.001	12	0.66	14.238	28	99.6	38.88	26	99.6	B9	CZ	16747	P -41 8282
60	9.4E	9.0Z	46 20.158	0.0019	12	-40 49 28.40	-0.004	12	0.84	20.064	63	01.5	28.21	57	01.5	B8	CZ	16749	P -40 8134
61	9.5E	9.0Z	46 23.835	0.0018	12	-47 59 57.66	0.007	12	0.69	23.754	45	05.3	57.95	45	05.3	F8	CZ	16746	P -47 8518
62	7.9E	8.5Z	46 26.354	0.0009	12	-41 21 53.70	0.008	12	0.73	26.313	45	01.6	54.10	45	01.6	B9	CZ	16754	P -41 8286
63	9.4E	9.0Z	46 26.981	0.0009	12	-42 37 14.67	-0.024	12	0.73	26.938	45	01.6	13.70	45	01.6	F8	CZ	16753	P -42 7984
64		7.4T	46 32.975	0.0031	16	-47 12 58.10	0.009	12	0.75	32.822	19	01.1	58.56	18	97.2	B9	GC	24193	C -4711839
65		6.8T	46 40.194	-0.0014	18	-48 16 15.92	-0.000	12	0.79	40.262	19	02.5	15.90	18	97.5	K0	GC	24196K	C -4812072
66		4.9T	46 41.171	0.0006	07	-40 4 35.09	-0.008	05	0.29	41.147	09	07.0	34.72	09	03.5	A2P	GC	24197K	C* -4011886
67	8.4E	8.5Z	46 42.482	0.0011	12	-41 25 38.69	0.007	12	0.73	42.427	45	01.6	39.03	45	01.6	B9	CZ	16757	P -41 8291
68		7.2T	46 42.785	-0.0009	11	-49 29 53.95	0.026	09	0.44	42.822	15	09.0	55.10	15	05.8	A5	GC	24198	C -4911740
69	9.8E	9.3Z	46 42.908	0.0011	12	-49 52 56.90	-0.016	12	0.70	42.857	45	04.9	56.17	45	04.9	A2	CZ	16750	P -4910276
70	9.6E	9.3Z	46 43.728	0.0011	12	-40 25 47.18	0.004	12	0.84	43.674	63	01.5	47.37	57	01.5	A0	CZ	16760	P -40 8139
71	8.9E	9.1Z	46 43.986	0.0030	12	-42 48 3.19	-0.004	12	0.73	43.842	45	01.6	2.99	45	01.6	A3	CZ	16755	P -42 7992
72	8.7E	9.2Z	46 48.155	0.0007	12	-41 40 22.18	0.012	12	0.73	48.119	45	01.6	22.74	45	01.6	B8	CZ	16762	P -41 8293
73		7.2T	46 53.976	-0.0001	16	-41 38 3.97	-0.024	16	0.85	53.681	24	05.3	2.87	24	05.2	K5	GC	24201	C -4112088
74		7.6T	46 54.317	-0.0021	16	-42 17 14.98	0.002	14	0.78	54.422	22	01.2	15.10	21	98.7	A0	GC	24203	C -4212527
75	9.4E	9.3N	46 59.729	0.0010	12	-48 48 6.69	0.001	12	0.63	59.684	31	03.4	6.73	28	03.4	B8	CZ	16756	P -48 9520
76		8.2T	47 2.428	0.0006	18	-46 12 51.68	-0.012	15	0.83	2.397	24	03.7	51.27	21	00.5	B5	GC	24204	C -4611888
77	9.3E	9.5Z	47 4.494	0.0011	12	-47 52 39.86	0.003	12	0.69	4.444	45	05.3	39.98	45	05.3		CZ	16763	P -47 8527
78	8.8E	8.5Z	47 5.443	0.0023	12	-46 21 0.97	0.004	12	0.69	5.342	45	05.3	1.13	45	05.3	K0	CZ	16767	P -46 8935
79	8.8E	8.5Z	47 9.560	0.0011	12	-42 28 50.37	-0.027	12	0.73	9.509	45	01.6	49.04	45	01.6	F2	CZ	16768	P -42 8001
80	8.9E	9.0Z	47 13.535	0.0004	12	-43 8 5.07	0.002	12	0.64	13.517	28	01.5	5.16	25	01.5	B8	CZ	16769	P -43 8303
81		6.7T	47 17.355	-0.0011	14	-42 18 56.97	-0.053	12	0.73	17.414	17	98.1	54.07	15	95.9	K0	GC	24211	C -4212536
82	8.1E	8.8Z	47 18.520	0.0010	12	-41 50 11.02	0.005	12	0.73	18.470	45	01.6	11.24	45	01.6	B8	CZ	16772	P -41 8300
83	9.5E	9.0Z	47 25.141	0.0023	12	-45 36 36.77	-0.009	12	0.70	25.036	45	05.0	36.54	45	05.0	F2	CZ	16771	P -45 8895
84	9.5E	9.2Z	47 28.471	0.0017	12	-40 38 19.67	-0.005	12	0.84	28.308	63	01.5	19.43	57	01.5	A0	CZ	16773	P -40 8147
85	9.8E	8.7Z	47 35.337	0.0014	12	-41 34 9.09	0.011	12	0.73	35.267	45	01.6	9.60	45	01.6	A0	CZ	16775	P -41 8307
86	9.7E	9.7Z	47 42.512	0.0013	12	-42 56 22.07	-0.013	12	0.73	42.450	45	01.6	21.44	45	01.6	A0	CZ	16777	P -42 8007
87	8.8E	9.5Z	47 49.869	0.0011	12	-47 48 12.17	-0.004	12	0.64	49.819	36	05.4	11.97	36	05.4	B9	CZ	16776	P -47 8532
88	8.4E	9.0Z	47 50.507	0.0019	12	-48 10 25.70	0.002	12	0.64	50.421	36	05.4	25.77	36	05.4	A0	CZ	16774	P -48 9534
89		6.0T	48 1.542	-0.0025	12	-40 45 33.43	-0.053	10	0.59	1.669	19	00.0	30.63	18	97.0	M0	GC	24226K	C -4011905
90		6.2T	48 2.545	0.0009	10	-45 35 17.76	-0.004	07	0.50	2.497	15	97.4	17.50	17	90.2	G5	GC	24228	C -4511958
91	9.0E	8.7Z	48 2.816	0.0008	12	-41 33 17.84	0.014	12	0.73	2.776	45	01.6	18.50	45	01.6	A0	CZ	16782	P -41 8316
92	8.7E	9.0Z	48 3.571	0.0021	12	-49 20 50.07	0.004	12	0.70	3.478	45	04.9	50.25	45	04.9	B9	CZ	16778	P -4910292
93		9.2T	48 11.593	0.0010	18	-44 19 22.95	-0.041	18	0.86	11.547	24	05.3	21.07	24	04.6	G0	GC	24232	C -4412134
94	9.7E	9.3Z	48 17.095	0.0010	12	-40 22 4.38	0.004	12	0.84	17.046	63	01.5	4.58	57	01.5	A0	CZ	16787	P -40 8162
95	8.8E	9.0Z	48 17.785	0.0010	12	-40 43 45.63	-0.010	12	0.84	17.735	63	01.5	45.14	57	01.5	B9	CZ	16786	P -40 8160
96	9.5E	9.4Z	48 22.130	0.0022	12	-47 37 43.43	-0.000	12	0.64	22.031	36	05.4	43.41	36	05.4	A0	CZ	16785	P -47 8540
97	7.9E	8.5Z	48 31.288	0.0013	12	-43 11 35.68	-0.015	12	0.65	31.229	36	04.1	35.00	36	04.1	B9	CZ	16788	P -43 8313
98	9.5E	9.2N	48 40.517	0.0018	12	-46 48 5.68	-0.002	12	0.61	40.434	28	03.6	5.57	26	03.6	A0	CZ	16789	P -46 8942
99	9.4E	9.0Z	48 41.067	0.0006	12	-43 35 5.92	-0.014	12	0.62	41.036	26	02.2	5.24	24	02.2	A0	CZ	16791	P -43 8316
00	9.4E	9.3Z	48 45.154	0.0005	12	-41 28 28.65	-0.005	12	0.68	45.128	36	01.6	26.41	36	01.6	A2	CZ	16795	P -41 8326

228500

	EPOCH 1950										ORIGINAL EPOCH							SP.	SOURCE		-40° 17H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1		8.9T	17 48 49.596	-0.0010	20	-44 22 19.12	-0.031	20	0.93	49.641	21	03.3	17.69	19	04.1	B9	GC	24256	C -4412143		
2	9.8E	9.6*	48 51.344	-0.0006	12	-49 43 24.29	-0.010	12	0.63	51.371	31	03.1	25.82	28	03.1	A2	CZ	16790	P -4910302		
3	10.0E	9.0Z	48 57.100	0.0007	12	-49 24 23.33	-0.004	12	0.70	57.089	45	04.9	23.15	45	04.9	K0	CZ	16792	P -4910307		
4	9.4E	9.7Z	48 59.160	0.0006	12	-40 12 0.25	-0.032	12	0.84	59.130	63	01.5	58.70	57	01.5	G5	CZ	16801	P -40 8176		
5	9.8E	9.6Z	49 4.233	0.0012	12	-43 12 10.82	-0.007	12	0.65	4.179	36	04.1	10.50	36	04.1	A0	CZ	16800	P -43 8320		
6		8.7T	49 4.286	-0.0044	18	-46 6 35.68	-0.008	16	0.85	4.474	18	02.6	35.27	19	00.9	A2	GC	24255	C -4611912		
7	9.3*	9.3*	49 5.841	0.0014	12	-47 51 2.14	0.004	12	0.61	5.175	28	03.6	2.31	28	03.6	B9	CZ	16797	P -47 8546		
8	9.3E	9.1H	49 7.070	0.0010	12	-40 4 26.29	-0.016	12	0.84	7.022	63	01.5	25.52	57	04.3	B8	CZ	16806	P -40 8181		
9	9.7E	9.0Z	49 15.666	0.0013	12	-40 35 31.47	-0.005	12	0.84	15.602	63	01.5	31.22	57	01.5	B9	CZ	16809	P -40 8185		
10		6.4T	49 18.104	0.0137	13	-41 58 58.98	-0.197	09	0.61	17.415	19	99.6	47.82	18	93.5	F8	GC	24268	C -4112139		
11	10.2E	9.3Z	49 21.142	-0.0031	12	-48 56 26.67	-0.046	12	0.61	21.287	28	03.9	24.55	28	03.9	F8	CZ	16803	P -48 9558		
12	9.5E	8.7Z	49 24.393	0.0001	12	-41 31 44.79	-0.025	12	0.73	24.393	45	01.6	43.56	45	01.6	F0	CZ	16810	P -41 8337		
13	9.8E	9.0Z	49 25.612	0.0020	12	-45 45 19.50	-0.015	12	0.70	26.520	45	05.0	18.81	45	05.0	K0	CZ	16808	P -45 8029		
14	9.3E	9.0Z	49 36.014	0.0008	12	-42 14 4.07	-0.015	12	0.73	37.977	45	01.6	3.32	45	01.6	F0	CZ	16813	P -42 8035		
15	9.7E	8.7Z	49 38.420	0.0014	12	-46 49 39.67	0.009	12	0.69	38.359	45	05.3	40.05	45	05.3	K0	CZ	16811	P -46 8957		
16	8.5E	9.0Z	49 47.836	0.0011	12	-40 39 27.06	-0.020	12	0.84	47.782	63	01.5	26.09	57	01.5	A0	CZ	16814	P -40 8184		
17	9.4E	9.1Z	49 52.467	0.0006	12	-40 13 19.22	-0.002	12	0.84	52.438	63	01.5	19.12	57	01.5	B8	CZ	16817	P -40 8187		
18	9.8E	9.0Z	49 58.285	-0.0006	12	-41 59 22.61	-0.117	12	0.73	58.292	45	01.6	16.92	45	01.6	G5	CZ	16819	P -41 8344		
19		7.4T	50 2.061	0.0029	17	-43 42 31.86	-0.016	17	0.85	1.919	19	01.4	31.06	18	00.7	K0	GC	24291	C -4312105		
20	8.9E	8.5Z	50 3.725	0.0024	12	-45 49 41.17	-0.003	12	0.70	3.615	45	05.0	41.02	45	05.0	K0	CZ	16816	P -45 8932		
21	9.0E	8.5Z	50 3.740	0.0009	12	-42 53 16.22	-0.017	12	0.65	3.697	28	99.9	15.36	26	99.9	B8	CZ	16822	P -42 8040		
22	8.8E	8.8Z	50 4.659	0.0020	12	-46 22 47.28	-0.006	12	0.69	4.571	45	05.3	46.99	45	05.3	A2	CZ	16815	P -46 8959		
23	8.6E	8.5Z	50 15.461	0.0019	12	-48 19 53.85	-0.034	12	0.63	15.371	31	03.4	52.25	28	03.4	F2	CZ	16820	P -48 9568		
24	11.2E	10.0*	50 18.921	-0.0013	12	-49 22 49.82	-0.007	12	0.63	18.984	31	03.1	49.49	28	03.1		CZ	16821	P -4910320		
25	9.4E	8.3Z	50 19.032	0.0007	12	-41 9 57.95	-0.004	12	0.65	18.996	28	00.2	57.75	26	00.2	K2	CZ	16825	P -41 8346		
26	9.7E	8.7Z	50 24.586	-0.0020	12	-41 50 50.50	-0.043	12	0.73	24.681	45	01.6	48.39	45	01.6	K2	CZ	16826	P -41 8347		
27	9.8E	9.4Z	50 27.588	0.0013	12	-42 39 8.58	-0.003	12	0.73	27.526	45	01.6	8.43	45	01.6	A0	CZ	16827	P -42 8048		
28	9.5E	9.0Z	50 29.614	0.0019	12	-46 31 52.92	-0.018	12	0.69	29.530	45	05.3	52.10	45	05.3	F5	CZ	16823	P -46 8965		
29		8.8T	50 31.799	-0.0029	26	-47 25 3.24	-0.046	26	1.18	31.929	21	04.6	1.14	21	04.6	K2	GC	24312	C -4711895		
30	9.5E	9.3Z	50 34.782	0.0006	12	-45 27 39.17	-0.023	12	0.70	34.756	45	05.0	38.12	45	05.0	F5	CZ	16828	P -45 8936		
31	9.4E	8.7Z	50 42.598	-0.0095	12	-40 24 53.82	0.075	12	0.84	43.058	63	01.5	57.46	57	01.5	G0	CZ	16830	P -40 8208		
32	9.6E	9.2Z	50 48.213	0.0027	12	-40 43 44.45	-0.001	12	0.84	48.081	63	01.5	44.40	57	01.5	K0	CZ	16831	P -40 8210		
33	9.5E	9.0Z	50 58.569	0.0006	12	-42 19 33.84	-0.001	12	0.73	58.542	45	01.6	33.77	45	01.6	A0	CZ	16832	P -42 8059		
34	9.7E	8.5Z	51 8.325	-0.0001	12	-40 14 40.06	0.003	12	0.84	8.329	63	01.5	40.20	57	01.5	K2	CZ	16835	P -40 8218		
35	9.4E	9.0Z	51 8.398	-0.0042	12	-40 20 23.48	0.025	12	0.84	8.601	63	01.5	24.69	57	01.5	G0	CZ	16836	P -40 8219		
36	8.3E	8.5Z	51 12.108	0.0020	12	-42 54 54.66	-0.020	12	0.73	12.013	45	01.6	53.69	45	01.6	A2	CZ	16834	P -42 8063		
37	9.1E	9.4Z	51 19.790	0.0048	12	-48 8 57.92	0.019	12	0.69	19.574	45	05.4	58.74	45	05.4	F0	CZ	16833	P -48 9580		
38	8.9E	8.0Z	51 21.612	0.0002	12	-43 8 52.96	-0.003	12	0.64	21.603	28	01.5	52.81	26	01.5	K0	CZ	16837	P -43 8335		
39	9.8E	9.0Z	51 23.127	0.0006	12	-41 33 36.65	0.004	12	0.65	23.095	28	00.0	36.83	26	00.0	A2	CZ	16839	P -41 8366		
40	9.7E	9.0Z	51 29.619	0.0007	12	-45 41 36.36	-0.000	12	0.70	29.586	45	05.0	36.35	45	05.0	K0	CZ	16838	P -45 8945		
41	9.7E	9.7Z	51 32.408	0.0004	12	-44 35 19.46	-0.016	12	0.70	32.389	45	05.1	18.73	45	05.1	A0	CZ	16840	P -44 8835		
42	9.6E	9.4Z	51 40.741	0.0017	12	-44 37 43.49	-0.010	12	0.70	40.663	45	05.1	43.03	45	05.1	F0	CZ	16842	P -44 8836		
43	8.1E	8.3*	51 43.211	0.0008	12	-47 58 14.89	-0.018	12	0.62	43.172	28	03.1	14.02	26	03.1	A0	CZ	16841	P -47 8570		
44	9.9E	9.8Z	51 47.454	0.0011	12	-46 12 52.33	0.013	12	0.69	47.406	45	05.3	52.89	45	05.3	B9	CZ	16843	P -46 8977		
45	9.6E	9.6Z	51 50.582	-0.0006	12	-45 27 47.23	-0.036	12	0.70	50.610	45	05.0	45.60	45	05.0	A3	CZ	16844	P -45 8950		
46		8.2T	52 3.782	0.0004	15	-44 55 20.50	-0.034	12	0.73	3.761	19	00.2	18.68	18	96.9	K0	GC	24353	C*-4412188		
47	10.0E	9.9Z	52 5.531	0.0021	12	-48 40 35.10	0.006	12	0.69	5.440	45	05.4	35.37	45	05.4	A0	CZ	16845	P -48 9583		
48		7.2T	52 8.904	0.0045	17	-48 55 56.41	-0.014	13	0.78	8.687	19	01.7	55.69	18	98.6	G5	GC	24355	C -4812154		
49	9.1E	9.5Z	52 9.667	0.0010	12	-42 50 34.84	-0.009	12	0.65	9.619	28	00.2	34.39	26	00.2	A0	CZ	16848	P -42 8086		
50	9.5E	9.4Z	52 11.195	0.0030	12	-43 18 45.90	-0.004	12	0.71	11.056	45	03.5	45.71	45	03.5	F8	CZ	16849	P -43 8341		
51	10.1E	9.8Z	17 52 16.279	0.0021	12	-45 24 12.02	-0.006	12	0.70	16.185	45	05.0	11.73	45	05.0	B9	CZ	16851	P -45 8953		
52		8.4T	52 21.534	0.0028	20	-45 35 38.13	-0.018	22	1.00	21.403	21	03.8	37.29	21	03.8	B9	GC	24358	C -4512021		
53		8.3T	52 23.272	0.0002	20	-44 42 28.21	0.014	22	0.96	23.261	24	06.0	28.81	24	05.9	G5	GC	24359	C -4412193		
54	9.8E	9.0Z	52 24.050	-0.0005	12	-40 58 35.03	-0.033	12	0.84	24.073	63	01.5	33.43	57	01.5	K2	CZ	16858	P -40 8241		
55	9.2E	8.8*	52 27.507	-0.0000	12	-45 8 55.88	-0.029	12	0.64	27.507	31	02.8	54.49	28	02.8	A2	CZ	16855	P -45 8958		
56		7.6T	52 28.758	0.0010	16	-46 41 42.36	0.009	13	0.75	28.707	19	01.6	42.81	18	98.5	B3	GC	24361	C -4611959		
57		6.8T	52 29.789	-0.0000	16	-42 18 55.68	-0.011	13	0.77	29.790	18	99.6	55.07	17	96.7	A5	GC	24362	C -4212634		
58	10.1E	9.7Z	52 30.615	0.0007	12	-46 9 23.89	-0.012	12	0.69	30.585	45	05.3	23.34	45	05.3	A5	CZ	16856	P -46 8988		
59	9.5E	9.0Z	52 37.630	0.0018	12	-44 32 1.44	-0.021	12	0.70	37.547	45	05.1	0.48	45	05.1	K0	CZ	16860	P -44 8843		
60	8.8E	8.0Z	52 38.588	0.0011	12	-47 26 41.40	-0.020	12	0.69	38.540	45	05.4	40.49	45	05.4	K0	CZ	16857	P -47 8585		
61	9.6E	9.0Z	52 55.620	0.0006	12	-40 14 22.73	-0.007	12	0.84	55.591	63	01.5	22.39	57	01.5	A0	CZ	16861	P -40 8251		
62		5.0T	53 8.355	-0.0010	08	-44 20 9.17	-0.010	06	0.31	8.391	09	12.9	8.68	12	02.9	K0	GC	24374	C*-4412201		
63		7.5T	53 17.249	0.0002	15	-40 22 45.79	-0.021	14	0.77	17.237	22	00.9	44.71	21	98.3	K2	GC	24377	C -4012000		
64		6.5T	53 25.293	0.0014	13	-40 17 59.14	0.005	13	0.70	25.224	18	98.6	59.41	17	97.8	K5	GC	24383	C -4012001		
65	9.0E	9.0Z	53 27.561	-0.0031	12	-46 6 50.88	-0.082	12	0.65	27.702	36	05.1	47.18	36	05.1	F8	CZ	16864	P -46 8995		
66	8.4E	9.0Z	53 31.400	0.0004	12	-40 47 46.75	-0.011	12	0.73	31.379	45	01.5	46.22	45	01.5	B9	CZ	16869	P -40 8261		
67	8.9E	9.0Z	53 32.469	0.0002	12	-40 6 53.72	0.018	12	0.73	32.459	45	01.5	54.60	45	01.5	A0	CZ	16871	P -40 8263		
68	10.2E	9.4Z	53 32.550	0.0011	12	-45 16 2.69	-0.016	12	0.65	32.501	36	05.1	1.96	36	05.1	F5	CZ	16866	P -45 8969		
69		6.8T	53 36.525	0.0001	11	-41 58 21.40	-0.000	08	0.54	36.521	21	00.3	21.38	21	94.6	B3	GC	24391	C -4112221		
70	8.5E	8.5Z	53 43.980	-0.0002	12	-40 44 26.65	-0.001	12	0.65	43.988	28	99.8	26.60	26	99.8	A5	CZ	16875	P -40 8265		
71	9.5E	9.3Z	53 45.539	0.0012	12	-46 19 23.32	-0.000	12	0.65	45.487	36	05.1	23.31	36	05.1	B9	CZ	16870	P -46 8998		
72	10.1E	9.4Z	53 47.911	0.0042	12	-46 23 29.31	-0.021	12	0.65	47.724	36	05.1	28.35	36	05.1	F8	CZ	16873	P -46 9000		
73	9.5E	9.1*	53 49.676	0.0005	12	-49 8 12.67	-0.003	12	0.63	49.654	31	03.1	12.53	28	03.1	A0	CZ	16868	P -4910346		
74	9.8E	9.2Z	53 52.517	0.0006	12	-41 19 48.15	-0.009	12	0.73	52.487	45	01.5	47.72	45	01.5	A2	CZ	16876	P -41 8409		
75	9.4E	9.0*	53 54.048	0.0017	12	-45 56 20.91	0.012	12	0.62	53.966	28	03.4	21.46	26	03.4	A2	CZ	16874	P -45 8973		
76	10.2E	10.0Z	54 8.754	0.0023	12	-47 22 53.14	-0.017	12	0.62	8.647	28	03.5	52.33	26	03.5	F2	CZ	16878	P -47 8598		
77	9.4E	8.5Z	54 10.997	0.0005	12	-48 17 8.23	0.006	12	0.69	10.973	45	05.4	8.48	45	05.4	K0	CZ	16877	P -48 9599		
78		4.9T	54 14.441	-0.0014	07	-41 42 40.29	-0.010	05	0.26	14.500	09	08.3	39.80	09	03.0	M0	GC	24402	C*-4112231		
79		8.2T	54 17.448	-0.0022	16	-44 47 13.51	-0.062	13	0.76	17.555	19	01.0	10.29	18	98.2	F8	GC	24403	C -4412215		
80	8.8E	8.5*	54 19.490	-0.0027	12	-48 0 46.22	-0.113	12	0.63	19.615	31	03.4	40.93	28	03.4	F5	CZ	16880	P -47 8602		
81		7.7T	54 23.359	0.0006	09	-45 27 5.02	0.001	09	0.41	23.334	15	06.4	5.05	14	05.2	A3	GC	24406	C -4512052		
82		7.0T	54 25.374	-0.0000	13	-41 56 18.61	0.011	10	0.63	25.376	21	00.5	19.19	19	95.5	G5	GC	24408	C -4112233		
83	9.3E	8.7Z	54 31.548	0.0006	12	-41 31 29.62	-0.002	12	0.73	31.517	45	01.5	29.50	45	01.5	A2	CZ	16887	P -41 8416		
84	9.6E	9.1Z	54 45.535	0.0003	12	-41 26 16.96	-0.000	12	0.73	45.519	45	01.5	16.96	45	01.5	A0	CZ	16892	P -41 8423		
85	10.0E	9.0Z	54 45.903	0.0010	12	-48 19 6.13	0.023	12	0.69	45.857	45	05.4	7.14	45	05.4	K0	CZ	16886	P -48 9605		
86	9.3E	8.9H	54 47.485	-0.0001	12	-44 58 17.99	-0.106	12	0.69	47.492	45	05.4	13.25	45	05.4	G0	CZ	16891	P -44 8861		
87	10.0E	9.8Z	54 47.589	0.0017	12	-46 16 5.20	-0.009	12	0.70	47.514	45	05.0	4.78	45	05.0	A5	CZ	16889	P -46 9012		
88	9.3E	9.0Z	54 48.431	0.0027	12	-47 15 52.97	-0.014	12	0.70	48.310	45	05.1	52.33	45	05.1	A0	CZ	16888	P -47 8604		
89	9.8E	8.8*	54 59.314	0.0004	12	-46 17 51.83	-0.010	12	0.64	59.297	31	02.7	51.34	28	02.7	F0	CZ	16893	P -46 9015		
90	8.1E	8.5Z	55 0.234	0.0009	12	-42 28 55.92	0.012	12	0.73	0.193	45	01.6	56.48	45	01.6	B0P	CZ	16894	P -42 8122		
91	8.2E	8.5H	55 0.338	0.0012	12	-40 2 18.73	-0.011	12	0.84	0.279	63	01.4	18.20	57	01.4	B8	CZ	16895	P -40 8278		
92	8.5E	8.5Z	55 7.849	-0.0005	12	-40 35 54.47	-0.039	12	0.84	7.872	63	01.4	52.57	57	01.4	A2	CZ	16899	P -40 8280		
93	9.7E	8.3Z	55 10.319	0.0012	12	-42 43 34.73	0.018	12	0.65	10.260	28	99.9	35.63	26	99.9	K5	CZ	16897	P -42 8126		
94	9.8E	8.5Z	55 23.862	0.0002	12	-41 4 55.89	0.001	12	0.73	23.851	45	01.5	55.95	45	01.5	A0	CZ	16902	P -41 8438		
95	9.0E	9.0Z	55 24.477	0.0018	12	-44 31 39.89	0.001	12	0.69	24.395	45	05.4	39.93	45	05.4	A2	CZ	16900	P -44 8864		
96	10.4E	9.2Z	55 25.987	0.0016	12	-48 28 11.65	-0.000	12	0.69	25.914	45	05.4	11.64	45	05.4	K0	CZ	16898	P -48 9608		
97	10.6E	9.8*	55 26.475	0.0011	12	-49 28 20.61	0.013	12	0.63	26.425	31	03.1	21.22	28	03.1	A0	CZ	16896	P -4910363		
98	9.1E	9.2Z	55 34.028	0.0016	12	-48 7 1.35	-0.016	12	0.69	33.956	45	05.4	0.62	45	05.4	A0	CZ	16901	P -48 9611		
99		8.0T	55 39.318	-0.0009	10	-47 46 14.27	-0.016	09	0.43	39.356	15	09.1	13.55	15	06.0	F8	GC	24443K	C*-4711960		
00	9.3E	8.7Z	55 48.145	0.0022	12	-47 24 17.64	-0.032	12	0.70	48.046	45	05.1	16.19	45	05.1	A5	CZ	16904	P -47 8621		

228600

NUMBER	MAGNITUDES m_{pg}	m_v	EPOCH 1950 α_{1950} h m s	μ_s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 17H DM NUMBER
1	8.4E	8.5Z	17 55 52.632	0.0015	12	-43 43 25.56	-0.002	12	0.64	52.558	28	01.2	25.44	26	01.2	B9	CZ	16906	P -43 9367
2	9.8E	8.5Z	55 53.788	0.0031	12	-41 29 42.71	0.002	12	0.73	53.637	45	01.5	42.81	45	01.5	A3	CZ	16907	P -41 8444
3		7.3T	55 55.181	0.0011	20	-47 45 32.82	-0.003	12	0.85	55.128	22	00.7	32.44	19	95.6	A0	GC	24453	C -4711970
4	8.3E	8.5Z	56 1.998	0.0016	12	-40 43 32.36	0.010	12	0.84	1.918	63	01.4	32.85	57	01.4	B9	CZ	16910	P -40 8298
5	9.8E	8.5Z	56 6.675	0.0002	12	-46 12 39.04	-0.007	12	0.70	6.668	45	05.0	38.71	45	05.0	A0	CZ	16909	P -46 9027
6		8.6T	56 8.088	0.0013	13	-41 29 5.32	-0.026	13	0.70	8.002	18	99.3	3.97	17	97.8	B8	GC	24465	C -4112270
7	9.5E	8.5Z	56 12.657	0.0014	12	-49 6 2.79	-0.004	12	0.70	12.626	45	04.9	2.61	45	04.9	A0	CZ	16908	P -4910377
8		8.7T	56 26.324	-0.0084	22	-47 44 44.82	-0.001	18	0.96	26.432	24	05.5	44.76	22	03.4	K0	GC	24472	C -4711975
9	9.8E	9.0Z	56 27.144	0.0008	12	-42 11 50.41	0.005	12	0.73	27.117	45	01.6	50.63	45	01.6	A0	CZ	16915	P -42 8148
10		7.8T	56 28.307	0.0014	13	-49 54 52.60	0.009	12	0.67	28.235	18	00.1	53.06	17	97.1	F8	GC	24473	C -4911852
11	8.4E	8.7Z	56 29.084	0.0025	12	-40 51 11.83	-0.007	12	0.84	28.901	63	01.4	11.49	57	01.4	A3	CZ	16916	P -40 8310
12		8.9T	56 29.328	0.0020	17	-47 33 5.18	-0.019	13	0.76	29.232	22	02.6	4.18	19	99.5	B9	GC	24474	C -4711976
13	9.7E	8.7Z	56 31.845	0.0004	12	-40 27 3.46	-0.026	12	0.84	31.225	63	01.4	2.20	57	01.4	K2	CZ	16919	P -40 8313
14	10.1E	9.1H	56 36.388	-0.0001	12	-42 58 2.64	0.009	12	0.73	36.395	45	01.6	3.06	45	01.6	A0	CZ	16917	P -42 8149
15	9.8E	9.2Z	56 37.123	0.0016	12	-42 58 6.91	-0.006	12	0.73	37.047	45	01.6	6.52	45	01.6	A0	CZ	16918	P -42 8149
16	9.3E	9.0Z	56 39.891	0.0007	12	-40 35 55.83	0.007	12	0.84	39.856	63	01.4	56.17	57	01.4	A0	CZ	16923	P -40 8315
17	9.3E	9.3Z	56 43.783	0.0015	12	-42 36 52.61	0.002	12	0.73	43.712	45	01.6	52.70	45	01.6	A0	CZ	16922	P -42 8155
18	9.3E	8.7Z	56 48.387	0.0014	12	-41 45 36.91	-0.007	12	0.73	48.317	45	01.5	36.55	45	01.5	A0	CZ	16924	P -41 8466
19	9.0E	8.8Y	56 53.072	0.0017	12	-48 28 30.73	0.004	12	0.63	52.991	31	03.4	30.90	28	03.4	A0	CZ	16921	P -48 9817
20	9.8E	9.3Z	57 4.298	0.0004	12	-46 34 6.69	-0.053	12	0.64	4.280	31	02.8	4.17	28	02.8	F8	CZ	16926	P -46 9033
21	9.4E	8.3Z	57 10.546	0.0001	12	-42 0 40.58	0.039	12	0.73	10.539	45	01.6	42.45	45	01.6	F5	CZ	16928	P -42 8163
22	10.1E	9.3Z	57 25.681	0.0032	12	-47 53 3.59	-0.069	12	0.70	25.537	45	05.1	2.26	45	05.1	K0	GC	24829	P -47 8440
23	10.3E	9.0Z	57 28.834	-0.0001	12	-40 6 52.31	-0.015	12	0.84	28.838	63	01.4	51.58	57	01.4	K0	CZ	16936	P -40 8327
24	11.3E	9.4H	57 29.432	0.0005	12	-40 6 50.27	-0.015	12	0.84	29.407	63	01.4	49.34	57	01.4	K0	CZ	16937	P -40 8327
25		7.7T	57 29.810	-0.0043	18	-45 49 29.60	-0.010	14	0.82	30.006	24	03.7	29.08	21	99.4	G5	GC	24496K	C -4512101
26	10.4E	9.7Z	57 31.150	0.0006	12	-45 49 5.91	-0.006	12	0.69	31.121	45	05.3	5.62	45	05.3		CZ	16933	P -45 9014
27	9.8E	8.5Z	57 36.825	0.0015	12	-45 36 55.42	-0.007	12	0.69	36.756	45	05.3	55.10	45	05.3	G5	CZ	16935	P -45 9015
28	10.7E	9.3H	57 37.941	0.0011	12	-47 10 16.10	0.004	12	0.64	37.889	31	02.9	16.28	28	02.9	K5	CZ	16934	P -47 8645
29		8.0T	57 40.799	0.0004	17	-40 20 5.29	-0.019	13	0.73	40.778	19	03.6	4.37	17	01.4	B8	GC	24497	C -4012070
30	8.0E	8.0Z	58 10.469	0.0014	12	-48 48 37.42	-0.007	12	0.61	10.407	28	03.9	37.10	26	03.9	B5	CZ	16941	P -48 9823
31	10.4E	9.8Z	58 13.025	0.0012	12	-48 12 45.86	-0.000	12	0.64	12.970	36	05.4	45.84	36	05.4	A0	CZ	16942	P -48 9825
32	8.8E	9.3H	58 13.284	0.0008	12	-40 6 55.61	-0.009	12	0.68	13.243	31	99.0	55.15	28	99.0	B9	CZ	16946	P -40 8341
33	9.8E	9.0Z	58 15.542	-0.0001	12	-41 24 17.81	0.015	12	0.64	15.546	36	00.3	18.36	24	00.3	F8	CZ	16945	P -41 8478
34	9.8E	9.6Z	58 16.258	0.0017	12	-48 2 41.48	-0.004	12	0.64	16.181	36	05.4	41.29	36	05.4	A0	CZ	16943	P -48 9826
35	10.1E	9.2Z	58 19.703	-0.0003	12	-44 17 27.11	0.001	12	0.64	19.715	36	05.4	27.14	36	05.4	G5	CZ	16944	P -44 8866
36		8.7T	58 27.649	0.0034	20	-44 26 27.67	-0.000	20	0.93	27.493	24	04.6	27.65	24	04.2	G5	GC	24516	C -4412267
37	9.5E	8.5Z	58 37.269	0.0013	12	-46 59 38.14	0.009	12	0.65	37.212	36	05.1	38.52	36	05.1	K0	CZ	16948	P -46 9056
38	10.0E	9.5Z	58 40.660	0.0017	12	-47 12 34.13	-0.016	12	0.65	40.604	36	05.2	33.39	36	05.2	A0	CZ	16950	P -47 9053
39	9.7E	9.0Z	58 41.121	0.0015	12	-45 40 7.57	-0.018	12	0.61	41.049	28	03.6	6.72	28	03.6	A0	CZ	16951	P -45 9028
40	9.7E	9.0Z	58 41.807	0.0013	12	-45 44 18.39	-0.007	12	0.65	41.747	36	05.3	18.07	36	05.3		CZ	16952	P -45 9027
41	8.9E	9.0Z	58 42.116	0.0025	12	-42 14 13.48	0.002	12	0.65	41.995	28	00.5	13.60	26	00.5	A0	CZ	16954	P -42 8195
42	8.2E	8.3Z	58 44.984	0.0013	12	-49 37 14.04	0.001	12	0.63	44.923	31	03.4	14.08	28	03.4	B8	CZ	16949	P -4910398
43	8.8E	7.8Z	58 50.374	0.0013	12	-42 34 17.19	-0.044	12	0.64	50.311	36	00.5	15.00	24	00.5	K2	CZ	16956	P -42 8199
44		9.0T	58 52.631	0.0033	20	-44 32 57.20	-0.013	20	0.95	52.578	21	02.6	56.57	19	02.4	A0	GC	24527	C -4412273
45	9.1E	9.4Z	58 58.393	0.0005	12	-40 46 52.05	-0.032	12	0.84	58.367	63	01.4	50.49	57	01.4	A2	CZ	16961	P -40 8352
46	10.4E	9.8Z	58 58.842	0.0017	12	-42 4 5.18	-0.002	12	0.73	58.758	45	01.6	5.06	45	01.6	K0	CZ	16959	P -42 8203
47	10.3E	9.8Z	58 59.885	0.0019	12	-42 4 10.87	0.007	12	0.73	59.791	45	01.6	11.19	45	01.6	K0	CZ	16960	P -42 8203
48	8.7E	9.1H	59 2.918	0.0013	12	-40 5 19.09	0.007	12	0.84	2.855	63	01.4	19.43	57	01.4	B5	CZ	16963	P -40 8357
49	9.9E	9.4H	59 3.254	0.0005	12	-46 1 22.84	-0.019	12	0.62	3.232	28	03.4	21.94	26	03.4	F8	CZ	16957	P -46 9058
50	9.9E	9.0Z	59 4.698	0.0005	12	-41 42 48.24	-0.013	12	0.73	4.872	45	01.5	47.59	45	01.5	A0	CZ	16962	P -41 8490
51	9.5E	9.0Z	17 59 6.344	0.0000	12	-40 31 54.93	-0.013	12	0.84	6.343	63	01.4	54.30	57	01.4	A5	CZ	16964	P -40 8358
52	10.2E	9.0Z	59 12.610	-0.0025	12	-48 22 58.58	-0.136	12	0.64	12.716	36	05.4	52.50	36	05.4	G0	CZ	16958	P -48 9629
53		7.5T	59 25.462	0.0001	17	-43 27 51.14	-0.021	12	0.76	25.458	17	01.2	50.04	17	98.1	K0	GC	24540K	C -4312220
54	9.4E	9.0Z	59 36.461	-0.0003	12	-40 20 17.27	-0.012	12	0.84	36.475	63	01.4	16.69	57	01.4	A0	CZ	16970	P -40 8365
55	8.8E	9.0Z	59 38.311	0.0024	12	-45 36 15.50	-0.003	12	0.69	38.201	45	05.3	15.35	45	05.3	B9	CZ	16967	P -45 9037
56	9.4E	9.0Z	59 41.604	0.0015	12	-45 31 47.09	0.014	12	0.69	41.535	45	05.3	47.70	45	05.3	A0	CZ	16968	P -45 9038
57	9.8E	9.0Z	59 44.990	0.0006	12	-44 1 2.59	-0.033	12	0.69	44.961	45	05.4	1.10	45	05.4	A3	CZ	16971	P -44 8902
58	10.2E	9.5Z	59 45.540	0.0015	12	-48 34 29.98	-0.079	12	0.64	45.475	36	05.4	26.45	36	05.4	G0	CZ	16966	P -48 9635
59	8.8E	8.5Z	59 48.103	0.0020	12	-47 8 46.21	0.002	12	0.64	48.009	31	02.8	46.29	28	02.8	A0	CZ	16969	P -47 8665
60	8.1E	7.5Z	18 0 2.298	0.0029	12	-48 56 0.28	0.002	12	0.69	2.170	45	05.3	0.36	45	05.3	K0	CZ	16972	P -48 9638
61	10.3E	9.4Z	0 14.040	0.0028	12	-46 58 19.34	0.001	12	0.70	13.914	45	05.0	19.37	45	05.0	F8	CZ	16974	P -46 9065
62	8.2E	8.2Z	0 14.692	0.0022	12	-45 10 51.59	0.002	12	0.63	14.589	31	03.1	51.67	28	03.1	B9	CZ	16976	P -45 9045
63	9.6E	9.0Z	0 15.570	0.0027	12	-49 45 58.40	0.009	12	0.69	15.448	45	05.4	58.79	45	05.4	A0	CZ	16973	P -4910405
64		7.7T	0 21.700	0.0010	18	-47 43 22.91	-0.019	15	0.85	21.654	24	02.9	21.92	21	98.8	K5	GC	24566	C -4712024
65	9.1E	9.0Z	0 23.503	0.0015	12	-42 24 40.25	0.004	12	0.73	25.433	45	01.6	40.42	45	01.6	A0	CZ	16979	P -42 8220
66	9.7E	9.0H	0 27.190	0.0017	12	-48 15 17.87	-0.083	12	0.63	27.109	31	03.3	13.98	28	03.3	F5	CZ	16978	P -48 9644
67	8.4E	8.3H	0 45.373	0.0010	12	-46 27 12.45	-0.017	12	0.64	45.328	31	02.8	11.64	28	02.8	A0	CZ	16981D	P -46 9068
68	8.4E	8.5Z	0 51.527	0.0022	12	-45 33 40.42	-0.021	12	0.63	51.421	31	03.0	39.41	28	03.0	A2	CZ	16985	P -45 9048
69	9.9E	9.0Z	0 55.028	0.0002	12	-46 24 21.36	-0.085	12	0.70	55.021	45	05.0	17.52	45	05.0	G5	CZ	16986	P -46 9069
70	8.7E	9.0Z	0 58.373	0.0025	12	-42 13 34.79	0.006	12	0.65	58.250	28	99.9	35.07	26	99.9	F5	CZ	16989	P -42 8239
71	9.4E	9.0H	0 58.839	0.0048	12	-48 49 52.09	0.014	12	0.63	58.617	31	03.3	52.75	28	03.3	A0	CZ	16984	P -48 9646
72	10.1E	9.5Z	1 1.508	0.0009	12	-46 36 9.40	-0.007	12	0.70	1.468	45	05.0	9.07	45	05.0	A0	CZ	16988	P -46 9070
73	7.6E	8.0Z	1 4.986	-0.0009	12	-41 58 23.52	-0.031	12	0.65	5.033	28	99.9	21.96	26	99.9	A0	CZ	16991	P -41 8519
74	9.7E	9.3H	1 6.474	0.0011	12	-49 16 45.07	0.014	12	0.63	6.424	31	03.4	45.72	28	03.4	A0	CZ	16987	P -4910413
75		7.3T	1 6.647	0.0020	07	-40 38 27.34	-0.018	07	0.35	6.557	14	04.2	28.48	14	02.2	B9	GC	24584	C -4012120
76	9.1E	8.0Z	1 7.188	0.0011	12	-45 35 14.19	0.022	12	0.69	7.117	45	05.3	15.16	45	05.3	K5	CZ	16990	P -45 9052
77		8.9T	1 11.983	0.0012	18	-43 30 38.68	0.013	20	0.92	11.925	19	02.8	37.28	19	02.6	A0	GC	24591	C -4312245
78		8.6T	1 13.681	0.0027	18	-43 30 57.47	0.008	17	0.84	13.558	24	04.9	57.74	24	04.0	G5	GC	24592	C -4412305
79	10.3E	9.3Z	1 21.130	0.0023	12	-46 40 15.28	-0.013	12	0.70	21.027	45	05.0	14.66	45	05.0	F8	CZ	16995	P -46 9074
80	8.4E	9.0Z	1 21.316	0.0001	12	-40 50 49.16	-0.014	12	0.84	21.309	63	01.4	48.48	57	01.4	A3	CZ	16998	P -40 8393
81		8.7T	1 25.707	0.0010	22	-44 54 55.46	-0.015	20	0.95	25.662	24	06.7	54.78	22	05.7	K5	GC	24596	C -4412309
82	8.8E	8.5Z	1 35.539	0.0004	12	-44 45 35.48	-0.031	12	0.63	35.522	31	03.1	34.02	28	03.1	K0	CZ	16999	P -44 8921
83		9.2T	1 38.708	0.0008	12	-40 27 5.08	-0.010	11	0.64	38.667	22	00.7	4.54	22	98.0	F8	GC	24601	C -4012126
84	9.8E	9.1Z	1 39.684	0.0020	12	-46 27 4.18	-0.009	12	0.70	39.776	45	05.0	3.76	45	05.0	A2	CZ	17000	P -46 9077
85	10.3E	9.4Z	1 40.742	0.0022	12	-49 54 45.51	-0.000	12	0.69	40.643	45	05.4	45.50	45	05.4		CZ	16997	P -4910421
86	9.7E	9.2Z	1 52.294	0.0011	12	-46 24 39.06	-0.060	12	0.70	52.246	45	05.0	36.35	45	05.0	F2	CZ	17002	P -46 9081
87	10.1E	9.6Z	1 59.656	0.0019	12	-48 21 58.65	-0.011	12	0.69	59.570	45	05.3	58.14	45	05.3	A2	CZ	17003	P -48 9648
88	8.4E	9.0Z	2 2.008	0.0008	12	-46 34 44.37	-0.022	12	0.70	1.971	45	05.0	43.36	45	05.0	A0	CZ	17009	P -46 9083
89	10.0E	8.5Z	2 2.689	0.0006	12	-48 23 21.21	-0.015	12	0.69	2.661	45	05.3	20.51	45	05.3	K2	CZ	17005	P -48 9649
90	8.8E	8.7Z	2 11.329	0.0035	12	-41 28 7.26	-0.086	12	0.73	11.158	45	01.5	3.09	45	01.5	F5	CZ	17012	P -41 8534
91		7.2T	2 18.708	-0.0023	17	-47 41 38.85	-0.028	13	0.78	18.820	19	01.9	37.20	18	98.8	K0	GC	24624	C -4712047
92	10.2E	9.8Z	2 19.233	0.0004	12	-45 46 39.54	-0.000	12	0.69	19.213	45	05.3	39.53	45	05.3	A2	CZ	17011	P -45 9063
93		8.9T	2 31.535	-0.0001	15	-48 28 51.16	-0.008	13	0.73	31.539	22	01.9	50.73	21	98.4	M0	GC	24630	C -4612102
94	8.7E	8.4Z	2 34.498	-0.0057	12	-47 22 7.50	-0.172	12	0.70	34.755	45	05.0	59.75	45	05.0	F8	CZ	17017	P -47 8693
95	8.4E	7.8Z	2 35.130	0.0031	12	-49 31 6.68	0.020	12	0.63	34.984	31	03.3	7.60	28	03.3	F2	CZ	17014D	P -4910429
96	9.8E	9.8Z	2 41.072	0.0022	12	-45 14 24.81	0.009	12	0.69	40.975	45	05.3	25.19	45	05.3	A2	CZ	17019	P -45 9067
97	9.2E	8.7Z	2 52.819	0.0004	12	-41 45 19.72	-0.023	12	0.73	52.798	45	01.5	18.59	45	01.5		CZ	17023	P -41 8550
98		7.7T	2 53.398	0.0022	16	-41 45 47.06	0.015	13	0.76	53.291	22	01.7	47.82	19	97.2	A0	GC	24639	C -4112403
99	10.9E	10.1Z	2 55.997	0.0029	12	-41 41 30.94	-0.022	12	0.73	55.855	45	01.5	29.86	45	01.5		CZ	17026	P -41 8552
00	9.4E	8.5Z	2 56.636	0.0023	12	-41 41 27.05	-0.019	12	0.73	56.523	45	01.5	26.11	45	01.5		CZ	17029	P -41 8552

228700			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-40° 18H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1	9.7E	9.0Z	18 2 56.821	-0.0008	12	-49 32 38.89	-0.022	12	0.69	56.855	45	05.4	37.90	45	05.4	G5	CZ	17020	P -49 10432		
2	9.6E	9.5Z	2 58.462	0.0021	12	-44 19 15.55	-0.009	12	0.69	58.367	45	05.4	15.93	45	05.4	B9	CZ	17022	P -44 8934		
3	9.1E	8.0Z	2 58.993	0.0016	12	-43 37 58.97	-0.000	12	0.71	58.917	45	03.5	58.95	45	03.5	MA	CZ	17026	P -43 8431		
4	9.1E	9.0Z	3 1.936	0.0012	12	-42 36 44.11	-0.005	12	0.73	1.879	45	01.6	44.34	45	01.6	K0	CZ	17031	P -42 8278		
5	9.1E	9.3Z	3 4.641	-0.0002	12	-45 14 17.75	-0.011	12	0.84	4.651	63	01.4	17.22	57	01.4	A2	CZ	17033	P -45 8420		
6	9.5E	8.5Z	3 6.959	0.0012	12	-48 41 33.04	-0.044	12	0.69	6.907	45	05.3	31.08	45	05.3	K0	CZ	17021	P -48 9657		
7		7.1T	3 11.608	0.0015	16	-48 15 11.05	0.051	12	0.74	11.536	19	01.2	13.72	18	97.3	K0	GC	24648	C -4812280		
8		5.0T	3 12.808	-0.0031	08	-43 25 46.31	-0.088	07	0.46	12.814	17	93.0	40.37	15	89.5	A3	GC	24649K	C*-4312272		
9	7.7E	8.0Z	3 14.964	0.0007	12	-49 49 10.53	-0.025	12	0.69	14.932	45	05.4	9.42	45	05.4	A2	CZ	17027	P -49 10439		
10	9.0E	9.5H	3 16.659	0.0018	12	-40 5 16.99	0.005	12	0.84	16.571	63	01.4	17.24	57	01.4	F5	CZ	17037	P -40 8425		
11		7.2T	3 20.306	0.0020	16	-47 22 25.16	-0.003	13	0.76	20.205	19	01.0	24.99	18	98.1	K0	GC	24652	C -4712056		
12	8.0E	8.5Z	3 22.074	0.0007	12	-42 43 44.34	-0.001	12	0.64	22.040	26	00.1	44.29	24	00.1	A2	CZ	17036	P -42 8284		
13	9.2E	8.6H	3 24.928	0.0002	12	-40 4 53.28	-0.001	12	0.74	24.917	45	99.9	53.23	45	99.9	G5	CZ	17039	P -40 8428		
14	8.3E	8.7Z	3 28.139	-0.0003	12	-41 38 34.53	-0.015	12	0.65	28.152	26	99.7	33.80	24	99.7	A0	CZ	17040	P -41 8563		
15	9.8E	8.5Z	3 40.795	0.0013	12	-47 48 35.34	-0.022	12	0.65	40.735	36	04.2	34.32	36	04.2	G5	CZ	17038	P -47 8702		
16		7.4T	3 41.230	-0.0031	18	-46 54 14.17	-0.097	14	0.82	41.376	19	02.3	9.22	18	99.1	G5	GC	24663	C -4612117		
17	8.8E	8.5Z	3 43.846	0.0008	12	-44 9 52.33	0.028	12	0.61	43.811	28	03.7	53.62	26	03.7	F5	CZ	17043	P -44 8942		
18	9.9E	9.5Z	3 47.529	0.0003	12	-46 40 37.13	-0.016	12	0.65	47.513	36	04.2	36.38	36	04.2	F0	CZ	17042	P -46 9106		
19		7.4T	4 3.256	-0.0006	16	-43 23 56.39	-0.037	13	0.72	3.284	22	03.6	54.61	22	02.1	K0	GC	24674	C -4312285		
20		9.7T	4 7.608	-0.0087	26	-44 49 35.79	0.023	26	1.18	8.001	21	04.6	36.82	21	04.6	G0	GC	24677	C -4412344		
21	10.1E	9.5*	4 8.613	0.0053	12	-45 41 15.03	0.001	12	0.61	8.365	28	03.7	15.07	26	03.7	G0	CZ	17046	P -45 9085		
22	8.8E	9.0Z	4 9.603	-0.0001	12	-40 5 33.75	-0.021	12	0.86	9.608	63	98.5	32.68	57	98.5	A2	CZ	17045	P -40 8450		
23	10.1E	9.7H	4 13.889	-0.0028	12	-49 50 2.80	-0.002	12	0.69	14.013	45	05.4	2.71	45	05.4	A0	CZ	17044	P -49 10447		
24	9.1E	9.0H	4 19.142	0.0033	12	-49 57 8.13	-0.006	12	0.69	18.995	45	05.4	7.86	45	05.4	A5	CZ	17045	P -49 10449		
25	8.1E	8.0Z	4 21.924	0.0015	12	-47 57 12.74	-0.013	12	0.65	21.857	36	04.2	12.13	36	04.2	A0	CZ	17049	P -47 8709		
26	10.1E	9.3Z	4 32.902	-0.0007	12	-46 24 6.35	-0.026	12	0.71	32.933	45	03.9	5.14	45	03.9	G0	CZ	17052	P -46 9115		
27	9.6E	9.0Z	4 34.087	0.0005	12	-49 34 24.02	-0.029	12	0.69	34.064	45	05.4	22.72	45	05.4	F5	CZ	17051	P -49 10452		
28	9.9E	9.9Z	4 34.216	0.0002	12	-45 26 44.87	-0.007	12	0.69	34.208	45	05.3	44.56	45	05.3	A2	CZ	17054	P -45 9091		
29	10.2E	9.3Z	4 35.267	-0.0020	12	-46 27 52.29	-0.017	12	0.71	35.358	45	03.9	53.07	45	03.9	G5	CZ	17053	P -46 9116		
30	10.2E	9.6H	4 36.658	-0.0011	12	-45 8 58.04	-0.040	12	0.69	36.708	45	05.3	56.25	45	05.3	F8	CZ	17055	P -45 9093		
31	8.7E	8.7H	4 39.758	-0.0010	12	-40 4 6.33	-0.009	12	0.86	39.809	63	98.5	5.88	57	98.5	F2	CZ	17059	P -40 8460		
32	9.4E	9.5Z	4 46.574	-0.0010	12	-40 47 15.62	-0.006	12	0.68	46.627	28	97.5	15.32	26	97.5	B8	CZ	17060	P -40 8462		
33	10.4E	9.1Z	4 47.685	-0.0001	12	-46 32 1.87	-0.006	12	0.71	47.688	45	03.9	1.59	45	03.9	G5	CZ	17057	P -46 9118		
34		6.4T	4 47.691	-0.0008	12	-45 46 30.02	-0.023	08	0.55	47.730	19	99.7	28.76	17	95.9	B8	GC	24687K	C*-4512215		
35	7.9E	7.5Z	4 52.446	-0.0017	12	-49 21 12.22	-0.034	12	0.63	52.526	31	03.4	10.65	28	03.4	F5	CZ	17056	P -49 10453		
36		7.5T	5 2.670	-0.0008	16	-41 56 49.88	0.010	13	0.75	2.710	22	02.3	50.37	21	98.0	A0	GC	24696	C -4112444		
37		8.2T	5 3.408	-0.0009	22	-45 30 40.62	0.011	17	0.96	3.448	21	04.1	41.14	19	01.1	K2	GC	24697	C -4512218		
38	9.8E	8.7Z	5 5.937	0.0004	12	-41 33 1.88	-0.012	12	0.74	5.917	45	00.1	1.27	45	00.1	A2	CZ	17065	P -41 8592		
39	9.7E	9.0Z	5 14.009	-0.0025	12	-47 14 59.23	-0.089	12	0.71	14.122	45	04.0	55.12	45	04.0	G0	CZ	17062	P -47 8711		
40	10.4E	9.2Z	5 17.328	-0.0003	12	-46 30 38.61	-0.004	12	0.71	17.340	45	03.9	38.42	45	03.9	B9	CZ	17066	P -46 9124		
41	9.1E	8.9H	5 17.648	-0.0010	12	-45 7 37.20	-0.068	12	0.69	17.693	45	05.3	34.16	45	05.3	F8	CZ	17068	P -45 9108		
42		7.2T	5 18.238	0.0009	16	-42 39 56.44	-0.005	13	0.75	18.195	18	02.1	56.17	21	98.6	B8	GC	24705	C -4212921		
43	8.9E	8.7Z	5 22.933	-0.0015	12	-40 34 4.10	-0.005	12	0.86	23.010	63	98.5	3.85	57	98.5	A0	CZ	17071	P -40 8469		
44	8.4E	8.3*	5 42.246	0.0003	12	-48 41 21.49	-0.003	12	0.63	42.234	31	03.4	21.36	28	03.4	F0	CZ	17072	P -48 9672		
45	9.8E	9.9Z	5 42.660	0.0003	12	-49 20 36.98	-0.009	12	0.69	42.649	45	05.4	36.59	45	05.4	A2	CZ	17070	P -49 10458		
46	8.7E	9.0Z	5 42.887	-0.0022	12	-41 59 35.20	-0.008	12	0.83	42.993	63	01.7	34.80	57	01.7	B8	CZ	17077	P -41 8603		
47		7.3T	5 44.550	0.0026	17	-45 56 44.26	-0.130	14	0.81	44.423	22	01.5	37.51	21	98.2	F8	GC	24716	C -4512232		
48	8.8E	9.0Z	5 45.331	0.0004	12	-47 46 9.70	-0.024	12	0.64	45.314	31	02.1	8.54	28	02.1	A0	CZ	17073	P -47 8716		
49		9.8T	5 51.380	0.0023	20	-43 50 15.08	-0.011	20	0.91	51.276	24	05.6	14.57	24	05.2	G0	CZ	24723	C -4312305		
50	10.2E	9.2Z	5 57.110	0.0008	12	-49 17 31.12	-0.011	12	0.69	57.076	45	05.4	30.63	45	05.4	K0	CZ	17076	P -49 10460		
51	9.3E	8.0Z	18 5 59.024	-0.0003	12	-46 18 54.94	-0.007	12	0.64	59.037	31	02.1	55.27	28	02.1	K0	CZ	17079	P -46 9131		
52	9.8E	9.5Z	6 1.193	-0.0007	12	-43 14 50.87	-0.014	12	0.72	1.226	45	03.0	50.21	45	03.0	A0	CZ	17084	P -43 8466		
53	8.8E	8.5*	6 2.159	-0.0003	12	-45 17 40.64	-0.034	12	0.63	2.174	31	03.1	39.04	28	03.1	A2	CZ	17083	P -45 9111		
54	9.8E	9.0Z	6 2.894	0.0014	12	-47 43 5.35	-0.030	12	0.71	2.832	45	04.0	3.95	45	04.0	K2	CZ	17080	P -47 8720		
55	10.2E	8.5Z	6 5.254	-0.0001	12	-47 37 25.93	-0.012	12	0.71	5.260	45	04.0	25.37	45	04.0	MB	CZ	17082	P -47 8721		
56	8.9E	7.7Z	6 5.595	-0.0029	12	-49 7 25.45	-0.033	12	0.69	5.725	45	05.4	23.99	45	05.4	K2	CZ	17078	P -49 10461		
57	9.5E	9.0Z	6 7.776	0.0022	12	-48 52 53.30	-0.020	12	0.69	7.679	45	05.4	52.42	45	05.4	A0	CZ	17081	P -48 9677		
58		7.1T	6 8.021	0.0019	12	-44 57 18.66	-0.031	08	0.57	7.922	19	98.8	16.77	19	89.5	K0	GC	24729	C*-4412373		
59	8.5E	7.5Z	6 10.325	-0.0008	12	-42 24 46.20	-0.007	12	0.73	10.364	45	01.1	45.84	45	01.1	K2	CZ	17086	P -42 8325		
60		7.3T	6 22.968	0.0002	09	-45 54 49.42	-0.011	07	0.39	22.958	15	06.7	48.90	15	03.8	B9	GC	24738	C -4512239		
61	10.4E	9.6Z	6 23.738	-0.0004	12	-46 22 50.94	-0.019	12	0.71	23.756	45	03.9	50.06	45	03.9	A2	CZ	17087	P -46 9137		
62	9.6E	9.3Z	6 39.431	-0.0003	12	-43 16 48.81	-0.023	12	0.72	39.445	45	03.0	47.73	45	03.0	A0	CZ	17089	P -43 8470		
63	8.8E	8.3*	6 39.737	-0.0009	12	-42 24 48.73	-0.038	12	0.66	39.782	28	99.6	46.80	26	99.6	K0	CZ	17090	P -42 8326		
64	10.0E	9.8Z	6 48.524	-0.0006	12	-43 25 3.08	-0.017	12	0.72	48.547	45	03.0	2.28	45	03.0	A2	CZ	17092	P -43 8471		
65	9.7E	8.9*	6 53.964	0.0001	12	-47 9 4.54	-0.006	12	0.64	53.957	31	02.2	4.25	28	02.2	+++	CZ	17091	P*-47 8728		
66	9.7E	8.5Z	6 54.608	-0.0003	12	-46 1 47.26	-0.016	12	0.71	54.620	45	03.9	47.98	45	03.9	K2	CZ	17093	P -46 9141		
67	10.0E	8.6Z	7 1.453	-0.0003	12	-46 57 47.02	-0.003	12	0.71	1.465	45	03.9	46.87	45	03.9	K2	CZ	17094	P -46 9142		
68	9.6E	9.0Z	7 4.578	0.0005	12	-43 33 56.30	-0.007	12	0.64	4.555	28	01.0	55.95	26	01.0	A0	CZ	17098	P -43 8473		
69	9.4E	9.0Z	7 5.182	-0.0009	12	-40 12 24.97	0.006	12	0.86	5.228	63	98.5	25.29	57	98.5	A5	CZ	17101	P -40 8484		
70	9.3E	8.5Z	7 14.513	-0.0001	12	-48 16 46.80	-0.016	12	0.69	14.520	45	05.4	46.08	45	05.4	K0	CZ	17096	P -48 9685		
71	9.2E	8.0Z	7 14.756	0.0006	12	-48 18 52.83	-0.026	12	0.69	14.732	45	05.4	51.67	45	05.4	K5	CZ	17097	P -48 9686		
72	8.5E	8.8Z	7 16.451	-0.0013	12	-40 26 31.45	-0.021	12	0.86	16.518	63	98.5	30.38	57	98.5	A2	CZ	17102	P -40 8488		
73	8.2E	8.5Z	7 17.222	-0.0013	12	-40 26 32.85	-0.026	12	0.86	17.289	63	98.5	31.53	57	98.5	A2	CZ	17103	P -40 8488		
74		6.1T	7 17.744	0.0008	09	-47 31 25.84	-0.027	07	0.38	17.709	14	05.2	24.50	12	01.2	K0	GC	24761	C -4712098		
75	8.2E	9.0Z	7 20.541	-0.0015	12	-41 43 1.94	-0.001	12	0.66	20.616	28	99.2	1.87	26	99.2	A0	CZ	17104	P -41 8612		
76	10.0E	8.9*	7 23.595	-0.0004	12	-49 59 8.62	0.000	12	0.65	23.614	31	02.5	8.62	31	02.5	K2	CZ	17099	P -49 10464		
77		4.6H	7 31.023	-0.0014	02	-45 57 54.78	-0.031	02	0.10	31.073	06	14.8	53.66	05	14.3	K0	F4	1473	C -4512251		
78		5.9T	7 32.834	0.0027	13	-41 22 11.45	-0.034	10	0.53	32.721	14	07.7	9.92	12	05.2	A5	GC	24769	C -4112491		
79	9.4E	9.0Z	7 32.963	0.0032	12	-44 18 40.23	0.027	12	0.69	32.822	45	05.4	41.43	45	05.4	G0	CZ	17106	P -44 8984		
80	10.9E	9.8*	7 45.625	-0.0002	12	-46 38 33.87	-0.009	12	0.64	45.632	31	02.1	33.44	28	02.1	A0	CZ	17109	P -46 9148		
81	7.9E	8.5Z	7 48.298	0.0007	12	-44 35 52.38	-0.016	12	0.63	48.266	31	03.1	51.64	28	03.1	B8	CZ	17111	P -44 8989		
82	7.7E	7.8H	7 50.042	-0.0012	12	-40 19 7.48	-0.011	12	0.69	50.108	31	97.5	6.93	28	97.5	B8	CZ	17115	P -40 8489		
83	9.5E	9.5Z	7 55.395	0.0003	12	-43 56 1.12	-0.020	12	0.72	55.383	45	03.0	0.17	45	03.0	A0	CZ	17114	P -43 8478		
84	10.0E	9.0Z	8 1.863	0.0008	12	-46 50 56.42	-0.012	12	0.65	1.824	36	04.4	55.87	36	04.4	K2	CZ	17113	P -46 9153		
85	8.5E	9.0Z	8 5.264	-0.0001	12	-46 3 37.71	-0.006	12	0.65	5.267	36	04.4	37.43	36	04.4	B9	CZ	17116	P -46 9156		
86		8.1T	8 8.532	-0.0004	18	-42 39 13.45	-0.033	14	0.82	8.551	24	03.6	11.77	21	99.3	A2	GC	24781	C -4212975		
87	9.3E	9.0Z	8 10.159	-0.0008	12	-40 25 30.65	0.000	12	0.86	10.200	63	98.5	30.67	57	98.5	F2	CZ	17123	P -40 8491		
88	9.7E	9.6Z	8 10.522	0.0001	12	-44 18 44.11	-0.014	12	0.64	10.519	36	05.4	43.48	36	05.4	A0	CZ	17117	P -44 8995		
89		7.6T	8 10.756	-0.0009	14	-43 5 38.77	-0.029	16	0.77	10.801	19	00.5	37.33	18	00.9	A0	GC	24785	C -4312335		
90	9.1E	9.0Z	8 12.159	0.0041	12	-42 6 56.79	-0.111	12	0.73	11.958	45	01.1	51.35	45	01.1	F5	CZ	17121	P -42 8332		
91	8.4E	8.0Z	8 12.309	-0.0084	12	-40 13 19.62	-0.075	12	0.86	12.741	63	98.5	15.77	57	98.5	K0	CZ	17126	P -40 8492		
92	9.3E	9.0Z	8 13.804	-0.0010	12	-42 43 43.41	-0.028	12	0.64	13.853	26	00.3	42.02	24	00.3		CZ	17122	P -42 8333		
93	9.4E	8.8Z	8 21.077	-0.0010	12	-47 23 32.01	-0.002	12	0.65	21.120	36	04.5	31.91	36	04.5	K0	CZ	17120	P -47 8738		
94	9.5E	9.0Z	8 31.499	0.0005	12	-48 36 25.31	-0.013	12	0.61	31.477	28	03.9	24.72	26	03.9	A0	CZ	17125	P -48 9691		
95	9.5E	9.0Z	8 32.019	-0.0004	12	-40 21 40.45	0.010	12	0.86	32.040	63	98.5	40.97	57	98.5	B8	CZ	17128	P -40 8497		
96	9.2E	9.0*	8 40.214	-0.0019	12	-44 14 59.93	-0.013	12	0.61	40.304	28	03.7	59.32	26	03.7	B8	CZ	17127	P -44 9001		
97		9.6T	8 41.941	-0.0008	20	-43 1 58.10	0.011	22	0.97	41.977	24	05.5	58.58	24	05.9	F8	GC	24801	C -4312344		
98	9.8E	9.8Z	8 42.557	-0.0006	12	-43 39 4.86	-0.014	12	0.66	42.587	36	03.8	4.20	36	03.8	A0	CZ	17129	P -43 8485		
99		8.3T	8 43.810	0.0127	20	-43 27 7.26	-0.433	20	0.91	43.246	24	05.6	-47.85	24	05.2	M0	GC	24802	C -4312343		
00	10.0E	9.5Z	8 49.492	-0.0020	12	-46 35 34.43	-0.054	12	0.65	49.582	36	04.4	31.96	36	04.4	G0	CZ	17130	P -46 9167		

228800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma'\mu$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 18H DM NUMBER
1	9.5E	9.4Z	18 8 51.582	0.0009	12	-44 34 18.32	0.002	12	0.64	51.540	36	05.4	18.41	36	05.4	A0	CZ	17134	P -44 9003
2		8.1T	8 56.106	-0.0006	12	-41 43 44.04	-0.003	10	0.62	56.137	22	99.4	43.85	21	96.2	B9	GC	24806	C -4112522
3	10.1E	9.3Z	9 1.135	-0.0073	12	-45 42 59.06	-0.104	12	0.65	1.459	36	05.3	54.40	36	05.3	G5	CZ	17136	P -45 9144
4	10.0E	9.5Z	9 1.770	-0.0008	12	-45 15 37.13	-0.040	12	0.65	1.807	36	05.3	35.34	36	05.3	F5	CZ	17137	P -45 9145
5		8.4T	9 2.319	-0.0046	26	-48 49 14.77	-0.017	20	1.05	2.522	24	05.9	13.99	24	04.2	K5	GC	24809	C -4812344
6	10.4E	8.5Z	9 9.835	-0.0000	12	-47 46 54.83	-0.004	12	0.65	9.837	36	04.5	54.63	36	04.5	K5	CZ	17139	P -47 8749
7	8.6E	8.5Z	9 11.359	-0.0004	12	-48 42 9.06	-0.028	12	0.64	11.378	36	05.5	7.82	36	05.5	A0	CZ	17138	P -48 9696
8	8.9E	9.0Z	9 19.597	0.0013	12	-45 40 55.15	-0.053	12	0.61	19.535	28	03.6	52.69	26	03.6	F0	CZ	17143	P -45 9147
9	9.0E	9.5Z	9 22.631	-0.0001	12	-42 24 29.63	-0.008	12	0.73	22.636	45	01.1	29.23	45	01.1	A0	CZ	17147	P -42 8339
10	10.0E	9.5Z	9 23.152	-0.0006	12	-45 28 11.25	-0.010	12	0.69	23.180	45	05.3	10.80	45	05.3	A0	CZ	17144	P -45 9149
11	9.8E	9.6H	9 26.932	0.0007	12	-49 49 20.45	-0.003	12	0.63	26.899	31	03.4	20.31	28	03.4	A0	CZ	17142	P -4910478
12	8.1E	8.5Z	9 27.305	-0.0010	12	-42 18 5.52	-0.066	12	0.65	27.355	26	99.7	2.18	24	99.7	F2	CZ	17149	P -42 8340
13	10.0E	9.1Z	9 27.424	0.0001	12	-46 42 37.61	-0.037	12	0.65	27.418	36	04.4	35.92	36	04.4	K2	CZ	17145	P -46 9172
14	9.4E	8.9Z	9 35.273	0.0026	12	-48 58 16.89	-0.002	12	0.64	35.158	36	05.5	16.81	36	05.5	F5	CZ	17146	P -48 9697
15		5.5T	9 45.157	-0.0012	10	-41 20 59.52	-0.003	08	0.38	45.203	14	12.3	59.39	14	08.6	B3	GC	24824	C*-4112534
16	10.5E	9.7Z	9 44.979	0.0000	12	-46 43 23.90	-0.025	12	0.71	44.977	45	03.9	22.74	45	03.9	A0	CZ	17150	P -46 9173
17	9.5E	9.0Z	9 49.498	-0.0001	12	-41 24 22.43	-0.005	12	0.74	49.503	45	00.1	22.19	45	00.1	A3	CZ	17152	P -41 8621
18	10.0E	9.0Z	9 59.427	0.0015	12	-44 30 51.61	-0.019	12	0.69	59.358	45	05.4	50.77	45	05.4	K0	CZ	17153	P -44 9010
19		6.9T	10 3.912	0.0020	17	-46 19 34.43	-0.043	13	0.78	3.815	22	02.6	32.20	21	98.5	A0	GC	24833	C -4612209
20	9.7E	9.0Z	10 8.192	0.0006	12	-47 7 23.15	-0.036	12	0.71	8.162	45	04.1	21.49	45	04.1	F2	CZ	17155	P -47 8757
21		7.0T	10 8.628	0.0057	18	-41 8 26.79	-0.062	14	0.83	8.355	19	01.7	23.62	17	98.7	K0	GC	24835	C -4112544
22	9.7E	9.1*	10 10.081	0.0004	12	-45 0 25.20	-0.020	12	0.63	10.063	31	03.0	24.26	28	03.0	A2	CZ	17157	P -45 9160
23		6.9T	10 12.285	-0.0005	13	-43 13 7.51	-0.011	13	0.69	12.310	15	99.8	6.94	18	98.6	G5	GC	24838	C -4312364
24	10.0E	9.7Z	10 14.333	-0.0001	12	-45 43 20.18	-0.004	12	0.69	14.336	45	05.3	20.00	45	05.3	A0	CZ	17158	P -45 9161
25		9.6T	10 16.231	0.0031	20	-44 14 7.69	0.029	20	0.90	16.091	24	05.5	8.96	22	05.7	A2	GC	24839	C -4412427
26	8.3E	8.3Z	10 18.527	0.0008	12	-48 33 18.12	-0.025	12	0.69	18.493	45	05.5	17.01	45	05.5	F0	CZ	17156	P -48 9702
27		7.5T	10 19.917	0.0024	16	-44 39 56.91	-0.018	13	0.76	19.798	19	01.4	55.97	18	98.4	K0	GC	24841	C*-4412428
28	8.7E	8.7Z	10 22.811	0.0006	12	-43 45 18.67	-0.011	12	0.64	22.784	28	01.1	18.13	26	01.1	B8	CZ	17164	P -43 8500
29	9.7E	9.2Z	10 27.639	0.0018	12	-47 3 51.48	-0.002	12	0.64	27.551	31	02.2	51.38	28	02.2	F2	CZ	17163	P -47 8760
30	9.9E	9.5Z	10 37.036	0.0032	12	-46 38 43.25	-0.000	12	0.71	36.886	45	03.9	43.25	45	03.9	G5	CZ	17166	P -46 9182
31	8.2E	8.2*	10 38.789	-0.0008	12	-47 58 11.42	0.016	12	0.64	38.829	31	02.2	12.18	28	02.2	K0P	CZ	17165	P -47 8764
32		7.8T	10 43.174	0.0012	13	-43 10 7.82	-0.061	15	0.74	43.116	22	00.5	4.76	21	00.0	F2	GC	24853	C -4312374
33	9.5E	9.2Z	10 47.167	0.0003	12	-44 34 17.47	-0.031	12	0.69	47.152	45	05.4	16.09	45	05.4	A2	CZ	17176	P -44 9021
34		7.9T	10 47.273	0.0013	10	-41 55 27.36	-0.009	09	0.43	47.220	15	08.1	26.95	15	05.9	B9	GC	24857	C -4112558
35	9.2E	8.0Z	10 52.030	-0.0068	12	-47 23 14.53	-0.140	12	0.71	52.340	45	04.1	8.09	45	04.1	K0	CZ	17174	P -47 8766
36		7.5T	10 53.173	0.0046	26	-48 49 41.98	0.002	16	1.00	52.970	24	05.7	42.06	22	01.0	K2	GC	24860	C -4812366
37	9.9E	9.2Z	10 53.919	0.0004	12	-45 23 17.69	-0.020	12	0.69	53.902	45	05.3	16.79	45	05.3	K0	CZ	17178	P -45 9170
38		7.0T	11 2.335	-0.0002	18	-45 36 38.01	-0.003	14	0.84	2.343	17	01.2	37.84	18	98.2	K5	GC	24864	C -4512316
39	9.7E	9.7Z	11 8.044	0.0006	12	-48 52 0.27	-0.010	12	0.69	8.019	45	05.5	59.84	45	05.5	A0	CZ	17180	P -48 9710
40	9.7E	9.4Z	11 9.118	0.0004	12	-48 32 5.97	-0.008	12	0.69	9.101	45	05.5	5.62	45	05.5	A0	CZ	17181	P -48 9711
41	9.5E	9.6Z	11 12.414	0.0004	12	-46 10 56.98	-0.010	12	0.71	12.395	45	03.9	56.52	45	03.9	A0	CZ	17183	P -46 9190
42	8.9E	9.0Z	11 20.552	-0.0005	12	-42 39 46.71	0.004	12	0.66	20.576	28	99.6	46.92	26	99.6	A0	CZ	17187	P -42 8344
43	9.4E	9.5Z	11 24.521	0.0002	12	-42 47 7.87	-0.007	12	0.73	24.511	45	01.1	7.54	45	01.1	A3	CZ	17191	P -42 8345
44	10.2E	9.1Z	11 31.289	0.0006	12	-46 50 39.82	-0.024	12	0.71	31.260	45	03.9	38.71	45	03.9	F8	CZ	17188	P -46 9193
45		6.8T	11 36.576	0.0006	17	-48 52 6.47	0.013	13	0.77	36.548	19	02.3	7.13	18	99.1	K0	GC	24878K	C -4812373
46	11.5E	10.5H	11 38.191	0.0011	12	-48 52 12.29	0.028	12	0.69	38.143	45	05.5	13.54	45	05.5	K0	CZ	17190	P -48 9714
47	9.6E	8.5Z	11 43.437	-0.0016	12	-40 53 34.82	-0.006	12	0.78	43.503	63	08.5	34.62	57	08.5	K0	CZ	17194	P -40 8505
48	9.6E	9.5*	11 44.277	-0.0005	12	-40 16 31.43	0.010	12	0.68	44.302	28	97.6	31.96	26	97.6	B9	CZ	17195	P -40 8507
49	8.1E	8.5Z	11 53.672	0.0007	12	-47 33 26.20	0.002	12	0.71	53.641	45	04.1	26.28	45	04.1	A2	CZ	17193	P -47 8778
50	9.7E	9.0*	12 10.530	0.0013	12	-49 55 36.35	-0.033	12	0.63	10.469	31	03.4	34.81	28	03.4	K0	CZ	17196	P -4910491
51		5.5T	18 12 13.668	0.0069	07	-44 13 25.57	0.013	06	0.28	13.402	10	11.7	26.10	09	08.7	K0	GC	24892	C -4412456
52		7.2T	12 13.926	-0.0026	12	-43 11 7.67	-0.006	10	0.61	14.065	18	00.6	7.98	17	97.6	AQP	GC	24894	C -4312392
53	10.2E	9.9Z	12 13.920	0.0012	12	-46 33 45.45	-0.010	12	0.71	13.863	45	03.9	44.98	45	03.9	A0	CZ	17197	P -46 9199
54	6.1E	5.9H	12 14.380	0.0059	12	-44 13 26.12	0.001	12	0.63	14.102	31	03.1	26.15	28	03.1	K0	CZ	17200	P -44 9034
55	9.5E	9.3*	12 19.668	0.0004	12	-48 23 53.54	-0.010	12	0.63	19.652	31	03.5	53.07	28	03.5	A2	CZ	17198	P -48 9716
56	9.6E	8.5Z	12 26.400	0.0008	12	-49 42 2.77	-0.046	12	0.69	26.364	45	05.4	0.72	45	05.4	K2	CZ	17199	P -4910495
57		7.2T	12 28.417	0.0012	12	-46 2 32.59	0.005	12	0.65	28.354	22	99.3	32.84	19	96.2	A2	GC	24899K	C*-4612240
58	10.2E	9.0Z	12 30.328	0.0007	12	-46 7 37.23	-0.017	12	0.71	30.294	45	03.9	36.44	45	03.9	G5	CZ	17204	P -46 9203
59	9.6E	8.5Z	12 30.624	0.0003	12	-43 17 7.57	-0.009	12	0.72	30.610	45	03.0	7.15	45	03.0	K0	CZ	17208	P -43 8523
60	9.7E	10.0Z	12 31.699	0.0060	12	-43 56 55.22	-0.014	12	0.72	31.466	45	03.0	54.56	45	03.0	G0	CZ	17207	P -43 8522
61		8.3T	12 36.060	0.0007	18	-41 38 23.92	-0.016	20	0.92	36.018	19	02.6	23.14	18	02.2	B8	GC	24901	C -4112597
62	8.3E	8.0Z	12 40.100	-0.0015	12	-49 13 48.33	-0.066	12	0.63	40.172	31	03.5	45.27	28	03.5	A5	CZ	17206	P -4910499
63	7.7E	8.5Z	12 44.212	0.0003	12	-46 34 20.50	-0.015	12	0.64	44.200	31	02.1	19.78	28	02.1	B9	CZ	17209	P -46 9207
64	7.0E	8.0Z	12 52.341	-0.0015	12	-40 29 24.29	-0.021	12	0.68	52.422	28	97.5	23.21	26	97.5	B8	CZ	17212D	P*-40 8515
65	9.7E	8.5Z	13 8.762	0.0000	12	-46 5 31.00	-0.041	12	0.65	8.761	36	04.4	29.13	36	04.4	K5	CZ	17214	P -46 9212
66	8.0E	8.5Z	13 12.187	0.0009	12	-40 35 24.44	-0.013	12	0.86	12.140	63	98.5	23.78	57	98.5	A0	CZ	17216	P -40 8516
67	9.0E	8.9*	13 13.599	-0.0014	12	-47 24 23.17	-0.016	12	0.62	13.662	28	03.0	22.41	26	03.0	B9	CZ	17215	P -47 8788
68	8.7E	8.0Z	13 26.450	0.0012	12	-43 36 47.96	-0.011	12	0.67	26.395	36	02.6	47.44	36	02.6	F5	CZ	17217	P -43 8532
69		10.1T	13 36.509	-0.0009	12	-42 29 23.17	0.028	12	0.65	36.559	22	99.8	24.64	24	96.6	K0	GC	24917	C -4213071
70		9.0T	13 39.437	-0.0035	12	-42 14 4.16	0.016	11	0.63	39.614	22	99.8	4.97	22	98.2	A0	GC	24919	C -4213073
71	9.7E	9.4Z	13 41.607	0.0014	12	-48 37 1.80	0.005	12	0.69	41.546	45	05.5	2.03	45	05.5	A0	CZ	17219	P -48 9723
72		8.6T	13 43.046	-0.0021	17	-44 34 54.65	-0.034	18	0.86	43.145	19	02.1	53.01	19	02.1	A2	GC	24922	C -4412477
73		9.5T	13 43.938	-0.0016	18	-44 34 9.66	-0.048	20	0.89	44.008	24	04.9	7.50	24	05.1	A0	GC	24925	C -4412478
74	10.0E	9.5Z	13 44.512	0.0016	12	-47 38 55.76	-0.016	12	0.65	44.440	36	04.5	55.02	36	04.5	F8	CZ	17220	P -47 8794
75		8.4T	13 56.436	0.0030	18	-43 30 37.45	-0.029	18	0.89	56.292	19	02.4	36.03	18	01.8	A0	GC	24931	C -4312419
76	9.5E	8.5Z	13 56.498	-0.0024	12	-47 8 4.07	0.002	12	0.65	56.605	36	04.5	4.15	36	04.5	K2	CZ	17226	P -47 8800
77		8.5T	13 57.040	0.0004	20	-44 34 19.90	-0.013	26	1.03	57.021	24	05.1	19.33	24	06.5	F8	GC	24932	C -4412481
78	8.9E	8.5Z	13 58.157	0.0024	12	-47 52 53.88	-0.013	12	0.62	58.046	28	03.0	53.26	26	03.0	A5	CZ	17225	P -47 8799
79	8.6E	8.8Z	14 1.351	0.0017	12	-43 4 43.88	-0.015	12	0.63	1.267	26	01.1	43.14	24	01.1	A2	CZ	17231	P -43 8538
80	9.6E	9.3Z	14 3.564	-0.0000	12	-48 11 32.07	-0.002	12	0.69	3.564	45	05.5	31.97	45	05.5	B9	CZ	17227	P -48 9726
81	9.2E	8.0Z	14 3.777	0.0014	12	-46 53 39.56	-0.003	12	0.65	3.712	36	04.4	39.41	36	04.4	K5	CZ	17229	P -46 9221
82	9.6E	8.8Z	14 6.690	-0.0013	12	-40 49 35.58	-0.009	12	0.68	6.759	28	97.6	35.12	26	97.6	K0	CZ	17236	P -40 8522
83	9.5E	9.0*	14 13.929	-0.0008	12	-45 32 58.46	-0.024	12	0.61	13.964	28	03.6	57.34	26	03.6	G0	CZ	17235	P -45 9212
84	9.6E	9.9Z	14 14.882	0.0004	12	-48 10 41.87	-0.007	12	0.69	14.867	45	05.5	41.55	45	05.5	A0	CZ	17233	P -48 9728
85	9.2E	9.5Z	14 17.198	-0.0006	12	-49 28 22.83	-0.016	12	0.69	17.227	45	05.4	22.12	45	05.4	B9	CZ	17232	P -4910509
86	9.8E	9.3Z	14 19.874	0.0006	12	-48 15 23.07	-0.024	12	0.69	19.850	45	05.5	21.99	45	05.5	G0	CZ	17234	P -48 9729
87	9.9E	9.5Z	14 23.193	-0.0015	12	-46 5 53.31	-0.000	12	0.65	23.259	36	04.4	53.31	36	04.4	G5	CZ	17238	P -46 9227
88	10.1E	9.8Z	14 34.322	0.0002	12	-47 29 37.79	-0.002	12	0.65	34.311	36	04.5	37.88	36	04.5	A2	CZ	17239	P -47 8805
89	9.5E	9.4Z	14 39.762	0.0004	12	-45 29 45.95	-0.020	12	0.69	39.742	45	05.3	45.05	45	05.3	A5	CZ	17240	P -45 9216
90	9.1E	9.0H	14 44.746	-0.0011	12	-44 58 9.83	-0.018	12	0.69	44.793	45	05.4	9.02	45	05.4	A0	CZ	17241	P -44 9057
91	9.0E	9.0Z	14 46.772	-0.0005	12	-42 55 20.97	-0.023	12	0.65	46.796	28	00.0	19.82	26	00.0	A5	CZ	17244	P -42 8357
92	8.9E	8.0Z	14 53.283	-0.0002	12	-47 33 5.42	-0.025	12	0.69	53.293	45	05.5	4.29	45	05.5	G5	CZ	17242	P -47 8807
93	10.1E	9.0Z	14 54.658	0.0014	12	-47 35 2.42	0.002	12	0.69	54.597	45	05.5	2.50	45	05.5		CZ	17243	P -47 8808
94	9.9E	9.0Z	15 2.485	-0.0015	12	-44 45 7.00	-0.025	12	0.63	2.553	31	03.1	5.82	28	03.1	F5	CZ	17246	P -44 9060
95		6.5T	15 5.646	-0.0006	10	-42 18 31.80	-0.003	09	0.56	5.680	15	96.1	31.60	15	92.1	B0	GC	24963	C*-4213101
96	9.4E	9.0Z	15 7.742	-0.0048	12	-46 1 38.37	-0.081	12	0.69	7.954	45	05.4	34.75	45	05.4	G5	CZ	17247	P -46 9234
97	9.5E	9.0Z	15 10.327	0.0051	12	-48 0 36.21	-0.002	12	0.69	10.102	45	05.5	36.11	45	05.5	G5	CZ	17245	P -48 9733
98	10.4E	9.7Z	15 11.385	0.0019	12	-43 22 52.61	-0.001	12	0.71	11.296	45	03.6	52.56	45	03.6	A0	CZ	17251	P -43 8543
99	9.4E	9.5Z	15 12.004	0.0005	12	-46 31 0.95	-0.010	12	0.69	11.979	45	05.4	0.51	45	05.4	B9	CZ	17248	P -46 9235
00	9.3E	8.5Z	15 13.781	-0.0012	12	-45 29 13.89	-0.007	12	0.69	13.833	45	05.3	13.57	45	05.3	G5	CZ	17250	P -45 9223

228900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 18H DM NUMBER
1	8.4E	8.0Z	18 15 22.462	-0.0006	12	-45 27 43.21	-0.031	12	0.68	22.494	28	97.5	41.59	26	97.5	G5	CZ	17255	F -45 8528
2	9.0E	9.2Z	15 31.554	-0.0009	12	-45 22 21.68	-0.009	12	0.69	31.595	45	05.3	21.27	45	05.3	A2	CZ	17253	F -45 9227
3	10.2E	9.5Z	15 39.839	0.0026	12	-49 15 29.01	0.006	12	0.69	39.725	45	05.4	29.29	45	05.4	F0	CZ	17252	F -4910519
4	7.5E	7.5Z	15 42.700	-0.0017	12	-49 22 5.35	-0.049	12	0.61	42.780	28	03.7	3.09	26	03.7	F2	CZ	17254	F -4910520
5	9.3E	8.5Z	15 58.317	0.0005	12	-46 29 42.11	0.003	12	0.69	58.293	45	05.4	42.24	45	05.4	G5	CZ	17257	F -46 9241
6		7.0T	15 59.663	-0.0052	17	-45 43 6.82	-0.110	13	0.78	59.912	19	01.8	1.16	18	98.7	F8	GC	24981	C -4512390
7	7.7E	8.0Z	16 5.319	-0.0012	12	-49 26 53.24	-0.038	12	0.70	5.374	45	04.9	51.55	45	04.9	A0	CZ	17256	F -4910523
8	9.0E	8.4Z	16 8.657	0.0017	12	-46 27 45.76	0.005	12	0.69	8.580	45	05.4	45.97	45	05.4	F2	CZ	17260	F -46 9245
9	7.8E	8.5Z	16 10.451	-0.0005	12	-46 15 12.75	-0.022	12	0.63	10.476	31	03.1	11.73	28	03.1	B9	CZ	17261	F -46 9246
10		6.8T	16 11.876	-0.0006	11	-48 47 12.02	-0.014	09	0.44	11.900	15	09.6	11.42	15	96.9	A2	GC	24986	C -4812421
11	8.5E	8.5Z	16 14.226	0.0010	12	-45 15 41.39	-0.011	12	0.63	14.180	31	03.1	40.87	28	03.1	F2	CZ	17263	F -45 9236
12	9.9E	9.4Z	16 21.267	0.0015	12	-43 14 6.73	-0.021	12	0.71	21.196	45	03.6	5.76	45	03.6	F0	CZ	17267	F -43 8559
13	8.8E	8.7Z	16 21.758	0.0031	12	-49 24 2.69	-0.003	12	0.70	21.620	45	04.9	2.56	45	04.9	A0	CZ	17262	F -4910524
14	9.7E	9.3Z	16 23.028	-0.0029	12	-43 55 40.74	-0.016	12	0.71	23.165	45	03.6	39.99	45	03.6	G0	CZ	17268	F -43 8558
15		9.4T	16 24.916	0.0039	18	-44 40 43.78	0.022	17	0.84	24.738	24	04.9	44.78	24	03.8	K5	GC	24989	C -4412508
16	9.8E	9.0Z	16 24.944	-0.0003	12	-40 1 16.77	-0.046	12	0.86	24.958	63	98.5	14.42	57	98.5	A0	CZ	17273	F -40 8532
17		7.2T	16 28.849	0.0040	18	-45 56 31.13	-0.127	14	0.83	28.655	18	02.0	24.54	21	98.2	G5	GC	24990	C -4512402
18	7.8E	7.6Z	16 30.439	-0.0002	12	-49 8 58.03	-0.039	12	0.70	30.448	45	04.9	56.29	45	04.9	A2	CZ	17264	F -4910527
19	9.6E	8.0Z	16 31.490	0.0010	12	-48 32 31.04	-0.002	12	0.70	31.446	45	05.0	30.96	45	05.0	K2	CZ	17265	F -48 9745
20	9.6E	9.0Z	16 32.446	0.0002	12	-40 47 16.73	-0.051	12	0.86	32.436	63	98.5	14.12	57	98.5	G0	CZ	17275	F -40 8533
21		8.0T	16 33.345	0.0017	17	-47 23 44.68	-0.004	13	0.78	33.260	19	01.8	44.46	18	98.7	B8	GC	24993	C -4712214
22		8.9T	16 34.665	0.0004	20	-43 27 59.29	0.033	20	0.91	34.647	24	05.5	0.77	24	05.1	G5	GC	24994	C -4312452
23	9.0E	9.2H	16 37.202	0.0002	12	-49 56 0.14	-0.030	12	0.70	37.193	45	04.9	-58.79	45	04.9	F0	CZ	17266	F -4910530
24	10.0E	9.5Z	16 37.393	-0.0004	12	-46 22 20.97	-0.011	12	0.69	37.410	45	05.4	20.47	45	05.4	A2	CZ	17272	F -46 9252
25	9.5E	9.1Z	16 37.732	0.0017	12	-48 54 20.14	0.000	12	0.70	37.657	45	05.0	20.14	45	05.0	K0	CZ	17271	F -48 9746
26	9.7E	9.0Z	16 45.096	-0.0010	12	-43 54 45.72	-0.009	12	0.71	45.145	45	03.6	45.29	45	03.6	G5	CZ	17276	F -43 8563
27	8.3E	8.6*	16 45.739	0.0012	12	-47 59 59.01	0.010	12	0.63	45.685	31	03.1	59.47	28	03.1	B8	CZ	17274	F -48 9750
28		7.3T	16 50.314	0.0038	18	-44 5 59.82	-0.047	20	0.91	50.135	21	03.2	57.62	21	03.5	M0	GC	24998	C -4412514
29	9.8E	9.5Z	16 52.577	-0.0005	12	-46 10 20.35	-0.000	12	0.69	52.598	45	05.4	20.35	45	05.4	F0	CZ	17277	F -46 9255
30	9.5E	9.0Z	16 52.812	0.0007	12	-40 42 58.31	-0.025	12	0.86	52.776	63	98.5	57.03	57	98.5	A5	CZ	17280	F -40 8534
31	8.2E	8.0Z	16 56.732	-0.0032	12	-40 17 43.25	-0.061	12	0.86	56.896	63	98.5	40.12	57	98.5	G5	CZ	17282	F -40 8535
32	9.4E	9.4Z	16 57.028	0.0011	12	-42 20 13.32	0.007	12	0.73	56.974	45	01.7	13.65	45	01.7	A0	CZ	17281	F -42 8368
33	9.4E	9.3Z	17 7.186	0.0001	12	-40 1 20.92	-0.025	12	0.86	7.181	63	98.5	19.65	57	98.5	B9	CZ	17286	F -40 8536
34		9.0T	17 8.414	0.0033	20	-43 30 26.12	0.006	20	0.93	8.263	24	04.6	26.38	24	04.2	F0	GC	25004	C -4312460
35	9.5E	9.1*	17 10.769	-0.0002	12	-44 54 39.63	-0.024	12	0.62	10.776	28	03.1	38.51	26	03.1	A2	CZ	17284	F -44 9080
36	9.3E	9.0Z	17 12.724	0.0011	12	-41 22 10.08	-0.011	12	0.67	12.668	28	98.9	9.53	26	98.9	G5	CZ	17288	F -41 8642
37	9.4E	9.1*	17 20.330	0.0000	12	-43 14 23.60	-0.017	12	0.64	20.329	28	01.6	22.77	26	01.6	A0	CZ	17289	F -43 8574
38	9.6E	9.0Z	17 21.208	-0.0031	12	-49 10 0.54	-0.010	12	0.70	21.349	45	04.9	0.09	45	04.9	G0	CZ	17283	F -4910535
39		6.6T	17 23.950	0.0010	17	-43 47 55.94	-0.006	17	0.85	23.899	19	01.0	55.63	18	00.5	A3P	GC	25014	C -4312466
40		9.0T	17 26.716	-0.0005	18	-42 42 18.77	-0.037	18	0.89	26.740	19	02.3	16.98	18	01.7	A2	GC	25015	C -4213147
41		9.7T	17 29.902	-0.0014	12	-43 0 7.49	-0.019	12	0.65	29.971	22	00.7	6.52	22	99.0	K7	GC	25017	C -4312468
42	9.5E	9.3Z	17 33.910	-0.0009	12	-41 49 53.59	0.005	12	0.66	33.955	28	99.2	53.83	26	99.2	B9	CZ	17293	F -41 8644
43	9.7E	9.6Z	17 38.727	-0.0008	12	-45 8 14.03	-0.023	12	0.69	38.764	45	05.3	13.00	45	05.3	A2	CZ	17292	F -45 9253
44		8.8T	17 43.343	0.0028	15	-42 35 48.46	-0.054	13	0.73	43.207	19	01.2	45.76	18	00.1	B9	GC	25022	C -4213150
45	8.3E	9.0Z	17 46.105	-0.0002	12	-40 25 48.69	-0.007	12	0.86	46.115	63	98.5	48.35	57	98.5	B9	CZ	17296	F -40 8538
46	9.5E	9.0Z	17 48.575	0.0000	12	-40 52 13.69	-0.014	12	0.86	48.575	63	98.5	12.99	57	98.5	B9	CZ	17297	F -40 8539
47	10.1E	9.4Z	18 7.600	-0.0009	12	-44 14 43.74	-0.005	12	0.64	7.642	36	05.4	43.51	36	05.4	A0	CZ	17299	F -44 9091
48	9.4E	8.5Z	18 8.661	0.0008	12	-47 44 53.08	0.001	12	0.61	8.626	28	03.7	53.11	26	03.7	K0	CZ	17298	F -47 8836
49	9.3E	9.5Z	18 20.707	0.0005	12	-49 11 32.60	-0.028	12	0.63	20.685	31	03.1	31.29	28	03.1	A2	CZ	17300	F -4910541
50	9.5E	9.0Z	18 24.290	-0.0025	12	-46 3 34.77	-0.028	12	0.61	24.403	28	03.7	33.47	26	03.7	G5	CZ	17301	F -46 9266
51	8.9E	8.8Z	18 18 31.966	0.0005	12	-47 12 4.67	0.026	12	0.64	31.941	36	05.4	5.82	36	05.4	K0	CZ	17302	F -47 8840
52		9.2T	18 35.944	0.0059	20	-42 37 39.17	-0.026	22	0.98	35.676	24	04.6	38.00	24	04.9	A3	GC	25044	C -4213163
53	9.8E	9.0Z	18 40.941	0.0021	12	-47 30 12.12	-0.006	12	0.64	40.848	36	05.4	11.84	36	05.4	K2	CZ	17303	F -47 8844
54	10.1E	9.3*	18 46.059	-0.0053	12	-46 47 18.71	0.029	12	0.61	46.303	28	03.6	20.05	26	03.6	G0	CZ	17306	F -46 9272
55		8.0T	18 46.177	0.0011	12	-42 57 33.73	0.003	11	0.62	46.122	22	99.6	33.88	22	97.5	K2	GC	25048	C -4213165
56	10.1E	9.4Z	18 58.539	0.0014	12	-48 20 35.11	0.003	12	0.65	58.478	36	05.1	35.24	36	05.1	F0	CZ	17307	F -48 9759
57	9.8E	9.5Z	19 4.784	0.0014	12	-43 10 32.73	0.005	12	0.65	4.719	36	04.2	32.96	36	04.2	A0	CZ	17309	F -43 8587
58	8.6E	9.5Z	19 8.279	-0.0004	12	-41 11 48.54	-0.030	12	0.67	8.299	28	98.9	47.01	26	98.9	B8	CZ	17312	F -41 8651
59	10.3E	9.3*	19 9.903	0.0005	12	-43 28 53.92	0.011	12	0.64	9.881	28	01.6	54.44	26	01.6	G5	CZ	17310	F -43 8589
60		7.7T	19 12.413	0.0015	17	-42 37 36.41	0.001	17	0.83	12.343	24	03.3	36.45	24	02.9	K2	GC	25059	C -4213173
61	9.8E	9.5Z	19 16.034	-0.0003	12	-45 12 59.36	0.013	12	0.65	16.049	36	05.3	59.93	36	05.3		CZ	17311	F -45 9263
62	9.1E	8.7Z	19 28.033	0.0001	12	-43 9 40.11	-0.011	12	0.64	28.028	28	01.6	39.58	26	01.6	A0	CZ	17319	F -43 8591
63		7.6T	19 28.349	0.0013	18	-48 23 9.34	-0.051	13	0.81	28.288	19	02.4	6.72	18	99.0	A5	GC	25066	C -4812462
64	10.3E	9.6Z	19 28.587	0.0008	12	-47 54 33.12	-0.009	12	0.64	28.553	36	05.4	32.71	36	05.4	A0	CZ	17316	F -47 8849
65	9.2E	9.2Z	19 30.191	0.0000	12	-45 32 25.77	-0.003	12	0.69	30.189	45	05.3	25.63	45	05.3	B9	CZ	17317	F -45 9268
66	10.8E	9.5H	19 32.397	0.0011	12	-49 57 15.42	0.001	12	0.63	32.345	31	03.1	15.47	28	03.1	K0	CZ	17314	F -4910549
67		8.0T	19 43.778	-0.0013	20	-42 48 19.65	-0.122	22	0.97	43.835	24	05.9	14.19	27	05.3	F5	GC	25070K	C*-4213180
68		7.8T	19 48.696	0.0006	18	-42 26 38.75	-0.028	20	0.89	48.670	24	04.9	37.48	24	05.2	A5	GC	25072	C -4213185
69		7.9T	19 52.452	-0.0012	20	-42 56 20.97	-0.020	20	0.89	52.504	24	06.4	20.08	24	06.1	K0	GC	25074	C -4213186
70		7.0T	19 55.745	-0.0006	09	-42 20 55.08	-0.062	07	0.38	55.771	15	07.3	52.18	14	03.5	K0	GC	25078	C -4213190
71	10.5E	9.7*	20 0.923	0.0014	12	-47 34 16.54	-0.021	12	0.63	0.859	31	03.1	15.54	28	03.1	F0	CZ	17322	F -47 8851
72		9.9T	20 3.221	0.0017	20	-43 51 42.80	0.009	22	0.96	3.145	24	06.0	43.18	24	05.9	F2	GC	25080	C -4312496
73	9.3E	8.5Z	20 10.090	0.0042	12	-45 9 53.34	-0.155	12	0.69	9.903	45	05.3	46.41	45	05.3	G5	CZ	17325	F -45 9271
74	9.1E	8.5Z	20 13.551	-0.0010	12	-49 29 59.78	-0.015	12	0.86	13.603	63	98.5	59.02	57	98.5	A0	CZ	17332	F -49 8549
75	9.7E	9.5*	20 13.701	-0.0003	12	-40 14 50.87	-0.011	12	0.68	13.716	28	97.8	50.30	26	97.8	F8	CZ	17333	F -40 8550
76	9.2E	8.8H	20 14.536	-0.0002	12	-44 59 46.16	-0.006	12	0.69	14.545	45	05.3	45.88	45	05.3	F0	CZ	17328	F -45 9272
77		7.8T	20 16.327	0.0029	20	-42 26 52.43	-0.093	20	0.91	16.199	24	05.4	48.24	24	05.1	F8	GC	25087	C -4213197
78	9.3E	8.2Z	20 17.184	-0.0004	12	-45 9 52.16	0.022	12	0.63	17.204	31	03.0	53.19	28	03.0	K0	CZ	17329	F -45 9273
79	8.5E	8.2H	20 24.513	-0.0007	12	-49 52 47.10	-0.021	12	0.70	24.544	45	04.9	46.16	45	04.9	A0	CZ	17327	F -4910553
80	10.0E	9.1Z	20 30.023	-0.0001	12	-48 2 26.58	-0.007	12	0.70	30.030	45	04.9	26.26	45	04.9	F8	CZ	17331	F -48 9772
81		7.5T	20 31.382	0.0015	20	-41 37 43.80	-0.033	22	0.96	31.317	24	06.0	42.33	24	05.9	K0	GC	25092	C -4112735
82		5.4T	20 39.985	0.0008	05	-44 8 13.85	-0.018	04	0.24	39.951	10	08.3	12.99	10	03.6	B3	GC	25094	C*-4412569
83		6.6T	20 40.907	0.0042	13	-49 40 41.29	-0.143	12	0.67	40.698	19	00.7	33.82	18	97.8	F8	GC	25095	C -4912105
84	9.9E	9.5Z	20 41.755	-0.0001	12	-41 43 48.58	-0.006	12	0.74	41.765	45	05.1	47.76	45	05.1	A2	CZ	17341	F -41 8659
85	9.6E	9.5Z	20 45.930	-0.0007	12	-45 59 1.42	-0.019	12	0.69	45.960	45	05.4	0.57	45	05.4	F0	CZ	17340	F -46 9289
86	7.8E	8.0Z	20 47.308	-0.0005	12	-40 45 33.82	-0.001	12	0.86	47.336	63	98.5	33.79	57	98.5	B8	CZ	17344	F -40 8552
87	9.4E	9.1Z	20 47.846	0.0012	12	-48 45 57.77	-0.003	12	0.70	47.787	45	04.9	57.65	45	04.9	A0	CZ	17336	F -48 9774
88	9.8E	8.5Z	20 49.703	-0.0017	12	-40 35 42.41	-0.082	12	0.86	49.791	63	98.5	38.20	57	98.5	F8	CZ	17345	F -40 8553
89		9.6T	20 50.632	0.0009	20	-44 34 18.71	0.021	22	0.96	50.590	24	05.6	19.63	24	05.9	G0	GC	25099	C -4412572
90	8.1E	8.0Z	20 50.656	0.0028	12	-48 49 9.56	-0.030	12	0.63	50.526	31	03.1	8.16	28	03.1	F0	CZ	17338	F -48 9776
91	8.7E	8.5Z	20 51.488	0.0006	12	-44 13 35.31	-0.000	12	0.69	51.463	45	05.4	35.30	45	05.4	A2	CZ	17343	F -44 9121
92	9.3E	9.3*	21 4.739	0.0012	12	-45 52 30.60	-0.004	12	0.63	4.681	31	03.1	30.40	28	03.1	A5	CZ	17347	F -45 9276
93	8.8E	8.5Z	21 5.731	-0.0006	12	-42 3 19.85	-0.031	12	0.73	5.759	45	01.7	18.34	45	01.7	G0	CZ	17351	F -42 8386
94	9.1E	8.5Z	21 6.586	0.0015	12	-45 58 9.57	-0.000	12	0.69	6.518	45	05.3	9.57	45	05.3		CZ	17348	F -46 9293
95	11.8E	11.0Z	21 6.635	0.0000	12	-45 58 25.56	-0.011	12	0.69	6.598	45	05.3	25.07	45	05.3		CZ	17349	F -46 9293
96	10.1E	9.5Z	21 8.955	0.0002	12	-45 57 6.19	-0.002	12	0.69	8.944	45	05.3	6.09	45	05.3		CZ	17350	F -45 9280
97	7.3E	8.2Z	21 9.850	0.0023	12	-48 34 55.89	-0.035	12	0.70	9.746	45	04.9	54.33	45	04.9	A5	CZ	17346	F -48 9778
98	7.4E	8.0Z	21 17.989	-0.0008	12	-42 15 24.82	-0.011	12	0.65	18.031	28	00.1	24.27	26	00.1	A0	CZ	17354	F -42 8389
99	9.4E	8.9Z	21 21.360	-0.0011	12	-47 2 19.58	-0.004	12	0.69	21.407	45	05.4	19.39	45	05.4	F5	CZ	17353	F -47 8862
00		8.9T	21 26.840	-0.0008	20	-44 31 53.39	-0.026	22	0.99	26.874	24	04.7	52.20	24	04.4	G5	GC	25113	C -4412580

229000

	MAGNITUDES		EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE	
NUMBER	m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	
1	9.6E	9.0Z	18 21 34.319	0.0009	12	-40 19 54.22	-0.019	12	0.86	34.278	63	98.5	53.26	57	98.5	F2	CZ	17360	
2		7.6T	21 39.043	-0.0185	11	-44 37 15.95	-0.034	09	0.48	39.552	15	08.5	14.47	15	06.9	G5	GC	25118	
3	8.9E	8.1Z	21 48.418	0.0016	12	-39 44 7.84	-0.004	12	0.85	48.381	36	05.1	7.46	36	05.1	K0	CZ	17356	
4	9.5E	9.4Y	21 48.788	-0.0004	12	-41 18 0.26	-0.016	12	0.86	48.819	28	99.2	-58.46	28	99.2	A0	CZ	17364	
5	9.0E	8.5Z	21 49.155	-0.0002	12	-41 46 14.23	-0.042	12	0.86	49.165	29	99.0	12.08	28	99.0	G0	CZ	17363	
6	9.4E	9.5Z	21 54.038	0.0001	12	-46 47 9.80	-0.008	12	0.83	54.032	31	03.1	9.41	28	03.1	A0	CZ	17361	
7		9.1Y	2.507	0.0038	20	-41 43 20.73	-0.087	22	0.97	2.578	24	05.9	18.25	24	05.7	K0	GC	25128	
8	8.8E	9.0Z	2.716	0.0003	12	-42 41 47.36	-0.021	12	0.73	2.701	45	01.7	47.51	45	01.7	B8	GC	25129	
9	9.0E	8.5Z	7.428	0.0008	12	-44 1 2.35	-0.006	12	0.88	7.398	45	05.4	2.28	45	05.4	F0	CZ	17369	
10	9.4E	9.0Z	8.381	0.0001	12	-46 38 37.22	-0.008	12	0.88	8.375	45	05.4	36.84	45	05.4	G5	CZ	17366	
11	9.0E	9.0Z	11.518	0.0015	12	-47 0 58.36	-0.084	12	0.63	11.445	31	03.1	55.37	28	03.1	F2	CZ	17367	
12		8.5Y	33.084	0.0008	16	-49 55 55.21	-0.000	16	0.79	33.055	19	02.5	55.20	19	01.4	A0	GC	25139	
13	9.1E	8.0Z	33.873	-0.0022	12	-45 59 7.42	-0.020	12	0.89	33.970	45	05.4	6.52	45	05.4	K0	CZ	17373	
14	9.4E	8.9H	37.080	-0.0006	12	-40 4 57.48	-0.008	12	0.86	37.091	63	98.5	57.08	57	98.5	G5	CZ	17380	
15		9.1Y	37.867	0.0043	16	-42 34 59.05	-0.019	16	0.89	37.862	19	02.5	56.13	18	01.7	A0	GC	25140	
16		9.0T	39.458	-0.0010	20	-44 35 10.25	0.067	12	0.79	39.501	24	05.6	13.58	22	00.1	K0	GC	25142	
17	9.4E	9.2Z	40.582	0.0010	12	-41 58 8.59	-0.017	12	0.83	40.535	63	01.7	7.75	57	01.7	F8	CZ	17379	
18		9.0T	43.232	0.0052	20	-43 41 30.30	-0.088	22	0.96	43.001	24	05.8	29.05	24	05.7	K0	GC	25146	
19	10.3E	9.4E	46.505	-0.0000	12	-45 10 40.09	0.012	12	0.63	46.506	31	03.1	40.65	28	03.1	F2	CZ	17376	
20	8.4E	7.0Z	50.401	-0.0008	12	-42 33 59.04	0.008	12	0.73	50.409	45	01.7	59.43	45	01.7	MA	CZ	17383	
21		5.5T	6.040	-0.0004	10	-48 8 47.82	-0.040	09	0.39	6.063	14	12.5	46.15	14	06.8	G5	GC	25150	
22	9.1E	8.2Z	13.913	0.0013	12	-40 9 20.05	0.003	12	0.81	13.855	28	03.7	20.22	28	03.7	B8	CZ	17389	
23		3.8H	15.974	-0.0014	05	-45 59 53.12	-0.046	08	0.10	16.080	06	16.0	51.55	05	16.1	B3	F4	691	
24	9.5E	8.5Z	18.482	-0.0010	12	-40 47 20.28	0.035	12	0.88	18.474	29	98.0	22.12	28	98.0	G0	CZ	17392	
25	9.5E	9.0Z	20.476	0.0000	12	-42 42 35.79	0.016	12	0.88	20.476	36	01.7	36.56	36	01.7	G5	CZ	17391	
26	9.4E	9.1Z	20.485	-0.0004	12	-44 30 21.56	0.003	12	0.84	20.501	36	05.4	21.70	36	05.4	A3	CZ	17390	
27	10.4E	9.5Z	21.422	-0.0008	12	-47 40 50.59	-0.004	12	0.81	21.353	28	03.7	49.47	28	03.7	F8	CZ	17388	
28	10.1E	9.7Z	27.188	0.0009	12	-43 33 16.52	-0.005	12	0.63	27.086	24	01.5	16.27	24	01.5	F5	CZ	17393	
29	9.3E	8.5Z	41.746	0.0007	12	-47 50 27.06	-0.003	12	0.84	41.717	36	05.4	26.91	36	05.4	A3	CZ	17395	
30		8.9T	4.388	0.0009	16	-42 54 18.76	-0.009	16	0.89	4.386	19	02.4	18.32	18	01.7	G5	GC	25166	
31	9.0E	8.4Z	23.400	0.0010	12	-49 27 39.04	-0.033	12	0.70	23.367	45	04.9	37.56	45	04.9	A2	CZ	17400	
32	9.0E	9.0Z	23.918	-0.0002	12	-41 2 41.18	-0.014	12	0.86	23.928	28	99.0	40.48	28	99.0	B8	CZ	17402	
33	9.3E	8.1Z	24.875	-0.0000	12	-49 33 2.90	-0.025	12	0.70	24.885	45	04.9	1.77	45	04.9	K0	CZ	17401	
34	8.9E	9.0Z	27.851	-0.0006	12	-41 58 49.50	-0.015	12	0.73	27.880	45	01.7	48.76	45	01.7	B8	CZ	17404	
35		8.9T	36.140	0.0005	16	-43 40 2.08	-0.010	16	0.89	36.115	19	02.6	0.62	18	01.7	K0	GC	25173	
36	9.4E	9.3Z	37.884	-0.0009	12	-41 28 35.21	-0.016	12	0.74	37.929	45	00.1	34.40	45	00.1	A2	CZ	17410	
37	10.7E	9.4H	39.486	-0.0012	12	-44 50 53.37	-0.027	12	0.63	39.540	31	03.1	52.10	28	03.1	G5	CZ	17407	
38	9.4E	9.5Z	42.627	0.0001	12	-48 47 43.47	0.005	12	0.70	42.624	45	04.9	43.70	45	04.9	A0	CZ	17405	
39	9.8E	9.0Z	44.220	0.0006	12	-46 24 24.34	0.004	12	0.69	44.192	45	05.4	24.51	45	05.4	K2	CZ	17408	
40	8.8E	9.5Z	45.586	0.0010	12	-48 49 44.94	-0.016	12	0.63	45.550	31	03.0	44.20	28	03.0	A2	CZ	17405	
41	9.7E	8.3Z	45.885	0.0014	12	-40 32 3.98	-0.087	12	0.86	45.793	63	98.6	-39.46	57	98.6	G0	CZ	17414	
42	9.4E	9.0Z	46.680	0.0010	12	-41 29 52.65	-0.021	12	0.74	46.640	45	00.1	51.57	45	00.1	A2	CZ	17413	
43	8.8E	8.2Z	48.840	-0.0013	12	-46 46 52.54	-0.013	12	0.63	48.898	31	05.1	51.92	28	03.1	G0	CZ	17409	
44		9.4Y	54.385	-0.0004	11	-44 11 53.59	-0.027	10	0.60	54.404	22	98.6	52.09	21	95.4	G0	GC	25181	
45	9.7E	9.0Z	54.549	-0.0005	12	-40 17 29.57	-0.007	12	0.88	54.575	28	97.7	29.22	28	97.7	K2	CZ	17415	
46	8.8E	8.0Z	57.262	0.0006	12	-46 13 47.22	-0.015	12	0.89	57.215	45	05.4	46.55	45	05.4	K2	CZ	17412	
47		4.1T	58.886	0.0147	06	-49 6 0.58	-0.241	05	0.26	58.185	10	05.4	48.94	09	01.7	K0	GC	25185	
48	8.7E	9.0Z	0.912	-0.0002	12	-41 1 28.93	-0.057	12	0.74	0.922	45	00.1	27.09	45	00.1	B8	CZ	17417	
49	9.8E	9.3Z	3.349	-0.0007	12	-41 10 5.21	-0.016	12	0.74	3.394	45	00.1	4.42	45	00.1	B8	CZ	17419	
50	9.4E	9.5Z	9.912	-0.0003	12	-46 25 46.11	-0.017	12	0.89	9.925	45	05.4	45.34	45	05.4	F8	CZ	17416	
51	9.3E	8.0Z	11.130	-0.0003	12	-41 42 26.44	-0.016	12	0.86	11.145	28	99.0	25.61	28	99.0	K2	CZ	17421	
52	10.0E	9.5Z	12.983	-0.0006	12	-46 8 12.88	-0.084	12	0.89	12.882	45	05.4	11.80	45	05.4	A2	CZ	17418	
53		9.3T	16.754	-0.0002	20	-44 86 16.73	-0.032	20	0.91	16.762	24	05.5	15.28	24	05.1	G5	GC	25192	
54		8.5T	18.225	-0.0008	16	-47 21 54.01	-0.006	13	0.80	18.286	18	02.7	53.69	21	99.1	G5	GC	25193	
55		8.5T	23.885	0.0050	20	-43 9 29.13	-0.025	20	0.91	23.443	24	05.5	28.00	24	05.1	K0	GC	25195	
56		8.5T	35.321	-0.0002	10	-43 52 45.58	0.029	09	0.58	35.331	21	95.4	47.24	19	92.2	K0	GC	25201	
57	9.3E	8.3Z	42.118	-0.0005	12	-41 59 22.89	-0.016	12	0.65	42.132	28	00.0	22.08	28	00.0	K0	CZ	17425	
58		7.5T	42.215	-0.0015	16	-47 7 9.43	0.030	13	0.76	42.285	19	01.2	10.95	18	98.8	K0	GC	25204	
59		8.0T	42.361	0.0033	26	-41 59 23.67	-0.026	26	1.20	42.210	19	03.9	22.44	19	03.3	K0	GC	25205	
60	9.0E	9.0Z	43.219	0.0008	12	-46 20 41.76	-0.011	12	0.63	43.181	31	03.1	41.23	28	03.1	A0	CZ	17424D	
61	9.4E	8.9Z	49.982	0.0002	12	-40 23 9.17	0.018	12	0.86	49.972	63	98.6	10.10	57	98.6	F2	CZ	17428	
62	9.7E	9.0Z	54.091	0.0004	12	-46 45 3.52	-0.023	12	0.89	53.983	45	05.4	2.49	45	05.4	G0	CZ	17426	
63	8.9E	9.1Z	3.019	0.0012	12	-49 32 4.29	-0.023	12	0.70	2.965	45	04.9	3.26	45	04.9	A5	CZ	17427	
64		5.7T	10.231	0.0014	09	-47 15 15.35	-0.001	07	0.36	10.169	12	06.5	15.29	12	03.8	K0	GC	25216	
65	9.4E	9.6Z	13.223	0.0009	12	-48 8 12.35	-0.004	12	0.70	13.185	45	04.9	12.16	45	04.9	A0	CZ	17430	
66	9.6E	9.2Z	14.528	0.0000	12	-47 40 53.95	-0.014	12	0.89	14.489	45	05.4	53.32	45	05.4	A0	CZ	17431	
67	9.3E	9.5Z	15.718	0.0010	12	-42 56 46.10	-0.013	12	0.73	15.699	45	01.7	45.47	45	01.7	F2	CZ	17435	
68	9.0E	8.3H	22.798	-0.0009	12	-49 31 24.21	-0.023	12	0.63	22.821	31	03.1	23.12	28	03.1	F3	CZ	17432	
69		7.1T	25.908	0.0019	06	-43 51 57.20	-0.145	06	0.39	25.821	14	06.3	30.63	14	04.8	G0	GC	25221	
70	8.9E	8.2Z	26.943	-0.0080	12	-49 36 7.43	-0.125	12	0.70	27.303	45	04.9	1.80	45	04.9	K0	CZ	17433	
71	8.7E	8.1Z	27.899	0.0010	12	-49 42 6.91	-0.003	12	0.70	27.853	45	04.9	6.37	45	04.9	K0	CZ	17434	
72		8.8T	30.953	-0.0005	20	-43 53 16.80	-0.084	22	0.97	30.965	24	05.5	14.39	24	05.7	K7	GC	25234	
73	9.3E	9.5Z	41.084	0.0008	12	-42 3 54.20	-0.016	12	0.73	41.025	45	01.7	53.42	45	01.7	A5	CZ	17442	
74	8.7E	8.8Z	50.036	0.0006	12	-49 50 40.99	-0.018	12	0.70	50.007	45	04.9	40.18	45	04.9	F3	CZ	17438	
75	10.1E	8.5Z	51.258	0.0027	12	-49 41 40.08	-0.031	12	0.70	51.158	45	04.9	36.68	45	04.9	K0	CZ	17439	
76	8.4E	8.9Z	1.632	-0.0004	12	-41 10 1.99	-0.023	12	0.74	1.652	45	00.1	0.85	45	00.1	A2	CZ	17445	
77		8.7T	9.119	-0.0043	16	-48 3 0.14	-0.046	12	0.75	9.327	22	01.9	-57.70	21	97.4	G0	GC	25236K	
78		8.7T	16.815	0.0041	16	-47 51 36.49	-0.005	13	0.75	16.617	19	01.3	36.21	18	98.3	K0	GC	25240	
79	9.9E	9.3Z	22.445	-0.0020	12	-44 36 0.79	-0.012	12	0.69	22.532	45	05.4	0.25	45	05.4	A0	CZ	17448	
80		8.3T	29.655	-0.0000	10	-41 56 55.13	-0.021	08	0.54	29.656	21	98.4	53.85	18	90.3	A5	GC	25249	
81	10.3E	9.5Z	30.082	-0.0013	12	-48 23 35.17	-0.010	12	0.70	30.123	45	04.9	34.11	45	04.9	F3	CZ	17446D	
82	10.8E	10.0Z	30.822	-0.0008	12	-48 23 32.54	0.005	12	0.70	30.851	45	04.9	32.75	45	04.9	F3	CZ	17447D	
83		7.2T	34.933	-0.0025	10	-47 20 54.87	0.010	08	0.41	35.096	15	09.5	55.30	15	05.6	G5	GC	25254	
84		7.8T	36.595	0.0017	20	-43 45 55.55	-0.002	20	0.91	36.518	24	05.5	55.44	24	05.2	B3	GC	25257K	
85		7.5T	39.219	-0.0028	15	-43 52 49.54	-0.080	20	0.83	39.359	24	03.0	45.94	24	05.2	K0	GC	25260	
86		8.6T	49.080	-0.0010	18	-43 23 55.43	-0.201	18	0.89	49.127	19	02.6	45.80	18	02.1	G5	GC	25264K	
87	11.7E	10.0Z	49.453	-0.0082	12	-43 23 46.19	-0.209	12	0.71	49.740	45	03.6	36.49	45	03.6	G5	CZ	17457	
88	10.1E	9.6Z	52.013	0.0000	12	-48 28 50.71	0.005	12	0.65	52.012	36	04.8	50.95	36	04.8	FD	CZ	17455	
89		8.4T	52.129	-0.0004	17	-48 42 13.29	-0.016	18	0.85	52.148	19	03.0	12.54	19	03.0	FD	GC	25265	
90		7.9T	55.713	-0.0017	20	-42 7 56.96	-0.026	20	0.91	55.790	24	05.5	55.78	24	05.2	A2	GC	25267	
91	8.4E	8.0Z	58.636	-0.0001	12	-41 6 5.21	-0.006	12	0.74	58.642	45	00.1	4.92	45	00.1	F0	CZ	17461	
92		5.0T	3.189	-0.0007	05	-45 57 2.62	-0.030	05	0.28	3.220	12	04.6	1.08	12	99.3	B8	GC	25269	
93	7.9E	8.5Z	5.851	-0.0009	12	-41 41 38.27	-0.018	12	0.67	5.898	28	98.9	37.35	28	98.9	B9	CZ	17462	
94		5.7T	19.502	-0.0005	09	-43 32 38.20	-0.018	09	0.39	19.520	14	04.8	37.44	14	09.0	K0	GC	25272	
95		5.3T	20.114	0.0004	05	-45 47 37.43	-0.006	05	0.26	20.095	12	05.2	37.11	12	99.8	B5	GC	25273	
96		8.0T	22.689	0.0010	11	-44 37 49.86	-0.013	10	0.59	22.636	19	98.5	49.15	18	95.8	K2	GC	25275	
97	9.1E	9.0H	29.959	0.0005	12	-44 4 34.17	0.004	12	0.61	29.938	28	03.7	34.35	24	03.7	A0	CZ	17467	
98	9.1E	9.0Z	30.851	-0.0042	12	-41 9 6.35	-0.018	12	0.69	31.059	36	00.6	5.48	36	00.6	F8	CZ	17468	
99	9.9E	9.2Z	39.645	-0.0012	12	-48 14 0.57	-0.040	12	0.85	39.702	36	04.8	-58.75	36	04.8	G0	CZ	17466	
00	9.8E	9.1Z	42.150	-0.0003	12	-40 47 19.00	-0.011	12	0.88	42.185	63	98.6	18.45	57	98.6	A0	CZ	17470	

-40°
18H

229100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 18H DM NUMBER
1	8.7E	9.2Z	18 28 50.515	0.0046	12	-42 21 23.70	-0.097	12	0.64	50.287	26	00.4	18.88	24	00.4	A5	CZ	17471	P -42 8418
2	9.1E	8.7Z	28 51.284	-0.0007	12	-40 3 12.20	-0.007	12	0.68	51.300	28	97.6	11.85	26	97.6	F2	CZ	17473	P -40 8598
3		8.8T	29 5.855	0.0000	18	-43 59 10.01	0.017	17	0.87	5.853	24	02.8	10.80	22	02.1	K2	GC	25292	C -4412685
4	9.3E	8.9Z	29 10.980	0.0009	12	-45 12 30.51	0.021	12	0.61	10.939	28	03.6	31.48	26	03.6	K0	CZ	17474	P -45 9333
5	9.4E	8.9Z	29 19.071	-0.0012	12	-41 58 43.37	0.002	12	0.73	19.128	45	01.7	43.46	45	01.7	K2	CZ	17477	P -42 8420
6	9.7E	9.0Z	29 20.729	-0.0020	12	-45 44 21.21	-0.018	12	0.65	20.816	36	05.3	20.40	36	05.3	G5	CZ	17476	P -45 9334
7	9.3E	9.0Z	29 29.782	-0.0001	12	-41 41 18.40	-0.012	12	0.66	29.786	28	99.0	17.77	26	99.0	G0	CZ	17479	P -41 8709
8	9.1E	9.5Z	29 40.771	0.0005	12	-40 55 16.23	-0.016	12	0.66	40.745	63	98.6	15.42	57	98.6	A0	CZ	17481	P -40 8601
9	11.0E	9.3Z	29 48.265	-0.0011	12	-42 41 52.50	-0.061	12	0.73	48.318	45	01.7	49.55	45	01.7	G0	CZ	17483D	P -42 8421
10	11.2E	9.7Z	29 48.785	0.0018	12	-42 41 46.78	-0.026	12	0.73	48.695	45	01.7	45.53	45	01.7	G0	CZ	17484D	P -42 8421
11		4.7M	29 55.960	0.0026	03	-42 21 2.24	-0.021	03	0.11	55.871	06	18.1	1.55	06	16.7	G5	F4	697	C -4213378
12	8.9E	9.0Z	29 58.977	-0.0012	12	-46 6 24.32	-0.037	12	0.63	59.032	31	03.1	22.58	28	03.1	A2	CZ	17485	P -46 9372
13	9.3E	9.5Z	30 2.069	0.0009	12	-45 32 20.11	-0.004	12	0.63	2.027	31	03.1	19.92	28	03.1	A2	CZ	17486	P -45 9338
14		8.9T	30 9.137	0.0007	18	-43 30 39.90	0.005	18	0.89	9.102	19	02.4	40.14	18	01.8	K0	GC	25318	C -4312621
15	7.6E	7.7Z	30 33.575	-0.0005	12	-41 15 18.54	-0.010	12	0.67	33.599	28	98.9	18.01	26	98.9	B9	CZ	17492	P -41 8715
16	9.5E	9.0Z	30 33.756	0.0012	12	-42 20 1.69	0.004	12	0.73	33.698	45	01.7	1.88	45	01.7	A0	CZ	17491	P -42 8425
17		7.7T	30 43.445	0.0004	17	-42 37 48.49	0.005	16	0.82	43.426	19	02.0	48.75	18	01.0	G5	GC	25330	C -4213392
18	9.8E	8.7Z	30 56.443	0.0004	12	-41 28 57.13	-0.023	12	0.74	56.424	45	00.1	55.98	45	00.1	A0	CZ	17503	P -41 8716
19	8.1E	7.8Z	31 0.117	0.0011	12	-49 23 29.71	-0.030	12	0.63	0.065	31	03.4	28.33	28	03.4	K0	CZ	17494	P -4910648
20	8.1E	8.7Z	31 3.852	0.0009	12	-48 3 9.91	-0.013	12	0.70	3.811	45	04.5	9.31	45	04.5	B8	CZ	17495	P -48 9862
21	11.2E	9.7Z	31 4.319	0.0009	12	-47 24 3.82	-0.009	12	0.64	4.277	31	02.5	3.39	28	02.5	G5	CZ	17497	P -47 8938
22	9.8E	8.7Z	31 4.418	0.0008	12	-48 3 54.17	-0.046	12	0.70	4.381	45	04.5	52.07	45	04.5		CZ	17498	P -48 9863
23	9.9E	9.5Z	31 5.174	0.0006	12	-45 49 58.33	-0.035	12	0.69	5.148	45	05.3	56.77	45	05.3	F8	CZ	17502	P -45 9344
24	9.0E	9.3Z	31 5.761	0.0005	12	-47 0 22.95	0.002	12	0.70	5.747	45	04.5	23.04	45	04.5	A0	CZ	17500	P -47 8940
25	9.3E	9.0Z	31 8.051	0.0005	12	-48 41 32.93	-0.019	12	0.70	8.027	45	04.5	32.08	45	04.5	A5	CZ	17498	P -48 9864
26	8.9E	8.2Z	31 8.782	0.0033	12	-48 11 28.34	-0.001	12	0.64	8.627	31	02.8	28.29	28	02.8	K0	CZ	17499	P -48 9865
27	9.4E	8.8M	31 11.197	0.0014	12	-46 43 52.10	0.007	12	0.63	11.131	31	03.1	52.43	28	03.1	G5	CZ	17504	P -46 9382
28	9.3E	8.0Z	31 23.771	0.0011	12	-44 32 36.84	-0.014	12	0.63	23.719	31	03.1	36.20	28	03.1	K0	CZ	17507	P -44 9213
29	8.9E	9.0Z	31 24.568	0.0011	12	-48 29 36.36	-0.020	12	0.70	24.519	45	04.5	35.47	45	04.5	B9	CZ	17505	P -48 9869
30		9.4T	31 26.430	-0.0009	20	-44 14 34.13	-0.040	22	0.95	26.468	24	06.3	32.41	26	07.0	G0	GC	25354	C -4412715
31	8.1E	9.0Z	31 33.702	0.0004	12	-45 58 52.45	-0.009	12	0.63	33.684	31	03.1	52.03	28	03.1	B5	CZ	17508	P -46 9389
32	9.0E	8.5Z	31 40.632	0.0008	12	-48 41 46.06	-0.003	12	0.64	40.594	31	02.8	45.94	28	02.8	A3	CZ	17509	P -48 9873
33		9.6T	31 56.306	-0.0010	18	-44 28 50.44	-0.019	20	0.89	56.350	24	04.9	49.58	26	04.4		GC	25365	C -4412723
34		9.1T	32 15.865	0.0014	20	-44 28 11.95	0.006	20	0.91	15.801	24	05.5	12.22	24	05.1	B9	GC	25375	C -4412727
35	12.2E	10.8H	32 16.060	-0.0004	12	-44 28 4.42	-0.021	12	0.69	16.077	45	05.4	3.50	45	05.4	B9	CZ	17511	P -44 9223
36		9.5T	32 17.310	0.0000	20	-43 56 1.51	-0.006	20	0.91	17.309	24	05.6	1.25	24	05.2	K5	GC	25376	C -4312646
37		9.5T	32 21.628	0.0074	17	-44 28 8.52	-0.011	16	0.85	21.283	24	03.6	8.01	24	04.1	G0	GC	25377	C -4412729
38		9.3T	32 40.220	0.0011	18	-43 25 56.95	-0.028	20	0.90	40.171	24	04.9	55.67	24	03.8	G0	GC	25393	C -4312653
39	9.1E	9.0Z	32 40.514	-0.0014	12	-47 1 39.27	-0.004	12	0.70	40.578	45	04.5	39.09	45	04.5	G0	CZ	17512	P -47 8950
40	9.1E	9.5Z	33 0.880	0.0006	12	-45 9 40.44	-0.006	12	0.63	0.850	31	03.0	40.16	28	03.0	B9	CZ	17514	P -45 9375
41		8.4T	33 4.004	0.0011	26	-41 42 19.46	-0.013	22	1.13	3.954	19	03.8	18.85	19	03.2	F0	GC	25399	C -4112953
42	7.7E	7.5Z	33 14.189	0.0008	12	-43 15 8.81	0.035	12	0.70	14.152	45	04.5	10.41	45	04.5	G0	CZ	17517	P -48 9883
43	9.6E	9.4Z	33 14.957	0.0018	12	-43 17 21.32	-0.006	12	0.67	14.872	36	02.6	20.95	36	02.6		CZ	17519	P -43 8682
44	9.5E	9.4Z	33 16.297	0.0010	12	-43 15 58.01	0.007	12	0.63	16.248	28	01.1	38.36	24	01.1		CZ	17520	P -43 8683
45	9.5E	9.5Z	33 16.658	-0.0005	12	-49 39 46.43	-0.019	12	0.69	16.682	45	05.4	45.58	45	05.4	F5	CZ	17516	P -4910867
46	8.1E	9.0Z	33 23.848	-0.0004	12	-42 9 6.72	0.001	12	0.64	23.868	26	00.3	6.77	24	00.3	B9	CZ	17521	P -42 8439
47		8.6T	33 38.866	-0.0011	20	-44 3 40.71	-0.028	26	1.05	38.915	21	04.0	39.45	21	04.9	K0	GC	25410	C -4412748
48		7.0T	33 41.003	0.0011	13	-47 7 2.05	0.002	11	0.67	40.950	19	99.8	2.17	18	96.5	F2	GC	25412K	C -4712408
49	9.2E	9.5Z	33 41.918	0.0013	12	-44 20 4.41	-0.003	12	0.64	41.858	36	05.4	4.26	36	05.4	A0	CZ	17525	P -44 9240
50		6.7T	33 44.919	-0.0008	10	-40 50 45.73	-0.018	09	0.43	44.955	14	06.1	44.94	14	05.1	K0	GC	25414	C -4012648
51	9.5E	8.9Z	33 54.006	-0.0014	12	-43 31 37.81	0.003	12	0.67	54.070	36	02.6	37.93	36	02.6	G5	CZ	17527	P -43 8687
52	8.1E	8.0Z	34 4.330	0.0000	12	-42 59 55.58	-0.009	12	0.64	4.329	28	01.2	55.14	26	01.2	A0	CZ	17530	P -43 8691
53	9.4E	9.0Z	34 10.742	0.0008	12	-40 32 1.88	0.005	12	0.68	10.700	28	97.6	2.15	26	97.6	G0	CZ	17534	P -40 8614
54		7.4T	34 11.760	-0.0006	10	-41 39 26.11	-0.025	09	0.43	11.795	15	07.6	24.97	14	04.5	F0	GC	25426	C -4112972
55	9.5E	9.4Z	34 12.736	-0.0001	12	-48 23 2.75	0.001	12	0.70	12.742	45	04.5	2.79	45	04.5	A3	CZ	17529	P -48 9889
56	9.4E	8.8M	34 13.331	0.0001	12	-46 34 20.77	-0.063	12	0.61	13.328	28	03.7	17.85	26	03.7	F2	CZ	17531	P -46 9402
57	9.8E	9.5Z	34 16.587	0.0008	12	-41 29 22.36	-0.003	12	0.74	16.547	45	00.1	22.19	45	00.1		CZ	17536	P -41 8732
58	8.9E	9.0Z	34 16.923	0.0006	12	-45 17 31.22	-0.016	12	0.61	16.895	28	03.7	30.47	26	03.7	A2	CZ	17532	P -45 9387
59	11.1E	9.8M	34 30.810	0.0026	12	-47 42 2.16	-0.009	12	0.62	30.690	28	03.2	1.74	26	03.2	K0	CZ	17535	P -47 8968
60		7.6T	34 37.023	-0.0054	10	-45 30 36.02	-0.023	09	0.57	37.319	21	94.9	34.71	19	92.3	F8	GC	25438	C -4512639
61		8.4T	34 37.569	0.0014	22	-44 26 49.06	-0.001	22	1.04	37.505	21	05.0	49.01	21	04.2	K5	GC	25439	C -4412759
62		6.5T	34 42.560	0.0007	17	-48 45 53.43	-0.033	09	0.70	42.526	19	02.0	51.61	18	95.4	K0	GC	25440	C -4812637
63	8.0E	8.0Z	34 44.722	0.0032	12	-49 29 42.83	0.002	12	0.63	44.574	31	03.4	42.93	28	03.4	A5	CZ	17538	P -4910676
64	9.3E	9.5Z	35 18.415	0.0001	12	-43 30 3.00	-0.009	12	0.65	18.407	28	00.9	2.55	26	00.9	A0	CZ	17544	P -43 8700
65		6.0T	35 27.325	0.0029	06	-47 57 18.33	0.019	06	0.28	27.205	09	08.1	19.19	09	05.4	A5	GC	25474	C -4812644
66		7.1T	35 32.325	0.0010	15	-46 31 51.71	-0.028	13	0.73	32.279	18	01.7	50.27	21	98.1	K0	GC	25477	C -4612521
67	10.0E	9.6Z	35 42.043	0.0005	12	-48 33 14.64	0.007	12	0.70	42.021	45	04.5	14.98	45	04.5	A3	CZ	17548	P -48 9904
68	9.2E	9.0Z	35 43.775	0.0003	12	-41 36 32.02	-0.030	12	0.74	43.760	45	00.1	30.51	45	00.1	F0	CZ	17550	P -41 8737
69		7.4T	35 47.358	0.0012	20	-45 47 40.38	0.060	18	0.91	47.301	21	03.6	43.21	21	02.9	K0	GC	25482K	C -4512652
70	8.9E	9.0Z	35 56.013	0.0009	12	-41 29 6.40	-0.013	12	0.67	55.967	28	98.9	5.72	26	98.9	B9	CZ	17557	P -41 8740
71	8.7E	8.5Z	35 57.856	-0.0013	12	-47 6 28.34	0.009	12	0.70	57.917	45	04.5	28.75	45	04.5	B9	CZ	17552	P -47 8985
72		5.4T	35 59.556	-0.0048	09	-43 13 51.73	-0.050	08	0.37	59.739	14	12.0	49.64	14	08.1	M8	GC	25486	C*-4312699
73	9.0E	9.4Z	36 1.970	-0.0002	12	-45 16 52.34	0.010	12	0.69	1.979	45	05.3	52.78	45	05.3	B8	CZ	17556	P -45 9400
74	9.9E	9.5Z	36 2.446	0.0007	12	-49 15 41.10	-0.010	12	0.69	2.415	45	05.4	40.67	45	05.4	A3	CZ	17551	P -4910694
75	10.4E	9.9M	36 8.725	-0.0009	12	-49 49 59.59	-0.026	12	0.63	8.766	31	03.5	58.39	28	03.5		CZ	17554	P -4910695
76	9.5E	9.5Z	36 12.056	0.0009	12	-41 15 10.38	-0.017	12	0.74	12.012	45	00.1	9.54	45	00.1	A3	CZ	17559	P -41 8741
77	9.1E	8.9Z	36 15.644	0.0016	12	-42 18 21.02	-0.011	12	0.73	15.586	45	01.1	20.46	45	01.1	A5	CZ	17560	P -42 8445
78	9.5E	9.0Z	36 25.962	0.0008	12	-41 39 22.29	-0.006	12	0.74	25.922	45	00.1	21.97	45	00.1	A0	CZ	17562	P -41 8743
79	10.3E	9.6M	36 26.429	0.0002	12	-46 36 58.85	-0.004	12	0.63	26.421	31	03.1	58.65	28	03.1	F2	CZ	17561	P -46 9421
80		8.4T	36 37.782	0.0029	18	-41 58 54.94	-0.017	20	0.89	37.652	24	04.9	54.16	24	04.9	B5	GC	25505	C -4213493
81	9.3E	9.1Z	36 44.556	0.0062	12	-48 36 47.67	-0.116	12	0.70	44.183	45	04.5	42.40	45	04.5	G5	CZ	17563	P -48 9912
82		7.8T	36 48.401	0.0044	18	-43 23 11.46	0.006	20	0.89	48.203	24	04.9	11.75	24	04.9	F2	GC	25512	C -4312709
83	9.4E	9.5Z	36 51.305	0.0001	12	-45 42 30.20	-0.003	12	0.69	51.299	45	05.3	30.07	45	05.3	A5	CZ	17566	P -45 9405
84		6.9T	36 59.407	0.0003	16	-47 4 27.58	0.012	13	0.75	59.395	18	01.5	28.22	21	98.2	A0	GC	25516	C -4712449
85		7.2T	37 4.458	0.0014	13	-44 13 10.16	0.021	12	0.69	4.385	22	98.9	11.31	19	95.4	G0	GC	25518	C -4412797
86	9.8E	9.5Z	37 7.859	0.0024	12	-45 47 24.70	-0.016	12	0.69	7.750	45	05.3	23.99	45	05.3	G0	CZ	17569	P -45 9406
87	8.9E	8.5Z	37 9.387	-0.0001	12	-43 32 57.42	-0.027	12	0.72	9.390	45	03.0	56.14	45	03.0	F5	CZ	17572	P -43 8709
88	9.5E	9.0Z	37 12.102	0.0037	12	-45 49 8.46	-0.006	12	0.69	11.935	45	05.3	8.19	45	05.3	G0	CZ	17571	P -45 9407
89	10.2E	9.0Z	37 32.929	-0.0000	12	-47 18 40.40	-0.010	12	0.64	32.931	31	02.5	39.93	28	02.5	K0	CZ	17574	P -47 8997
90	9.2E	8.3M	37 38.480	-0.0006	12	-45 17 40.07	-0.007	12	0.63	38.509	31	03.0	39.74	28	03.0	K2	CZ	17580	P -45 9413
91		7.3T	37 39.634	0.0008	15	-42 12 52.49	0.007	12	0.73	39.596	18	00.5	52.85	17	96.8	A0	GC	25532K	C*-4213511
92	9.9E	9.6Z	37 41.161	-0.0010	12	-48 46 1.36	-0.019	12	0.70	41.207	45	04.5	0.51	45	04.5	F0	CZ	17575	P -48 9916
93	9.3E	8.1Z	37 42.140	0.0015	12	-41 29 14.54	-0.007	12	0.74	42.065	45	00.1	14.17	45	00.1	F8	CZ	17586	P -41 8750
94		6.4T	37 43.544	-0.0024	09	-48 8 27.99	-0.119	07	0.39	43.650	14	06.5	22.49	14	03.7	K0	GC	25535	C -4812668
95	9.1E	9.0Z	37 45.664	-0.0014	12	-45 41 12.31	-0.082	12	0.69	45.725	45	05.3	8.64	45	05.3	G5	CZ	17581	P -45 9414
96		8.9T	37 46.180	0.0007	15	-43 53 42.45	-0.010	17	0.78	46.145	24	03.0	41.99	24	04.0	A0	GC	25536	C -4312727
97		8.5T	37 51.703	-0.0001	18	-42 38 47.06	-0.012	18	0.89	51.708	19	02.3	46.50	18	01.7	A0	GC	25540	C -4213517
98	8.5E	9.1Z	37 56.472	0.0002	12	-47 6 42.30	0.009	12	0.65	56.465	36	04.8	42.70	36	04.8	B9	CZ	17587	P -47 9003
99	9.6E	9.0M	37 56.950	-0.0025	12	-49 2 16.27	-0.004	12	0.63	57.066	31	03.5	16.10	28	03.5	F5	CZ	17584	P -4910702
00	9.7E	9.3Z	37 59.104	-0.0002	12	-45 22 33.81	-0.046	12	0.64	59.113	36	05.4	31.75	36	05.4	F8	CZ	17590	P -45 9417

229200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 18H DM NUMBER
1	11.6E	10.8H	18 37 59.991	-0.0006	12	-45 22 40.60	-0.007	12	0.64	+ 0.018	36	05.4	40.29	36	05.4	F8	CZ	17591	P -45 9417
2	9.0E	8.8*	38 7.209	-0.0007	12	-48 40 59.60	-0.021	12	0.62	7.242	28	03.4	58.63	26	03.4	A0	CZ	17589	P -48 9919
3	9.6E	9.3Z	38 12.979	-0.0007	12	-40 24 34.38	-0.037	12	0.86	13.015	63	98.5	32.48	57	98.5	F2	CZ	17592	P -40 8624
4		9.1T	38 24.262	0.0018	17	-43 59 8.87	-0.041	17	0.84	24.195	24	02.3	6.91	24	02.2	M0	GC	25549	C -4412810
5	9.5E	9.5Z	38 26.947	-0.0008	12	-41 47 37.89	-0.040	12	0.65	26.987	26	99.6	35.86	24	99.6		CZ	17597	P -41 8752
6		7.4T	38 29.789	-0.0008	11	-43 58 27.10	-0.032	12	0.66	29.829	18	97.9	25.36	19	95.8	K0	GC	25552	C -4412812
7	11.4E	10.0H	38 30.140	0.0015	12	-43 58 40.90	-0.041	12	0.64	30.071	36	05.4	39.06	36	05.4	K0	CZ	17595	P -44 9281
8		6.8T	38 36.256	-0.0076	14	-47 48 34.79	-0.045	12	0.70	36.641	18	99.4	32.35	19	95.5	F5	GC	25556	C -4712467
9	9.0E	9.3Z	38 36.386	0.0015	12	-44 32 32.79	-0.012	12	0.64	36.317	36	05.4	32.25	36	05.4	A2	CZ	17599	P -44 9282
10		7.4T	38 37.816	-0.0076	15	-41 57 17.79	-0.141	13	0.73	38.184	18	01.8	10.55	21	98.7	G5	GC	25558	C -4213526
11	9.5E	9.3Z	38 41.455	0.0019	12	-48 29 27.50	-0.050	12	0.65	41.367	36	04.8	25.25	36	04.8	G5	CZ	17596	P -48 9820
12		9.1T	38 44.597	0.0017	18	-43 39 19.16	-0.013	16	0.89	44.514	19	02.3	18.53	18	01.7	K0	GC	25560	C -4312742
13	9.3E	9.5Z	38 46.573	-0.0013	12	-49 39 17.10	-0.017	12	0.70	46.631	45	04.5	16.33	45	04.5	F2	CZ	17598	P -5010798
14	10.7E	9.4Z	38 46.739	-0.0005	12	-47 43 2.38	-0.011	12	0.65	46.763	36	04.8	1.87	36	04.8	A0	CZ	17600	P -47 9010
15		8.1T	38 47.521	-0.0038	14	-47 43 16.79	-0.020	12	0.71	47.712	22	00.1	15.72	19	96.1	A0	GC	25562	C -4712470
16		8.7T	38 52.313	-0.0008	20	-44 17 26.33	-0.017	22	0.99	52.348	21	03.7	25.55	21	04.2	F0	GC	25565	C -4412817
17		8.9T	38 55.636	-0.0041	22	-40 38 43.05	0.041	22	1.06	55.828	18	03.7	44.99	18	03.1	F2	GC	25567	C -4012727
18		8.3T	38 57.830	0.0016	18	-43 35 57.06	0.041	20	0.89	57.756	24	04.8	58.90	24	05.1	A0	GC	25569	C -4312745
19	8.3E	8.0Z	39 19.871	-0.0001	12	-48 52 26.11	-0.029	12	0.65	19.876	36	04.8	24.81	36	04.8	K0	CZ	17608	P -48 9924
20	9.4E	8.5Z	39 25.462	0.0018	12	-48 26 18.25	-0.004	12	0.65	25.402	36	04.8	18.06	36	04.8	G5	CZ	17610	P -48 9925
21	9.1E	9.0Z	39 26.435	0.0132	12	-45 56 51.74	-0.226	12	0.61	25.821	28	03.7	41.27	26	03.7	G0	CZ	17611	P -46 9438
22	9.8E	9.2Z	39 37.675	0.0015	12	-47 10 16.37	-0.021	12	0.69	37.610	45	05.4	15.43	45	05.4	F8	CZ	17612	P -47 9019
23	8.9E	8.5Z	39 39.343	0.0003	12	-40 45 13.12	0.001	12	0.86	39.328	63	98.5	13.18	57	98.5	F0	CZ	17617	P -40 8626
24	9.0E	8.6*	39 43.299	0.0016	12	-47 3 2.67	-0.003	12	0.63	43.225	31	03.1	2.52	28	03.1	F0	CZ	17614	P -47 9020
25	8.7E	8.5Z	39 45.272	0.0028	12	-47 12 44.57	0.061	12	0.69	45.149	45	05.4	47.29	45	05.4	F8	CZ	17615	P -47 9021
26	9.6E	9.2Z	39 49.093	0.0003	12	-45 22 1.62	0.014	12	0.69	49.079	45	05.4	2.24	45	05.4	F8	CZ	17616	P -45 9434
27	9.7E	9.5Z	39 56.961	-0.0037	12	-45 52 23.40	-0.065	12	0.69	57.124	45	05.4	20.50	45	05.4	G0	CZ	17618	P -45 9436
28		9.4T	40 1.199	-0.0006	12	-46 13 33.21	-0.012	11	0.64	1.227	22	00.7	32.60	22	98.0	F2	GC	25589	C -4612566
29	8.0E	8.0Z	40 16.038	-0.0019	12	-40 51 1.35	-0.010	12	0.86	16.137	63	98.5	0.84	57	98.5	B8	CZ	17619	P -40 8628
30	9.6E	8.3Z	40 37.774	-0.0008	12	-41 33 31.70	0.005	12	0.74	37.814	45	00.1	31.94	45	00.1	K2	CZ	17625	P -41 8758
31	8.5E	9.0Z	40 39.516	0.0012	12	-47 0 31.73	-0.008	12	0.69	39.465	45	05.4	31.37	45	05.4	A0	CZ	17621D	P*-47 9026
32	9.4E	8.9*	40 41.739	-0.0005	12	-45 12 53.49	-0.003	12	0.63	41.762	31	03.1	53.35	28	03.1	A0	CZ	17623	P -45 9440
33	9.8E	8.5Z	40 49.015	0.0003	12	-41 1 2.16	-0.027	12	0.67	49.000	28	98.9	0.79	26	98.9	K5	CZ	17630	P -41 8759
34	9.5E	9.0Z	40 51.758	0.0035	12	-44 41 34.59	-0.028	12	0.69	51.605	45	05.4	33.33	45	05.4	F5	CZ	17628	P -44 9293
35		8.6T	40 53.012	0.0008	18	-43 42 37.79	0.013	17	0.88	52.973	24	03.6	38.45	24	00.1	K0	GC	25612	C -4312776
36	9.8E	9.2Z	40 53.571	-0.0004	12	-45 49 2.10	-0.017	12	0.69	53.587	45	05.4	1.34	45	05.4	F5	CZ	17627	P -45 9441
37		8.4T	41 0.063	0.0007	17	-42 37 43.44	-0.017	16	0.82	0.030	19	02.0	42.61	18	01.0	B9	GC	25614	C -4213564
38	9.9E	9.3Z	41 2.727	-0.0006	12	-40 52 0.89	0.000	12	0.86	2.758	63	98.5	0.89	57	98.5	B9	CZ	17633	P -40 8633
39	10.0E	9.0Z	41 3.263	0.0005	12	-46 40 15.45	-0.029	12	0.63	3.242	31	03.2	14.14	28	03.2	K0	CZ	17631	P -46 9448
40	9.2E	8.0Z	41 5.128	0.0012	12	-41 25 48.16	-0.022	12	0.74	5.069	45	00.1	47.06	45	00.1	K0	CZ	17634	P -41 8760
41	7.9E	7.7Z	41 7.227	0.0080	12	-41 29 10.75	-0.088	12	0.67	6.820	28	98.9	6.25	26	98.9	F5	CZ	17635	P -41 8761
42	9.8E	9.5Z	41 7.676	0.0002	12	-49 40 57.64	-0.002	12	0.70	7.666	45	04.9	57.55	45	04.9	F0	CZ	17629	P -4910718
43	8.1E	8.4H	41 17.915	-0.0007	12	-40 4 10.39	-0.022	12	0.68	17.952	28	97.9	9.25	26	97.9	A0	CZ	17639	P -40 8636
44	7.8E	8.0Z	41 25.052	-0.0008	12	-49 2 28.43	-0.041	12	0.63	25.088	31	03.1	26.53	28	03.1	G5	CZ	17636	P -4910719
45	10.4E	8.5Z	41 41.116	0.0004	12	-41 29 23.75	-0.007	12	0.74	41.095	45	00.1	23.38	45	00.1	K5	CZ	17643	P -41 8763
46		7.1T	41 46.007	-0.0028	15	-48 30 42.92	-0.026	12	0.73	46.145	19	00.5	41.53	18	97.5	K0	GC	25637	C -4812701
47	9.2E	8.9H	41 48.937	0.0032	12	-44 48 20.79	-0.020	12	0.63	48.785	31	03.1	19.84	28	03.1	F5	CZ	17644	P -44 9299
48		7.1T	41 49.505	-0.0018	14	-48 19 0.38	0.006	08	0.62	49.593	22	02.0	0.74	19	91.5	A5	GC	25639	C*-4812702
49	9.0E	8.5Z	41 55.982	-0.0005	12	-41 58 12.09	-0.021	12	0.73	56.007	45	01.1	11.05	45	01.1	G0	CZ	17647	P -42 8478
50	9.1E	8.5Z	41 59.982	-0.0007	12	-46 39 15.81	0.012	12	0.69	+ 0.014	45	05.5	16.35	45	05.5	K2	CZ	17646	P -46 9459
51	9.1E	8.5Z	18 42 7.467	0.0004	12	-42 28 42.94	0.010	12	0.73	7.446	45	01.1	43.42	45	01.1	G5	CZ	17649	P -42 8481
52		8.2T	42 15.422	0.0024	17	-47 6 8.67	-0.007	15	0.79	15.311	21	02.8	8.35	21	01.8	F0	GC	25650	C -4712509
53	8.7E	7.6Z	42 19.979	0.0006	12	-41 31 21.01	-0.050	12	0.74	19.954	45	00.1	18.50	45	00.1	K0	CZ	17655	P -41 8766
54	9.5E	9.0Z	42 21.312	-0.0017	12	-40 49 34.59	-0.038	12	0.86	21.400	63	98.5	32.64	57	98.5	F8	CZ	17657	P -40 8643
55	8.8E	8.5Z	42 21.577	0.0020	12	-48 20 13.54	-0.023	12	0.70	21.488	45	04.9	12.49	45	04.9	A5	CZ	17650	P -48 9941
56	9.9E	9.4Z	42 23.036	0.0000	12	-46 2 43.10	0.003	12	0.69	23.034	45	05.5	43.23	45	05.5	G5	CZ	17653	P -46 9464
57	10.1E	9.6*	42 23.540	0.0012	12	-47 43 19.00	-0.002	12	0.63	23.485	31	03.1	18.90	28	03.1	A2	CZ	17651	P -47 9039
58	8.5E	8.4H	42 24.089	0.0025	12	-44 54 19.37	-0.028	12	0.69	23.975	45	05.4	18.11	45	05.4	F0	CZ	17654	P -44 9302
59		7.5T	42 24.247	-0.0018	15	-42 35 4.40	-0.005	12	0.74	24.337	22	00.2	4.14	19	95.8	K0	GC	25656	C -4213592
60		7.1T	42 29.272	0.0029	12	-42 37 11.20	-0.019	12	0.66	29.122	18	98.0	10.21	17	97.1	F2	GC	25658	C -4213595
61		8.6T	42 30.088	0.0007	20	-44 32 56.52	-0.079	22	0.95	30.056	24	06.3	53.13	26	07.0	K5	GC	25659	C -4412853
62		6.7T	42 31.116	0.0008	11	-44 16 32.80	-0.025	09	0.44	31.082	15	09.5	31.73	15	07.1	K5	GC	25660	C -4412854
63	8.8E	9.2Z	42 32.127	-0.0009	12	-49 54 18.69	-0.044	12	0.70	32.167	45	04.9	16.71	45	04.9	A5	CZ	17652	P -4910724
64		9.3T	42 36.283	-0.0007	12	-46 38 27.41	0.020	10	0.61	36.320	22	00.1	28.51	21	95.8	K0	GC	25664	C -4612600
65	9.0E	8.5Z	42 44.169	0.0001	12	-42 9 14.93	-0.020	12	0.66	44.164	28	99.7	13.91	26	99.7	K2	CZ	17662	P -42 8488
66		7.1T	42 45.410	-0.0007	15	-41 58 18.01	-0.035	13	0.73	45.445	18	01.8	16.22	21	98.7	K0	GC	25669	C -4213602
67	10.5E	9.3Z	42 45.925	-0.0003	12	-49 33 55.22	-0.043	12	0.70	45.938	45	04.9	53.28	45	04.9	F8	CZ	17660	P -4910728
68	8.9E	9.0Z	42 46.111	0.0011	12	-42 30 42.79	-0.013	12	0.73	46.056	45	01.1	42.15	45	01.1	F0	CZ	17664	P -42 8489
69	9.4E	9.4Z	42 59.631	-0.0014	12	-49 7 16.60	-0.006	12	0.70	59.695	45	04.9	16.34	45	04.9	A0	CZ	17661	P -4910731
70		9.2T	43 2.772	0.0026	15	-46 26 3.21	-0.048	14	0.73	2.648	24	02.9	0.92	22	02.0	A0	GC	25675	C -4612604
71		7.2T	43 10.983	0.0074	16	-43 50 31.24	-0.057	17	0.83	10.615	18	00.5	28.42	17	00.6	F0	GC	25682	C -4312805
72	10.0E	9.0Z	43 14.784	0.0007	12	-49 21 25.93	-0.059	12	0.70	14.754	45	04.9	23.28	45	04.9	G0	CZ	17669	P -4910734
73	10.3E	9.5*	43 19.544	0.0006	12	-48 56 18.82	-0.009	12	0.63	19.516	31	03.1	18.41	28	03.1	G0	CZ	17670	P -4910735
74	9.2E	9.5Z	43 24.443	-0.0005	12	-46 2 20.52	-0.017	12	0.61	24.464	28	03.7	19.73	26	03.7	F0	CZ	17675	P -46 9472
75	9.9E	9.3Z	43 27.507	-0.0027	12	-49 1 28.57	0.021	12	0.70	27.629	45	04.9	29.53	45	04.9	G0	CZ	17673	P -4910736
76	9.1E	7.9Z	43 28.729	0.0006	12	-41 13 1.19	-0.013	12	0.70	28.700	36	99.6	0.54	36	99.6	G5	CZ	17676	P -41 8771
77		7.1T	43 33.298	-0.0022	10	-49 41 5.94	-0.018	09	0.56	33.414	19	96.1	4.93	17	92.4	B9	GC	257008	C -4912336
78	9.3E	9.3*	43 45.247	-0.0001	12	-45 29 22.45	0.001	12	0.63	45.249	28	02.5	22.50	26	02.5	A2	CZ	17677	P -45 9462
79	9.3E	9.0Z	43 55.041	0.0008	12	-45 7 17.21	-0.001	12	0.66	55.005	36	03.8	17.16	36	03.8	K0	CZ	17680	P -45 9463
80	10.4E	9.4*	43 55.285	-0.0005	12	-47 25 59.95	0.000	12	0.61	55.307	28	03.7	59.95	26	03.7	F8	CZ	17678	P -47 9047
81		7.6T	43 57.600	-0.0003	12	-43 36 5.71	-0.016	12	0.66	57.614	21	98.5	4.85	19	96.1	K5	GC	25717	C -4312818
82	9.3E	9.1H	44 0.447	0.0001	12	-44 47 48.72	-0.013	12	0.63	0.444	28	02.5	48.10	26	02.5	A2	CZ	17682	P -44 9316
83		7.6T	44 0.463	0.0012	18	-47 50 29.93	0.030	13	0.80	0.408	18	03.0	31.47	21	99.1	K2	GC	25719	C -4712528
84	9.3E	9.5Z	44 12.495	-0.0011	12	-49 17 36.86	-0.012	12	0.70	12.546	45	04.9	36.33	45	04.9	A0	CZ	17683	P -4910744
85		5.3T	44 14.852	0.0007	07	-40 27 40.90	-0.014	07	0.33	14.820	12	06.8	40.28	12	04.2	G0	GC	25722	C*-4012807
86	9.7E	9.5Z	44 16.315	0.0003	12	-40 56 52.21	-0.006	12	0.86	16.300	63	98.6	51.91	57	98.6	A2	CZ	17689	P -41 8774
87	10.1E	9.3Z	44 17.643	-0.0008	12	-40 30 36.60	0.013	12	0.86	17.685	63	98.6	37.28	57	98.6		CZ	17690	P -40 8650
88	9.4E	9.0Z	44 22.464	0.0011	12	-46 9 6.07	-0.016	12	0.64	22.413	36	05.5	6.78	36	05.5	K0	CZ	17685	P -46 9481
89		8.3T	44 22.961	0.0005	18	-44 5 48.38	-0.020	18	0.89	22.936	24	03.5	47.43	24	02.7	K2	GC	25726	C -4412873
90		7.1T	44 31.886	0.0016	14	-43 37 43.29	-0.018	13	0.72	31.807	22	01.3	42.37	21	98.9	K5	GC	25731	C -4312827
91	9.6E	9.5Z	44 32.434	-0.0003	12	-40 47 4.30	-0.011	12	0.86	32.450	63	98.6	3.74	57	98.6	A2	CZ	17693	P -40 8652
92		7.4T	44 46.027	-0.0009	11	-46 30 43.23	0.001	09	0.45	46.066	15	08.9	43.35	15	06.4	K2	GC	25733	C -4612626
93		9.4T	44 50.794	-0.0005	18	-44 20 18.33	-0.017	20	0.89	50.815	24	05.0	17.56	24	04.9	K2	GC	25738	C -4412881
94	9.4E	9.4Z	44 58.392	-0.0018	12	-49 4 58.14	0.006	12	0.70	58.473	45	04.9	58.42	45	04.9	F5	CZ	17695	P -4910749
95	9.9E	8.6Z	45 2.608	0.0016	12	-41 41 47.97	-0.016	12	0.74	2.528	45	00.1	47.15	45	00.1	F0	CZ	17698	P -41 8778
96	8.3E	7.8Z	45 6.928	-0.0015	12	-40 56 44.49	-0.049	12	0.86	7.005	63	98.6	41.98	57	98.6	K0	CZ	17699	P -41 8779
97		8.7T	45 7.145	-0.0003	18	-44 2 28.46	-0.028	18	0.88	7.158	21	03.2	27.16	21	03.4	K0	GC	25744	C -4412884
98		7.4T	45 10.266	0.0024	15	-45 19 7.40	-0.049	13	0.73	10.152	22	01.9	4.89	21	98.4	G5	GC	25747	C -4512772
99		5.6H	45 14.049	0.0022	04	-43 44 11.56	-0.017	03	0.14	13.975	07	17.2	10.99	06	16.5	A2	F4	1490	C -4312841
00	8.6E	8.0Z	45 19.903	-0.0004	12	-41 23 37.53	-0.003	12	0.66	19.923	28	99.0	37.38	26	99.0	G5	CZ	17706	P -41 8780

229300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 18H DM NUMBER
1	10.1E	9.5*	18 45 27.153	0.0000	12	-42 59 5.48	-0.040	12	0.64	27.152	28	01.6	3.54	26	01.6	F5	CZ	17708	P -43 8777
2	9.7E	9.3Z	45 33.065	0.0013	12	-45 49 32.46	-0.018	12	0.72	33.002	45	03.1	31.61	45	03.1	F8	CZ	17707	P -45 9475
3	8.7E	8.1H	45 35.788	-0.0004	12	-49 46 23.19	-0.006	12	0.70	35.805	45	04.9	22.93	45	04.9	KO	CZ	17704	P -4910753
4	9.7E	9.5Z	45 36.457	0.0009	12	-48 50 51.84	-0.037	12	0.70	36.417	45	04.9	50.18	45	04.9	F8	CZ	17705D	P*-48 9956
5	9.7E	9.0Z	45 42.061	-0.0006	12	-46 23 17.09	0.000	12	0.69	42.086	45	05.5	17.09	45	05.5	KO	CZ	17709	P -46 9494
6		5.8T	45 45.795	0.0062	13	-45 52 5.45	0.064	12	0.67	45.478	19	99.2	8.90	18	96.3	KO	GC	25758	C -4512779
7		5.6T	45 59.249	-0.0003	07	-43 29 28.79	-0.022	06	0.30	59.262	14	08.5	27.82	12	05.5	B9	GC	25766	C*-4312854
8		7.4T	46 35.271	0.0002	18	-42 16 9.26	-0.031	18	0.89	35.263	19	02.3	7.76	18	01.7	K2	GC	25779	C -4213657
9	8.4E	8.0Z	46 45.176	0.0004	12	-48 26 15.44	-0.011	12	0.63	45.159	31	03.1	14.92	28	03.1	KO	GC	17714	P -48 9961
10		8.2T	46 52.485	0.0009	20	-43 38 38.96	-0.017	20	0.91	52.443	24	05.4	38.19	24	04.9	A5	GC	25795	C -4312868
11		7.3T	46 55.415	-0.0016	17	-47 50 17.92	0.009	12	0.74	55.493	17	01.8	18.40	18	98.1	B5	GC	25798	C*-4712565
12	9.4E	9.0Z	47 4.545	0.0014	12	-45 35 46.84	-0.002	12	0.72	4.477	45	03.1	46.74	45	03.1	A5	CZ	17719	P -45 9491
13	9.7E	9.5Z	47 4.638	-0.0013	12	-44 18 29.42	-0.003	12	0.72	4.697	45	03.1	29.27	45	03.1	A0	CZ	17720	P -44 9346
14	9.7E	9.0Z	47 5.940	-0.0038	12	-49 38 38.86	-0.109	12	0.70	6.110	45	04.9	33.95	45	04.9	G0	CZ	17717	P -4910760
15	9.2E	9.0Z	47 12.087	0.0010	12	-41 55 53.37	-0.005	12	0.74	12.037	45	00.1	53.10	45	00.1	A2	CZ	17722	P -42 8511
16	8.8E	8.0Z	47 15.732	-0.0005	12	-40 27 54.12	0.004	12	0.86	15.758	63	98.6	54.33	57	98.6	KO	GC	17725	P -40 8661
17		7.8T	47 20.808	-0.0016	18	-45 5 26.55	-0.013	14	0.83	20.733	19	02.0	25.90	18	99.0	A3	GC	25812	C -4512797
18		7.0G	47 27.669	-0.0034	18	-41 7 18.76	0.002	13	0.82	27.832	24	02.5	18.88	21	98.1	B5	GC	25815K	C*-4113159
19		9.0G	47 28.579	-0.0031	20	-41 7 17.49	0.015	18	0.91	28.723	24	04.1	18.22	24	03.3		GC	25819K	C -4113159
20	8.8E	9.0Z	47 33.703	-0.0005	12	-46 29 8.25	-0.032	12	0.69	33.723	45	05.5	6.83	45	05.5	A5	CZ	17726	P -46 9503
21	8.5E	8.7H	47 37.500	0.0009	12	-49 49 59.32	-0.002	12	0.61	37.457	26	03.1	59.23	24	03.1	A0	CZ	17724	P -4910762
22		7.6T	47 41.849	-0.0014	15	-44 32 2.88	-0.106	12	0.73	41.916	22	01.2	57.32	21	97.4	G0	GC	25829	C -4412917
23	8.5E	9.0Z	47 48.933	0.0006	12	-45 54 53.49	-0.019	12	0.72	48.903	45	03.1	52.59	45	03.1	F0	CZ	17731	P -45 9498
24	8.4E	8.0Z	47 51.204	0.0016	12	-41 35 13.70	-0.050	12	0.74	51.124	45	00.1	11.18	45	00.1	G5	CZ	17735	P -41 8788
25	10.0E	9.3*	47 56.955	-0.0018	12	-47 17 8.96	0.004	12	0.61	57.040	28	03.7	9.14	26	03.7	G0	CZ	17733	P -47 9086
26	10.1E	9.4Z	47 59.320	-0.0011	12	-46 17 54.11	-0.001	12	0.64	59.367	36	05.5	54.07	36	05.5	A2	CZ	17734	P -46 9507
27		9.3T	48 4.564	-0.0016	16	-43 46 36.57	0.011	16	0.80	4.640	19	01.6	37.11	18	01.0	F0	GC	25843	C -4312892
28	9.1E	8.5Z	48 10.951	-0.0009	12	-40 38 41.14	-0.040	12	0.86	10.998	63	98.6	39.10	57	98.6	F0	CZ	17739	P -40 8664
29	8.1E	9.0Z	48 14.291	0.0034	12	-49 43 28.28	-0.044	12	0.70	14.137	45	04.9	26.30	45	04.9	F5	CZ	17736	P -4910767
30	8.6E	8.0Z	48 24.029	-0.0004	12	-44 44 45.56	0.006	12	0.63	24.050	28	02.3	45.84	26	02.3	A2	CZ	17742	P -44 9353
31		7.1T	48 30.919	-0.0030	13	-44 35 47.64	-0.008	10	0.63	31.067	22	00.2	47.22	19	97.0	KO	GC	25856	C*-4412927
32	9.0E	9.0Z	48 31.425	-0.0012	12	-48 30 3.62	-0.013	12	0.61	31.482	28	03.6	3.03	26	03.6	A0	GC	17740	P -48 9968
33		9.8T	48 33.689	0.0025	20	-44 23 42.92	0.014	22	0.97	33.576	24	05.5	43.54	24	05.7	G5	GC	25857	C -4412928
34		6.5T	48 39.983	-0.0011	06	-41 46 10.35	-0.027	05	0.25	40.028	09	09.7	9.20	09	07.7	K2	GC	25858K	C -4113180
35		8.0T	48 43.115	0.0020	20	-44 23 48.00	0.003	20	0.95	43.019	21	02.9	48.15	19	02.7	F5	GC	25860	C -4412931
36		5.5T	48 44.244	0.0019	07	-46 39 21.86	-0.001	06	0.30	44.164	12	07.0	21.83	12	01.4	M0	GC	25861	C*-4612669
37		7.2T	48 45.625	-0.0024	17	-40 58 40.86	-0.060	13	0.73	45.735	19	04.7	37.99	18	01.8	A2	GC	25863	C -4113181
38	9.5E	9.5Z	48 49.347	-0.0002	12	-41 14 17.80	0.014	12	0.69	49.357	36	00.7	18.50	36	00.7	A2	GC	17750	P -41 8796
39		8.8T	49 2.840	0.0022	22	-44 22 41.54	0.006	26	1.09	2.741	24	05.4	41.80	26	06.1	K0	GC	25866	C -4412935
40	9.6E	8.8Z	49 13.977	-0.0017	12	-49 43 4.45	0.006	12	0.70	14.052	45	04.9	4.72	45	04.9	K0	CZ	17752	P -4910772
41	9.5E	8.6*	49 14.032	-0.0003	12	-45 37 56.85	-0.016	12	0.63	14.045	28	02.6	56.09	26	02.6	KO	CZ	17755	P -45 9503
42		6.5T	49 15.379	-0.0002	15	-48 25 15.52	-0.043	08	0.64	15.390	22	02.4	13.04	19	92.0	A0	GC	25872	C -4812769
43		6.3T	49 16.996	-0.0026	15	-46 38 52.13	0.026	12	0.72	17.125	22	01.3	53.54	21	96.4	A2	GC	25873	C -4612676
44	7.9E	9.0Z	49 20.667	-0.0007	12	-49 25 2.60	-0.027	12	0.70	20.698	45	04.9	1.40	45	04.9	A2	CZ	17754	P -4910773
45	8.6E	8.0Z	49 24.676	0.0004	12	-41 17 16.17	0.004	12	0.66	24.656	28	99.0	16.38	26	99.0	F2	CZ	17760	P -41 8799
46	9.1E	9.1Z	49 29.358	-0.0009	12	-46 50 0.76	-0.026	12	0.64	29.399	36	05.5	59.60	36	05.5	A0	CZ	17759	P -46 9518
47	8.7E	9.0Z	49 30.121	-0.0003	12	-49 28 59.72	-0.015	12	0.70	30.146	45	04.9	59.05	45	04.9	A3	CZ	17757	P -4910775
48	9.6E	9.5Z	49 32.521	0.0010	12	-41 4 31.55	-0.007	12	0.74	32.471	45	00.2	31.21	45	00.2	A2	CZ	17763	P -41 8800
49	9.8E	9.5Z	49 35.804	0.0002	12	-49 31 33.32	0.005	12	0.70	35.794	45	04.9	33.55	45	04.9	F5	CZ	17758	P -4910776
50	10.1E	9.6Z	49 38.454	0.0009	12	-44 50 11.43	-0.006	12	0.72	38.414	45	02.7	11.13	45	02.7	A0	CZ	17762	P -44 9369
51	9.5E	9.5Z	18 49 55.516	0.0003	12	-40 37 28.94	-0.008	12	0.86	55.501	63	98.6	28.54	57	98.6	A3	CZ	17764	P -40 8676
52	10.7E	9.4*	50 6.276	0.0018	12	-45 2 6.11	-0.012	12	0.65	6.189	31	01.6	5.53	28	01.6		CZ	17765	P -45 9513
53	9.9E	8.5Z	50 14.032	0.0007	12	-40 27 47.37	-0.013	12	0.86	13.997	63	98.6	46.71	57	98.6	K5	CZ	17769	P -40 8680
54		7.2T	50 17.282	-0.0012	10	-47 20 11.48	-0.027	10	0.58	17.349	18	96.0	9.99	18	94.2	F5	GC	25898K	C*-4712603
55	8.7E	8.0H	50 22.352	-0.0013	12	-49 43 57.31	0.007	12	0.63	22.412	31	03.1	57.65	28	03.1	KO	CZ	17766	P -4910780
56		7.2G	50 24.700	0.0009	17	-47 19 33.16	-0.022	13	0.77	24.660	24	03.2	32.05	21	98.8	A0	GC	25900	C -4712605
57	9.7E	9.0Z	50 26.425	-0.0004	12	-40 27 48.54	-0.022	12	0.86	26.446	63	98.6	47.42	57	98.6	K2	CZ	17771	P -40 8683
58		6.6T	50 41.277	-0.0008	11	-49 56 30.25	-0.009	08	0.58	41.317	22	98.0	29.74	19	90.9	A2	GC	25907	C -5012206
59		7.0T	50 49.107	0.0018	16	-45 32 58.75	0.002	12	0.71	49.021	17	02.9	58.86	18	01.2	A0	GC	25910	C*-4512639
60	9.5E	8.7Z	50 50.695	0.0016	12	-40 53 8.87	-0.003	12	0.86	50.613	63	98.6	8.73	57	98.6	F2	CZ	17779	P -40 8685
61		7.3T	50 57.156	-0.0019	17	-49 0 41.27	-0.023	13	0.77	57.247	18	01.8	40.07	17	98.9	A0	GC	25913	C -4912399
62		9.0T	51 1.002	-0.0018	20	-42 10 49.45	-0.048	22	0.95	1.082	24	06.2	47.38	26	07.0	F2	GC	25915	C -4213733
63	9.9E	9.6Z	51 3.642	-0.0001	12	-45 19 27.49	-0.003	12	0.72	3.646	45	03.1	27.35	45	03.1	B9	CZ	17780	P -45 9522
64		8.9T	51 5.840	0.0021	17	-47 43 25.77	0.003	17	0.82	5.745	24	03.9	25.92	24	03.3	G5	GC	25916	C -4712610
65	11.8E	9.2Z	51 6.391	-0.0003	12	-47 43 19.20	0.009	12	0.69	6.405	45	05.4	19.59	45	05.4	G5	CZ	17778	P -47 9101
66		8.7T	51 8.094	0.0021	14	-43 46 44.97	-0.012	16	0.78	7.987	18	99.7	44.37	18	00.1	G5	GC	25917	C -4312941
67	8.7E	8.0Z	51 10.404	-0.0006	12	-40 38 38.91	-0.010	12	0.86	10.435	63	98.6	38.40	57	98.6	G5	CZ	17787	P -40 8689
68	10.0E	9.2*	51 14.044	-0.0002	12	-46 2 25.83	-0.014	12	0.63	14.052	31	03.2	25.17	28	03.2	A3	CZ	17783	P -46 9524
69		9.3T	51 23.597	0.0002	12	-47 41 4.69	-0.110	11	0.63	23.588	19	00.2	59.01	19	98.3	G0	GC	25922	C -4712611
70	9.8E	9.0Z	51 25.191	-0.0009	12	-41 29 51.62	0.002	12	0.74	25.235	45	00.2	51.70	45	00.2	A3	CZ	17769	P -41 8812
71	9.6E	10.0Z	51 29.276	0.0012	12	-42 1 55.17	-0.000	12	0.73	29.218	45	01.7	55.16	45	01.7	A2	CZ	17791	P -42 8529
72	9.5E	9.5Z	51 31.088	0.0011	12	-44 6 38.27	-0.017	12	0.72	31.034	45	02.7	37.45	45	02.7	F5	CZ	17790	P -44 9382
73	9.9E	9.0*	51 35.015	0.0006	12	-41 40 41.00	-0.001	12	0.66	34.985	28	99.1	40.93	26	99.1	K2	CZ	17792	P -41 8814
74		9.2T	51 41.890	-0.0047	20	-43 57 1.37	-0.023	22	0.95	42.094	24	06.3	0.38	26	07.0	F8	GC	25927	C -4412967
75	9.5E	9.3Z	51 53.829	-0.0004	12	-40 58 35.97	0.001	12	0.74	53.849	45	00.2	36.03	45	00.2	A0	CZ	17795	P -41 8818
76		8.0T	51 55.089	-0.0187	15	-43 46 0.47	-0.020	18	0.83	55.996	22	01.4	59.53	22	02.9	G0	GC	25933	C -4312953
77	9.1E	9.0Z	52 4.439	0.0012	12	-41 55 56.83	0.007	12	0.83	4.380	63	01.7	57.15	57	01.7	K0	CZ	17796	P -42 8533
78		8.5T	52 19.0633	0.0016	15	-42 11 33.25	-0.037	15	0.76	18.986	18	00.8	31.40	18	00.2	G0	GC	25947	C -4213754
79	9.1E	9.0Z	52 30.237	-0.0009	12	-45 12 31.65	0.015	12	0.65	30.280	31	01.6	32.38	28	01.6	G5	CZ	17798	P -45 9532
80		8.5T	52 36.994	0.0012	20	-44 12 42.18	-0.022	20	0.91	36.939	24	05.5	41.19	24	05.1	K0	GC	25952	C -4412978
81	8.6E	8.8Z	52 41.534	0.0014	12	-40 1 32.81	0.013	12	0.86	41.462	63	98.6	33.49	57	98.6	F0	CZ	17806	P -40 8695
82	9.5E	8.7Z	52 42.826	-0.0004	12	-41 24 54.31	-0.007	12	0.74	42.847	45	00.2	53.97	45	00.2	K0	CZ	17805	P -41 8822
83		5.4T	52 43.222	-0.0032	08	-42 46 33.02	-0.024	07	0.35	43.360	12	07.1	31.96	12	05.2	K0	GC	25956	C*-4213761
84		6.8T	52 43.543	-0.0004	09	-49 3 26.43	-0.027	07	0.37	43.560	15	07.5	25.12	14	02.1	G5	GC	25958	C*-4912417
85	9.1E	8.0Z	52 51.636	0.0006	12	-48 8 29.77	0.004	12	0.63	51.610	31	03.1	29.95	28	03.1	K2	CZ	17802	P -48 9987
86	8.5E	9.7Z	52 52.381	-0.0011	12	-40 2 20.19	-0.027	12	0.86	52.437	63	98.6	18.81	57	98.6	A2	CZ	17811	P -40 8698
87	9.7E	9.2Z	52 53.006	-0.0070	12	-43 24 50.92	-0.175	12	0.71	53.333	45	03.2	42.72	45	03.2	G0	CZ	17808	P -43 8827
88	9.8E	9.5Z	52 55.807	0.0040	12	-45 54 15.69	0.001	12	0.65	55.612	31	01.6	15.73	28	01.6	F5	CZ	17807	P -45 9535
89	9.3E	8.0Z	52 57.623	-0.0014	12	-40 38 52.56	-0.025	12	0.68	57.697	28	97.9	51.27	26	97.9	K5	CZ	17812	P -40 8699
90	10.0E	9.3*	53 0.364	0.0007	12	-44 49 38.11	-0.003	12	0.65	0.327	31	01.3	37.96	28	01.3	A0	CZ	17810	P -44 9397
91	9.6E	8.6H	53 2.400	0.0007	12	-49 54 39.94	-0.006	12	0.70	2.367	45	04.9	39.67	45	04.9	K5	CZ	17804	P -5010867
92	9.5E	9.0Z	53 7.823	0.0023	12	-49 11 14.16	-0.079	12	0.70	7.720	45	04.9	10.61	45	04.9	F8	CZ	17809	P -4910794
93	10.0E	9.3*	53 20.551	0.0011	12	-46 39 15.11	-0.032	12	0.61	20.502	28	03.7	13.63	26	03.7	F5	CZ	17814	P -46 9540
94		8.0T	53 21.866	0.0023	11	-47 38 40.78	0.000	09	0.61	21.545	21	96.6	40.79	19	91.8	K5	GC	25978	C -4712623
95		7.3T	53 25.081	0.0034	14	-47 27 26.54	-0.016	12	0.68	24.917	19	00.9	25.74	18	99.0	K2	GC	25979	C -4712624
96	9.8E	9.0Z	53 31.456	0.0000	12	-43 8 17.76	-0.040	12	0.63	31.456	26	01.0	15.80	24	01.0	K0	CZ	17817	P -43 8834
97		8.5T	53 37.868	-0.0015	11	-43 58 59.92	-0.031	08	0.56	37.945	22	97.5	58.06	19	89.7	A0	GC	25983	C -4412990
98		7.5T	53 40.805	0.0009	14	-44 22 4.78	-0.033	12	0.71	40.758	19	99.9	3.03	18	96.9	G5	GC	25987	C -4412991
99	10.2E	9.3Z	53 42.704	0.0061	12	-49 5 8.46	-0.012	12	0.70	42.430	45	04.9	7.93	45	04.9	F8	CZ	17816	P -4910799
00	10.6E	9.4*	53 53.463	0.0003	12	-49 45 8.34	0.004	12	0.63	53.448	31	03.1	8.53	28	03.1	G5	CZ	17820	P -4910801

229400 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.6E	9.5*	18 53 56.948	-0.0029	12	-40 18 20.47	-0.020	12	0.68	57.099	28	97.8	19.43	26	97.6	F2	CZ	17826	P -40 8704
2		9.2T	53 59.763	-0.0049	20	-42 10 13.09	-0.016	27	1.04	59.979	24	06.2	12.41	26	07.7	F8	GC	26001	C -4213773
3	9.2E	9.0Z	54 3.905	0.0008	12	-41 45 42.19	-0.086	12	0.74	3.265	45	00.2	37.89	45	00.2	F8	CZ	17827	P -41 8830
4	9.6E	9.1*	54 6.508	-0.0001	12	-48 44 17.38	0.000	12	0.63	6.514	31	03.1	17.39	28	03.1	A0	CZ	17823	P -48 9995
5	10.0E	8.5Z	54 7.570	-0.0008	12	-46 48 13.01	0.004	12	0.64	7.612	36	05.5	13.19	36	05.5	MA	CZ	17824	P -46 9543
6		7.2T	54 23.900	0.0003	13	-42 12 28.04	-0.028	13	0.70	23.886	18	99.6	26.58	17	97.7	K0	GC	26014	C -4213780
7	9.3K	9.0Z	54 33.666	-0.0009	12	-40 7 45.36	-0.001	12	0.86	33.712	63	98.7	45.32	57	98.7	A5	CZ	17833	P -40 8705
8	10.0K	9.0Z	54 43.859	-0.0003	12	-46 18 50.73	-0.027	12	0.63	43.871	31	03.2	49.47	28	03.2	K0	CZ	17832	P -46 9551
9	10.3E	9.4Z	55 2.103	-0.0000	12	-49 2 56.84	-0.002	12	0.70	2.104	45	04.9	56.77	45	04.9	G5	CZ	17834	P -4910807
10		6.5T	55 5.746	-0.0027	17	-48 34 27.88	0.002	11	0.75	5.877	18	01.5	27.97	21	95.8	K5P	GC	26026K	C*-4812816
11		9.1T	55 9.938	0.0019	12	-48 2 31.81	-0.002	10	0.61	9.844	22	99.7	31.71	21	95.4	G5	GC	26032	C -4812817
12	9.7E	8.0Z	55 10.487	0.0015	12	-41 8 22.18	-0.004	12	0.74	10.412	45	00.2	21.97	45	00.2	K5	CZ	17839	P -41 8832
13	9.1E	8.5Z	55 12.830	-0.0008	12	-41 38 24.01	-0.001	12	0.66	12.871	28	99.1	23.94	28	99.1	K0	CZ	17840	P -41 8833
14	8.5E	9.0Z	55 25.231	0.0003	12	-41 22 56.84	-0.008	12	0.66	25.216	28	99.2	56.44	28	99.2	A0	CZ	17841	P -41 8836
15	9.8E	8.8Z	55 26.074	0.0030	12	-49 34 17.14	-0.029	12	0.70	25.938	45	04.9	15.84	45	04.9	G0	CZ	17836	P -4910810
16	9.6E	9.0Z	55 39.848	-0.0004	12	-45 45 25.60	-0.017	12	0.69	39.864	45	05.5	24.84	45	05.5	K2	CZ	17843	P -45 9560
17		8.5B	55 49.294	-0.0114	18	-44 12 23.77	0.061	16	0.88	49.826	21	03.2	28.63	21	03.2	F5	GC	26046	C -4413018
18	10.0E	9.5Z	55 53.597	0.0009	12	-48 10 5.00	0.005	12	0.70	53.558	45	04.9	5.22	45	04.9	A5	CZ	17844	P -4810006
19	10.1E	9.3Z	56 0.807	0.0001	12	-48 29 56.32	-0.004	12	0.70	0.801	45	04.9	56.16	45	04.9	A5	CZ	17846	P -4810007
20	8.3E	8.5Z	56 3.384	-0.0064	12	-47 23 58.60	-0.019	12	0.63	3.626	31	03.1	57.71	28	03.1	G5	CZ	17848	P -47 9121
21		8.0T	56 8.353	-0.0013	16	-49 20 33.52	-0.020	11	0.70	8.415	19	02.2	32.47	18	98.6	K0	GC	26053	C -4912446
22	10.0E	8.7Z	56 11.309	-0.0028	12	-49 31 16.33	-0.005	12	0.70	11.434	45	04.9	16.10	45	04.9	K2	CZ	17849	P -4910817
23	7.3E	8.0Z	56 12.035	-0.0003	12	-40 41 32.44	-0.013	12	0.68	12.063	28	97.7	31.77	26	97.7	B9	CZ	17856	P -40 8714
24		7.8T	56 16.773	0.0025	17	-46 54 51.59	-0.010	13	0.77	16.654	17	01.4	51.10	17	99.0	A5	GC	26058	C -4712651
25	9.3E	9.0*	56 17.645	0.0026	12	-43 40 5.15	-0.097	12	0.65	17.515	28	00.9	0.37	26	00.9	F8	CZ	17855	P -43 8853
26	9.6E	8.7Z	56 21.189	-0.0007	12	-49 55 19.60	-0.019	12	0.70	21.220	45	04.9	18.75	45	04.9	K0	CZ	17851	P -5010912
27	8.2E	8.3*	56 22.356	0.0002	12	-48 39 5.64	-0.013	12	0.63	22.347	31	03.1	5.05	28	03.1	A0	CZ	17854	P -4810011
28		7.8T	56 26.486	-0.0009	15	-43 25 2.55	-0.030	16	0.78	26.530	24	02.1	1.13	24	02.4	G5	GC	26062	C -4313020
29	9.9E	9.3Z	56 28.330	-0.0003	12	-45 11 18.44	-0.040	12	0.69	28.343	45	05.5	16.65	45	05.5	F0	CZ	17858	P -45 9565
30	9.7E	9.0Z	56 28.975	-0.0022	12	-46 43 43.24	0.000	12	0.69	29.075	45	05.5	43.24	45	05.5	K0	CZ	17857	P -46 9561
31	10.1E	9.4*	56 46.472	-0.0006	12	-45 54 10.79	-0.014	12	0.63	46.498	31	03.1	10.14	28	08.1	F5	CZ	17862	P -46 9565
32		7.0T	56 51.800	-0.0029	10	-48 21 17.44	-0.020	09	0.55	51.958	18	95.6	16.28	17	91.4	K0	GC	26076	C -4812843
33	9.7E	9.0Z	56 57.101	-0.0030	12	-41 31 5.05	0.028	12	0.74	57.251	45	00.2	6.43	45	00.2	F8	CZ	17864	P -41 8843
34		8.0T	57 4.105	0.0014	16	-47 6 52.32	0.005	12	0.73	4.040	18	01.6	52.60	21	97.7	A2	GC	26085	C -4712663
35	9.4E	8.3Z	57 16.371	-0.0002	12	-41 29 18.94	0.019	12	0.74	16.381	45	00.2	19.87	45	00.2	G5	CZ	17867	P -41 8844
36	9.1E	9.1Z	57 20.216	0.0003	12	-42 14 21.38	-0.030	12	0.66	20.201	28	99.7	19.86	26	99.7	F5	CZ	17868	P -42 8557
37	9.8E	9.5Z	57 28.409	-0.0027	12	-42 53 31.59	0.020	12	0.73	28.540	45	01.2	32.56	45	01.2	A0	CZ	17872	P -42 8558
38	10.2E	9.5Z	57 31.357	0.0000	12	-46 17 34.99	-0.018	12	0.69	31.356	45	05.5	34.18	45	05.5	G0	CZ	17869	P -46 9569
39	9.2E	9.5Z	57 33.446	0.0001	12	-46 34 54.41	0.017	12	0.69	33.444	45	05.5	55.17	45	05.5	A5	CZ	17870	P -46 9570
40		8.6T	57 50.988	-0.0003	17	-42 53 46.25	-0.018	16	0.85	51.002	24	03.6	45.43	22	03.5	G5	GC	26106	C -4213835
41		7.8T	57 57.391	0.0001	17	-45 11 42.09	0.011	13	0.76	57.387	17	01.6	42.66	18	99.5	K0	GC	26110	C -4512926
42		8.8T	58 2.251	-0.0004	18	-44 10 50.73	-0.036	20	0.90	2.268	24	03.8	49.10	24	04.4	A5	GC	26113K	C*-4413051
43		8.4T	58 7.946	-0.0008	18	-43 29 52.22	-0.044	20	0.92	7.984	19	02.7	50.14	18	02.7	F5	GC	26116	C -4313040
44	9.5E	8.8*	58 30.762	-0.0127	12	-46 43 27.33	-0.109	12	0.61	31.351	28	03.7	22.29	26	03.7	A0	CZ	17877	P -46 9578
45		7.1T	58 32.501	0.0012	14	-40 44 6.96	-0.016	12	0.71	32.442	17	99.4	6.15	15	97.6	B8	GC	26123	C -4012994
46		6.4T	58 36.682	0.0043	13	-41 58 57.43	0.003	12	0.69	36.466	15	99.3	57.59	17	97.0	A2	GC	26126	C -4213839
47		8.4T	58 45.974	0.0051	20	-44 12 47.35	0.057	20	0.94	45.733	21	03.0	50.05	19	02.8	A3	GC	26133	C -4413057
48	8.3E	8.0Z	58 48.676	0.0001	12	-48 2 16.34	-0.025	12	0.65	48.673	36	05.1	15.21	36	05.1	K0	CZ	17880	P -4810020
49	9.1E	9.5Z	58 49.160	-0.0000	12	-47 52 59.07	-0.002	12	0.61	49.161	26	03.7	58.97	24	03.7	A0	CZ	17881	P -47 9145
50	9.4E	9.0Z	58 53.208	0.0004	12	-46 16 52.09	-0.002	12	0.61	53.188	28	03.7	52.00	26	03.7	F2	CZ	17884	P -46 9582
51	8.6E	8.0Z	18 58 55.067	0.0051	12	-41 20 38.80	-0.076	12	0.67	54.806	28	98.7	34.90	26	98.7	F8	CZ	17888	P -41 8852
52	9.7E	9.6*	58 59.922	-0.0015	12	-44 48 42.90	-0.018	12	0.62	59.994	28	03.3	42.05	26	03.3	A0	CZ	17887	P -44 9431
53	8.2E	8.5Z	59 7.996	0.0020	12	-42 20 22.38	-0.016	12	0.66	7.895	28	99.2	21.55	26	99.2	F5	CZ	17890D	P*-42 8570
54	8.6E	8.8Z	59 11.051	-0.0002	12	-49 24 46.19	-0.045	12	0.70	11.061	45	04.9	44.17	45	04.9	F0	CZ	17886	P -4910829
55	10.0E	9.5Z	59 17.050	-0.0003	12	-49 22 45.85	-0.007	12	0.70	17.065	45	04.9	45.54	45	04.9	A0	CZ	17889	P -4910831
56	9.8E	9.4Z	59 23.706	0.0013	12	-46 45 28.51	-0.007	12	0.64	23.650	36	05.5	28.19	36	05.5	A0	CZ	17891	P -46 9583
57	9.4E	8.8Z	59 24.135	-0.0034	12	-45 47 22.45	-0.020	12	0.69	24.285	45	05.4	21.56	45	05.4	B9	CZ	17894	P -45 9582
58		7.8T	59 25.233	-0.0017	16	-45 47 5.85	-0.008	12	0.74	25.315	17	01.0	5.44	18	97.5	B9	GC	26160K	C*-4512940
59		6.9T	59 27.103	-0.0014	15	-47 7 23.47	-0.118	10	0.68	27.174	19	01.0	17.17	18	96.5	K0	GC	26162	C -4712692
60	9.5E	9.0Z	59 32.564	0.0004	12	-40 8 58.76	-0.041	12	0.86	32.543	63	98.7	56.66	57	98.7	A2	CZ	17898	P -40 8736
61		4.9T	59 34.512	0.0049	07	-42 10 5.43	-0.051	06	0.29	34.319	14	10.3	3.16	12	05.6	A0	GC	26165	C*-4213855
62	10.0E	9.4*	59 39.064	0.0025	12	-49 31 22.08	-0.031	12	0.63	38.946	31	03.1	20.63	28	03.1	F8	CZ	17896	P -4910833
63	8.9E	9.0Z	59 50.265	0.0001	12	-42 20 22.77	0.004	12	0.74	50.260	45	00.2	22.95	45	00.2	F2	CZ	17906	P -42 8578
64		8.7T	59 53.179	0.0029	17	-48 47 9.15	-0.064	17	0.81	53.046	24	04.3	6.16	24	03.6	K0	GC	26178	C -4812866
65	9.9E	8.5Z	59 59.561	-0.0006	12	-47 4 38.59	0.002	12	0.69	59.589	45	05.4	38.68	45	05.4	K2	CZ	17904	P -47 9149
66	10.4E	9.4*	19 0 4.921	0.0108	12	-46 56 8.09	0.031	12	0.63	4.416	31	03.1	9.56	28	03.1	G5	CZ	17905	P -4910835
67		7.7T	0 9.939	0.0015	10	-46 37 23.14	-0.015	08	0.42	9.876	14	06.3	22.47	14	04.4	A0	GC	26186	C -4612776
68		8.3T	0 19.598	-0.0108	22	-40 19 32.21	-0.010	22	1.07	20.107	18	03.1	31.75	17	02.7	G5	GC	26191	C -4013018
69	9.9E	9.5Z	0 36.612	0.0037	12	-49 8 46.78	-0.004	12	0.70	36.446	45	04.9	46.62	45	04.9	G0	CZ	17910	P -4910837
70	9.9E	9.0Z	0 37.121	0.0020	12	-48 9 12.13	-0.010	12	0.70	37.032	45	04.9	11.67	45	04.9	K2	CZ	17912	P -4810026
71	10.2E	9.0Z	0 45.367	0.0003	12	-49 43 50.36	-0.038	12	0.70	45.353	45	04.9	48.65	45	04.9	K2	CZ	17914	P -4910838
72		6.6T	0 53.378	0.0019	10	-48 28 43.54	-0.026	08	0.53	53.376	18	95.4	42.08	17	93.3	G5	GC	26201	C*-4812876
73	9.2E	8.0Z	1 3.922	0.0021	12	-47 37 27.03	-0.006	12	0.63	3.626	31	03.1	26.74	28	03.1	K0	CZ	17917	P -47 9160
74		9.1T	1 8.598	-0.0009	12	-48 43 36.87	-0.048	10	0.61	8.643	22	99.7	36.23	21	95.4	F2	GC	26208	C -4812878
75	9.7E	9.5Z	1 23.038	-0.0017	12	-43 6 38.16	-0.003	12	0.64	23.121	28	01.0	38.01	26	01.0	A0	CZ	17920	P -43 8894
76	9.5E	9.0Z	1 28.161	0.0019	12	-45 12 43.81	0.021	12	0.63	28.072	31	03.1	44.79	28	03.1	F8	CZ	17921	P -45 9601
77	9.7E	8.7Z	1 28.942	0.0024	12	-46 35 54.87	-0.023	12	0.69	28.837	45	05.5	53.84	45	05.5	K0	CZ	17919	P -46 9600
78		8.5T	1 29.727	0.0041	20	-43 56 26.87	-0.013	18	0.91	29.533	19	03.1	26.26	18	03.1	B9	GC	[illegible]	C -4413095
79	9.8E	9.2Z	1 47.956	-0.0004	12	-42 17 24.76	0.008	12	0.66	47.977	28	99.0	25.15	26	99.0	F0	CZ	17925	P -42 8589
80	8.6E	8.3*	1 49.915	0.0004	12	-49 27 55.14	-0.014	12	0.63	49.898	31	03.1	54.48	28	03.1	A3	CZ	17924	P -4910844
81	8.9E	9.0Z	1 56.099	0.0005	12	-41 48 51.16	0.010	12	0.75	56.074	45	99.2	51.65	45	99.2	F5	CZ	17927	P -41 8874
82	10.7E	9.8*	2 2.792	-0.0001	12	-43 41 23.25	0.009	12	0.65	2.795	28	00.9	23.68	26	00.9	A0	CZ	17929	P -43 8898
83	10.1E	9.4Z	2 2.921	0.0011	12	-48 28 35.22	-0.026	12	0.70	2.869	45	04.9	34.06	45	04.9	G0	CZ	17926	P -4810035
84	9.4E	8.0Z	2 7.014	0.0011	12	-46 6 24.98	-0.004	12	0.69	6.963	45	05.5	24.81	45	05.5	G5	CZ	17928	P -46 9605
85	10.2E	9.5Z	2 16.347	-0.0025	12	-47 38 0.54	-0.043	12	0.69	16.460	45	05.4	58.62	45	05.4	F5	CZ	17930	P -47 9165
86	9.1E	9.0Z	2 18.321	0.0004	12	-48 14 25.11	-0.006	12	0.70	18.304	45	04.9	24.84	45	04.9	A0	CZ	17931	P -4810038
87	9.7E	9.1H	2 24.771	0.0023	12	-44 57 30.85	-0.089	12	0.69	24.667	45	05.4	26.87	45	05.4	F8	CZ	17932	P -45 9605
88		9.6T	2 39.814	0.0032	20	-43 57 48.60	-0.042	22	0.95	39.673	24	06.3	46.79	26	07.0	F5	GC	26246	C -4413107
89	10.2E	9.1*	2 43.424	0.0005	12	-48 1 29.67	-0.030	12	0.63	43.402	31	03.1	28.26	28	03.1	F5	CZ	17934	P -4810043
90		8.5T	2 45.872	0.0004	20	-46 1 42.89	0.008	16	0.87	45.852	17	03.1	43.29	19	01.4	F8	GC	26258	C -4612804
91	8.6E	9.0Z	3 0.184	-0.0013	12	-40 4 40.48	-0.019	12	0.86	0.251	63	98.7	39.52	57	98.7	F0	CZ	17939	P -40 8767
92		8.4T	3 4.667	0.0043	20	-49 4 47.56	-0.062	20	0.91	4.475	24	05.5	44.76	24	05.1	K2	GC	26267	C -4912498
93		6.1T	3 9.662	0.0016	08	-48 22 37.00	-0.012	07	0.32	9.600	12	10.5	36.48	12	06.1	A0	GC	26272	C -4812901
94		7.0T	3 10.547	-0.0002	14	-42 53 30.48	-0.044	12	0.71	10.557	18	99.8	28.18	17	97.5	K0	GC	26273	C -4313110
95		7.5T	3 14.442	0.0009	14	-41 37 3.72	-0.024	13	0.71	14.399	17	00.3	2.46	17	97.9	M8	GC	26276	C -4113323
96	10.1E	9.0Z	3 15.457	-0.0006	12	-40 35 46.07	-0.027	12	0.67	15.489	28	98.2	44.67	26	98.2	K0	CZ	17944	P -40 8768
97	8.9I		3 17.992	0.0011	17	-46 2 54.39	0.000	13	0.77	17.938	18	02.5	54.40	21	98.9	M0	GC	26277X	C*-4612809
98		9.3T	3 24.352	0.0012	20	-44 15 0.15	-0.039	22	0.95	24.298	24	06.3	58.47	26	07.0	F0	GC	26280	C -4413119
99		7.9T	3 32.102	-0.0005	16	-44 18 15.55	-0.013	13	0.76	32.125	19	01.4	14.88	18	98.8	K2	GC	26284	C -4413121
00		7.4T	3 38.410	-0.0005	17	-47 36 40.87	0.002	13	0.78	38.436	17	01.5	40.98	18	98.9	A3	GC	26286	C -4712735

229500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 19H DM NUMBER
1		9.2T	19 3 41.761	0.0034	12	-49 6 22.07	0.006	11	0.63	41.588	22	99.2	22.36	22	97.6	F5	GC	26288	C -4912504
2	9.9E	9.2Z	3 46.787	-0.0009	12	-43 11 8.27	-0.030	12	0.63	46.830	26	01.1	6.80	24	01.1	A3	CZ	17949	P -43 8910
3		9.0T	4 5.782	-0.0017	20	-42 59 47.58	-0.051	28	1.07	5.857	24	06.2	45.43	26	07.7	G0	GC	26303	C -4313123
4	8.9E	8.4*	4 12.054	0.0009	12	-45 24 32.18	0.004	12	0.61	12.012	28	03.7	32.36	26	03.7	F2	CZ	17952	P -45 9616
5	10.1E	9.5Z	4 14.298	0.0027	12	-44 20 19.32	-0.003	12	0.70	14.179	45	05.0	19.17	45	05.0	F8	CZ	17953	P -44 9467
6	9.7E	9.3*	4 25.518	0.0008	12	-48 12 16.87	-0.044	12	0.63	25.481	31	03.1	14.80	28	03.1	G5	CZ	17954	P -4810059
7	10.3E	9.8*	4 31.906	0.0012	12	-46 25 46.50	-0.020	12	0.63	31.851	31	03.2	45.57	28	03.2	A2	CZ	17957	P -46 9622
8	10.4E	9.3*	4 33.542	0.0008	12	-47 6 29.90	-0.030	12	0.61	33.506	28	03.7	28.50	26	03.7	A3	CZ	17958	P -47 9183
9	8.6E	8.0Z	4 35.983	-0.0017	12	-49 23 26.40	-0.007	12	0.63	36.063	31	03.1	26.08	28	03.1	K0	CZ	17956	P -4910862
10	8.8E	8.5Z	4 38.798	0.0007	12	-41 40 55.20	0.018	12	0.75	38.762	45	99.1	56.10	45	99.1	G0	CZ	17961	P -41 8894
11	10.0E	9.5Z	4 43.603	0.0019	12	-48 31 20.16	0.000	12	0.70	43.517	45	04.9	20.17	45	04.9	F8	CZ	17959	P -4810062
12	9.8E	10.0Z	4 46.852	0.0017	12	-48 52 47.55	-0.022	12	0.70	46.775	45	04.9	46.57	45	04.9	A0	CZ	17960	P -4810063
13		4.7T	4 52.193	0.0032	05	-40 34 34.10	-0.025	04	0.25	52.052	10	05.3	32.82	10	98.1	K0	GC	26322	C*-4013061
14	10.0E	9.5Z	4 58.812	0.0007	12	-44 4 25.04	0.013	12	0.70	58.783	45	05.0	25.62	45	05.0	F2	CZ	17964	P -44 9473
15	9.2E	7.9H	5 4.680	0.0009	12	-45 9 23.22	0.014	12	0.69	4.640	45	05.4	23.84	45	05.4	K0	CZ	17966	P -45 9620
16	9.0E	9.5Z	5 9.983	-0.0001	12	-41 33 49.22	-0.000	12	0.67	9.987	28	98.3	49.20	26	98.3	B9	CZ	17969	P -41 8901
17	7.7E	7.9H	5 11.860	-0.0013	12	-40 2 24.51	-0.005	12	0.86	11.926	63	98.5	24.27	57	98.5	B9	CZ	17971	P -40 8784
18	9.9E	9.0Z	5 15.786	0.0019	12	-44 32 28.42	0.014	12	0.64	15.698	31	02.8	29.07	28	02.8	F8	CZ	17968	P -44 9475
19	10.4E	9.0Z	5 16.016	0.0014	12	-48 42 51.97	-0.035	12	0.70	15.953	45	04.9	50.41	45	04.9	K2	CZ	17967	P -4810064
20		7.7T	5 17.968	0.0010	10	-42 30 24.17	-0.118	08	0.43	17.925	14	06.8	18.80	14	04.3	K0	GC	26332	C -4213922
21		8.5T	5 35.468	-0.0003	18	-43 53 52.13	-0.017	18	0.89	35.481	19	02.6	51.31	18	02.1	K0	GC	26342	C -4413146
22	9.6E	8.0Z	5 43.233	-0.0013	12	-41 20 40.10	-0.019	12	0.75	43.299	45	99.1	39.14	45	99.1	MA	CZ	17978	P -41 8907
23		8.2T	5 48.072	-0.0018	17	-44 17 46.21	-0.016	13	0.73	48.152	19	04.7	45.45	18	01.8	F2	GC	26350	C -4413150
24	10.1E	10.0Z	5 50.445	0.0016	12	-46 50 59.45	-0.006	12	0.69	50.375	45	05.5	59.18	45	05.5	A2	CZ	17975	P -46 9632
25	10.0E	9.5Z	5 58.829	0.0000	12	-49 15 59.90	-0.059	12	0.70	58.828	45	04.9	57.25	45	04.9	K0	CZ	17976	P -4910873
26	10.1E	9.2Z	6 0.747	0.0000	12	-48 32 38.07	-0.045	12	0.70	0.747	45	04.9	36.05	45	04.9	G0	CZ	17979	P -4810068
27	9.1E	8.5Z	6 3.498	0.0011	12	-48 45 18.36	-0.036	12	0.63	3.445	31	03.1	16.69	28	03.1	G0	CZ	17980	P -4810069
28	10.1E	9.2Z	6 6.776	-0.0047	12	-48 33 39.73	-0.473	12	0.70	6.987	45	04.9	18.42	45	04.9	G0	CZ	17981	P -4810070
29		8.4T	6 23.243	-0.0022	12	-49 23 44.23	-0.032	12	0.65	23.351	22	00.7	42.58	22	99.0	K2	GC	26373	C -4912530
30	9.2E	9.0H	6 24.401	0.0002	12	-40 1 18.45	-0.009	12	0.68	24.390	28	97.8	17.99	26	97.8	A0	CZ	17986	P -40 8798
31		5.9T	6 26.537	0.0009	13	-41 58 25.92	-0.018	12	0.68	26.491	15	97.8	24.94	15	95.7	B5	GC	26375	C*-4213933
32		9.2T	6 50.500	0.0045	20	-42 48 39.79	-0.035	20	0.91	50.300	24	05.5	38.23	24	05.2	K0	GC	26388	C -4213943
33	9.9E	9.0Z	6 50.582	0.0168	12	-45 46 24.94	-0.094	12	0.63	49.796	31	03.1	25.53	28	03.1	G5	CZ	17989	P -45 9627
34	9.3E	9.0Z	6 54.466	0.0008	12	-42 22 39.14	-0.018	12	0.74	54.428	45	00.7	38.24	45	00.7	A5	CZ	17990	P -42 8626
35	9.8E	8.5Z	7 10.428	0.0006	12	-48 51 42.03	-0.012	12	0.70	10.401	45	04.9	41.50	45	04.9	G5	CZ	17991	P -4810075
36	9.3E	8.8H	7 22.708	-0.0001	12	-49 53 12.51	-0.042	12	0.63	22.711	31	03.1	10.55	28	03.1	A0	CZ	17992	P -5010984
37	9.9E	9.0Z	7 24.361	-0.0005	12	-45 4 55.14	-0.006	12	0.63	24.385	31	03.2	54.85	28	03.2	F2	CZ	17994	P -45 9628
38	9.6E	7.5Z	7 28.288	-0.0014	12	-47 41 22.50	-0.029	12	0.63	28.354	31	03.1	21.13	28	03.1	K2	CZ	17993	P -47 9197
39	9.7E	8.5Z	7 45.484	0.0005	12	-41 11 38.96	-0.008	12	0.67	45.458	28	98.3	39.38	26	98.3	G5	CZ	17995	P -41 8930
40	10.5E	9.6*	7 55.729	0.0018	12	-43 34 19.02	-0.002	12	0.64	55.643	28	01.3	18.91	26	01.3	F5	CZ	17997	P -43 8926
41	9.6E	8.3Z	7 59.282	-0.0005	12	-46 57 51.82	-0.008	12	0.64	59.306	36	05.4	51.46	36	05.4	K5	CZ	17996	P -47 9202
42	9.1E	9.0H	8 2.516	-0.0018	12	-45 2 34.23	0.012	12	0.64	2.596	36	05.5	34.77	36	05.5	A2	CZ	17999	P -45 9635
43	9.9E	8.2Z	8 15.274	-0.0015	12	-49 24 31.37	-0.015	12	0.70	15.341	45	04.9	30.71	45	04.9	K5	CZ	18001	P -4910888
44	9.2E	8.2Z	8 16.735	-0.0021	12	-46 13 42.15	-0.006	12	0.61	16.833	28	03.8	41.87	26	03.8	K2	CZ	18004	P -46 9642
45	10.3E	9.3*	8 23.519	0.0016	12	-46 46 0.79	-0.007	12	0.61	23.447	28	03.8	0.47	26	03.8	A2	CZ	18005	P -46 9643
46	9.6E	9.0Z	8 24.315	-0.0007	12	-41 35 25.21	0.004	12	0.65	24.350	26	99.2	25.39	24	99.2	K0	CZ	18007	P -41 8938
47	10.4E	9.5*	8 28.379	0.0019	12	-48 25 20.77	-0.010	12	0.61	28.293	28	03.6	20.32	26	03.6	A5	CZ	18006	P -4810082
48	11.1E	9.5*	8 29.642	0.0008	12	-44 0 29.67	-0.000	12	0.62	29.607	28	03.3	29.66	26	03.3	F5	CZ	18008	P -44 9502
49	10.9E	9.5H	8 32.449	0.0005	12	-44 43 1.31	0.028	12	0.62	32.428	28	03.3	2.61	26	03.3	K2	CZ	18009	P -44 9503
50	9.7E	8.2Z	9 2.444	-0.0007	12	-47 14 21.27	-0.009	12	0.64	2.476	36	05.4	20.87	36	05.4	K0	CZ	18012	P -47 9206
51	8.8E	8.5Z	19 9 3.202	0.0004	12	-45 21 17.02	-0.012	12	0.61	3.184	28	03.8	16.46	26	03.8	G5	CZ	18013	P -45 9640
52	9.0E	8.6*	9 10.277	0.0224	12	-49 59 16.86	-0.029	12	0.63	9.232	31	03.4	15.51	28	03.4	G5	CZ	18011	P -5010997
53	9.7E	8.0Z	9 17.157	-0.0005	12	-47 14 45.82	-0.006	12	0.64	17.181	36	05.4	45.55	36	05.4	B8	CZ	18015	P -47 9208
54	9.5E	9.5Z	9 25.621	0.0007	12	-43 41 11.78	-0.018	12	0.71	25.590	45	03.1	10.92	45	03.1	F0	CZ	18021	P -43 8933
55	8.6E	8.0Z	9 28.321	0.0040	12	-47 4 19.02	0.001	12	0.64	28.143	36	05.4	19.07	36	05.4	K0	CZ	18016	P -47 9210
56	9.9E	9.2Z	9 34.154	0.0006	12	-47 59 6.02	-0.030	12	0.65	34.128	36	05.1	4.66	36	05.1	A5	CZ	18019	P -4810086
57	9.6E	9.5Z	9 35.838	-0.0011	12	-40 52 8.90	-0.040	12	0.86	35.895	63	98.5	6.85	57	98.5	F0	CZ	18022D	P*-40 8833
58	8.9E	8.7*	9 38.838	0.0034	12	-49 14 34.28	-0.062	12	0.63	38.678	31	03.1	31.38	28	03.1	F8	CZ	18020	P -4910894
59	8.3E	8.0Z	9 43.744	-0.0034	12	-40 49 36.10	-0.027	12	0.68	43.922	28	97.6	34.69	26	97.6	K0	CZ	18023	P -40 8835
60		8.3T	9 49.343	-0.0021	18	-43 4 14.17	0.020	18	0.90	49.444	19	02.2	15.15	18	01.6	K0	GC	26458	C -4313201
61	9.4E	9.5Z	9 56.875	0.0005	12	-42 44 31.84	-0.014	12	0.73	56.849	45	01.7	31.16	45	01.7	A	CZ	18026	P -42 8662
62	8.5E	8.0Z	9 58.149	0.0018	12	-47 13 2.52	-0.075	12	0.63	58.066	31	03.1	-59.00	28	03.1	F8	CZ	18024	P -47 9212
63	9.0E	9.0Z	10 0.308	0.0006	12	-42 38 47.63	-0.020	12	0.65	0.277	28	00.0	46.63	26	00.0	A2	CZ	18027	P -42 8663
64		8.9T	10 4.725	-0.0012	20	-43 19 36.43	-0.065	22	0.95	4.778	24	06.2	33.64	26	07.0	B9	GC	26462K	C -4313204
65	9.7E	9.5Z	10 9.969	0.0002	12	-43 46 50.84	-0.020	12	0.64	9.961	28	01.1	49.85	26	01.1	A3	CZ	18031	P -43 8941
66	9.4E	9.4Z	10 12.221	0.0000	12	-42 29 58.21	-0.011	12	0.73	12.219	45	01.7	57.68	45	01.7	B9	CZ	18032	P -42 8667
67	9.0E	8.5Z	10 12.408	0.0004	12	-47 26 21.04	-0.029	12	0.69	12.391	45	05.4	19.75	45	05.4	F8	CZ	18028	P -47 9214
68	8.6E	8.0Z	10 12.733	0.0007	12	-47 26 38.68	-0.028	12	0.69	12.703	45	05.4	37.43	45	05.4	F8	CZ	18029	P -47 9215
69	9.5E	9.0Z	10 22.573	0.0039	12	-43 21 59.15	-0.122	12	0.71	22.389	45	03.1	53.43	45	03.1	G5	CZ	18033D	P*-43 8942
70	9.0E	8.5Z	10 25.328	-0.0010	12	-42 39 22.11	0.020	12	0.73	25.375	45	01.7	23.07	45	01.7	K0	CZ	18035	P -42 8670
71		9.2T	10 39.134	0.0007	18	-44 27 34.52	-0.014	17	0.85	39.100	19	03.2	33.86	19	02.5	G0	GC	26474	C -4413202
72		9.7T	10 53.543	-0.0023	12	-49 37 29.77	-0.005	10	0.61	53.657	22	99.7	30.06	21	95.4	K0	GC	26481	C -4912560
73		6.0T	11 1.582	0.0056	08	-45 16 47.78	-0.034	06	0.34	1.325	09	03.9	46.15	09	01.6	K0	GC	26485	C -4513054
74		6.9T	11 13.744	-0.0010	16	-49 2 59.77	0.010	09	0.67	13.792	17	01.3	+ 0.30	18	95.0	K0	GC	26493	C -4912562
75	8.4E	8.0Z	11 26.397	-0.0011	12	-40 26 34.28	-0.030	12	0.68	26.455	28	97.7	32.72	26	97.7	K0	CZ	18042	P -40 8853
76	9.6E	10.0Z	11 27.729	0.0010	12	-42 24 58.13	-0.007	12	0.65	27.678	28	00.0	57.77	26	00.0	A3	CZ	18040	P -42 8685
77	8.0E	8.0Z	11 29.923	-0.0018	12	-47 57 45.88	-0.072	12	0.62	30.008	28	03.1	42.49	26	03.1	G5	CZ	18039	P -4810097
78	9.7E	9.2Z	11 36.544	0.0014	12	-45 29 54.83	0.008	12	0.69	36.483	45	05.6	55.18	45	05.6	F8	CZ	18041	P -45 9657
79	10.8E	9.0Z	11 54.110	-0.0006	12	-46 15 24.36	-0.005	12	0.65	54.140	31	03.2	24.13	28	03.2	K0	CZ	18043	P -46 9665
80	9.9E	9.1*	12 17.244	0.0001	12	-47 33 4.14	-0.012	12	0.63	17.240	31	03.1	3.57	28	03.1		CZ	18047	P -47 9224
81	9.4E	8.5Z	12 20.230	0.0071	12	-41 11 51.88	-0.053	12	0.74	19.876	45	00.1	49.25	45	00.1	G5	CZ	18049	P -41 8976
82	8.0E	8.2Z	12 32.354	-0.0010	12	-48 33 16.77	-0.035	12	0.70	32.398	45	04.9	15.21	45	04.9	F8	CZ	18048	P -4810104
83	9.7E	8.6Z	12 42.638	-0.0007	12	-49 18 33.31	-0.019	12	0.70	42.669	45	04.9	32.47	45	04.9	K0	CZ	18051	P -4910909
84		5.3T	12 43.486	-0.0002	06	-45 33 19.21	0.005	06	0.29	43.493	12	08.3	19.45	12	03.6	K0	GC	26526	C*-4513072
85	10.2E	9.4*	12 45.369	0.0031	12	-40 9 28.96	-0.143	12	0.68	45.208	28	98.0	21.53	26	98.0	G5	CZ	18055	P -40 8869
86	9.9E	10.0Z	12 53.099	0.0009	12	-43 28 44.25	0.003	12	0.64	53.056	28	01.0	44.38	26	01.0	F5	CZ	18057	P -43 8957
87		8.7T	12 54.793	0.0001	18	-41 38 42.34	-0.041	22	0.98	54.789	19	02.7	40.40	19	03.0	K2	GC	26532	C -4113420
88		8.9T	12 57.195	0.0056	20	-41 41 25.94	-0.022	28	1.07	56.951	24	06.2	25.00	26	07.7	K2	GC	26535	C -4113421
89	7.9E	7.8Z	13 4.173	-0.0007	12	-48 43 23.64	-0.002	12	0.63	4.205	31	03.1	23.52	28	03.1	F2	CZ	18056	P -4810107
90	9.6E	9.2H	13 12.309	0.0007	12	-44 49 9.66	0.025	12	0.61	12.279	26	03.3	10.83	24	03.3	F8	CZ	18059	P -44 9528
91	8.6E	8.5Z	13 37.682	0.0004	12	-49 42 10.25	-0.016	12	0.63	37.661	31	03.1	9.50	28	03.1	A0	CZ	18061	P -4910915
92	10.7E	9.0Z	13 40.173	0.0066	12	-46 46 22.39	-0.049	12	0.61	39.869	28	03.8	20.13	26	03.8	F8	CZ	18063	P -46 9676
93		7.4T	13 45.040	0.0003	17	-45 30 46.97	-0.095	13	0.77	45.024	18	02.0	42.07	21	98.2	A5	GC	26555	C -4513086
94		8.7T	13 45.412	0.0038	13	-49 33 6.94	-0.062	14	0.71	45.227	24	01.8	3.96	22	01.6	A0	GC	26556	C -4912584
95	9.1E	8.4Z	13 45.891	-0.0007	12	-49 9 23.30	-0.019	12	0.70	45.922	45	04.9	22.46	45	04.9	K2	CZ	18064	P -4910918
96	9.1E	8.5Z	13 47.096	-0.0017	12	-40 9 51.78	-0.043	12	0.68	47.186	28	97.7	49.53	26	97.7	K0	CZ	18068	P -40 8881
97	10.3E	8.5Z	13 48.687	0.0009	12	-47 24 40.57	-0.009	12	0.64	48.649	36	05.4	40.17	36	05.4	K2	CZ	18065	P -47 9233
98	9.1E	9.2Z	13 53.260	0.0007	12	-42 46 17.09	0.003	12	0.64	53.224	26	00.5	17.23	24	00.5	A3	CZ	18070	P -42 8711
99	9.9E	9.2Z	14 4.764	0.0002	12	-49 47 58.37	-0.001	12	0.70	4.753	45	04.9	58.32	45	04.9	K0	CZ	18067	P -4910919
00	10.2E	9.4Z	14 6.622	-0.0008	12	-48 57 19.23	0.008	12	0.70	6.657	45	04.9	19.60	45	04.9		CZ	18069	P -4910920

229600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 19H DM NUMBER
1	8.0E	8.4*	19 14 16.180	-0.0006	12	-48 11 28.57	-0.017	12	0.63	16.209	31	03.1	27.77	28	03.1	B8	CZ	18071	P -4810116
2		7.5T	14 17.304	-0.0007	17	-47 9 54.62	-0.011	13	0.77	17.340	17	02.1	54.07	18	99.0	B9	GC	26577	C -4712828
3	9.2E	8.0Z	14 22.498	-0.0010	12	-45 42 55.26	-0.006	12	0.61	22.547	28	03.6	54.98	26	03.6	K5	CZ	18073	P -45 9671
4	10.1E	9.6Z	14 29.621	-0.0007	12	-46 27 17.03	-0.038	12	0.69	29.654	45	05.6	15.35	45	05.6	F2	CZ	18078	P -46 9681
5	9.3E	8.5Z	14 30.632	-0.0013	12	-47 28 6.05	-0.001	12	0.61	30.694	28	03.7	6.00	26	03.7	F0	CZ	18076	P -47 9236
6	9.4E	8.3H	14 33.228	-0.0010	12	-49 43 12.92	-0.013	12	0.70	33.271	45	04.9	12.34	45	04.9	K0	CZ	18074	P -4910924
7	10.2E	9.4Z	14 34.650	0.0004	12	-48 48 2.49	0.001	12	0.70	34.632	45	04.9	2.55	45	04.9	F5	CZ	18077	P -4810118
8	10.2E	9.2H	14 36.140	-0.0019	12	-49 45 25.54	-0.009	12	0.70	36.224	45	04.9	25.14	45	04.9	K2	CZ	18075	P -4910825
9		9.6T	14 39.246	0.0012	20	-44 42 34.09	-0.001	22	0.96	39.191	24	05.6	34.06	24	05.9	K2	GC	26506	C*-4413340
10		8.7T	15 10.427	0.0002	20	-44 21 25.28	0.044	22	0.95	10.417	24	06.3	27.17	26	07.0	G5	GC	26596	C -4413344
11	10.5E	9.7*	15 20.719	0.0015	12	-44 13 31.16	0.001	12	0.64	20.650	31	02.6	31.19	28	02.6	F8	CZ	18084	P -44 9541
12	9.1E	8.0Z	15 24.363	0.0005	12	-48 30 53.89	-0.007	12	0.70	24.339	45	04.9	53.58	45	04.9	K0	CZ	18082D	P*-4810122
13	8.3E	7.5Z	15 29.222	0.0017	12	-46 7 3.59	-0.032	12	0.63	29.145	31	03.2	2.10	28	03.2	K2	CZ	18085	P -46 9687
14	8.1E	8.5Z	15 30.054	0.0004	12	-41 23 55.22	-0.003	12	0.66	30.034	28	99.0	55.08	26	99.0	A0	CZ	18089	P -41 9011
15	9.8E	9.0Z	15 30.476	0.0019	12	-49 0 0.21	0.004	12	0.63	30.387	31	03.1	0.41	28	03.1	A3	CZ	18083	P -4910931
16	10.9E	9.0Z	15 42.275	0.0007	12	-43 34 35.42	-0.003	12	0.64	42.242	28	01.1	35.26	26	01.1	MA	CZ	18090	P -43 8968
17	9.2E	8.5Z	15 53.108	-0.0012	12	-41 30 6.91	0.008	12	0.74	53.168	45	00.1	7.28	45	00.1	K0	CZ	18091	P -41 9013
18		8.5T	15 55.083	0.0048	15	-41 6 4.52	-0.005	15	0.76	54.851	19	01.3	4.29	18	01.0	A2	GC	26620	C -4113450
19	8.3E	8.5Z	16 2.042	0.0070	12	-42 9 27.66	-0.010	12	0.65	1.694	28	00.3	27.14	26	00.3	G0	CZ	18093	P -42 8731
20		10.2T	16 28.157	-0.0012	20	-44 36 22.51	-0.045	22	0.96	28.208	24	05.6	20.53	24	05.9	K0	GC	26634	C -4413259
21	10.6E	9.7*	16 28.737	-0.0000	12	-47 36 26.95	0.017	12	0.63	28.737	31	03.1	27.74	28	03.1	G0	CZ	18094	P -47 9241
22	9.6E	9.0Z	16 34.035	0.0013	12	-48 7 22.13	0.002	12	0.70	33.977	45	04.9	22.22	45	04.9	F0	CZ	18095	P -4810129
23	10.2E	9.3Z	16 35.500	-0.0014	12	-45 55 54.58	0.000	12	0.69	35.564	45	05.6	54.58	45	05.6	A2	CZ	18096	P -46 9691
24	9.3E	9.0Z	16 55.177	0.0004	12	-40 13 59.86	-0.026	12	0.86	55.157	63	98.7	58.53	57	98.7	A0	CZ	18104	P -40 8918
25	11.5E	10.1Z	16 58.957	0.0001	12	-49 37 34.76	-0.038	12	0.70	58.950	45	04.9	33.06	45	04.9	F0	CZ	18098	P -4910939
26	10.7E	9.4Z	16 59.797	-0.0002	12	-49 37 28.17	-0.044	12	0.70	59.804	45	04.9	26.19	45	04.9	F0	CZ	18099	P -4910939
27	8.7E	9.0Z	17 4.538	-0.0004	12	-42 36 36.42	0.022	12	0.73	4.556	45	01.7	37.48	45	01.7	F5	CZ	18105	P -42 8738
28	9.7E	9.2Z	17 5.770	0.0008	12	-48 59 23.58	-0.013	12	0.70	5.733	45	04.9	23.01	45	04.9	A0	CZ	18101	P -4910940
29	7.8E	7.5H	17 8.630	-0.0001	12	-40 4 58.87	-0.023	12	0.68	8.635	28	97.8	57.69	26	97.8	A2	CZ	18107	P -40 8920
30	10.2E	8.0Z	17 12.198	-0.0006	12	-48 52 43.37	-0.009	12	0.63	12.226	31	03.0	42.96	28	03.0	K2	CZ	18103	P -4910942
31	8.2E	8.5Z	17 13.079	-0.0044	12	-42 33 48.18	0.016	12	0.65	13.298	28	00.0	48.98	26	00.0	F8	CZ	18106	P -42 8740
32	9.0E	9.0Z	17 20.883	-0.0005	12	-43 24 40.43	-0.047	12	0.64	20.909	28	01.3	38.13	26	01.3	F5	CZ	18109	P -43 8973
33	9.1E	9.4Z	17 20.963	0.0027	12	-42 0 7.68	0.004	12	0.73	20.832	45	01.7	8.06	45	01.7	A0	CZ	18110D	P -42 8743
34	10.8E	11.0H	17 21.329	0.0012	12	-42 0 6.19	-0.005	12	0.73	21.270	45	01.7	5.93	45	01.7	A0	CZ	18111D	P -42 8743
35		6.7T	17 22.965	0.0041	16	-45 28 4.09	-0.033	13	0.77	22.963	17	00.6	2.39	16	97.9	M0	GC	26656	C -4513143
36		9.4T	17 32.057	-0.0022	18	-44 46 35.32	-0.052	20	0.90	32.158	21	03.4	32.94	21	04.2	F2	GC	26661	C*-4413264
37	9.0E	8.5Z	17 41.766	-0.0004	12	-43 41 59.54	-0.039	12	0.71	41.787	45	03.1	57.70	45	03.1	G5	CZ	18116	P -43 8974
38	10.6E	9.8*	17 46.753	-0.0012	12	-49 38 36.92	-0.040	12	0.63	46.808	31	03.1	35.05	28	03.1		CZ	18114	P -4910945
39	10.1E	9.6Z	17 51.911	0.0039	12	-49 5 37.89	-0.121	12	0.70	51.735	45	04.9	32.45	45	04.9	F8	CZ	18115	P -4910946
40	10.3E	9.0Z	18 1.774	-0.0002	12	-48 45 46.03	-0.016	12	0.65	1.782	36	05.1	45.32	36	05.1	G5	CZ	18117	P -4810134
41	10.4E	9.5Z	18 20.205	-0.0016	12	-46 51 36.50	-0.025	12	0.61	20.280	28	03.9	35.35	26	03.9	K0	CZ	18118	P -46 9696
42	10.1E	9.4*	18 34.361	0.0008	12	-45 43 36.35	-0.008	12	0.61	34.326	28	03.7	35.98	26	03.7	A0	CZ	18120	P -45 9696
43		6.5T	18 39.359	-0.0045	08	-42 6 40.77	-0.032	07	0.34	39.541	12	09.9	39.41	10	07.6	K0	GC	26687	C -4214133
44	9.9E	9.0Z	18 46.241	-0.0041	12	-48 47 42.55	-0.007	12	0.65	46.424	36	05.1	42.25	36	05.1	G0	CZ	18122	P -4810137
45	8.9E	8.8H	18 57.021	-0.0010	12	-40 0 17.84	-0.058	12	0.68	57.073	28	97.7	14.81	26	97.7	F5	CZ	18127	P -40 8939
46		4.3H	19 2.816	0.0006	02	-44 33 17.72	-0.018	02	0.11	2.792	06	12.2	16.98	06	09.5	B8	F4	1502	C -4413277
47		8.2T	19 5.369	0.0006	12	-44 33 10.21	-0.005	10	0.63	5.367	22	99.7	9.93	19	94.1	A3	GC	26704K	C -4413278
48	10.2E	9.8*	19 17.311	-0.0012	12	-41 24 16.44	-0.007	12	0.67	17.373	28	98.7	16.09	26	98.7	A0	CZ	18131	P -41 9054
49	8.6E	9.0Z	19 22.518	0.0006	12	-46 19 8.16	0.001	12	0.61	22.492	28	03.9	8.21	26	03.9	B9	CZ	18130	P -46 9697
50	9.5E	9.5Z	19 25.685	0.0021	12	-41 47 0.24	-0.075	12	0.67	25.577	28	98.5	-56.36	26	98.5	G0	CZ	18134	P -41 9058
51	9.0E	7.8Z	19 19 33.245	-0.0017	12	-43 18 26.86	-0.008	12	0.72	33.325	45	02.1	26.47	45	02.1	K5	CZ	18136	P -43 8983
52	10.0E	9.3*	19 36.478	0.0018	12	-48 15 19.20	-0.016	12	0.61	36.395	28	03.7	18.46	26	03.7	F0	CZ	18133	P -4810142
53	9.8E	9.3*	19 36.503	0.0015	12	-48 47 28.69	-0.017	12	0.61	36.433	28	03.6	27.91	26	03.6	A5	CZ	18132	P -4810141
54		4.5T	19 36.611	0.0091	06	-44 53 44.93	-0.052	04	0.26	36.209	10	06.0	42.12	10	95.8	F0	GC	26718	C*-4513171
55	9.6E	9.5Z	19 46.911	0.0013	12	-45 7 47.53	-0.006	12	0.64	46.849	31	03.0	47.24	28	03.0	A2	CZ	18137	P -45 9703
56	9.4E	8.9Z	19 49.353	0.0039	12	-46 4 11.68	-0.120	12	0.69	49.182	45	05.6	6.34	45	05.6	G0	CZ	18138	P -46 9699
57	10.4E	9.6*	20 13.006	-0.0003	12	-47 22 11.45	0.008	12	0.63	13.022	31	03.1	11.83	28	03.1	F0	CZ	18140	P -47 9254
58	8.4E	8.5Z	20 22.444	0.0021	12	-46 2 26.85	-0.020	12	0.69	22.352	45	05.6	25.96	45	05.6	A3	CZ	18141D	P*-46 9700
59		4.1H	20 25.492	0.0026	03	-40 42 43.10	-0.121	03	0.11	25.398	05	14.2	39.02	05	16.2	B8	F4	728	C -4013245
60		6.1T	20 47.630	0.0022	16	-43 49 14.34	-0.035	13	0.76	47.519	15	00.2	12.51	15	97.8	M0	GC	26747	C -4313352
61	9.7E	8.8Z	20 51.669	0.0004	12	-46 29 46.14	-0.010	12	0.69	51.653	45	05.6	45.70	45	05.6	K0	CZ	18144	P -46 9702
62		8.9T	20 54.036	0.0004	26	-43 7 56.27	-0.041	26	1.20	54.018	19	03.6	54.37	19	03.3	G5	GC	26750	C -4313353
63	10.1E	9.4Z	20 55.110	0.0017	12	-46 31 17.68	-0.016	12	0.69	55.035	45	05.6	16.97	45	05.6	A0	CZ	18146	P -46 9704
64	9.3E	9.0Z	20 55.876	0.0014	12	-46 1 21.08	-0.058	12	0.63	55.812	31	03.2	18.37	28	03.2	F2	CZ	18147	P -46 9706
65	10.0E	8.0Z	21 4.831	0.0010	12	-48 11 26.17	-0.000	12	0.70	4.786	45	04.9	26.17	45	04.9	K0	CZ	18148	P -4810150
66		6.9T	21 21.508	-0.0058	11	-44 17 36.55	-0.009	09	0.44	21.750	14	08.0	36.17	15	06.7	K0	GC	26763	C -4413303
67	7.9E	7.5Z	21 28.057	0.0061	12	-47 33 21.17	-0.007	12	0.63	27.772	31	03.1	20.85	28	03.1	F2	CZ	18152	P -47 9260
68	10.0E	9.3*	21 31.825	0.0021	12	-42 37 16.16	-0.007	12	0.66	31.715	28	99.4	16.51	26	99.4	F5	CZ	18154	P -42 8792
69	8.5E	8.0Z	21 47.138	0.0010	12	-45 6 40.93	-0.010	12	0.69	47.093	45	05.2	40.48	45	05.2	K2	CZ	18155	P -45 9710
70	9.6E	8.8Z	22 3.031	-0.0020	12	-46 42 58.35	-0.010	12	0.69	3.121	45	05.6	57.91	45	05.6	G0	CZ	18158	P -46 9708
71	9.5E	9.5Z	22 7.692	0.0013	12	-44 28 9.15	-0.020	12	0.65	7.627	31	01.9	8.19	28	01.9	F0	CZ	18159	P -44 9556
72		6.6T	22 9.528	-0.0242	17	-49 56 28.24	-0.071	12	0.72	10.627	19	04.5	24.78	18	01.0	K0	GC	26786	C -5012478
73	8.6E	9.0Z	22 27.507	-0.0002	12	-41 59 12.66	-0.005	12	0.66	27.517	28	99.4	12.39	26	99.4	A0	CZ	18160	P -42 8802
74	9.1E	8.5Z	22 27.759	-0.0010	12	-40 7 10.11	-0.030	12	0.68	27.811	28	97.8	8.55	26	97.8	F2	CZ	18162	P -40 8975
75	10.3E	9.4*	22 39.747	-0.0012	12	-47 15 44.62	0.007	12	0.63	39.804	31	03.1	44.95	28	03.1	F8	CZ	18161	P -47 9265
76	10.2E	9.0Z	22 58.546	-0.0003	12	-49 28 47.98	-0.025	12	0.63	58.561	31	03.2	46.82	28	03.2	A0	CZ	18164	P -4910961
77		6.5T	23 1.788	-0.0011	10	-46 40 46.99	-0.006	09	0.42	1.837	14	07.1	46.73	15	06.0	K5	GC	26817	C -4613007
78	10.0E	9.8*	23 7.119	-0.0022	12	-45 38 3.58	0.012	12	0.62	7.223	28	03.4	4.14	26	03.4	F5	CZ	18166	P -45 9716
79	8.9E	9.5Z	23 27.668	0.0017	12	-40 10 28.49	-0.024	12	0.76	27.581	45	98.7	27.26	45	98.7	F0	CZ	18172	P -40 8964
80	9.6E	9.0Z	23 30.684	-0.0022	12	-46 53 29.58	0.012	12	0.66	30.786	36	04.0	30.13	36	04.0	F5	CZ	18169	P -47 9271
81	8.7E	8.0Z	23 33.432	-0.0002	12	-48 36 45.47	-0.001	12	0.70	33.441	45	04.9	45.44	45	04.9	K0	CZ	18168	P -4810162
82	10.0E	9.1Z	23 37.909	0.0006	12	-45 19 17.61	0.000	12	0.65	37.882	36	05.0	17.61	36	05.0	K0	CZ	18171	P -45 9717
83	11.1E	9.9*	23 40.956	0.0010	12	-46 59 26.41	0.003	12	0.63	40.910	28	02.5	26.55	26	02.5	A0	CZ	18170	P -47 9273
84	9.6E	9.4*	23 42.429	0.0007	12	-45 8 30.04	-0.016	12	0.62	42.396	28	03.4	29.29	26	03.4	A0	CZ	18173	P -45 9718
85	10.0E	9.5Z	23 54.333	-0.0010	12	-41 2 16.16	0.012	12	0.75	54.383	45	99.2	16.78	45	99.2	K0	CZ	18177	P -41 9090
86	8.9E	9.0Z	23 57.458	0.0027	12	-42 22 39.13	0.025	12	0.66	57.321	28	99.4	40.37	26	99.4	F0	CZ	18178	P -42 8816
87	10.4E	9.0Z	23 58.957	0.0010	12	-49 4 3.87	-0.041	12	0.70	58.912	45	05.0	2.04	45	05.0	F8	CZ	18174	P -4910965
88	9.1E	9.0Z	24 6.826	-0.0007	12	-40 52 47.77	-0.009	12	0.86	6.861	63	98.7	47.32	57	98.7	F5	CZ	18180	P -41 9092
89	9.1E	8.7Z	24 7.102	0.0011	12	-40 37 30.94	-0.005	12	0.86	7.046	63	98.7	30.69	57	98.7	F8	CZ	18181	P -40 8994
90		7.2T	24 16.938	0.0041	16	-40 11 51.76	-0.122	13	0.76	16.740	17	01.1	45.48	17	98.4	G0	GC	26843	C -4013288
91	8.6E	8.0Z	24 23.321	0.0005	12	-42 39 43.99	-0.008	12	0.67	23.294	28	98.8	43.58	26	98.8	K0	CZ	18183	P -42 8819
92	9.5E	8.9*	24 23.474	0.0004	12	-48 48 0.89	-0.031	12	0.63	23.455	31	03.0	-59.44	28	03.0	F2	CZ	18179	P -4810166
93	9.4E	9.0Z	24 28.101	0.0004	12	-40 50 36.92	-0.005	12	0.86	28.081	63	98.7	36.66	57	98.7	F8	CZ	18187	P -40 9002
94	10.2E	9.5*	24 28.768	-0.0012	12	-41 20 33.76	-0.016	12	0.67	28.830	28	98.7	32.95	26	98.7	F5	CZ	18186	P -41 9093
95	9.6E	8.8Z	24 37.864	0.0029	12	-40 56 12.67	-0.007	12	0.67	37.715	28	98.6	12.31	26	98.6	K0	CZ	18189	P -41 9096
96		7.8T	24 42.745	-0.0024	11	-47 59 4.80	-0.016	07	0.42	42.843	15	09.6	4.07	15	03.6	K0	GC	26855	C -4813097
97	9.8E	8.5Z	24 43.532	0.0003	12	-40 33 50.09	0.000	12	0.86	43.516	63	98.7	50.10	57	98.7	K0	CZ	18193	P -40 9004
98	8.6E	8.0Z	24 47.026	0.0013	12	-46 34 38.71	-0.064	12	0.65	46.964	31	01.6	35.61	28	01.6	G5	CZ	18188	P -46 9712
99	9.3E	8.6H	24 47.571	0.0013	12	-49 59 23.75	-0.021	12	0.70	47.511	45	05.0	22.81	45	05.0	F5	CZ	18184D	P*-5011086
00		7.8T	24 48.319	-0.0118	16	-43 59 11.34	-0.107	13	0.75	48.884	18	02.0	5.79	21	98.1	F8	GC	26861K	C*-4413347

229700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 19H DM NUMBER
1	9.1E	9.0Z	19 24 52.664	0.0002	12	-43 34 17.36	-0.006	12	0.65	52.655	28	99.9	17.05	26	99.9	A2	CZ	18194	P -43 9001
2	9.0E	9.0Z	24 53.759	0.0002	12	-43 38 47.48	-0.008	12	0.73	53.751	45	01.1	47.08	45	01.1	A0	CZ	18195	P -43 9002
3	9.4E	8.4Z	25 1.832	0.0015	12	-40 24 10.63	-0.037	12	0.86	1.756	63	98.7	8.74	57	98.7	G5	CZ	18198	P -40 9009
4	9.0E	9.5Z	25 3.264	0.0003	12	-41 41 9.65	-0.000	12	0.67	3.248	28	98.5	9.63	26	98.5	F5	CZ	18197	P -41 9099
5	9.5E	8.8H	25 15.522	-0.0057	12	-49 58 31.74	-0.275	12	0.70	15.777	45	05.0	19.38	45	05.0	K0	CZ	18196	P -5011090
6	9.7E	8.2Z	25 18.863	-0.0005	12	-42 13 8.91	0.016	12	0.75	18.888	45	99.7	9.69	45	99.7	MA	CZ	18199	P -42 8828
7	9.9E	8.5Z	25 35.383	0.0005	12	-47 54 47.80	-0.019	12	0.70	35.361	45	04.9	46.94	45	04.9	K0	CZ	18200	P -4610170
8	10.3E	9.3H	25 40.967	0.0002	12	-49 53 20.53	-0.015	12	0.70	40.956	45	05.0	19.86	45	05.0	F8	CZ	18201	P -5011094
9	10.4E	9.3*	25 42.994	0.0009	12	-47 41 2.94	0.008	12	0.65	42.951	31	01.5	3.32	28	01.5	K0	CZ	18204	P -47 9287
10	9.1E	9.0Z	25 44.561	-0.0005	12	-48 39 3.22	-0.023	12	0.70	44.583	45	04.9	2.19	45	04.9	A0	CZ	18203	P -4810172
11	9.6E	9.5Z	25 46.977	0.0002	12	-41 7 18.82	-0.022	12	0.75	46.967	45	99.2	17.71	45	99.2	F0	CZ	18208	P -41 9110
12		5.8T	25 50.817	0.0087	10	-43 32 51.96	-0.134	09	0.43	50.446	12	07.5	45.93	12	05.0	A0	GC	26885	C -4313395
13	7.9E	8.0Z	25 56.102	0.0025	12	-41 2 56.42	-0.032	12	0.66	55.972	26	98.6	54.79	22	98.6	F5	CZ	18211	P -41 9111
14	9.6E	9.0*	26 2.702	-0.0062	12	-49 26 38.62	0.017	12	0.63	2.992	31	03.1	39.42	28	03.1	F8	CZ	18205	P -4910972
15	9.7E	8.5Z	26 10.682	-0.0011	12	-48 33 45.79	-0.011	12	0.70	10.732	45	04.9	45.30	45	04.9	K2	CZ	18210	P -4810174
16	10.3E	9.0Z	26 15.995	-0.0008	12	-40 46 23.20	-0.002	12	0.68	16.036	28	97.9	23.11	26	97.9	K2	CZ	18213	P -40 9023
17	9.5E	9.1Z	26 40.238	0.0009	12	-40 17 13.49	-0.040	12	0.86	40.192	63	98.7	11.44	57	98.7	A0	CZ	18216	P -40 9029
18	9.5E	9.5Z	26 44.494	0.0005	12	-48 24 31.73	-0.030	12	0.70	44.473	45	04.9	30.40	45	04.9	A0	CZ	18214	P -4810181
19	8.8E	9.5Z	26 48.004	0.0006	12	-42 26 12.95	0.001	12	0.75	47.973	45	99.7	13.00	45	99.7	F0	CZ	18217	P -42 8840
20		8.0T	26 48.127	-0.0031	26	-48 32 27.10	-0.063	22	1.11	48.267	21	04.8	24.19	19	04.1	F5	GC	26912K	C*-4813117
21	10.6E	9.4*	26 52.442	0.0020	12	-44 13 27.78	-0.036	12	0.65	52.349	31	01.9	26.04	28	01.9	F5	CZ	18218	P -44 9575
22	10.3E	9.2Z	27 18.957	0.0026	12	-49 23 40.51	-0.044	12	0.70	18.840	45	05.0	38.54	45	05.0	K0	CZ	18220	P -4910983
23	8.5E	9.0Z	27 20.038	0.0059	12	-40 33 39.30	0.005	12	0.68	19.729	28	97.7	39.57	26	97.7	F5	CZ	18224	P -40 9031
24	10.2E	9.6*	27 21.934	-0.0152	12	-47 46 56.94	-0.171	12	0.65	22.672	31	01.5	48.65	28	01.5	G0	CZ	18221	P -47 9293
25	9.6E	9.4H	27 22.568	0.0006	12	-44 51 35.50	0.007	12	0.71	22.542	45	03.6	35.82	45	03.6	F8	CZ	18222	P -45 9734
26	8.9E	8.8H	27 30.773	-0.0019	12	-44 43 49.11	-0.003	12	0.65	30.866	31	01.9	48.95	28	01.9	F0	CZ	18225	P -44 9576
27	10.4E	9.0Z	27 36.288	0.0021	12	-49 32 55.34	0.001	12	0.65	36.192	36	04.9	55.39	36	04.9	K0	CZ	18223	P -4910984
28		7.0T	27 43.656	0.0025	17	-46 22 44.86	-0.021	13	0.77	43.535	19	02.1	43.80	18	98.9	G5	GC	26929	C -4613043
29	9.9E	9.2Z	28 1.511	-0.0008	12	-46 12 38.61	-0.023	12	0.67	1.550	36	03.0	37.53	36	03.0	F0	CZ	18227	P -46 9724
30	9.9E	9.0Z	28 5.370	-0.0010	12	-43 11 39.89	-0.008	12	0.64	5.418	26	00.4	39.49	24	00.4	G5	CZ	18228	P -43 9014
31		7.5T	28 17.396	0.0036	16	-42 32 11.23	0.001	13	0.76	17.217	15	00.0	11.29	17	97.3	F8	GC	26945	C -4214270
32	10.1E	9.0*	28 21.291	0.0014	12	-49 8 42.90	-0.009	12	0.63	21.225	31	03.2	42.49	28	03.2	G5	CZ	18229	P -4910988
33	8.5E	9.5Z	28 31.506	0.0003	12	-42 55 17.93	-0.019	12	0.69	31.490	36	01.3	17.00	36	01.3	F0	CZ	18231	P -43 9017
34		6.7T	28 40.055	-0.0141	13	-44 39 14.67	0.035	12	0.68	40.762	19	99.7	16.55	18	96.7	G0	GC	26952	C -4413384
35	9.5E	10.0Z	28 41.956	0.0006	12	-42 23 8.33	0.002	12	0.69	41.926	36	00.4	8.41	36	00.4	A0	CZ	18235	P -42 8844
36	8.3E	8.0Z	28 45.529	0.0008	12	-45 28 30.45	-0.001	12	0.62	45.493	28	02.9	30.40	26	02.9	G5	CZ	18234	P -45 9738
37	10.3E	9.8Z	28 49.259	0.0030	12	-47 25 52.01	-0.037	12	0.63	49.118	28	02.5	50.25	26	02.5	G0	CZ	18233	P -47 9296
38	9.6E	9.5Z	28 51.900	-0.0013	12	-42 13 54.09	0.015	12	0.69	51.964	36	00.4	54.82	36	00.4	G5	CZ	18237	P -42 8846
39		7.4T	29 12.960	0.0060	17	-46 52 58.74	-0.164	13	0.77	12.670	15	01.3	50.36	17	98.8	G5	GC	26964K	C*-4712956
40	8.9E	8.5Z	29 26.142	0.0031	12	-48 48 43.41	-0.008	12	0.65	26.003	36	05.1	43.06	36	05.1	A3	CZ	18239D	P*-4810191
41		5.9T	29 45.627	-0.0013	07	-45 22 46.63	-0.028	06	0.26	45.678	09	11.8	45.50	09	09.4	ADF	GC	26981	C -4513296
42	10.2E	9.5Z	30 8.617	0.0001	12	-48 22 20.66	-0.029	12	0.70	8.613	45	05.0	19.35	45	05.0	F8	CZ	18242	P -4810195
43	7.7E	8.0Z	30 25.128	0.0003	12	-48 47 11.77	-0.015	12	0.62	25.115	28	03.2	11.09	26	03.2	A0	CZ	18244	P -4810197
44		9.8T	30 31.514	-0.0002	20	-44 34 58.42	-0.015	20	0.93	31.524	21	03.5	57.74	21	03.7	F2	GC	27000	C -4413405
45	10.2E	9.0Z	30 34.509	0.0009	12	-43 34 24.31	-0.009	12	0.66	34.465	28	99.4	23.87	26	99.4	G5	CZ	18247	P -43 9026
46		5.9T	30 42.891	-0.0005	09	-40 8 38.03	-0.000	09	0.40	42.912	12	09.1	38.01	12	06.7	A2	GC	27006	C -4013356
47	9.0E	8.8Z	30 51.967	-0.0002	12	-49 22 48.03	-0.011	12	0.63	51.977	31	03.3	47.53	28	03.3	F5	CZ	18248	P -4910996
48		8.2T	30 56.494	0.0013	16	-49 47 39.74	0.006	12	0.73	56.433	22	02.3	40.05	19	96.1	A0	GC	27011	C*-4912728
49	7.8E	8.5Z	31 23.931	0.0005	12	-41 15 53.29	-0.018	12	0.74	23.905	45	00.2	52.39	45	00.2	A3	CZ	18256	P -41 9136
50		9.4T	31 25.443	-0.0028	26	-46 27 33.21	-0.068	26	1.17	25.572	21	04.9	30.13	21	04.9	A0	GC	27024	C -4613080
51		5.0H	19 31 30.714	-0.0013	03	-48 12 32.55	-0.036	03	0.12	30.754	07	20.2	31.42	06	18.8	K0	F4	735	C -4813161
52	9.1E	8.7*	31 32.794	0.0002	12	-47 45 18.80	0.009	12	0.65	32.786	31	01.5	19.23	28	01.5	F5	CZ	18255	P -47 9307
53	8.7E	8.0Z	31 42.164	0.0024	12	-41 32 0.31	-0.020	12	0.66	42.041	28	99.0	-59.29	26	99.0	F0	CZ	18260D	P*-41 9137
54	8.9E	8.8*	31 47.427	-0.0014	12	-42 17 38.87	-0.006	12	0.66	47.497	28	99.6	38.57	26	99.6	F8	CZ	18261	P -42 8860
55	10.6E	9.2Z	31 48.565	0.0008	12	-49 22 9.99	-0.011	12	0.69	48.530	45	05.1	9.50	45	05.1	A2	CZ	18258	P -4911004
56	9.4E	8.5*	31 50.295	0.0025	12	-45 36 34.10	0.026	12	0.65	50.177	31	02.0	35.35	28	02.0	G5	CZ	18259	P -45 9747
57	8.0E	8.0Z	32 4.363	0.0009	12	-41 13 54.29	-0.004	12	0.66	4.317	28	99.2	54.07	26	99.2	K0	CZ	18265	P -41 9138
58	10.3E	9.5Z	32 6.324	-0.0002	12	-46 58 30.26	-0.004	12	0.72	6.336	45	03.0	30.07	45	03.0	F0	CZ	18262	P -47 9309
59	9.6E	9.2*	32 11.572	0.0014	12	-45 15 32.04	-0.026	12	0.65	11.505	31	02.0	30.78	28	02.0	F0	CZ	18264	P -45 9749
60	9.2E	9.5Z	32 16.321	0.0011	12	-46 25 8.00	-0.007	12	0.73	16.270	45	01.7	7.67	45	01.7	A5	CZ	18266	P -46 9742
61	9.1E	9.0Z	32 23.923	-0.0010	12	-40 36 30.04	-0.058	12	0.68	23.975	28	98.0	27.01	26	98.0	F8	CZ	18270	P -40 9044
62	10.3E	8.8Z	32 24.666	0.0004	12	-43 37 44.68	-0.011	12	0.66	24.647	28	99.7	44.14	26	99.7	G0	CZ	18268	P -43 9031
63	9.4E	9.0Z	32 30.703	0.0008	12	-48 1 47.82	-0.015	12	0.70	30.668	45	05.0	47.14	45	05.0	A2	CZ	18267	P -4810207
64		7.2T	32 31.071	0.0022	13	-46 15 43.72	-0.014	12	0.67	30.965	19	00.7	42.98	18	97.8	K5	GC	27051	C -4613090
65		9.1T	32 49.898	-0.0051	20	-44 17 21.23	-0.050	22	0.95	50.122	24	06.3	19.09	26	07.0	K0	GC	27061	C -4413431
66	9.3E	8.5Z	32 59.940	0.0016	12	-46 59 40.68	0.006	12	0.64	59.864	28	01.3	40.97	26	01.3	G5	CZ	18273	P -47 9311
67	9.3E	8.3H	33 0.348	0.0005	12	-49 54 50.21	-0.012	12	0.67	0.326	45	08.1	49.72	45	08.1	K2	CZ	18272	P -5011129
68	8.2E	9.0Z	33 19.296	0.0004	12	-42 22 38.85	-0.009	12	0.65	19.275	26	99.4	38.41	24	99.4	A0	CZ	18274	P -42 8863
69	8.8E	8.5Z	33 31.428	0.0020	12	-46 26 43.01	-0.010	12	0.65	31.332	28	00.7	42.52	26	00.7	G5	CZ	18275	P -46 9747
70	9.9E	9.5Z	33 34.449	0.0016	12	-42 6 37.28	-0.000	12	0.69	34.370	36	00.4	37.26	36	00.4	K0	CZ	18279	P -42 8865
71	8.9E	9.0Z	33 34.818	0.0022	12	-46 26 8.38	-0.008	12	0.68	34.714	36	01.4	7.99	36	01.4	A3	CZ	18276	P -46 9748
72	9.7E	9.5Z	33 36.616	0.0102	12	-42 55 26.48	-0.032	12	0.65	36.099	26	99.5	24.85	24	99.5	G0	CZ	18280	P -43 9035
73	9.4E	8.5Z	33 40.404	0.0010	12	-47 38 5.60	-0.039	12	0.67	40.357	36	02.2	3.73	36	02.2	K0	CZ	18277	P -47 9316
74	10.1E	9.3*	33 43.919	0.0015	12	-47 20 28.88	0.007	12	0.64	43.848	28	01.3	29.23	26	01.3	A2	CZ	18278	P -47 9317
75		8.4T	33 44.842	-0.0018	20	-44 23 47.61	0.023	20	0.93	44.927	21	03.6	48.69	19	03.4	K5	GC	27090	C -4413441
76	10.3E	9.6Z	33 46.329	0.0020	12	-46 52 23.22	-0.039	12	0.68	46.233	36	01.4	21.33	36	01.4	F0	CZ	18281	P -47 9318
77	10.8E	10.0Z	33 47.579	0.0024	12	-46 52 25.98	-0.003	12	0.68	47.464	36	01.4	25.85	36	01.4	F0	CZ	18282	P -47 9318
78	9.8E	9.2Z	33 50.722	-0.0000	12	-44 33 21.38	-0.006	12	0.67	50.724	36	02.4	21.09	36	02.4	F8	CZ	18286	P -44 9610
79	10.7E	9.4*	33 58.181	0.0013	12	-49 50 59.16	-0.014	12	0.61	58.122	28	03.8	58.52	26	03.8	F2	CZ	18285	P -5011133
80		7.7T	34 11.469	0.0011	10	-41 34 15.64	-0.031	09	0.42	11.421	14	07.0	14.28	14	05.8	F2	GC	27106	C -4113605
81	7.9E	8.0Z	34 11.764	-0.0003	12	-48 13 37.05	0.004	12	0.63	11.778	31	03.2	37.25	28	03.2	A2	CZ	18288	P -4810213
82	8.9E	9.0Z	34 26.695	0.0023	12	-44 1 16.66	-0.024	12	0.66	26.583	31	00.3	15.45	28	00.3	A3	CZ	18292	P -44 9613
83	9.0E	9.0Z	34 28.789	0.0018	12	-45 17 13.98	-0.017	12	0.66	28.701	31	00.6	13.15	28	00.6	A5	CZ	18291	P -45 9756
84	8.9E	9.0Z	34 38.488	0.0034	12	-42 31 19.27	-0.041	12	0.74	38.320	45	00.7	17.24	45	00.7	F8	CZ	18295	P -42 8870
85		7.4T	34 43.452	0.0032	16	-41 55 4.57	-0.030	13	0.77	43.293	22	00.6	2.96	19	96.2	A3	GC	27126	C -4214354
86	9.4E	8.5Z	34 48.881	-0.0003	12	-48 7 47.44	0.009	12	0.70	48.895	45	05.0	47.85	45	05.0	K0	CZ	18294	P -4810215
87	9.0E	8.5Z	35 13.014	0.0017	12	-44 29 21.00	-0.027	12	0.73	12.929	45	01.2	19.68	45	01.2	G0	CZ	18300	P -44 9615
88	9.3E	8.9*	35 13.083	-0.0039	12	-47 37 42.84	-0.059	12	0.65	13.273	31	01.6	39.99	28	01.6	F8	CZ	18299	P -47 9323
89	10.3E	9.0Z	35 14.717	0.0005	12	-48 25 58.69	-0.007	12	0.70	14.695	45	05.0	58.36	45	05.0	G5	CZ	18298	P -4810216
90	8.7E	8.6Z	35 17.977	-0.0001	12	-43 9 14.62	-0.047	12	0.66	17.981	28	99.4	12.23	26	99.4	F0	CZ	18302D	P*-43 9041
91	10.5E	9.5Z	35 26.459	0.0022	12	-48 24 48.34	-0.041	12	0.70	26.362	45	05.0	46.48	45	05.0	G0	CZ	18301	P -4810217
92	8.8E	8.5Z	35 34.142	-0.0034	12	-41 14 31.14	-0.054	12	0.74	34.312	45	00.2	28.45	45	00.2	K0	CZ	18303	P -41 9149
93	7.7E	7.7*	35 43.335	0.0045	12	-45 32 33.94	-0.046	12	0.66	43.115	31	00.6	31.69	28	00.6	F2	CZ	18304	P -45 9760
94		8.1T	35 56.944	-0.0001	16	-41 39 34.77	-0.001	13	0.76	56.948	18	01.5	34.73	19	97.2	A2	GC	27164K	C -4113617
95	9.1E	8.9H	35 58.961	0.0017	12	-44 51 38.78	-0.005	12	0.73	58.880	45	01.2	38.52	45	01.2	F0	CZ	18307	P -45 9762
96	9.0E	8.2Z	36 1.627	0.0008	12	-41 18 1.43	-0.024	12	0.74	1.588	45	00.2	0.23	45	00.2	K2	CZ	18311	P -41 9152
97	9.8E	8.8H	36 3.212	-0.0024	12	-49 40 18.48	-0.031	12	0.63	3.102	31	03.1	17.04	28	03.1	K0	CZ	18305	P -4911019
98	10.4E	9.0Z	36 4.081	-0.0033	12	-48 18 19.28	-0.244	12	0.70	4.230	45	05.0	8.32	45	05.0	G5	CZ	18306	P -4810220
99	9.3E	8.8Z	36 5.426	-0.0025	12	-40 24 1.62	-0.019	12	0.68	5.297	28	97.7	0.63	26	97.7	F0	CZ	18312	P -40 9062
00		6.2T	36 6.679	-0.0001	16	-45 23 37.19	0.023	12	0.71	6.684	21	04.0	38.33	18	00.1	A5	GC	27167	C -4513354

229800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 19H DM NUMBER
1	9.3E	8.5Z	19 36 6.978	0.0017	12	-40 55 57.05	-0.016	12	0.74	6.895	45	00.2	56.26	45	00.2	F8	CZ	18313	P -41 9153
2		8.9T	36 27.315	-0.0137	26	-46 38 20.69	-0.195	26	1.17	27.934	21	04.9	11.88	21	04.9	G0	GC	27180	C -4613129
3	10.0E	9.3H	36 27.381	0.0015	12	-47 1 22.92	-0.014	12	0.65	27.310	31	01.5	22.25	28	01.5	A2	CZ	18314	P -47 9328
4	9.6E	9.3H	36 28.780	0.0027	12	-44 45 40.07	-0.069	12	0.66	28.648	31	00.3	36.63	28	00.3	F8	CZ	18317	P -44 9621
5	9.3E	9.0Z	36 28.899	-0.0006	12	-43 35 44.66	-0.008	12	0.66	28.932	28	99.6	44.24	26	99.6	F0	CZ	18318	P -43 9045
6	8.1E	8.3Z	36 36.880	-0.0010	12	-41 25 59.40	0.006	12	0.66	36.930	28	99.3	59.69	26	99.3	A0	CZ	18320	P -41 9154
7	9.1E	8.9Z	36 44.756	0.0001	12	-40 59 29.48	0.005	12	0.74	44.752	45	00.2	29.73	45	00.2	A2	CZ	18323	P -41 9156
8	9.4E	9.1Z	36 51.537	0.0037	12	-46 48 18.27	-0.026	12	0.73	51.360	45	01.7	17.03	45	01.7	F5	CZ	18321D	P*-46 9768
9	10.1E	9.3Z	37 0.403	-0.0003	12	-49 27 36.16	0.018	12	0.70	0.416	45	05.0	36.98	45	05.0	F8	CZ	18322	P -4911084
10	9.8E	9.2Z	37 1.088	0.0017	12	-42 35 6.41	-0.008	12	0.74	0.943	45	00.7	6.01	45	00.7	A2	CZ	18325	P -42 8880
11	9.4E	9.1Z	37 9.684	0.0022	12	-41 21 52.35	0.009	12	0.74	9.575	45	00.2	52.80	45	00.2	F5	CZ	18326	P -41 9158
12	9.1E	8.9Z	37 11.947	0.0029	12	-41 54 48.07	-0.017	12	0.66	11.801	28	99.6	47.19	26	99.6	K0	CZ	18327	P -42 8881
13	8.6E	9.0Z	37 29.907	-0.0002	12	-41 30 18.67	-0.008	12	0.74	29.917	45	00.2	18.25	45	00.2	F5	CZ	18329	P -41 9159
14	9.3E	9.1Z	37 37.307	0.0046	12	-42 36 43.46	-0.058	12	0.74	37.080	45	00.7	40.60	45	00.7	F0	CZ	18330	P -42 8882
15	11.2E	9.8H	37 42.493	0.0014	12	-49 19 30.61	-0.039	12	0.63	42.427	31	03.2	28.76	28	03.2	F8	CZ	18328	P -4911031
16	8.7E	8.5Z	37 53.779	0.0018	12	-48 47 2.51	-0.005	12	0.61	53.695	28	03.7	2.26	26	03.7	K0	CZ	18331	P -4810227
17	9.3E	8.8Z	38 12.014	-0.0005	12	-45 0 52.29	-0.054	12	0.63	12.038	28	01.9	49.70	28	01.9	K0	CZ	18333	P -45 9772
18		9.6H	38 16.634	-0.0109	22	-42 41 47.47	-0.002	22	1.11	17.158	18	01.8	47.40	17	01.0	G0	GC	27225	C -4214394
19	8.3E	8.5Z	38 32.533	0.0047	12	-41 37 45.73	-0.002	12	0.65	32.315	26	99.3	45.61	24	99.3	A0	CZ	18337	P -41 9161
20	8.1E	8.0Z	38 35.168	0.0030	12	-41 34 52.99	-0.029	12	0.70	35.018	36	00.0	51.52	36	00.0	G0	CZ	18338	P -41 9162
21		8.2T	38 54.151	0.0011	26	-45 25 56.99	-0.077	22	1.12	54.101	21	04.5	53.42	19	03.8	K0	GC	27239	C -4513379
22	8.3E	8.0Z	39 4.750	0.0027	12	-46 9 55.88	-0.029	12	0.63	4.603	28	01.9	54.49	26	01.9	A3	CZ	18341	P -46 9776
23	9.1E	9.0Z	39 7.297	0.0019	12	-48 19 13.32	-0.067	12	0.61	7.209	28	03.7	10.22	26	03.7	F2	CZ	18340	P -4810234
24	9.1E	9.0Z	39 10.065	0.0016	12	-41 50 30.28	-0.046	12	0.75	9.984	45	99.2	27.92	45	99.2	K0	CZ	18343	P -42 8888
25	10.2E	8.2Z	39 14.626	0.0005	12	-43 11 39.70	-0.005	12	0.65	14.600	28	00.6	39.45	26	00.6	K2	CZ	18344	P -43 9053
26	9.9E	9.5H	39 15.806	0.0016	12	-42 6 43.85	-0.068	12	0.66	15.724	28	99.0	40.35	26	99.0	F5	CZ	18345	P -42 8889
27	9.3E	8.8H	39 18.033	0.0015	12	-49 42 2.62	-0.022	12	0.70	17.967	45	05.0	1.64	45	05.0	F5	CZ	18342	P -4911038
28	10.0E	9.5H	39 18.627	0.0008	12	-40 47 32.22	-0.026	12	0.67	18.587	28	98.2	30.88	26	98.2	F5	CZ	18346	P -40 9078
29	9.6E	9.5H	39 35.702	0.0003	12	-40 13 39.67	-0.005	12	0.68	35.688	28	97.9	39.41	26	97.9	A2	CZ	18350	P -40 9079
30	9.0E	8.0Z	39 41.866	0.0010	12	-48 19 24.62	-0.018	12	0.65	41.821	36	05.2	23.81	36	05.2	K0	CZ	18349	P -4810235
31	9.3E	8.2Z	39 46.164	-0.0032	12	-44 31 0.33	0.019	12	0.65	46.322	31	01.3	1.24	28	01.3	K0	CZ	18351	P -44 9630
32		8.3T	39 46.303	-0.0007	17	-44 30 59.75	0.027	18	0.86	46.337	19	02.4	1.05	21	02.7	K0	GC	27260	C -4413502
33	9.7E	8.5Z	40 2.804	0.0028	12	-46 46 30.86	-0.014	12	0.65	2.670	31	01.6	30.19	28	01.6	K0	CZ	18352	P -46 9780
34	8.9E	9.5Z	40 5.216	0.0012	12	-41 13 13.30	0.006	12	0.75	5.157	45	99.2	13.61	45	99.2	F0	CZ	18356	P -41 9170
35		7.4T	40 10.302	-0.0003	10	-44 15 13.62	0.005	08	0.42	10.315	15	08.7	13.86	15	05.5	K0	GC	27271	C -4413506
36	10.0E	9.2Z	40 12.572	-0.0030	12	-44 25 26.88	-0.021	12	0.72	12.716	45	02.6	25.88	45	02.6	A2	CZ	18357	P -44 9633
37	9.4E	9.3H	40 13.525	0.0007	12	-47 8 57.74	-0.032	12	0.65	13.491	31	01.6	56.20	28	01.6	F5	CZ	18354	P -47 9348
38	9.4E	9.8Z	40 14.275	0.0054	12	-40 55 53.98	0.028	12	0.75	14.002	45	99.2	55.40	45	99.2	F8	CZ	18361	P -41 9171
39		9.0T	40 17.801	-0.0042	22	-43 33 38.36	-0.027	22	1.07	17.998	19	03.6	37.10	19	03.0	F5	GC	27277K	C -4313541
40	9.7E	9.0H	40 22.449	0.0001	12	-45 12 48.35	0.004	12	0.65	22.445	31	01.6	48.55	28	01.6	F0	CZ	18360	P -45 9782
41	11.0E	9.5H	40 28.366	0.0008	12	-49 8 46.83	-0.017	12	0.63	28.328	31	03.4	46.01	28	03.4	G5	CZ	18358	P -4911045
42	10.2E	9.3H	40 33.402	0.0027	12	-40 33 23.24	0.005	12	0.68	33.263	28	98.0	23.51	26	98.0	K0	CZ	18362	P -40 9084
43		6.8T	41 0.270	0.0003	14	-41 43 47.20	-0.012	15	0.72	0.254	15	99.6	46.58	17	97.2	K0	GC	27295	C -4113653
44	9.4E	8.5Z	41 5.913	0.0001	12	-41 14 10.78	-0.002	12	0.75	5.909	45	99.2	10.69	45	99.2	F8	CZ	18367	P -41 9175
45	9.1E	9.3Z	41 25.482	0.0002	12	-44 34 43.86	-0.010	12	0.72	25.474	45	02.6	43.37	45	02.6	A0	CZ	18370	P -44 9636
46	9.1E	8.7H	41 26.444	-0.0000	12	-47 49 8.06	0.010	12	0.64	26.444	28	01.6	8.55	26	01.6	G5	CZ	18368	P -47 9353
47	10.1E	9.0Z	41 33.413	0.0002	12	-43 18 25.64	-0.029	12	0.72	33.403	45	02.1	24.25	45	02.1	G0	CZ	18373	P -43 9061
48	8.7E	8.0Z	41 35.821	-0.0039	12	-48 11 28.39	-0.035	12	0.69	35.996	45	05.5	26.84	45	05.5	F8	CZ	18371	P -4810243
49	8.7E	8.5Z	41 45.522	0.0010	12	-48 16 47.65	-0.005	12	0.63	45.476	31	03.4	47.42	28	03.4	A2	CZ	18375	P -4810244
50	9.7E	9.2Z	41 54.009	0.0054	12	-42 13 17.07	-0.039	12	0.75	53.737	45	99.7	15.09	45	99.7	G5	CZ	18380	P -42 8901
51	9.9E	8.7Z	19 41 56.762	0.0008	12	-49 4 45.64	-0.007	12	0.69	56.726	45	05.4	45.35	45	05.4	K5	CZ	18377	P -4911055
52	9.6E	8.9Z	41 57.349	0.0019	12	-47 21 37.59	0.003	12	0.72	57.262	45	03.1	37.74	45	03.1	F2	CZ	18379	P -47 9355
53	9.1E	9.5Z	42 17.874	0.0007	12	-41 52 50.05	-0.003	12	0.85	17.839	63	99.7	49.87	57	99.7	A0	CZ	18382	P -42 8902
54	9.5E	8.0Z	42 21.811	0.0001	12	-43 25 31.35	-0.018	12	0.72	21.809	45	02.1	30.48	45	02.1	K2	CZ	18384	P -43 9065
55	9.8E	9.3Z	42 22.857	0.0003	12	-49 3 45.17	0.003	12	0.69	22.843	45	05.4	45.32	45	05.4	K0	CZ	18381	P -4911057
56	8.7E	8.5Z	42 30.299	0.0001	12	-46 18 13.94	-0.012	12	0.65	30.296	31	01.6	13.37	28	01.6	K0	CZ	18385	P -46 9789
57	10.5E	9.8H	42 32.755	0.0000	12	-48 39 7.48	-0.022	12	0.63	32.754	31	03.5	6.44	28	03.5	F2	CZ	18383	P -4810247
58	10.0E	9.3Z	42 35.645	0.0005	12	-41 2 59.71	-0.009	12	0.67	35.621	28	98.5	59.25	26	98.5	K5	CZ	18387	P -41 9183
59	9.7E	9.2Z	42 39.694	0.0001	12	-42 23 19.73	0.002	12	0.66	39.688	28	99.0	19.82	26	99.0	G5	CZ	18388	P -42 8903
60	9.7E	9.5Z	43 20.375	0.0024	12	-48 24 6.11	-0.034	12	0.69	20.270	45	05.5	4.58	45	05.5	F5	CZ	18389	P -4810253
61	8.2E	8.5Z	43 36.399	0.0020	12	-40 4 34.16	-0.056	12	0.76	36.299	45	98.7	31.30	45	98.7	F5	CZ	18394	P -40 9102
62	10.3E	9.6H	43 43.700	0.0022	12	-47 29 54.00	-0.005	12	0.63	43.597	28	02.6	53.77	26	02.6	F0	CZ	18392	P -47 9361
63	8.8E	8.5Z	43 43.820	0.0060	12	-48 17 7.69	0.003	12	0.69	43.598	45	05.5	7.82	45	05.5	F5	CZ	18391	P -4810256
64	9.1E	9.0Z	43 54.339	0.0020	12	-41 15 52.03	-0.011	12	0.75	54.238	45	99.2	51.47	45	99.2	A0	CZ	18396	P -41 9187
65		7.3T	43 55.111	-0.0095	17	-43 28 4.98	-0.075	13	0.78	55.573	18	01.2	1.13	17	98.4	F8	GC	27357	C*-4313580
66		7.5T	44 17.066	0.0059	17	-45 50 29.61	-0.032	13	0.77	16.783	18	01.6	27.96	17	98.9	A2	GC	27365	C -4613217
67	9.5E	9.0Z	44 21.414	-0.0001	12	-43 45 6.33	-0.000	12	0.72	21.421	45	02.1	6.31	45	02.1	F5	CZ	18398	P -43 9070
68	8.8E	8.5*	44 27.962	0.0011	12	-41 33 29.38	-0.054	12	0.67	27.906	28	98.7	26.58	26	98.7	F2	CZ	18399	P -41 9192
69	9.0E	9.1Z	44 43.439	0.0002	12	-40 34 58.14	-0.030	12	0.86	43.430	63	98.7	56.60	57	98.7	F2	CZ	18403	P -40 9107
70	8.4E	8.5Z	44 43.622	-0.0000	12	-40 21 53.83	-0.001	12	0.67	43.623	28	98.2	53.78	26	98.2	F2	CZ	18405	P -40 9108
71	9.3E	9.0Z	44 45.350	0.0030	12	-46 8 40.55	-0.009	12	0.69	45.214	45	05.5	40.16	45	05.5	F5	CZ	18401	P -46 9803
72	9.4E	8.9*	44 49.088	0.0050	12	-45 6 8.85	-0.033	12	0.65	48.847	31	01.6	7.26	28	01.6	F5	CZ	18402	P -45 9795
73	9.8E	9.5Z	44 52.542	0.0065	12	-49 25 54.14	0.098	12	0.69	52.252	45	05.4	58.52	45	05.4	G0	CZ	18400	P -4911069
74		7.2T	44 53.278	-0.0007	17	-42 12 10.59	-0.021	10	0.74	53.312	18	00.9	9.41	17	93.2	K0	GC	27381	C -4214468
75	9.2E	8.0Z	45 3.175	0.0017	12	-49 39 0.86	-0.001	12	0.63	3.097	31	03.4	0.83	28	03.4	MA	CZ	18404	P -4911070
76	10.4E	8.9H	45 3.972	0.0009	12	-44 41 24.92	0.012	12	0.72	3.931	45	02.6	25.48	45	02.6	K2	CZ	18407	P -44 9643
77	8.1E	8.0Z	45 4.862	0.0036	12	-41 5 53.10	-0.056	12	0.67	4.679	28	98.7	50.24	26	98.7	G5	CZ	18409	P -41 9193
78		9.3T	45 8.585	-0.0044	20	-44 32 19.17	0.045	32	1.15	8.778	24	06.3	21.09	26	07.7	K2	GC	27390	C -4413546
79	10.3E	8.5Z	45 19.053	0.0011	12	-48 11 36.45	-0.005	12	0.69	19.005	45	05.5	36.24	45	05.5	K5	CZ	18408	P -4810264
80	8.8E	8.0Z	45 21.974	0.0014	12	-46 16 14.77	-0.013	12	0.63	21.910	31	03.2	14.17	28	03.2	K0	CZ	18410	P -46 9808
81	10.1E	10.0Z	45 24.100	0.0017	12	-46 15 59.21	-0.027	12	0.69	24.027	45	05.5	58.02	45	05.5		CZ	18411	P -46 9809
82		8.8T	45 24.665	-0.0010	20	-44 21 47.13	-0.024	22	0.99	24.712	21	04.0	46.05	21	04.5	F5	GC	27398	C -4413548
83		7.1T	45 52.527	0.0085	18	-45 52 23.64	-0.018	13	0.80	52.126	18	02.7	22.71	21	99.1	K0	GC	27405	C -4613237
84	9.2E	9.3Z	45 56.074	0.0025	12	-40 53 56.60	0.003	12	0.75	55.949	45	99.2	56.76	45	99.2	F5	CZ	18416	P -41 9199
85	10.1E	9.5Z	45 58.763	-0.0029	12	-45 20 50.43	0.005	12	0.71	58.899	45	03.1	50.67	45	03.1	F5	CZ	18415	P -45 9800
86	10.7E	9.3*	46 22.179	0.0008	12	-48 14 50.43	0.010	12	0.63	22.143	31	03.4	50.90	28	03.4	G5	CZ	18419	P -4810267
87		8.0T	46 34.884	-0.0016	09	-47 41 2.38	-0.005	07	0.38	34.955	15	06.0	2.12	14	01.1	M0	GC	27427	C -4713103
88		7.2T	46 36.656	0.0010	08	-45 30 22.24	-0.019	08	0.35	36.617	12	10.3	21.46	12	09.4	K0	GC	27428K	C -4513443
89	9.5E	8.0Z	47 2.658	0.0011	12	-43 54 47.00	-0.043	12	0.72	2.608	45	02.6	44.95	45	02.6	G5	CZ	18423	P -44 9654
90		7.5T	47 13.084	0.0029	12	-41 59 12.40	-0.009	10	0.59	12.934	17	98.6	11.92	17	95.5	A2	GC	27442K	C*-4214496
91		7.5T	47 16.816	0.0004	17	-46 29 15.71	-0.032	13	0.79	16.799	17	01.0	14.03	18	98.0	F5	GC	27443	C -4613250
92	9.6E	9.5*	47 39.194	-0.0001	12	-41 9 4.13	-0.012	12	0.67	39.201	28	98.7	3.52	26	98.7	B5	CZ	18429	P -41 9207
93	10.2E	8.5Z	47 46.503	0.0014	12	-45 59 2.13	-0.015	12	0.69	46.443	45	05.5	1.47	45	05.5	K0	CZ	18428	P -46 9828
94	11.0E	9.8H	47 58.525	0.0011	12	-43 16 51.10	-0.007	12	0.65	58.470	28	00.6	50.75	26	00.6		CZ	18431	P -43 9083
95		7.9T	47 59.702	0.0034	16	-42 13 16.46	-0.035	13	0.76	59.536	18	01.4	14.66	21	98.5	F8	GC	27462	C -4214506
96	9.8E	9.0*	48 0.363	-0.0007	12	-45 18 39.28	-0.022	12	0.63	0.397	28	01.9	38.23	26	01.9	K0	CZ	18430	P -45 9808
97	8.7E	9.2Z	48 0.563	0.0128	12	-42 36 53.46	0.047	12	0.75	-59.918	45	99.7	55.82	45	99.7	G0	CZ	18432	P -42 8924
98	9.5E	9.0Z	48 9.498	0.0006	12	-43 35 3.34	-0.026	12	0.63	9.470	26	01.6	2.07	24	01.6	F5	CZ	18435	P -43 9086
99	9.4E	9.5Z	48 13.203	-0.0009	12	-42 19 23.69	0.014	12	0.65	13.229	26	99.3	24.38	24	99.3	F2	CZ	18437	P -42 8926
00	10.1E	9.5Z	48 20.073	0.0011	12	-44 29 40.62	-0.012	12	0.63	20.023	28	02.1	40.04	26	02.1	A2	CZ	18438	P -44 9660

229900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 19H DM NUMBER
1	9.6E	8.8Z	19 48 21.253	0.0006	12	-40 50 11.39	-0.039	12	0.68	21.223	28	97.9	9.36	26	97.9	K5	CZ	18439	P -41 9213
2		8.1T	48 21.623	-0.0028	17	-46 59 23.70	-0.013	13	0.78	21.759	19	01.8	23.02	18	98.7	A2	GC	27472	C -4713121
3		5.4T	48 27.140	0.0025	06	-40 0 10.45	-0.014	05	0.24	27.041	09	10.1	9.84	09	07.5	A0P	GC	27474	C -4013514
4	8.9E	7.5Z	48 31.835	0.0006	12	-45 46 53.78	-0.014	12	0.63	31.804	28	01.9	53.11	26	01.9	K5	CZ	18440	P -45 9810
5	8.7E	8.3Z	48 50.429	0.0015	12	-49 48 19.76	-0.025	12	0.69	50.364	45	05.4	18.66	45	05.4	F0	CZ	18443	P -4911081
6	9.3E	9.2Z	48 52.289	0.0024	12	-42 45 5.78	-0.005	12	0.65	52.166	26	99.4	5.52	24	99.4	G5	CZ	18444	P -42 8930
7	10.2E	9.3Z	48 57.727	0.0024	12	-45 25 25.54	-0.035	12	0.67	57.612	36	03.0	23.90	36	03.0	K0	CZ	18445	P -45 9812
8	9.7E	8.8Z	49 15.285	-0.0011	12	-43 54 22.55	-0.003	12	0.72	15.339	45	02.6	22.39	45	02.6	K0	CZ	18447	P -44 9665
9	10.0E	9.7Z	49 16.784	0.0012	12	-45 49 18.97	-0.021	12	0.67	16.730	36	03.0	17.99	36	03.0	F0	CZ	18446	P -46 9831
10	8.5E	8.0Z	49 33.060	0.0011	12	-46 30 0.44	0.007	12	0.64	33.009	31	02.2	0.79	28	02.2	A2	CZ	18449	P -46 9833
11	9.1E	9.0Z	49 34.176	0.0003	12	-48 35 56.97	-0.017	12	0.61	34.162	28	04.0	56.21	26	04.0	A5	CZ	18448	P -4810278
12	8.8E	8.3Z	49 45.421	-0.0005	12	-49 36 24.58	0.023	12	0.63	45.446	31	03.4	25.67	28	03.4	F8	CZ	18450	P -4911085
13	10.9E	9.8*	49 47.023	0.0032	12	-45 13 52.29	0.010	12	0.66	46.865	31	00.7	52.79	28	00.7	G5	CZ	18451	P -45 9814
14	9.3E	9.0Z	49 47.410	-0.0017	12	-40 24 32.46	0.001	12	0.86	47.499	63	98.7	32.52	57	98.7	F2	CZ	18454	P -40 9124
15	9.3E	9.0Z	49 56.542	0.0001	12	-40 30 6.96	-0.022	12	0.86	56.538	63	98.7	5.84	57	98.7	K0	CZ	18455	P -40 9125
16	11.0E	9.5*	49 56.998	0.0010	12	-48 58 19.16	0.008	12	0.63	56.951	31	03.5	19.56	28	03.5	K5	CZ	18452	P -4911087
17	8.8E	9.3Z	50 8.835	0.0028	12	-40 51 13.10	0.015	12	0.86	8.693	63	98.7	13.87	57	98.7	F0	CZ	18457	P -41 9219
18	9.0E	9.5Z	50 17.051	0.0014	12	-41 14 38.21	-0.005	12	0.67	16.981	28	98.7	37.95	26	98.7	A0	CZ	18459	P -41 9220
19	10.4E	9.5H	50 19.845	0.0007	12	-44 41 1.21	-0.042	12	0.65	19.812	31	01.2	59.15	28	01.2	F5	CZ	18458	P -44 9669
20	8.9E	8.3Z	50 45.667	-0.0005	12	-40 18 41.44	-0.002	12	0.67	45.694	28	98.2	41.34	26	98.2	K2	CZ	18461	P -40 9127
21	9.4E	8.7Z	50 53.969	0.0020	12	-40 56 38.05	-0.028	12	0.75	53.870	45	99.7	36.64	45	99.7	F5	CZ	18462	P -41 9224
22		7.9T	51 33.905	0.0034	16	-46 55 28.18	-0.027	13	0.75	33.740	17	00.9	26.76	18	97.9	K0	GC	27550	C -4713147
23	8.1E	8.5Z	51 40.644	0.0006	12	-48 24 51.46	-0.042	12	0.61	40.617	28	03.7	49.49	26	03.7	F0	CZ	18465	P -4810282
24	9.8E	9.3Z	51 43.050	0.0021	12	-43 25 7.11	0.008	12	0.65	42.948	28	00.4	7.49	26	00.4	A5	CZ	18467	P -43 9103
25	9.6E	8.5Z	51 46.127	-0.0001	12	-46 16 0.02	0.002	12	0.64	46.129	31	02.2	0.12	28	02.2	K0	CZ	18466	P -46 9843
26		8.5T	51 46.924	-0.0005	16	-44 8 33.02	-0.034	16	0.80	46.949	24	02.7	31.40	22	01.8	F5	GC	27555	C -4413612
27		4.2H	51 48.997	0.0013	03	-42 0 5.48	0.056	02	0.11	48.950	06	13.7	7.62	06	11.9	K0	F4	1520	C -4214549
28	10.7E	9.5*	52 0.523	-0.0024	12	-45 42 11.68	-0.009	12	0.66	0.644	31	00.7	11.25	28	00.7	F8	CZ	18470	P -45 9827
29	9.9E	9.1Z	52 6.448	0.0027	12	-47 43 23.62	0.012	12	0.69	6.328	45	05.5	24.15	45	05.5	F8	CZ	18471	P -47 9385
30	10.2E	10.0Z	52 32.778	0.0011	12	-47 31 14.06	-0.012	12	0.69	32.730	45	05.5	13.53	45	05.5	A0	CZ	18474	P -47 9388
31	9.7E	9.3*	52 33.631	0.0034	12	-41 29 7.69	-0.032	12	0.67	33.457	28	98.9	6.04	26	98.9	F0	CZ	18478	P -41 9231
32	9.5E	9.0Z	52 33.871	0.0009	12	-43 48 10.78	-0.003	12	0.72	33.830	45	02.1	10.62	45	02.1	K0	CZ	18475	P -43 9105
33	9.5E	9.5Z	52 34.157	0.0003	12	-40 31 34.22	0.004	12	0.67	34.143	28	98.2	34.43	26	98.2	F5	CZ	18480	P -40 9133
34		7.4T	52 34.493	-0.0017	14	-44 8 43.87	-0.017	11	0.68	34.578	19	00.5	42.99	17	97.6	A0	GC	27577	C -4413624
35	10.0E	9.5Z	52 37.012	0.0007	12	-42 40 4.65	-0.010	12	0.66	36.975	28	99.3	4.13	26	99.3	F0	CZ	18479	P -42 8950
36	9.2E	9.0Z	52 44.160	0.0025	12	-47 52 16.28	-0.001	12	0.63	44.043	31	03.2	16.23	28	03.2	F5	CZ	18477	P -4810286
37	8.7E	9.5Z	52 46.903	0.0010	12	-41 49 30.65	0.019	12	0.75	46.853	45	99.7	31.59	45	99.7	A2	CZ	18483	P -42 8951
38	10.3E	9.0Z	52 53.420	0.0029	12	-43 53 14.88	-0.038	12	0.72	53.285	45	02.6	13.06	45	02.6	K0	CZ	18486	P -44 9681
39	9.6E	8.7H	52 54.666	0.0006	12	-49 53 46.08	-0.006	12	0.69	54.640	45	05.5	45.82	45	05.5	K0	CZ	18481	P -5011228
40	10.2E	9.3Z	52 58.917	-0.0023	12	-47 7 33.06	0.018	12	0.65	59.021	36	05.2	33.87	36	05.2	F5	CZ	18485	P -47 9390
41	9.3E	8.8H	53 4.244	-0.0023	12	-49 45 15.40	-0.067	12	0.70	4.349	45	04.9	12.39	45	04.9	G5	CZ	18484	P -4911101
42	9.9E	9.0Z	53 17.862	0.0015	12	-43 7 20.64	-0.012	12	0.64	17.787	26	00.2	21.22	24	00.2	F5	CZ	18489	P -43 9110
43	9.9E	9.2*	53 19.312	0.0008	12	-47 33 24.19	-0.040	12	0.61	19.276	28	03.6	22.33	26	03.6	A2	CZ	18487	P -47 9391
44	9.3E	9.0Z	53 23.849	0.0028	12	-45 57 1.17	-0.037	12	0.65	23.719	36	04.3	59.48	36	04.3	F8	CZ	18490	P -46 9847
45	9.8E	9.0Z	53 27.508	-0.0011	12	-46 43 29.95	-0.001	12	0.62	27.562	28	02.9	29.91	26	02.9	A2	CZ	18491	P -46 9848
46	11.3E	9.8*	53 28.706	-0.0003	12	-49 4 6.62	-0.019	12	0.63	28.720	31	03.1	5.75	28	03.1	G0	CZ	18488	P -4911103
47	10.3E	9.0Z	53 31.439	-0.0042	12	-46 52 6.35	-0.016	12	0.69	31.629	45	05.1	5.64	45	05.1	K0	CZ	18492	P -47 9393
48	10.0E	9.0Z	53 31.671	0.0053	12	-43 44 44.66	-0.051	12	0.64	31.410	26	00.3	42.10	24	00.3	G5	CZ	18493	P -43 9112
49	9.9E	9.0Z	53 38.291	0.0016	12	-46 54 31.90	-0.078	12	0.65	38.221	36	05.2	28.42	36	05.2	F8	CZ	18494	P -47 9394
50	10.0E	9.5Z	53 54.935	-0.0023	12	-46 41 29.60	-0.017	12	0.65	55.042	36	04.3	28.83	36	04.3	F5	CZ	18496	P -46 9849
51	9.6E	8.6Z	19 53 57.434	0.0003	12	-41 8 6.44	0.001	12	0.67	57.420	28	98.9	6.49	26	98.9	G5	CZ	18497	P -41 9236
52	9.6E	9.2Z	54 2.475	0.0015	12	-42 10 44.50	-0.011	12	0.74	2.400	45	00.2	43.94	45	00.2	A2	CZ	18498	P -42 8956
53		8.5T	54 10.805	0.0015	26	-45 57 44.19	-0.101	26	1.17	10.739	21	04.9	39.63	21	04.9	F0	GC	27614	C -4613306
54	9.9E	9.3Z	54 19.799	0.0013	12	-44 34 44.24	0.034	12	0.72	19.739	45	02.6	45.83	45	02.6	F8	CZ	18502	P -44 9685
55	9.2E	8.5Z	54 25.016	0.0061	12	-48 16 9.39	0.006	12	0.70	24.742	45	05.0	9.66	45	05.0	F8	CZ	18501	P -4810294
56	8.9E	8.0Z	54 58.473	0.0015	12	-42 49 5.32	-0.025	12	0.66	58.396	28	99.0	4.03	26	99.0	K0	CZ	18506	P -43 9119
57	9.9E	9.2Z	55 1.325	0.0074	12	-48 7 47.05	-0.114	12	0.70	0.992	45	05.0	41.92	45	05.0	F5	CZ	18504	P -4810297
58	9.9E	9.5Z	55 14.903	0.0040	12	-43 14 19.26	-0.049	12	0.72	14.711	45	02.1	16.90	45	02.1	F0	CZ	18507	P -43 9122
59		6.8I	55 16.833	-0.0009	32	-41 59 7.80	-0.122	32	1.35	16.870	26	07.9	2.67	26	07.9	M4E	GC	27642V	C*-4214584
60		7.3T	55 23.763	0.0093	17	-46 13 30.71	0.008	12	0.77	23.313	17	01.3	31.12	18	97.1	F8	GC	27645	C -4613313
61	9.6E	8.3Z	55 25.694	-0.0004	12	-41 17 6.64	-0.056	12	0.75	25.715	45	99.7	3.83	45	99.7	K2	CZ	18509	P -41 9247
62	10.2E	9.5Z	55 41.526	-0.0003	12	-43 32 5.30	-0.014	12	0.72	41.542	45	02.1	4.62	45	02.1	G5	CZ	18511	P -43 9124
63		8.2T	55 43.850	0.0014	13	-41 58 6.02	-0.084	12	0.69	43.778	18	98.8	1.60	17	97.3	F8	GC	27656	C*-4214588
64	9.5E	8.9*	56 7.917	0.0004	12	-47 41 13.05	-0.016	12	0.64	7.899	31	02.9	12.30	28	02.9	F2	CZ	18515	P -47 9405
65	10.0E	9.5Z	56 10.274	0.0000	12	-42 32 40.81	-0.006	12	0.74	10.273	45	00.2	40.50	45	00.2	F8	CZ	18519	P -42 8965
66	9.7E	8.5Z	56 17.789	-0.0043	12	-49 6 46.28	0.023	12	0.63	17.990	31	03.1	47.38	28	03.1	G5	CZ	18516	P -4911115
67	9.5E	9.0*	56 18.928	0.0023	12	-48 19 38.71	-0.044	12	0.63	18.821	31	03.2	36.65	28	03.2	A5	CZ	18517	P -4810303
68	9.7E	8.6Z	56 22.544	0.0013	12	-43 6 46.43	-0.035	12	0.72	22.481	45	02.1	44.75	45	02.1	K5	CZ	18521	P -43 9125
69	8.5E	8.0Z	56 31.122	0.0073	12	-48 53 8.53	-0.038	12	0.70	30.792	45	04.9	6.83	45	04.9	F5	CZ	18520	P -4911116
70	8.6E	8.8Z	56 35.202	0.0013	12	-40 56 35.10	0.007	12	0.67	35.137	28	98.7	35.46	26	98.7	A5	CZ	18524	P -41 9253
71	9.6E	9.2*	56 36.379	0.0029	12	-47 7 7.18	-0.163	12	0.64	36.244	31	02.9	59.51	28	02.9	G0	CZ	18522	P -47 9408
72	9.0E		56 42.371	0.0008	12	-41 43 39.63	-0.003	12	0.67	42.330	28	98.8	39.45	26	98.8	A5	CZ	18526V	P -41 9254
73		6.2T	56 44.113	-0.0087	14	-49 29 19.72	-0.013	12	0.70	44.539	22	00.9	19.02	19	96.2	K0	GC	27678	C -4912949
74	10.3E	9.5Z	56 47.212	0.0017	12	-43 12 44.14	0.005	12	0.72	47.130	45	02.1	44.38	45	02.1	K0	CZ	18528	P -43 9127
75	9.7E	9.3H	56 49.335	0.0028	12	-44 49 4.67	-0.000	12	0.72	49.204	45	02.6	4.66	45	02.6	F5	CZ	18527	P -45 9839
76		6.9T	56 57.905	-0.0046	11	-49 44 48.72	0.004	09	0.45	58.098	14	08.3	48.89	14	07.1	M8	GC	27684	C*-4912950
77		6.1T	56 58.256	0.0021	13	-43 10 52.77	0.015	09	0.62	58.149	18	99.7	53.62	17	94.8	K5	GC	27685	C -4313735
78	9.1E	9.0Z	57 0.630	0.0002	12	-44 11 26.90	0.015	12	0.72	0.623	45	02.6	27.59	45	02.6	A5	CZ	18531	P -44 9694
79	10.0E	9.3Z	57 9.544	-0.0013	12	-48 42 5.46	0.012	12	0.63	9.604	31	03.2	6.04	28	03.2	F5	CZ	18529	P -4810305
80	10.0E	9.0Z	57 10.696	0.0030	12	-43 15 19.75	-0.018	12	0.72	10.552	45	02.1	18.88	45	02.1	G0	CZ	18532	P -43 9130
81		6.0T	57 16.146	-0.0003	09	-45 15 4.71	-0.000	07	0.36	16.158	15	09.8	4.70	14	03.7	A5	GC	27697	C -4513549
82	10.3E	9.4Z	57 18.289	0.0008	12	-43 14 30.71	0.008	12	0.72	18.249	45	02.1	31.09	45	02.1	A0	CZ	18535	P -43 9131
83	9.5E	8.0Z	57 18.761	0.0002	12	-40 20 16.68	0.009	12	0.67	18.752	28	98.2	17.15	26	98.2	MA	CZ	18537	P -40 9158
84	8.9E	9.0Z	57 19.916	0.0004	12	-45 50 15.51	-0.018	12	0.66	19.898	31	00.6	14.63	28	00.6	A0	GC	18534	P -46 9863
85		7.5T	57 20.877	0.0018	17	-44 7 7.09	-0.150	13	0.77	20.791	17	01.5	59.46	18	99.0	F2	GC	27698	C -4413671
86	9.0E	8.5H	57 29.516	-0.0015	12	-42 9 35.82	-0.031	12	0.74	29.591	45	00.2	34.25	45	00.2	F5	CZ	18538	P -42 8971
87	8.7E	9.0Z	57 37.130	0.0020	12	-42 0 41.21	-0.061	12	0.66	37.028	28	99.1	38.07	26	99.1	F2	CZ	18542	P -42 8973
88	8.5E	8.5Z	57 38.171	0.0010	12	-42 18 30.89	-0.001	12	0.74	38.121	45	00.2	30.82	45	00.2	F2	CZ	18543	P -42 8972
89	10.0E	9.5Z	57 38.186	0.0017	12	-43 16 37.81	0.013	12	0.72	38.104	45	02.1	38.43	45	02.1	F5	CZ	18540	P -43 9132
90	10.0E	8.8Z	57 47.830	-0.0009	12	-49 18 34.77	-0.036	12	0.65	47.869	36	05.1	33.14	36	05.1	G5	CZ	18539	P -4911122
91		7.3T	57 48.306	0.0034	16	-47 32 8.70	0.016	12	0.73	48.140	19	01.1	9.53	18	97.2	F0	GC	27712K	C*-4713199
92	9.4E	9.0Z	57 58.175	0.0016	12	-42 59 42.13	-0.002	12	0.72	58.097	45	02.1	42.03	45	02.1	B9	CZ	18545	P -43 9135
93		6.5T	58 2.560	-0.0014	15	-40 57 9.54	-0.036	12	0.72	2.628	18	01.1	7.57	19	95.7	A2	GC	27723	C -4113867
94	9.2E	8.7Z	58 3.613	-0.0013	12	-42 37 22.07	-0.022	12	0.74	3.677	45	00.2	20.96	45	00.2	G0	CZ	18546	P -42 8974
95	9.4E	9.5*	58 10.101	-0.0006	12	-42 32 48.76	-0.002	12	0.65	10.130	26	99.5	48.65	24	99.5	A2	CZ	18549	P -42 8975
96		8.5T	58 15.618	0.0005	20	-42 56 33.74	-0.018	20	0.91	15.594	24	05.4	32.95	24	04.9	M0	GC	27731	C -4313746
97	9.8E	9.5Z	58 17.293	0.0013	12	-43 4 50.38	0.003	12	0.68	17.229	36	02.0	50.52	36	02.0	A0	CZ	18551	P -43 9137
98	9.3E	9.0Z	58 24.428	0.0016	12	-41 8 48.24	-0.082	12	0.65	24.348	26	99.4	44.10	24	99.4	F8	CZ	18552	P -41 9260
99		7.8T	58 39.508	0.0007	22	-46 4 48.22	-0.032	20	1.00	39.478	21	03.7	46.70	19	03.2	K0	GC	27744	C -4613343
00		7.9T	58 39.625	0.0034	16	-44 36 21.42	-0.018	13	0.76	39.459	19	00.9	20.49	18	97.6	A0	GC	27745	C*-4413686

230000 — EPOCH 1950 — ORIGINAL EPOCH — -40° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.9E	9.0Z	19 58 47.636	0.0008	12	-43 37 40.46	-0.023	12	0.68	47.600	36	02.0	39.34	36	02.0	K2	CZ	18556	P -43 9139
2		6.8T	59 4.004	-0.0032	17	-45 20 10.21	-0.001	13	0.77	4.158	17	01.6	10.15	18	98.8	K0	GC	27755	C -4513568
3		8.8T	59 4.332	0.0031	20	-44 21 43.25	-0.014	20	0.91	4.195	24	05.4	43.89	24	04.9	G5	GC	27756	C -4413691
4	9.6E	9.5Z	59 5.440	0.0016	12	-41 40 1.70	-0.005	12	0.75	5.368	45	99.7	1.42	45	99.7	K0	CZ	18560	P -41 9265
5	10.1E	9.5Z	59 12.715	0.0020	12	-44 5 4.43	-0.017	12	0.73	12.619	45	01.2	3.58	45	01.2	G5	CZ	18562	P -44 9711
6	10.7E	9.8*	59 14.395	0.0002	12	-48 7 16.41	-0.004	12	0.62	14.385	28	03.5	16.23	26	03.5	A3	CZ	18559	P -4810312
7		7.5T	59 15.923	-0.0006	09	-41 33 29.34	-0.001	07	0.40	15.949	14	05.5	29.30	14	01.7	F0	GC	27759	C -4113622
8	10.0E	9.0Z	59 22.621	0.0039	12	-49 1 58.94	-0.056	12	0.63	22.438	31	03.2	56.30	28	03.2	G0	CZ	18561	P -4911128
9	10.1E	9.5Z	59 29.136	0.0022	12	-46 34 8.18	-0.011	12	0.65	29.032	31	01.9	7.66	28	01.9	F8	CZ	18564	P -46 9876
10		7.5T	59 49.237	-0.0011	16	-43 3 51.44	-0.006	14	0.78	49.290	17	00.7	51.15	17	98.0	F2	GC	27767K	C*-4313767
11	10.2E	9.6Z	59 53.717	0.0022	12	-45 1 11.94	-0.049	12	0.73	53.611	45	01.6	9.58	45	01.6	G5	CZ	18566	P -45 9850
12	8.3E	8.4H	59 58.640	0.0033	12	-44 44 3.15	-0.007	12	0.73	58.481	45	01.2	2.80	45	01.2	A2	CZ	18567	P -44 9714
13	8.1E	8.0Z	20 0 5.897	0.0048	12	-47 7 32.03	-0.050	12	0.64	5.671	31	02.6	29.67	28	02.6	F5	CZ	18568	P -47 9421
14	10.4E	9.8Z	0 6.078	0.0015	12	-46 15 16.39	-0.020	12	0.71	6.006	45	03.6	15.47	45	03.6	F2	CZ	18570	P -46 9879
15	9.6E	8.0Z	0 17.151	0.0005	12	-40 6 57.57	0.014	12	0.86	17.127	63	98.7	58.29	57	98.7	K2	CZ	18574	P -40 9175
16	10.7E	9.5*	0 17.515	0.0010	12	-48 29 29.10	-0.013	12	0.64	17.470	31	02.9	28.47	28	02.9	F8	CZ	18571	P -4810317
17	9.5E	9.0Z	0 22.240	0.0024	12	-43 58 29.77	-0.022	12	0.65	22.123	28	00.3	28.66	26	00.3	A0	CZ	18572	P -44 9716
18	9.4E	8.4H	0 27.233	0.0041	12	-44 46 47.97	-0.028	12	0.73	27.035	45	01.2	46.59	45	01.2	K0	CZ	18575	P -44 9717
19	10.3E	8.5Z	0 33.961	-0.0021	12	-48 55 40.60	-0.041	12	0.70	34.054	45	05.0	38.74	45	05.0	G5	CZ	18573	P -4911136
20	8.7E	8.5Z	0 34.354	0.0026	12	-40 4 9.62	-0.031	12	0.68	34.220	28	97.7	8.00	26	97.7	A2	CZ	18578	P -40 9176
21	9.8E	9.3Z	0 38.924	0.0020	12	-47 32 14.76	-0.001	12	0.70	38.834	45	04.6	14.72	45	04.6	F8	CZ	18577D	P*-47 9424
22	9.8E	8.9Z	0 46.415	0.0023	12	-43 4 18.55	-0.002	12	0.74	46.300	45	00.7	18.45	45	00.7	G5	CZ	18579	P -43 9148
23	10.1E	9.6Z	0 52.850	0.0050	12	-45 10 31.32	0.013	12	0.73	52.608	45	01.6	31.95	45	01.6	F5	CZ	18580	P -45 9857
24	8.3E	7.8H	0 58.346	0.0014	12	-45 5 19.78	-0.002	12	0.66	58.277	31	00.6	19.89	28	00.6	A5	CZ	18582	P -45 9859
25	9.0E	8.4H	1 5.982	-0.0027	12	-49 53 49.68	-0.007	12	0.69	6.103	45	05.5	49.38	45	05.5	F0	CZ	18581	P -5011266
26	8.8E	8.5Z	1 6.390	0.0009	12	-43 42 5.23	-0.027	12	0.66	6.347	28	99.5	3.84	26	99.5	F2	CZ	18583	P -43 9150
27	10.0E	9.5Z	1 13.218	-0.0001	12	-42 33 51.13	0.004	12	0.66	13.223	28	99.3	51.32	26	99.3	F5	CZ	18585	P -42 8990
28	9.8E	9.1*	1 25.846	0.0017	12	-49 38 51.41	-0.002	12	0.63	25.768	31	03.2	51.33	28	03.2	A2	CZ	18584	P -4911138
29	10.2E	9.1Z	1 32.584	0.0021	12	-47 30 15.19	-0.006	12	0.70	32.489	45	04.6	14.92	45	04.6	F0	CZ	18586	P -47 9427
30	9.3E	9.0Z	1 34.207	0.0007	12	-47 37 49.72	-0.021	12	0.64	34.175	31	02.6	48.73	28	02.6	A0	CZ	18587	P -47 9428
31		6.8T	1 34.471	-0.0003	09	-46 14 22.08	-0.009	07	0.40	34.486	14	07.4	21.66	15	04.4	K0	GC	27821	C -4613374
32	10.3E	9.0Z	2 14.147	0.0004	12	-47 31 20.40	0.013	12	0.70	14.130	45	04.6	20.99	45	04.6	K0	CZ	18590	P -47 9429
33	9.7E	9.4Z	2 18.279	-0.0019	12	-49 39 47.31	-0.016	12	0.70	18.366	45	05.0	46.60	45	05.0	A2	CZ	18589	P -4911140
34	8.8E	8.1H	2 32.016	-0.0019	12	-45 7 25.99	-0.017	12	0.66	32.110	31	00.6	25.16	28	00.6	F5	CZ	18592	P -45 9866
35	9.6E	9.5Z	2 36.090	0.0088	12	-40 7 11.63	0.017	12	0.68	35.632	28	97.7	12.53	26	97.7	G5	CZ	18595	P -40 9190
36	11.0E	10.0*	2 37.533	-0.0003	12	-49 8 16.80	-0.007	12	0.63	37.547	31	03.2	16.45	28	03.2	A0	CZ	18591	P -4911142
37		8.1T	2 41.234	0.0020	20	-44 29 7.13	-0.080	20	0.93	41.143	19	03.6	3.41	19	03.4	K0	GC	27861	C*-4413725
38		9.3T	2 50.106	-0.0079	22	-43 21 23.12	-0.244	22	1.06	50.468	19	04.0	11.80	19	03.5	G5	GC	27865	C -4313796
39	9.7E	9.3*	2 51.049	-0.0003	12	-41 41 57.29	0.015	12	0.66	51.065	28	99.0	58.04	26	99.0	F0	CZ	18598	P -41 9285
40	8.2E	8.0Z	3 0.753	-0.0010	12	-42 26 6.32	0.016	12	0.66	0.803	28	99.2	7.12	26	99.2	A3	CZ	18601	P -42 9002
41	10.3E	9.0*	3 1.986	0.0019	12	-49 51 4.82	0.024	12	0.65	1.897	31	02.5	5.97	31	02.5	K2	CZ	18596	P -5011272
42	10.9E	9.7*	3 9.595	0.0030	12	-48 2 16.54	-0.015	12	0.64	9.455	31	02.9	15.84	28	02.9	F5	CZ	18600	P -4810327
43	9.8E	9.0Z	3 10.102	0.0004	12	-45 57 52.96	-0.062	12	0.66	10.081	36	04.0	50.11	36	04.0	G0	CZ	18602	P -46 9898
44		8.3T	3 25.575	0.0018	17	-44 26 51.68	-0.011	18	0.85	25.493	24	04.0	51.18	22	03.6	K2	GC	27877	C*-4413734
45	10.3E	9.5Z	3 27.414	0.0011	12	-40 55 7.27	0.012	12	0.66	27.359	28	98.9	7.90	24	98.9	G5	CZ	18607	P -41 9290
46	8.6E	8.0Z	3 51.307	0.0033	12	-41 57 12.07	-0.018	12	0.74	51.144	45	00.2	11.17	45	00.2	K0	CZ	18610	P -42 9005
47	9.3E	8.8Z	3 56.051	0.0015	12	-46 59 31.97	-0.006	12	0.62	55.981	28	03.1	31.71	26	03.1	F5	CZ	18608	P -47 9433
48	9.6E	9.1Z	3 57.703	0.0011	12	-42 12 56.38	-0.006	12	0.74	57.650	45	00.2	56.08	45	00.2	F0	CZ	18611	P -42 9007
49	8.4E	7.5Z	4 0.603	0.0011	12	-48 47 47.87	-0.101	12	0.64	0.550	31	02.8	43.10	28	02.8	F2	CZ	18609	P -4911153
50	8.3E	8.0Z	4 4.058	-0.0026	12	-41 54 59.66	0.026	12	0.74	4.189	45	00.2	+ 0.95	45	00.2	G0	CZ	18612	P -42 9009
51	9.6E	8.7Z	20 4 13.499	-0.0058	12	-41 9 39.63	-0.279	12	0.75	13.792	45	99.7	25.60	45	99.7	G0	CZ	18614	P -41 9296
52	9.7E	9.0Z	4 20.926	0.0023	12	-43 45 41.30	-0.008	12	0.66	20.810	28	99.5	40.89	26	99.5	G5	CZ	18615	P -43 9159
53	10.4E	9.0*	4 22.438	-0.0001	12	-49 41 55.87	0.001	12	0.63	22.444	31	03.2	55.90	28	03.2	K0	CZ	18613	P -4911155
54	8.8E	9.0Z	4 31.659	-0.0002	12	-47 19 40.05	-0.024	12	0.70	31.667	45	04.6	38.98	45	04.6	A2	CZ	18616	P -47 9436
55	9.0E	8.5H	4 32.149	0.0011	12	-44 20 15.58	-0.080	12	0.66	32.094	31	00.3	11.61	28	00.3	F5	CZ	18619	P -44 9727
56	9.8E	9.0Z	4 34.461	0.0029	12	-45 45 30.53	-0.019	12	0.66	34.318	31	00.6	29.62	28	00.6	K0	CZ	18618	P -45 9875
57	9.3E	9.0*	4 47.667	-0.0035	12	-40 31 34.86	0.001	12	0.68	47.851	28	98.1	34.93	26	98.1	K0	CZ	18625	P -40 9202
58	9.9E	9.2Z	4 49.188	0.0031	12	-46 48 29.39	-0.014	12	0.71	49.044	45	03.6	28.76	45	03.6	G5	CZ	18621	P -47 9438
59	10.1E	9.5Z	4 49.949	0.0015	12	-46 28 45.49	-0.019	12	0.71	49.880	45	03.6	44.59	45	03.6	F5	CZ	18622	P -46 9901
60	8.2E	8.5*	4 53.863	-0.0022	12	-47 42 21.17	0.012	12	0.64	53.967	31	02.5	21.75	28	02.5	F0	CZ	18623	P -47 9440
61	9.9E	9.0Z	4 58.220	-0.0008	12	-47 27 28.51	-0.006	12	0.70	58.257	45	04.6	28.26	45	04.6	K0	CZ	18624	P -47 9441
62		8.0T	5 4.225	0.0057	18	-46 26 47.83	-0.092	14	0.82	3.957	19	02.5	43.14	18	99.2	F5	GC	27917	C -4613399
63	10.2E	9.0Z	5 10.102	-0.0009	12	-46 27 0.37	-0.061	12	0.71	10.144	45	03.6	-57.52	45	03.6	G5	CZ	18627	P -46 9905
64	10.2E	9.1Z	5 13.075	0.0021	12	-45 34 30.44	-0.007	12	0.73	12.973	45	01.6	30.08	45	01.6	K0	CZ	18630	P -45 9879
65	9.0E	8.5Z	5 18.251	0.0010	12	-49 13 28.46	-0.017	12	0.63	18.203	31	03.2	27.65	28	03.2	F0	CZ	18628	P -4911157
66	10.3E	8.5Z	5 19.057	-0.0011	12	-48 41 39.74	-0.015	12	0.70	19.105	45	04.6	39.05	45	04.6	K0	CZ	18629	P -4810336
67		6.5T	5 28.672	0.0044	16	-47 12 49.36	-0.050	12	0.73	28.463	22	02.4	46.80	19	99.1	K5	GC	27932	C -4713262
68	9.2E	8.2Z	5 29.031	0.0028	12	-40 50 20.75	-0.029	12	0.86	28.888	63	98.7	19.28	57	98.7	K0	CZ	18634	P -41 9300
69	10.3E	9.3*	5 32.361	0.0012	12	-45 0 32.31	-0.024	12	0.66	31.306	31	00.6	31.10	28	00.6	F5	CZ	18633	P -45 9880
70	9.0E	7.5Z	5 46.981	0.0013	12	-47 19 2.90	-0.029	12	0.70	46.922	45	04.6	1.56	45	04.6	MB	CZ	18636	P -47 9446
71		7.7T	5 58.190	-0.0015	12	-44 3 49.87	-0.011	12	0.67	58.269	18	98.2	49.28	19	95.0	K0	GC	27943	C -4413755
72	9.2E	8.2Z	6 11.618	-0.0004	12	-45 30 49.12	-0.019	12	0.66	11.638	31	00.6	48.21	28	00.6	K0	CZ	18638	P -45 9883
73	9.8E	9.0Z	6 14.063	-0.0009	12	-42 38 54.71	-0.004	12	0.66	14.109	28	99.0	54.51	26	99.0	F0	CZ	18640	P -42 9022
74	10.3E	9.3Z	6 14.449	0.0114	12	-45 31 6.75	-0.209	12	0.73	13.897	45	01.6	-56.66	45	01.6	K0	CZ	18639	P -45 9884
75	9.8E	9.0Z	6 25.529	-0.0019	12	-43 30 1.56	-0.065	12	0.74	25.622	45	00.7	-58.35	45	00.7	G0	CZ	18641	P -43 9164
76	9.5E	8.5Z	6 34.487	0.0003	12	-41 59 39.60	-0.003	12	0.66	34.474	28	99.1	39.44	26	99.1	MA	CZ	18645	P -42 9023
77		7.1T	6 37.301	-0.0004	08	-44 2 29.52	-0.003	07	0.36	37.320	14	04.7	29.68	14	01.5	K0	GC	27959	C -4413763
78	9.9E	8.9Z	6 40.406	0.0012	12	-45 31 13.66	-0.046	12	0.73	40.348	45	01.6	11.41	45	01.6	K0	CZ	18644	P -45 9886
79	9.6E	9.0Z	6 40.537	0.0002	12	-47 28 48.46	0.002	12	0.70	40.528	45	04.6	48.56	45	04.6	F8	CZ	18642	P -47 9450
80	8.8E	9.0Z	6 54.970	0.0019	12	-41 17 40.40	0.010	12	0.67	54.874	28	98.9	40.93	26	98.9	F5	CZ	18649	P -41 9304
81	10.0E	9.0Z	7 1.750	0.0003	12	-46 21 9.94	-0.000	12	0.71	1.737	45	03.6	9.92	45	03.6	MA	CZ	18647	P -46 9913
82	9.8E	9.4Z	7 1.837	0.0015	12	-44 16 57.30	0.001	12	0.73	1.763	45	01.2	57.34	45	01.2	A5	CZ	18650	P -44 9735
83		7.0T	7 4.866	0.0038	11	-46 52 58.51	-0.051	09	0.44	4.714	15	09.8	56.29	15	06.7	K0	GC	27967K	C -4713275
84		7.8T	7 22.338	0.0024	13	-43 45 4.85	-0.009	12	0.66	22.225	17	02.2	4.41	19	99.0	A3	GC	27975	C -4313836
85	9.3E	8.7Z	7 28.924	-0.0017	12	-49 15 14.17	0.021	12	0.70	27.000	45	05.1	15.10	45	05.1	F8	CZ	18651	P -4911164
86	9.8E	8.5Z	7 29.192	-0.0014	12	-47 21 48.89	0.013	12	0.64	29.259	31	02.6	49.52	28	02.6	G5	CZ	18653	P -47 9453
87		8.0T	7 37.299	0.0009	16	-43 37 25.05	-0.003	12	0.74	37.256	18	00.6	24.91	17	96.6	F0	GC	27981	C*-4313840
88		8.7T	7 46.146	0.0016	18	-48 31 43.30	-0.038	18	0.87	46.072	22	04.5	41.53	19	03.3	A3	GC	27989	C -4813449
89		6.7T	7 47.956	0.0001	07	-43 48 40.29	0.012	06	0.36	47.953	12	04.6	40.93	14	97.4	G5	GC	27990	C -4413775
90	9.5E	8.5Z	8 18.114	-0.0022	12	-47 13 22.38	-0.058	12	0.65	18.213	36	04.6	19.73	36	04.6	F8	CZ	18659	P -47 9458
91	8.9E	8.5*	8 22.880	0.0005	12	-43 11 22.71	0.014	12	0.64	22.856	26	00.2	23.42	24	00.2	F0	CZ	18662	P -43 9171
92	10.8E	8.9*	8 24.028	-0.0004	12	-48 8 32.93	-0.021	12	0.62	24.046	28	03.3	31.97	26	03.3		CZ	18660	P -4810344
93	10.4E	9.0Z	8 24.354	0.0006	12	-45 31 18.97	0.003	12	0.67	24.325	36	02.9	19.13	36	02.9	K0	CZ	18661	P -45 9889
94		9.3T	8 31.754	-0.0017	17	-47 37 6.39	-0.026	15	0.83	31.839	18	00.1	4.93	18	98.5	G0	GC	28002	C -4713285
95	10.0E	9.5Z	8 32.190	0.0005	12	-40 13 38.70	0.002	12	0.68	32.166	28	97.8	38.83	26	97.8	F0	CZ	18667	P -40 9223
96	9.3E	9.0Z	8 34.476	0.0012	12	-44 24 40.39	0.002	12	0.65	34.417	28	00.6	40.49	26	00.6	A0	CZ	18665	P -44 9746
97	9.8E	9.5Z	8 37.134	0.0007	12	-43 32 51.74	0.009	12	0.69	37.098	36	01.0	52.17	36	01.0	A3	CZ	18666	P -43 9172
98	10.9E	9.4*	8 48.979	0.0003	12	-45 0 21.96	0.002	12	0.63	48.963	28	01.8	22.08	26	01.8	K2	CZ	18669	P -45 9893
99	9.5E	9.0H	8 49.631	0.0010	12	-46 19 0.26	0.005	12	0.62	49.585	28	02.8	0.51	26	02.8	A0	CZ	18668	P -46 9921
00		6.3T	8 57.991	-0.0014	11	-42 55 45.28	-0.115	09	0.55	58.063	15	97.3	38.81	14	93.5	K0	GC	28017	C -4313855

230100 — EPOCH 1950 — ORIGINAL EPOCH — -40° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.9E	9.6*	20 9 7.479	-0.0014	12	-49 35 1.40	-0.019	12	0.63	7.546	31	03.2	0.49	28	03.2	G0	CZ	18671	P -4911174
2	10.3E	9.5Z	9 15.232	0.0041	12	-46 14 37.27	-0.007	12	0.65	15.045	36	04.2	36.92	36	04.2	G5	CZ	18673	P -46 9926
3	10.2E	9.8Z	9 24.229	0.0015	12	-47 39 55.76	-0.006	12	0.65	24.160	36	04.6	55.50	36	04.6	F5	CZ	18674	P -47 9460
4	9.6E	9.0Z	9 40.269	-0.0005	12	-48 28 52.82	0.010	12	0.70	40.312	45	04.6	53.27	45	04.6	K0	CZ	18675	P -4813046
5	8.8E	8.5H	9 54.237	-0.0010	12	-46 21 5.40	-0.053	12	0.70	54.283	45	05.1	3.00	45	05.1	G0	CZ	18677	P -46 9929
6		6.6T	9 56.699	-0.0014	13	-47 51 51.09	-0.052	11	0.67	56.771	18	99.2	48.14	18	93.6	K0	GC	28044	C -4813464
7	9.5E	9.0Z	10 0.170	-0.0002	12	-41 53 16.98	-0.008	12	0.66	0.182	28	99.1	16.56	26	99.1	A0	CZ	18680	P -42 9028
8	7.8E	8.5Z	10 3.474	0.0008	12	-45 44 30.73	-0.000	12	0.65	3.433	31	01.6	30.71	28	01.6	A0	CZ	18679	P -45 9898
9	9.7E	9.2H	10 11.280	0.0003	12	-44 45 35.01	0.010	12	0.66	11.264	31	00.3	35.51	28	00.3	F8	CZ	18681	P -44 9756
10		7.8T	10 19.406	0.0731	26	-45 18 47.23	-0.133	20	1.06	16.087	21	04.6	41.05	19	03.6	K5	GC	28057	C*-4513677
11	10.0E	9.5H	10 21.385	-0.0011	12	-46 42 29.12	-0.022	12	0.64	21.437	31	02.9	28.06	28	02.9	A0	CZ	18683	P -46 9931
12	9.8E	9.5Z	10 37.752	0.0029	12	-48 21 28.54	-0.013	12	0.64	37.616	31	02.9	27.92	28	02.9	G0	CZ	18684	P -4810351
13		8.4T	10 37.992	0.0073	20	-44 19 29.10	-0.036	20	0.91	37.668	24	05.5	27.50	24	05.1	F8	GC	28067	C -4413819
14	10.2E	9.3*	10 43.566	0.0006	12	-47 36 55.64	0.024	12	0.64	43.537	31	02.6	56.79	28	02.6	F5	CZ	18685	P -47 9465
15	9.9E	8.8Z	10 56.823	-0.0000	12	-43 12 19.79	-0.012	12	0.66	56.823	28	99.6	19.19	26	99.6	K0	CZ	18688	P -43 9178
16	9.6E	9.0Z	11 22.525	-0.0039	12	-44 13 35.35	0.025	12	0.73	22.715	45	01.2	36.57	45	01.2	G0	CZ	18689	P -44 9762
17		8.3T	11 25.522	-0.0045	20	-44 12 37.46	0.013	20	0.95	25.736	21	02.6	38.09	19	02.6	G0	GC	28081	C -4413829
18		8.2T	11 32.350	0.0015	17	-43 49 51.53	-0.011	14	0.81	32.251	17	00.6	50.97	17	97.8	A2	GC	28085	C -4413830
19	10.9E	9.4Z	11 40.529	0.0003	12	-46 12 23.17	0.001	12	0.70	40.517	45	05.1	23.24	45	05.1	F5	CZ	18692	P -46 9933
20	11.1E	9.9Z	11 40.989	0.0016	12	-46 12 26.97	-0.004	12	0.70	40.918	45	05.1	26.81	45	05.1	F5	CZ	18693	P -46 9933
21	10.2E	9.3*	11 58.360	0.0014	12	-49 7 33.41	-0.015	12	0.63	58.294	31	03.2	32.70	28	03.2	A0	CZ	18694	P -4911187
22	9.4E	8.6Z	12 8.683	0.0024	12	-40 11 6.20	-0.005	12	0.86	8.562	63	98.7	5.96	57	98.7	G5	CZ	18698	P -40 9246
23	9.6E	9.0Z	12 16.907	-0.0008	12	-42 29 10.34	-0.028	12	0.66	16.949	28	99.0	8.92	26	99.0	G5	CZ	18699	P -42 9036
24	10.0E	9.0Z	12 17.433	-0.0009	12	-48 33 45.71	-0.011	12	0.64	17.473	31	02.9	45.18	28	02.9	F8	CZ	18697	P -4810356
25	11.1E	9.5*	12 42.345	0.0008	12	-46 43 0.93	0.005	12	0.64	42.307	31	02.9	1.18	28	02.9	K0	CZ	18700	P -46 9936
26	9.5E	9.0Z	12 49.657	0.0012	12	-41 8 31.37	-0.026	12	0.75	49.598	45	99.7	30.08	45	99.7	F8	CZ	18701	P -41 9328
27		6.8T	12 51.620	0.0001	09	-41 37 57.82	-0.024	08	0.41	51.615	14	05.6	56.72	14	04.0	K0	GC	28132	C -4113939
28	8.6E	9.0*	13 3.312	0.0005	12	-40 21 14.42	0.005	12	0.68	3.288	28	97.8	14.70	26	97.8	F0	CZ	18705	P -40 9258
29	9.0E	8.5Z	13 3.891	0.0004	12	-46 3 45.07	-0.006	12	0.62	3.873	28	03.3	44.81	26	03.3	F8	CZ	18703D	P*-46 9938
30	9.7E	8.6Z	13 17.165	0.0009	12	-40 36 56.62	-0.015	12	0.76	17.120	45	98.7	55.87	45	98.7	K2	CZ	18706	P -40 9259
31		7.2T	13 28.024	0.0057	13	-41 3 36.07	-0.058	12	0.68	27.727	18	98.0	32.96	17	96.6	F5	GC	28146	C -4113942
32	9.8E	8.5Z	14 10.480	-0.0020	12	-45 23 3.14	-0.029	12	0.63	10.575	28	02.5	1.78	26	02.5	K0	CZ	18709	P -45 9909
33	9.4E	8.5Z	14 12.703	0.0084	12	-46 6 42.41	-0.075	12	0.65	12.325	36	05.0	39.02	36	05.0	K2	CZ	18710	P -46 9941
34		7.6Q	14 28.625	0.0003	16	-40 20 26.88	0.010	13	0.76	28.611	18	02.0	27.39	21	98.5	F5	GC	28177K	C*-4013785
35		8.0Q	14 29.437	0.0009	17	-40 20 30.99	0.020	14	0.77	29.395	18	02.7	31.96	17	00.9	F5	GC	28178K	C -4013785
36	9.2E	8.0Z	14 33.482	-0.0026	12	-48 59 10.20	-0.022	12	0.63	33.603	31	03.2	9.17	28	03.2	K0	CZ	18712	P -4911192
37	10.5E	9.6*	14 41.214	-0.0003	12	-47 38 43.61	-0.028	12	0.64	41.228	31	02.6	42.30	28	02.6	F8	CZ	18713	P -47 9474
38	10.6E	9.8Z	14 42.386	0.0014	12	-40 19 32.20	-0.051	12	0.68	42.315	28	97.7	29.55	26	97.7	G0	CZ	18717	P -40 9270
39	9.7E	9.0*	14 47.463	0.0035	12	-41 39 34.60	-0.021	12	0.67	47.286	28	98.9	33.51	26	98.9	G0	CZ	18718	P -41 9336
40		7.2T	14 50.270	0.0030	08	-43 0 54.97	-0.039	08	0.39	50.138	15	06.4	53.23	15	04.8	F0	GC	28187	C -4313915
41	9.5E	8.4*	15 2.401	-0.0002	12	-41 3 42.82	-0.025	12	0.66	2.413	28	99.0	41.56	26	99.0	K2	CZ	18721	P -41 9338
42	8.8E	8.5Z	15 8.747	-0.0056	12	-48 44 40.40	-0.000	12	0.64	9.009	31	02.9	40.39	28	02.9	F5	CZ	18720	P -4810370
43		7.4T	15 14.178	0.0034	14	-42 46 30.83	-0.116	13	0.70	14.013	18	01.9	24.88	19	98.5	G0	GC	28198	C -4313919
44		6.3H	15 21.232	0.0007	04	-47 52 3.18	0.002	04	0.16	21.210	09	18.9	3.25	09	19.1	M0	F4	1528	C -4813509
45	11.1E	10.0*	15 26.079	0.0004	12	-49 46 45.93	-0.006	12	0.61	26.062	28	03.6	45.63	26	03.6		CZ	18723	P -5011332
46		7.6T	15 28.358	0.0013	08	-44 40 53.05	0.010	07	0.36	28.301	15	05.6	53.56	14	01.2	K0	GC	28206	C*-4413869
47	9.9E	9.5Z	15 29.211	0.0016	12	-41 52 0.59	-0.006	12	0.67	29.131	28	98.8	0.28	26	98.8	K2	CZ	18727	P -42 9048
48	10.3E	9.8*	15 35.348	0.0015	12	-48 5 59.39	0.007	12	0.64	35.278	31	02.9	59.73	28	02.9	G0	CZ	18725	P -4810372
49	9.4E	9.0Z	15 42.126	0.0002	12	-42 26 36.95	0.035	12	0.73	42.117	45	01.2	38.66	45	01.2	G5	CZ	18729	P -42 9050
50		6.3T	15 42.635	0.0198	13	-47 44 5.87	-0.182	09	0.62	41.634	17	99.4	-55.38	18	92.5	F5	GC	28213	C -4713340
51	10.5E	9.4Z	20 15 52.454	0.0014	12	-43 29 28.23	-0.004	12	0.66	52.381	28	99.2	28.03	26	99.2	F5	CZ	18730	P -43 9199
52	9.6E	9.0Z	15 56.658	0.0008	12	-42 53 31.61	0.006	12	0.73	56.620	45	01.7	31.91	45	01.7	F2	CZ	18731	P -43 9200
53	9.2E	8.3H	16 1.756	-0.0039	12	-44 54 30.44	-0.159	12	0.69	1.929	45	05.5	23.35	45	05.5	G5	CZ	18732	P -45 9913
54	10.1E	9.0*	16 6.925	-0.0358	12	-46 35 3.28	-0.090	12	0.64	8.609	31	02.9	-59.07	28	02.9	K2	CZ	18733	P -46 9951
55	8.6E	8.2Z	16 18.388	0.0016	12	-40 48 18.34	-0.032	12	0.86	18.307	63	98.8	16.72	57	98.8	K0	CZ	18737	P -41 9346
56	10.5E	9.5Z	16 28.048	-0.0009	12	-40 6 39.45	-0.049	12	0.68	28.097	28	97.7	36.91	26	97.7	G0	CZ	18738	P -40 9275
57	9.9E	9.0Z	16 28.693	-0.0001	12	-46 53 40.12	-0.012	12	0.64	28.698	31	02.6	39.57	28	02.6	G0	CZ	18736	P -47 9481
58	9.5E	9.0Z	16 30.789	0.0009	12	-48 38 9.46	-0.001	12	0.70	30.747	45	04.6	9.40	45	04.6	A0	CZ	18735	P -4810373
59	9.3E	8.8Z	16 51.982	0.0037	12	-42 50 16.16	0.012	12	0.83	51.804	63	01.7	16.75	57	01.7	G0	CZ	18741	P -43 9204
60	10.2E	8.0Z	16 55.337	0.0007	12	-49 26 26.13	-0.003	12	0.70	55.305	45	05.1	25.98	45	05.1	K0	CZ	18739	P -4911202
61		7.5T	16 57.764	-0.0023	20	-43 3 36.06	-0.014	15	0.85	57.866	24	04.9	35.40	22	00.9	K0	GC	28250	C -4313932
62	10.2E	9.3*	16 57.982	0.0134	12	-47 22 7.86	-0.025	12	0.64	57.348	31	02.6	6.70	28	02.6	K0	CZ	18740	P -47 9483
63	9.8E	9.5Z	17 5.078	0.0035	12	-42 27 53.17	-0.018	12	0.67	4.899	28	98.7	52.25	26	98.7	G0	CZ	18744	P -42 9058
64	10.1E	8.5Z	17 22.897	0.0009	12	-48 27 35.11	-0.008	12	0.70	22.857	45	04.6	34.73	45	04.6	K0	CZ	18746	P -4810377
65		7.3T	17 24.189	0.0055	17	-45 42 12.90	-0.079	13	0.77	23.935	24	03.4	8.86	21	99.0	F5	GC	28270K	C -4513741
66	9.6E	8.9*	18 6.102	-0.0016	12	-45 8 44.79	-0.044	12	0.62	6.175	28	03.0	42.75	26	03.0	F0	CZ	18751	P -45 9919
67	10.5E	9.5Z	18 7.698	-0.0008	12	-43 58 51.91	0.015	12	0.63	7.736	28	01.8	52.64	26	01.8	F0	CZ	18752	P -44 9790
68		9.2T	18 21.182	0.0010	20	-44 14 32.06	-0.024	22	0.95	21.139	24	06.3	31.04	26	07.0	K0	GC	28298	C -4413897
69		7.2T	18 26.980	0.0001	15	-40 54 54.43	0.033	18	0.87	26.975	22	01.8	56.12	21	98.2	M0	GC	28300	C -4113988
70	9.1E	9.0Z	18 27.237	-0.0002	12	-45 47 56.47	-0.006	12	0.62	27.247	28	03.0	56.21	26	03.0	A0	CZ	18753	P -46 9961
71	10.6E	9.3*	18 38.048	0.0002	12	-47 38 41.64	-0.003	12	0.62	38.038	28	03.1	41.52	26	03.1	G5	CZ	18756	P -47 9491
72	10.9E	9.7*	18 38.959	-0.0004	12	-48 15 12.47	-0.079	12	0.62	38.977	28	03.3	8.80	26	03.3	G0	CZ	18755	P -4810379
73	9.0E	8.2H	18 39.342	-0.0022	12	-49 36 26.33	-0.024	12	0.63	39.446	31	03.2	25.19	28	03.2	K0	CZ	18754	P -4911209
74	9.8E	9.0Z	18 41.683	0.0006	12	-40 18 17.02	-0.004	12	0.86	41.654	63	98.8	16.83	57	98.8	F0	CZ	18758	P -40 9284
75	9.6E	9.0Z	18 54.786	0.0006	12	-46 36 35.00	-0.015	12	0.62	54.758	28	02.8	34.31	26	02.8	F0	CZ	18760	P -46 9965
76		7.5T	18 59.797	0.0012	10	-49 1 32.09	0.031	09	0.44	59.745	14	07.8	33.45	15	06.2	K0	GC	28308	C -4913082
77		5.6H	19 4.166	0.0032	03	-42 12 31.95	-0.091	03	0.12	4.067	07	18.7	29.11	06	18.8	A0	F4	763	C -4214836
78		8.0T	19 10.418	0.0023	20	-44 44 52.85	0.011	20	0.94	10.313	21	03.3	53.38	19	03.1	A3	GC	28310	C*-4413904
79	9.0E	8.5Z	19 18.476	0.0027	12	-43 6 58.02	0.008	12	0.73	18.347	45	01.7	58.41	45	01.7	F0	CZ	18764	P -43 9212
80	9.2E	8.5Z	19 36.093	0.0039	12	-43 49 53.17	0.009	12	0.65	35.894	24	99.1	53.62	22	99.1	A5	CZ	18765	P -44 9795
81	10.1E	9.0Z	19 58.271	0.0011	12	-49 57 23.63	-0.012	12	0.70	58.222	45	04.6	23.06	45	04.6	F5	CZ	18767	P -5011348
82	10.8E	9.3*	20 14.571	-0.0019	12	-47 8 9.21	-0.039	12	0.64	14.661	31	02.6	7.34	28	02.6	K0	CZ	18769	P -47 9500
83	9.3E	9.2Z	20 25.708	0.0024	12	-48 23 23.28	-0.039	12	0.70	25.599	45	04.6	21.50	45	04.6	F0	CZ	18770	P -4810388
84		5.7T	20 29.579	0.0000	11	-42 35 6.24	0.025	09	0.56	29.577	18	97.6	7.68	15	93.6	A3	GC	28341K	C*-4214847
85		6.9T	20 38.469	0.0029	15	-41 57 27.09	-0.020	10	0.68	38.327	22	01.2	25.97	19	93.5	K0	GC	28348	C -4214851
86	9.5E	9.5Z	20 38.574	0.0008	12	-42 40 47.82	-0.010	12	0.71	38.538	45	03.6	47.36	45	03.6	A2	CZ	18772	P -42 9070
87		7.7T	20 42.189	0.0015	11	-40 59 42.51	-0.061	11	0.48	42.127	15	09.1	39.82	15	06.2	K0	GC	28352	C -4114009
88	10.2E	8.7Z	20 52.710	-0.0013	12	-41 13 36.13	0.007	12	0.72	52.774	45	02.1	36.48	45	02.1	K0	CZ	18777	P -41 9365
89	9.6E	8.5Z	20 58.112	0.0001	12	-48 28 35.40	-0.009	12	0.64	58.108	31	02.8	34.97	28	02.8	G5	CZ	18776	P -4810390
90		8.0T	21 2.963	0.0024	14	-41 49 53.31	-0.005	11	0.68	2.842	17	99.8	53.06	21	98.2	K2	GC	28361	C -4214855
91	9.9E	9.0Z	21 11.180	-0.0005	12	-43 18 13.86	0.014	12	0.73	11.205	45	01.7	14.54	45	01.7	G5	CZ	18779	P -43 9219
92	10.6E	9.5*	21 34.939	0.0015	12	-45 28 3.59	-0.017	12	0.66	34.865	31	00.6	2.72	28	00.6	F8	CZ	18780	P -45 9930
93		7.7T	21 34.991	0.0014	17	-40 53 47.88	0.003	13	0.78	34.923	18	01.6	48.02	19	97.4	A2	GC	28370	C -4114015
94	11.0E	9.8*	21 39.856	0.0028	12	-43 57 13.95	-0.051	12	0.65	39.721	31	01.9	11.49	28	01.9	F8	CZ	18781	P -44 9801
95	9.6E	8.3Z	21 43.321	-0.0029	12	-41 24 14.24	-0.012	12	0.72	43.461	45	02.1	13.66	45	02.1	K0	CZ	18783	P -41 9371
96	8.9E	8.5Z	22 10.730	0.0002	12	-42 57 57.74	-0.013	12	0.67	10.720	28	98.9	57.08	26	98.9	A2	CZ	18785	P -43 9226
97		6.1T	22 27.832	-0.0091	10	-40 57 31.99	-0.090	08	0.51	28.307	17	97.8	26.95	15	94.2	K0	GC	28395	C -4114024
98	10.5E	9.7*	22 31.988	0.0006	12	-47 43 30.87	-0.002	12	0.64	31.959	31	02.6	30.79	28	02.6	G0	CZ	18786D	P*-47 9507
99		7.0T	22 33.299	-0.0014	11	-46 49 25.23	-0.018	09	0.45	33.358	14	08.4	24.44	15	07.0	A5	GC	28397	C -4713399
00	9.4E	9.5Z	22 33.749	0.0009	12	-46 19 19.57	-0.005	12	0.65	33.707	31	01.9	19.36	28	01.9	A2	CZ	18790	P -46 9975

230200 — EPOCH 1950 — ORIGINAL EPOCH — -40° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8E	9.0Z	20 22 55.808	0.0019	12	-46 13 0.74	-0.068	12	0.66	55.721	36	04.0	-57.63	36	04.0	G0	CZ	18792	P -46 9979
2	8.5E	8.5Z	23 4.433	0.0032	12	-48 7 33.58	-0.013	12	0.64	4.282	31	02.9	32.99	28	02.9	F0	CZ	18793	P -4810398
3	9.6E	9.5Z	23 8.672	0.0029	12	-48 8 7.47	-0.021	12	0.70	8.540	45	04.6	6.53	45	04.6	F	CZ	18795	P -4810399
4	10.1E	9.8H	23 12.226	-0.0003	12	-49 40 26.01	0.018	12	0.64	12.241	31	02.7	26.84	28	02.7	F0	CZ	18796	P -4911225
5		7.7T	23 17.472	0.0021	17	-42 13 12.43	0.020	14	0.79	17.370	17	01.5	13.46	17	98.9	A2	GC	28411	C -4214882
6	9.8E	9.4Z	23 17.915	0.0003	12	-46 36 25.65	-0.031	12	0.66	17.901	36	04.0	24.25	36	04.0	F2	CZ	18797	P -46 9980
7	9.5E	8.5Z	23 18.684	0.0104	12	-43 43 43.74	-0.094	12	0.65	18.161	26	99.7	39.02	24	99.7	K0	CZ	18798	P -43 9229
8	10.0E	8.5Z	23 23.438	-0.0018	12	-40 52 39.25	-0.004	12	0.64	23.529	24	00.1	39.07	22	00.1	K0	CZ	18804	P -41 9377
9	9.3E	8.5Z	23 25.270	0.0013	12	-45 45 29.86	-0.007	12	0.63	25.209	20	02.3	29.55	26	02.3	K2	CZ	18800	P -46 9981
10	9.6E	9.0Z	23 26.394	0.0004	12	-40 34 39.77	0.000	12	0.76	26.375	45	98.7	39.79	45	98.7	K2	CZ	18806	P -40 9298
11	8.2E	8.0Z	23 27.457	0.0005	12	-41 9 37.48	-0.009	12	0.64	27.434	26	00.2	37.05	24	00.2	A2	CZ	18807	P -41 9378
12	8.1E	8.0Z	23 28.620	0.0008	12	-47 25 28.05	-0.010	12	0.62	28.583	28	03.1	27.60	26	03.1	F0	CZ	18801	P -47 9511
13	9.9E	9.5Z	23 32.793	0.0044	12	-45 49 12.44	-0.016	12	0.66	32.589	36	03.6	11.72	36	03.6	F8	CZ	18805	P -46 9982
14	8.0E	7.8H	23 36.083	-0.0018	12	-48 45 31.48	0.008	12	0.64	36.166	31	02.9	31.84	28	02.9	F2	CZ	18803	P -4911227
15	8.8E	8.2H	23 46.207	0.0012	12	-44 55 25.56	-0.004	12	0.62	46.149	26	02.3	25.36	24	02.3	F0	CZ	18808	P -45 9939
16	10.7E	10.0Z	23 54.713	0.0027	12	-43 34 34.00	-0.035	12	0.65	54.577	26	99.8	32.24	24	99.8	F8	CZ	18811	P -43 9230
17	8.9E	8.9Z	23 55.978	-0.0002	12	-48 48 4.47	-0.002	12	0.70	55.986	45	04.6	4.36	45	04.6	F2	CZ	18809D	P*-4911228
18	9.9E	8.5Z	24 3.726	0.0001	12	-49 55 56.45	0.010	12	0.71	3.723	45	03.7	56.89	45	03.7	M8	CZ	18810	P -5011362
19	9.7E	9.0Z	24 6.956	-0.0013	12	-48 36 22.45	0.021	12	0.70	7.014	45	04.6	23.40	45	04.6	K0	CZ	18812	P -4810402
20	9.1E	9.0Z	24 17.552	0.0018	12	-40 48 9.28	-0.063	12	0.86	17.462	63	98.7	6.06	57	98.7	F5	CZ	18816	P -41 9380
21	9.7E	9.2Z	24 25.451	0.0003	12	-48 56 25.13	-0.000	12	0.70	25.437	45	04.2	25.12	45	04.2	K0	CZ	18814	P -4911230
22	9.4E	8.5Z	24 32.833	0.0075	12	-42 47 3.08	-0.120	12	0.71	32.485	45	03.6	-57.52	45	03.6	F8	CZ	18819	P -43 9233
23	9.9E	10.0Z	24 33.869	-0.0032	12	-40 10 44.12	-0.017	12	0.68	34.037	28	98.1	43.26	26	98.1	F8	CZ	18821	P -40 9300
24	9.3E	8.8Z	24 33.981	0.0007	12	-48 34 10.89	-0.004	12	0.70	33.948	45	04.6	10.69	45	04.6	G5	CZ	18817	P -4810406
25	8.9E	8.0Z	24 35.222	-0.0004	12	-48 46 8.62	0.007	12	0.70	35.239	45	04.6	8.93	45	04.6	K2	CZ	18818	P -4911232
26	8.8E	8.2Z	24 36.047	0.0078	12	-42 47 1.14	-0.121	12	0.71	35.686	45	03.6	-55.53	45	03.6	F8	CZ	18820	P -43 9234
27	9.8E	9.5Z	24 52.460	0.0016	12	-47 7 19.58	0.008	12	0.70	52.387	45	04.6	19.96	45	04.6	K2	CZ	18823	P -47 9518
28	10.0E	8.0Z	24 55.265	0.0011	12	-48 35 23.88	-0.003	12	0.70	55.213	45	04.6	23.74	45	04.6	K2	CZ	18822	P -4810407
29	9.5E	9.0Z	24 57.677	-0.0007	12	-48 50 36.09	-0.019	12	0.70	57.708	45	04.2	35.20	45	04.2	F0	CZ	18824	P -4911233
30	10.0E	9.5Z	25 3.722	0.0004	12	-47 4 44.08	-0.017	12	0.64	3.703	31	02.6	43.30	28	02.6	F2	CZ	18825	P -47 9519
31	11.0E	9.8H	25 23.688	0.0031	12	-44 21 58.57	0.011	12	0.65	23.537	31	01.0	59.11	28	01.0	F5	CZ	18828	P -44 9813
32	10.3E	9.2Z	25 27.571	0.0008	12	-42 18 38.86	-0.061	12	0.64	27.534	28	01.5	35.89	26	01.5	G0	CZ	18829	P -42 9086
33	9.6E	8.5Z	25 31.465	0.0053	12	-48 36 11.03	-0.049	12	0.64	31.214	31	02.9	8.71	28	02.9	F5	CZ	18827	P -4810409
34	9.0E	9.0Z	25 38.056	-0.0003	12	-43 24 57.51	0.002	12	0.65	38.070	28	00.1	57.60	26	00.1	A0	CZ	18832	P -43 9241
35	8.1E	8.4*	25 49.460	0.0016	12	-49 56 59.30	-0.003	12	0.64	49.385	31	02.4	59.14	28	02.4	A0	CZ	18831	P -5011369
36	9.8E	9.0Z	25 56.990	-0.0033	12	-48 16 20.41	-0.002	12	0.70	57.140	45	04.6	20.34	45	04.6	K0	CZ	18833	P -4810411
37	8.8E	8.5Z	26 2.508	0.0000	12	-45 33 0.71	0.002	12	0.65	2.508	31	01.2	0.83	28	01.2	A2	CZ	18834	P -45 9953
38		7.5T	26 8.899	0.0007	17	-46 19 7.54	-0.029	12	0.76	8.868	19	01.9	6.02	18	97.9	A0	GC	28490K	C*-4613573
39		7.5T	26 14.163	-0.0007	16	-41 34 1.58	0.012	13	0.76	14.197	18	00.2	2.22	17	97.3	F0	GC	28494	C -4114061
40	9.6E	9.0Z	26 24.054	0.0009	12	-48 9 0.97	-0.014	12	0.70	24.013	45	04.6	0.35	45	04.6	F8	CZ	18836	P -4810412
41	9.7E	8.9Y	26 34.988	0.0006	12	-40 32 32.01	0.004	12	0.68	34.958	28	98.0	32.23	26	98.0	F0	CZ	18840	P -40 9303
42	9.1E	8.9H	26 44.384	0.0017	12	-49 36 32.40	-0.017	12	0.64	44.305	31	02.6	31.57	28	02.6	A2	CZ	18838	P -4911240
43	10.6E	9.9*	26 47.897	0.0025	12	-49 13 13.68	0.014	12	0.64	47.778	31	02.7	14.33	28	02.7	G0	CZ	18839	P -4911241
44	10.3E	8.8H	26 48.241	-0.0009	12	-44 40 35.12	0.002	12	0.65	48.285	31	01.0	35.22	28	01.0	K0	CZ	18841	P -44 9823
45	9.7E	9.3Z	26 50.662	0.0013	12	-40 24 20.40	-0.008	12	0.86	50.597	63	98.7	20.00	57	98.7	F8	CZ	18843	P -40 9306
46	9.8E	9.0Z	26 52.404	-0.0020	12	-46 37 25.16	0.017	12	0.65	52.500	31	01.9	25.95	28	01.9	F2	CZ	18842	P -4610000
47	9.9E	9.0H	26 59.276	0.0036	12	-44 37 25.38	-0.080	12	0.72	59.104	45	02.2	21.08	45	02.2	G0	CZ	18845	P -44 9825
48	9.4E	9.0Z	27 8.340	0.0026	12	-49 33 14.88	-0.000	12	0.70	8.222	45	04.2	14.86	45	04.2	A2	CZ	18844	P -4911245
49		8.9T	27 30.186	0.0023	22	-42 59 23.26	0.017	16	0.99	30.077	19	03.2	24.10	18	01.8	A5	GC	28516	C -4314025
50	9.5E	9.0Z	27 45.647	0.0041	12	-48 15 53.48	0.008	12	0.62	45.455	28	03.3	53.67	26	03.3	F2	CZ	18848	P -4810419
51	9.1E	8.0H	20 27 55.511	0.0041	12	-44 32 49.98	-0.021	12	0.63	55.313	28	01.9	48.98	26	01.9	K0	CZ	18850	P -44 9827
52	9.6E	9.0Z	27 59.986	0.0008	12	-48 10 39.14	-0.010	12	0.65	59.963	36	04.6	38.71	36	04.6	G5	CZ	18849	P -4810421
53	9.2E	8.4H	28 9.227	0.0015	12	-44 54 56.43	-0.014	12	0.64	9.154	28	01.7	55.74	26	01.7	K0	CZ	18851	P -45 9963
54		9.1T	28 11.316	0.0006	16	-44 9 2.01	-0.001	20	0.89	11.290	24	04.7	1.98	24	04.5	K0	GC	28530	C -4413997
55	10.4E	9.0Z	28 14.632	-0.0033	12	-42 11 3.32	-0.035	12	0.62	14.790	26	02.4	1.65	24	02.4	K5	CZ	18854	P -42 9097
56	10.2E	9.3Z	28 18.372	0.0041	12	-48 49 51.68	-0.006	12	0.81	18.184	63	04.6	51.40	57	04.6	F8	CZ	18853	P -4911251
57		7.5T	28 32.470	0.0083	14	-41 4 9.46	-0.121	13	0.69	32.066	18	01.3	3.64	19	02.0	G0	GC	28538K	C*-4114071
58	9.0E	8.5Z	28 41.744	-0.0006	12	-45 31 30.87	-0.007	12	0.67	41.773	36	02.7	30.56	36	02.7	F0	CZ	18857D	P -45 9966
59	10.0E	9.7Z	28 42.165	0.0014	12	-45 31 24.91	0.013	12	0.67	42.099	36	02.7	25.54	36	02.7	F0	CZ	18858D	P -45 9966
60	9.2E	8.8Z	28 44.495	-0.0032	12	-49 17 8.56	-0.006	12	0.70	44.640	45	04.2	8.27	45	04.2	F5	CZ	18855	P -4911252
61	10.4E	8.8*	28 53.532	-0.0014	12	-45 59 36.98	-0.024	12	0.63	53.599	28	02.1	35.80	26	02.1	K5	CZ	18859	P -4610008
62	9.5E	9.0Z	29 0.054	-0.0003	12	-45 33 42.47	0.025	12	0.64	0.069	28	01.7	43.70	26	01.7	F8	CZ	18860	P -45 9970
63	9.9E	8.9*	29 5.358	0.0006	12	-47 24 46.66	-0.022	12	0.62	5.330	28	03.1	45.64	26	03.1	K0	CZ	18861	P -47 9529
64	9.0E	8.5Z	29 15.947	-0.0006	12	-48 56 27.49	0.003	12	0.64	15.970	31	02.7	27.62	28	02.7	K0	CZ	18862	P -4911256
65	10.9E	9.8*	29 16.503	-0.0020	12	-47 53 14.65	0.001	12	0.61	16.595	26	03.3	14.71	24	03.3	F5	CZ	18863	P -4810429
66	9.9E	9.5Z	29 23.419	0.0058	12	-40 25 12.82	-0.050	12	0.86	23.124	63	98.7	10.27	57	98.7	G0	CZ	18864	P -40 9311
67		8.1T	29 44.303	-0.0032	22	-43 29 48.46	-0.034	22	1.06	44.449	19	04.0	46.90	19	03.5	K5	GC	28567	C -4314049
68		7.0T	30 2.647	-0.0062	15	-41 41 36.84	-0.194	13	0.75	2.963	15	99.1	26.48	15	96.5	G0	GC	28581	C -4114087
69	9.5E	8.7Z	30 4.802	0.0036	12	-41 31 24.62	-0.020	12	0.73	4.627	45	01.1	23.62	45	01.1	F5	CZ	18869	P -41 9394
70	9.7E	9.3*	30 8.169	-0.0022	12	-46 44 5.63	-0.023	12	0.65	8.276	31	02.0	4.50	28	02.0	F8	CZ	18866	P -4610013
71	9.6E	8.4Z	30 11.003	0.0001	12	-41 6 24.80	-0.040	12	0.65	11.000	28	00.5	22.82	26	00.5	K0	CZ	18870	P -41 9395
72	10.6E	9.0Z	30 19.544	0.0002	12	-40 53 50.91	-0.004	12	0.65	19.536	28	00.4	50.71	26	00.4	K5	CZ	18872	P -41 9397
73	10.1E	9.6Z	30 24.480	-0.0003	12	-41 1 18.52	-0.004	12	0.73	24.496	45	02.1	18.33	45	02.1	F2	CZ	18874	P -41 9399
74		9.7B	30 27.420	0.0001	17	-40 43 45.61	0.002	13	0.76	27.414	22	03.0	45.70	21	00.7		GC	28586K	C -4013926
75		7.8B	30 27.712	0.0009	15	-40 43 43.18	-0.014	12	0.70	27.666	18	01.0	42.45	19	98.1	A0	GC	28587K	C*-4013926
76		5.3T	30 29.353	0.0015	08	-44 41 13.91	-0.035	06	0.31	29.292	10	09.5	12.34	10	05.6	K0	GC	28588	C*-4414020
77	9.6E	9.0Z	30 42.297	0.0016	12	-48 26 47.35	-0.012	12	0.64	42.219	31	02.9	46.78	28	02.9	F8	CZ	18876	P -4810434
78	10.4E	9.7*	30 49.486	-0.0007	12	-49 15 23.79	0.011	12	0.64	49.521	31	02.7	24.30	28	02.7	F5	CZ	18877	P -4911260
79		6.7T	30 52.666	0.0061	16	-43 37 7.71	-0.096	13	0.76	52.375	22	02.2	2.77	21	98.3	K0	GC	28596	C -4314058
80	10.4E	9.3*	30 56.995	-0.0014	12	-43 58 13.84	-0.016	12	0.65	57.061	31	01.9	13.06	28	01.9	K0	CZ	18879	P -44 9841
81	9.8E	8.5Z	31 18.649	-0.0033	12	-45 15 37.71	-0.016	12	0.65	18.610	31	01.3	36.91	28	01.3	F8	CZ	18880	P -45 9981
82		7.6T	31 33.289	0.0002	11	-42 9 32.55	-0.013	10	0.45	33.279	15	10.1	32.03	17	09.0	A2	GC	28615	C -4214977
83	9.8E	9.0Z	31 37.745	0.0002	12	-40 53 10.09	-0.042	12	0.73	37.737	45	02.1	8.08	45	02.1	F8	CZ	18884	P -41 9402
84	9.7E	9.0Z	31 41.573	0.0131	12	-49 55 29.30	-0.122	12	0.63	40.948	28	02.4	23.47	26	02.4	G0	CZ	18881	P -5011389
85	9.3E	9.0Z	32 1.869	-0.0010	12	-40 27 25.85	-0.065	12	0.68	1.923	28	97.7	22.46	26	97.7	G0	CZ	18886	P -40 9321
86		9.1T	32 11.855	-0.0006	20	-44 11 40.25	-0.015	20	0.91	11.881	24	05.6	39.60	24	05.2	K0	GC	28640	C -4414040
87	10.6E	9.6*	32 14.206	0.0003	12	-47 56 57.45	0.010	12	0.64	14.194	31	02.9	57.90	28	02.9	G0	CZ	18885D	P*-4810437
88	9.3E	8.0Z	32 18.922	-0.0010	12	-43 35 21.01	-0.004	12	0.64	18.970	28	01.3	20.80	26	01.3	K0	CZ	18888	P -43 9265
89		6.5T	32 22.827	-0.0007	11	-44 30 39.96	-0.034	09	0.45	22.855	15	09.4	41.36	17	08.1	K0	GC	28646	C -4414043
90	10.8E	9.6Z	32 31.895	0.0042	12	-42 38 5.46	-0.028	12	0.64	31.692	28	01.4	4.10	26	01.4	K0	CZ	18891	P -42 9112
91	10.6E	9.6*	32 36.674	-0.0032	12	-47 43 41.89	0.012	12	0.62	36.825	28	03.3	42.48	26	03.3	G5	CZ	18890	P -47 9535
92		7.5T	33 3.448	0.0062	17	-45 43 54.85	0.029	13	0.77	3.145	15	01.1	56.30	15	99.4	A3	GC	28564K	C*-4513921
93	10.5E	9.4*	33 9.830	-0.0008	12	-46 11 8.04	-0.008	12	0.62	9.866	28	02.9	7.64	26	02.9	F0	CZ	18896	P -4610028
94	8.9E	8.5Z	33 17.724	0.0007	12	-45 38 2.13	0.016	12	0.67	17.689	36	02.7	2.86	36	02.7	F0	CZ	18897	P -45 9991
95	10.7E	9.8*	33 25.750	0.0002	12	-46 37 50.17	0.013	12	0.62	25.743	28	02.9	50.76	26	02.9	A0	CZ	18898	P -4610030
96	8.9E	8.0Z	33 45.443	0.0130	12	-44 55 6.68	-0.060	12	0.64	44.815	28	01.7	3.76	26	01.7	G5	CZ	18899	P -45 9992
97	10.0E	9.0Z	33 48.329	0.0010	12	-41 25 36.17	-0.008	12	0.72	48.280	45	02.1	35.81	45	02.1	F5	CZ	18901	P -41 9414
98	9.7E	9.0Z	33 54.438	0.0018	12	-40 6 6.91	-0.044	12	0.68	54.354	28	97.7	4.61	26	97.7	F2	CZ	18903	P -40 9329
99		7.8T	34 2.902	0.0042	17	-43 13 2.90	-0.007	14	0.81	2.695	18	00.3	2.52	17	97.7	A0	GC	28681	C -4314094
00		3.2H	34 3.529	0.0055	02	-47 28 2.93	0.070	02	0.09	3.331	05	13.9	5.55	05	12.4	K0	F4	769	C -4713477

230300			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-40° 20H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER		
1	8.3E	8.3Z	20 34 18.049	0.0068	12	-43 40 23.92	-0.044	12	0.64	17.719	28	01.2	21.80	26	01.2	F8	CZ	18906	P -43 9270		
2		6.8T	34 24.237	0.0016	13	-41 24 8.40	-0.059	12	0.66	24.154	15	99.3	5.25	17	96.7	F5	GC	28691	C -4114129		
3	7.8E	8.2Z	34 25.707	0.0012	12	-48 43 14.73	-0.014	12	0.64	25.651	31	02.9	14.07	28	02.9	B9	CZ	18905	P -4810444		
4	10.3E	9.0Z	34 29.556	0.0003	12	-41 36 50.97	0.016	12	0.72	29.540	45	02.1	51.75	45	02.1	G5	CZ	18910	P -41 9420		
5		7.4T	34 58.316	0.0090	13	-44 42 1.59	-0.027	10	0.65	57.870	19	00.4	0.10	18	95.8	K0	GC	28703	C -4414062		
6	9.8E	9.5Z	35 20.714	0.0011	12	-41 56 21.60	-0.008	12	0.64	20.659	28	01.3	21.24	26	01.3	K0	CZ	18914	P -42 9118		
7		7.6T	35 29.047	-0.0165	11	-49 30 28.05	0.035	09	0.45	29.733	14	08.4	29.53	15	07.4	G0	GC	28712	C -4913178		
8	9.4E	8.8Z	35 32.905	0.0014	12	-49 15 6.38	-0.053	12	0.70	32.842	45	04.2	3.95	45	04.2	F2	CZ	18913	P -4911276		
9	10.6E	9.0Z	35 34.084	0.0002	12	-40 32 45.84	-0.012	12	0.68	34.072	28	97.7	43.21	26	97.7	K2	CZ	18916	P -40 9338		
10	9.9E	8.5Z	35 52.480	-0.0011	12	-42 12 55.40	0.025	12	0.64	52.532	28	01.6	56.63	26	01.6	K2	CZ	18917	P -42 9121		
11	10.0E	9.5Z	36 4.914	0.0028	12	-40 35 39.01	-0.001	12	0.86	4.770	63	98.8	38.96	57	98.8	F0	CZ	18918	P -40 9340		
12	10.4E	10.0Z	36 10.893	-0.0003	12	-42 14 8.67	0.019	12	0.71	10.906	45	03.6	9.57	45	03.6	F5	CZ	18919	P -42 9122		
13	9.2E	9.0Z	36 15.184	-0.0001	12	-43 0 1.33	-0.000	12	0.71	15.187	45	03.1	1.32	45	03.1	F2	CZ	18920	P -43 9276		
14	11.0E	9.8*	36 33.113	0.0036	12	-44 9 45.94	-0.036	12	0.65	32.942	31	01.9	44.19	28	01.9	G5	CZ	18922	P -44 9883		
15		8.8T	36 36.022	0.0021	22	-41 9 2.17	-0.148	22	1.07	35.924	19	03.6	55.21	19	03.0	F0	GC	28751	C -4114155		
16		7.3T	36 53.759	0.0025	08	-47 0 15.46	-0.009	07	0.38	53.648	14	05.7	15.03	15	03.6	K0	GC	28762	C -4713496		
17	10.2E	9.0Z	36 58.098	0.0004	12	-49 20 3.83	0.004	12	0.70	58.081	45	04.2	4.01	45	04.2	K0	CZ	18924	P -4911280		
18		7.8T	36 58.266	-0.0018	17	-43 14 31.32	-0.004	14	0.80	58.355	18	01.3	31.10	17	98.5	K0	GC	28768	C -4314124		
19	9.8E	8.8Z	37 12.738	-0.0004	12	-45 50 43.86	0.010	12	0.70	12.754	45	04.1	44.31	45	04.1	K0	CZ	18929	P -4610045		
20	10.0E	9.5Z	37 17.962	0.0006	12	-44 33 25.98	0.008	12	0.65	17.934	31	02.0	26.34	28	02.0	F0	CZ	18930	P -44 9868		
21		6.5T	37 34.667	-0.0004	10	-42 34 30.86	0.010	08	0.53	34.690	17	97.9	31.38	15	95.8	G5	GC	28789K	C -4215029		
22	10.1E	9.3*	37 45.435	0.0009	12	-45 25 23.35	-0.000	12	0.64	45.393	28	01.6	23.34	26	01.6	F2	CZ	18936	P -4510006		
23		6.5T	38 4.171	0.0043	12	-42 18 43.36	-0.023	10	0.61	3.954	19	00.1	42.15	18	96.7	MB	GC	28805	C -4215034		
24	10.0E	9.1H	38 10.172	-0.0005	12	-49 50 33.22	0.005	12	0.71	10.194	45	03.7	33.44	45	03.7	K0	CZ	18937	P -5011414		
25	10.3E	9.5Z	38 15.707	-0.0015	12	-46 5 18.62	-0.041	12	0.63	15.781	28	02.3	16.65	26	02.3	F8	CZ	18940	P -4610050		
26	9.9E	8.5Z	38 17.856	-0.0003	12	-48 5 30.35	0.012	12	0.61	17.871	28	03.6	30.88	26	03.6	K2	CZ	18939	P -4810459		
27	9.3E	8.0Z	38 30.606	0.0020	12	-48 57 46.21	-0.008	12	0.64	30.512	31	02.7	45 83	28	02.7	K5	CZ	18942	P -4911286		
28		7.1T	38 36.343	-0.0001	17	-46 34 46.11	0.002	13	0.77	36.347	19	02.1	46.20	18	98.9	M0	GC	28820	C -4613662		
29	10.1E	9.0Z	38 42.411	0.0013	12	-46 39 44.29	0.011	12	0.66	42.352	36	03.6	44.78	36	03.6	K2	CZ	18944	P -4610054		
30		7.1T	38 50.790	-0.0007	12	-45 3 51.77	0.031	09	0.60	50.824	18	98.5	53.50	17	93.5	A0	GC	28824	C -4513978		
31	10.3E	9.0Z	38 52.782	-0.0025	12	-42 34 15.78	0.004	12	0.65	52.904	28	00.0	15.96	26	00.0	K2	CZ	18946	P -42 9136		
32	9.1E	8.5Z	39 5.430	-0.0056	12	-48 35 41.43	0.017	12	0.61	5.690	28	03.6	42.22	26	03.6	G0	CZ	18947	P -4810463		
33	10.0E	9.2Z	39 13.480	-0.0021	12	-42 11 17.11	0.006	12	0.73	13.580	45	01.7	17.42	45	01.7	F0	CZ	18949	P -42 9137		
34	8.9E	9.0Z	39 32.318	-0.0020	12	-41 2 24.11	-0.047	12	0.66	32.418	28	99.1	21.70	26	99.1	F8	CZ	18952	P -41 9436		
35	9.7E	9.0Z	39 40.237	0.0014	12	-46 10 21.06	-0.021	12	0.71	40.170	45	04.0	20.08	45	04.0	K2	CZ	18951	P -4610059		
36	10.3E	9.4Z	39 40.373	0.0012	12	-43 2 56.70	-0.028	12	0.65	40.312	28	00.7	55.31	26	00.7	F8	CZ	18953	P -43 9290		
37	9.7E	9.0Z	39 44.664	-0.0005	12	-42 16 10.97	0.026	12	0.65	44.687	28	00.3	12.27	26	00.3	K0	CZ	18955	P -42 9139		
38	11.1E	9.9*	39 51.836	-0.0024	12	-44 15 41.65	-0.002	12	0.65	51.954	31	01.4	41.53	28	01.4	G0	CZ	18956	P -44 9876		
39	9.3E	9.0Z	39 52.057	0.0008	12	-46 32 8.80	-0.003	12	0.71	52.022	45	04.0	8.64	45	04.0	F2	CZ	18954	P -4610062		
40	9.0E	8.0Z	40 25.206	0.0017	12	-40 14 28.46	-0.014	12	0.68	25.116	28	97.7	27.72	26	97.7	K0	CZ	18957	P -40 9351		
41	9.6E	9.3*	40 39.104	0.0027	12	-47 8 1.91	-0.014	12	0.63	38.979	31	03.2	1.24	28	03.2	F0	CZ	18958	P -47 9556		
42	9.1E	8.3H	40 43.210	0.0034	12	-44 57 8.99	-0.059	12	0.65	43.044	31	01.3	6.10	28	01.3	G5	CZ	18959	P -4510016		
43	9.6E	8.9*	40 48.667	0.0027	12	-45 45 24.04	-0.000	12	0.65	48.533	31	01.3	24.02	28	01.3	F5	CZ	18961	P -4610065		
44	10.6E	9.5Z	40 51.842	-0.0003	12	-49 25 31.86	0.018	12	0.64	51.857	31	02.6	32.70	28	02.6	G5	CZ	18960	P -4911296		
45	9.7E	9.0Z	41 13.834	0.0037	12	-47 44 11.47	-0.034	12	0.62	13.663	28	03.2	9.86	26	03.2	G0	CZ	18962	P -4810466		
46	10.4E	9.8Z	41 27.797	0.0043	12	-47 37 51.31	-0.014	12	0.69	27.607	45	05.5	50.67	45	05.5	F8	CZ	18965	P -47 9559		
47	11.0E	9.8*	41 33.357	-0.0032	12	-48 40 51.25	0.010	12	0.63	33.507	31	03.2	51.71	28	03.2		CZ	18966	P -4810468		
48	10.2E	8.6Z	41 40.189	-0.0028	12	-47 27 53.28	-0.016	12	0.69	40.316	45	05.5	52.54	45	05.5	K2	CZ	18967	P -47 9560		
49	9.6E	8.5Z	41 55.332	0.0001	12	-41 28 40.98	-0.039	12	0.66	55.326	28	99.1	39.01	26	99.1	K2	CZ	18972	P -41 9441		
50	9.2E	8.5Z	41 59.947	-0.0010	12	-46 22 21.79	-0.042	12	0.64	59.992	31	02.2	19.77	28	02.2	G5	CZ	18971	P -4610071		
51	9.1E	8.5*	20 42 4.412	0.0013	12	-43 55 58.01	-0.002	12	0.65	4.351	31	01.4	57.89	28	01.4	K0	CZ	18974	P -44 9880		
52	10.3E	9.5Z	42 4.806	-0.0013	12	-41 45 7.41	-0.057	12	0.74	4.869	45	00.2	4.59	45	00.2	K2	CZ	18975	P -42 9142		
53	9.6E	9.2Z	42 7.113	0.0016	12	-47 48 12.77	-0.067	12	0.69	7.043	45	05.5	9.77	45	05.5	G5	CZ	18973	P -4810471		
54		8.7T	42 11.875	-0.0044	22	-43 7 46.99	-0.192	20	1.01	12.081	19	03.6	37.87	18	02.6	G5	GC	28907	C -4314174		
55	10.8E	9.3*	42 17.010	-0.0030	12	-44 26 45.21	-0.000	12	0.65	17.158	31	01.4	45.20	28	01.4	K2	CZ	18977	P -44 9881		
56	9.9E	9.0Z	42 19.896	-0.0014	12	-40 58 58.22	-0.008	12	0.66	19.965	28	99.3	57.81	26	99.3	G0	CZ	18983	P -41 9444		
57	11.1E	9.7*	42 20.793	0.0021	12	-42 18 48.82	0.022	12	0.65	20.688	28	00.4	49.93	26	00.4	G0	CZ	18980	P -42 9143		
58	10.7E	9.0Z	42 24.078	0.0009	12	-43 34 23.56	0.020	12	0.65	24.035	28	00.4	24.58	26	00.4	K5	CZ	18982	P -43 9302		
59	10.2E	9.0*	42 24.213	0.0009	12	-46 51 5.44	-0.002	12	0.63	24.172	31	03.2	5.34	28	03.2	G5	CZ	18978	P -47 9565		
60	7.9E	7.4Z	42 33.461	0.0008	12	-49 9 13.02	-0.007	12	0.64	33.423	31	02.7	12.69	28	02.7	G5	CZ	18981	P -4911302		
61	9.8E	9.5Z	42 45.224	0.0002	12	-41 39 19.02	0.006	12	0.74	45.212	45	00.2	19.34	45	00.2	F0	CZ	18985	P -41 9446		
62	9.9E	9.3Z	42 58.616	0.0000	12	-42 0 55.48	-0.002	12	0.68	58.615	36	01.7	55.40	36	01.7	F0	CZ	18986	P -42 9146		
63	9.9E	8.7Z	43 28.060	-0.0011	12	-49 12 16.28	-0.016	12	0.70	28.111	45	04.2	15.55	45	04.2	K2	CZ	18987	P -4911306		
64	10.3E	9.0*	43 32.085	-0.0026	12	-41 13 20.40	-0.010	12	0.65	32.214	28	00.0	19.90	26	00.0	G0	CZ	18991	P -41 9448		
65	9.7E	9.3Z	43 34.204	0.0002	12	-43 25 54.04	0.002	12	0.64	34.195	26	00.7	54.17	24	00.7	F0	CZ	18990	P -43 9307		
66		9.6T	43 45.369	-0.0027	17	-44 12 30.43	0.003	18	0.83	45.492	24	04.6	30.59	24	05.1	G5	GC	28945	C -4414135		
67		7.3T	43 47.808	0.0053	17	-47 21 24.33	0.022	12	0.77	47.550	19	01.4	25.48	18	97.1	F0	GC	28952	C -4713557		
68	11.6E	9.8*	43 47.862	0.0003	12	-49 46 19.66	0.001	12	0.64	47.847	31	02.7	19.70	28	02.7		CZ	18992	P -5011435		
69	10.4E	9.4*	43 52.083	0.0007	12	-47 36 42.47	0.008	12	0.61	52.052	28	03.6	42.82	26	03.6	F5	CZ	18994	P -47 9570		
70		6.9T	43 58.033	0.0006	09	-46 2 19.14	0.002	08	0.39	58.008	15	08.3	19.21	15	05.3	K2	GC	28955	C -4613699		
71	9.2E	9.0Z	44 3.079	0.0025	12	-41 43 3.56	-0.055	12	0.65	2.953	28	99.8	0.82	26	99.8	F8	CZ	18997	P -41 9450		
72	9.6E	9.0*	44 3.751	0.0002	12	-42 25 18.68	-0.008	12	0.65	3.739	28	00.3	18.26	26	00.3	F0	CZ	18996	P -42 9148		
73	9.2E	9.0Z	44 10.600	0.0026	12	-45 44 45.37	0.015	12	0.72	10.474	45	02.6	46.06	45	02.6	F0	CZ	18998	P -4610075		
74	9.2E	9.0Z	44 32.492	0.0024	12	-45 24 6.06	-0.035	12	0.65	32.377	31	01.3	4.33	28	01.3	F5	CZ	18999	P -4510021		
75		6.5T	44 55.370	0.0074	15	-44 22 53.19	-0.071	13	0.72	55.011	17	01.5	49.57	18	98.7	K0	GC	28976	C -4414143		
76	7.6E	7.8Z	45 0.523	-0.0017	12	-48 51 18.59	-0.002	12	0.70	0.601	45	04.2	18.50	45	04.2	A3	CZ	19002	P -4911312		
77	8.7E	7.5Z	45 3.260	0.0052	12	-40 11 8.82	-0.058	12	0.67	2.992	28	98.7	5.84	26	98.7	K0	CZ	19007	P -40 9377		
78	9.4E	9.0Z	45 3.438	-0.0006	12	-43 48 14.58	0.032	12	0.72	3.468	45	02.2	16.13	45	02.2	F0	CZ	19005	P -44 9889		
79		5.1H	45 6.202	0.0173	04	-44 10 20.19	-0.104	03	0.14	5.573	07	13.6	16.54	06	14.7	F0	F4	1542	C -4414145		
80	9.8E	9.4Z	45 12.526	0.0003	12	-43 33 29.81	-0.006	12	0.65	12.513	28	00.5	29.53	26	00.5	F0	CZ	19008	P -43 9315		
81		7.0T	45 15.679	0.0001	16	-43 11 33.34	-0.029	12	0.74	15.676	18	01.0	31.80	17	97.3	K2	GC	28982	C -4314204		
82		7.7T	45 22.020	0.0004	12	-44 10 7.92	0.017	09	0.58	22.000	22	00.4	8.87	21	95.4	F5	GC	28990K	C -4414148		
83	10.6E	9.5*	45 25.600	0.0023	12	-43 49 59.59	0.032	12	0.65	25.490	31	01.4	1.12	28	01.4	G5	CZ	19012	P -44 9893		
84	10.1E	9.2Z	45 29.403	0.0001	12	-48 28 18.56	-0.106	12	0.70	29.397	45	05.0	13.79	45	05.0	G0	CZ	19010	P -4810478		
85	10.6E	9.3*	45 32.225	0.0003	12	-45 0 25.13	0.006	12	0.65	32.210	31	01.3	25.41	28	01.3	K0	CZ	19014	P -4510023		
86		8.2T	45 38.429	0.0098	26	-48 57 11.13	-0.108	22	1.12	37.987	21	04.7	6.15	19	03.9	F5	GC	29000	C -4913232		
87	10.0E	9.3Z	45 42.175	-0.0007	12	-45 53 19.79	-0.019	12	0.71	42.205	45	03.6	18.89	45	03.6	G5	CZ	19016	P -4610084		
88		6.8T	45 45.148	-0.0011	11	-48 24 38.34	0.019	09	0.44	45.191	15	10.1	39.15	15	06.3	K0	GC	29002	C -4813686		
89		7.7T	45 49.192	0.0053	16	-46 50 4.03	-0.045	13	0.75	48.930	15	00.8	1.70	17	98.6	K0	GC	29004	C -4713573		
90	9.1E	8.9Z	46 2.055	0.0009	12	-46 59 56.20	-0.025	12	0.70	2.017	45	05.1	55.06	45	05.1	G0	CZ	19019O	P*-47 9577		
91		4.9T	46 2.971	0.0047	07	-46 24 48.08	0.027	05	0.29	2.768	10	06.7	49.36	10	02.1	K5	GC	29008	C*-4613718		
92	9.8E	9.2Z	46 4.810	-0.0011	12	-42 22 29.13	-0.030	12	0.73	4.861	45	01.7	27.67	45	01.7	F0	CZ	19021	P -42 9151		
93	8.8E	9.0Z	46 10.760	-0.0010	12	-41 53 52.96	0.024	12	0.65	10.808	28	00.2	54.17	26	00.2	F5	CZ	19022	P -42 9152		
94	10.5E	9.0Z	46 18.520	0.0013	12	-41 4 33.91	-0.006	12	0.65	18.454	28	99.9	33.61	26	99.9		CZ	19024	P -41 9456		
95	10.1E	9.0Z	46 23.524	0.0002	12	-45 15 15.51	-0.000	12	0.72	23.514	45	02.6	15.49	45	02.6	K0	CZ	19023	P -4510028		
96	10.2E	9.2Z	46 45.246	-0.0002	12	-48 30 25.05	-0.003	12	0.70	45.255	45	05.1	24.92	45	05.1	K0	CZ	19026	P -4810482		
97	9.3E	7.8Z	46 48.252	-0.0013	12	-48 45 34.97	0.000	12	0.62	48.313	28	03.2	34.97	26	03.2	K5	CZ	19027	P -4911317		
98		9.0T	47 6.550	-0.0058	20	-40 47 21.28	-0.452	18	0.91	6.819	19	03.4	-59.58	18	02.0	G0	GC	29030	C -4114250		
99		8.5T	47 13.927	-0.0053	18	-42 40 33.39	-0.021	18	0.89	14.181	19	02.3	32.36	18	01.7	G0	GC	29035	C -4215116		
00	10.0E	8.8Z	47 16.932	0.0014	12	-45 4 32.51	-0.005	12	0.72	16.866	45	02.6	32.26	45	02.6	K2	CZ	19032	P -4510031		

230400 — -40° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.5E	9.7Z	20 47 18.651	-0.0012	12	-46 11 10.96	-0.003	12	0.71	18.709	45	03.6	10.81	45	03.6	AO	CZ	19031	P -4610088
2	10.2E	9.5Z	47 46.641	0.0001	12	-45 2 23.71	-0.020	12	0.63	46.636	28	01.9	22.73	26	01.9	F5	CZ	19036	P -4510034
3	10.3E	9.4Z	48 0.157	0.0006	12	-42 15 30.38	0.006	12	0.64	0.126	26	00.6	30.69	24	00.6	FO	CZ	19038	P -42 9159
4	10.1E	9.3*	48 4.107	-0.0009	12	-47 34 51.14	-0.004	12	0.61	4.150	28	03.6	50.94	26	03.6	F8	CZ	19037	P -47 9585
5		7.2T	48 24.090	-0.0008	16	-41 5 37.76	0.002	13	0.76	24.127	22	01.8	37.85	21	97.9	K0	GC	29068K	C -4114263
6	9.1E	8.5Z	48 47.219	0.0017	12	-44 18 20.85	0.017	12	0.64	47.138	28	01.7	21.69	26	01.7	F8	CZ	19041	P -44 9898
7	10.2E	9.4Z	48 52.591	0.0052	12	-48 12 34.28	-0.130	12	0.65	52.360	36	05.2	28.44	36	05.2	F5	CZ	19040	P -4810499
8	8.9E	8.8Z	48 53.940	0.0019	12	-44 4 19.25	0.007	12	0.64	53.849	28	01.7	19.62	26	01.7	A0	CZ	19043	P -44 9899
9	10.0E	9.5H	49 2.730	0.0011	12	-49 40 53.86	0.005	12	0.64	2.676	31	02.7	54.09	28	02.7	FO	CZ	19042	P -4911324
10	9.1E	8.0Z	49 3.484	0.0012	12	-48 26 39.14	-0.006	12	0.61	3.427	28	03.8	38.77	26	03.8	K2	CZ	19044	P -4810490
11	10.9E	9.5Z	49 3.782	0.0021	12	-43 21 37.34	0.008	12	0.65	3.679	28	00.6	37.76	26	00.6	K0	CZ	19045	P -43 9325
12	9.6E	8.3Z	49 34.883	0.0017	12	-40 33 59.19	0.016	12	0.84	34.797	63	00.7	59.97	57	00.7	G5	CZ	19049	P -40 9393
13	10.1E	9.1*	49 41.234	0.0008	12	-47 57 57.89	-0.019	12	0.63	41.198	31	03.3	56.98	28	03.3	K0	CZ	19047	P -4810494
14		8.0T	49 43.011	0.0058	14	-46 48 25.76	0.031	12	0.70	42.729	22	01.4	27.41	19	96.3	A0	GC	29103	C -4713609
15	9.2E	8.3Z	49 46.011	-0.0010	12	-40 57 50.26	-0.014	12	0.73	46.058	45	01.2	49.57	45	01.2	FO	CZ	19053	P -41 9472
16	9.8E	8.7Z	49 46.015	0.0010	12	-42 46 31.08	-0.005	12	0.65	45.963	28	00.2	30.82	26	00.2	G5	CZ	19051	P -43 9328
17	9.8E	9.3*	49 52.718	0.0010	12	-46 0 31.45	0.010	12	0.64	52.668	31	02.3	31.92	28	02.3	A3	CZ	19052	P -4610094
18	9.3E	8.7H	49 54.662	0.0046	12	-49 34 19.60	-0.031	12	0.70	54.451	45	04.2	18.16	45	04.2	F5	CZ	19050	P -4911327
19	8.8E	8.8Z	49 56.366	-0.0017	12	-45 30 27.54	0.022	12	0.65	56.450	31	01.7	28.58	28	01.7	F8	CZ	19054	P -4510043
20	9.7E	9.2Z	49 58.844	-0.0035	12	-46 52 52.04	-0.185	12	0.70	59.003	45	05.1	43.71	45	05.1	F8	CZ	19055	P -47 9594
21		8.3T	50 18.358	0.0033	13	-41 15 51.23	-0.012	12	0.70	18.189	18	99.2	50.59	19	96.9	K0	GC	29123	C -4114280
22	9.0E	7.4H	50 22.629	0.0013	12	-44 31 49.16	0.025	12	0.72	22.569	45	02.7	50.51	45	02.7	K0	CZ	19057	P -44 9902
23	10.6E	9.9*	50 31.459	0.0012	12	-48 53 48.26	-0.060	12	0.64	31.402	31	02.7	45.42	28	02.7		CZ	19058	P -4911330
24	9.6E	9.1Z	50 31.731	0.0014	12	-48 4 49.87	-0.007	12	0.70	31.669	45	05.1	49.54	45	05.1	K0	CZ	19060	P -4810495
25	10.1E	9.5Z	50 41.381	0.0011	12	-46 39 19.12	0.015	12	0.64	41.331	31	02.3	19.82	28	02.3	A0	CZ	19062	P -4610096
26	10.1E	9.5Z	50 57.242	0.0013	12	-46 31 23.55	-0.015	12	0.70	57.184	45	04.2	22.85	45	04.2	FO	CZ	19064	P -4610097
27	10.1E	9.5Z	51 7.795	-0.0018	12	-46 38 39.03	0.010	12	0.70	7.879	45	04.2	39.48	45	04.2	F5	CZ	19065	P -4610098
28	10.1E	9.6Z	51 17.423	-0.0014	12	-45 55 16.66	0.006	12	0.70	17.485	45	04.2	16.92	45	04.2	G5	CZ	19066	P -4610100
29	10.3E	9.7Z	51 17.672	0.0056	12	-47 11 17.70	-0.017	12	0.71	17.410	45	03.2	10.89	45	03.2	G0	CZ	19067	P -4510048
30		7.2T	51 22.651	-0.0037	14	-40 7 15.88	-0.047	13	0.71	22.833	18	00.6	13.46	17	98.7	K0	GC	29144	C -4014085
31		7.5T	51 23.354	0.0081	16	-46 47 22.42	-0.129	12	0.75	22.965	22	02.1	15.55	19	96.8	F8	GC	29146K	C*-4713618
32	10.3E	9.4Z	51 38.326	-0.0011	12	-45 21 51.25	0.020	12	0.71	38.379	45	03.2	52.17	45	03.2	F8	CZ	19070	P -4510050
33	10.1E	9.8Z	51 39.243	0.0074	12	-45 32 23.99	-0.054	12	0.71	38.895	45	03.2	21.45	45	03.2	G5	CZ	19071	P -4510049
34	9.1E	8.6*	51 42.091	0.0025	12	-45 34 31.73	0.014	12	0.65	41.968	31	01.7	32.39	28	01.7	K0	CZ	19072	P -4510051
35	9.6E	8.5Z	51 42.107	0.0033	12	-43 3 18.96	-0.030	12	0.65	41.942	28	00.7	17.46	26	00.7	G0	CZ	19073	P -43 9334
36	9.7E	9.3*	51 45.502	0.0007	12	-41 36 6.79	0.025	12	0.65	45.466	28	00.0	8.05	26	00.0		CZ	19075	P -41 9482
37	9.7E	9.4Z	51 48.989	0.0018	12	-46 25 24.29	0.028	12	0.70	48.905	45	04.2	25.56	45	04.2	F5	CZ	19074	P -4610101
38	9.7E	9.0Z	51 59.827	0.0041	12	-40 45 40.91	-0.005	12	0.84	59.623	63	00.7	40.66	57	00.7	G5	CZ	19077	P -41 9485
39	9.5E	8.5Z	52 15.131	0.0011	12	-40 24 35.46	-0.007	12	0.84	15.075	63	00.7	35.11	57	00.7	G5	CZ	19081	P -40 9407
40	9.5E	9.0H	52 15.952	-0.0001	12	-44 39 47.76	0.014	12	0.65	15.958	31	01.4	48.42	28	01.4	A3	CZ	19078	P -44 9909
41	10.6E	9.4*	52 18.444	0.0024	12	-44 2 21.62	-0.004	12	0.65	18.329	31	01.7	21.41	28	01.7	F8	CZ	19079	P -4510053
42		7.1T	52 24.269	0.0039	11	-44 46 2.69	-0.003	09	0.58	24.064	18	97.4	2.48	17	89.0	K2	GC	29177	C -4514103
43	9.4E	9.1*	52 26.711	0.0003	12	-48 15 3.27	-0.002	12	0.63	26.698	31	03.6	3.16	28	03.6	A0	CZ	19080	P -4810499
44	10.6E	9.5*	52 37.972	-0.0021	12	-42 39 53.30	0.001	12	0.65	38.075	28	00.2	53.33	26	00.2	G0	CZ	19085	P -42 9171
45	10.5E	9.5Z	52 42.046	-0.0015	12	-47 33 15.85	-0.003	12	0.61	42.117	28	03.6	15.69	26	03.6	K0	CZ	19084	P -47 9605
46	10.6E	9.7*	53 1.830	-0.0009	12	-45 59 20.38	0.001	12	0.62	1.870	28	03.1	20.41	26	03.1		CZ	19086	P -4610107
47	10.3E	9.5Z	53 12.801	0.0040	12	-41 23 14.46	0.018	12	0.64	12.601	28	00.5	15.37	24	00.5	K0	CZ	19088	P -41 9490
48	8.4E	7.8Z	53 22.214	-0.0015	12	-48 51 51.57	-0.003	12	0.64	22.285	31	02.9	51.43	28	02.9	A3	CZ	19087	P -4911334
49	10.2E	8.7Z	53 34.330	-0.0002	12	-43 51 21.98	-0.007	12	0.66	34.322	36	03.7	21.68	36	03.7	MB	CZ	19090	P -44 9913
50	10.2E	9.0Z	53 37.730	-0.0013	12	-40 39 14.94	0.017	12	0.67	37.794	31	99.3	15.80	28	99.3	K0	CZ	19093	P -40 9413
51	10.2E	9.8Z	20 53 39.373	0.0008	12	-46 13 52.39	0.003	12	0.65	39.334	36	04.6	52.52	36	04.6	F5	CZ	19091	P -4610109
52	10.3E	9.0Z	53 48.088	0.0010	12	-49 8 15.12	0.003	12	0.63	48.042	31	03.0	15.26	28	03.0	G5	CZ	19092	P -4911337
53	9.8E	8.5Z	54 2.964	-0.0006	12	-48 48 47.72	-0.013	12	0.80	2.991	63	05.5	47.14	57	05.5	G5	CZ	19094	P -4911338
54	8.7E	9.5Z	54 7.241	0.0002	12	-41 16 28.76	0.004	12	0.73	7.231	45	01.8	28.94	45	01.8	F5	CZ	19097	P -41 9495
55	10.4E	9.7*	54 16.038	-0.0021	12	-47 9 18.31	0.007	12	0.61	16.137	28	03.6	18.61	26	03.6	A5	CZ	19095	P -47 9608
56	9.3E	8.7*	54 18.608	-0.0002	12	-46 27 51.01	-0.058	12	0.64	18.615	31	02.6	48.26	28	02.6	FO	CZ	19098	P -4610111
57	9.9E	9.6Z	54 18.614	0.0002	12	-48 15 7.49	-0.007	12	0.69	18.606	45	05.5	7.16	45	05.5	A2	CZ	19096	P -4810501
58		6.6T	54 21.872	-0.0490	13	-44 18 32.45	-0.956	09	0.61	24.367	17	99.1	-39.42	17	94.5	G0	GC	29225	C -4414214
59		9.0T	54 25.009	-0.0057	20	-44 13 18.04	-0.033	22	0.93	24.759	19	06.2	16.64	19	07.0	G0	GC	29229	C -4414213
60	10.1E	9.0Z	54 29.265	0.0015	12	-46 40 25.82	-0.018	12	0.70	29.218	45	04.6	24.99	45	04.6	F8	CZ	19101	P -4610112
61		8.1T	54 40.189	0.0198	26	-48 23 38.28	-0.312	22	1.12	39.286	21	04.4	23.81	19	03.7	F8	GC	29234	C -4813728
62	10.2E	9.3Z	54 40.586	-0.0000	12	-47 38 21.18	0.009	12	0.69	40.588	45	05.5	21.57	45	05.5	G5	CZ	19103	P -47 9609
63	9.9E	9.0Z	54 48.162	-0.0004	12	-45 6 33.90	-0.010	12	0.64	48.181	31	02.6	33.40	28	02.6	A0	CZ	19104	P -4510058
64	9.7E	8.8Z	54 59.072	-0.0010	12	-43 56 46.45	0.015	12	0.70	59.119	45	04.1	47.16	45	04.1	G0	CZ	19105D	P*-44 9919
65		7.7T	55 7.340	0.0014	10	-41 11 12.45	-0.048	09	0.43	7.278	14	07.0	10.32	14	05.7	F2	GC	29249	C -4114316
66	10.1E	9.1*	55 11.834	0.0011	12	-43 56 57.36	0.015	12	0.64	11.783	31	02.2	58.10	28	02.2	F8	CZ	19107	P -44 9920
67	10.7E	9.3Z	55 46.495	-0.0025	12	-49 43 48.48	0.011	12	0.70	56.607	45	04.7	48.97	45	04.7	A0	CZ	19108	P -5011473
68	10.2E	9.0Z	56 11.642	-0.0018	12	-47 57 19.93	0.016	12	0.63	11.727	31	03.5	20.65	28	03.5	G0	CZ	19109	P -4810508
69	10.9E	9.0Z	56 23.280	-0.0022	12	-47 19 16.97	-0.001	12	0.69	23.380	45	05.5	16.90	45	05.5	K0	CZ	19110	P -47 9616
70	10.4E	9.0Z	56 24.888	-0.0011	12	-43 42 6.70	0.002	12	0.65	24.944	28	00.4	8.83	26	00.4	MA	CZ	19111	P -43 9343
71	10.9E	9.8*	56 27.562	-0.0015	12	-41 55 9.62	0.010	12	0.65	27.636	28	00.3	10.14	26	00.3	F5	CZ	19112	P -42 9185
72		7.4T	56 39.599	0.0011	09	-43 12 39.30	0.015	08	0.50	39.541	15	95.5	40.15	15	92.5	A2	GC	29282	C*-4314302
73	10.6E	9.5*	56 48.347	-0.0010	12	-45 48 54.86	-0.050	12	0.64	48.392	31	02.6	52.48	28	02.6	G5	CZ	19115	P -4610117
74	9.2E	9.0Z	56 58.242	0.0019	12	-40 18 30.07	0.002	12	0.66	58.145	28	99.7	30.16	26	99.7	K0	CZ	19120	P -40 9430
75	10.2E	9.0Z	57 2.612	0.0012	12	-47 12 58.91	-0.004	12	0.63	2.557	31	03.2	58.70	28	03.2	G5	CZ	19116	P -47 9618
76	9.4E	8.5Z	57 14.142	-0.0025	12	-43 38 28.62	0.020	12	0.65	14.267	28	00.7	29.62	26	00.7	G0	CZ	19121	P -43 9350
77		9.7T	57 17.815	0.0052	20	-42 51 6.95	-0.064	22	0.95	17.589	24	06.2	4.17	26	06.9	A2	GC	29300	C -4314310
78	9.2E	8.5Z	57 25.084	0.0027	12	-41 22 28.53	-0.003	12	0.65	24.948	28	00.2	28.40	26	00.2	F8	CZ	19124D	P*-41 9511
79	10.5E	9.5*	57 35.834	0.0052	12	-49 57 52.63	0.020	12	0.62	35.590	28	03.2	53.56	26	03.2	F5	CZ	19123	P -5011475
80	10.2E	9.0Z	57 36.715	-0.0022	12	-40 25 58.06	0.016	12	0.83	38.819	63	01.8	58.82	57	01.8	F5	CZ	19127	P -40 9432
81	10.9E	9.4*	57 42.606	0.0055	12	-44 37 21.63	0.037	12	0.64	42.345	31	02.3	23.38	28	02.3	K0	CZ	19125	P -44 9926
82		7.8T	57 52.971	0.0058	15	-49 32 51.79	0.028	13	0.73	52.687	19	01.1	53.22	18	98.5	F5	GC	29315	C -4913298
83	10.3E	9.5*	57 56.020	0.0093	12	-47 31 20.78	-0.129	12	0.61	55.589	28	03.5	14.76	26	03.5	G0	CZ	19128	P -47 9620
84	9.1E	9.2Z	57 57.489	0.0003	12	-40 48 28.81	-0.001	12	0.73	57.473	45	01.8	28.76	45	01.8	A0	CZ	19129	P -41 9519
85	10.0E	9.5Z	58 14.838	0.0018	12	-49 4 29.73	-0.025	12	0.63	14.754	31	03.0	28.55	28	03.0	FO	CZ	19130	P -4911349
86	10.0E	9.4Z	58 15.449	0.0066	12	-43 38 18.12	0.010	12	0.67	15.137	36	02.4	18.62	36	02.4	G0	CZ	19132	P -43 9354
87	11.0E	9.6*	58 22.274	-0.0026	12	-47 51 46.76	-0.008	12	0.61	22.395	28	03.8	46.37	26	03.8	G0	CZ	19131	P -4810510
88	11.5E	10.1*	58 25.499	0.0006	12	-48 31 57.81	0.014	12	0.61	25.472	28	03.8	58.46	26	03.8		CZ	19133	P -4810511
89	9.7E	8.9Z	58 35.125	0.0002	12	-41 7 41.36	0.001	12	0.73	35.114	45	01.3	41.40	45	01.3	A0	CZ	19136	P -41 9524
90	9.7E	7.8Z	58 38.802	0.0002	12	-42 16 34.14	-0.010	12	0.64	38.791	26	00.2	33.66	24	00.2	K5	CZ	19137	P -42 9197
91	10.3E	9.0Z	58 43.190	-0.0018	12	-41 38 40.43	-0.001	12	0.65	43.279	28	00.0	40.40	26	00.0	G0	CZ	19138	P -41 9525
92		6.5T	58 54.447	-0.0054	15	-43 11 52.28	-0.100	12	0.72	54.178	17	99.9	46.92	17	96.6	G5	GC	29345K	C -4314325
93	9.6E	9.3Z	58 56.708	-0.0019	12	-43 41 37.34	0.010	12	0.72	56.800	45	02.2	37.84	45	02.2	A5	CZ	19142	P -43 9360
94		6.9T	58 59.536	-0.0067	16	-43 11 36.24	-0.118	15	0.78	59.215	18	01.8	30.44	22	01.0	G5	GC	29346K	C -4314327
95	10.1E	9.1Z	59 8.799	0.0010	12	-41 1 24.54	-0.043	12	0.73	8.749	45	01.3	22.44	45	01.3	A3	CZ	19144	P -41 9527
96	10.3E	9.0Z	59 43.519	-0.0014	12	-41 18 57.64	-0.025	12	0.73	43.586	45	01.3	56.44	45	01.3		CZ	19146	P -41 9530
97	8.7E	8.0Z	59 45.839	0.0010	12	-45 57 4.86	0.001	12	0.64	45.790	31	02.6	4.89	28	02.6	FO	CZ	19145	P -4610129
98	9.8E	9.5Z	21 0 5.364	0.0023	12	-46 32 48.67	-0.010	12	0.70	5.262	45	04.6	48.20	45	04.6	F8	CZ	19147	P -4610130
99	8.8E	8.8Z	0 31.748	-0.0015	12	-40 52 45.07	-0.009	12	0.65	31.822	28	99.9	44.61	26	99.9	A0	CZ	19153	P -41 9536
00	8.9E	8.2Z	0 34.760	-0.0008	12	-40 53 21.73	-0.028	12	0.73	34.798	45	01.3	20.36	45	01.3	G5	CZ	19154	P -41 9537

230500 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -40° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.0T	21 0 42.144	0.0003	12	-48 9 35.02	-0.010	09	0.60	42.127	18	98.0	34.43	17	93.8	KO	GC	29390K	C*-4813768
2	10.3E	9.8Z	0 45.121	-0.0012	12	-45 46 17.46	0.034	12	0.70	45.173	45	04.6	18.99	45	04.6	F8	CZ	19155	P -4610138
3	9.7E	8.7Z	0 49.653	-0.0015	12	-40 13 5.38	0.008	12	0.66	49.717	28	99.6	5.77	26	99.6	A3	CZ	19158	P -40 9446
4	9.5E	8.5Z	0 49.806	-0.0063	12	-43 9 57.07	-0.026	12	0.72	50.105	45	02.2	55.81	45	02.2	F8	CZ	19156	P -43 9366
5	10.2E	9.5Z	1 3.614	0.0029	12	-42 44 59.92	-0.036	12	0.65	3.467	28	00.0	58.11	26	00.0	G5	CZ	19161	P -43 9368
6		7.3T	1 5.169	0.0043	16	-43 17 5.38	0.002	13	0.76	4.957	17	00.3	5.47	17	97.1	KO	GC	29404	C -4314345
7		7.1T	1 8.748	0.0107	14	-46 27 13.76	-0.056	12	0.70	8.214	19	00.1	10.77	18	97.0	F8	GC	29409	C -4613822
8		9.2T	1 11.288	0.0084	20	-44 39 38.48	-0.054	20	0.93	10.898	21	03.6	35.94	19	03.4	G5	GC	29411	C*-4414270
9	11.2E	9.8*	1 22.893	0.0036	12	-49 18 23.47	-0.023	12	0.63	22.725	31	03.0	22.38	28	03.0	G0	CZ	19164	P -4911356
10	10.5E	9.5Z	1 33.202	0.0018	12	-40 58 39.22	-0.024	12	0.73	33.113	45	01.3	38.05	45	01.3	G0	CZ	19166	P -41 9541
11	10.3E	9.0Z	1 39.940	-0.0016	12	-41 27 7.37	-0.023	12	0.73	40.017	45	01.3	8.51	45	01.3	F8	CZ	19167	P -41 9542
12	9.1E	9.1Z	1 55.302	0.0014	12	-45 53 45.80	-0.018	12	0.70	55.237	45	04.6	44.97	45	04.6	F2	CZ	19168	P -4610140
13	8.6E	8.0Z	2 2.276	0.0031	12	-45 26 29.36	-0.022	12	0.64	2.131	31	02.6	28.30	28	02.6	F5	CZ	19170	P -4510084
14	9.9E	8.8Z	2 4.487	0.0023	12	-44 55 25.61	-0.014	12	0.70	4.383	45	04.6	24.96	45	04.6	K0	CZ	19171	P -4510085
15	9.8E	7.5Z	2 10.974	-0.0016	12	-48 1 23.45	0.006	12	0.70	11.047	45	05.0	23.70	45	05.0	K2	CZ	19172	P -4810521
16		7.1T	2 14.138	-0.0039	17	-43 43 18.47	-0.070	13	0.78	14.328	17	01.3	14.89	17	98.6	KO	GC	29437	C -4414278
17	8.5E	8.0Z	2 18.494	0.0032	12	-46 42 25.68	-0.003	12	0.70	18.350	45	04.6	25.53	45	04.6	F0	CZ	19173	P -47 9625
18		7.0T	2 20.784	-0.0030	09	-45 8 56.99	-0.018	08	0.39	20.909	15	07.8	56.16	14	04.9	KO	GC	29439	C -4514186
19		7.4T	2 50.721	-0.0001	11	-48 43 34.86	-0.025	09	0.44	50.727	14	08.2	33.78	15	06.8	G0	GC	29445	C -4913321
20	9.0E	8.0Z	3 1.222	-0.0047	12	-45 47 30.12	-0.045	12	0.70	1.433	45	04.6	28.06	45	04.6	G5	CZ	19179	P -4610147
21	8.5E	7.5Z	3 1.771	0.0006	12	-45 59 48.47	-0.000	12	0.65	1.742	36	04.3	48.46	36	04.3	KO	CZ	19178D	P*-4610148
22	10.1E	9.7Z	3 6.485	-0.0027	12	-46 12 5.73	0.024	12	0.65	6.606	36	04.3	6.81	36	04.3	F5	CZ	19180	P -4610149
23		5.6T	3 10.705	0.0024	06	-41 35 12.42	-0.013	05	0.29	10.598	12	06.1	11.79	12	00.5	KO	GC	29461	C*-4114379
24	9.3E	9.0Z	3 16.736	0.0012	12	-46 28 32.71	-0.227	12	0.65	16.679	36	04.3	22.32	36	04.3	G0	CZ	19181	P -4610150
25	9.2E	8.0Z	3 18.868	-0.0006	12	-45 30 45.26	0.029	12	0.65	18.893	36	04.9	46.55	36	04.9	K0	CZ	19183	P -4510089
26		8.2T	3 22.314	0.0022	16	-41 35 7.72	-0.052	16	0.82	22.208	21	02.5	5.01	18	97.5	F8	GC	29467	C -4114381
27	10.7E	9.5*	3 34.890	0.0030	12	-44 32 46.76	0.014	12	0.62	34.749	28	03.0	47.40	26	03.0	G0	CZ	19185	P -44 9942
28	9.1E	8.3Z	3 48.401	0.0033	12	-49 10 19.35	0.027	12	0.70	48.253	45	04.7	20.57	45	04.7	F0	CZ	19187	P -4911364
29	9.2E	9.0Z	3 48.663	0.0019	12	-49 21 26.97	-0.035	12	0.70	48.578	45	04.7	25.38	45	04.7	A5	CZ	19186	P -4911365
30	10.2E	8.5Z	4 13.488	-0.0016	12	-41 10 10.48	-0.007	12	0.65	13.567	28	00.1	10.12	26	00.1	F5	CZ	19193	P -41 9556
31	10.7E	9.7*	4 16.099	-0.0189	12	-47 30 50.28	-0.551	12	0.62	16.983	28	03.1	24.42	26	03.1	G5	CZ	19190	P -47 9633
32		7.7T	4 18.861	0.0048	20	-44 29 38.59	-0.035	20	0.91	18.647	24	05.5	37.04	24	05.1	K2	GC	29495	C -4414296
33	9.4E	9.0Z	4 19.508	0.0009	12	-45 51 5.66	0.007	12	0.71	19.466	45	03.7	5.97	45	03.7	F2	CZ	19191	P -4610156
34		8.4T	4 20.122	-0.0017	20	-45 58 16.96	-0.005	17	0.89	20.202	19	03.1	16.70	19	01.7	F5	GC	29496	C -4613843
35		6.7T	4 23.792	0.0029	11	-45 34 53.21	-0.005	08	0.53	23.645	19	99.1	52.91	18	94.0	A3	GC	29500	C -4514200
36		6.8T	4 26.991	0.0022	08	-49 8 29.76	-0.041	06	0.32	26.905	09	09.9	28.00	10	07.2	A0	GC	29507	C -4913335
37	10.0E	9.5Z	4 31.259	-0.0007	12	-42 26 50.64	0.004	12	0.66	31.296	28	99.5	50.82	26	99.5	K0	CZ	19197	P -42 9221
38		7.2T	4 38.646	0.0027	11	-46 41 41.90	0.020	09	0.44	38.537	15	09.9	42.74	15	07.2	A0	GC	29508	C -4613845
39	10.8E	9.0Z	4 40.604	0.0064	12	-40 1 34.19	0.009	12	0.65	40.285	28	00.1	34.63	26	00.1	K0	CZ	19202	P -40 9463
40	10.1E	9.7Z	4 42.568	0.0026	12	-46 23 15.48	-0.018	12	0.71	42.447	45	03.7	14.64	45	03.7	F8	CZ	19199	P -4610159
41	10.2E	8.0Z	4 45.654	0.0015	12	-48 8 23.28	-0.004	12	0.70	45.585	45	05.0	23.08	45	05.0	K5	CZ	19200	P -4810526
42	10.3E	9.5Z	4 48.213	0.0025	12	-45 32 21.92	-0.020	12	0.70	48.100	45	04.6	21.00	45	04.6	G0	CZ	19201	P -4510096
43	9.9E	8.5Z	5 35.282	0.0087	12	-45 12 50.99	0.036	12	0.70	34.885	45	04.6	52.60	45	04.6	G5	CZ	19204	P -4510100
44	10.2E	9.5Z	5 40.758	0.0015	12	-46 47 44.73	0.006	12	0.71	40.687	45	03.7	44.99	45	03.7	A0	CZ	19205	P -47 9639
45	9.3E	8.0Z	5 42.154	0.0009	12	-45 12 52.97	0.021	12	0.64	42.110	31	02.6	53.95	28	02.6	G5	CZ	19206	P -4510102
46	9.7E	9.2*	5 48.056	0.0038	12	-47 11 52.60	-0.005	12	0.64	47.873	31	02.3	52.35	28	02.3	F0	CZ	19207	P -47 9641
47	9.8E	8.0Z	5 49.623	0.0018	12	-46 58 16.05	0.009	12	0.70	49.540	45	04.1	16.45	45	04.1	M8	CZ	19208	P -47 9642
48	8.8E	8.5Z	5 50.447	0.0025	12	-43 28 42.99	-0.007	12	0.65	50.322	28	00.0	42.66	26	00.0	A0	CZ	19209	P -43 9383
49	10.3E	9.5Z	5 50.848	0.0029	12	-40 58 57.68	-0.026	12	0.65	50.703	28	00.0	56.37	26	00.0	A3	CZ	19210	P -41 9566
50		9.9T	6 1.963	0.0088	20	-44 0 10.79	-0.016	20	0.93	1.564	22	04.7	10.06	19	03.4	F2	GC	29549	C -4414311
51	10.7E	9.6*	21 6 6.877	0.0001	12	-48 3 16.57	-0.019	12	0.63	6.871	31	03.2	15.66	28	03.2	G0	CZ	19212	P -4810534
52		6.6T	6 25.768	0.0018	14	-44 24 47.98	0.006	13	0.72	25.678	17	99.9	48.32	18	97.7	K0	GC	29561	C -4414313
53	9.0E	8.4*	6 27.322	0.0026	12	-46 22 22.85	0.004	12	0.65	27.197	31	02.0	23.03	28	02.0	A0	CZ	19214	P -4610165
54	9.7E	8.2Z	6 42.223	0.0017	12	-49 2 41.10	-0.015	12	0.70	42.147	45	04.7	40.43	45	04.7		CZ	19217	P -4911377
55		6.9T	6 53.045	0.0014	08	-43 35 10.93	0.006	06	0.35	52.981	14	04.8	11.24	14	01.5	B9	GC	29572	C -4314402
56	9.8E	9.3*	7 3.402	0.0012	12	-48 31 23.49	0.016	12	0.63	3.348	31	03.2	24.24	28	03.2	G5	CZ	19219	P -4810536
57	11.2E	9.7*	7 10.180	0.0033	12	-49 34 32.17	-0.000	12	0.63	10.023	31	03.0	32.16	28	03.0	G5	CZ	19220	P -4911378
58	9.9E	8.7Z	7 14.943	-0.0039	12	-41 27 18.12	0.006	12	0.73	15.130	45	01.7	18.43	45	01.7	F8	CZ	19221	P -41 9572
59	9.8E	8.8Z	7 24.861	0.0011	12	-40 34 47.12	-0.032	12	0.82	24.808	63	02.8	45.60	57	02.8	K0	CZ	19223	P -40 9477
60	9.4E	8.3Z	7 29.633	0.0008	12	-48 22 17.19	0.007	12	0.65	29.596	36	04.9	17.51	36	04.9	A3	CZ	19222	P -4810540
61	9.6E	9.5Z	7 32.359	0.0009	12	-40 17 32.15	0.042	12	0.82	32.316	63	02.8	34.13	57	02.8	F8	CZ	19225	P -40 9479
62	8.9E	7.0Z	7 32.797	0.0014	12	-40 10 46.12	-0.054	12	0.65	32.727	28	00.0	43.41	26	00.0	G5	CZ	19226	P -40 9480
63	10.1E	9.4Z	7 39.950	0.0027	12	-47 32 40.39	-0.003	12	0.65	39.825	36	04.2	40.24	36	04.2	F5	CZ	19224	P -47 9645
64	8.9E	8.5Z	7 48.694	0.0012	12	-40 44 38.32	-0.000	12	0.82	48.637	63	02.8	38.31	57	02.8	A5	CZ	19227	P -41 9575
65	10.5E	9.5*	7 54.976	-0.0000	12	-42 25 28.08	-0.003	12	0.63	54.978	26	01.0	27.92	24	01.0	G0	CZ	19228	P -42 9231
66	9.7E	9.5Z	7 56.873	0.0020	12	-42 50 42.50	-0.003	12	0.63	56.779	26	01.6	42.34	24	01.6	F5	CZ	19229	P -43 9394
67			8 11.011	-0.0062	12	-45 16 42.50	-0.065	12	0.65	11.293	36	04.3	39.52	36	04.3	A5	CZ	19231Y	P -4510111
68	9.5E	8.0Z	8 12.953	0.0015	12	-48 58 42.91	-0.001	12	0.64	12.884	31	02.9	42.86	28	02.9	K2	CZ	19230	P -4911380
69	9.3E	8.6H	8 18.596	0.0019	12	-44 48 10.37	-0.017	12	0.62	18.504	28	02.9	9.55	26	02.9	K0	CZ	19234	P -4510113
70	10.8E	9.5*	8 19.291	0.0035	12	-46 48 30.46	0.014	12	0.62	19.124	28	02.8	31.11	26	02.8	G5	CZ	19232	P -47 9647
71	9.9E	9.5*	8 23.679	0.0006	12	-41 49 52.64	0.007	12	0.63	23.648	26	01.1	53.00	24	01.1	A0	CZ	19235	P -42 9234
72	10.6E	9.3*	8 37.858	-0.0001	12	-47 15 50.39	0.011	12	0.62	37.862	28	02.9	50.89	26	02.9	G5	CZ	19236	P -47 9648
73	10.7E	9.6*	8 45.623	0.0071	12	-49 56 22.85	-0.037	12	0.63	45.288	31	03.0	21.09	28	03.0	F8	CZ	19237	P -5011497
74	8.8E	8.0Z	8 55.232	0.0002	12	-42 15 34.72	0.002	12	0.72	55.221	45	03.1	34.84	45	03.1	G0	CZ	19240	P -42 9237
75		5.8T	9 1.357	0.0040	06	-40 28 19.69	-0.219	05	0.29	1.180	12	06.0	9.02	12	01.3	F5	GC	29614	C*-4014216
76	10.3E	9.0Z	9 2.824	-0.0008	12	-48 6 52.32	-0.011	12	0.65	2.858	36	04.9	51.80	36	04.9	K0	CZ	19239	P -4810544
77		9.1T	9 18.187	0.0107	22	-42 0 43.48	-0.106	20	1.01	17.684	19	03.2	38.43	18	02.2	G0	GC	29622K	C*-4215299
78	9.5E	8.0Z	9 24.379	0.0001	12	-45 17 9.09	-0.038	12	0.64	24.373	31	02.6	7.27	28	02.6	K2	CZ	19245	P -4510114
79	11.1E	9.8*	9 46.672	0.0061	12	-48 31 53.11	-0.031	12	0.63	46.388	31	03.3	51.66	28	03.3	F8	CZ	19246	P -4810545
80	9.9E	9.0Z	10 2.888	0.0013	12	-45 51 1.46	0.020	12	0.71	2.828	45	03.7	2.37	45	03.7	G5	CZ	19249	P -4610172
81		7.0T	10 6.570	0.0018	12	-47 45 26.69	0.009	12	0.64	6.479	15	00.5	27.13	15	98.2	M0	GC	29644	C -4813825
82		6.9T	10 32.324	0.0069	16	-43 20 10.54	-0.028	13	0.77	31.985	18	00.7	9.06	17	98.0	K0	GC	29656	C -4314425
83	9.8E	9.0Z	10 36.661	-0.0006	12	-41 36 34.38	0.014	12	0.63	36.688	28	02.0	35.07	26	02.0	K0	CZ	19254	P -41 9592
84	10.0E	8.8Z	10 39.733	0.0017	12	-40 54 53.82	0.008	12	0.63	39.651	28	02.0	54.19	26	02.0	G5	CZ	19255	P -41 9593
85		7.0T	10 57.239	0.0011	17	-45 59 21.47	-0.093	13	0.77	57.186	19	02.0	16.69	18	98.8	G5	GC	29665	C*-4613878
86		7.8T	10 58.520	0.0002	17	-44 41 53.65	-0.041	16	0.81	58.510	22	03.0	51.65	22	01.7	K0	GC	29666	C -4514262
87	8.5E	7.5Z	10 59.219	-0.0021	12	-40 10 11.75	-0.055	12	0.65	59.323	28	00.2	9.01	26	00.2	G5	CZ	19259	P -40 9497
88	8.6E	8.3Z	11 4.038	0.0028	12	-43 0 21.14	-0.047	12	0.72	3.909	45	03.1	18.92	45	03.1	A0	CZ	19260	P -43 9403
89		9.2T	11 4.330	0.0001	20	-44 1 37.24	-0.024	22	0.99	4.325	21	04.0	36.17	21	04.4	A0	GC	29671	C -4414356
90		7.9T	11 19.654	0.0013	18	-42 53 27.73	-0.060	18	0.89	19.594	19	02.4	24.82	18	01.8	K5	GC	29681	C -4314431
91		7.0T	11 36.961	-0.0016	17	-49 18 19.01	0.007	13	0.77	37.040	19	02.0	19.37	18	98.8	K0	GC	29686K	C*-4913387
92	9.3E	9.1Z	11 39.644	0.0055	12	-43 36 12.18	-0.017	12	0.72	39.386	45	03.1	11.40	45	03.1	A3	CZ	19265	P -43 9405
93	10.3E	8.9Z	11 41.990	0.0002	12	-44 25 38.27	0.030	12	0.69	41.982	45	05.5	39.60	45	05.5	K0	CZ	19266	P -44 9972
94		8.1T	11 46.041	-0.0001	18	-44 44 35.98	0.012	20	0.92	46.046	18	02.5	36.53	17	02.4	F0	GC	29689	C*-4514271
95	10.8E	9.5*	12 0.298	0.0033	12	-45 34 39.95	0.007	12	0.64	0.142	31	02.6	40.26	28	02.6	F8	CZ	19270	P -4510124
96		6.3T	12 2.293	0.0121	11	-40 42 52.69	-0.007	10	0.58	1.678	19	99.3	52.31	18	97.1	K0	GC	29696	C -4114440
97	10.2E	9.6Z	12 3.114	0.0014	12	-49 6 0.03	-0.076	12	0.70	3.053	45	05.1	-56.62	45	05.1	F8	CZ	19269	P -4911385
98	10.8E	9.7*	12 6.221	-0.0005	12	-45 6 45.57	0.004	12	0.64	6.243	31	02.6	45.75	28	02.6	F2	CZ	19271	P -4510125
99	9.4E	8.9H	12 10.687	0.0007	12	-44 42 2.02	0.011	12	0.69	10.656	45	05.5	2.49	45	05.5	F2	CZ	19273	P -4510126
00	9.3E	9.0Z	12 15.446	-0.0031	12	-41 36 15.91	0.023	12	0.70	15.586	45	04.2	16.98	45	04.2	G0	CZ	19275	P -41 9597

230600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 21H DM NUMBER
1	9.9E	9.0Z	21 12 20.233	-0.0003	12	-49 26 12.48	-0.035	12	0.70	20.247	45	05.1	10.90	45	05.1	G0	CZ	19274	P -4911386
2	9.1E	8.5Z	12 37.847	0.0012	12	-43 3 8.03	-0.011	12	0.72	37.793	45	05.1	7.49	45	05.1	K0	CZ	19280	P -43 9408
3	10.7E	9.9Z	12 42.920	0.0012	12	-48 53 32.25	-0.009	12	0.70	42.868	45	05.1	31.85	45	05.1	G0	CZ	19278	P -4911388
4	9.0E	8.4H	12 45.730	0.0022	12	-49 33 35.53	0.003	12	0.70	45.630	45	05.1	35.65	45	05.1	A0	CZ	19279	P -4911389
5	9.6E	8.5Z	12 47.818	0.0005	12	-43 9 55.13	0.002	12	0.72	47.797	45	05.1	55.21	45	05.1	K2	CZ	19283	P -43 9409
6	9.9E	9.2H	12 48.591	0.0011	12	-46 26 35.21	0.007	12	0.65	48.539	31	02.0	35.54	28	02.0	F5	CZ	19281	P -4610182
7	9.7E	9.4H	12 58.051	0.0005	12	-49 38 48.15	-0.182	12	0.70	57.668	45	05.1	39.97	45	05.1	G0	CZ	19282	P -4911390
8	10.6E	9.0Z	13 7.493	0.0006	12	-40 48 29.66	-0.003	12	0.62	7.463	26	01.8	29.31	24	01.8	K2	CZ	19287	P -41 9599
9	10.0E	9.0Z	13 10.332	0.0031	12	-40 32 36.98	-0.019	12	0.72	10.183	45	02.3	36.07	45	02.3	F8	CZ	19288	P -40 9502
10	10.4E	8.5Z	13 53.714	-0.0003	12	-48 55 1.08	0.000	12	0.70	53.729	45	05.1	1.08	45	05.1	K5	CZ	19289	P -4911392
11	9.0E	8.3H	13 58.339	0.0011	12	-48 16 44.55	0.017	12	0.63	58.286	31	03.2	45.33	28	03.2	F5	CZ	19291	P -4810554
12	10.2E	9.5Z	14 1.084	-0.0004	12	-49 50 15.23	-0.008	12	0.70	1.110	45	05.1	14.87	45	05.1	A0	CZ	19290	P -5011516
13		9.0T	14 7.869	0.0069	18	-47 14 30.24	-0.094	20	0.93	7.540	19	02.4	29.63	19	01.1	F5	GC	29757	C -4713751
14		6.7M	14 28.798	-0.0018	05	-48 55 38.34	-0.078	04	0.15	28.859	07	17.0	35.78	06	16.9	K0	F4	1557	C -4913412
15	9.7E	9.0Z	14 35.868	0.0026	12	-47 28 55.45	-0.045	12	0.70	35.747	45	04.1	53.36	45	04.1	K0	CZ	19297	P -47 9864
16	10.6E	9.5Z	14 37.178	0.0014	12	-40 14 31.36	-0.020	12	0.67	37.107	31	99.3	30.33	28	99.3	F8	CZ	19299	P -40 9507
17	10.3E	8.5Z	14 38.390	0.0021	12	-42 15 24.91	-0.004	12	0.64	38.287	28	01.6	24.73	26	01.6	K0	CZ	19298	P -42 9249
18	10.8E	9.4H	14 44.108	0.0002	12	-42 41 1.86	-0.011	12	0.64	44.101	28	01.7	1.32	26	01.7	G0	CZ	19301	P -42 9250
19	9.5E	7.5Z	15 3.744	0.0051	12	-46 27 30.42	-0.022	12	0.65	3.499	31	02.0	29.35	28	02.0	K0	CZ	19303	P -4610187
20		7.0T	15 6.122	0.0087	16	-47 12 43.40	-0.038	12	0.73	5.708	22	02.5	41.34	19	96.2	K5	GC	29778	C -4713758
21		7.6T	15 7.405	0.0019	16	-45 30 3.24	-0.004	13	0.75	7.312	19	01.0	3.02	18	98.4	A0	GC	29779	C -4514294
22		6.9T	15 10.935	0.0209	14	-43 32 44.13	-0.032	12	0.71	9.866	18	98.8	45.85	17	95.6	G5	GC	29782	C -4314464
23	9.8E	9.4H	15 23.103	0.0022	12	-44 32 5.36	-0.005	12	0.63	23.001	31	03.2	5.10	28	03.2	A0	CZ	19310	P -44 9906
24	9.1E	8.5Z	15 46.613	-0.0012	12	-44 29 22.62	-0.062	12	0.69	46.667	45	05.5	19.85	45	05.5	F8	CZ	19312	P -44 9907
25		7.4T	15 47.488	0.0023	13	-49 49 21.90	0.021	12	0.68	47.372	17	99.6	23.02	18	96.2	K0	GC	29800	C*-5013306
26	8.7E	8.3Z	15 50.839	0.0078	12	-44 24 35.92	-0.001	12	0.69	50.493	45	05.5	35.86	45	05.5	F5	CZ	19313	P -44 9908
27		7.8T	15 59.585	0.0035	17	-49 36 35.12	-0.002	13	0.77	59.418	19	02.4	35.01	18	99.3	K0	GC	29806	C -4913423
28		7.1T	16 0.050	0.0032	11	-47 15 55.81	-0.032	09	0.56	59.883	18	98.0	54.00	18	93.9	G5	GC	29807K	C -4713762
29	10.1E	9.3Z	16 4.125	0.0039	12	-49 24 32.34	-0.003	12	0.70	3.949	45	04.6	32.19	45	04.6	F2	CZ	19316	P -4911397
30		8.0T	16 17.471	-0.0008	10	-41 15 51.69	-0.010	09	0.43	17.504	14	06.8	51.25	14	05.7	F0	GC	29817	C -4114469
31	10.0E	9.0Z	16 35.329	0.0025	12	-40 16 6.32	-0.002	12	0.83	35.208	63	01.8	6.21	57	01.8	K5	CZ	19322	P -40 9517
32	8.7E	8.0Z	16 40.662	0.0059	12	-45 41 26.19	-0.016	12	0.64	40.382	31	02.6	25.42	28	02.6	G0	CZ	19320	P -4610191
33	8.6E	8.0Z	16 45.653	-0.0040	12	-49 1 32.15	-0.017	12	0.64	45.843	31	02.9	31.35	28	02.9	F8	CZ	19319	P -4911398
34		8.3T	16 50.436	0.0127	16	-42 53 27.36	-0.047	17	0.82	49.824	19	01.7	25.07	18	01.6	G0	GC	29828	C -4314479
35	7.21		16 52.207	0.0000	16	-45 14 3.64	-0.006	13	0.76	52.205	17	00.7	3.31	18	97.9	N0	GC	29831X	C*-4514302
36	9.6E	8.9Z	16 53.441	0.0001	12	-45 25 57.12	-0.016	12	0.70	53.437	45	04.7	56.38	45	04.7	A5	CZ	19324	P -4510136
37	9.2E	8.5Z	16 56.000	-0.0000	12	-43 48 19.79	-0.011	12	0.62	56.000	28	03.2	19.29	26	03.2	A2	CZ	19327	P -44 9992
38	9.4E	8.5Z	17 0.876	0.0034	12	-47 30 36.41	-0.016	12	0.70	0.718	45	04.1	35.65	45	04.1	F0	CZ	19326	P -47 9674
39	10.7E	9.5*	17 5.936	0.0026	12	-47 44 50.34	-0.023	12	0.64	5.810	31	02.3	49.22	28	02.3	G0	CZ	19328	P -4810561
40	8.2E	8.5Z	17 11.002	0.0022	12	-40 40 37.43	-0.038	12	0.66	10.891	28	99.6	35.51	26	99.6	F5	CZ	19330	P -40 9519
41	8.8E	8.5Z	17 16.744	0.0011	12	-43 47 20.86	-0.006	12	0.71	16.694	45	03.6	20.60	45	03.6	A2	CZ	19331	P -44 9994
42	10.6E	9.5*	17 18.701	0.0011	12	-47 57 46.00	-0.012	12	0.64	18.648	31	02.9	45.42	28	02.9	G5	CZ	19329	P -4810562
43		7.5T	17 33.038	-0.0087	17	-46 1 24.90	-0.006	13	0.77	33.458	17	01.7	24.58	18	98.8	G0	GC	29853	C -4613917
44		4.3M	17 34.153	0.0060	03	-41 1 19.95	-0.003	03	0.12	33.980	06	17.7	19.85	06	16.3	A2P	F4	802	C -4114475
45	9.9E	9.0Z	17 41.966	0.0081	12	-47 3 53.33	-0.046	12	0.62	41.583	28	02.9	51.14	26	02.9	G0	CZ	19333	P -47 9676
46	10.0E	8.0Z	18 7.973	-0.0007	12	-41 34 4.94	0.007	12	0.63	8.006	26	01.1	5.30	24	01.1	MA	CZ	19340	P -41 9611
47	9.3E	8.0Z	18 16.730	0.0015	12	-43 9 52.82	-0.021	12	0.62	16.660	26	02.1	51.80	24	02.1	K2	CZ	19342	P -43 9431
48	10.4E	9.0Z	18 20.958	0.0023	12	-46 20 8.30	-0.001	12	0.66	20.851	36	03.4	8.34	36	03.4	K0	CZ	19341	P -4610198
49	10.0E	8.5Z	18 25.468	0.0002	12	-40 14 24.21	-0.018	12	0.83	25.458	63	01.8	23.33	57	01.8	F5	CZ	19345	P -40 9523
50	8.6E	8.3Z	18 26.371	0.0034	12	-49 0 32.11	-0.059	12	0.70	26.219	45	04.6	29.43	45	04.6	F5	CZ	19343	P -4911401
51	10.1E	9.0Z	21 18 31.341	-0.0050	12	-41 16 26.83	-0.123	12	0.74	31.586	45	00.7	20.77	45	00.7	F8	CZ	19348	P -41 9612
52	9.6E	8.0Z	18 32.089	0.0004	12	-43 36 48.89	-0.006	12	0.62	32.070	26	02.0	49.19	24	02.0	MA	CZ	19347	P -43 9432
53	8.8E	9.0Z	18 47.051	0.0005	12	-46 42 20.21	-0.006	12	0.63	47.026	28	02.1	19.91	26	02.1	A2	CZ	19349	P -47 9680
54	10.4E	9.0Z	18 57.913	-0.0002	12	-44 28 24.86	-0.022	12	0.64	57.923	31	02.6	25.89	28	02.6	K0	CZ	19350	P -44 9999
55		8.8T	19 15.745	-0.0074	20	-44 21 34.32	-0.080	22	0.99	16.085	21	04.0	30.65	21	04.4	G5	GC	29897	C -4414432
56		7.1T	19 23.089	-0.0004	16	-48 40 9.74	-0.150	13	0.75	23.091	17	01.2	1.98	18	98.3	K0	GC	29901	C -4813677
57		9.6T	19 37.708	-0.0048	22	-42 9 2.66	-0.045	22	1.07	37.929	19	03.6	0.56	19	03.0	F5	GC	29908	C -4215412
58	10.2E	9.5Z	19 58.699	0.0129	12	-43 9 33.33	-0.005	12	0.72	58.091	45	02.7	33.07	45	02.7	G0	CZ	19354	P -43 9437
59	8.9E	7.5Z	20 11.232	-0.0062	12	-41 45 53.98	-0.125	12	0.74	11.536	45	00.7	47.84	45	00.7	G5	CZ	19355	P -42 9265
60	8.3E	7.5Z	20 21.813	0.0025	12	-40 28 6.26	-0.032	12	0.83	21.692	63	01.8	4.71	57	01.8	F0	CZ	19356	P -40 9529
61	9.3E	9.0Z	20 34.718	0.0032	12	-40 0 59.79	-0.039	12	0.83	34.564	63	01.8	57.90	57	01.8	F8	CZ	19359	P -40 9532
62		7.6T	20 54.313	-0.0026	12	-40 14 41.20	-0.021	11	0.50	54.417	15	09.7	40.32	15	08.3	F5	GC	29942	C -4014328
63	10.3E	9.7Z	20 55.019	0.0047	12	-46 10 56.07	-0.035	12	0.71	54.799	45	03.2	54.42	45	03.2	F8	CZ	19360	P -4610206
64	9.3E	9.0Z	20 57.611	-0.0016	12	-43 49 40.33	0.022	12	0.64	57.667	31	02.6	41.40	28	02.6	F2	CZ	19362	P -4410009
65		6.5T	21 1.857	0.0041	08	-46 49 48.00	-0.018	07	0.37	1.673	14	05.3	47.11	12	01.6	A2	GC	29944	C -4713796
66	10.7E	9.8*	21 11.119	0.0102	12	-47 24 9.16	0.032	12	0.64	10.632	31	02.3	10.67	28	02.3		CZ	19365	P -47 9689
67		5.9T	21 13.966	0.0027	09	-41 13 19.78	0.003	07	0.39	13.837	12	02.8	19.92	10	00.3	A0P	GC	29950K	C*-4114503
68	10.1E	8.5Z	21 17.398	0.0004	12	-49 23 36.61	0.029	12	0.61	17.381	28	03.6	37.95	26	03.6	K0	CZ	19366	P -4911409
69	9.9E	9.3*	21 20.443	0.0002	12	-48 22 40.81	0.018	12	0.64	20.432	31	02.9	41.66	28	02.9	A0	CZ	19367	P -4810570
70	8.9E	8.3Z	21 34.489	0.0021	12	-42 12 41.39	0.001	12	0.66	34.488	28	99.5	41.46	26	99.5	F8	CZ	19370	P -42 9269
71	11.0E	9.2*	21 34.564	0.0024	12	-49 48 34.23	0.001	12	0.61	34.452	28	03.9	34.26	26	03.9	K2	CZ	19369	P -5011544
72	9.9E	8.7Z	21 40.154	0.0015	12	-40 56 45.92	0.033	12	0.74	40.079	45	00.7	47.54	45	00.7	F0	CZ	19371	P -41 9628
73	10.7E	9.5*	21 44.387	0.0004	12	-42 58 1.48	-0.000	12	0.64	44.369	28	01.0	1.46	26	01.0	G5	CZ	19372	P -43 9442
74	9.8E	8.5Z	21 50.413	0.0000	12	-45 13 52.02	-0.040	12	0.70	50.411	45	04.1	50.17	45	04.1	K0	CZ	19373	P -4510144
75	10.0E	9.3*	21 55.129	0.0008	12	-44 16 2.78	0.011	12	0.64	55.091	31	02.6	3.32	28	02.6	A0	CZ	19374	P -4410012
76		7.2T	22 7.074	0.0010	11	-45 22 39.95	-0.005	09	0.45	7.033	15	09.8	39.72	15	07.1	A0	GC	29971	C -4514332
77	9.3E	8.4*	22 10.531	0.0027	12	-46 1 12.91	-0.015	12	0.65	10.401	31	01.7	12.16	28	01.7	G5	CZ	19377	P -4610210
78	9.0E	8.5Z	22 16.777	0.0015	12	-41 55 5.48	0.019	12	0.66	16.699	28	99.4	6.46	26	99.4	MB	CZ	19379	P -42 9273
79		7.4T	22 23.379	0.0031	16	-46 56 18.15	-0.030	12	0.74	23.230	22	01.8	16.52	19	96.4	A3	GC	29984	C -4713804
80	9.0E	8.0*	22 23.538	-0.0059	12	-46 23 10.23	-0.024	12	0.65	23.823	31	01.7	9.07	28	01.7	F2	CZ	19380	P -4610212
81	10.0E	9.4Z	22 33.647	-0.0018	12	-47 49 59.59	0.009	12	0.70	33.726	45	04.6	59.98	45	04.6	F8	CZ	19381	P -4810574
82		8.0T	22 36.656	0.0001	20	-43 59 39.74	-0.080	22	0.97	36.651	24	05.4	36.20	24	05.6	F2	GC	29990	C -4414463
83	10.4E	9.1Z	22 54.972	-0.0007	12	-41 16 21.46	0.002	12	0.65	55.006	26	00.0	21.55	24	00.0	A0	CZ	19385	P -41 9631
84	10.3E	9.8Z	22 58.978	0.0008	12	-46 30 32.74	-0.000	12	0.66	58.939	36	03.4	32.72	36	03.4	F5	CZ	19384	P -4610215
85	8.9E	8.5Z	23 5.835	-0.0027	12	-47 12 9.28	-0.003	12	0.63	5.961	28	02.6	9.12	26	02.6	A5	CZ	19386	P -47 9697
86	9.9E	9.0*	23 13.808	0.0021	12	-44 48 53.03	0.012	12	0.62	13.708	28	03.1	53.57	26	03.1	F2	CZ	19387	P -4510148
87		7.0T	23 19.733	0.0031	13	-46 16 58.23	-0.108	09	0.62	19.582	18	01.1	52.08	19	93.2	F8	GC	30009K	C -4613954
88		8.0T	23 20.585	-0.0085	22	-45 3 47.75	-0.028	20	0.98	20.966	21	05.0	46.45	19	04.2	F8	GC	30010	C -4514338
89	10.2E	9.0Z	23 29.083	0.0025	12	-49 9 50.50	-0.023	12	0.70	28.972	45	05.1	49.47	45	05.1	F2	CZ	19390	P -4911416
90	9.4E	8.3Z	23 39.514	-0.0008	12	-42 17 32.10	-0.036	12	0.66	39.556	28	99.6	30.27	26	99.6	K0	CZ	19392	P -42 9274
91	8.6E	7.5Z	23 44.658	0.0234	12	-45 1 42.67	0.181	12	0.65	43.595	36	04.6	50.88	36	04.6	K0	CZ	19393	P -4510150
92		5.6T	23 49.610	-0.0045	07	-42 45 56.19	0.021	06	0.35	49.835	10	00.5	57.24	10	99.2	A3P	GC	30021K	C*-4314539
93	10.6E	9.7*	23 55.771	-0.0063	12	-47 43 10.20	0.050	12	0.64	56.067	28	02.6	12.55	26	02.6	G5	CZ	19394	P -4810576
94	10.8E	9.8Z	23 56.558	0.0060	12	-43 33 46.96	-0.053	12	0.64	56.266	28	01.2	44.35	26	01.2	G0	CZ	19396	P -43 9453
95	9.5E	9.0Z	24 6.564	0.0031	12	-44 8 29.37	-0.040	12	0.64	6.418	31	02.5	27.49	28	02.5	G0	CZ	19398	P -4410021
96	9.6E	9.3*	24 12.597	0.0028	12	-48 9 3.17	-0.003	12	0.64	12.463	31	02.9	3.00	28	02.9	G0	CZ	19397	P -4810577
97	10.2E	9.0Z	24 22.792	0.0070	12	-47 5 1.36	-0.052	12	0.70	22.469	45	04.1	-58.96	45	04.1	K0	CZ	19400	P -47 9700
98	9.8E	8.5*	24 26.323	-0.0007	12	-49 28 51.07	0.008	12	0.63	26.357	31	03.3	51.43	28	03.3	G5	CZ	19399	P -4911419
99	10.4E	9.4Z	24 30.177	0.0018	12	-48 3 12.19	0.004	12	0.70	30.094	45	04.6	12.35	45	04.6	G5	CZ	19401	P -4810578
00	9.3E	8.3H	24 52.005	0.0020	12	-44 39 22.30	0.013	12	0.64	51.910	31	02.6	22.90	28	02.6	G5	CZ	19402	P -4410025

230700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-40° 21H DM NUMBER
1	10.3E	9.4Z	21 25 5.390	0.0066	12	-42 50 2.92	-0.006	12	0.71	5.083	45	03.2	2.62	45	03.2	F8	CZ	19404	P -43 9455
2	10.4E	9.3*	25 12.046	0.0013	12	-46 2 45.74	-0.008	12	0.65	11.983	31	01.6	45.33	28	01.6	F5	CZ	19405	P -4610221
3	10.0E	9.0Z	25 17.378	0.0049	12	-48 17 46.37	-0.045	12	0.70	17.154	45	04.6	44.33	45	04.6	K0	CZ	19406	P -4810581
4	10.1E	9.0Z	25 34.864	0.0003	12	-49 38 37.53	-0.010	12	0.70	34.849	45	05.1	37.07	45	05.1	K0	CZ	19407	P -4911424
5	9.7E	9.3Z	25 36.640	-0.0022	12	-40 55 8.57	-0.006	12	0.66	36.751	28	99.4	8.26	26	99.4	F5	CZ	19409	P -41 9636
6	10.6E	9.1*	25 52.585	0.0027	12	-46 34 57.27	0.001	12	0.65	52.453	31	01.7	57.30	28	01.7	K0	CZ	19411	P -4610224
7	10.0E	9.5Z	25 53.072	0.0029	12	-48 12 58.23	-0.012	12	0.70	52.938	45	04.6	57.66	45	04.6	F2	CZ	19410	P -4810583
8	10.6E	9.0Z	26 3.552	-0.0019	12	-41 38 5.83	-0.006	12	0.66	3.646	28	99.5	5.55	26	99.5	M8	CZ	19415	P -41 9637
9	11.3E	10.0*	26 8.140	0.0032	12	-48 43 17.60	-0.006	12	0.64	7.991	31	02.9	17.31	28	02.9		CZ	19412	P -4911426
10	10.1E	9.0Z	26 8.369	0.0021	12	-48 21 51.91	-0.045	12	0.64	8.269	31	02.9	49.79	28	02.9	G0	CZ	19414	P -4810585
11	10.1E	9.3*	26 9.769	-0.0023	12	-49 43 33.01	-0.069	12	0.63	9.875	31	03.3	29.77	28	03.3	G5	CZ	19413	P -5011556
12	9.6E	8.8Z	26 27.717	0.0023	12	-42 1 1.89	-0.037	12	0.65	27.600	28	00.0	0.06	26	00.0	F8	CZ	19417	P -42 9280
13		7.1T	26 38.288	0.0066	08	-43 43 34.51	-0.040	06	0.38	37.983	14	03.8	32.45	12	97.9	G5	GC	30075	C -4414505
14	9.5E	8.5Z	26 42.479	0.0009	12	-40 37 13.40	-0.007	12	0.66	42.434	28	99.6	13.04	26	99.6	K0	CZ	19419	P -40 9554
15	9.6E	8.0Z	26 55.089	0.0006	12	-45 47 47.86	-0.001	12	0.65	55.059	31	01.6	47.80	28	01.6	K0	CZ	19420	P -4610225
16		7.3T	26 58.431	-0.0007	14	-44 17 42.43	-0.039	12	0.71	58.466	17	99.4	40.39	18	97.1	G5	GC	30088	C -4414506
17	9.1E	8.9H	27 22.658	-0.0014	12	-49 42 9.53	-0.015	12	0.65	22.720	36	04.9	8.84	36	04.9	F0	CZ	19422	P -5011560
18	10.4E	9.5Z	27 25.594	-0.0003	12	-44 26 33.84	-0.006	12	0.70	25.608	45	04.6	33.55	45	04.6	G0	CZ	19423	P -4410040
19	10.1E	9.5Z	27 33.776	0.0049	12	-44 27 13.52	-0.018	12	0.70	33.554	45	04.6	12.69	45	04.6	F8	CZ	19425	P -4410041
20	9.7E	8.5Z	27 46.580	0.0031	12	-49 51 36.80	-0.079	12	0.70	46.437	45	04.2	33.17	45	04.2	K2	CZ	19426	P -5011562
21	10.7E	9.6Z	28 7.665	0.0009	12	-42 32 24.09	-0.022	12	0.64	7.623	26	00.4	22.98	24	00.4		CZ	19430	P -42 9285
22	9.8E	8.8Z	28 9.811	-0.0013	12	-45 45 13.07	0.005	12	0.63	9.872	28	02.6	13.29	26	02.6	K0	CZ	19429	P -4610232
23	9.6E	9.0Z	28 22.272	0.0334	12	-46 7 18.88	0.031	12	0.66	20.715	36	03.4	20.31	36	03.4	G5	CZ	19431	P -4610234
24	10.9E	9.8*	28 50.213	-0.0017	12	-46 30 6.28	-0.014	12	0.63	50.293	28	02.2	5.60	26	02.2		CZ	19432	P -4610237
25	8.7E	8.0Z	28 55.249	0.0052	12	-49 4 28.51	-0.053	12	0.63	55.007	31	03.2	26.02	28	03.2	A3	CZ	19433	P -4911434
26		5.4T	28 56.364	0.0015	07	-41 24 3.15	0.008	05	0.30	56.299	12	07.9	3.53	12	01.6	K0	GC	30138	C*-4114550
27	9.7E	9.0Z	28 59.640	0.0012	12	-46 10 14.75	-0.012	12	0.63	59.582	28	02.2	14.16	26	02.2	F2	CZ	19435	P -4610239
28	9.3E	8.0Z	29 1.450	0.0015	12	-47 27 17.12	-0.005	12	0.62	1.378	28	02.8	16.87	26	02.8	A5	CZ	19434	P -47 9710
29		8.5T	29 3.315	-0.0034	17	-40 25 3.47	-0.229	16	0.80	3.474	18	02.8	52.47	18	02.0	G5	GC	30141	C -4014392
30	10.8E	9.4*	29 6.031	-0.0007	12	-48 25 20.88	-0.008	12	0.62	6.063	28	03.3	20.50	26	03.3	G5	CZ	19436	P -4810595
31	9.9E	9.0Z	29 18.676	-0.0021	12	-45 55 18.62	0.021	12	0.71	18.773	45	03.7	19.58	45	03.7	F5	CZ	19440	P -4610241
32	10.4E	9.5Z	29 27.782	0.0017	12	-43 31 11.29	0.005	12	0.64	27.699	28	01.4	11.51	26	01.4	F8	CZ	19441	P -43 9471
33	10.0E	9.5Z	29 39.857	-0.0004	12	-40 11 55.00	0.016	12	0.66	39.877	28	99.6	55.80	26	99.6	F0	CZ	19444	P -40 9562
34	9.6E	9.0*	29 42.313	0.0016	12	-47 51 1.19	-0.058	12	0.62	42.236	28	02.9	58.44	26	02.9	F5	CZ	19443	P -4810598
35	11.2E	10.0*	29 48.803	0.0056	12	-42 4 31.39	-0.005	12	0.65	48.525	28	00.7	31.16	26	00.7		CZ	19445	P -42 9290
36	9.9E	9.0Z	30 5.180	-0.0050	12	-46 12 24.50	-0.065	12	0.71	5.411	45	03.7	21.50	45	03.7	F8	CZ	19447	P -4610246
37		5.7H	30 9.609	-0.0017	03	-45 4 15.19	-0.004	04	0.14	9.669	06	14.7	15.06	06	16.6	K0	F4	1567	C -4514367
38	9.5E	9.0*	30 10.784	0.0017	12	-49 34 17.04	-0.010	12	0.63	10.703	31	03.2	16.55	28	03.2	F5	CZ	19446	P -4911437
39		7.1T	30 44.962	0.0013	09	-46 49 57.74	-0.039	08	0.41	44.903	14	05.6	55.87	14	02.6	K0	GC	30175	C -4713854
40	10.4E	9.3*	30 46.977	0.0165	12	-44 5 7.29	-0.059	12	0.64	46.197	31	02.6	4.50	28	02.6	G0	CZ	19453	P -4410048
41		6.4T	31 6.002	-0.0038	17	-43 8 51.76	-0.020	13	0.78	6.186	18	01.1	50.70	17	98.3	K0	GC	30183	C -4314602
42	9.7E	9.4*	31 15.040	0.0001	12	-44 52 22.45	0.027	12	0.64	15.036	31	02.5	23.75	28	02.5	F5	CZ	19455D	P*-4510160
43	9.0E	8.0Z	31 48.212	0.0012	12	-45 13 17.48	-0.015	12	0.64	48.154	31	02.6	16.79	28	02.6	F8	CZ	19457	P -4510162
44	9.8E	9.0Z	32 32.686	0.0008	12	-42 15 32.74	-0.026	12	0.65	32.647	28	00.5	31.46	26	00.5	F8	CZ	19458	P -42 9296
45	10.9E	9.0Z	32 51.888	0.0009	12	-48 10 45.59	-0.002	12	0.64	51.848	31	02.9	45.51	28	02.9	M8	CZ	19459	P -4810604
46	10.9E	9.3*	33 10.244	0.0037	12	-42 41 14.53	-0.016	12	0.63	10.063	26	01.2	13.77	24	01.2	G5	CZ	19464	P -43 9482
47	10.3E	9.5Z	33 13.185	0.0050	12	-45 52 19.71	-0.034	12	0.66	12.953	36	03.7	18.15	36	03.7	G0	CZ	19463	P -4610255
48	8.7E	7.1H	33 15.728	-0.0011	12	-40 33 16.34	-0.007	12	0.65	15.783	28	00.4	16.01	26	00.4	K5	CZ	19466	P -40 9572
49	9.2E	8.5Z	33 16.147	-0.0011	12	-40 54 15.18	0.000	12	0.64	16.202	26	00.7	15.20	24	00.7	F8	CZ	19465	P -41 9660
50	8.9E	8.0Z	33 20.438	-0.0003	12	-44 4 20.14	0.007	12	0.62	20.453	28	03.3	20.47	26	03.3	G5	CZ	19467	P -4410057
51	9.2E	9.0Z	21 33 30.441	0.0026	12	-40 3 29.01	-0.029	12	0.67	30.311	31	99.5	27.56	28	99.5	F8	CZ	19470	P -40 9574
52	10.7E	9.3*	33 30.493	0.0041	12	-47 25 28.96	-0.004	12	0.63	30.301	28	02.6	28.77	26	02.6	G5	CZ	19468	P -47 9722
53	10.7E	9.5*	33 36.260	0.0036	12	-42 59 16.36	-0.038	12	0.63	36.084	26	01.7	14.53	24	01.7	G0	CZ	19471	P -43 9483
54	9.1E	8.0Z	33 45.286	0.0020	12	-45 57 3.13	-0.024	12	0.66	45.192	36	03.7	2.02	36	03.7	K0	CZ	19472	P -4610257
55	10.0E	8.6Z	33 46.695	-0.0013	12	-45 6 59.38	0.001	12	0.65	46.755	36	04.9	59.42	36	04.9	K2	CZ	19473	P -4510167
56	9.7E	8.5Z	33 55.236	0.0015	12	-41 45 42.77	0.001	12	0.73	55.162	45	01.7	42.81	45	01.7	G5	CZ	19475	P -42 9298
57	10.5E	8.5Z	33 57.966	-0.0009	12	-44 12 29.37	0.001	12	0.70	58.007	45	04.6	29.41	45	04.6	G5	CZ	19474	P -4410059
58	10.0E	8.5Z	33 58.655	-0.0028	12	-40 54 20.82	-0.046	12	0.73	58.790	45	01.7	18.62	45	01.7	G5	CZ	19476	P -41 9664
59	10.2E	9.0Z	34 10.859	-0.0019	12	-44 11 2.72	0.027	12	0.70	10.946	45	04.6	3.95	45	04.6	F8	CZ	19477	P -4410060
60	9.2E	8.6*	34 22.468	0.0013	12	-49 32 46.72	-0.003	12	0.64	22.408	31	02.9	46.58	28	02.9	K0	CZ	19478	P -4911452
61	9.4E	8.9*	34 25.633	0.0046	12	-46 15 59.64	-0.018	12	0.65	25.411	31	02.0	58.78	28	02.0	G0	CZ	19480	P -4610258
62		7.3T	34 29.332	0.0003	17	-45 48 33.07	-0.109	13	0.77	29.317	15	01.2	27.52	17	98.9	F5	GC	30255	C*-4614022
63	10.7E	9.0Z	34 31.783	0.0020	12	-48 33 7.21	0.000	12	0.64	31.690	31	02.9	7.23	28	02.9	K2	CZ	19481	P -4810608
64	10.2E	9.1*	34 48.457	0.0014	12	-45 8 42.85	-0.032	12	0.64	48.392	31	02.6	41.33	28	02.6	G0	CZ	19483	P -4510169
65	11.2E	9.6Z	34 59.650	0.0009	12	-42 4 36.00	-0.010	12	0.65	59.605	28	00.6	35.51	26	00.6		CZ	19485	P -42 9301
66	9.2E	8.5Z	34 59.760	-0.0000	12	-43 39 31.19	0.011	12	0.71	59.761	45	03.2	31.70	45	03.2	K0	CZ	19484	P -43 9484
67	10.3E	9.1*	35 30.696	-0.0018	12	-42 56 14.56	0.034	12	0.64	30.782	28	01.4	16.22	26	01.4	G0	CZ	19487	P -43 9486
68		8.2T	35 33.645	0.0051	16	-41 16 26.00	0.006	13	0.76	33.392	18	00.5	26.31	17	97.3	A3	GC	30279	C -4114598
69	9.6E	9.6Z	35 55.864	0.0081	12	-46 19 26.32	-0.010	12	0.71	55.488	45	03.7	25.86	45	03.7	B9	CZ	19489	P -4610262
70	9.4E	9.0Z	36 8.918	0.0017	12	-46 15 34.82	0.001	12	0.71	8.839	45	03.7	34.87	45	03.7	A0	CZ	19490	P -4610263
71	10.1E	9.4*	36 9.861	-0.0010	12	-44 4 14.59	0.008	12	0.64	9.909	31	02.6	14.97	28	02.6	A0	CZ	19491	P -4410068
72	9.5E	9.0Z	36 18.438	0.0055	12	-46 32 56.25	-0.045	12	0.65	18.172	31	02.0	54.09	28	02.0	F0	CZ	19492	P -4610264
73	8.1E	7.9H	36 19.994	0.0016	12	-44 48 32.80	0.003	12	0.64	19.918	31	02.6	32.95	28	02.6	A3	CZ	19495	P -4510174
74	10.4E	8.8Z	36 20.786	-0.0032	12	-43 15 22.14	-0.032	12	0.71	20.933	45	03.2	20.65	45	03.2	K0	CZ	19497	P -43 9489
75	11.8E	10.5H	36 22.830	-0.0007	12	-48 33 43.08	-0.044	12	0.70	22.862	45	04.6	41.09	45	04.6	G0	CZ	19493	P -4810616
76		6.9T	36 32.994	0.0014	13	-42 40 20.81	0.005	12	0.69	32.921	18	99.5	21.05	17	97.7	A3	GC	30301	C -4314645
77	9.4E	9.0Z	36 39.850	0.0055	12	-49 10 23.57	0.011	12	0.70	39.600	45	04.6	24.09	45	04.6	F2	CZ	19498	P -4911465
78		6.9T	36 41.867	-0.0032	16	-43 21 31.94	0.008	13	0.75	42.023	17	01.0	32.34	17	97.8	K0	GC	30308	C -4314647
79	10.4E	9.5Z	36 41.916	0.0002	12	-44 53 31.51	-0.029	12	0.70	41.907	45	04.6	30.19	45	04.6	F8	CZ	19500	P -4510175
80		9.3T	36 55.095	-0.0058	22	-40 43 15.19	-0.003	22	1.06	55.362	18	03.9	15.04	18	03.4	G5	GC	30313	C -4114602
81	10.5E	9.5Z	37 0.611	0.0045	12	-46 6 15.73	-0.054	12	0.71	0.402	45	03.7	13.23	45	03.7	G0	CZ	19502	P -4610267
82		10.0T	37 4.182	-0.0003	18	-42 51 27.03	-0.007	20	0.92	4.194	29	03.2	26.69	26	03.9	F0	GC	30318	C -4314650
83	9.9E	9.1H	37 6.829	0.0029	12	-44 37 55.10	-0.008	12	0.64	6.693	31	02.6	54.73	28	02.6	K2	CZ	19505	P -4410070
84		7.0T	37 21.742	-0.0002	11	-41 24 40.68	0.019	10	0.49	21.750	12	06.2	41.52	12	05.4	K0	GC	30321	C -4114605
85	10.5E	9.3*	37 23.930	0.0014	12	-46 52 22.34	0.011	12	0.62	23.866	28	02.8	22.86	26	02.8	K0	CZ	19507	P -47 9730
86		7.7T	37 24.775	0.0051	09	-48 56 34.87	-0.029	08	0.40	24.551	15	05.8	33.51	14	03.5	G0	GC	30323	C -4913560
87	11.4E	9.8*	37 30.280	0.0043	12	-45 33 59.51	-0.031	12	0.64	30.075	31	02.7	58.04	28	02.7		CZ	19509	P -4510179
88	9.5E	8.0Z	37 31.979	-0.0008	12	-46 24 40.95	-0.039	12	0.63	32.016	28	02.4	39.10	26	02.4	K0	CZ	19510D	P*-4610270
89	9.9E	9.5Z	37 32.567	0.0086	12	-40 1 2.52	-0.089	12	0.66	32.136	28	99.7	58.06	26	99.7	G0	CZ	19512	P -40 9583
90	11.0E	9.8*	37 41.908	0.0004	12	-47 49 16.84	0.011	12	0.62	41.890	28	03.3	17.35	26	03.3	G0	CZ	19511	P -4810619
91	10.2E	9.1Z	37 51.892	0.0028	12	-47 43 16.64	0.004	12	0.65	51.765	36	04.3	16.82	36	04.3	K2	CZ	19513	P -4810621
92	9.6E	8.9*	38 14.977	0.0023	12	-48 21 23.81	-0.027	12	0.62	14.871	28	03.3	22.57	26	03.3	F5	CZ	19514	P -4810624
93	12.3E	10.5H	38 16.149	0.0029	12	-48 21 27.09	-0.002	12	0.65	16.019	36	04.6	27.02	36	04.6	F5	CZ	19515	P -4810624
94	9.7E	9.4Z	38 16.190	0.0013	12	-44 57 9.12	0.029	12	0.65	16.130	36	04.3	10.45	36	04.3	G0	CZ	19516	P -4510180
95	10.5E	9.3*	38 25.261	0.0025	12	-41 51 40.43	-0.004	12	0.65	25.138	28	00.9	40.23	26	00.9	F5	CZ	19517	P -42 9312
96		8.4T	38 33.437	-0.0001	09	-45 59 11.03	0.028	07	0.38	33.441	15	07.3	12.33	15	04.2	A5	GC	30346	C -4614042
97	9.4E	8.5Z	38 40.145	0.0070	12	-40 54 33.85	-0.022	12	0.65	39.797	28	00.3	32.78	26	00.3	K0	CZ	19519	P -41 9680
98	9.7E	9.0Z	39 2.054	0.0179	12	-41 20 57.59	-0.282	12	0.73	1.189	45	01.7	43.98	45	01.7	K0	CZ	19521	P -41 9682
99	8.7E	8.5Z	39 12.665	0.0036	12	-41 26 14.29	-0.039	12	0.73	12.491	45	01.7	12.40	45	01.7	G0	CZ	19523	P -41 9683
00	9.6E	8.9*	39 22.414	0.0034	12	-44 26 43.43	0.021	12	0.64	22.254	31	02.6	44.44	28	02.6	G5	CZ	19525	P -4410073

230800 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.2E	9.1*	21 39 23.471	0.0070	12	-47 43 23.08	-0.024	12	0.64	23.138	31	02.3	22.03	28	02.3	G0	CZ	19524	P -4810626
2	9.9E	8.5Z	39 34.365	-0.0078	12	-48 39 41.60	-0.023	12	0.70	34.720	45	04.6	40.57	45	04.6	G0	CZ	19526	P -4911475
3	10.4E	9.5*	39 36.683	-0.0032	12	-43 11 9.79	0.009	12	0.64	36.836	31	02.6	10.22	28	02.6	F5	CZ	19527	P -4510185
4	11.2E	9.5*	39 41.390	-0.0008	12	-43 0 32.16	0.002	12	0.64	41.432	28	01.4	32.27	26	01.4	K0	CZ	19529	P -43 9502
5	10.0E	9.5Z	39 46.347	0.0020	12	-41 33 57.22	-0.003	12	0.73	46.250	45	01.7	57.07	45	01.7	G0	CZ	19530	P -41 9685
6	8.6E	8.0Z	39 48.169	-0.0055	12	-48 25 6.50	-0.024	12	0.70	48.421	45	04.6	5.39	45	04.6	A5	CZ	19528	P -4810629
7		6.8T	39 51.219	0.0190	06	-43 43 27.37	-0.060	05	0.32	50.269	14	01.0	24.12	12	95.4	G0	GC	30381	C*-4414601
8	10.6E	9.6*	39 53.343	-0.0005	12	-42 6 53.95	0.015	12	0.65	53.367	28	00.7	54.69	26	00.7	F8	CZ	19532	P -42 9320
9	9.8E	9.0Z	40 5.554	0.0014	12	-43 40 27.18	-0.017	12	0.71	5.489	48	03.2	26.38	45	03.2	G0	CZ	19533	P -4410077
10	9.8E	8.5Z	40 10.261	0.0024	12	-43 37 10.34	-0.059	12	0.71	10.150	45	03.2	7.58	45	03.2	K0	CZ	19536	P -43 9504
11	9.1E	8.3*	40 14.881	0.0021	12	-49 5 5.81	-0.056	12	0.64	14.781	31	03.0	3.20	28	03.0	F8	CZ	19534	P -4911478
12	10.8E	9.7Z	40 15.550	0.0001	12	-47 50 49.80	-0.022	12	0.70	15.547	45	04.6	48.11	45	04.6	F8	CZ	19535	P -4810831
13	10.4E	9.2*	40 24.516	0.0056	12	-41 31 5.43	0.003	12	0.65	24.237	28	00.4	5.57	26	00.4	F8	CZ	19537	P -41 9687
14	10.4E	9.5Z	40 43.428	-0.0029	12	-46 50 37.43	0.009	12	0.64	43.568	31	02.2	37.87	28	02.2	K0	CZ	19538	P -47 9742
15	8.7E	8.0Z	40 47.937	0.0031	12	-42 24 9.41	-0.010	12	0.72	47.787	45	02.2	8.95	45	02.2	F2	CZ	19539	P -42 9322
16	9.5E	8.0Z	41 8.039	0.0022	12	-48 32 15.76	-0.003	12	0.64	7.936	31	02.9	15.64	28	02.9	G5	CZ	19540	P -4810836
17	9.8E	9.0Z	41 8.904	-0.0002	12	-41 9 45.37	-0.019	12	0.73	8.914	45	01.7	44.47	45	01.7	F8	CZ	19541	P -41 9689
18	9.8E	8.0Z	41 24.703	0.0025	12	-49 3 50.82	-0.002	12	0.70	24.590	45	04.6	50.75	45	04.6	K2	CZ	19542	P -4911481
19	9.3E	8.0Z	41 36.946	0.0000	12	-42 21 35.09	0.016	12	0.65	36.945	28	00.4	35.89	26	00.4	G0	CZ	19543	P -42 9324
20	9.1E	8.3Z	41 43.824	-0.0010	12	-42 30 55.43	-0.023	12	0.65	43.871	28	00.7	54.30	26	00.7	G0	CZ	19545	P -42 9325
21	9.6E	9.1Z	41 59.344	0.0021	12	-43 20 11.30	0.051	12	0.71	59.246	45	03.2	13.69	45	03.2	F8	CZ	19548	P -43 9512
22		6.5T	42 0.688	0.0099	15	-49 43 47.95	0.057	11	0.68	0.200	17	00.8	50.95	15	97.1	K0	GC	30441	C -5013463
23	9.6E	9.1*	42 3.068	-0.0006	12	-47 24 19.56	-0.010	12	0.64	3.098	31	02.2	19.08	28	02.2	F8	CZ	19547	P -47 9748
24	9.7E	9.0Z	42 4.510	-0.0035	12	-46 41 9.45	-0.029	12	0.65	4.676	31	02.0	8.06	28	02.0	F2	CZ	19549	P -47 9749
25	9.3E	8.6Z	42 6.194	0.0036	12	-41 40 42.24	-0.038	12	0.73	6.020	45	01.7	40.40	45	01.7	F8	CZ	19550	P -42 9326
26	10.0E	9.0Z	42 15.684	0.0048	12	-42 12 49.52	-0.046	12	0.72	15.454	45	02.2	47.32	45	02.2	K0	CZ	19553	P -42 9328
27	10.7E	9.7*	42 16.209	0.0012	12	-45 51 41.98	-0.030	12	0.65	16.151	31	02.0	40.54	28	02.0		CZ	19551	P -4610282
28	10.3E	9.6*	42 24.725	0.0039	12	-49 25 34.80	-0.022	12	0.64	24.541	31	03.0	33.77	28	03.0	G0	CZ	19552	P -4911487
29	9.8E	8.5Z	42 29.709	0.0031	12	-44 22 13.08	0.012	12	0.64	29.563	31	02.6	13.65	28	02.6	K0	CZ	19554	P -4410092
30	9.2E	8.5Z	42 43.226	0.0036	12	-41 27 37.11	-0.025	12	0.65	43.046	28	00.3	35.86	26	00.3	G0	CZ	19557	P -41 9697
31	10.5E	9.5Z	42 58.203	0.0024	12	-45 23 9.37	-0.004	12	0.62	58.090	28	03.3	9.18	26	03.3	K5	CZ	19559	P -4510198
32		7.6T	43 0.219	-0.0010	07	-47 38 1.93	0.023	07	0.37	0.266	12	00.4	3.16	12	97.3	K2	GC	30465	C -4713920
33	10.9E	10.0*	43 13.041	0.0020	12	-40 39 30.66	-0.020	12	0.65	12.942	28	00.4	29.69	26	00.4		CZ	19560	P -41 9698
34	9.7E	8.5Z	43 17.812	-0.0003	12	-43 10 7.59	-0.002	12	0.63	17.825	26	01.4	7.50	24	01.4	K0	CZ	19561	P -43 9520
35	10.4E	9.2*	43 35.933	-0.0053	12	-46 14 1.76	-0.028	12	0.63	36.183	28	02.5	0.43	26	02.5	K0	CZ	19562	P -4610287
36		7.8T	43 39.172	0.0007	17	-46 37 14.50	0.020	13	0.77	39.137	18	02.4	15.56	21	98.3	K0	GC	30476	C*-4614065
37	10.6E	9.5Z	43 54.946	0.0008	12	-40 3 44.69	-0.013	12	0.66	54.907	28	99.4	44.06	26	99.4	K0	CZ	19566	P -40 9595
38	10.2E	9.3M	43 57.558	-0.0001	12	-46 40 57.37	-0.017	12	0.63	57.561	28	02.4	56.57	26	02.4	A2	CZ	19565	P -47 9755
39	10.5E	9.6*	44 3.387	0.0002	12	-41 12 31.25	0.007	12	0.65	3.377	28	00.4	31.62	26	00.4	F0	CZ	19568	P -41 9701
40	11.0E	9.5*	44 35.069	-0.0004	12	-44 19 51.47	0.025	12	0.64	35.089	31	02.6	52.66	28	02.6	G0	CZ	19571	P -4410097
41	9.2E	8.5M	44 39.394	0.0032	12	-49 49 19.63	-0.017	12	0.63	38.246	31	03.3	18.84	28	03.3	F5	CZ	19570	P -5011607
42	9.7E	8.0Z	44 42.426	0.0007	12	-45 3 25.62	0.014	12	0.70	42.395	45	04.6	26.26	45	04.6	K2	CZ	19572	P -4510204
43	8.4E	7.8Z	44 44.380	0.0057	12	-45 13 36.63	-0.045	12	0.64	44.112	31	02.6	34.50	28	02.6	A2	CZ	19573	P -4510205
44		8.7T	44 54.636	0.0120	11	-40 29 1.03	-0.346	10	0.47	54.138	15	08.5	46.20	15	07.2	K0	GC	30511	C -4014498
45		8.7T	45 0.469	0.0039	13	-47 30 55.82	-0.023	22	0.86	0.283	24	02.8	54.82	24	05.9		GC	30514K	C -4713929
46		5.7M	45 1.193	0.0162	03	-47 31 55.86	-0.295	03	0.14	0.618	07	14.6	45.80	06	15.9	G5	F4	1573	C -4713928
47	9.8E	9.0Z	45 9.426	-0.0092	12	-49 4 48.17	-0.055	12	0.65	9.840	36	04.9	45.71	36	04.9	G0	CZ	19577D	P*-4911495
48		7.0T	45 20.382	-0.0016	13	-48 0 30.30	0.005	09	0.61	20.459	17	00.3	30.60	18	84.8	A5	GC	30520	C -4814013
49		8.8T	45 48.716	0.0006	15	-47 7 4.58	-0.027	13	0.71	48.687	24	03.6	3.29	24	01.5	M0	GC	30524	C -4713934
50	11.0E	9.6*	45 51.464	0.0021	12	-41 24 39.81	0.002	12	0.65	51.359	28	00.3	39.90	26	00.3	G5	CZ	19582	P -41 9704
51	10.3E	9.0Z	21 46 5.280	0.0018	12	-41 51 16.11	-0.013	12	0.65	5.189	28	00.1	15.45	26	00.1	K0	CZ	19585	P -42 9333
52	9.0E	9.0Z	46 10.715	-0.0093	12	-48 12 21.36	-0.352	12	0.70	11.138	45	04.6	5.36	45	04.6	G0	CZ	19584	P -4810652
53	8.9E	8.5Z	46 11.073	0.0043	12	-49 21 6.21	-0.006	12	0.63	10.872	31	03.3	5.94	28	03.3	F2	CZ	19583	P -4911503
54		7.1T	46 32.876	0.0022	09	-46 50 38.78	-0.034	08	0.52	32.751	18	93.8	36.66	15	88.6	K0	GC	30540	C -4713941
55	10.5E	8.5Z	46 39.169	0.0023	12	-46 13 30.05	-0.007	12	0.71	39.061	45	03.7	29.73	45	03.7	K0	CZ	19587	P -4610297
56	10.7E	9.5Z	46 42.753	0.0087	12	-46 50 30.80	-0.078	12	0.70	42.356	45	04.1	27.23	45	04.1		CZ	19588	P -47 9767
57	10.4E	9.1*	46 45.345	0.0018	12	-44 10 48.82	0.009	12	0.64	45.261	31	02.6	49.24	28	02.6	F2	CZ	19591	P -4410113
58		6.6T	46 48.094	0.0014	11	-47 57 31.42	0.003	08	0.58	48.016	21	95.7	31.62	18	89.3	K0	GC	30544	C -4814024
59	10.2E	9.8*	46 51.097	0.0006	12	-48 35 46.85	-0.002	12	0.64	51.069	31	02.9	46.77	28	02.9	F0	CZ	19590	P -4810656
60	9.6E	8.1*	46 56.749	0.0013	12	-42 55 12.94	0.004	12	0.65	56.683	28	00.8	13.14	26	00.8	K0	CZ	19592	P -43 9531
61	8.4E	8.0Z	46 59.221	0.0019	12	-43 39 51.96	-0.020	12	0.65	59.128	28	00.7	50.98	26	00.7	A3	CZ	19594	P -4410114
62	10.4E	9.5Z	47 9.081	0.0035	12	-46 1 13.82	-0.015	12	0.71	8.919	45	03.7	14.52	45	03.7	F8	CZ	19595	P -4610300
63	10.1E	9.1Z	47 26.653	0.0010	12	-45 0 24.68	-0.006	12	0.83	26.606	63	01.8	24.41	57	01.8	F0	CZ	19598	P -40 9604
64	9.4E	9.0*	47 29.684	0.0007	12	-45 2 22.05	-0.002	12	0.63	29.652	28	02.6	21.96	26	02.6	A0	CZ	19596	P -4510219
65	9.8E	9.0Z	47 31.982	0.0008	12	-46 0 25.18	-0.002	12	0.63	31.942	28	02.2	25.09	26	02.2	K0	CZ	19597	P -4610301
66	10.2E	9.0Z	47 51.611	-0.0093	12	-41 5 58.60	-0.055	12	0.64	52.071	26	00.6	55.90	24	00.6	G0	CZ	19599	P -41 9710
67	9.9E	8.5*	48 15.126	0.0017	12	-42 7 28.07	0.001	12	0.64	15.042	26	00.6	28.11	24	00.6	K0	CZ	19601	P -42 9338
68	8.9E	8.0Z	48 24.395	0.0036	12	-48 3 14.61	-0.009	12	0.62	24.228	28	03.3	14.19	26	03.3	A0	CZ	19602	P -4810660
69	9.7E	9.5Z	48 24.842	0.0011	12	-40 16 46.20	0.003	12	0.66	24.788	28	99.7	46.37	26	99.7	A2	CZ	19603	P -40 9610
70	9.4E	8.0Z	48 33.867	0.0024	12	-41 54 26.35	-0.000	12	0.73	33.750	45	01.7	26.35	45	01.7	K0	CZ	19604	P -42 9340
71	9.3E		48 46.938	-0.0016	12	-42 36 28.98	-0.029	12	0.73	47.013	45	01.7	27.59	45	01.7	F5	CZ	19605V	P -42 9342
72	9.7E	8.5Z	48 51.028	0.0009	12	-43 17 45.55	0.051	12	0.72	50.986	45	02.7	47.96	45	02.7	F5	CZ	19606	P -43 9539
73		7.5Q	48 59.396	0.0032	18	-43 12 53.83	0.006	13	0.80	59.243	18	02.9	54.12	21	99.1	K2	GC	30591	C -4314754
74		7.7T	49 13.596	0.0009	11	-49 49 19.18	0.015	08	0.42	13.559	15	09.9	19.82	15	06.5	F0	GC	30596	C -5013504
75		6.9T	49 16.109	0.0014	17	-41 38 51.47	-0.006	13	0.79	16.039	15	00.6	51.17	17	98.1	K0	GC	30598	C*-4114669
76	11.3E	9.7*	49 20.650	-0.0011	12	-47 25 16.19	0.009	12	0.64	20.705	31	02.2	16.62	28	02.2		CZ	19609	P -47 9778
77	8.2E	8.2Z	49 27.063	-0.0009	12	-40 48 28.01	-0.032	12	0.73	27.126	45	01.8	26.49	45	01.8	G0	CZ	19611	P -41 9718
78	8.9E	9.0Z	49 30.872	0.0014	12	-41 57 9.52	-0.029	12	0.65	30.802	28	00.3	8.08	26	00.3	F5	CZ	19612	P -42 9344
79	8.8E	8.0Z	49 34.228	0.0018	12	-43 4 51.10	-0.028	12	0.65	34.137	28	00.8	49.72	26	00.8	F0	CZ	19613	P -43 9541
80	10.1E	8.2Z	49 38.578	0.0053	12	-45 33 44.57	0.001	12	0.64	38.324	31	02.2	44.62	28	02.2	K0	CZ	19614	P -4510225
81	9.6E	9.0Z	49 42.215	0.0090	12	-47 58 13.86	-0.006	12	0.70	41.807	45	04.6	13.58	45	04.6	F2	CZ	19615	P -4810663
82	10.9E	9.4*	49 44.291	0.0012	12	-46 15 17.57	0.011	12	0.65	44.232	31	01.7	18.10	28	01.7	K0	CZ	19616	P -4610309
83	10.4E	9.7M	49 45.590	0.0106	12	-44 32 53.71	-0.044	12	0.64	45.088	31	02.6	51.63	28	02.6	F8	CZ	19617	P -4410120
84	10.7E	9.5Z	49 48.908	-0.0017	12	-45 21 56.69	-0.024	12	0.71	48.985	45	04.0	55.58	45	04.0	G0	CZ	19618	P -4510227
85	9.4E	9.0Z	49 50.991	0.0005	12	-41 6 27.33	-0.016	12	0.65	50.966	28	00.3	26.56	26	00.3	F8	CZ	19619	P -41 9721
86		8.4T	49 57.534	0.0006	18	-42 25 37.63	-0.019	18	0.89	57.505	19	02.8	36.74	18	02.1	K0	GC	30614	C -4215670
87		7.3T	50 7.380	-0.0067	13	-47 4 8.86	-0.034	11	0.69	7.741	15	95.9	6.95	14	93.0	F8	GC	30619	C -4713963
88	9.4E	8.5Z	50 28.415	0.0130	12	-49 24 32.97	-0.046	12	0.63	27.806	31	03.2	30.83	28	03.2	G5	CZ	19623	P -4911515
89	10.6E	8.5Z	50 37.261	-0.0005	12	-43 28 20.04	-0.010	12	0.65	37.286	28	00.9	19.55	26	00.9	K2	CZ	19624	P -43 9545
90	10.4E	9.0Z	50 48.913	-0.0014	12	-47 15 24.80	-0.027	12	0.70	48.979	45	04.1	23.57	45	04.1	K0	CZ	19626	P -47 9785
91	11.3E	9.8*	50 50.053	0.0061	12	-48 59 25.16	-0.063	12	0.63	49.768	31	03.3	22.24	28	03.3		CZ	19625	P -4911516
92	9.8E	9.0Z	51 4.586	0.0042	12	-44 2 20.02	-0.028	12	0.64	4.388	31	02.5	18.69	28	02.5	F8	CZ	19627	P -4410125
93	10.1E	8.5Z	51 13.586	0.0009	12	-40 10 45.22	-0.015	12	0.66	13.542	28	99.5	44.48	26	99.5	K2	CZ	19628	P -40 9617
94	10.1E	8.5Z	51 16.058	0.0004	12	-40 10 27.10	0.020	12	0.83	16.040	63	01.8	28.08	57	01.8	K0	CZ	19631	P -40 9618
95	9.7E	7.8Z	51 17.435	0.0003	12	-41 30 9.10	-0.019	12	0.65	17.419	28	00.4	8.15	26	00.4	MA	CZ	19630	P -41 9724
96	10.6E	9.2Z	51 21.041	0.0057	12	-44 24 7.59	0.001	12	0.70	20.783	45	04.6	7.64	45	04.6	K0	CZ	19629	P -4410128
97	10.4E	9.2Z	51 26.653	0.0070	12	-45 2 46.94	-0.021	12	0.64	26.321	31	02.2	45.94	28	02.2	F8	CZ	19632	P -4510232
98	10.5E	9.5Z	51 32.151	0.0035	12	-43 52 37.35	-0.010	12	0.70	31.993	45	04.6	36.89	45	04.6	F5	CZ	19633	P -4410129
99	9.1E	8.3Z	52 26.388	0.0010	12	-41 55 44.06	-0.012	12	0.65	26.337	28	00.2	43.46	26	00.2	G5	CZ	19634	P -42 9352
00	9.3E	9.5Z	52 28.131	0.0011	12	-41 35 46.04	0.001	12	0.73	28.077	45	01.8	46.08	45	01.8	F5	CZ	19636	P -41 9728

230900

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.7E	9.0Z	21 52 35.960	-0.0001	12	-49 13 38.64	0.009	12	0.63	35.964	31	03.6	39.08	28	03.6	GO	CZ	19635	P -4911517
2		7.5T	52 40.197	-0.0003	10	-45 29 6.28	-0.015	09	0.43	40.207	14	07.5	5.64	15	05.7	KO	GC	30676	C -4514506
3		6.7T	52 44.789	-0.0118	17	-47 9 51.91	-0.039	15	0.77	45.354	19	02.0	49.89	18	98.8	F5	GC	30680	C -4713978
4	9.7E	8.5Z	52 56.376	-0.0019	12	-42 48 13.69	-0.007	12	0.63	56.467	26	01.2	13.36	24	01.2	G5	CZ	19640	P -43 9552
5	10.6E	9.9*	53 9.435	0.0034	12	-48 47 45.82	-0.008	12	0.63	9.278	31	03.6	45.47	28	03.6	A0	CZ	19641	P -4911518
6		7.5T	53 37.085	0.0075	13	-46 43 2.87	-0.038	12	0.69	36.690	15	97.6	0.81	14	95.0	F0	GC	30700	C -4713982
7	9.7E	8.8*	53 41.243	0.0048	12	-48 16 34.55	-0.017	12	0.63	41.021	31	03.2	33.73	28	03.2	K2	CZ	19644	P -4810671
8	10.4E	8.7H	53 48.035	0.0029	12	-44 33 3.50	0.017	12	0.64	47.898	31	02.6	4.32	28	02.6	K0	CZ	19649	P -4410138
9		7.6T	53 53.469	0.0046	17	-49 55 58.13	-0.225	13	0.77	53.249	19	02.4	46.67	18	99.2	G0	GC	30703	C -5013533
10	10.7E	9.5*	54 7.951	0.0021	12	-45 39 22.93	-0.060	12	0.64	7.849	31	02.2	20.07	28	02.2	G5	CZ	19650	P -4610321
11	9.6E	8.0Z	54 13.924	-0.0036	12	-47 5 25.56	0.011	12	0.70	14.091	45	04.1	26.06	45	04.1	F5	CZ	19651	P -47 9797
12	10.2E	9.5Z	54 19.098	0.0051	12	-42 55 11.46	-0.021	12	0.72	18.855	45	02.7	10.47	45	02.7		CZ	19653	P -43 9555
13	9.7E	8.7*	54 19.902	0.0016	12	-46 7 22.89	-0.045	12	0.65	19.824	31	01.7	20.72	28	01.7	F2	CZ	19652	P -4610324
14	9.5E	8.5Z	54 30.030	0.0036	12	-49 5 0.73	-0.002	12	0.69	29.870	45	05.6	0.65	45	05.6	K0	CZ	19654	P -4911521
15		9.1T	54 39.619	0.0022	14	-47 47 10.09	-0.023	13	0.70	39.510	19	01.4	8.97	19	00.4	A0	GC	30721	C -4814069
16	9.3E	8.5Z	54 53.405	-0.0019	12	-43 4 53.39	-0.013	12	0.65	53.497	28	00.7	52.75	26	00.7	F8	CZ	19656	P -43 9558
17	10.5E	9.3*	55 10.123	-0.0039	12	-41 13 35.49	-0.014	12	0.65	10.316	28	00.4	34.81	26	00.4	G5	CZ	19657	P -41 9731
18	8.9E	8.0Z	55 10.694	0.0031	12	-40 23 56.72	0.003	12	0.66	10.538	28	99.5	56.89	26	99.5	K0	CZ	19658	P -40 9626
19	9.2E	8.0Z	55 21.118	0.0025	12	-44 59 42.67	-0.009	12	0.64	20.998	31	02.2	42.24	28	02.2	F0	CZ	19659	P -4510244
20		6.6T	55 25.628	-0.0055	17	-41 57 36.83	-0.007	13	0.78	25.895	18	01.4	36.49	17	98.6	K5	GC	30734	C -4215711
21		6.6T	55 27.846	-0.0002	15	-44 18 5.93	-0.073	12	0.72	27.858	19	00.5	2.04	18	96.5	K0	GC	30735	C -4414717
22		8.1T	55 28.876	0.0047	16	-45 58 58.26	0.022	12	0.74	28.645	17	00.9	59.47	18	97.3	A2	GC	30736	C -4614144
23	10.2E	8.8Z	55 47.291	0.0015	12	-47 22 49.43	-0.026	12	0.70	47.224	45	04.1	48.24	45	04.1	K5	CZ	19663	P -47 9803
24		7.8T	56 11.323	0.0078	12	-46 34 58.93	-0.015	11	0.65	10.893	12	94.9	58.07	12	91.2	K2	GC	30751	C -4614147
25	9.7E	8.5Z	56 14.288	0.0021	12	-42 16 55.80	-0.003	12	0.65	14.181	28	00.1	55.66	26	00.1	G0	CZ	19666	P -42 9366
26	9.4E	8.0Z	56 18.767	0.0020	12	-43 2 59.48	-0.004	12	0.72	18.670	45	02.7	59.30	45	02.7	K2	CZ	19667	P -43 9561
27		8.1T	56 44.827	0.0076	16	-43 43 8.02	-0.080	12	0.74	44.453	17	00.5	3.88	17	98.0	F8	GC	30765	C -4414727
28	8.9E	8.2Z	56 55.335	0.0046	12	-40 46 45.66	0.017	12	0.63	55.107	24	00.3	46.52	20	00.3	K0	CZ	19674	P -41 9733
29	9.5E	8.0Z	56 56.467	-0.0001	12	-47 53 49.11	0.007	12	0.70	56.473	45	05.1	49.42	45	05.1	MA	CZ	19670	P -4810677
30	9.8E	9.2Z	56 59.377	0.0046	12	-46 29 39.76	0.017	12	0.71	59.160	45	03.1	40.56	45	03.1	F2	CZ	19672	P -4610330
31	10.3E	9.1Z	57 2.015	-0.0004	12	-42 27 19.98	-0.032	12	0.73	2.032	45	01.7	18.44	45	01.7	K2	CZ	19675	P -42 9369
32	10.0E	9.3*	57 3.808	-0.0002	12	-49 4 54.57	-0.002	12	0.63	3.817	31	03.6	54.49	28	03.6	A5	CZ	19673	P -4911526
33	10.1E	9.2*	57 11.755	-0.0078	12	-47 11 50.09	-0.153	12	0.64	12.129	31	02.2	42.79	28	02.2	G0	CZ	19677	P -47 9808
34	8.9E	8.5Z	57 14.616	0.0004	12	-48 2 17.77	-0.007	12	0.61	14.599	28	03.8	17.44	26	03.8	A0	CZ	19678	P -4810678
35	10.4E	9.4*	57 20.003	0.0017	12	-49 34 17.78	-0.004	12	0.61	19.927	28	03.9	17.61	26	03.9	F5	CZ	19679	P -4911527
36		7.4T	57 27.220	0.0036	14	-42 41 32.76	-0.018	12	0.71	27.037	15	99.6	31.78	17	96.9	+++	GC	30776	C*-4314835
37	9.7E	8.5Z	57 44.786	0.0055	12	-47 27 13.39	-0.035	12	0.65	44.539	36	04.6	11.80	36	04.6	K0	CZ	19683	P -47 9810
38	8.4E	7.5Z	57 54.953	-0.0008	12	-47 41 45.60	-0.036	12	0.61	54.991	26	03.1	43.92	24	03.1	K0	CZ	19684	P -4810680
39	10.0E	9.0Z	58 6.115	-0.0055	12	-41 32 51.22	-0.001	12	0.64	6.385	26	00.6	51.16	24	00.6	F8	CZ	19687	P -41 9735
40	10.2E	9.1*	58 9.806	0.0018	12	-48 27 7.49	-0.009	12	0.61	9.725	28	03.8	7.10	26	03.8	K0	CZ	19685	P -4810681
41	9.1E	8.7Z	58 11.618	0.0007	12	-48 6 24.57	0.003	12	0.65	11.587	36	05.2	24.70	36	05.2	F5	CZ	19686	P -4810682
42	10.5E	9.5Z	58 13.543	0.0025	12	-46 13 41.05	-0.059	12	0.63	13.423	28	02.3	38.25	26	02.3	G0	CZ	19688	P -4610336
43	11.0E	9.3*	58 15.434	-0.0009	12	-45 38 26.54	-0.004	12	0.62	15.475	28	02.8	26.36	26	02.8		CZ	19689	P -4610337
44	10.5E	9.3H	58 19.742	-0.0043	12	-44 30 44.90	-0.003	12	0.63	19.946	28	02.7	44.77	26	02.7	K0	CZ	19690	P -4410157
45	8.9E	8.5Z	58 26.035	0.0005	12	-47 47 49.15	-0.029	12	0.65	26.014	36	05.2	47.85	36	05.2	A3	CZ	19691	P -4810683
46	9.5E	9.0Z	58 29.841	0.0029	12	-42 18 43.82	-0.008	12	0.68	29.699	36	01.7	43.45	36	01.7	G0	CZ	19692	P -42 9371
47	10.9E	9.0Z	58 44.367	0.0026	12	-46 37 37.61	-0.065	12	0.63	44.242	28	02.4	34.52	26	02.4	K0	CZ	19693	P -4610339
48	9.5E	9.2Z	58 44.770	0.0028	12	-41 37 56.96	-0.009	12	0.73	44.635	45	01.7	56.52	45	01.7	F0	CZ	19694	P -41 9737
49	11.0E	9.0Z	59 3.570	-0.0007	12	-40 23 45.22	0.007	12	0.66	3.606	28	99.7	45.60	26	99.7		CZ	19697	P -40 9640
50	9.5E	8.0Z	59 10.096	0.0019	12	-47 23 14.45	-0.023	12	0.70	10.012	45	04.6	13.40	45	04.6	K2	CZ	19695	P -47 9814
51	10.3E	9.1Z	21 59 12.492	-0.0003	12	-48 18 11.14	0.002	12	0.69	12.508	45	05.6	11.25	45	05.6	K2	CZ	19696	P -4810688
52	10.4E	9.3Z	59 16.818	0.0025	12	-46 16 43.48	-0.002	12	0.70	16.702	45	04.2	43.40	45	04.2	A2	CZ	19699	P -4610343
53	9.2E	8.5Z	59 21.298	0.0054	12	-47 55 5.35	-0.064	12	0.69	21.059	45	05.6	2.50	45	05.6	F8	CZ	19700	P -4810689
54	9.3E	8.0Z	59 24.017	0.0022	12	-42 19 33.13	-0.008	12	0.65	23.906	28	00.4	32.74	26	00.4	K0	CZ	19701	P -42 9374
55	10.5E	9.6H	59 33.813	0.0063	12	-44 37 57.35	0.006	12	0.64	33.513	31	02.2	57.63	28	02.2	F5	CZ	19702	P -4410158
56	10.4E	9.0Z	59 41.572	0.0037	12	-45 31 54.53	0.007	12	0.69	41.405	45	05.1	54.84	45	05.1	F0	CZ	19703	P -4510257
57	9.9E	8.0Z	59 59.291	0.0001	12	-45 57 52.50	0.015	12	0.70	59.286	45	04.2	53.20	45	04.2	K2	CZ	19707	P -4610346
58	9.9E	8.0Z	22 0 1.097	0.0008	12	-47 20 11.11	-0.002	12	0.64	1.061	31	02.6	11.01	28	02.6	K2	CZ	19708	P -47 9817
59	9.6E	8.5Z	0 2.362	0.0041	12	-43 28 26.80	-0.019	12	0.65	2.161	28	00.7	25.86	26	00.7	K0	CZ	19710	P -43 9574
60		8.1T	0 4.157	0.0009	15	-48 30 43.12	-0.069	13	0.70	4.116	19	02.5	39.74	19	01.1	F8	GC	30829	C -4814101
61		7.4T	0 25.969	0.0010	08	-46 22 10.01	-0.043	07	0.39	25.920	12	01.0	7.81	12	98.2	K2	GC	30841	C -4614179
62	9.8E	9.0Z	0 37.383	-0.0000	12	-44 17 33.30	-0.012	12	0.64	37.384	31	02.2	33.88	28	02.2	A5	CZ	19712	P -4410161
63	10.1E	9.0Z	1 1.521	0.0062	12	-47 47 57.98	-0.013	12	0.69	1.158	45	05.6	57.40	45	05.6	F2	CZ	19713	P -4810694
64	10.5E	9.3Z	1 12.460	0.0029	12	-43 39 48.06	-0.031	12	0.72	12.323	45	02.2	46.58	45	02.2	G0	CZ	19714	P -4410163
65	9.2E	8.5Z	1 14.845	0.0056	12	-42 58 2.19	-0.037	12	0.65	14.568	28	00.7	0.37	26	00.7	A3	CZ	19715	P -43 9578
66	10.7E	9.5*	1 19.775	0.0009	12	-42 42 44.61	-0.025	12	0.65	19.729	28	00.2	43.38	26	00.2	F2	CZ	19716	P -43 9579
67	9.7E	8.5Z	1 38.460	0.0026	12	-45 43 56.97	-0.074	12	0.69	38.342	45	05.1	53.65	45	05.1	F8	CZ	19717	P -4610354
68	9.0E	8.0Z	1 41.333	-0.0004	12	-45 59 58.00	-0.003	12	0.64	41.351	31	02.3	57.86	28	02.3	K2	CZ	19719	P -4610355
69	10.3E	9.7Z	1 43.505	0.0066	12	-48 25 49.94	0.003	12	0.69	43.213	45	05.6	50.10	45	05.6		CZ	19718	P -4810696
70	10.8E	8.5Z	2 0.445	0.0038	12	-41 7.36.74	-0.013	12	0.65	0.256	28	00.2	36.11	26	00.2	G5	CZ	19721	P -41 9741
71	9.3E	8.0Z	2 8.446	0.0017	12	-41 48 22.89	0.001	12	0.73	8.363	45	01.7	22.93	45	01.7	K2	CZ	19724	P -42 9378
72		8.0T	2 15.360	0.0039	10	-48 57 41.57	-0.025	10	0.55	15.150	18	95.6	40.21	17	96.2	A3	GC	30873	C -4913717
73	10.7E	9.5Z	2 21.365	0.0020	12	-41 56 25.23	0.005	12	0.65	21.265	28	00.3	25.47	26	00.3	F8	CZ	19725	P -42 9379
74	9.0E	9.0Z	2 54.864	0.0117	12	-48 10 46.26	0.031	12	0.63	54.322	31	03.6	47.70	28	03.6	F5	CZ	19727	P -4810700
75		8.0T	2 55.272	0.0047	17	-49 55 46.06	-0.002	13	0.77	55.046	17	02.0	45.94	18	99.2	F5	GC	30889	C*-5013582
76	8.8E	7.7H	2 57.508	0.0018	12	-44 46 52.36	0.013	12	0.62	57.423	28	03.1	52.97	26	03.1	F0	CZ	19728	P -4510261
77		7.0T	2 58.892	0.0080	10	-44 12 34.37	-0.023	08	0.42	58.550	14	07.1	33.35	15	04.9	K0	GC	30891	C -4414763
78	10.2E	9.0Z	3 3.682	0.0002	12	-40 29 10.88	-0.002	12	0.65	3.674	28	00.2	10.80	26	00.2	G5	CZ	19732	P -40 9650
79	9.7E	8.9*	3 9.228	0.0005	12	-46 52 2.26	-0.027	12	0.62	9.205	28	02.9	0.99	26	02.9	F8	CZ	19730	P -47 9828
80	9.0E	9.0Z	3 10.998	0.0001	12	-41 33 14.66	-0.004	12	0.68	10.994	36	01.8	14.46	36	01.8	A2	CZ	19734	P -41 9745
81	9.4E	8.0Z	3 12.448	0.0034	12	-48 43 39.96	0.013	12	0.60	12.290	26	03.8	40.57	24	03.8	K0	CZ	19731	P -4911539
82	9.2E	8.5Z	3 20.854	0.0051	12	-43 13 6.64	0.044	12	0.63	20.605	26	01.2	8.80	24	01.2	F8	CZ	19735	P -43 9582
83		8.6T	3 37.905	0.0357	17	-45 38 0.21	-0.289	15	0.79	36.209	19	02.5	46.28	19	01.7	K0	GC	30910	C -4514576
84	9.8E	9.2Z	3 38.642	0.0036	12	-41 46 37.53	-0.022	12	0.72	38.471	45	02.3	36.47	45	02.3	F8	CZ	19737	P -42 9382
85	8.9E	7.8Z	3 58.924	0.0037	12	-41 22 38.90	-0.005	12	0.65	58.741	28	00.3	38.64	26	00.3	G5	CZ	19740	P -41 9746
86	9.4E	9.0Z	4 3.658	-0.0055	12	-48 5 48.25	-0.046	12	0.70	3.904	45	05.1	46.19	45	05.1	G0	CZ	19738	P -4810703
87	10.0E	8.5Z	4 4.760	0.0002	12	-42 44 46.20	0.004	12	0.65	4.750	28	00.6	46.41	26	00.6	K2	CZ	19741	P -43 9583
88	9.7E	9.5Z	4 14.672	0.0051	12	-48 6 12.19	-0.002	12	0.70	14.643	45	05.1	12.10	45	05.1	A0	CZ	19742	P -4810705
89	10.7E	8.5Z	4 48.382	-0.0009	12	-46 17 24.50	-0.008	12	0.64	48.426	31	02.3	24.13	28	02.3	K0	CZ	19744	P -4610360
90	10.0E	9.3*	4 49.764	-0.0005	12	-47 39 0.94	-0.021	12	0.64	49.787	31	02.6	59.94	28	02.6	G0	CZ	19743	P -4810707
91	9.2E	8.4Z	4 56.282	0.0022	12	-48 59 16.69	0.001	12	0.70	56.180	45	04.6	16.75	45	04.6	K0	CZ	19745	P -4911545
92		2.2H	5 5.486	0.0128	02	-47 12 14.54	-0.149	02	0.10	4.885	05	03.1	7.75	05	04.3	B5	F4	829	C -4714063
93	9.9E	9.2Z	5 14.273	-0.0005	12	-47 45 43.76	-0.007	12	0.70	14.295	45	05.1	43.47	45	05.1	K0	CZ	19749	P -4810712
94	10.1E	9.3Z	5 17.205	-0.0001	12	-48 56 7.81	-0.016	12	0.70	17.208	45	05.1	7.10	45	05.1	G0	CZ	19750	P -4911547
95	10.6E	9.0Z	5 17.792	0.0026	12	-44 58 9.20	0.014	12	0.70	17.675	45	04.2	9.84	45	04.2		CZ	19751	P -4510263
96	10.3E	8.5Z	5 20.568	0.0038	12	-44 18 9.70	0.028	12	0.65	20.383	31	01.8	11.06	28	01.8	F8	CZ	19753	P -4410177
97	9.2E	8.2Z	5 21.117	0.0075	12	-44 58 13.34	0.002	12	0.64	20.762	31	02.4	13.44	28	02.4	F5	CZ	19752	P -4510264
98	9.6E	8.5Z	5 28.439	0.0115	12	-44 49 54.25	-0.006	12	0.70	27.915	45	04.2	53.98	45	04.2	F8	CZ	19754	P -4510265
99		7.1T	5 35.982	0.0017	17	-43 17 10.54	-0.064	13	0.78	35.896	17	00.8	7.21	17	98.3	K2	GC	30959	C -4314906
00	10.9E	9.7*	6 22.095	0.0024	12	-49 37 23.49	0.001	12	0.63	21.943	31	03.0	23.54	28	03.0		CZ	19756	P -4911550

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 22H DM NUMBER
1		7.7T	22 6 32.679	0.0174	22	-41 28 10.28	-0.063	20	1.01	31.863	19	03.1	7.74	18	02.2	G0	GC	30943	C -4114775
2	10.3E	9.5Z	6 33.024	0.0012	12	-45 53 59.91	-0.020	12	0.70	32.971	45	04.2	59.00	45	04.2	F5	CZ	19757	P -4610361
3	9.8E	9.0Z	6 34.660	0.0023	12	-41 13 51.67	-0.010	12	0.73	34.550	45	01.7	51.20	45	01.7	F8	CZ	19760	P -41 9750
4	9.5E	9.0Z	6 36.682	0.0025	12	-48 35 23.09	-0.027	12	0.70	36.568	45	05.1	21.89	45	05.1	F2	CZ	19758	P -4810714
5		6.4T	6 48.778	0.0078	07	-48 21 9.46	-0.042	06	0.32	48.442	10	07.2	7.57	10	04.5	K2	GC	30990	C -4814143
6	10.4E	9.2Z	6 53.417	0.0030	12	-46 7 39.10	-0.019	12	0.64	53.275	31	02.3	38.20	28	02.3	F8	CZ	19762	P -4610362
7	10.8E	9.4*	6 56.241	-0.0029	12	-42 1 20.84	-0.034	12	0.65	56.385	28	00.7	19.16	26	00.7	F5	CZ	19765	P -42 9391
8	9.5E	9.0Z	6 58.280	0.0050	12	-48 36 46.96	-0.043	12	0.70	58.054	45	05.1	45.04	45	05.1	F5	CZ	19763	P -4810716
9	9.4E	9.0Z	7 1.862	0.0001	12	-47 49 31.86	-0.013	12	0.70	1.857	45	05.1	31.28	45	05.1	A3	CZ	19764	P -4810717
10		9.7T	7 25.520	-0.0055	14	-49 18 46.29	-0.010	12	0.68	25.783	24	02.5	45.77	22	98.8	K0	GC	31067	C -4913747
11		8.9T	7 39.072	-0.0000	14	-49 8 14.27	-0.036	12	0.69	39.074	19	01.4	12.46	19	00.0	F8	GC	31012	C -4913750
12	9.9E	9.0Z	7 45.162	0.0042	12	-40 29 55.98	0.007	12	0.83	44.962	63	01.8	56.33	57	01.8	K0	CZ	19768	P -40 9659
13	10.0E	9.3*	7 53.533	-0.0001	12	-47 41 5.37	0.013	12	0.62	53.538	28	03.3	5.97	26	03.3	A3	CZ	19769	P -4810719
14	9.8E	9.4Z	7 58.111	0.0015	12	-48 56 20.66	-0.005	12	0.70	58.042	45	04.6	20.45	45	04.6	F5	CZ	19770	P -4911555
15	10.8E	8.5Z	7 59.757	0.0001	12	-43 42 17.39	-0.007	12	0.63	59.750	26	01.3	17.05	24	01.3	G5	CZ	19772	P -4410182
16	9.9E	9.3*	8 0.325	0.0001	12	-42 22 4.84	0.003	12	0.63	0.320	26	01.0	4.99	24	01.0	A0	CZ	19773	P -42 9393
17	10.3E	9.4Z	8 2.746	0.0011	12	-48 15 21.21	-0.007	12	0.65	2.697	36	05.2	20.88	36	05.2		CZ	19771	P -4810720
18	8.5E	7.8Z	8 3.132	-0.0043	12	-40 31 37.55	-0.039	12	0.83	3.340	63	01.8	35.69	57	01.8	K0	CZ	19775	P -40 9660
19		6.7T	8 23.431	0.0055	16	-44 5 23.39	0.016	13	0.75	23.162	17	00.8	24.24	18	98.3	G5	GC	31031	C -4411450
20	8.5E	7.8Z	8 35.880	0.0117	12	-44 59 40.32	-0.094	12	0.62	35.335	28	03.2	35.93	26	03.2	F5	CZ	19778	P -4510268
21	9.5E	9.0Z	8 44.654	0.0008	12	-42 14 25.10	0.019	12	0.72	44.617	45	02.3	26.00	45	02.3	F5	CZ	19779	P -42 9394
22	10.7E	9.5Z	8 51.872	0.0128	12	-45 27 4.94	0.022	12	0.64	51.268	31	02.7	5.98	28	02.7		CZ	19781	P -4510269
23	10.1E	8.0Z	8 54.035	0.0008	12	-48 24 52.94	-0.014	12	0.61	53.998	28	03.8	52.31	26	03.8	K2	CZ	19780	P -4810721
24	10.6E	8.0Z	8 59.475	0.0008	12	-43 22 54.77	-0.002	12	0.72	59.435	45	02.8	54.68	45	02.8	MA	CZ	19783	P -43 9589
25	9.8E	9.0Z	9 4.679	0.0048	12	-49 57 26.52	-0.005	12	0.62	4.456	28	03.4	26.29	26	03.4	K0	CZ	19782	P -5011663
26	9.4E	9.0Z	9 17.757	0.0009	12	-48 32 35.80	-0.014	12	0.70	17.715	45	05.1	35.19	45	05.1	G0	CZ	19784	P -4810723
27	7.8E	8.0Z	9 26.903	0.0040	12	-49 0 36.07	-0.057	12	0.70	26.724	45	05.0	33.49	45	05.0	F5	CZ	19786	P -4911559
28		6.7T	9 30.128	0.0024	15	-40 26 59.07	-0.047	13	0.73	30.009	15	00.3	56.64	17	98.5	K0	GC	31054	C -4014687
29	9.5E	8.5Z	9 39.627	0.0021	12	-46 45 52.39	-0.014	12	0.70	39.532	45	04.6	51.76	45	04.6	F8	CZ	19788	P -47 9834
30	8.7E	8.5Z	9 42.830	0.0009	12	-42 46 52.21	-0.031	12	0.72	42.787	45	02.8	50.76	45	02.8	A2	CZ	19789	P -43 9590
31		7.6T	9 51.597	0.0036	12	-49 18 6.15	-0.002	10	0.60	51.411	18	97.9	6.03	18	94.6	G5	GC	31067K	C*-4913764
32	10.1E	9.0Z	10 1.889	0.0013	12	-41 59 31.36	-0.002	12	0.65	1.826	28	00.7	31.25	26	00.7	G0	CZ	19792	P -42 9398
33	10.0E	8.8Z	10 4.844	0.0048	12	-45 33 1.78	-0.005	12	0.70	4.628	45	04.8	1.56	45	04.8	A2	CZ	19791	P -4510271
34	11.4E	9.8*	10 9.543	0.0071	12	-47 28 48.30	-0.019	12	0.64	9.207	31	02.6	47.40	28	02.6		CZ	19793	P -47 9835
35	10.5E	8.8Z	10 9.557	-0.0003	12	-43 59 31.07	0.011	12	0.71	9.569	45	03.3	31.58	45	03.3	G5	CZ	19794	P -4410186
36	9.7E	8.5Z	10 15.174	0.0010	12	-43 9 4.73	-0.075	12	0.64	15.125	28	01.1	1.07	26	01.1	K2	CZ	19795	P -43 9591
37	9.5E	9.0Z	10 20.462	0.0018	12	-42 28 26.77	-0.021	12	0.72	20.376	45	02.3	25.78	45	02.3	A2	CZ	19796	P -42 9399
38	9.6E	8.6*	10 36.888	-0.0003	12	-41 23 3.29	-0.041	12	0.65	36.903	28	00.4	1.25	26	00.4	F8	CZ	19798	P -41 9757
39	9.0E	8.0Z	10 40.257	-0.0021	12	-46 59 29.31	-0.011	12	0.64	40.357	31	02.6	28.79	28	02.6	G0	CZ	19797	P -47 9836
40	8.8E	7.5Z	10 47.443	0.0017	12	-46 3 15.98	0.003	12	0.64	47.365	31	02.7	16.12	28	02.7	K0	CZ	19799	P -4610369
41	9.7E	8.0Z	10 48.129	0.0024	12	-46 9 33.93	-0.014	12	0.70	48.022	45	04.7	33.30	45	04.7	G5	CZ	19800	P -4610370
42	10.1E	9.2*	10 48.277	0.0155	12	-45 35 40.25	-0.037	12	0.64	47.547	31	02.8	38.51	28	02.8	F8	CZ	19801	P -4510272
43		8.8T	11 8.455	-0.0013	22	-44 57 38.02	-0.073	26	1.12	8.516	21	04.1	34.67	21	04.4	G0	GC	31091	C -4514632
44	8.5E	8.0Z	11 19.495	0.0036	12	-42 33 54.66	-0.113	12	0.72	19.323	45	02.3	49.28	45	02.3	F8	CZ	19803	P -42 9401
45		6.4T	11 35.717	0.0502	06	-41 37 9.70	-0.788	05	0.26	33.457	09	05.0	-32.28	09	02.5	G0	GC	31100	C*-4114604
46	10.2E	9.0Z	11 56.187	0.0020	12	-46 44 16.99	-0.005	12	0.64	56.092	31	02.7	17.23	28	02.7	A2	CZ	19806	P -47 9840
47	9.1E	8.0Z	12 5.756	0.0040	12	-46 46 42.65	-0.085	12	0.70	5.575	45	04.6	38.80	45	04.6	F2	CZ	19809	P -47 9841
48	9.2E	8.0Z	12 6.518	0.0007	12	-48 56 36.06	-0.013	12	0.63	6.484	31	03.2	35.47	28	03.2	G5	CZ	19808	P -4911569
49	9.4E	7.9*	12 8.089	0.0017	12	-44 27 0.78	-0.056	12	0.65	8.005	31	01.7	-58.09	28	01.7	F5	CZ	19810	P -4410191
50	10.2E	9.0Z	12 13.492	-0.0001	12	-47 1 38.22	0.007	12	0.65	13.497	36	04.3	38.54	36	04.3	K0	CZ	19811	P -47 9842
51	9.9E	9.3*	22 12 20.516	0.0020	12	-49 48 0.73	0.019	12	0.63	20.423	31	03.0	1.63	28	03.0	G0	CZ	19812	P -5011669
52		7.1T	12 27.617	0.0111	14	-43 53 2.34	-0.005	12	0.70	27.064	19	00.1	2.10	18	97.2	K0	GC	31122	C -4414827
53		6.2T	12 31.879	0.0011	14	-44 42 3.51	-0.015	11	0.68	31.826	15	99.7	2.72	15	95.5	K0	GC	31123	C -4514644
54	10.5E	9.0*	12 34.185	-0.0025	12	-43 13 33.50	-0.005	12	0.63	34.306	26	01.5	33.27	24	01.5	G5	CZ	19815	P -43 9593
55		4.9T	12 36.640	0.0045	04	-41 35 46.57	0.030	04	0.20	36.444	07	06.6	47.95	07	04.3	G0	GC	31125	C*-4114810
56	9.9E	8.5Z	12 45.298	0.0029	12	-46 3 53.27	-0.004	12	0.65	45.167	36	04.4	53.45	36	04.4	K5	CZ	19818	P -4610376
57	9.5E	8.8*	12 50.275	0.0032	12	-42 31 54.62	0.000	12	0.63	50.119	28	01.2	54.63	24	01.2	F0	CZ	19819	P -42 9405
58	9.5E	8.0*	12 55.240	-0.0006	12	-42 56 45.91	-0.034	12	0.63	55.269	26	01.5	44.27	24	01.5	K5	CZ	19820	P -43 9594
59	10.5E	9.5*	12 57.466	0.0103	12	-45 34 16.65	-0.001	12	0.65	56.957	28	00.4	16.62	26	00.4	G0	CZ	19822	P -40 9670
60	10.1E	9.5*	13 3.543	-0.0004	12	-48 15 33.98	-0.012	12	0.63	3.563	31	03.2	33.45	28	03.2	A2	CZ	19821	P -4810730
61	11.0E	9.5*	13 9.792	0.0028	12	-45 17 37.39	0.020	12	0.62	9.661	28	03.0	38.33	26	03.0		CZ	19824	P -4510278
62	10.4E	9.5H	13 16.238	0.0009	12	-49 38 39.49	0.010	12	0.63	16.197	31	03.2	39.96	28	03.2	G5	CZ	19825	P -5011671
63		5.2T	13 26.498	-0.0006	06	-41 52 36.94	-0.009	06	0.29	26.523	14	06.3	36.52	12	01.3	G5	GC	31138	C*-4215846
64	10.1E	9.5*	13 30.237	0.0008	12	-41 25 23.13	-0.022	12	0.65	30.198	28	00.3	22.03	26	00.3	G0	CZ	19828	P -41 9763
65	9.7E	8.0Z	13 31.179	0.0025	12	-43 59 14.78	-0.021	12	0.66	31.061	36	03.5	13.80	36	03.5	K2	CZ	19827	P -4410196
66	9.9E	9.0Z	13 36.429	0.0026	12	-40 30 40.04	0.003	12	0.83	36.305	63	01.8	40.21	57	01.8	K0	CZ	19829	P -40 9672
67	10.2E	8.5Z	13 49.428	-0.0011	12	-47 29 1.81	0.006	12	0.62	49.480	28	02.9	2.09	26	02.9	K0	CZ	19830	P -47 9844
68	9.1E	8.0Z	14 4.260	0.0008	12	-48 50 32.71	-0.031	12	0.70	4.223	45	05.0	31.34	45	05.0	K2	CZ	19831	P -4911575
69		8.4T	14 31.212	0.0208	26	-48 53 58.62	-0.123	26	1.16	30.282	21	05.2	53.10	21	05.2	K0	GC	31165	C -4913794
70	10.3E	8.5Z	14 52.287	0.0004	12	-46 35 10.74	0.016	12	0.70	52.269	45	04.7	11.47	45	04.7	K0	CZ	19835	P -4610380
71	9.9E	9.0Z	15 1.165	0.0003	12	-46 32 9.71	0.014	12	0.64	1.151	31	02.6	10.38	28	02.6	A	CZ	19837	P -4610381
72		8.8T	15 3.043	0.0059	26	-48 25 30.41	0.029	26	1.16	2.776	21	05.2	31.73	21	05.2	K0	GC	31160	C -4814176
73	11.6E	9.7*	15 25.071	0.0019	12	-49 20 30.92	0.004	12	0.63	24.981	31	03.3	31.11	28	03.3		CZ	19838	P -4911582
74		7.4T	15 36.408	0.0040	16	-46 23 16.01	-0.000	13	0.76	36.217	22	02.3	15.98	21	98.9	K0	GC	31194	C -4614270
75	8.5E	8.3Z	15 55.037	0.0036	12	-40 10 36.16	-0.016	12	0.66	54.857	28	99.5	35.37	26	99.5	A2	CZ	19844	P -40 9675
76	11.1E	9.3*	15 57.231	0.0019	12	-46 8 1.20	0.005	12	0.64	57.142	31	02.7	1.44	28	02.7		CZ	19842	P -4610386
77	10.2E	8.5Z	16 2.096	-0.0007	12	-48 17 8.87	-0.021	12	0.70	2.928	45	05.1	7.95	45	05.1	MA	CZ	19843	P -4810736
78	11.2E	9.5*	16 5.104	0.0009	12	-45 23 3.68	-0.011	12	0.64	5.063	31	02.7	3.17	28	02.7		CZ	19845	P -4510282
79	10.8E	9.5Z	16 10.115	-0.0069	12	-42 50 17.23	-0.008	12	0.64	10.452	28	01.1	16.85	26	01.1	G0	CZ	19846	P -43 9598
80	8.1E	8.0M	16 16.808	0.0032	12	-46 56 13.32	-0.002	12	0.64	16.657	31	02.6	13.23	28	02.6	A2	CZ	19847	P -47 9847
81	8.9E	8.0Z	16 23.602	-0.0002	12	-40 32 6.48	0.009	12	0.83	23.613	63	01.8	6.93	57	01.8	K5	CZ	19848	P -40 9676
82	10.2E	8.5Z	16 44.591	0.0074	12	-48 14 39.79	-0.002	12	0.63	44.244	31	03.2	39.70	28	03.2	K0	CZ	19849	P -4810737
83	9.8E	10.0Z	16 47.349	0.0100	12	-41 54 13.88	0.013	12	0.65	46.858	28	00.7	14.51	26	00.7	G0	CZ	19850	P -42 9417
84	10.0E	9.1H	17 7.824	0.0050	12	-44 36 56.75	-0.025	12	0.65	7.581	31	01.7	55.55	28	01.7	G0	CZ	19853	P -4410203
85	11.3E	9.9*	17 10.563	0.0001	12	-47 18 17.18	-0.041	12	0.64	10.559	31	02.7	15.23	28	02.7		CZ	19854	P -47 9848
86		7.7T	17 22.112	0.0007	11	-43 45 13.78	-0.055	09	0.45	22.083	14	07.8	11.41	15	06.6	K0	GC	31221	C -4414858
87	10.6E	9.0Z	17 33.914	-0.0005	12	-43 57 22.43	-0.020	12	0.67	33.935	36	03.1	21.49	36	03.1	K0	CZ	19857	P -4410205
88	10.9E	10.0*	17 43.977	-0.0016	12	-42 18 6.48	0.003	12	0.63	44.054	26	01.1	6.63	24	01.1		CZ	19859	P -42 9420
89	11.1E	9.6*	17 45.926	0.0149	12	-47 37 20.56	0.012	12	0.62	45.232	28	03.4	21.12	26	03.4		CZ	19858	P -4810741
90	9.0E	8.8Z	17 48.824	0.0010	12	-40 18 48.56	-0.008	12	0.83	48.777	63	01.8	48.19	57	01.8	A3	CZ	19860	P -40 9678
91	10.2E	9.0Z	17 56.301	0.0009	12	-43 0 2.66	0.008	12	0.67	56.258	36	02.8	3.05	36	02.8	G5	CZ	19861	P -43 9601
92	9.3E	9.0Z	17 56.545	0.0044	12	-41 40 56.00	0.020	12	0.63	56.330	26	01.0	56.98	24	01.0	G0	CZ	19862	P -42 9422
93	10.1E	9.0Z	18 7.587	0.0105	12	-47 49 52.24	-0.063	12	0.61	7.102	28	03.9	49.33	26	03.9	G0	CZ	19863	P -4810743
94	10.3E	9.5*	18 8.117	0.0029	12	-41 5 25.67	-0.004	12	0.63	7.976	26	01.0	25.50	24	01.0	G5	CZ	19865	P -41 9776
95	11.1E	9.3*	18 28.028	-0.0002	12	-46 22 17.45	-0.001	12	0.62	28.038	28	02.9	17.41	26	02.9	K0	CZ	19866	P -4610392
96	10.8E	10.0Z	19 1.446	0.0106	12	-43 28 54.91	-0.028	12	0.65	0.924	28	00.9	53.53	26	00.9	G0	CZ	19868	P -43 9603
97	10.0E	8.7Z	19 1.558	0.0012	12	-44 17 7.38	0.024	12	0.71	1.500	45	03.3	8.51	45	03.3	F8	CZ	19867	P -4410209
98		8.5T	19 16.429	0.0056	22	-40 4 12.15	-0.252	20	1.00	16.172	18	04.0	0.32	18	03.1	G0	GC	31262	C -4014747
99	10.2E	9.5*	19 18.921	0.0008	12	-49 50 25.14	-0.007	12	0.63	18.885	31	03.0	24.82	28	03.0	F5	CZ	19869	P -5011689
00	9.8E	9.0Z	19 22.700	0.0074	12	-46 55 11.46	-0.035	12	0.70	22.366	45	04.7	9.89	45	04.7	G0	CZ	19871	P -47 9851

231100 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -40° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	11.0E	9.2*	22 19 25.296	0.0016	12	-45 16 34.01	0.022	12	0.65	25.221	31	02.1	35.07	28	02.1		CZ	19874	P -4510286
2	9.9E	9.2*	19 28.408	0.0029	12	-43 5 4.34	-0.027	12	0.63	28.271	31	03.3	3.10	28	03.3	GO	CZ	19873	P -4911592
3	11.0E	9.5Z	19 35.735	0.0015	12	-43 39 37.53	0.000	12	0.72	35.662	45	02.8	37.53	45	02.8	GO	CZ	19876	P -4410210
4	10.2E	9.0Z	19 38.103	0.0008	12	-46 8 16.61	0.010	12	0.71	38.067	45	03.7	17.08	45	03.7	KO	CZ	19875	P -4610394
5		6.6T	19 41.131	0.0006	11	-46 12 2.35	-0.007	08	0.57	41.099	21	96.8	1.96	18	90.1	S	GC	31273K	C*-4614292
6	10.2E	9.5Z	19 43.528	0.0024	12	-46 35 10.85	-0.007	12	0.71	43.418	45	03.7	10.53	45	03.7	GO	CZ	19878	P -4610396
7	9.2E	8.4*	19 44.292	0.0057	12	-44 34 39.94	0.009	12	0.65	44.015	31	01.7	40.38	28	01.7	F2	CZ	19880	P -4410211
8	8.9E	8.5Z	19 44.622	0.0034	12	-46 25 5.89	0.013	12	0.71	44.465	45	03.7	6.50	45	03.7	F2	CZ	19879	P -4610397
9	8.7E	8.0Z	19 55.657	-0.0022	12	-45 22 40.54	0.008	12	0.71	55.760	45	03.7	40.91	45	03.7	A5	CZ	19881	P -4510287
10	8.8E	7.7*	19 56.682	0.0128	12	-44 18 53.27	-0.010	12	0.65	56.063	31	01.8	52.80	28	01.8	F0	CZ	19882	P -4410212
11		5.8T	20 4.223	0.0227	08	-46 10 50.77	-0.046	06	0.30	3.306	10	09.6	48.73	09	05.2	F0	GC	31279K	C*-4614295
12	9.3E	8.0Z	20 6.037	0.0064	12	-43 39 30.11	0.010	12	0.62	5.722	24	01.1	30.59	20	01.1	G5	CZ	19884	P -4410213
13	8.6E	8.0Z	20 17.597	-0.0010	12	-45 34 9.40	0.011	12	0.65	17.646	31	02.1	9.93	28	02.1	F2	CZ	19885	P -4510288
14	9.8E	8.7Z	20 19.054	0.0070	12	-44 22 31.49	-0.011	12	0.71	18.726	45	03.3	30.99	45	03.3	F8	CZ	19887	P -4410214
15	10.1E	9.0Z	20 20.685	0.0008	12	-46 52 54.63	-0.037	12	0.70	20.650	45	04.7	52.96	45	04.7		CZ	19886	P -47 9852
16		7.1T	20 21.386	-0.0014	10	-46 55 19.75	0.007	07	0.41	21.444	14	07.7	20.10	15	04.0	A2	GC	31283	C -4714171
17	9.3E	9.5Z	20 24.185	0.0033	12	-43 39 33.86	-0.018	12	0.72	24.027	45	02.8	33.01	45	02.8	F5	CZ	19889	P -4410215
18	10.9E	9.6Z	21 2.528	0.0011	12	-45 57 13.37	-0.005	12	0.71	2.479	45	03.7	13.14	45	03.7	F5	CZ	19892	P -4610401
19	11.3E	9.8*	21 9.734	0.0001	12	-42 55 58.60	-0.015	12	0.65	9.729	28	00.9	57.87	26	00.9		CZ	19893	P -43 9607
20	8.2E	7.4H	21 16.828	0.0039	12	-49 6 49.77	-0.027	12	0.64	16.642	31	02.7	48.51	28	02.7	K0	CZ	19894	P -4911595
21	9.0E	7.7M	21 22.322	0.0032	12	-49 4 11.34	-0.018	12	0.70	22.174	45	04.1	10.54	45	04.1	K2	CZ	19895	P -4911596
22	10.6E	9.0Z	21 25.885	0.0036	12	-47 10 50.31	-0.022	12	0.70	25.724	45	04.7	49.32	45	04.7	G5	CZ	19896	P -47 9858
23		6.7T	21 40.447	0.0124	10	-41 41 37.50	-0.026	08	0.43	39.896	12	05.6	36.32	14	04.0	F5	GC	31313K	C -4215901
24		9.2Q	21 42.623	-0.0038	17	-41 41 34.94	-0.079	13	0.77	42.803	18	02.4	30.89	21	98.6	F5	GC	31316K	C -4215902
25	10.2E	9.0Z	21 44.943	0.0013	12	-46 5 21.98	-0.014	12	0.71	44.884	45	03.7	21.33	45	03.7	G5	CZ	19898	P -4610403
26		7.9T	21 53.486	0.0070	18	-41 38 25.23	-0.071	13	0.76	53.172	19	05.2	21.84	19	02.1	K0	GC	31319	C -4215904
27	11.1E	8.9Z	22 2.267	0.0001	12	-42 17 2.35	-0.011	12	0.72	2.262	45	02.8	1.84	45	02.8	A2	CZ	19902	P -42 9436
28	9.9E	10.0Z	22 3.429	0.0013	12	-42 16 57.14	-0.009	12	0.64	3.365	28	01.1	56.71	26	01.1	A2	CZ	19903	P -42 9436
29	9.6E	8.5Z	22 5.937	0.0043	12	-45 32 24.41	-0.018	12	0.71	5.739	45	03.7	23.58	45	03.7	F2	CZ	19904	P -4510292
30	9.6E	8.5H	22 6.887	0.0061	12	-44 40 2.94	-0.008	12	0.65	6.590	31	01.7	2.56	28	01.7	K0	CZ	19905	P -4510293
31	9.6E	8.0Z	22 9.537	-0.0060	12	-46 45 0.88	0.000	12	0.82	9.815	63	03.7	0.88	57	03.7	G5	CZ	19906	P -47 9860
32	10.2E	8.7*	22 12.952	0.0046	12	-47 49 26.48	-0.005	12	0.62	12.737	28	03.3	26.25	26	03.3	K0	CZ	19907	P -4810748
33	10.8E	9.5*	22 54.283	-0.0023	12	-41 10 42.07	-0.043	12	0.64	54.398	26	00.9	39.98	24	00.9		CZ	19911	P -41 9783
34	8.2E	7.5Z	22 55.062	0.0073	12	-45 22 3.85	-0.032	12	0.66	54.726	36	03.8	2.38	36	03.8	K0	CZ	19909D	P*-4510295
35	9.1E	7.5Z	23 5.826	-0.0001	12	-45 15 10.80	0.007	12	0.63	5.832	28	02.5	11.14	26	02.5	K0	CZ	19913	P -4510296
36	9.8E	8.5Z	23 7.566	0.0037	12	-40 22 28.06	0.010	12	0.65	7.384	28	00.3	28.57	26	00.3	G5	CZ	19914	P -40 9695
37	10.1E	9.2*	23 8.265	0.0057	12	-47 31 4.02	-0.012	12	0.62	7.996	28	02.9	3.46	26	02.9	F8	CZ	19912	P -47 9861
38	11.1E	9.9*	23 20.443	0.0015	12	-46 23 33.96	-0.005	12	0.63	20.373	28	02.5	33.73	26	02.5	F0	CZ	19915	P -4610405
39	10.6E	9.4*	23 24.220	0.0086	12	-44 31 43.38	-0.050	12	0.63	23.808	28	02.3	40.99	26	02.3	G0	CZ	19916	P -4410222
40	11.1E	10.0H	23 41.453	0.0120	12	-48 36 53.15	-0.021	12	0.63	40.892	31	03.3	52.19	28	03.3		CZ	19917	P -4810752
41	8.5E	8.0*	23 47.467	0.0035	12	-45 52 25.66	-0.018	12	0.65	47.301	31	02.0	24.80	28	02.0	F2	CZ	19918	P -4610406
42	8.8E	9.0Z	24 1.487	0.0062	12	-41 33 11.57	-0.002	12	0.65	1.181	28	00.5	11.46	26	00.5	G0	CZ	19920	P -41 9788
43	11.2E	9.5Z	24 1.803	0.0005	12	-42 45 18.50	-0.028	12	0.65	1.778	28	00.5	17.12	26	00.5		CZ	19919	P -43 9610
44	10.8E	10.0Z	24 7.358	0.0081	12	-47 9 30.66	-0.043	12	0.64	6.975	31	02.7	28.63	28	02.7	G0	CZ	19921	P -47 9865
45		7.5T	24 17.898	0.0348	10	-49 37 0.33	-0.335	07	0.39	16.418	14	07.5	45.40	09	05.5	G5	GC	31357	C*-4913852
46	10.0E	9.0Z	24 19.417	0.0019	12	-40 42 14.36	-0.014	12	0.83	19.327	63	01.9	13.70	57	01.9	F8	CZ	19925	P -41 9791
47	10.7E	9.5Z	24 19.457	0.0027	12	-40 42 21.14	-0.020	12	0.83	19.328	63	01.9	20.20	57	01.9	F8	CZ	19924	P -41 9791
48	11.2E	9.8*	24 34.312	0.0035	12	-48 12 31.48	-0.011	12	0.63	34.148	31	03.3	30.96	28	03.3		CZ	19927	P -4810754
49	11.1E	9.4*	24 44.965	0.0012	12	-43 35 48.75	-0.002	12	0.65	44.904	28	00.7	48.65	26	00.7		CZ	19928	P -43 9612
50	10.5E	9.4Z	25 42.794	0.0016	12	-40 57 23.44	-0.027	12	0.65	42.716	28	00.5	22.12	26	00.5	A0	CZ	19935	P -41 9794
51	10.2E	9.1*	22 25 44.740	0.0038	12	-49 10 44.62	-0.020	12	0.64	44.558	31	02.6	43.69	28	02.6	G0	CZ	19933	P -4911607
52	10.1E	8.7H	25 45.030	0.0058	12	-48 20 28.45	-0.019	12	0.69	44.770	45	05.2	27.57	45	05.2	K0	CZ	19934	P -4810756
53	10.1E	8.0Z	25 58.994	0.0004	12	-45 49 22.50	0.001	12	0.71	58.977	45	03.7	22.55	45	03.7	K0	CZ	19936	P -4610408
54		4.0H	26 17.342	0.0026	03	-43 45 6.41	-0.003	02	0.11	17.245	06	13.5	6.31	05	11.8	G5	F4	846	C -4414931
55	9.6E	8.7H	26 20.427	0.0013	12	-48 45 46.45	0.010	12	0.70	20.366	45	04.1	46.92	45	04.1	G0	CZ	19938	P -4911608
56	8.8E	8.8Z	26 22.309	-0.0008	12	-40 31 35.90	-0.014	12	0.83	22.349	63	01.9	35.24	57	01.9	F0	CZ	19941	P -40 9699
57		8.8T	26 29.226	0.0159	26	-48 47 9.20	-0.082	22	1.11	28.509	21	04.8	5.43	19	04.1	G0	GC	31405	C -4913869
58	10.1E	9.0Z	26 35.999	0.0021	12	-48 37 50.46	0.004	12	0.69	35.904	45	05.2	50.66	45	05.2	K0	CZ	19942	P -4911610
59	10.4E	8.7Z	26 43.734	0.0004	12	-44 1 12.88	-0.012	12	0.71	43.713	45	03.3	12.32	45	03.3		CZ	19944	P -4410227
60	10.7E	9.1Z	26 43.755	0.0009	12	-43 5 46.75	-0.009	12	0.65	43.710	28	00.4	46.31	26	00.4	K0	CZ	19945	P -43 9618
61		4.3T	26 46.699	-0.0007	05	-44 0 20.85	0.005	04	0.26	46.734	12	02.1	21.14	10	96.3	MB	GC	31412K	C*-4414935
62	9.6E	9.5Z	26 49.899	0.0025	12	-41 52 1.77	0.004	12	0.72	49.780	45	02.3	1.95	45	02.3	G0	CZ	19949	P -42 9444
63	8.3E	7.5Z	26 50.895	-0.0004	12	-46 19 52.57	0.014	12	0.65	50.916	31	02.0	53.25	28	02.0	G5	CZ	19947	P -4610409
64	10.5E	9.5Z	26 50.935	-0.0010	12	-45 43 4.15	-0.009	12	0.65	50.985	31	02.1	3.72	28	02.1	G0	CZ	19948	P -4610410
65	10.5E	9.0*	27 3.014	-0.0011	12	-47 29 40.07	0.010	12	0.64	3.067	31	02.7	40.54	28	02.7	F8	CZ	19950	P -47 9867
66	10.6E	8.8Z	27 6.487	0.0018	12	-46 47 8.91	0.006	12	0.70	6.406	45	04.7	9.19	45	04.7	K5	CZ	19951	P -47 9868
67	10.4E	9.5Z	27 16.612	0.0063	12	-46 55 25.93	-0.016	12	0.65	16.327	36	04.7	25.20	36	04.7	G0	CZ	19952	P -47 9869
68		7.1T	27 18.075	0.0017	17	-42 32 51.50	-0.015	13	0.78	17.990	18	01.1	52.25	17	98.3	A0	GC	31420	C -4215947
69	10.1E	8.8*	27 28.283	-0.0003	12	-48 13 2.71	-0.013	12	0.61	28.296	28	03.7	2.11	26	03.7	K0	CZ	19954	P -4810761
70		7.1T	27 44.083	0.0027	09	-44 21 3.67	0.006	08	0.41	43.969	15	07.4	3.97	14	03.7	A0	GC	31429	C -4414940
71	10.6E	8.5Z	27 45.434	0.0003	12	-46 59 48.97	-0.029	12	0.65	45.421	36	04.7	47.66	36	04.7	K5	CZ	19955	P -47 9871
72		7.7T	27 55.761	0.0025	17	-48 34 21.11	-0.027	13	0.77	55.642	17	01.6	19.71	18	98.6	A2	GC	31435	C -4814228
73	9.0E	9.0Z	27 56.163	0.0026	12	-41 55 51.38	-0.052	12	0.63	56.036	26	01.1	48.82	24	01.1	F5	CZ	19961	P -42 9448
74	10.2E	9.5H	27 56.319	0.0031	12	-44 29 3.54	-0.005	12	0.67	56.173	36	03.1	3.32	36	03.1	F2	CZ	19960	P -4410231
75		6.9T	27 57.116	-0.0143	16	-49 41 15.81	-0.195	12	0.72	57.804	19	01.8	5.67	18	98.1	G0	GC	31437K	C*-5013701
76	9.8E	9.2Z	28 7.943	0.0035	12	-47 25 9.00	0.032	12	0.65	7.785	36	04.7	10.45	36	04.7	G0	CZ	19962	P -47 9874
77	10.5E	9.3*	28 20.146	0.0003	12	-46 32 33.15	-0.019	12	0.63	20.132	28	02.5	32.25	26	02.5	G0	CZ	19964	P -4610413
78	10.4E	9.6Z	28 25.986	0.0047	12	-42 53 18.33	-0.057	12	0.67	25.762	36	02.4	15.63	36	02.4	G0	CZ	19966	P -43 9625
79	9.4E	8.5Z	28 27.308	0.0018	12	-41 41 24.62	-0.020	12	0.65	27.220	28	00.6	23.62	26	00.6	K0	CZ	19967	P -42 9451
80	9.8E	8.9*	28 28.343	0.0005	12	-49 20 35.52	0.006	12	0.64	28.318	31	02.7	35.81	28	02.7	A0	CZ	19965	P -4911613
81	9.4E	9.0Z	28 42.011	-0.0005	12	-43 55 56.38	-0.002	12	0.71	42.032	45	03.3	56.28	45	03.3		CZ	19969	P -4410232
82	9.0E	8.0Z	28 45.352	-0.0003	12	-40 14 9.33	-0.027	12	0.66	45.369	28	99.6	7.99	26	99.6	K0	CZ	19971	P -40 9705
83	10.0E	9.0Z	28 46.156	-0.0047	12	-49 25 53.54	-0.071	12	0.70	46.370	45	04.1	50.29	45	04.1	F8	CZ	19968	P -4911616
84		7.2T	28 47.089	0.0018	17	-46 50 13.50	-0.034	12	0.77	47.001	19	01.7	11.73	18	97.3	F8	GC	31464	C -4714229
85	10.5E	9.2*	28 51.986	-0.0015	12	-45 39 21.72	-0.017	12	0.65	52.059	31	02.1	20.91	28	02.1	G0	CZ	19972	P -4610418
86	9.0E	7.5Z	29 0.219	0.0016	12	-43 48 18.46	-0.004	12	0.65	0.140	31	01.6	18.27	28	01.8	MA	CZ	19973	P -4410233
87	8.9E	8.0Z	29 5.744	0.0033	12	-42 59 53.24	0.019	12	0.65	5.580	28	00.4	54.19	26	00.4	K0	CZ	19974	P -43 9626
88		6.9T	29 13.804	-0.0003	11	-43 31 14.22	0.020	09	0.57	13.821	17	97.0	15.37	15	93.3	G5	GC	31472	C -4315075
89	9.9E	9.0Z	29 27.846	-0.0023	12	-45 15 44.25	0.013	12	0.65	27.957	31	02.1	44.88	28	02.1	F8	CZ	19977	P -4510306
90	10.0E	9.0Z	30 43.081	0.0011	12	-42 14 35.49	-0.047	12	0.72	43.030	45	02.3	33.26	45	02.3	K5	CZ	19982	P -42 9454
91	10.1E	9.3Z	30 50.966	-0.0055	12	-42 18 31.24	-0.249	12	0.72	51.229	45	02.3	19.38	45	02.3	F5	CZ	19983	P -42 9455
92		6.9T	30 55.997	-0.0003	17	-44 56 53.28	-0.017	13	0.78	56.009	17	01.2	52.42	18	98.6	K0	GC	31500	C -4514732
93	9.2E	9.0Z	31 2.625	0.0024	12	-43 36 42.13	-0.017	12	0.65	2.504	28	00.4	41.30	26	00.4	F2	CZ	19985	P -43 9633
94	9.5E	9.0Z	31 6.831	0.0030	12	-41 59 17.48	-0.006	12	0.65	6.684	28	00.5	17.09	26	00.5	K0	CZ	19987	P -42 9457
95	10.8E	9.5*	31 7.201	0.0017	12	-40 45 43.57	-0.071	12	0.65	7.120	28	00.8	40.06	26	00.8	G0	CZ	19988	P -41 9806
96	9.2E	8.0Z	31 13.007	0.0131	12	-43 19 36.75	0.041	12	0.72	12.380	45	02.2	38.72	45	02.2	G5	CZ	19989	P -43 9634
97	9.4E	8.5Z	31 36.782	-0.0009	12	-47 51 21.05	0.027	12	0.64	36.822	31	02.9	22.31	28	02.9	G0	CZ	19990	P -4810775
98	9.6E	9.0Z	31 40.771	0.0091	12	-44 53 31.25	-0.020	12	0.71	40.353	45	03.7	30.34	45	03.7	G5	CZ	19991	P -4510310
99	9.1E	8.3Z	31 48.295	0.0002	12	-40 19 31.63	-0.010	12	0.66	48.282	28	99.5	31.11	26	99.5	K2	CZ	19993	P -40 9710
00	7.8E	8.0Z	31 48.388	0.0034	12	-46 2 37.82	0.002	12	0.65	48.227	31	02.0	37.93	28	02.0	F0	CZ	19992	P -4610419

231200 — -40° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.3E	8.5Z	22 31 56.653	0.0019	12	-40 38 28.65	-0.024	12	0.83	56.564	63	01.9	27.47	57	01.9	F5	CZ	19995	P -41 9807
2	10.3E	9.8*	31 57.087	0.0081	12	-48 49 0.01	-0.022	12	0.64	56.716	31	02.7	-58.99	28	02.7	G0	CZ	19994	P -4911622
3	11.3E	9.9*	32 9.855	0.0082	12	-49 18 19.69	0.018	12	0.64	9.469	31	02.7	20.55	28	02.7		CZ	19996	P -4911623
4	11.3E	9.8*	32 11.910	0.0025	12	-47 38 3.56	0.008	12	0.62	11.789	28	02.7	5.94	26	02.7	G5	CZ	19998	P -4810779
5	11.3E	9.3*	32 14.764	0.0020	12	-44 19 55.45	0.017	12	0.65	14.666	31	01.8	56.29	28	01.8		CZ	19999	P -4410235
6	11.0E	9.5Z	32 59.174	-0.0025	12	-42 41 22.48	-0.001	12	0.63	59.298	26	01.3	22.43	24	01.3		CZ	20007	P -43 9636
7	9.4E	9.0Z	33 5.893	0.0011	12	-40 34 21.56	-0.010	12	0.65	5.836	28	00.4	21.07	26	00.4	K0	CZ	20008	P -40 9714
8	10.1E	9.0Z	33 10.193	-0.0001	12	-41 26 2.15	-0.030	12	0.63	10.195	26	01.1	0.66	24	01.1	G5	CZ	20009	P -41 9810
9	10.1E	9.0Z	33 13.331	-0.0018	12	-43 50 52.36	0.002	12	0.66	13.415	36	03.5	52.46	36	03.5	F8	CZ	20010	P -4410236
10	9.7E	9.0Z	33 20.943	0.0021	12	-43 55 9.82	0.043	12	0.65	20.843	28	02.2	11.86	26	02.2	F5	CZ	20011	P -4410237
11		6.1T	33 34.467	0.0038	07	-40 50 28.61	-0.066	06	0.30	34.307	09	07.5	25.67	09	05.1	A2	GC	31547	C -4114959
12		9.3T	33 37.602	0.0008	22	-46 43 8.40	-0.026	20	0.99	37.574	21	04.3	7.20	21	03.6	K0	GC	31548	C -4714264
13		6.7T	33 37.744	0.0008	13	-48 33 56.59	-0.005	09	0.60	37.702	17	00.3	56.33	18	94.1	M0	GC	31549	C -4414257
14		6.7T	33 44.584	0.0241	16	-43 43 49.99	-0.013	13	0.75	43.415	18	01.6	49.32	21	97.8	F8	GC	31554	C -4414978
15	9.9E	8.9*	33 48.904	0.0044	12	-45 22 37.47	0.003	12	0.65	48.692	31	02.1	37.60	28	02.1	G0	CZ	20016	P -4510312
16	9.3E	8.2Z	33 59.673	0.0029	12	-48 4 14.84	-0.003	12	0.64	59.538	31	02.9	14.68	28	02.9	F2	CZ	20017	P -4810785
17		5.7T	34 4.113	0.0032	08	-40 50 59.56	-0.071	06	0.32	3.982	12	06.9	56.32	12	04.0	A2	GC	31563K	C -4114963
18	10.1E	9.5Z	34 13.411	0.0049	12	-40 46 12.83	-0.021	12	0.72	13.175	45	02.3	11.83	45	02.3	G0	CZ	20020	P -41 9813
19	9.0E	8.1H	34 21.634	-0.0004	12	-44 55 29.46	0.001	12	0.65	21.643	31	02.0	29.50	28	02.0	K0	CZ	20021	P -4510313
20	10.3E	9.5Z	34 27.397	0.0079	12	-48 57 11.00	-0.025	12	0.70	27.036	45	04.1	9.86	45	04.1	G5	CZ	20022	P -4911626
21	10.2E	8.8Z	34 33.676	-0.0082	12	-44 49 58.13	-0.222	12	0.71	34.056	45	03.7	47.86	45	03.7	G0	CZ	20023	P -4510314
22	10.6E	9.2Z	34 50.036	0.0013	12	-42 39 52.82	0.004	12	0.64	49.975	28	01.1	53.01	26	01.1	K5	CZ	20025	P -43 9637
23		6.8T	34 53.967	-0.0030	15	-40 7 1.88	0.010	12	0.71	54.117	18	00.5	2.38	17	97.7	F8	GC	31574K	C -4014850
24	10.2E	9.5Z	35 2.687	0.0033	12	-49 1 10.21	-0.009	12	0.70	2.538	45	04.1	9.80	45	04.1	G0	CZ	20027	P -4911628
25		7.7T	35 4.970	0.0104	09	-46 58 7.96	-0.057	07	0.39	4.532	15	07.9	5.27	14	02.7	F5	GC	31580	C -4714273
26	9.5E	8.2Z	35 14.479	-0.0031	12	-44 0 2.54	0.001	12	0.71	14.624	45	03.3	2.57	45	03.3	K0	CZ	20029	P -4410243
27	8.9E	7.8Z	35 25.596	-0.0017	12	-44 0 16.35	0.003	12	0.65	25.678	31	01.7	16.48	28	01.7	G5	CZ	20030	P -4410245
28	9.1E	7.8Z	35 30.600	0.0004	12	-48 56 28.58	-0.005	12	0.64	30.582	31	02.7	28.35	28	02.7	K2	CZ	20031	P -4911631
29	9.8E	9.6Z	35 31.624	-0.0008	12	-44 51 37.30	0.011	12	0.71	31.662	45	03.7	37.81	45	03.7	F5	CZ	20033	P -4510315
30	10.2E	9.1Z	35 31.756	0.0039	12	-49 33 16.29	-0.025	12	0.70	31.576	45	04.1	15.13	45	04.1	F5	CZ	20032	P -4911630
31	10.3E	9.5*	35 34.572	0.0019	12	-43 7 3.79	0.009	12	0.64	34.481	28	01.1	4.22	26	01.1	A5	CZ	20035	P -43 9638
32	9.9E	7.5Z	35 36.542	0.0051	12	-47 58 12.13	-0.054	12	0.70	36.312	45	04.6	9.66	45	04.6	K2	CZ	20034	P -4810789
33	10.3E	9.0Z	35 48.527	0.0020	12	-43 50 30.89	0.017	12	0.71	48.434	45	03.3	31.67	45	03.3		CZ	20037	P -4410247
34	9.0E	8.0Z	36 26.972	-0.0009	12	-45 0 24.83	0.022	12	0.71	27.014	45	03.7	25.83	45	03.7	A5	CZ	20039	P -4510318
35	9.0E	7.8Z	36 31.416	0.0053	12	-43 31 58.36	0.004	12	0.65	31.155	28	00.8	58.54	26	00.8	K2	CZ	20040	P -43 9639
36	9.4E	8.0Z	36 49.247	0.0079	12	-46 56 46.24	-0.074	12	0.64	48.869	31	02.3	42.69	28	02.3	F8	CZ	20042	P -47 9688
37	10.9E	9.8*	36 51.111	-0.0009	12	-48 26 1.20	-0.007	12	0.64	56.152	31	02.9	0.87	28	02.9		CZ	20043	P -4810792
38	9.0E	7.5Z	36 57.215	0.0013	12	-48 0 19.71	-0.006	12	0.70	57.157	45	04.6	19.42	45	04.6	K0	CZ	20044	P -4810793
39	10.6E	9.4*	36 59.613	-0.0014	12	-42 12 48.76	-0.058	12	0.64	59.679	28	01.1	45.90	26	01.1	G0	CZ	20046	P -42 9470
40		7.3T	37 5.558	0.0076	07	-49 51 29.48	-0.048	06	0.34	5.216	15	05.0	27.07	14	99.5	K0	GC	31627	C -5013760
41	10.1E	9.5Z	37 9.494	-0.0000	12	-42 57 7.90	-0.019	12	0.72	9.496	45	02.8	7.00	45	02.8	F8	CZ	20048	P -43 9642
42	10.9E	10.0*	37 9.595	0.0022	12	-49 32 33.29	-0.003	12	0.64	9.490	31	02.7	33.14	28	02.7		CZ	20047	P -4911635
43	10.2E	8.5Z	37 27.198	-0.0014	12	-43 42 1.87	-0.002	12	0.63	27.267	26	01.4	1.76	24	01.4	K0	CZ	20050	P -4410250
44	8.5E	8.0*	37 34.519	-0.0070	12	-45 27 52.40	-0.083	12	0.63	54.850	28	02.5	48.44	26	02.5	F5	CZ	20053	P -4510320
45	8.6E	7.5Z	37 54.871	0.0088	12	-45 46 0.61	-0.066	12	0.63	54.451	28	02.4	-57.45	26	02.4	G5	CZ	20051	P -4610429
46	8.8E	9.1H	37 55.239	0.0006	12	-44 45 56.07	0.020	12	0.63	55.211	28	02.5	57.02	26	02.5	F0	CZ	20054	P -4510321
47	9.7E	9.3Z	37 59.797	-0.0022	12	-45 29 13.82	0.002	12	0.66	59.897	36	03.7	13.90	36	03.7	K5	CZ	20056	P -4510322
48	10.2E	8.5Z	38 0.259	0.0083	12	-46 27 47.55	-0.015	12	0.63	-59.863	28	02.4	46.83	26	02.4	K5	CZ	20055	P -4610430
49	9.1E	7.5Z	38 7.021	0.0096	12	-47 51 57.94	-0.037	12	0.62	6.575	28	03.3	56.20	26	03.3	F8	CZ	20057	P -4810796
50	11.0E	9.5*	38 15.971	0.0135	12	-41 40 22.45	0.006	12	0.63	15.309	26	01.2	22.72	24	01.2	K2	CZ	20058	P -42 9471
51	9.2E	8.5Z	22 38 22.806	0.0004	12	-44 6 8.44	-0.023	12	0.63	22.787	28	02.0	7.32	26	02.0	F5	CZ	20059	P -4410254
52	9.9E	9.2Z	38 31.851	-0.0006	12	-41 31 6.44	-0.003	12	0.72	31.878	45	02.3	6.28	45	02.3	K0	CZ	20060	P -41 9822
53	11.0E	9.9*	38 54.308	0.0024	12	-42 26 45.28	0.004	12	0.64	54.192	28	01.2	45.48	26	01.2		CZ	20061	P -42 9474
54	10.3E	8.5Z	39 8.771	-0.0007	12	-48 26 15.57	0.003	12	0.63	8.802	31	03.2	15.72	28	03.2	K2	CZ	20062	P -4810799
55	10.0E	9.5Z	39 12.577	0.0006	12	-41 35 50.59	-0.030	12	0.72	12.551	45	02.3	49.14	45	02.3	F5	CZ	20063	P -41 9825
56	10.4E	8.5Z	39 30.338	0.0015	12	-44 21 1.99	0.002	12	0.71	30.268	45	03.3	2.08	45	03.3	K0	CZ	20064	P -4410257
57		6.3T	39 38.584	0.0008	11	-47 28 5.78	-0.321	08	0.54	38.542	17	98.0	-46.66	17	90.4	G0	GC	31684K	C -4714307
58		2.2H	39 41.443	0.0135	02	-47 8 48.20	-0.006	02	0.10	40.956	06	13.9	47.97	05	11.9	M3	F4	856	C -4714308
59	9.6E	8.4Z	39 46.587	0.0101	12	-43 26 43.49	-0.000	12	0.65	46.091	28	00.9	43.48	26	00.9	G0	CZ	20069	P -43 9647
60		6.3T	39 47.142	0.0036	10	-44 30 38.27	0.042	07	0.39	46.976	14	06.8	40.29	12	02.1	K0	GC	31686	C -4415017
61	9.4E	8.0Z	40 3.515	0.0038	12	-48 0 35.93	-0.027	12	0.70	3.346	45	05.0	34.69	45	05.0	F8	CZ	20073	P -4810801
62	10.1E	8.8Z	40 24.013	0.0045	12	-41 48 20.60	0.005	12	0.72	23.803	45	02.8	20.82	45	02.8	K5	CZ	20074	P -42 9477
63	9.0E	8.0Z	40 24.131	0.0030	12	-40 16 16.23	-0.038	12	0.83	23.986	63	01.9	14.40	57	01.9	K0	CZ	20075	P -40 9727
64	10.9E	9.0Z	40 36.135	-0.0028	12	-44 49 43.85	0.003	12	0.65	36.270	31	02.0	44.00	28	02.0	G5	CZ	20076	P -4510326
65		4.9T	40 36.447	0.0020	07	-41 40 32.10	-0.089	06	0.32	36.358	12	05.3	27.71	12	00.6	K0	GC	31701K	C*-4216049
66	9.3E	7.8Z	40 37.369	0.0018	12	-40 23 27.38	-0.020	12	0.66	37.277	28	99.6	26.38	26	99.6	MB	CZ	20078	P -40 9728
67	9.4E	8.5Z	41 3.416	0.0031	12	-44 22 14.07	0.018	12	0.65	3.267	31	01.7	14.93	28	01.7	F2	CZ	20080	P -4411059
68	9.4E	9.2Z	41 4.171	0.0018	12	-48 15 3.08	0.000	12	0.63	4.085	31	03.2	3.09	28	03.2	A0	CZ	20079	P -4810805
69	10.0E	9.5Z	41 13.878	0.0001	12	-42 44 21.74	0.023	12	0.72	13.875	45	02.8	22.82	45	02.8	F8	CZ	20082D	P*-43 9649
70	11.2E	9.7*	41 14.352	-0.0006	12	-45 28 23.18	-0.013	12	0.65	14.379	31	02.1	22.54	28	02.1		CZ	20081	P -4510327
71	9.3E	8.5Z	41 28.707	0.0049	12	-40 0 3.93	-0.058	12	0.66	28.458	28	99.4	1.00	26	99.4	G5	CZ	20083	P -40 9729
72		7.2T	41 56.480	-0.0053	15	-41 1 49.42	-0.029	12	0.72	56.750	15	99.3	47.83	17	96.1	K2	GC	31733	C*-4115006
73	11.4E	9.6*	42 8.570	-0.0011	12	-48 56 34.81	0.010	12	0.64	8.623	31	03.0	35.28	28	03.0		CZ	20086	P -4911649
74	9.2E	8.0Z	42 13.492	0.0040	12	-45 50 52.61	0.008	12	0.63	13.299	28	02.4	52.98	26	02.4	F8	CZ	20087	P -4610435
75	9.2E	8.0Z	42 18.143	0.0053	12	-45 48 34.69	-0.009	12	0.66	17.896	36	03.7	34.25	36	03.7	G0	CZ	20089	P -4610436
76	9.9E	9.2Z	42 18.240	0.0018	12	-40 7 32.54	0.023	12	0.83	18.152	63	01.9	33.66	57	01.9	A0	CZ	20090	P -40 9731
77	9.8E	10.0Z	42 28.147	0.0004	12	-41 37 36.95	0.025	12	0.72	28.125	45	02.3	38.12	45	02.3	F0	CZ	20091	P -42 9484
78		5.4T	42 44.106	-0.0031	07	-46 48 38.08	-0.015	06	0.31	44.232	14	09.1	37.39	12	03.6	K0	GC	31750	C*-4714320
79	11.3E	9.6*	42 48.898	-0.0027	12	-49 32 31.88	0.005	12	0.64	49.024	31	03.0	32.10	28	03.0	G5	CZ	20093	P -4911651
80	10.4E	9.3Z	42 56.897	0.0012	12	-42 4 6.27	0.024	12	0.63	56.841	26	01.3	7.42	24	01.3	G5	CZ	20094	P -42 9485
81		9.7T	43 4.626	-0.0158	22	-42 41 6.37	-0.082	22	1.06	5.353	19	04.0	2.57	19	03.5	G5	GC	31754	C -4315148
82		9.4T	43 5.177	0.0143	26	-47 28 11.83	-0.064	22	1.12	4.526	21	04.5	8.88	19	03.8	G0	GC	31756	C -4714323
83	9.8E	8.5Z	43 7.087	0.0011	12	-46 37 26.93	-0.081	12	0.63	7.033	28	02.5	23.07	26	02.5	G0	CZ	20097	P -47 9901
84	8.1E	7.5Z	43 7.862	0.0067	12	-46 6 20.33	0.011	12	0.63	7.542	28	02.5	20.84	26	02.5	F5	CZ	20098	P -4610440
85		6.8T	43 8.227	0.0208	13	-49 14 29.97	-0.045	09	0.61	7.194	17	00.4	27.48	18	94.2	G0	GC	31757	C -4913955
86	10.3E	8.4*	43 20.682	0.0007	12	-48 39 13.58	0.009	12	0.63	20.650	31	03.3	14.00	28	03.3	K2	CZ	20100	P -4911654
87		6.5T	43 28.645	0.0092	12	-49 56 44.32	-0.272	09	0.57	28.184	17	99.9	29.13	18	94.1	K0	GC	31762	C -5013788
88	10.2E	8.8Z	43 41.525	-0.0002	12	-44 8 58.39	0.007	12	0.71	41.535	45	03.2	58.71	45	03.2	G5	CZ	20104	P -4410261
89	10.4E	9.5Z	43 42.635	0.0009	12	-49 57 18.71	-0.024	12	0.71	42.592	45	03.7	17.59	45	03.7		CZ	20103	P -5011747
90		6.8T	43 46.654	0.0057	12	-47 12 12.35	0.009	09	0.58	46.369	18	99.9	12.88	19	91.9	A5	GC	31769K	C -4714331
91	9.3E	9.4H	43 48.196	0.0016	12	-44 32 48.33	-0.018	12	0.65	48.119	31	01.6	47.45	28	01.6	A2	CZ	20112	P -4410262
92	8.9E	8.0Z	43 54.280	0.0051	12	-46 20 29.30	0.005	12	0.71	54.023	45	03.7	29.52	45	03.7	F2	CZ	20113	P -4610445
93	8.9E	7.7Z	43 55.071	0.0021	12	-42 47 48.30	-0.019	12	0.64	54.971	28	01.1	47.36	26	01.1	K0	CZ	20115	P -43 9653
94		8.1T	43 56.438	0.0090	12	-45 18 53.46	0.014	10	0.46	56.081	15	10.5	54.06	15	07.6	F2	GC	31770	C -4514800
95	9.4E	8.2Z	44 14.357	0.0017	12	-44 9 35.01	0.013	12	0.65	14.276	31	01.7	35.62	28	01.7	K2	CZ	20116	P -4410264
96		6.8T	44 16.206	0.0031	14	-41 57 21.32	0.002	12	0.70	16.051	18	99.9	21.43	19	96.6	K0	GC	31781	C -4216071
97	9.0E	8.5Z	44 19.359	0.0090	12	-43 52 11.69	0.007	12	0.71	18.938	45	03.2	12.00	45	03.2	G0	CZ	20118	P -4410265
98		7.5T	44 31.895	-0.0012	18	-45 13 44.81	0.032	13	0.80	31.950	24	03.6	46.45	21	98.9	G0	GC	31787	C -4514803
99	11.0E	9.7*	44 41.662	0.0049	12	-41 35 49.55	0.007	12	0.65	41.418	28	00.7	49.88	26	00.7		CZ	20120	P -41 9834
00	10.3E	9.5Z	44 48.104	0.0024	12	-43 9 2.26	0.019	12	0.64	47.989	28	01.1	3.18	26	01.1	F8	CZ	20121	P -43 9657

231300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.1E	9.5Z	22 44 54.440	-0.0077	12	-41 48 59.10	-0.026	12	0.72	54.805	45	02.8	57.85	45	02.8	F8	CZ	20122	P -42 9490
2	10.5E	8.5Z	44 56.716	0.0031	12	-43 38 19.98	-0.007	12	0.72	56.571	45	02.8	20.29	45	02.8	K2	CZ	20123	P -4410266
3	10.1E	8.5Z	44 57.351	0.0045	12	-42 57 25.19	-0.026	12	0.72	57.140	45	02.8	23.96	45	02.8	K5	CZ	20124	P -43 9658
4	8.9E	9.0*	45 26.362	-0.0031	12	-45 30 46.94	-0.003	12	0.65	26.509	31	01.9	46.78	28	01.9	F5	CZ	20125	P -4510338
5	9.8E	8.9H	45 26.605	-0.0019	12	-44 45 55.65	-0.017	12	0.71	26.693	45	03.7	54.87	45	03.7	K0	CZ	20127	P -4510339
6	10.9E	9.5Z	45 33.682	0.0036	12	-46 19 27.06	-0.305	12	0.71	33.515	45	03.7	12.93	45	03.7	F8	CZ	20128	P -4610449
7		7.1T	45 36.631	-0.0011	16	-43 42 38.44	0.004	13	0.76	36.683	18	01.0	38.65	21	98.6	G5	GC	31816	C -4415051
8	10.5E	9.5Z	45 42.858	0.0025	12	-48 22 16.32	-0.001	12	0.63	42.739	31	03.3	16.28	28	03.3	G0	CZ	20130	P -4810818
9	10.3E	9.3*	45 48.004	-0.0017	12	-47 3 43.05	-0.026	12	0.64	48.083	31	02.3	41.79	28	02.3	G0	CZ	20131	P -47 9906
10	10.7E	9.5Z	46 1.077	0.0145	12	-46 41 42.38	0.005	12	0.71	0.404	45	03.7	42.60	45	03.7	G0	CZ	20133	P -47 9907
11	8.9E	8.0Z	46 3.989	0.0040	12	-44 52 1.56	-0.118	12	0.65	3.798	31	02.0	55.90	28	02.0	G0	CZ	20134	P -4510340
12	10.3E	9.0Z	46 12.303	0.0005	12	-43 43 36.69	0.009	12	0.82	12.280	63	02.8	37.10	57	02.8	G5	CZ	20135	P -4410270
13	9.2E	8.0Z	46 13.680	0.0060	12	-40 8 15.89	-0.016	12	0.66	13.374	28	99.3	15.09	26	99.3	K0	CZ	20136	P -40 9742
14	10.8E	9.8*	46 16.548	-0.0004	12	-40 39 56.20	0.008	12	0.66	16.567	28	99.6	56.61	26	99.6		CZ	20137	P -41 9837
15	11.1E	9.8*	46 18.744	0.0033	12	-41 4 33.33	-0.036	12	0.65	18.579	28	00.8	31.56	26	00.8		CZ	20138	P -41 9838
16	11.0E	9.5*	46 35.514	-0.0002	12	-41 26 42.83	-0.013	12	0.65	35.527	28	00.8	42.17	26	00.8		CZ	20140	P -41 9839
17	10.4E	9.4*	46 38.884	0.0014	12	-48 50 19.53	0.005	12	0.63	38.820	31	03.7	19.76	28	03.7	G5	CZ	20139	P -4911664
18	10.8E	9.5H	46 46.036	0.0000	12	-49 30 11.74	-0.007	12	0.63	46.036	31	03.7	11.40	28	03.7	G5	CZ	20141	P -4911665
19	7.9E	8.1H	46 57.158	0.0011	12	-44 41 19.00	-0.003	12	0.65	57.104	31	01.6	18.86	28	01.6	A0	CZ	20142	P -4510341
20	10.5E	9.5*	47 4.271	0.0009	12	-46 1 3.06	-0.020	12	0.65	4.227	31	02.1	2.09	28	02.1	G0	CZ	20144	P -4610451
21	10.8E	9.4*	47 6.108	-0.0003	12	-47 33 24.16	-0.001	12	0.62	6.123	28	03.2	24.09	26	03.2		CZ	20145	P -47 9910
22	10.5E	9.7Z	47 16.642	0.0022	12	-42 55 43.21	-0.005	12	0.72	16.540	45	02.8	42.97	45	02.8		CZ	20147	P -43 9663
23		8.1T	47 20.192	-0.0330	14	-41 45 8.81	-0.215	12	0.73	21.849	15	99.8	57.42	17	97.0	G5	GC	31845	C -4216092
24	10.0E	9.2Z	47 48.244	-0.0024	12	-43 52 16.84	0.026	12	0.62	48.357	28	02.7	18.06	26	02.7	F8	CZ	20149	P -4410274
25	9.1E	8.0Z	48 14.874	0.0082	12	-45 0 8.60	0.025	12	0.66	14.495	36	03.7	9.74	36	03.7	G0	CZ	20151	P -4510344
26	9.8E	9.5Z	48 21.744	-0.0036	12	-40 9 24.25	-0.009	12	0.66	21.924	28	99.8	23.81	26	99.8	F0	CZ	20152	P -40 9745
27		7.4T	48 28.622	-0.0021	15	-41 50 48.72	0.003	12	0.73	28.728	17	99.9	48.88	17	96.9	K5	GC	31866	C -4216098
28	10.1E	9.0Z	48 35.325	0.0017	12	-43 21 1.97	-0.012	12	0.63	35.243	28	02.0	1.38	26	02.0	A5	CZ	20154	P -43 9664
29	10.0E	8.0Z	48 45.721	0.0014	12	-45 15 45.87	0.006	12	0.71	45.654	45	03.7	46.13	45	03.7	K5	CZ	20155	P -4510345
30	9.0E	7.5Z	48 54.655	0.0011	12	-45 3 0.99	0.020	12	0.65	54.603	31	02.0	1.94	28	02.0	G5	CZ	20157	P -4510346
31	9.6E	8.5Z	48 55.887	-0.0016	12	-47 2 30.63	-0.042	12	0.64	55.960	31	02.7	28.63	28	02.7	G0	CZ	20156D	P*-47 9914
32		7.6T	49 22.810	0.0017	10	-47 50 27.54	-0.004	09	0.44	22.737	14	07.9	27.37	15	06.5	F5	GC	31883	C -4814344
33		7.6T	49 31.291	0.0050	18	-48 15 31.52	-0.027	13	0.80	31.052	19	02.5	30.14	18	98.6	K0	GC	31885	C -4814345
34	8.2E	7.6*	49 32.060	-0.0012	12	-46 15 24.68	-0.018	12	0.65	32.117	31	02.1	23.81	28	02.1	K0	CZ	20160	P -4610453
35	9.6E	8.7Z	49 38.847	0.0017	12	-43 3 18.75	0.008	12	0.70	38.772	45	04.3	19.11	45	04.3	A2	CZ	20161	P -43 9666
36	8.6E	8.2Z	49 40.183	0.0023	12	-43 3 14.26	0.009	12	0.64	40.075	28	01.7	14.69	26	01.7	A2	CZ	20162	P -43 9666
37	9.8E	8.5Z	49 42.307	0.0031	12	-45 13 58.49	-0.007	12	0.71	42.165	45	03.7	58.16	45	03.7	K0	CZ	20163	P -4510350
38	8.8E	9.0Z	49 58.904	0.0001	12	-41 16 11.29	0.017	12	0.65	58.901	28	00.7	12.11	26	00.7	F2	CZ	20164	P -41 9842
39	8.9E	7.5Z	50 7.533	0.0021	12	-45 7 27.82	-0.035	12	0.71	7.437	45	03.7	26.19	45	03.7	K0	CZ	20166	P -4510351
40	9.6E	9.3Z	50 10.673	-0.0015	12	-49 49 36.51	0.007	12	0.70	10.741	45	04.8	36.82	45	04.8	G5	CZ	20165	P -5011758
41		6.9T	50 21.618	0.0052	09	-45 24 49.34	-0.001	07	0.39	21.389	14	06.3	49.30	15	03.3	K0	GC	31906	C -4514847
42	9.4E	9.0*	50 23.951	-0.0018	12	-46 37 52.23	-0.062	12	0.65	24.035	31	02.1	49.25	28	02.1	F8	CZ	20168	P -47 9916
43		6.3T	50 40.838	0.0219	09	-48 51 16.84	-0.073	07	0.37	39.891	14	06.8	44.93	12	03.2	G5	GC	31913	C*-4913988
44	8.9E	8.0Z	50 41.920	-0.0038	12	-45 8 25.34	-0.015	12	0.71	42.097	45	03.7	26.01	45	03.7	F8	CZ	20171	P -4510355
45		9.2T	51 5.682	-0.0002	33	-49 48 15.40	-0.084	28	1.38	5.691	21	05.9	11.66	21	05.4	A0	GC	31924	C -5013822
46	8.6E	9.0*	51 22.044	0.0066	12	-46 9 15.87	-0.025	12	0.65	21.726	31	02.0	14.66	28	02.0	G0	CZ	20175	P -4610461
47	8.5E	8.0Z	51 40.923	0.0022	12	-42 5 47.18	0.057	12	0.65	40.817	28	00.8	49.96	26	00.8	F5	CZ	20176	P -42 9500
48	10.1E	8.5Z	51 48.253	0.0005	12	-46 40 49.38	0.022	12	0.71	48.228	45	03.7	50.38	45	03.7	G5	CZ	20177	P -47 9919
49	10.6E	9.3*	51 59.010	-0.0022	12	-40 48 31.94	0.002	12	0.65	59.116	28	00.8	32.05	26	00.8		CZ	20179	P -41 9845
50	9.5E	8.6Z	52 5.122	0.0018	12	-47 45 5.78	-0.007	12	0.69	5.044	45	05.7	5.45	45	05.7	A3	CZ	20180	P -4810835
51	8.6E	9.0Z	22 52 9.560	0.0010	12	-41 11 36.46	0.020	12	0.72	9.511	45	02.4	37.42	45	02.4	F2	CZ	20181	P -41 9847
52		7.5T	52 16.778	0.0058	17	-46 56 42.21	-0.067	12	0.75	16.500	17	02.2	38.76	18	98.4	K0	GC	31950	C -4714392
53		6.7T	52 21.798	-0.0221	11	-48 45 34.00	0.058	08	0.46	22.788	12	05.1	36.77	10	02.5	F5	GC	31952	C*-4913997
54		7.0T	52 21.915	-0.0231	13	-48 44 0.35	0.062	08	0.60	23.054	19	00.6	3.92	17	92.8	G0	GC	31953K	C*-4913996
55		8.5T	52 33.403	0.0035	16	-43 9 3.91	-0.017	13	0.75	33.232	17	01.0	3.06	17	98.9	F8	GC	31959	C -4315197
56		7.7T	52 36.450	0.0009	17	-46 35 41.90	0.034	13	0.77	36.406	19	02.1	43.64	18	98.9	F2	GC	31961	C -4614474
57	9.5E	8.9*	52 41.879	0.0055	12	-43 55 30.44	0.006	12	0.62	41.621	28	02.9	30.71	26	02.9	F8	CZ	20187	P -4410281
58	10.3E	9.3*	52 47.539	-0.0078	12	-49 19 0.85	-0.034	12	0.63	47.901	31	03.7	59.26	28	03.7	F8	CZ	20188	P -4911677
59		8.1T	52 54.465	0.0068	16	-48 58 27.20	-0.077	11	0.72	54.140	22	02.6	23.17	21	97.3	K2	GC	31967	C -4914002
60		6.8T	53 3.620	0.0050	15	-41 21 52.02	0.015	13	0.73	3.372	18	00.2	52.83	17	98.0	K0	GC	31969	C -4115082
61		7.2T	53 4.940	0.0031	16	-42 49 11.33	0.002	13	0.76	4.786	15	00.4	11.45	15	98.0	A2	GC	31971	C -4315198
62	8.8E	8.2Z	53 15.586	0.0041	12	-43 24 40.92	-0.013	12	0.62	15.390	26	02.2	40.29	24	02.2	F8	CZ	20192	P -43 9679
63	10.3E	9.4Z	53 16.038	0.0029	12	-40 57 11.01	-0.033	12	0.65	15.893	28	00.7	9.39	26	00.7		CZ	20193	P -41 9849
64		5.9T	53 53.411	-0.0032	13	-48 14 11.99	0.009	10	0.62	53.567	19	00.9	12.48	18	95.6	A3	GC	31980	C -4814364
65	9.6E	9.0*	54 11.218	-0.0003	12	-45 0 26.33	-0.013	12	0.65	11.234	31	02.0	25.69	28	02.0	K0	CZ	20196	P -4510364
66	9.4E	8.7Z	54 47.058	-0.0009	12	-45 21 34.88	-0.031	12	0.71	47.097	45	03.7	33.43	45	03.7	F8	CZ	20198	P -4510365
67	9.6E	9.0Z	54 48.205	0.0028	12	-47 32 15.96	0.005	12	0.64	48.074	31	02.7	16.18	28	02.7	A0	CZ	20197	P -47 9927
68	10.1E	9.2Z	54 55.477	0.0047	12	-48 42 17.32	0.035	12	0.63	55.260	31	03.7	18.94	28	03.7	F2	CZ	20200	P -4911682
69	9.5E	9.3Z	55 2.124	0.0047	12	-47 19 39.41	-0.018	12	0.70	1.910	45	04.8	38.58	45	04.8	F5	CZ	20201	P -47 9929
70		7.8T	55 5.815	0.0091	17	-45 25 31.66	-0.035	12	0.74	5.372	17	01.5	29.88	18	98.9	F0	GC	32006	C -4514879
71	9.0E	8.0Z	55 14.181	0.0018	12	-46 16 47.39	-0.006	12	0.65	14.094	31	02.1	47.10	28	02.1	A3	CZ	20203	P -4610469
72	9.9E	8.5Z	55 20.046	0.0018	12	-46 17 19.66	-0.019	12	0.71	19.962	45	03.7	18.77	45	03.7	G0	CZ	20204	P -4610470
73	10.7E	9.0Z	55 26.058	-0.0006	12	-46 11 38.14	-0.039	12	0.71	26.085	45	03.7	36.32	45	03.7	G0	CZ	20206	P -4610471
74	9.4E	8.5Z	55 26.745	0.0174	12	-42 7 29.34	-0.044	12	0.65	25.892	28	00.8	27.16	26	00.8	G5	CZ	20207	P -42 9510
75	10.9E	9.4*	55 41.576	-0.0000	12	-42 33 20.42	-0.023	12	0.64	41.579	28	01.0	19.29	26	01.0	F8	CZ	20210	P -42 9512
76	8.3E	7.6Z	55 43.687	0.0057	12	-45 47 16.81	0.062	12	0.71	43.421	45	03.7	19.66	45	03.7	G5	CZ	20209D	P*-4610474
77	9.9E	9.0Z	55 53.744	-0.0006	12	-40 11 15.67	0.002	12	0.66	53.772	28	99.6	15.78	26	99.6	K0	CZ	20211	P -40 9757
78	8.5E	8.5*	56 9.585	0.0067	12	-45 43 26.74	-0.008	12	0.62	9.262	26	02.0	26.34	24	02.0	F0	CZ	20212	P -4610476
79	9.8E	8.8Z	56 9.989	-0.0002	12	-44 12 13.17	0.010	12	0.64	9.998	31	02.6	13.63	28	02.6	F5	CZ	20213	P -4410288
80		7.4T	56 22.840	0.0036	13	-45 27 27.08	0.011	09	0.63	22.655	21	99.1	27.74	18	91.1	A0	GC	32026	C -4514885
81	10.2E	9.5Z	56 34.105	0.0057	12	-49 20 47.02	-0.028	12	0.63	33.842	31	03.7	45.72	28	03.7	G0	CZ	20215	P -4911686
82		8.0T	57 9.932	0.0056	14	-46 45 37.47	-0.021	12	0.70	9.645	17	98.9	36.34	15	95.9	F2	GC	32044	C -4714422
83	11.0E	9.5Z	57 14.884	-0.0014	12	-43 48 9.34	0.010	12	0.64	14.950	31	02.7	9.80	28	02.7	G5	CZ	20218	P -4410290
84	9.6E	9.4Z	57 19.378	0.0062	12	-45 12 23.35	-0.087	12	0.66	19.092	36	03.7	19.31	36	03.7	A2	CZ	20219	P -4510373
85	10.5E	9.3*	57 25.662	0.0047	12	-47 58 4.77	0.004	12	0.61	25.446	28	03.7	4.94	26	03.7	F8	CZ	20220	P -4810843
86	10.3E	9.6Z	57 32.790	0.0010	12	-46 42 8.81	0.012	12	0.66	32.741	36	03.7	9.35	36	03.7	A3	CZ	20221	P -47 9932
87		7.1T	57 34.987	-0.0040	10	-41 25 9.53	-0.044	09	0.44	35.153	15	08.7	7.58	15	06.0	K0	GC	32052	C -4115105
88		7.3T	57 52.604	0.0094	10	-49 43 13.40	-0.031	08	0.43	52.190	14	05.9	11.98	14	04.0	A3	GC	32059	C*-5013851
89	9.2E	8.3Z	57 59.804	-0.0017	12	-40 9 50.75	0.033	12	0.66	59.889	28	99.3	52.42	26	99.3	G0	CZ	20226	P -40 9759
90		7.7T	58 1.780	0.0060	14	-49 12 42.95	-0.032	11	0.68	1.483	18	00.8	41.25	21	96.1	K2	GC	32064	C -4914026
91	10.3E	9.2Z	58 8.279	-0.0029	12	-44 53 59.99	-0.008	12	0.66	8.414	36	03.7	59.62	36	03.7	G5	CZ	20228	P -4510374
92	9.7E	8.5Z	58 13.409	-0.0020	12	-47 8 43.72	-0.046	12	0.62	13.501	28	03.0	41.54	26	03.0	F5	CZ	20229	P -47 9934
93	8.3E	7.6Z	58 16.336	0.0049	12	-45 28 24.00	-0.035	12	0.66	16.107	36	03.7	22.36	36	03.7	K2	CZ	20230	P -4510375
94	10.1E	9.0Z	58 28.166	0.0012	12	-47 0 11.36	0.002	12	0.65	28.110	36	04.4	11.44	36	04.4	F8	CZ	20231	P -47 9935
95	9.0E	9.0Z	58 39.780	0.0042	12	-42 42 42.71	0.018	12	0.65	39.573	28	00.2	43.60	26	00.2	F8	CZ	20232	P -43 9689
96	9.9E	9.2Z	58 46.172	0.0115	12	-45 15 27.41	0.004	12	0.71	45.638	45	03.7	27.58	45	03.7	K2	CZ	20233	P -4510376
97	10.6E	9.5Z	58 46.573	-0.0009	12	-44 55 56.59	-0.005	12	0.71	46.615	45	03.7	56.36	45	03.7	G0	CZ	20234	P -4510377
98	7.6E	7.7H	58 56.240	-0.0087	12	-45 6 32.72	-0.026	12	0.65	56.658	31	02.0	31.47	28	02.0	A5	CZ	20235	P -4510378
99	8.6E	8.0Z	59 10.095	0.0010	12	-40 1 29.30	-0.039	12	0.83	10.045	63	01.9	27.43	57	01.9	F5	CZ	20238	P -40 9762
00	9.3E	8.0Z	59 14.302	0.0040	12	-46 58 13.37	0.006	12	0.71	14.115	45	03.8	13.64	45	03.8	K0	CZ	20237	P -47 9936

-40° 22H

231400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.8E	9.2H	22 59 19.013	0.0012	12	-44 32 52.64	-0.023	12	0.64	18.957	31	02.7	51.54	28	02.7	F2	CZ	20239	P -4410293
2		7.2T	59 36.474	-0.0010	10	-45 34 22.61	-0.002	07	0.40	36.515	15	09.1	22.52	15	04.4	F2	GC	32093	C -4514905
3		7.7T	59 36.546	0.0202	17	-49 57 47.15	-0.210	12	0.76	35.564	17	01.4	36.14	18	97.5	G5	GC	32094	C -5013857
4	10.5E	9.0*	59 40.037	-0.0029	12	-46 21 15.77	0.008	12	0.65	40.175	31	02.1	16.14	28	02.1	G0	CZ	20242	P -4610482
5	11.0E	9.0Z	59 50.577	0.0011	12	-45 33 4.33	-0.013	12	0.71	50.525	45	03.7	3.71	45	03.7	K5	CZ	20243	P -4510381
6	11.5E	10.0*	59 54.655	0.0047	12	-49 6 22.15	-0.107	12	0.63	54.436	31	03.0	17.12	28	03.0	G0	CZ	20244	P -4911690
7	9.0E	9.0Z	59 55.016	-0.0004	12	-40 2 20.04	0.020	12	0.66	55.035	28	99.3	21.06	26	99.3	F5	CZ	20246	P -40 9764
8	10.4E	9.0Z	59 59.980	0.0037	12	-49 19 59.08	0.010	12	0.70	59.814	45	04.6	59.52	45	04.6	K2	CZ	20245	P -4911691
9		6.7T	23 0 4.066	0.0017	16	-48 7 2.83	-0.004	13	0.73	3.984	15	02.6	2.63	18	99.0	B8	GC	32104	C*-4814393
10	9.7E	8.5Z	0 14.464	0.0056	12	-48 9 57.25	-0.016	12	0.70	14.212	45	04.7	56.51	45	04.7	F5	CZ	20248	P -4810848
11	10.1E	8.5Z	0 17.255	-0.0030	12	-48 20 29.96	0.009	12	0.70	17.389	45	04.7	30.37	45	04.7	K0	CZ	20249	P -4810849
12		7.8T	0 19.176	0.0077	11	-47 31 24.20	-0.056	09	0.45	18.866	15	09.9	21.80	15	07.1	F5	GC	32111	C -4714436
13	8.7E	8.0Z	0 37.126	-0.0013	12	-45 4 5.32	-0.028	12	0.71	37.187	45	03.7	4.01	45	03.7	F5	CZ	20251	P -4510383
14		7.8T	0 39.160	0.0018	15	-43 20 47.18	-0.134	13	0.74	39.069	18	99.8	40.11	17	97.1	F8	GC	32120	C -4315249
15		8.7T	0 54.106	0.0044	15	-41 5 10.28	0.034	13	0.73	53.893	18	01.1	12.05	17	98.6	M0	GC	32123	C -4115121
16	10.1E	9.4Z	1 1.576	0.0019	12	-44 51 52.72	-0.034	12	0.71	1.489	45	03.7	51.15	45	03.7	G0	CZ	20255	P -4510384
17		8.3T	1 8.242	0.0098	15	-46 26 14.60	0.019	12	0.70	7.766	19	01.4	15.60	18	97.8	F8	GC	32127K	C*-4614529
18	10.1E	9.5Z	1 10.657	-0.0011	12	-41 5 13.92	-0.017	12	0.73	10.709	45	01.3	13.10	45	01.3	K0	CZ	20259	P -41 9862
19		5.8T	1 11.029	0.0004	12	-41 44 57.06	0.073	09	0.59	11.008	17	96.7	+ 1.25	15	92.6	K0	GC	32129	C -4216177
20	10.1E	8.8*	1 11.200	0.0010	12	-45 39 18.53	-0.005	12	0.65	11.151	31	02.0	18.27	28	02.0	G5	CZ	20257	P -4610488
21	8.3E	8.0Z	1 15.117	-0.0014	12	-46 16 10.33	-0.063	12	0.71	15.180	45	03.7	7.40	45	03.7	F8	CZ	20260	P -4610489
22	10.4E	10.0Z	1 23.738	-0.0011	12	-41 41 25.18	-0.008	12	0.65	23.791	28	00.1	24.76	26	00.1	F0	CZ	20262	P -42 9517
23	10.6E	8.5Z	1 38.507	0.0006	12	-42 20 38.15	0.006	12	0.65	38.478	28	00.3	38.44	26	00.3	K2	CZ	20263	P -42 9518
24	10.9E	9.6Z	2 11.684	0.0044	12	-46 21 32.86	-0.026	12	0.66	11.479	36	03.7	31.65	36	03.7	G0	CZ	20266	P -4610492
25		8.0T	2 15.164	-0.0124	11	-43 17 46.81	-0.033	09	0.45	15.673	15	08.9	45.36	14	05.7	K0	GC	32148K	C -4315255
26	10.2E	9.5Z	2 23.194	0.0075	12	-41 55 44.05	-0.042	12	0.65	22.821	28	00.5	41.96	26	00.5	G0	CZ	20268	P -42 9520
27	10.8E	9.7*	2 25.345	-0.0035	12	-44 27 46.68	-0.053	12	0.62	25.510	28	02.9	44.18	26	02.9	G0	CZ	20269	P -4410294
28	10.7E	8.5Z	2 41.520	0.0017	12	-44 56 11.01	0.023	12	0.66	41.442	36	03.7	12.07	36	03.7	K0	CZ	20270	P -4510386
29	10.2E	9.0Z	2 45.426	-0.0004	12	-45 59 37.26	-0.014	12	0.66	45.443	36	03.7	36.60	36	03.7	K0	CZ	20272	P -4610493
30	9.5E	8.0Z	2 46.949	0.0284	12	-48 8 28.45	-0.143	12	0.70	45.664	45	04.7	21.95	45	04.7	G5	CZ	20271	P -4810852
31	10.2E	9.0*	2 53.200	0.0009	12	-40 51 17.38	-0.004	12	0.64	53.156	26	00.6	17.18	24	00.6	K2	CZ	20274	P -41 9864
32		7.3T	2 54.071	-0.0017	16	-43 20 55.18	0.004	13	0.77	54.154	18	00.7	55.41	17	97.8	K0	GC	32166	C*-4315260
33	11.1E	9.8*	3 4.221	0.0031	12	-47 34 29.17	0.016	12	0.63	4.075	28	02.5	29.92	26	02.5		CZ	20275	P -47 9941
34	9.6E	8.5Z	3 4.404	0.0014	12	-46 9 54.43	0.022	12	0.63	4.335	28	02.5	55.46	26	02.5	F0	CZ	20276	P -4610494
35	10.2E	9.5Z	3 7.655	0.0064	12	-43 12 48.97	0.009	12	0.65	7.364	36	04.8	49.38	36	04.8	F8	CZ	20278	P -43 9698
36	10.9E	9.3*	3 22.618	0.0008	12	-46 47 14.00	-0.018	12	0.63	22.581	28	02.5	13.14	26	02.5	G5	CZ	20281	P -47 9942
37	11.0E	10.0*	3 23.288	-0.0012	12	-48 28 14.59	-0.011	12	0.63	23.346	31	03.1	14.08	28	03.1	G5	CZ	20280	P -4810853
38	9.6E	8.7*	3 26.639	0.0072	12	-44 49 48.01	0.026	12	0.63	26.297	28	02.4	49.25	26	02.4	G0	CZ	20282	P -4510389
39	8.9E	7.5Z	3 30.692	-0.0029	12	-48 3 21.27	0.008	12	0.63	30.630	31	03.0	21.63	28	03.0	K0	CZ	20283D	P*-4810854
40	10.3E	9.7M	3 40.916	0.0014	12	-49 30 8.22	-0.003	12	0.63	40.852	31	03.0	8.08	28	03.0	F8	CZ	20284	P -4911699
41	9.2E	8.5Z	3 46.654	-0.0001	12	-48 10 51.02	0.005	12	0.70	46.659	45	04.7	51.23	45	04.7	A2	CZ	20285	P -4810855
42	9.6E	9.0Z	3 50.021	0.0015	12	-40 33 52.05	-0.010	12	0.66	49.945	28	99.3	51.55	26	99.3	F8	CZ	20287	P -40 9770
43		8.1T	3 50.489	-0.0053	16	-43 46 25.78	-0.007	13	0.75	50.741	18	02.1	25.43	21	98.9	G0	GC	32180	C -4415146
44		4.4H	4 4.199	-0.0038	04	-43 47 27.20	-0.018	04	0.21	4.379	07	02.0	26.31	06	01.6	F5 J	F3	872	
45		6.3T	4 17.123	0.0018	13	-49 52 37.78	-0.009	08	0.58	17.034	19	00.5	37.27	17	92.1	K0	GC	32189	C -5013885
46	8.8E	8.2Z	4 21.770	0.0025	12	-46 6 46.60	-0.029	12	0.71	21.653	45	03.7	45.24	45	03.7	K0	CZ	20293	P -4610498
47	10.1E	9.0Z	4 34.084	-0.0043	12	-45 45 47.73	-0.026	12	0.71	34.282	45	03.7	46.51	45	03.7	G5	CZ	20294	P -4610499
48	9.9E	8.5Z	4 39.364	0.0014	12	-43 14 40.09	0.001	12	0.69	39.303	45	05.8	40.12	45	05.8	MA	CZ	20295	P -43 9701
49	9.9E	8.5Z	4 46.133	-0.0006	12	-44 11 27.88	0.020	12	0.64	46.162	31	02.6	28.82	28	02.6	G0	CZ	20296	P -4410300
50	9.6E	9.5Z	5 24.106	0.0016	12	-40 41 50.98	-0.013	12	0.83	24.030	63	01.9	50.36	57	01.9	F5	CZ	20298	P -41 9868
51	9.9E	9.5Z	23 5 24.373	-0.0003	12	-48 6 50.13	-0.058	12	0.70	24.388	45	04.7	47.48	45	04.7	G5	CZ	20297	P -4810857
52	10.4E	9.3*	5 48.416	0.0025	12	-49 16 56.31	-0.030	12	0.64	48.297	31	03.0	54.89	28	03.0	K2	CZ	20299	P -4911702
53	10.8E	9.2H	5 49.903	0.0019	12	-44 28 27.44	0.012	12	0.70	49.817	45	04.7	27.98	45	04.7	K0	CZ	20300	P -4410303
54	10.6E	9.5Z	5 56.754	0.0054	12	-43 25 4.05	-0.027	12	0.62	56.500	28	02.8	2.77	26	02.8	F5	CZ	20302	P -43 9705
55	10.7E	9.4Z	5 59.809	0.0114	12	-42 5 26.72	0.046	12	0.64	59.253	28	01.2	28.95	26	01.2	G5	CZ	20303	P -42 9529
56	9.3E	8.8Z	6 1.917	0.0130	12	-42 43 10.66	-0.184	12	0.71	1.308	45	03.3	2.06	45	03.3	K0	CZ	20304	P -43 9706
57	10.2E	8.5Z	6 3.437	-0.0019	12	-40 32 4.27	-0.019	12	0.83	3.529	63	01.9	3.36	57	01.9	K2	CZ	20306	P -40 9776
58	8.4E	7.5Z	6 14.439	0.0038	12	-45 46 58.94	-0.016	12	0.65	14.255	31	02.0	58.16	28	02.0	K0	CZ	20309	P -4610500
59	10.7E	9.3*	6 14.882	0.0045	12	-46 59 49.02	0.022	12	0.65	14.668	31	02.1	50.06	28	02.1	K5	CZ	20308	P -47 9946
60	9.0E	9.5Z	6 29.115	0.0089	12	-41 15 44.76	0.014	12	0.65	28.671	28	00.2	45.44	26	00.2	G5	CZ	20310	P -41 9872
61	8.8E	8.0Z	6 35.191	0.0085	12	-48 1 55.14	-0.025	12	0.63	34.793	31	03.0	53.95	28	03.0	F5	CZ	20311	P -4810860
62	9.7E	9.2Z	6 52.260	0.0031	12	-47 18 22.94	0.035	12	0.71	52.119	45	03.8	24.55	45	03.8	F8	CZ	20312	P -47 9948
63	9.4E	9.5Z	7 7.574	0.0080	12	-40 20 34.55	-0.058	12	0.83	7.190	63	01.9	31.76	57	01.9	F8	CZ	20313	P -40 9779
64		5.8T	7 11.176	-0.0299	06	-43 7 54.92	-0.002	06	0.26	12.370	10	10.1	54.85	10	06.0	F8	GC	32260	C -4315281
65		6.0T	7 23.138	0.0029	06	-40 51 44.85	-0.042	06	0.25	23.025	10	10.7	43.00	10	06.5	MB	GC	32264	C -4115163
66	10.4E	9.5*	7 29.022	0.0011	12	-41 51 0.76	-0.011	12	0.63	28.968	26	01.3	0.20	24	01.3	G0	CZ	20316	P -42 9533
67		7.7T	7 31.565	0.0016	15	-43 1 29.93	0.023	11	0.68	31.489	18	02.7	31.14	21	98.0	G5	GC	32269	C -4315284
68		4.1H	7 32.182	0.0130	02	-45 31 4.35	-0.021	02	0.10	31.706	06	13.5	3.57	05	13.1	K0	F4	1605	C -4514947
69		9.0T	7 34.967	0.0116	22	-42 38 9.61	-0.048	22	1.08	34.429	19	03.6	7.31	19	01.9	G0	GC	32271	C -4315285
70		7.6T	7 37.630	0.0031	15	-40 18 16.59	-0.012	12	0.70	37.479	15	00.4	15.98	15	97.3	K0	GC	32274	C -4015054
71	10.5E	9.1Z	7 48.537	0.0235	12	-45 43 35.55	-0.149	12	0.66	47.448	36	03.7	28.65	36	03.7	K0	CZ	20324	P -4610502
72	10.9E	9.7*	7 54.282	0.0022	12	-49 27 37.19	0.003	12	0.64	54.177	31	03.0	37.32	28	03.0	F5	CZ	20325	P -4911707
73	10.9E	9.2Z	7 56.448	-0.0031	12	-47 23 41.29	-0.030	12	0.65	56.597	28	02.5	39.85	26	02.5		CZ	20326	P -47 9951
74	10.6E	9.0Z	8 8.560	-0.0020	12	-45 56 3.12	-0.009	12	0.66	8.651	36	03.7	2.69	36	03.7	K2	CZ	20328	P -4610503
75	10.6E	9.3*	8 12.002	-0.0040	12	-43 55 9.31	0.016	12	0.62	12.189	28	03.5	10.04	26	03.5	F8	CZ	20329	P -4410305
76	10.7E	9.5Z	8 24.222	0.0026	12	-47 53 35.16	0.001	12	0.62	24.101	28	03.2	35.19	26	03.2	K0	CZ	20330	P -4810861
77	9.9E	8.5Z	8 33.399	-0.0002	12	-45 53 49.02	-0.015	12	0.65	33.408	31	02.0	48.28	28	02.0	G5	CZ	20331	P -4610505
78		8.6T	8 33.824	0.0042	17	-43 14 57.85	0.000	12	0.77	33.619	18	01.2	57.87	17	97.3	MB	GC	32298K	C*-4315290
79	10.2E	9.8Z	8 37.491	0.0026	12	-41 26 40.77	-0.002	12	0.65	37.360	28	99.8	40.65	26	99.8	K0	CZ	20333	P -41 9877
80	9.6E	8.5Z	8 45.014	-0.0018	12	-46 6 13.42	-0.020	12	0.71	45.096	45	03.7	12.48	45	03.7	K0	CZ	20334	P -4610506
81	10.7E	9.7Z	8 48.668	0.0067	12	-44 34 25.44	-0.009	12	0.70	48.385	45	04.7	25.03	45	04.7	G0	CZ	20335	P -4410306
82	10.2E	9.8*	8 53.328	0.0034	12	-48 34 29.95	-0.005	12	0.62	53.169	28	03.2	29.72	26	03.2	F5	CZ	20336	P -4810863
83	10.6E	9.2Z	8 55.161	-0.0008	12	-46 10 32.25	0.006	12	0.71	55.196	45	03.7	32.51	45	03.7	F2	CZ	20337	P -4610507
84	8.4E	7.9*	9 2.874	0.0052	12	-44 59 48.18	-0.056	12	0.65	2.626	31	02.0	45.50	28	02.0	F8	CZ	20338	P -4510395
85	9.7E	8.5Z	9 3.347	0.0080	12	-45 24 24.84	-0.083	12	0.71	2.976	45	03.7	20.98	45	03.7	G5	CZ	20339	P -4510396
86	8.2E	7.3H	9 15.359	0.0003	12	-44 15 35.63	0.033	12	0.64	15.345	31	02.7	37.19	28	02.7	K0	CZ	20340	P -4410307
87	9.8E	8.5Z	9 56.402	0.0001	12	-45 44 27.19	-0.021	12	0.71	56.396	45	03.7	26.20	45	03.7	K0	CZ	20341	P -4610510
88	11.3E	9.8*	10 3.437	-0.0021	12	-46 19 13.42	-0.023	12	0.65	3.535	31	02.1	12.31	28	02.1	G0	CZ	20342	P -4610511
89	9.6E	9.0Z	10 6.165	-0.0004	12	-40 3 0.57	0.013	12	0.83	6.185	63	01.9	1.58	57	01.9	G0	CZ	20345	P -40 9795
90	11.0E	9.5Z	10 7.252	0.0017	12	-44 43 35.34	0.039	12	0.82	7.174	63	03.7	37.14	57	03.7	G0	CZ	20344	P -4510401
91	10.2E	9.0Z	10 11.796	0.0030	12	-47 10 36.20	0.004	12	0.71	11.660	45	03.8	36.37	45	03.8	G5	CZ	20346	P -47 9955
92	9.8E	8.0Z	10 12.033	0.0014	12	-44 19 59.88	0.035	12	0.70	11.971	45	04.7	+ 1.46	45	04.7	K2	CZ	20347	P -4410308
93		6.6T	10 24.759	0.0002	12	-49 53 27.66	-0.013	09	0.59	24.749	19	99.6	26.94	17	93.7	G5	GC	32318K	C*-5013915
94	10.0E	9.0Z	10 35.290	0.0013	12	-43 3 24.73	-0.014	12	0.62	35.227	28	02.9	24.07	26	02.9	K0	CZ	20349	P -43 9718
95	9.7E	8.0Z	10 43.241	0.0002	12	-45 55 3.40	-0.029	12	0.71	43.231	45	03.7	2.05	45	03.7	K2	CZ	20353	P -4610512
96	11.0E	9.5*	10 43.530	-0.0022	12	-45 20 30.10	-0.009	12	0.65	43.634	31	02.0	29.65	28	02.0	F8	CZ	20354	P -4510403
97	10.7E	9.5Z	10 43.747	0.0026	12	-47 4 33.96	-0.017	12	0.71	43.629	45	03.8	33.16	45	03.8	G5	CZ	20351	P -47 9957
98		8.1T	10 44.084	0.0027	18	-49 4 21.39	0.021	18	0.86	43.960	24	04.7	22.36	24	04.8	K0	GC	32325	C -4914089
99	10.8E	9.8*	10 44.105	-0.0008	12	-47 54 44.92	0.002	12	0.63	44.143	31	03.0	44.99	28	03.0		CZ	20352	P -4810864
00		8.1T	10 45.860	0.0002	15	-41 12 29.04	-0.002	11	0.70	45.851	22	01.9	28.96	21	96.7	F0	GC	32326K	C*-4115185

-40°
22H

231500 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.4T	23 10 47.330	0.0041	17	-49 25 0.37	-0.019	13	0.77	47.133	18	02.2	-59.42	21	98.7	K2	GC	32327	C -4914090
2	10.2E	8.9Z	11 24.432	-0.0020	12	-41 59 12.18	-0.020	12	0.71	24.525	45	03.3	11.23	45	03.3	K0	CZ	20360	P -42 9539
3	9.9E	9.5Z	11 41.545	-0.0046	12	-41 27 13.78	-0.072	12	0.73	41.768	45	01.3	10.26	45	01.3	F8	CZ	20361	P -41 9887
4	9.1E	9.0Z	11 50.820	0.0107	12	-40 42 57.35	-0.217	12	0.83	50.305	63	01.9	46.92	57	01.9	G5	CZ	20363	P -41 9891
5	9.0E	8.1Z	11 52.738	0.0022	12	-48 51 1.87	-0.019	12	0.70	52.638	45	04.6	1.02	45	04.6	F8	CZ	20362	P -4911713
6	9.7E	9.0Z	11 55.729	0.0034	12	-44 0 59.70	-0.031	12	0.64	55.569	31	02.6	58.22	28	02.6	F8	CZ	20365	P -4410311
7		8.5T	11 58.063	-0.0037	17	-49 16 8.15	0.001	13	0.77	58.238	19	02.4	8.23	18	99.2	F2	GC	32351	C -4914097
8	10.1E	9.4Z	12 3.703	0.0022	12	-41 5 25.06	0.003	12	0.73	3.596	45	01.3	25.21	45	01.3	F8	CZ	20366	P -41 9892
9	9.1E	8.8Z	12 10.833	0.0021	12	-43 0 23.21	0.001	12	0.69	10.738	45	05.8	23.25	45	05.8	F2	CZ	20368	P -43 9720
10	10.0E	9.2Z	12 11.505	0.0032	12	-40 13 59.95	0.011	12	0.83	11.352	63	01.9	+ 0.49	57	01.9	F0	CZ	20371	P -40 9801
11	10.9E	9.0Z	12 12.554	0.0015	12	-43 34 18.46	-0.007	12	0.69	12.489	45	05.8	18.14	45	05.8	K0	CZ	20369	P -43 9721
12		5.8T	12 12.575	0.0100	06	-41 22 36.01	-0.112	05	0.27	12.140	09	06.4	30.80	09	03.7	K0	GC	32357	C -4115197
13	10.1E	8.5Z	12 14.393	-0.0004	12	-47 11 17.37	0.008	12	0.66	14.413	36	03.8	17.73	36	03.8	K5	CZ	20370	P -47 9961
14	10.0E	9.0Z	12 26.659	0.0002	12	-42 13 41.11	-0.006	12	0.63	26.648	26	01.6	40.81	24	01.6	K2	CZ	20374	P -42 9544
15	10.1E	9.5*	12 27.525	0.0016	12	-40 19 35.39	-0.007	12	0.65	27.446	28	99.8	35.05	26	99.8	A2	CZ	20376	P -40 9803
16	9.8E	9.0Z	12 28.779	0.0026	12	-43 32 10.64	-0.041	12	0.61	28.658	26	03.0	8.70	24	03.0	F5	CZ	20375	P -43 9722
17	10.4E	9.5Z	12 34.435	0.0061	12	-47 20 5.41	0.023	12	0.66	34.156	36	03.8	6.46	36	03.8	G5	CZ	20377	P -47 9962
18	8.5E	7.8Z	12 41.301	-0.0026	12	-43 52 34.35	-0.093	12	0.65	41.421	36	04.4	30.10	36	04.4	F8	CZ	20378	P -4410313
19	10.1E	9.0Z	12 46.510	0.0020	12	-48 49 14.22	-0.037	12	0.63	46.416	31	03.0	12.49	28	03.0	K0	CZ	20379	P -4911716
20	10.6E	9.0Z	12 55.124	0.0045	12	-42 57 48.84	-0.012	12	0.61	54.910	26	03.1	48.27	24	03.1	F8	CZ	20381	P -43 9723
21	10.1E	8.5Z	13 1.041	0.0016	12	-42 51 38.02	-0.034	12	0.65	0.966	36	04.8	36.48	36	04.8	K0	CZ	20382	P -43 9724
22	9.7E	9.5Z	13 16.668	0.0037	12	-40 38 51.09	0.014	12	0.66	16.482	28	99.6	51.80	26	99.6	A5	CZ	20384	P -41 9895
23	10.7E	9.8Z	13 23.054	0.0015	12	-46 42 24.73	-0.029	12	0.66	22.986	36	03.7	23.37	36	03.7	G0	CZ	20385	P -47 9964
24	9.8E	8.5Z	13 24.217	-0.0007	12	-46 53 3.42	0.001	12	0.63	24.252	28	02.4	3.45	26	02.4	K2	CZ	20386	P -47 9965
25	9.9E	8.8*	13 24.896	0.0027	12	-46 18 57.43	-0.031	12	0.63	24.766	28	02.5	55.95	26	02.5	K0	CZ	20387	P -4610515
26		9.6T	13 28.848	0.0433	17	-44 49 27.03	0.109	14	0.60	27.262	17	13.4	31.15	17	12.3	K2	GC	32379	C -4514980
27		8.7T	13 32.672	0.0067	15	-40 56 8.27	0.036	13	0.75	32.338	18	99.9	10.17	17	98.0	K0	GC	32382	C -4115201
28	10.3E	8.9Z	13 34.774	0.0025	12	-41 13 23.20	-0.006	12	0.73	34.653	45	01.3	22.92	45	01.3	K2	CZ	20391	P -41 9897
29	9.7E	8.6Z	13 36.312	-0.0009	12	-46 8 52.19	-0.020	12	0.71	36.352	45	03.7	51.25	45	03.7	G5	CZ	20390	P -4610516
30	9.9E	9.1Z	13 39.659	0.0009	12	-45 39 1.70	-0.019	12	0.71	39.616	45	03.7	0.80	45	03.7	F5	CZ	20392	P -4610518
31	10.9E	8.5Z	13 48.576	0.0010	12	-42 28 50.02	-0.001	12	0.65	48.524	28	00.5	49.97	26	00.5	K5	CZ	20393	P -42 9549
32		5.9T	13 53.148	-0.0005	12	-44 45 43.79	-0.002	09	0.61	53.171	21	99.0	43.69	19	92,2	K0	GC	32392K	C -4514982
33		6.5T	14 4.793	-0.0023	12	-41 28 4.32	0.017	09	0.58	4.912	15	98.9	5.29	15	94.5	K0	GC	32397	C -4115205
34	9.7E	8.2Z	14 6.778	0.0102	12	-47 28 35.05	0.082	12	0.64	6.291	31	02.1	38.96	28	02.1	G0	CZ	20395	P -47 9966
35		9.6T	14 20.726	0.0142	26	-45 56 50.49	-0.186	22	1.12	20.080	21	04.5	41.90	19	03.8	G5	CZ	32405	C -4614601
36	8.5E	8.0Z	14 42.659	0.0025	12	-45 30 22.14	0.055	12	0.65	42.538	31	01.9	24.77	28	01.9	G0	CZ	20399	P -4510410
37	9.1E	8.2Z	14 43.092	-0.0007	12	-40 8 31.62	-0.034	12	0.66	43.128	28	99.3	29.90	26	99.3	F0	CZ	20400	P -40 9807
38		7.3T	15 12.722	-0.0001	16	-48 23 12.77	-0.025	12	0.74	12.725	17	01.4	11.47	18	97.7	F2	GC	32425	C*-4814466
39		5.5T	15 24.684	0.0118	07	-41 5 46.60	-0.124	06	0.29	24.208	12	09.6	41.01	12	05.1	F0	GC	32431	C*-4115211
40	10.9E	9.8*	15 47.447	0.0024	12	-49 14 32.14	0.010	12	0.63	47.333	31	03.0	32.60	28	03.0	F8	CZ	20403	P -4911719
41	10.1E	9.4Z	15 50.157	0.0013	12	-41 4 27.22	0.010	12	0.73	50.093	45	01.3	27.71	45	01.3	A3	CZ	20404	P -41 9907
42		6.7T	15 58.614	0.0012	07	-47 42 31.91	0.010	06	0.33	58.560	14	06.0	32.39	12	02.4	A0	GC	32446	C -4814472
43	10.0E	8.5Z	16 7.110	-0.0007	12	-46 26 10.00	0.010	12	0.71	7.140	45	03.7	10.45	45	03.7	K0	CZ	20407	P -4610524
44	11.4E	9.9*	16 12.484	0.0010	12	-44 28 26.93	-0.016	12	0.64	12.438	31	02.7	26.17	28	02.7		CZ	20408	P -4410315
45	10.6E	9.5Z	16 18.154	0.0026	12	-43 26 58.41	0.039	12	0.70	18.037	45	04.3	+ 0.18	45	04.3	F8	CZ	20409	P -43 9729
46	9.5E	9.3Z	16 19.273	0.0013	12	-40 44 44.84	0.001	12	0.73	19.210	45	01.3	44.90	45	01.3	A3	CZ	20412	P -41 9912
47	9.7E	9.5Z	16 36.910	0.0083	12	-40 39 3.14	0.000	12	0.83	36.511	63	01.9	3.15	57	01.9	G0	CZ	20416	P -41 9913
48	10.6E	8.8Z	16 37.165	-0.0001	12	-47 2 29.25	0.008	12	0.65	37.171	31	02.0	29.62	28	02.0	G5	CZ	20415	P -47 9970
49	9.1E	7.8Z	16 55.946	0.0008	12	-46 35 44.90	0.010	12	0.62	55.909	26	02.5	45.36	24	02.5	G5	CZ	20417	P -47 9972
50		7.5T	16 57.788	0.0028	14	-41 21 26.01	0.000	12	0.71	57.646	18	99.0	26.04	15	95.5	A5	GC	32470	C -4115222
51		8.2T	23 17 2.784	0.0122	17	-42 14 11.83	-0.047	14	0.79	2.214	22	03.2	9.44	21	99.2	G0	GC	32474	C -4216277
52	10.5E	9.4Z	17 8.860	0.0016	12	-47 26 14.09	-0.023	12	0.66	8.787	36	03.8	13.01	36	03.8	F8	CZ	20420	P -47 9973
53		6.8T	17 12.656	0.0007	10	-47 48 50.85	0.014	07	0.40	12.626	15	08.6	51.49	14	04.0	K0	GC	32477	C -4814474
54	10.2E	9.3*	17 28.974	0.0006	12	-42 3 36.84	0.002	12	0.64	28.944	26	00.4	36.92	24	00.4	A5	CZ	20422	P -42 9559
55		7.9T	17 39.929	0.0056	15	-43 25 23.85	-0.025	13	0.73	39.649	15	00.0	22.55	17	97.5	K0	GC	32488	C -4315340
56	8.2E	8.0*	17 45.046	0.0001	12	-40 15 59.89	0.006	12	0.65	45.041	28	99.8	+ 0.19	26	99.8	A2	CZ	20425	P -40 9818
57	10.7E	9.0Z	18 0.151	0.0117	12	-44 7 12.32	-0.003	12	0.63	-59.598	28	02.7	12.17	26	02.7	G0	CZ	20428	P -4410316
58	10.0E	8.5Z	18 1.674	0.0010	12	-46 46 23.15	0.013	12	0.66	1.629	36	03.8	23.74	36	03.8	K0	CZ	20429	P -47 9975
59	10.5E	9.2*	18 5.337	-0.0090	12	-48 41 28.99	-0.183	12	0.62	5.758	28	03.2	20.44	26	03.2	G5	CZ	20430	P -4911720
60	9.4E	8.3Z	18 8.057	0.0022	12	-41 13 45.16	0.011	12	0.65	7.946	28	99.9	45.68	26	99.9	K5	CZ	20431	P -41 9918
61	10.9E	9.5*	18 21.572	0.0057	12	-46 23 11.01	0.029	12	0.63	21.299	28	02.5	12.38	26	02.5	G0	CZ	20432	P -4610530
62		7.9T	18 42.913	0.0061	16	-45 11 2.01	-0.036	12	0.71	42.623	19	02.5	0.20	19	99.7	K2	GC	32512	C -4515004
63	9.3E	8.5Z	18 56.592	0.0079	12	-41 25 4.30	0.003	12	0.65	56.195	28	99.8	4.43	26	99.8	G5	CZ	20434	P -41 9919
64	9.9E	9.2H	19 6.108	0.0037	12	-44 28 40.54	0.011	12	0.65	5.931	31	01.7	41.07	28	01.7	F8	CZ	20435	P -4410317
65	9.5E	9.0Z	19 6.847	0.0016	12	-43 6 45.36	0.008	12	0.72	6.769	45	02.8	45.73	45	02.8	F0	CZ	20436	P -43 9734
66	8.6E	8.0Z	19 16.108	0.0055	12	-47 9 30.51	0.003	12	0.64	15.846	31	02.1	30.64	28	02.1	F5	CZ	20437	P -47 9978
67	10.0E	9.7Z	19 19.712	0.0009	12	-41 28 36.17	-0.011	12	0.73	19.668	45	01.3	35.61	45	01.3	A0	CZ	20438	P -41 9920
68	11.1E	9.3*	19 27.914	-0.0000	12	-49 59 37.96	0.004	12	0.63	27.915	31	03.0	38.14	28	03.0	K2	CZ	20439	P -5011805
69		7.4T	19 29.632	0.0003	15	-43 27 41.37	0.023	13	0.74	29.617	18	00.6	42.60	19	97.2	K0	GC	32523	C -4315352
70	10.0E	8.7Z	19 29.785	0.0020	12	-40 47 28.12	-0.038	12	0.73	29.688	45	01.3	26.27	45	01.3	K2	CZ	20441	P -41 9922
71	10.1E	8.5Z	19 39.385	0.0122	12	-46 51 57.01	-0.101	12	0.71	38.823	45	03.8	52.33	45	03.8	G5	CZ	20442	P -47 9980
72		9.6T	19 44.962	0.0110	14	-43 38 9.76	-0.039	13	0.71	44.435	24	02.3	7.79	22	99.4	F5	GC	32528	C -4415218
73	9.8E	8.7Z	19 45.056	0.0011	12	-47 47 42.19	-0.011	12	0.70	45.007	45	04.7	41.68	45	04.7	MA	CZ	20443	P -4810875
74	10.3E	9.3*	19 51.304	0.0051	12	-48 22 8.34	-0.175	12	0.63	51.067	31	03.0	0.12	28	03.0	G0	CZ	20445	P -4810876
75	9.7E	9.0H	19 56.996	0.0141	12	-49 37 34.37	0.015	12	0.63	56.335	31	03.0	35.06	28	03.0	F5	CZ	20446	P -5011807
76	9.0E	9.0Z	19 59.251	-0.0026	12	-40 18 3.62	-0.055	12	0.83	59.377	63	01.9	0.98	57	01.9	F5	CZ	20447	P -40 9826
77	10.7E	9.2H	20 14.699	0.0014	12	-44 25 25.72	0.003	12	0.71	14.635	45	03.2	25.86	45	03.2	MA	CZ	20449	P -4410319
78	10.3E	9.2Z	20 23.678	-0.0038	12	-43 7 13.19	-0.048	12	0.72	23.855	45	02.8	10.92	45	02.8	A2	CZ	20450	P -43 9737
79	9.3E	9.0Z	20 24.447	0.0109	12	-40 11 35.79	-0.048	12	0.66	23.897	28	99.4	33.37	26	99.4	G5	CZ	20451	P -40 9829
80	9.9E	8.5Z	20 25.876	0.0041	12	-44 22 54.22	0.030	12	0.71	25.685	45	03.2	55.61	45	03.2	G0	CZ	20452	P -4410320
81	10.2E	9.0Z	20 26.638	-0.0021	12	-46 48 25.51	-0.031	12	0.65	26.740	31	02.1	24.01	28	02.1	G0	CZ	20453	P -47 9983
82	11.2E	9.5*	20 28.853	-0.0006	12	-45 53 43.14	0.005	12	0.65	28.880	31	02.1	43.37	28	02.1	K0	CZ	20454	P -4610532
83		7.2T	20 34.835	-0.0010	12	-41 52 33.26	0.022	08	0.57	34.889	15	97.1	34.52	14	93.0	F0	GC	32546	C -4216300
84	10.5E	9.4Z	20 38.036	0.0017	12	-47 13 18.08	0.004	12	0.71	37.959	45	03.8	18.25	45	03.8	G0	CZ	20456	P -47 9984
85	11.6E	9.8*	20 38.093	0.0011	12	-46 19 3.75	-0.008	12	0.65	38.038	31	02.1	3.36	28	02.1		CZ	20457	P -4610533
86	10.1E	8.0Z	20 50.346	-0.0012	12	-43 53 57.30	0.013	12	0.71	50.403	45	03.2	57.90	45	03.2	K2	CZ	20458	P -4410322
87		6.1T	21 1.251	0.0012	08	-43 23 57.41	0.015	06	0.35	1.198	14	05.5	58.17	14	00.3	K0	GC	32548	C -4315360
88	9.7E	9.2Z	21 10.038	0.0010	12	-42 50 7.23	-0.051	12	0.64	9.987	28	01.1	4.73	26	01.1	G0	CZ	20460	P -43 9739
89	10.9E	8.8Z	21 13.119	-0.0000	12	-48 14 7.27	0.004	12	0.63	13.121	31	03.0	7.46	28	03.0	MA	CZ	20461	P -4810879
90		7.4T	21 14.619	0.0009	16	-43 52 29.10	0.016	16	0.80	14.573	19	01.8	29.88	19	01.4	K0	GC	32555	C -4415225
91	10.4E	9.8Z	21 37.257	0.0052	12	-42 50 37.03	-0.037	12	0.72	37.010	45	02.8	35.28	45	02.8		CZ	20465	P -43 9741
92	10.9E	9.6*	21 41.035	-0.0005	12	-40 57 20.32	0.003	12	0.65	41.060	28	00.0	20.48	26	00.0		CZ	20468	P -41 9928
93	9.6E	8.5Z	21 41.261	-0.0047	12	-45 25 40.48	-0.061	12	0.65	41.485	31	02.0	37.54	28	02.0	G5	CZ	20466	P -4510418
94	10.1E	8.7Z	21 43.684	-0.0007	12	-49 37 21.17	-0.011	12	0.69	43.716	45	05.7	20.67	45	05.7	K0	CZ	20467	P -5011813
95	10.2E	8.8Z	21 55.690	0.0004	12	-42 31 35.61	-0.009	12	0.65	55.668	28	00.2	35.16	26	00.2	F5	CZ	20469	P -42 9567
96	9.5E	9.0Z	22 1.910	0.0087	12	-40 41 28.59	-0.220	12	0.83	1.492	63	01.9	18.02	57	01.9	F8	CZ	20470	P -41 9931
97	11.3E	10.0*	22 15.033	0.0007	12	-44 35 25.27	0.016	12	0.64	15.000	31	02.2	26.03	28	02.2		CZ	20471	P -4510421
98	10.0E	9.0Z	22 21.638	0.0028	12	-45 22 14.50	0.018	12	0.66	21.508	36	03.7	15.33	36	03.7	F8	CZ	20472	P -4510422
99	11.2E	9.8*	22 29.620	0.0075	12	-47 16 22.56	-0.039	12	0.63	29.266	28	02.5	20.69	26	02.5		CZ	20473	P -47 9987
00		8.7T	22 31.454	-0.0041	22	-44 7 56.10	0.021	20	1.00	31.640	21	04.0	57.08	19	03.5	K2	GC	32580	C -4415232

231600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 23H DM NUMBER
1	10.4E	9.0Z	23 22 39.653	-0.0014	12	-49 10 7.94	0.005	12	0.63	39.717	31	03.7	8.17	28	03.7	A0	CZ	20475	P -4911731
2	10.6E	9.2*	22 40.419	-0.0013	12	-40 19 11.08	-0.132	12	0.65	40.484	28	00.4	4.54	26	00.4		CZ	20478	P -40 9832
3	9.5E	9.2Z	22 41.054	-0.0035	12	-48 28 40.63	-0.015	12	0.70	41.215	45	04.7	39.95	45	04.7	G0	CZ	20476	P -4810882
4	10.5E	9.2Z	22 41.275	0.0037	12	-45 41 48.87	-0.049	12	0.66	41.103	36	03.7	46.59	36	03.7	K0	CZ	20477	P -4610536
5		8.5T	22 57.084	0.0020	17	-43 10 28.60	-0.025	12	0.77	56.985	18	00.8	27.29	17	97.5	F5	GC	32588K	C*-4315369
6	10.8E	9.5*	23 30.610	0.0080	12	-45 51 42.18	0.030	12	0.65	30.225	31	02.1	43.60	28	02.1	G0	CZ	20482	P -4610538
7	10.1E	9.0Z	23 46.646	0.0161	12	-46 25 12.82	0.038	12	0.65	45.872	31	02.1	14.63	28	02.1	F8	CZ	20483	P -4610539
8	9.5E	8.5Z	23 52.889	0.0006	12	-40 17 46.85	-0.029	12	0.83	52.861	63	01.9	45.46	57	01.9	K5	CZ	20486	P -40 9836
9	10.1E	9.0Z	23 52.980	0.0026	12	-48 36 45.68	-0.011	12	0.70	52.862	45	04.7	45.18	45	04.7	F8	CZ	20484	P -4911734
10	10.1E	8.8Z	23 53.243	0.0016	12	-48 24 32.51	-0.014	12	0.70	53.173	45	04.7	31.88	45	04.7	G0	CZ	20485	P -4810883
11	9.2E	8.3Z	23 58.616	0.0006	12	-48 28 20.30	0.011	12	0.63	58.590	31	03.0	20.82	28	03.0	F5	CZ	20487	P -4810884
12	10.6E	9.0Z	24 2.058	-0.0001	12	-40 43 33.90	-0.005	12	0.66	2.063	28	99.4	33.66	26	99.4	K2	CZ	20489	P -41 9935
13	9.8E	8.7Z	24 10.878	0.0000	12	-43 4 58.16	-0.017	12	0.65	10.876	28	00.6	57.31	26	00.6	A2	CZ	20490	P -43 9745
14	9.2E	8.8Z	24 53.776	0.0050	12	-40 31 31.66	-0.125	12	0.83	53.535	63	01.9	25.65	57	01.9	G5	CZ	20494	P -40 9839
15	9.6E	8.5Z	25 9.225	0.0028	12	-43 58 43.15	0.021	12	0.65	9.090	31	01.7	44.15	28	01.7	A0	CZ	20496	P -4410326
16	10.2E	8.9Z	25 12.633	0.0225	12	-41 51 4.19	-0.064	12	0.66	11.503	28	99.8	0.96	26	99.8	F8	CZ	20497	P -42 9575
17	10.0E	9.2H	25 31.789	0.0002	12	-44 43 55.64	-0.302	12	0.71	31.781	45	03.7	41.67	45	03.7	K0	CZ	20498	P -4510426
18	8.7E	8.0Z	25 47.015	-0.0008	12	-46 59 22.47	-0.007	12	0.64	47.055	31	02.1	22.12	28	02.1	F0	CZ	20499	P -47 9994
19	10.0E	8.8Z	25 56.297	0.0056	12	-43 57 52.46	-0.189	12	0.71	56.036	45	03.2	43.61	45	03.2	G5	CZ	20500	P -4410327
20	9.8E	8.8Z	26 9.462	-0.0015	12	-44 2 46.55	0.026	12	0.71	9.532	45	03.2	47.76	45	03.2	F8	CZ	20501	P -4410328
21	10.2E	9.0Z	26 13.345	0.0069	12	-41 19 51.49	-0.068	12	0.65	12.999	28	99.8	48.06	26	99.8	G5	CZ	20502	P -41 9937
22		6.5T	26 17.558	0.0033	08	-44 46 24.35	-0.006	06	0.35	17.409	15	05.5	24.06	12	99.7	K0	GC	32660	C*-4515043
23	10.0E	8.5Z	26 20.885	-0.0023	12	-46 59 54.74	-0.000	12	0.71	20.993	45	03.8	54.73	45	03.8	G5	CZ	20505	P -47 9996
24	11.2E	9.7*	26 27.542	0.0018	12	-49 56 32.77	0.012	12	0.63	27.460	31	03.7	33.32	28	03.7	G0	CZ	20506	P -5011823
25	8.3E	8.0Z	26 41.253	0.0002	12	-48 40 32.78	0.008	12	0.61	41.244	26	03.6	33.16	24	03.6	A0	CZ	20507	P -4911740
26	9.4E	8.7*	26 54.429	-0.0027	12	-40 17 38.74	-0.013	12	0.66	54.565	28	99.8	38.09	26	99.8	G5	CZ	20509	P -40 9844
27	10.7E	9.6*	26 58.842	-0.0028	12	-45 55 53.30	-0.017	12	0.62	58.971	28	03.5	52.50	26	03.5	F8	CZ	20510	P -4610542
28	11.5E	9.9*	27 1.313	0.0019	12	-49 13 2.35	-0.011	12	0.64	1.224	31	03.5	1.84	31	03.5		CZ	20511	P -4911742
29	10.2E	9.5Z	27 4.236	0.0075	12	-40 29 14.78	-0.054	12	0.83	3.876	63	01.9	12.18	57	01.9	G5	CZ	20512	P -40 9845
30		8.0T	27 6.512	0.0030	20	-46 10 8.71	-0.118	20	0.95	6.371	19	02.8	3.05	19	02.0	F5	GC	32677	C -4614673
31	10.7E	9.0Z	27 18.649	-0.0008	12	-42 3 49.87	-0.042	12	0.66	18.689	28	99.8	47.74	26	99.8	F5	CZ	20514	P -42 9578
32	11.4E	9.9*	27 20.871	0.0013	12	-44 29 14.57	-0.006	12	0.63	20.809	28	02.0	14.28	26	02.0		CZ	20515	P -4410329
33	10.6E	9.6*	27 22.703	0.0010	12	-42 45 15.25	-0.035	12	0.63	22.653	26	01.2	13.54	24	01.2		CZ	20516	P -43 9747
34	9.7E	9.0Z	27 27.635	0.0178	12	-40 34 43.74	0.056	12	0.83	26.778	63	01.9	46.43	57	01.9	G0	CZ	20517	P -40 9846
35	9.3E	8.0Z	27 36.414	-0.0016	12	-48 31 4.99	-0.001	12	0.65	36.487	36	04.2	4.95	36	04.2	K2	CZ	20518	P -4810898
36	10.0E	8.5Z	27 44.825	0.0003	12	-47 50 48.10	0.008	12	0.65	44.812	36	04.2	48.45	36	04.2	G5	CZ	20519	P -4810899
37		6.8T	27 52.502	-0.0065	10	-42 15 49.83	-0.086	07	0.52	52.858	15	95.3	44.63	15	89.5	K0	GC	32685	C -4216353
38	8.0E	6.8H	27 52.540	-0.0055	12	-42 15 49.67	-0.083	12	0.65	52.813	26	00.1	45.53	24	00.1	K0	CZ	20520	P -42 9579
39	10.0E	10.0Z	27 55.383	0.0017	12	-48 47 53.08	-0.007	12	0.63	55.304	31	03.5	52.76	28	03.5	F5	CZ	20521	P -4911743
40	10.7E	9.0Z	28 5.831	-0.0001	12	-47 40 50.02	-0.050	12	0.63	5.836	28	02.5	47.63	26	02.5	K0	CZ	20522	P -4810901
41		8.4T	28 44.055	0.0020	17	-42 26 11.46	-0.008	13	0.78	43.958	18	01.2	11.05	17	98.4	F8	GC	32701K	C*-4216363
42		5.9T	28 44.226	0.0033	07	-45 7 9.60	-0.015	06	0.30	44.084	12	07.4	8.89	12	02.3	K0	GC	32702	C -4515055
43	8.5E	7.5Z	29 9.916	0.0096	12	-46 59 53.24	0.023	12	0.65	9.458	31	02.1	54.34	28	02.1	F2	CZ	20525	P -4710001
44	8.9E	8.0Z	29 9.967	0.0001	12	-45 47 46.53	-0.057	12	0.69	9.961	45	05.7	44.00	45	05.7	F2	CZ	20527	P -4610547
45		6.7T	29 10.158	-0.0013	09	-42 1 43.31	0.007	07	0.51	10.230	18	95.0	43.75	17	87.6	KG	GC	32715	C -4216367
46	10.1E	8.5Z	29 10.271	0.0037	12	-48 14 50.20	-0.005	12	0.70	10.104	45	04.3	49.97	45	04.3	K2	CZ	20526	P -4810905
47	11.1E	9.0Z	29 12.762	0.0011	12	-44 42 50.91	-0.004	12	0.65	12.710	31	01.8	50.70	28	01.8	K2	CZ	20529	P -4510433
48	10.2E	9.5Z	29 18.052	-0.0036	12	-46 26 8.12	-0.053	12	0.63	18.218	31	03.4	5.64	28	03.4	F5	CZ	20530	P -4610549
49	8.9E	8.2Z	29 22.123	0.0091	12	-43 51 57.87	0.026	12	0.65	21.685	31	01.7	59.11	28	01.7	G0	CZ	20531	P -4410334
50	11.3E	9.0Z	29 35.840	-0.0028	12	-43 13 8.26	-0.008	12	0.65	35.977	28	00.4	7.86	26	00.4		CZ	20534	P -43 9752
51	10.2E	9.2Z	23 29 36.499	0.0009	12	-45 52 58.55	-0.000	12	0.69	36.458	45	05.7	58.53	45	05.7	F8	CZ	20535	P -4610550
52	9.9E	9.3H	29 37.556	0.0050	12	-49 29 29.36	-0.031	12	0.63	37.322	31	03.4	27.91	28	03.4	A5	CZ	20532	P -4911747
53	10.0E	8.5Z	29 39.108	-0.0022	12	-43 53 19.52	-0.006	12	0.71	39.211	45	03.2	19.23	45	03.2	K2	CZ	20535	P -4410337
54	9.2E	8.5Z	29 50.876	-0.0027	12	-45 36 27.96	-0.024	12	0.69	50.994	45	05.7	26.89	45	05.7	F2	CZ	20537	P -4610551
55		7.0T	29 58.329	0.0027	15	-45 23 53.05	-0.003	11	0.70	58.196	17	00.8	52.89	17	95.6	A2	GC	32739K	C -4515059
56	9.7E	9.1Z	30 7.913	0.0032	12	-45 49 20.77	-0.012	12	0.69	7.774	45	05.7	20.23	45	05.7	A5	CZ	20539	P -4610552
57	10.5E	9.1*	30 11.754	0.0004	12	-40 1 24.53	-0.007	12	0.66	11.732	28	99.5	24.16	26	99.5		CZ	20540	P -40 9848
58	10.4E	8.5Z	30 16.362	0.0008	12	-48 1 7.77	0.001	12	0.70	16.325	45	04.3	7.80	45	04.3	MA	CZ	20541	P -4810907
59		8.7T	30 30.986	0.0004	10	-41 7 17.75	-0.004	09	0.43	30.969	15	08.4	17.56	14	05.2	K0	GC	32747	C -4115271
60	10.3E	9.6Z	30 31.552	-0.0032	12	-48 58 7.35	-0.029	12	0.69	31.694	45	05.3	6.06	45	05.3	G0	CZ	20542	P -4911749
61	10.9E	9.0Z	30 37.441	0.0102	12	-47 34 40.02	-0.076	12	0.71	36.969	45	03.8	36.50	45	03.8	G0	CZ	20544D	P -4710007
62	10.8E	9.0Z	30 37.493	0.0107	12	-47 34 33.63	-0.074	12	0.71	36.998	45	03.8	30.20	45	03.8	G0	CZ	20545D	P -4710007
63	9.5E	8.0Z	30 51.462	0.0005	12	-48 8 33.77	-0.002	12	0.64	51.438	31	02.8	33.66	28	02.8	K0	CZ	20547	P -4810908
64	9.8E	8.2Z	31 5.606	-0.0015	12	-44 14 51.55	-0.014	12	0.65	5.677	31	01.7	50.90	28	01.7	G5	CZ	20548	P -4410340
65	9.4E	8.5Z	31 8.063	0.0064	12	-45 55 31.91	-0.031	12	0.63	7.766	31	03.4	30.46	28	03.4	G0	CZ	20549	P -4610553
66	9.7E	9.0Z	31 15.160	0.0011	12	-43 51 44.93	0.044	12	0.71	15.107	45	03.2	47.00	45	03.2	F5	CZ	20551	P -4410341
67	9.2E	8.5Z	31 16.519	0.0010	12	-48 47 53.06	-0.039	12	0.69	16.473	45	05.3	51.33	45	05.3	F8	CZ	20550	P -4911751
68	10.8E	9.0Z	31 19.207	0.0034	12	-41 28 7.29	0.004	12	0.65	19.034	28	99.8	7.50	26	99.8		CZ	20552	P -41 9942
69	9.8E	8.4Z	31 56.688	0.0013	12	-46 57 24.60	-0.002	12	0.66	56.629	36	03.8	24.50	36	03.8	G5	CZ	20554	P -4710009
70	10.3E	9.5Z	31 58.485	0.0014	12	-48 59 35.38	0.029	12	0.63	58.418	31	03.4	36.74	28	03.4	G0	CZ	20555	P -4911752
71	9.8E	8.5Z	32 3.898	0.0018	12	-48 20 23.06	-0.008	12	0.64	3.814	31	02.8	22.69	28	02.8	K2	CZ	20556	P -4810911
72		6.9T	32 9.230	0.0040	11	-42 57 39.60	-0.009	08	0.55	9.020	19	98.1	39.09	18	90.6	A2	GC	32778	C -4315419
73	10.5E	8.5Z	32 9.750	0.0020	12	-42 22 3.05	0.000	12	0.66	9.651	28	99.8	3.08	26	99.8	K0	CZ	20558	P -42 9585
74	9.6E	9.0Z	32 12.845	0.0246	12	-48 54 26.21	-0.065	12	0.69	11.744	45	05.3	23.31	45	05.3	G0	CZ	20559	P -4911754
75		4.8H	32 23.520	0.0040	03	-42 53 30.27	0.005	02	0.11	23.366	06	11.6	30.48	05	11.6	A2P	F4	1617	C -4315420
76	10.6E	8.5Z	32 43.064	0.0045	12	-48 0 2.98	0.001	12	0.70	42.859	45	04.3	3.01	45	04.3	K2	CZ	20562	P -4810913
77	10.4E	9.1Z	32 43.452	0.0000	12	-41 34 12.84	-0.012	12	0.68	43.450	36	01.5	12.29	36	01.5	A0	CZ	20564	P -41 9945
78	10.9E	10.0H	32 43.703	-0.0077	12	-44 31 24.82	-0.018	12	0.63	44.071	28	02.2	23.95	26	02.2	F8	CZ	20563	P -4410344
79	9.7E	9.0Z	32 48.978	0.0012	12	-41 43 47.64	0.015	12	0.68	48.918	36	01.8	48.34	36	01.8	A0	CZ	20565	P -42 9587
80		8.5T	32 52.246	0.0209	22	-47 13 3.78	-0.303	22	1.06	51.288	21	04.1	-49.68	19	03.4	G5	GC	32795	C -4714628
81	10.1E	9.3Z	33 5.801	0.0062	12	-43 24 35.33	-0.022	12	0.67	5.507	36	02.4	34.26	36	02.4	F8	CZ	20567	P -43 9765
82	9.4E	8.7Z	33 20.097	0.0032	12	-43 43 27.82	0.007	12	0.82	19.946	63	02.8	28.12	57	02.8	G5	CZ	20569	P -4410345
83	10.9E	9.8*	33 20.736	0.0002	12	-49 56 44.29	0.002	12	0.63	20.725	31	03.7	44.37	28	03.7	G5	CZ	20568	P -5011835
84	10.9E	8.7Z	33 25.906	-0.0017	12	-41 11 23.41	-0.022	12	0.65	25.989	28	99.8	22.30	26	99.8	K5	CZ	20570	P -41 9946
85	10.1E	8.3Z	33 29.592	0.0051	12	-46 40 5.04	-0.000	12	0.65	29.364	36	05.1	5.02	36	05.1	K0	CZ	20571	P -4710015
86	9.7E	8.2Z	33 35.943	-0.0033	12	-47 44 34.03	-0.000	12	0.70	36.095	45	04.3	34.01	45	04.3	K2	CZ	20572	P -4810917
87	10.5E	9.0Z	33 39.797	0.0005	12	-42 20 16.75	0.004	12	0.73	39.775	45	01.8	16.93	45	01.8	G5	CZ	20573	P -42 9588
88	9.6E	8.2Z	33 40.443	0.0026	12	-43 58 56.09	-0.024	12	0.71	40.322	45	03.2	54.94	45	03.2	K0	CZ	20574	P -4410347
89	10.3E	9.5Z	33 47.537	0.0006	12	-42 17 56.37	0.021	12	0.73	47.510	45	01.8	57.37	45	01.8	A5	CZ	20575	P -42 9590
90	10.8E	9.5Z	33 47.547	-0.0035	12	-40 26 23.57	-0.005	12	0.66	47.723	28	99.4	23.31	26	99.4	K5	CZ	20576	P -40 9851
91	10.5E	9.3Z	33 49.033	0.0017	12	-41 0 56.08	-0.014	12	0.73	48.949	45	01.3	55.40	45	01.3	F0	CZ	20577	P -41 9949
92		7.2T	33 52.558	0.0081	15	-45 10 9.42	-0.021	12	0.71	52.157	17	00.5	8.32	18	96.6	A5	GC	32819	C -4515080
93	9.9E	9.1*	33 56.590	0.0014	12	-43 24 39.48	0.001	12	0.64	56.522	28	01.1	39.51	26	01.1	A5	CZ	20579	P -43 9767
94	9.7E	8.5Z	34 4.073	0.0025	12	-42 38 18.53	-0.029	12	0.73	3.954	45	01.8	17.12	45	01.8	G5	CZ	20580	P -43 9768
95	10.4E	9.0Z	34 6.501	-0.0030	12	-47 42 40.76	-0.015	12	0.71	6.641	45	03.8	40.04	45	03.8	F8	CZ	20581	P -4810918
96	9.6E	9.0Z	34 6.514	0.0028	12	-40 12 46.76	-0.006	12	0.66	6.371	28	99.6	46.46	26	99.6	F0	CZ	20582	P -40 9852
97	10.3E	9.0Z	34 10.115	-0.0014	12	-43 52 34.91	-0.058	12	0.65	10.183	31	01.7	32.09	28	01.7	F5	CZ	20583	P -4410351
98	8.8E	8.5Z	34 21.994	-0.0022	12	-42 19 50.59	-0.002	12	0.65	22.105	28	00.4	50.47	26	00.4	A0	CZ	20585	P -42 9592
99	11.0E	9.6*	34 26.325	0.0048	12	-41 1 36.03	0.003	12	0.65	26.084	28	00.1	36.18	26	00.1		CZ	20586	P -41 9950
00	10.2E	9.0Z	34 26.531	-0.0043	12	-41 55 40.67	0.038	12	0.65	26.743	28	00.3	42.58	26	00.3		CZ	20587	P -42 9593

231700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-40° 23H DM NUMBER
1	9.2E	8.5Z	23 34 33.831	0.0029	12	-46 51 34.00	-0.011	12	0.71	33.698	45	03.8	33.47	45	03.8	F2	CZ	20588	P -4710016
2		9.4T	34 33.856	0.0069	22	-45 45 1.93	-0.239	20	0.99	33.543	21	04.3	50.86	21	03.6	G5	GC	32824	C -4614713
3	10.2E	8.8Z	34 34.037	0.0100	12	-45 44 59.82	-0.194	12	0.63	33.569	31	03.4	50.77	28	03.4	G5	CZ	20589	P -4610563
4	9.7E	8.5Z	34 41.508	0.0015	12	-44 23 58.26	-0.013	12	0.65	41.437	31	01.7	57.62	28	01.7	F5	CZ	20590	P -4410354
5	10.2E	8.8Z	34 50.183	0.0059	12	-46 34 7.41	-0.072	12	0.63	49.909	31	03.3	4.04	28	03.3	G0	CZ	20591	P -4610564
6		8.4T	35 9.145	-0.0048	14	-45 50 43.78	-0.002	10	0.71	9.399	26	97.6	43.68	19	90.8	MB	GC	32834	C -4614721
7		4.9H	35 9.885	0.0066	03	-45 46 9.12	-0.009	03	0.12	9.672	06	17.6	8.80	06	16.2	A2	F4	889	C -4614720
8		8.1T	35 22.907	0.0008	15	-41 50 31.82	0.015	11	0.68	22.867	18	01.4	32.63	21	96.6	K0	GC	32841	C*-4216409
9	10.9E	9.5Z	35 45.938	0.0059	12	-45 32 22.32	0.017	12	0.69	45.675	45	05.7	23.05	45	05.7	F8	CZ	20597	P -4510453
10	10.1E	9.3*	35 47.088	0.0062	12	-49 4 19.75	0.008	12	0.63	46.800	31	03.5	20.12	28	03.5	F8	CZ	20598	P -4911764
11	10.5E	9.0Z	35 50.251	0.0011	12	-48 17 16.79	0.017	12	0.64	50.197	31	02.8	17.60	28	02.8	G5	CZ	20599	P -4810922
12	10.0E	9.5Z	35 59.078	-0.0028	12	-49 21 43.58	0.012	12	0.63	59.209	31	03.5	44.13	28	03.5	F5	CZ	20600	P -4911766
13	9.6E	8.0Z	36 3.467	0.0016	12	-45 31 42.88	0.010	12	0.69	3.394	45	05.7	43.31	45	05.7	K0	CZ	20601	P -4510454
14	10.1E	9.2Z	36 12.023	-0.0012	12	-43 54 2.04	-0.031	12	0.71	12.079	45	03.2	0.57	45	03.2	F0	CZ	20602	P -4410355
15		7.2T	36 14.824	0.0069	10	-45 53 18.94	-0.010	08	0.41	14.531	14	07.3	18.50	14	04.7	A5	GC	32857	C -4614730
16		8.2T	36 16.018	0.0066	15	-41 45 7.63	0.009	13	0.70	15.706	17	02.8	8.07	18	01.9	G5	GC	32858	C -4216419
17	9.7E	9.5Z	36 45.635	0.0022	12	-46 42 58.81	-0.013	12	0.82	45.535	63	03.7	58.20	57	03.7	A0	CZ	20605	P -4710022
18		7.4T	36 46.737	0.0010	10	-46 54 54.72	0.053	11	0.61	46.683	21	95.5	57.74	18	93.3		GC	32865K	C -4714651
19		6.6T	36 47.311	0.0026	06	-46 54 55.65	0.039	05	0.35	47.162	15	92.3	58.11	12	87.4	A3	GC	32866K	C*-4714651
20	10.9E	9.5*	36 47.668	0.0054	12	-43 8 51.97	0.021	12	0.64	47.402	28	01.1	52.98	26	01.1		CZ	20607	P -43 9770
21	10.4E	8.5Z	36 55.100	-0.0004	12	-45 14 59.10	0.020	12	0.63	55.116	31	03.4	0.01	28	03.4	K2	CZ	20608	P -4510455
22	10.2E	9.2Z	36 56.325	0.0046	12	-43 37 36.50	0.039	12	0.72	56.108	45	02.8	38.32	45	02.8	G0	CZ	20610	P -4410357
23	10.2E	9.0Z	36 56.448	-0.0011	12	-46 36 11.52	0.009	12	0.65	56.499	36	05.1	11.90	36	05.1	G5	CZ	20609	P -4710024
24	10.8E	9.4*	37 3.898	0.0053	12	-46 53 33.53	-0.018	12	0.63	3.648	28	02.5	32.66	26	02.5	F8	CZ	20612	P -4710025
25	9.5E	8.5Z	37 13.465	0.0163	12	-47 51 58.20	0.027	12	0.65	12.719	36	04.2	59.42	36	04.2	F8	CZ	20614D	P*-4810927
26		6.9T	37 19.065	0.0019	13	-47 36 12.24	0.015	12	0.67	18.970	18	99.8	13.04	17	97.4	G5	GC	32877K	C*-4814566
27	10.7E	9.7Z	37 30.183	0.0033	12	-45 19 13.64	0.007	12	0.65	30.033	36	05.1	13.94	36	05.1	F8	CZ	20616	P -4510457
28	9.6E	8.3Z	37 43.166	0.0018	12	-43 32 16.02	-0.017	12	0.63	43.079	26	01.3	15.17	24	01.3	K0	CZ	20618	P -43 9772
29	10.3E	8.5Z	37 48.756	0.0037	12	-42 1 30.61	0.025	12	0.64	48.572	26	00.9	31.86	24	00.9	K0	CZ	20620	P -42 9599
30	9.7E	9.1H	37 48.765	0.0025	12	-49 28 21.37	0.009	12	0.63	48.649	31	03.4	21.78	28	03.4	G5	CZ	20619	P -4911773
31	10.9E	8.0Z	38 4.105	0.0004	12	-41 55 34.45	-0.002	12	0.72	4.084	45	02.8	34.34	45	02.8	K5	CZ	20621	P -42 9600
32	10.5E	8.5Z	38 12.460	0.0014	12	-44 9 10.02	-0.003	12	0.63	12.393	28	02.0	9.85	26	02.0	K0	CZ	20622	P -4410359
33	10.8E	9.4*	38 17.076	-0.0010	12	-45 2 53.26	0.016	12	0.62	17.123	28	03.5	53.99	26	03.5	G0	CZ	20623	P -4510458
34	10.6E	9.5Z	38 24.055	0.0024	12	-48 5 45.62	-0.007	12	0.65	23.946	36	04.2	45.29	36	04.2	G0	CZ	20624	P -4810934
35	9.6E	8.5Z	38 26.050	0.0031	12	-47 43 40.99	-0.011	12	0.65	25.909	36	04.2	40.47	36	04.2	G0	CZ	20625	P -4810935
36	10.0E	8.5Z	38 27.483	0.0051	12	-41 51 57.67	0.027	12	0.72	27.240	45	02.8	58.97	45	02.8	F5	CZ	20626	P -42 9601
37	10.1E	9.5Z	38 37.059	0.0060	12	-43 25 35.75	0.039	12	0.72	36.777	45	02.8	37.57	45	02.8	F5	CZ	20628	P -43 9775
38	11.0E	10.0*	38 37.623	0.0019	12	-49 48 55.62	0.022	12	0.61	37.535	28	04.3	56.61	26	04.3		CZ	20627	P -5011845
39	10.3E	9.0Z	38 42.310	-0.0056	12	-40 41 37.43	-0.041	12	0.66	42.591	28	99.5	35.36	26	99.5	K0	CZ	20629	P -41 9955
40		7.9T	38 49.271	0.0100	16	-41 51 28.50	-0.004	13	0.76	48.783	18	01.4	28.30	21	98.3	F5	GC	32903K	C*-4216433
41	9.8E	9.0Z	38 54.219	0.0028	12	-43 7 45.07	0.022	12	0.64	54.080	28	01.2	46.13	26	01.2	G0	CZ	20632	P -43 9776
42	10.3E	8.5Z	39 14.072	-0.0020	12	-48 55 12.35	-0.024	12	0.63	14.166	31	03.8	11.24	28	03.8	K6	CZ	20635	P -4910779
43	11.1E	9.0Z	39 14.829	-0.0000	12	-48 33 54.44	-0.017	12	0.63	14.829	31	03.1	55.24	28	03.1	K0	CZ	20636	P -4810941
44		7.3T	39 18.138	0.0026	08	-42 32 44.71	-0.041	07	0.37	18.011	14	04.5	42.74	12	01.4	K0	GC	32913	C -4216435
45	10.7E	9.3*	39 27.047	-0.0007	12	-44 31 5.10	-0.012	12	0.65	27.081	31	01.8	4.51	28	01.8		CZ	20638	P -4410362
46	10.3E	8.8Z	39 38.114	-0.0039	12	-40 35 50.49	-0.036	12	0.83	38.300	63	01.9	48.76	57	01.9	K2	CZ	20639	P -41 9956
47	10.7E	8.6Z	39 53.470	0.0009	12	-46 39 26.11	-0.008	12	0.71	53.430	45	03.7	25.72	45	03.7	K0	CZ	20641	P -4710029
48		9.6T	40 3.480	0.0096	18	-41 31 25.67	-0.155	16	0.90	3.017	19	01.9	18.11	18	01.2	G5	GC	32929	C -4115296
49		6.8T	40 26.719	-0.0005	14	-46 35 23.63	0.019	11	0.69	26.745	17	99.7	24.69	17	95.2	G5	GC	32935K	C -4714668
50	8.9E	8.0Z	40 37.967	0.0016	12	-45 26 7.58	0.014	12	0.71	37.891	45	03.7	8.21	45	03.7	A0	CZ	20644	P -4510461
51	10.9E	9.7*	23 40 39.623	0.0046	12	-47 21 3.38	-0.000	12	0.64	39.405	31	02.1	3.36	28	02.1	G5	CZ	20645	P -4710033
52		8.6T	40 45.271	0.0082	17	-41 52 59.47	0.050	13	0.79	44.866	18	00.8	2.07	17	98.1	F5	GC	32942	C -4216443
53	10.9E	9.5Z	41 10.684	0.0126	12	-43 31 24.66	0.051	12	0.64	10.068	28	01.0	27.13	26	01.0		CZ	20648	P -43 9779
54		7.1T	41 14.726	0.0038	15	-45 44 22.04	-0.065	11	0.68	14.541	17	00.9	18.65	17	97.6	K0	GC	32949	C -4614749
55	9.7E	9.0*	41 15.464	0.0019	12	-43 52 42.01	-0.004	12	0.65	15.373	31	01.8	41.80	28	01.8	A0	CZ	20650	P -4410364
56		6.3T	41 20.789	0.0289	09	-45 21 38.03	0.018	08	0.51	19.154	18	93.4	39.15	15	88.7	G5	GC	32951	C -4515114
57	10.5E	9.3*	41 29.260	0.0016	12	-40 15 25.89	-0.027	12	0.65	29.178	28	99.8	24.53	26	99.8		CZ	20652	P -40 9862
58		7.5T	41 33.048	0.0030	15	-40 57 48.71	-0.003	13	0.73	32.897	17	00.1	48.54	17	97.7	K2	GC	32955	C -4115301
59	8.2E	7.5Z	41 37.135	0.0001	12	-43 18 9.48	0.049	12	0.65	37.130	28	00.9	11.86	26	00.9	A0	CZ	20654	P -43 9780
60	9.2E	9.0Z	42 8.287	0.0018	12	-45 31 27.09	-0.016	12	0.66	8.202	36	03.7	26.34	36	03.7	F5	CZ	20656D	P*-4510467
61	10.2E	8.5Z	42 15.434	-0.0052	12	-47 37 17.64	-0.052	12	0.63	15.683	28	02.5	15.15	26	02.5	G5	CZ	20658	P -4810948
62	9.9E	8.2Z	42 19.550	0.0010	12	-48 10 50.85	0.002	12	0.63	19.504	31	03.2	50.92	28	03.1	K0	CZ	20659	P -4810949
63		9.6T	42 59.023	-0.0163	26	-48 57 16.60	-0.034	32	1.29	59.752	21	05.2	15.07	21	05.6	K0	GC	32980	C -4914241
64	10.1E	9.2*	43 6.326	0.0010	12	-44 55 39.16	-0.033	12	0.63	6.278	28	02.5	37.61	26	02.5	F8	CZ	20661	P -4510469
65	9.4E	8.0Z	43 12.104	0.0003	12	-46 10 19.68	-0.021	12	0.63	12.088	28	02.4	18.67	26	02.4	G5	CZ	20662	P -4610581
66	9.3E	8.4Z	43 12.843	0.0003	12	-41 21 21.49	0.012	12	0.65	12.826	28	00.5	22.11	26	00.5	A5	CZ	20663	P -41 9965
67	9.9E	8.0Z	43 14.674	0.0023	12	-42 37 7.87	0.004	12	0.65	14.562	28	00.8	8.05	26	00.8	K2	CZ	20664	P -43 9783
68	10.0E	9.0*	43 22.025	-0.0026	12	-40 1 33.22	-0.007	12	0.66	22.154	28	99.5	32.87	26	99.5	K0	CZ	20665	P -40 9868
69		6.3T	43 23.216	0.0083	05	-40 27 35.52	-0.031	05	0.24	22.845	09	05.4	34.08	09	03.9	A2	GC	32983	C -4015239
70	10.2E	9.0Z	43 40.276	-0.0046	12	-48 44 39.05	-0.018	12	0.69	40.480	45	05.8	38.25	45	05.8	G0	CZ	20668	P -4911789
71	10.2E	9.5Z	43 46.941	0.0030	12	-43 31 54.41	-0.014	12	0.65	46.793	28	00.5	53.69	26	00.5	G5	CZ	20669	P -43 9785
72		9.1T	43 52.797	-0.0064	15	-49 14 11.30	0.024	13	0.72	53.107	19	01.4	12.51	18	98.8	G5	GC	32996	C -4914244
73		7.5T	43 54.191	0.0235	11	-41 50 51.87	-0.852	11	0.64	52.885	15	94.5	2.38	15	91.9	A0	GC	32998	C -4216457
74		7.5T	43 54.768	-0.0014	17	-45 6 22.32	-0.032	13	0.77	54.835	18	02.1	20.69	21	98.4	K0	GC	32999	C -4515130
75	10.6E	8.7Z	43 55.270	0.0018	12	-40 57 10.20	0.014	12	0.72	55.182	45	02.3	10.86	45	02.3	K0	CZ	20673	P -41 9967
76	9.1E	8.9Z	44 6.058	0.0034	12	-45 20 7.12	-0.005	12	0.65	5.893	31	02.0	6.86	28	02.0	F2	CZ	20674D	P*-4510474
77	9.8E	8.5Z	44 15.533	-0.0008	12	-42 8 34.28	-0.051	12	0.65	15.571	28	00.2	31.76	26	00.2	G5	CZ	20675	P -42 9608
78	10.8E	9.5*	44 18.242	-0.0002	12	-40 59 29.23	-0.020	12	0.65	18.250	28	00.6	28.24	26	00.6	G0	CZ	20676	P -41 9968
79	9.8E	8.8Z	44 22.053	-0.0019	12	-43 43 38.72	-0.011	12	0.71	22.143	45	03.3	38.19	45	03.3	K0	CZ	20677	P -4410370
80	10.5E	9.5*	44 38.379	0.0027	12	-46 59 25.89	0.011	12	0.65	38.248	31	02.1	26.40	28	02.1	A0	CZ	20679	P -4710039
81		7.0T	44 44.446	-0.0383	13	-48 33 2.79	-0.217	12	0.67	46.348	17	00.3	51.47	18	97.9	G0	GC	33015	C -4814610
82	10.3E	9.0Z	44 45.237	0.0041	12	-49 53 4.60	0.007	12	0.61	45.046	28	03.7	4.91	26	03.7	F0	CZ	20680	P -5011859
83	10.5E	9.0Z	44 48.707	0.0034	12	-41 46 52.45	0.021	12	0.73	48.541	45	01.8	53.48	45	01.8	K0	CZ	20682	P -42 9609
84		8.6T	44 57.983	0.0027	16	-45 36 24.79	-0.019	12	0.74	57.852	19	00.5	23.79	18	96.6	A2	GC	33020	C -4614766
85	11.0E	9.5*	45 1.706	-0.0009	12	-43 52 0.74	0.020	12	0.65	1.749	31	01.8	1.68	28	01.8		CZ	20684	P -4410371
86	11.3E	9.6H	45 50.230	-0.0002	12	-44 33 48.78	-0.007	12	0.65	50.240	31	01.8	48.43	28	01.8		CZ	20687	P -4410372
87	10.9E	9.5*	46 5.741	0.0038	12	-43 28 58.59	-0.014	12	0.65	5.552	28	00.2	57.87	26	00.2		CZ	20688	P -43 9787
88		6.7T	46 10.024	0.0026	16	-47 55 39.83	0.017	13	0.75	9.899	17	01.6	40.72	18	98.3	K0	GC	33044	C -4814613
89		7.1T	46 18.206	0.0027	16	-47 7 13.79	0.001	13	0.76	18.076	19	01.4	13.86	18	98.9	K5	GC	33048	C -4714701
90	10.4E	9.0Z	46 22.004	0.0004	12	-45 17 3.86	-0.030	12	0.71	21.983	45	03.7	2.46	45	03.7	K0	CZ	20692	P -4510476
91	9.8E	8.5Z	46 33.803	0.0031	12	-42 11 3.14	0.015	12	0.65	33.647	28	00.2	3.86	26	00.2	G0	CZ	20694	P -42 9613
92	9.4E	8.5Z	46 38.275	0.0025	12	-47 24 16.58	0.010	12	0.64	38.153	31	02.1	17.04	28	02.1		CZ	20695	P -4710044
93	11.3E	9.7Z	46 50.207	-0.0001	12	-43 44 13.82	0.016	12	0.71	50.213	45	03.3	14.54	45	03.3	A2	CZ	20697	P -4410373
94	10.1E	9.5Z	46 50.323	-0.0004	12	-43 44 20.89	0.008	12	0.71	50.342	45	03.3	21.24	45	03.3	A2	CZ	20698	P -4410373
95	10.8E	9.5Z	46 54.356	0.0012	12	-40 39 14.96	0.010	12	0.65	54.294	28	99.8	15.46	26	99.8	K5	CZ	20699	P -41 9971
96	11.3E	9.7*	46 56.190	0.0030	12	-44 53 59.56	0.005	12	0.65	56.045	31	02.1	59.82	28	02.1		CZ	20700	P -4510479
97	11.3E	9.6*	46 59.927	0.0014	12	-46 6 16.50	-0.034	12	0.62	59.859	28	03.0	14.88	26	03.0	G	CZ	20702	P -4610590
98	9.2E	8.5Z	47 3.848	-0.0009	12	-48 21 31.23	0.017	12	0.62	3.892	28	03.3	32.03	26	03.3	G0	CZ	20703	P -4810963
99	9.7E	7.8Z	47 10.427	0.0005	12	-42 33 21.87	0.008	12	0.73	10.405	45	01.8	22.24	45	01.8	K0	CZ	20704	P -42 9617
00		7.5T	47 17.860	-0.0023	18	-42 34 44.46	-0.038	18	0.88	17.966	19	02.8	42.73	24	03.8	F0	GC	33065	C -4216486

231800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -40° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	11.1E	10.0*	23 47 31.101	0.0010	12	-49 25 0.42	-0.000	12	0.63	31.135	31	03.1	0.41	28	03.1		CZ	20706	P -4911805
2	9.8E	8.5Z	47 41.086	0.0017	12	-47 43 54.88	0.004	12	0.65	41.020	36	04.5	55.04	36	04.5	G5	CZ	20708	P -4810965
3	10.8E	9.2Z	47 54.936	0.0009	12	-41 38 8.89	0.016	12	0.63	54.889	26	01.1	9.69	24	01.1	K0	CZ	20709	P -42 9619
4		6.6T	47 58.329	0.0000	08	-47 39 20.31	0.025	06	0.36	58.329	15	06.9	21.54	14	01.4	K0	GC	33080	C -4816420
5	10.4E	9.1Z	47 59.524	0.0008	12	-42 19 55.97	-0.007	12	0.68	59.487	36	02.2	55.62	36	02.2	F8	CZ	20711	P -42 9625
6		6.9T	48 23.605	-0.0014	15	-48 56 14.57	-0.011	12	0.70	23.672	15	01.3	13.97	15	96.7	K0	GC	33086	C -4914270
7		7.7T	48 26.415	-0.0016	16	-41 52 40.89	0.000	13	0.74	26.490	22	02.2	40.90	19	99.4	K2	GC	33087	C -4216493
8	10.6E	9.3*	48 35.425	0.0000	12	-40 8 36.98	0.013	12	0.65	35.423	28	99.8	37.63	26	99.8		CZ	20716	P -40 9886
9	10.6E	9.5Z	48 35.658	0.0053	12	-48 57 47.28	-0.063	12	0.70	35.420	45	04.7	44.42	45	04.7	G5	CZ	20715	P -4911809
10	9.8E	8.5Z	48 42.421	0.0008	12	-43 51 42.38	-0.004	12	0.65	42.383	31	01.8	42.17	28	01.8	K0	CZ	20717	P -4410375
11		7.8T	48 45.218	0.0036	16	-42 38 56.30	-0.128	13	0.76	45.043	22	02.2	49.71	21	98.3	F5	GC	33091	C -4315521
12	9.4E	8.5Z	48 45.521	0.0031	12	-40 45 47.37	-0.004	12	0.72	45.371	45	02.3	47.18	45	02.3	K0	CZ	20719	P -41 9980
13		8.1T	48 50.323	0.0048	14	-42 3 2.65	-0.004	11	0.68	50.081	18	00.0	2.45	17	96.6	G5	GC	33096	C -4216496
14		6.7T	49 6.893	-0.0001	09	-41 6 18.76	-0.069	07	0.38	6.897	15	06.8	15.43	14	02.0	K0	GC	33104	C -4115339
15		7.3T	49 10.151	0.0024	17	-42 57 4.43	0.004	13	0.78	10.037	19	01.7	4.66	17	98.7	K0	GC	33105	C -4315525
16	10.4E	9.0Z	49 13.942	0.0015	12	-44 47 1.23	0.004	12	0.64	13.870	31	02.7	1.43	28	02.7	K2	CZ	20723	P -4510481
17	9.9E	9.0Z	49 20.502	0.0027	12	-49 7 25.81	0.087	12	0.70	20.380	45	04.7	29.75	45	04.7	K0	CZ	20724	P -4911813
18	10.1E	9.5Z	49 25.767	0.0009	12	-45 49 27.46	0.016	12	0.70	25.724	45	04.7	28.17	45	04.7	F2	CZ	20725D	P*-4610595
19	9.9E	8.5Z	49 42.560	-0.0066	12	-46 24 22.59	-0.018	12	0.64	42.870	31	02.7	21.73	28	02.7	G5	CZ	20726	P -4610596
20	11.2E	9.0*	49 49.273	0.0020	12	-45 35 0.78	0.007	12	0.64	49.176	31	02.7	1.09	28	02.7	K5	CZ	20727	P -4610597
21	10.2E	8.8Z	49 50.115	-0.0023	12	-48 2 5.00	-0.018	12	0.63	50.224	31	03.1	4.13	28	03.1	G5	CZ	20728	P -4810971
22	10.1E	8.5Z	50 22.635	-0.0003	12	-46 47 28.36	0.010	12	0.71	22.651	45	03.8	27.88	45	03.8	K0	CZ	20729	P -4710050
23	9.9E	9.0Z	50 25.985	0.0024	12	-40 17 31.76	0.009	12	0.66	25.862	28	99.3	32.21	26	99.3	G5	CZ	20730	P -40 9889
24	11.8E	10.8Z	50 29.449	0.0042	12	-44 54 3.78	-0.052	12	0.77	29.258	45	04.7	1.44	45	04.7	G0	CZ	20731	P -4510483
25	11.0E	9.5Z	50 29.906	0.0053	12	-44 54 53.84	-0.049	12	0.70	29.666	45	04.7	54.64	45	04.7	G0	CZ	20732	P -4510483
26	10.7E	9.5Z	50 33.443	0.0004	12	-43 41 39.92	-0.035	12	0.65	33.423	28	00.3	38.16	26	00.3		CZ	20733	P -4410377
27	9.7E	9.0Z	50 41.811	-0.0004	12	-40 51 29.61	0.011	12	0.65	41.829	28	00.8	30.15	26	00.8	G5	CZ	20734	P -41 9984
28		8.5T	50 46.434	0.0027	13	-49 12 51.31	-0.040	11	0.66	46.302	22	01.6	49.17	21	96.9	F5	GC	33141	C -4914284
29	10.5E	9.5Z	50 49.439	0.0016	12	-44 55 40.96	-0.004	12	0.64	49.362	31	02.7	40.78	28	02.7	G0	CZ	20736	P -4510485
30	10.5E	9.0Z	50 59.420	0.0000	12	-40 59 54.97	0.009	12	0.72	59.418	45	02.3	55.39	45	02.3	G0	CZ	20737	P -41 9985
31		8.0T	51 3.248	0.0092	08	-49 42 39.62	0.010	07	0.37	2.848	15	06.3	40.58	14	02.3	F0	GC	33146K	C*-5014071
32	9.5E	8.5Z	51 3.718	0.0014	12	-47 52 2.51	0.006	12	0.70	3.656	45	04.3	2.77	45	04.3	F5	CZ	20739	P -4810974
33	10.4E	9.2Z	51 4.006	-0.0163	12	-49 18 11.45	-0.069	12	0.70	4.752	45	04.3	8.29	45	04.3	G0	CZ	20740	P -4911818
34	10.0E	8.7Z	51 8.592	-0.0041	12	-45 12 49.66	0.094	12	0.70	8.778	45	04.7	53.90	45	04.7	F8	CZ	20741	P -4510486
35	10.7E	9.3Z	51 14.013	-0.0002	12	-46 19 57.92	0.002	12	0.70	14.024	45	04.7	58.00	45	04.7	K0	CZ	20743	P -4610598
36	9.8E	9.0*	51 15.673	-0.0084	12	-45 24 3.53	-0.030	12	0.64	15.784	31	02.7	2.09	28	02.7	F5	CZ	20744	P -4510488
37		9.2T	51 16.599	0.0052	22	-47 6 31.67	-0.026	18	0.97	16.363	21	04.3	30.47	19	03.2	K0	GC	33148	C -4714726
38	10.9E	9.0Z	51 19.593	-0.0001	12	-48 23 49.09	-0.037	12	0.64	19.600	31	02.8	47.34	28	02.8	K0	CZ	20746	P -4810976
39	11.3E	9.7*	51 46.389	-0.0015	12	-44 12 57.79	-0.001	12	0.65	46.462	31	01.8	57.72	28	01.8		CZ	20747	P -4410379
40	11.5E	9.0Z	51 58.335	0.0002	12	-43 .6 55.63	-0.007	12	0.65	58.322	28	00.2	55.27	26	00.2		CZ	20748	P -43 9800
41	10.2E	9.0Z	51 59.685	-0.0030	12	-46 11 42.04	-0.061	12	0.62	59.824	28	03.0	39.15	26	03.0	F8	CZ	20749	P -4610602
42		6.0H	52 1.580	0.0320	04	-40 34 43.87	0.033	03	0.14	0.627	08	20.2	44.85	08	20.3	F8	F4	1626	C -4015285
43	10.5E	9.0Z	52 14.068	-0.0004	12	-48 5 13.25	0.064	12	0.70	14.088	45	04.3	16.15	45	04.3	G5	CZ	20751	P -4810977
44	9.4E	8.5Z	52 17.185	0.0071	12	-42 16 31.30	-0.054	12	0.64	16.836	28	00.6	28.62	24	00.6	G0	CZ	20752	P -42 9631
45	9.3E	8.5Z	52 29.721	0.0000	12	-41 40 46.65	-0.001	12	0.68	29.719	36	02.2	46.62	36	02.2	G0	CZ	20753	P -42 9632
46	9.7E	9.0Z	52 44.142	-0.0041	12	-40 1 5.09	-0.129	12	0.73	44.337	45	01.9	-58.89	45	01.9		CZ	20754	P -40 9891
47	9.2E	9.0Z	52 49.285	0.0037	12	-40 2 32.59	0.018	12	0.65	49.099	28	00.5	33.48	26	00.5	F2	CZ	20756	P -40 9892
48	10.1E	8.0Z	52 51.998	0.0007	12	-41 32 28.24	-0.006	12	0.64	51.961	26	00.9	27.96	24	00.9	K5	CZ	20757	P -41 9986
49	11.1E	9.6*	52 56.095	0.0012	12	-47 16 1.03	0.007	12	0.63	56.040	28	02.5	1.34	26	02.5	F8	CZ	20758	P -4710059
50	11.1E	10.0*	53 23.743	-0.0013	12	-48 36 13.24	0.020	12	0.64	23.805	31	02.8	14.18	28	02.8	F2	CZ	20761	P -4911823
51	9.3E	8.0Z	23 53 24.302	0.0098	12	-43 7 34.20	-0.015	12	0.65	23.812	28	00.2	33.44	26	00.2	F5	CZ	20762	P -43 9802
52	10.3E	8.8Z	53 24.896	-0.0022	12	-48 13 18.64	0.003	12	0.70	24.994	45	04.3	18.78	45	04.3	K0	CZ	20763	P -4810983
53	10.5E	9.0Z	53 26.201	-0.0015	12	-46 16 6.10	-0.039	12	0.70	26.271	45	04.7	4.32	45	04.7	G5	CZ	20764	P -4610603
54	11.2E	9.8*	53 42.008	0.0019	12	-49 0 11.70	0.003	12	0.64	41.920	31	02.8	11.84	31	02.8	G0	CZ	20765	P -4911825
55	9.7E	9.0*	53 45.264	-0.0007	12	-46 50 54.41	0.002	12	0.65	45.299	31	02.1	54.49	28	02.1	F0	CZ	20766	P -4710064
56	10.9E	9.4H	53 49.497	-0.0002	12	-44 28 20.73	0.016	12	0.65	49.507	31	01.8	21.48	28	01.8	K0	CZ	20767	P -4410383
57	10.0E	8.8Z	53 55.629	-0.0018	12	-43 34 6.54	-0.029	12	0.65	55.719	28	00.3	5.58	26	00.3	G0	CZ	20769D	P*-43 9803
58	10.2E	9.0*	54 2.870	0.0155	12	-44 59 47.13	-0.072	12	0.64	2.136	31	02.7	43.74	28	02.7	G5	CZ	20771D	P*-4510495
59		7.9T	54 7.220	0.0117	10	-42 28 22.99	-0.046	08	0.42	6.721	14	07.4	21.00	15	06.5	F5	GC	33216	C -4216527
60	9.1E	8.2Z	54 17.825	0.0057	12	-43 36 52.72	-0.093	12	0.73	17.551	45	01.8	48.22	45	01.8	G0	CZ	20773	P -4410386
61	9.3E	8.7Z	54 31.380	0.0073	12	-41 43 2.00	0.000	12	0.82	31.034	63	02.8	2.02	57	02.8	F8	CZ	20774	P -42 9637
62	9.6E	8.5Z	54 39.605	0.0037	12	-42 22 22.20	0.016	12	0.73	39.428	45	01.8	22.95	45	01.8	F5	CZ	20775	P -42 9639
63		7.9T	54 44.116	0.0124	16	-46 23 20.68	0.027	12	0.74	43.512	19	01.2	22.12	18	97.3	F5	GC	33216	C -4614812
64	9.5E	8.5Z	54 47.033	0.0020	12	-42 43 22.21	0.009	12	0.65	46.936	28	00.5	22.65	26	00.5	F2	CZ	20777	P -43 9805
65	10.5E	9.0*	54 53.107	0.0018	12	-45 53 15.51	0.007	12	0.64	53.020	31	02.7	15.82	28	02.7	F2	CZ	20778	P -4610607
66	10.2E	9.2Z	54 55.495	0.0044	12	-47 57 35.82	0.012	12	0.62	55.289	28	02.8	36.36	26	02.8	F8	CZ	20779	P -4810987
67	9.5E	8.0Z	54 55.940	0.0006	12	-41 37 16.78	-0.002	12	0.72	55.909	45	02.3	16.66	45	02.3	K0	CZ	20780	P -42 9640
68	10.1E	8.9H	54 59.923	0.0051	12	-44 42 42.06	-0.022	12	0.71	59.685	45	03.3	41.02	45	03.3	F5	CZ	20782	P -4510499
69	10.9E	9.5Z	55 7.635	-0.0017	12	-40 12 50.26	-0.010	12	0.66	7.719	28	99.3	49.76	26	99.3	K2	CZ	20783	P -40 9897
70		8.5T	55 11.625	0.0006	16	-49 40 41.87	0.023	12	0.74	11.597	18	01.0	43.09	17	97.9	A3	GC	33229	C*-5014088
71	10.7E	9.5Z	55 25.843	0.0030	12	-48 23 26.94	0.010	12	0.64	25.704	31	02.8	27.42	28	02.8	F5	CZ	20786	P -4810988
72	9.8E	8.5Z	55 49.176	0.0031	12	-44 12 38.66	-0.031	12	0.65	49.027	31	01.7	37..4	28	01.7	G5	CZ	20788	P -4410389
73	10.0E	8.2Z	56 34.724	-0.0027	12	-46 24 25.42	-0.028	12	0.70	34.844	45	04.7	24.14	45	04.7	K0	CZ	20790	P -4610610
74		6.9T	56 35.159	0.0044	16	-42 30 56.80	0.022	13	0.76	34.941	17	00.8	57.99	17	97.1	A2	GC	33259	C -4216545
75	11.4E	10.0*	56 35.443	0.0027	12	-45 10 22.24	-0.025	12	0.64	35.316	31	02.7	21.04	28	02.7		CZ	20792	P -4510502
76	8.9E	8.5Z	56 45.466	0.0009	12	-42 20 4.75	0.029	12	0.73	45.424	45	01.8	6.13	45	01.8	B9	CZ	20794	P -42 9645
77	10.5E	9.4*	56 57.396	0.0006	12	-41 13 11.37	0.008	12	0.65	57.365	28	00.8	11.76	26	00.8		CZ	20795	P -41 9990
78	9.8E	9.1Z	56 59.309	0.0003	12	-40 20 16.38	0.012	12	0.83	59.294	63	01.9	16.95	57	01.9	F8	CZ	20796	P -40 9901
79		7.8T	57 0.047	0.0013	17	-42 33 41.41	0.002	13	0.78	-59.983	22	02.1	41.54	19	97.2	K0	GC	33270	C -4216548
80	10.9E	9.5*	57 8.691	0.0062	12	-47 34 55.68	0.027	12	0.63	8.398	28	02.5	56.94	26	02.5	G0	CZ	20799	P -4810990
81	11.1E	9.5Z	57 15.839	0.0020	12	-47 18 33.85	-0.040	12	0.63	15.747	28	02.6	31.93	26	02.6	G5	CZ	20801	P -4710071
82	10.7E	8.9*	57 27.704	0.0031	12	-46 2 25.13	0.016	12	0.62	27.556	28	02.8	25.87	26	02.8	K0	CZ	20802	P -4610611
83	9.4E	8.5Z	57 28.195	-0.0012	12	-40 52 10.66	0.030	12	0.68	28.251	36	01.5	12.12	36	01.5	G5	CZ	20803	P -41 9991
84		8.2T	57 38.165	-0.0064	15	-40 28 13.27	-0.021	11	0.67	38.469	19	02.4	12.17	18	98.3	F5	GC	33289	C -4015306
85	10.2E	9.3Z	57 40.034	-0.0015	12	-42 12 6.60	0.008	12	0.69	40.105	36	01.1	7.01	36	01.1	F5	CZ	20807	P -42 9648
86	10.6E	9.0Z	57 40.370	0.0045	12	-43 53 6.95	-0.017	12	0.65	40.167	36	04.8	6.16	36	04.8	G5	CZ	20806	P -4410393
87	9.7E	8.8H	57 42.732	-0.0006	12	-49 37 50.93	-0.000	12	0.62	42.759	28	02.8	50.92	26	02.8	K0	CZ	20808	P -5011892
88		6.2T	57 44.792	0.0073	16	-44 34 3.02	-0.106	13	0.75	44.438	19	01.5	-57.55	18	98.2	K0	GC	33292K	C*-4414520
89	10.1E	9.3*	57 45.958	0.0114	12	-41 34 28.59	-0.105	12	0.64	45.390	26	00.4	23.41	24	00.4	G0	CZ	20810	P -41 9992
90	9.4E	8.5Z	57 46.869	-0.0014	12	-43 38 25.21	-0.013	12	0.62	46.936	26	02.2	24.57	22	02.2	F5	CZ	20811	P -4410395
91	10.1E	8.8Z	57 47.910	0.0024	12	-49 23 11.91	-0.002	12	0.70	47.802	45	04.3	11.81	45	04.3	K0	CZ	20812	P -4911836
92		7.4T	57 58.336	-0.0025	16	-40 58 8.23	-0.025	13	0.76	58.458	17	00.6	6.93	17	98.6	K0	GC	33295	C -4115378
93	9.5E	8.0Z	58 9.190	0.0001	12	-45 42 3.45	0.004	12	0.62	9.183	28	02.7	3.62	26	02.7	G5	CZ	20814	P -4610614
94	9.7E	9.0Z	58 27.432	-0.0002	12	-42 50 59.61	-0.004	12	0.63	27.443	28	02.1	59.41	26	02.1	A5	CZ	20816D	P*-43 9809
95		5.7T	58 30.781	-0.0023	08	-49 5 17.74	-0.003	06	0.33	30.871	14	10.3	17.58	12	03.7	K0	GC	33305	C*-4914316
96		7.8T	58 33.226	0.0013	16	-42 9 55.41	-0.050	12	0.75	33.162	22	01.5	52.77	19	97.0	F5	GC	33306	C -4216565
97	10.5E	9.5Z	58 42.989	-0.0018	12	-48 4 20.47	0.004	12	0.64	43.075	31	02.8	20.64	28	02.8	F5	CZ	20819	P -4810995
98		7.2T	58 43.154	0.0033	14	-41 45 55.48	-0.025	09	0.65	42.989	22	00.6	54.07	19	93.1	K5	GC	33309	C -4216563
99	11.0E	9.6*	58 58.850	-0.0015	12	-45 21 46.32	-0.019	12	0.65	58.925	31	01.8	45.39	28	01.8		CZ	20822	P -4515505
00	9.8E	8.5Z	59 1.431	-0.0012	12	-45 37 20.96	-0.027	12	0.71	1.490	45	03.3	19.68	45	03.3	K0	CZ	20823	P -4615615

231900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		6.8T	23 59 7.799	0.0031	07	-40 25 37.32	-0.019	06	0.28	7.674	12	10.0	36.48	10	06.6	F5	GC	33323	C*-4015311
2	9.6E	9.0Z	59 15.305	0.0128	12	-48 50 27.78	0.001	12	0.64	14.702	31	02.8	27.83	28	02.8	F0	CZ	20825	P -4911843
3		7.8T	59 22.341	0.0077	12	-41 53 31.80	-0.031	10	0.60	21.953	18	99.8	30.13	17	95.9	F2	GC	33329K	C*-4216567

-40°
23H

231900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 0H DM NUMBER
4	9.4	9.5W	0 0 9.738	0.0029	07	-57 3 35.87	-0.012	07	0.14	9.729	14	46.9	35.83	14	46.9	A	C0	1	P -5710411
5		8.6T	0 10.008	-0.0059	17	-57 54 43.34	-0.020	13	0.67	10.262	21	08.2	42.50	19	07.1		GC	3	P -58 8126
6	10.0	9.7W	0 20.261	0.0112	09	-59 3 35.33	0.001	09	0.14	20.226	14	46.9	35.33	14	46.9		GC	3	P -59 7954
7	10.0	9.6W	0 41.698	0.0136	06	-54 12 54.38	-0.043	06	0.18	41.547	15	38.9	53.90	18	38.9		GC	15	P -5410422
8		9.6T	0 43.066	0.0040	13	-55 41 1.32	0.013	10	0.62	42.857	21	02.3	2.00	19	97.4				P -5610210
9	9.5	8.6W	1 3.623	0.0023	07	-52 5 15.06	-0.006	07	0.18	3.597	15	38.9	14.99	18	38.9	KO	C9	7	P -5212246
10	8.6	8.2W	1 7.016	0.0023	07	-57 26 33.73	0.002	07	0.14	7.009	14	46.9	33.73	14	46.9	F8	C9	6	P -5710421
11	9.7	9.4W	1 14.913	0.0051	15	-55 16 28.78	-0.008	15	0.24	14.856	15	38.9	28.69	18	38.9	F8	C9	8	P -5510151
12		8.9T	1 20.776	0.0219	11	-58 6 29.21	-0.058	09	0.49	19.670	18	06.5	26.30	17	99.5	G5	GC	25	P -58 8128
13	11.2E	10.0M	1 22.241	-0.0001	12	-50 3 24.97	0.022	12	0.63	22.245	31	03.1	26.00	28	03.1		CZ	20833	P -5011901
14	8.4	8.7W	1 44.109	0.0011	07	-59 35 36.75	-0.005	07	0.14	44.105	14	46.9	36.73	14	46.9	B9	C0	11	P -60 7714
15	9.7	8.8W	1 48.246	0.0089	07	-54 11 17.52	0.017	07	0.18	48.147	15	38.9	17.70	18	38.9	KO	C9	9	P -5410426
16		7.3T	2 5.690	0.0012	14	-51 51 42.43	0.035	11	0.67	5.630	21	02.4	44.27	18	97.6	KO	GC	40	P -5212249
17		7.9T	2 11.704	0.0012	11	-57 7 11.80	0.041	10	0.54	11.642	19	06.4	13.96	19	97.3	KO	GC	43	P -5710424
18	9.8	9.7W	2 18.142	0.0067	15	-53 37 42.87	0.012	15	0.24	18.067	15	38.9	43.00	18	38.9	F5	C9	12	P -5410427
19	10.0	9.7W	2 30.373	0.0090	09	-59 59 33.76	0.022	09	0.14	30.345	14	46.9	33.83	14	46.9	G5	C0	7	P -60 7715
20		7.6T	2 35.791	-0.0126	10	-52 25 42.18	-0.133	08	0.54	36.452	19	97.3	34.28	17	90.5	G0	GC	55	P -5212251
21	10.5	10.1W	2 40.775	0.0115	14	-56 58 23.10	0.010	14	0.15	40.739	14	46.9	23.13	14	46.9	F6	GC	15	P -5710425
22		7.4T	2 49.510	0.0029	10	-57 14 2.35	-0.015	07	0.49	49.350	19	02.7	1.52	18	94.6	A0	GC	63	P+ -5710426
23	8.3E	7.4H	3 4.055	0.0009	12	-51 32 17.81	0.009	12	0.64	4.012	31	02.8	18.22	31	02.8	K2	GC	7	P -5112075
24	9.6	9.4W	3 17.563	-0.0004	07	-53 5 55.84	-0.004	07	0.18	17.567	15	38.9	55.79	18	38.9	F8	GC	19	P -5310220
25		9.1T	3 43.328	0.0062	13	-55 46 37.45	-0.006	11	0.62	43.019	21	03.0	37.15	21	99.8	F5	GC	91	P -5810225
26	10.2	8.9W	3 55.682	0.0022	07	-53 12 41.87	-0.007	07	0.18	55.657	15	38.9	41.79	18	38.9	KO	GC	23	P -53 8
27	10.3E	9.2Z	4 5.472	0.0061	12	-50 46 41.10	0.018	12	0.64	5.184	31	02.8	41.96	31	02.8		GC	12	P -51 8
28		8.7T	4 21.871	0.0020	12	-55 26 20.76	-0.020	11	0.59	21.773	21	03.4	19.77	21	00.4	KO	GC	100	P -56 8
29	10.3	9.4W	4 22.231	0.0039	07	-57 7 31.50	0.011	07	0.14	22.219	14	46.9	31.53	14	46.9	KO	C0	22	P -57 8
30		7.5T	4 50.984	0.0024	09	-57 6 53.70	-0.014	07	0.44	50.855	17	04.6	52.94	17	96.1	K2	GC	106	P -57 6
31	10.2	10.0W	4 51.803	0.0044	11	-57 27 0.04	-0.003	11	0.14	51.789	14	46.9	0.03	14	46.9	F5	C0	25	P -57 7
32		7.5T	4 56.564	0.0082	13	-56 17 24.28	0.039	10	0.61	56.142	21	03.4	26.30	19	98.3	F5	GC	108	P -56 10
33	9.9	9.3W	5 5.760	0.0093	14	-52 14 1.51	0.062	14	0.23	5.657	15	38.9	2.19	18	38.9	G5	C9	27	P -52 2
34	10.6	9.2W	5 9.941	0.0038	07	-56 31 40.53	-0.001	07	0.14	9.929	14	46.9	40.53	14	46.9	KO	C0	27	P -56 13
35	9.0E	8.2H	5 23.646	-0.0035	12	-51 32 8.52	0.001	12	0.65	23.810	31	02.7	8.56	31	02.7	KO	GC	23	P -51 8
36	9.3	8.2W	5 41.183	0.0055	11	-59 20 29.01	0.008	11	0.14	41.166	14	46.9	29.03	14	46.9	KO	GC	30	P -59 2
37	10.5E	7.8H	5 42.131	-0.0014	12	-50 0 1.41	-0.003	12	0.63	42.190	31	03.1	1.28	28	03.1	G0	GC	27	P -50 8
38	9.5	8.3W	5 42.753	0.0032	07	-54 25 49.96	-0.014	07	0.18	42.717	15	38.9	49.80	18	38.9	K2	C9	30	P -54 11
39	9.6	9.4W	5 53.972	0.0013	07	-51 40 45.10	-0.010	07	0.18	53.957	15	38.9	44.99	18	38.9	F2	C9	31	P -52 3
40	9.9	8.9W	5 54.403	0.0014	11	-57 28 23.35	-0.004	11	0.14	54.399	14	46.9	23.33	14	46.9	K0	C0	32	P -57 10
41	10.0	9.1W	5 55.812	-0.0032	15	-53 43 17.87	0.012	15	0.24	55.847	15	38.9	18.00	18	38.9	G5	C9	32	P -54 14
42	8.6	8.4W	6 13.953	0.0005	06	-52 36 20.80	-0.055	06	0.18	13.947	15	38.9	20.19	18	38.9	F0	C9	34	P+ -53 9
43		6.3T	6 31.483	0.0060	07	-54 16 49.50	0.022	05	0.26	31.258	10	12.5	50.41	10	08.2	G0	GC	148K	P+ -54 19
44	9.9	9.2W	6 33.815	-0.0066	13	-59 33 25.46	-0.170	13	0.15	33.835	14	46.9	24.93	14	46.9	G5	C0	33	P -59 4
45	9.4E	8.2H	6 35.402	-0.0003	12	-50 53 9.27	-0.026	12	0.64	35.415	31	02.8	8.06	31	02.8	K2	GC	33	P -51 14
46	9.5E	8.3H	6 35.862	-0.0018	12	-50 17 30.85	-0.007	12	0.70	35.943	45	04.7	30.55	45	04.7	G0	GC	34	P -50 11
47		7.2T	6 37.457	0.0021	17	-50 26 42.03	-0.016	16	0.81	37.359	19	02.5	41.27	19	01.3	B8	GC	151K	C -50 20
48	9.7	8.9W	6 48.829	0.0008	07	-59 20 18.52	-0.029	07	0.14	48.826	14	46.9	18.43	14	46.9	G5	C0	36	P -59 5
49	10.0	10.0W	7 5.490	0.0002	15	-52 0 55.40	-0.001	15	0.24	5.487	15	38.9	55.39	18	38.9	A5	C9	38	P -52 5
50		8.4T	7 8.841	0.0065	13	-56 28 11.56	-0.017	11	0.65	8.507	21	02.4	10.68	19	98.4	G5	GC	159	P -56 20
51	9.4E	8.7H	0 7 17.680	-0.0000	12	-50 8 28.29	-0.019	12	0.70	17.681	45	04.7	27.44	45	04.7	K0	GC	42	P -50 14
52	8.8E	8.3H	7 22.549	-0.0110	12	-50 32 45.19	-0.028	12	0.70	23.046	45	04.7	43.93	45	04.7	G0	GC	43	P -50 15
53	9.1	8.3W	7 46.122	0.0045	09	-57 47 34.51	0.008	09	0.14	46.108	14	46.9	34.53	14	46.9	G5	C0	40	P -58 5
54	10.6	9.2W	7 57.472	0.0043	07	-56 51 44.74	-0.002	07	0.14	57.459	14	46.9	44.73	14	46.9	M0	C0	41	P -57 24
55	10.2	10.1W	8 6.828	0.0060	13	-55 59 10.87	0.017	13	0.15	6.810	14	46.9	10.93	14	46.9	F2	C0	42	P -56 24
56	10.4E	9.4H	8 11.634	0.0032	12	-51 14 52.32	-0.014	12	0.64	11.483	31	02.8	51.65	31	02.8	K0	GC	50	P -51 19
57		8.4T	8 12.461	0.0006	14	-54 40 43.86	0.016	12	0.67	12.435	21	03.0	44.68	19	98.4	G5	GC	183	P -55 16
58	9.7	9.5W	8 16.290	-0.0086	06	-59 27 14.26	-0.010	06	0.14	16.316	14	46.9	14.23	14	46.9	G0	C0	43	P -59 6
59	8.7	8.3W	8 18.363	-0.0081	09	-57 45 50.77	-0.043	09	0.14	18.388	14	46.9	50.63	14	46.9	F8	C0	44	P+ -58 7
60	10.1	9.4W	8 47.927	0.0045	07	-54 49 52.93	-0.029	07	0.18	47.877	15	38.9	52.61	18	38.9	G5	GC	45	P -55 18
61		8.4T	9 1.812	0.0032	17	-56 1 40.09	-0.003	12	0.73	1.652	22	04.9	39.94	19	99.7	F0	GC	196	P -56 29
62	8.8	8.3W	9 2.603	0.0377	06	-59 11 16.33	-0.001	06	0.14	2.486	14	46.9	16.33	14	46.9	G0	C0	48	P -59 8
63	9.7	9.0W	9 5.981	0.0170	13	-57 44 59.04	-0.035	13	0.15	5.928	14	46.9	58.93	14	46.9	G5	C0	49	P -58 8
64	9.2	8.1W	9 21.353	-0.0031	06	-54 29 15.66	-0.041	06	0.18	21.387	15	38.9	15.20	18	38.9	K0	C9	48	P -54 36
65	10.3	10.1W	9 24.891	0.0003	13	-56 28 47.37	0.049	13	0.15	24.890	14	46.9	47.53	14	46.9	F8	C0	50	P -56 30
66		7.8T	9 32.135	0.0008	15	-55 1 43.66	0.022	12	0.67	32.095	21	04.4	44.76	19	99.7	K5	GC	211	P -55 22
67	8.1	7.5W	9 36.295	0.0093	04	-58 48 4.19	-0.146	04	0.14	36.266	14	46.9	3.73	14	46.9	G5	C0	52	P -59 10
68	9.8	8.7W	9 36.621	0.0039	07	-54 38 36.19	-0.043	07	0.18	36.577	15	38.9	35.71	18	38.9	K0	C9	50	P -55 24
69	9.6E	9.1H	9 47.564	-0.0039	12	-50 58 41.42	-0.018	12	0.64	47.747	31	02.8	40.58	31	02.8	K0	CZ	61	P -51 22
70	10.2	10.0W	10 0.995	0.0053	09	-56 41 28.53	0.032	09	0.14	0.979	14	46.9	28.63	14	46.9	F5	C0	54	P -57 35
71	10.0	9.2W	10 2.415	-0.0002	09	-52 36 40.09	-0.090	09	0.19	2.417	15	38.9	39.09	18	38.9	K0	C9	51	P -53 26
72	10.0	9.6W	10 11.975	-0.0066	11	-59 47 7.21	-0.024	11	0.14	11.995	14	46.9	7.13	14	46.9	G5	C0	34	P -60 11
73		7.2T	10 22.644	-0.0151	12	-58 11 29.20	0.023	10	0.55	23.366	19	04.7	30.32	17	02.2	G5	GC	229	P -58 10
74	11.1E	9.7Z	10 57.950	0.0020	12	-51 21 2.76	0.022	12	0.64	57.856	31	02.8	3.79	31	02.8		CZ	67	P -51 23
75	9.5	9.0W	11 20.626	0.0143	07	-52 50 57.31	-0.001	07	0.18	20.467	15	38.9	57.29	18	38.9	G0	C9	53	P -53 30
76		7.2T	11 24.413	0.0134	09	-57 16 41.62	0.058	07	0.49	23.633	18	97.5	45.00	15	91.7	F8	GC	255	P -57 42
77	9.4	9.0W	11 25.699	0.0263	07	-52 49 20.72	-0.092	07	0.18	25.407	15	38.9	19.69	18	38.9	G0	C9	54	P -53 31
78	10.1	9.8W	11 32.262	0.0042	07	-57 8 21.45	0.027	07	0.14	32.249	14	46.9	21.53	14	46.9	F5	C0	67	P -57 43
79		6.7T	11 46.408	-0.0002	10	-55 20 50.11	-0.028	08	0.51	46.421	19	99.2	48.49	18	92.4	F5	GC	262	P -55 35
80	9.1E	8.2H	12 2.045	-0.0025	12	-50 8 32.00	-0.028	12	0.63	2.163	31	03.5	30.70	28	03.5	K0	GC	76	P -50 26
81	10.2E	9.9H	12 55.804	-0.0005	12	-50 28 31.35	-0.036	12	0.63	55.828	31	03.4	29.69	28	03.4	G0	GC	86	P -50 28
82	9.9E	9.1H	13 26.334	0.0025	12	-50 26 42.05	-0.024	12	0.69	26.224	45	05.3	40.99	45	05.3	K0	GC	89	P -50 29
83	9.4	8.1W	13 37.190	0.0013	06	-59 3 6.14	-0.003	06	0.14	37.186	14	46.9	6.13	14	46.9	K0	C0	79	P -59 19
84	9.9	8.9W	13 55.377	0.0009	07	-51 53 19.20	-0.045	07	0.18	55.367	15	38.9	18.69	18	38.9	K0	C9	64	P -52 22
85	9.7	9.3W	14 4.496	-0.0009	07	-56 30 6.71	-0.025	07	0.14	4.499	14	46.9	6.63	14	46.9	F8	C0	80	P -56 51
86		7.9T	14 4.901	0.0008	17	-55 44 49.49	0.009	12	0.71	4.864	21	05.4	49.93	19	01.2	K0	GC	320	P -56 52
87		7.0T	14 24.291	0.0323	14	-52 55 52.54	0.206	12	0.66	22.735	17	01.9	+ 3.06	15	98.9	G0	GC	333	P -53 42
88	8.6	7.5W	14 31.227	-0.0002	07	-58 25 46.52	0.004	07	0.14	31.228	14	46.9	46.53	14	46.9	K0	C0	82	P -58 14
89	9.7	9.4W	14 56.154	0.0096	07	-51 47 59.14	-0.031	07	0.18	56.047	15	38.9	58.79	18	38.9	F8	C9	69	P -52 24
90	10.2	9.2W	15 39.644	0.0015	07	-51 56 54.51	-0.001	07	0.18	39.627	15	38.9	54.49	18	38.9	K0	C9	70	P -52 25
91	9.7	9.3W	15 42.724	0.0024	07	-53 14 35.23	-0.192	07	0.18	42.697	15	38.9	33.09	18	38.9	G0	C9	71	P -53 48
92	9.9	9.7W	15 51.275	-0.0020	07	-52 24 5.10	0.017	07	0.18	51.297	15	38.9	5.29	18	38.9	G0	C9	72	P -52 26
93		7.3T	15 52.929	-0.0043	11	-50 10 58.99	-0.063	09	0.44	53.105	15	09.4	56.26	15	07.1	K0	GC	371	C -50 54
94	10.2	9.5W	16 1.057	0.0047	06	-55 42 13.73	0.006	06	0.18	1.005	15	38.9	13.79	18	38.9	G5	C9	74	P -56 59
95	10.0	10.1W	16 24.675	0.0032	11	-59 45 5.00	0.010	11	0.14	24.666	14	46.9	5.03	14	46.9	A0	C0	80	P -60 23
96	10.0	9.5W	16 30.933	-0.0074	13	-59 24 29.70	-0.087	13	0.15	30.956	14	46.9	29.43	14	46.9	G5	C0	92	P -59 23
97	10.4	9.3W	16 40.141	0.0038	13	-56 44 18.04	0.028	13	0.15	40.129	14	46.9	18.13	14	46.9	K0	C0	93	P -57 63
98		7.8T	16 55.976	0.0020	14	-54 7 18.04	0.007	12	0.66	55.882	21	03.6	18.39	19	99.2	K5	GC	390	P -54 62
99		8.0T	16 59.150	0.0082	12	-59 58 2.67	-0.076	10	0.53	58.773	19	05.8	-59.16	18	03.8	G5	GC	391	P -60 24
00		8.6T	17 3.033	-0.0002	16	-54 17 19.94	-0.058	12	0.67	3.041	21	06.0	17.11	19	01.3	F8	GC	392	P -54 63

232000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 0H DM NUMBER
1		7.3T	0 17 7.623	0.0036	17	-50 42 25.01	0.007	13	0.77	7.450	19	02.1	25.35	18	98.6	K5	GC	395	C -51 69
2	10.0	9.7W	17 18.088	-0.0005	11	-57 7 44.44	0.030	11	0.14	18.089	14	46.9	44.53	14	46.9	G0	CO	95	P -57 67
3	9.8	8.9W	17 50.837	0.0014	05	-52 15 21.85	-0.014	05	0.18	50.857	15	38.9	21.69	18	38.9	K0	C9	78	P -52 27
4	10.1	8.6W	17 55.050	0.0004	07	-57 26 26.57	-0.013	07	0.14	55.049	14	46.9	26.53	14	46.9	K	CO	97	P -57 70
5	9.6	9.0W	18 38.756	0.0032	06	-59 2 14.75	-0.038	06	0.14	38.746	14	46.9	14.63	14	46.9	G0	CO	99	P -59 26
6	9.3	9.1W	18 55.543	0.0050	07	-54 51 3.72	0.008	07	0.18	55.487	15	38.9	3.81	18	38.9	A2	C9	82	P -55 64
7		8.7T	19 9.434	0.0009	16	-54 32 29.73	-0.017	12	0.69	9.391	21	04.6	28.88	19	00.5	F0	GC	435	P -54 73
8		6.7T	19 54.816	0.0082	15	-51 16 13.69	0.047	12	0.71	54.413	17	00.9	16.15	18	97.1	K0	GC	447	C -51 83
9	9.9	9.3W	20 6.596	0.0129	09	-59 17 56.53	-0.064	09	0.14	6.556	14	46.9	56.33	14	46.9	G5	CO	104	P -59 29
10	9.4	9.1W	20 7.284	0.0089	07	-58 35 32.91	-0.026	07	0.14	7.256	14	46.9	32.83	14	46.9	F5	CO	105	P -59 30
11	10.2	9.6W	20 13.471	0.0012	09	-52 26 2.05	0.004	09	0.19	13.457	15	38.9	2.09	18	38.9	G3	C9	87	P -52 34
12	9.2	8.3W	20 24.383	0.0140	07	-53 30 5.33	0.016	07	0.18	24.227	15	38.9	5.50	18	38.9	G5	C9	88	P -53 76
13	10.4	9.9W	20 30.554	0.0096	11	-52 47 49.40	-0.469	11	0.21	30.447	15	38.9	44.19	18	38.9	K0	C9	90	P -53 77
14	9.9	9.6W	20 32.074	0.0082	13	-57 26 45.07	0.020	13	0.15	32.049	14	46.9	45.13	14	46.9	G0	CO	106	P -57 78
15		7.6T	20 43.584	0.0000	17	-50 49 32.58	0.013	13	0.77	43.584	19	02.3	33.22	18	99.1	K2	GC	462	C -51 88
16		8.1T	21 2.614	0.0000	14	-54 7 0.43	0.023	12	0.66	2.613	21	03.6	1.57	19	00.3	A2	GC	464	P -54 83
17		7.7T	21 8.415	-0.0061	13	-54 19 53.18	0.021	11	0.63	8.711	19	01.3	54.27	18	97.5	K0	GC	466	P -54 85
18	10.0	9.7W	21 11.129	-0.0107	07	-52 17 29.78	-0.017	07	0.18	11.247	15	38.9	29.59	18	38.9	G3	C9	95	P -52 35
19		8.3T	21 16.199	-0.0007	13	-54 48 54.87	0.002	11	0.60	16.232	19	05.6	54.96	18	02.3	K2	GC	469	P -55 74
20	10.2E	9.9H	21 19.926	0.0008	12	-50 12 57.74	-0.002	12	0.63	19.890	31	03.5	57.65	28	03.5	G0	CZ	152	P -50 47
21	10.5	9.8W	21 32.247	0.0092	15	-55 31 45.54	0.032	15	0.24	32.145	15	38.9	45.89	18	38.9	G8	C9	99	P -55 78
22	10.2	9.7W	21 41.427	0.0127	15	-55 24 22.75	-0.014	15	0.24	41.286	15	38.9	22.59	18	38.9	G3	C9	101	P -55 80
23	9.6	9.0W	21 44.663	-0.0044	07	-59 6 49.08	-0.241	07	0.14	44.676	14	46.9	48.33	14	46.9	G0	CO	110	P -59 31
24		7.7T	21 47.652	0.0049	15	-54 50 35.09	-0.071	12	0.68	47.422	21	03.5	31.50	19	99.5	F0	GC	478	P -55 81
25	9.5	9.1W	21 56.345	0.0115	09	-56 55 37.91	0.040	09	0.14	56.309	14	46.9	38.03	14	46.9	G5	CO	111	P -57 84
26	10.6	9.5W	22 14.703	-0.0019	09	-57 18 48.39	-0.019	09	0.14	14.709	14	46.9	48.33	14	46.9	K1	CO	113	P -57 86
27		6.9T	22 16.780	0.0607	08	-51 19 3.02	-0.264	06	0.30	14.357	09	10.1	51.46	09	06.3	G0	GC	484	C*-51 95
28		7.4T	22 17.073	0.0245	14	-54 15 38.32	-0.032	10	0.64	15.929	21	03.3	36.60	18	96.5	G0	GC	485K	P -54 91
29	10.4	9.6W	22 17.391	-0.0032	15	-55 27 17.73	-0.012	15	0.24	17.426	15	38.9	17.59	18	38.9	G5	C9	104	P -55 85
30	9.6	9.5W	22 23.361	0.0073	07	-58 17 28.63	0.000	07	0.14	23.338	14	46.9	28.63	14	46.9	F5	CO	114	P -58 23
31	9.0	8.6W	22 38.059	0.0173	07	-51 45 21.25	-0.032	07	0.18	37.867	15	38.9	20.89	18	38.9	F8	C9	105	P -52 37
32	9.7	8.8W	22 52.490	0.0014	07	-58 32 33.43	0.002	07	0.14	52.486	14	46.9	33.43	14	46.9	G5	CO	117	P -58 25
33	9.6	9.9W	23 5.207	0.0036	11	-58 42 55.12	0.004	11	0.14	5.196	14	46.9	55.13	14	46.9	A0	CO	118	P -59 34
34	9.5E	9.3H	23 5.879	-0.0009	12	-50 47 40.46	0.006	12	0.80	5.918	63	05.8	40.74	57	05.8	G0	CZ	163	P -51 51
35		7.5T	23 13.401	0.0001	17	-51 40 47.90	0.015	13	0.75	13.394	17	02.8	48.65	18	00.5	G5	GC	505	P -52 38
36	8.7E	9.1H	23 17.783	0.0159	12	-51 6 54.65	0.008	12	0.80	17.080	63	05.8	55.01	57	05.8	F2	CZ	166	P -51 53
37	10.3	9.8W	23 32.744	0.0006	15	-54 57 29.28	0.020	15	0.24	32.737	15	38.9	29.51	18	38.9	K0	C9	107	P -55 89
38	9.1E	9.1H	23 35.464	0.0016	12	-50 39 31.24	0.000	12	0.63	35.389	31	03.5	31.25	28	03.5	F8	CZ	169	P -51 55
39	9.8	9.5W	23 39.601	0.0072	06	-56 31 57.79	0.014	06	0.14	39.579	14	46.9	57.83	14	46.9	G0	CO	120	P -56 79
40	9.9	9.5W	23 45.424	-0.0012	13	-52 59 38.42	0.061	13	0.22	45.437	15	38.9	39.09	18	38.9	G2	C9	109	P -53 83
41	9.4	9.2W	23 47.121	0.0039	07	-51 54 55.25	-0.050	07	0.18	47.077	15	38.9	54.69	18	38.9	A3	C9	110	P -52 39
42	9.2	9.2W	23 52.640	-0.0054	06	-59 4 20.97	-0.013	06	0.14	52.656	14	46.9	20.93	14	46.9	A5	CO	124	P -59 37
43	10.8	9.7W	24 14.289	0.0041	07	-59 14 6.58	-0.015	07	0.14	14.276	14	46.9	6.53	14	46.9	K1	CO	128	P -59 38
44	10.1	9.1W	24 35.937	0.0066	07	-59 11 13.87	-0.012	07	0.14	35.916	14	46.9	13.83	14	46.9	G5	CO	132	P -59 39
45	9.8	8.4W	24 39.207	-0.0018	07	-54 22 0.41	-0.019	07	0.18	39.227	15	38.9	0.20	18	38.9	K2	C9	112	P -54 100
46	9.2	9.0W	24 54.014	0.0026	09	-59 29 19.35	0.026	09	0.14	54.006	14	46.9	19.43	14	46.9	A5	CO	133	P -59 40
47		9.2T	25 7.106	0.0057	20	-59 13 46.71	0.009	15	0.86	6.822	22	04.1	47.17	21	99.9	G5	GC	537	P*-59 41
48	10.4	9.9W	25 12.682	-0.0023	15	-52 52 56.43	-0.003	15	0.24	12.707	15	38.9	56.39	18	38.9	F2	C9	113	P -53 87
49	9.2E	9.2H	25 14.233	0.0005	12	-51 1 26.61	0.017	12	0.80	14.210	63	05.8	27.37	57	05.8	A	CZ	185	P -51 57
50	10.2	9.3W	25 34.112	-0.0052	13	-57 31 16.58	0.016	13	0.15	34.128	14	46.9	16.63	14	46.9	K0	CO	135	P -57 94
51	9.7E	9.7H	0 25 36.618	0.0064	12	-50 0 45.93	-0.008	12	0.63	36.321	31	03.5	45.57	28	03.5	F5	CZ	186	P -50 56
52		7.7T	25 38.584	0.0067	14	-53 13 44.35	0.008	12	0.63	38.279	18	04.8	44.73	19	01.9	K0	GC	549	P -53 88
53		8.2T	25 50.759	0.0069	15	-54 53 58.12	0.027	12	0.68	50.435	18	02.8	59.46	17	00.2	G5	GC	555K	P*-55 94
54		9.0T	25 51.440	-0.0133	16	-50 54 16.70	-0.050	11	0.69	52.058	24	03.4	14.07	21	97.9	F8	GC	556	C -51 109
55		6.4T	26 18.270	0.0158	11	-50 48 33.00	0.004	08	0.56	17.456	18	98.5	33.21	17	92.0	K0	GC	564	C -51 113
56		9.7T	26 18.525	-0.0006	13	-56 0 57.97	-0.024	11	0.62	18.556	22	04.3	56.79	21	00.9	F	GC	565	P -56 82
57		8.0T	26 18.627	0.0035	14	-54 42 27.44	0.002	11	0.65	18.466	21	03.5	27.54	19	99.0	K0	GC	566	P -55 99
58	10.4	10.2W	26 27.377	0.0027	15	-54 2 18.73	0.015	15	0.24	27.347	15	38.9	18.90	18	38.9	F5	C9	123	P -54 106
59	10.1	9.2W	26 27.401	-0.0024	07	-53 20 8.10	-0.019	07	0.18	27.427	15	38.9	7.89	18	38.9	G4	C9	124	P -53 94
60	10.0E	9.7H	26 32.551	0.0004	12	-50 19 43.38	0.011	12	0.61	32.534	28	04.1	43.90	26	04.1	A0	CZ	198	P -50 61
61	10.0	9.2W	26 36.976	0.0053	07	-54 33 43.64	0.034	07	0.18	36.917	15	38.9	44.01	18	38.9	K0	C9	125	P -54 107
62		9.5T	26 44.660	0.0321	16	-50 53 11.31	-0.139	12	0.69	43.196	24	04.4	4.60	21	01.9	G5	GC	571	C -51 116
63		9.1T	26 46.194	0.0017	11	-55 54 55.50	0.006	11	0.57	46.109	19	00.0	55.80	19	99.5	K0	GC	572	P -56 83
64	10.3E	8.9H	27 13.877	0.0052	12	-51 9 21.15	-0.003	12	0.80	13.647	63	05.8	21.03	57	05.8	K0	CZ	205	P -51 67
65	9.5E	9.1H	27 26.409	-0.0003	12	-50 58 31.05	0.022	12	0.80	26.421	63	05.8	32.03	57	05.8	F5	CZ	207	P -51 69
66	9.6	9.3W	27 26.777	-0.0008	08	-55 1 21.15	0.031	08	0.19	26.786	15	38.9	21.49	18	38.9	F8	C9	132	P -55 102
67	10.4		27 49.124	0.0027	09	-59 36 51.12	-0.029	09	0.14	49.115	14	46.9	51.03	14	46.9	G8	CO	142	P -60 39
68	10.5	10.1W	27 50.095	-0.0014	09	-56 37 44.33	0.031	09	0.14	50.099	14	46.9	44.43	14	46.9	F6	CO	144	P -57 102
69	10.7	9.1W	27 55.947	0.0046	07	-55 18 42.85	-0.005	07	0.18	55.896	15	38.9	42.79	18	38.9	K5	C9	134	P -55 106
70		7.8T	28 17.880	0.0042	14	-55 14 47.74	0.038	11	0.65	17.667	21	03.5	49.67	19	99.0	A3	GC	603	P -55 107
71	9.6	9.1W	28 27.492	0.0010	13	-56 52 18.28	0.081	13	0.15	27.489	14	46.9	18.53	14	46.9	K0	CO	149	P -57 105
72	10.7E	9.5Z	28 29.457	0.0010	12	-51 7 16.31	-0.003	12	0.64	29.410	31	02.8	16.18	31	02.8		CZ	217	P -51 70
73	10.0	8.4W	28 39.174	0.0033	07	-52 13 45.33	0.006	07	0.18	39.138	15	38.9	45.39	18	38.9	K5	C9	137	P -52 52
74	10.0E	9.0Z	28 42.451	0.0008	12	-51 30 13.11	-0.019	12	0.64	42.413	31	02.8	12.20	31	02.8		CZ	222	P -51 73
75	10.5	8.8W	28 53.687	0.0009	09	-51 55 31.79	-0.009	09	0.19	53.677	15	38.9	31.69	18	38.9	K5	C9	138	P -52 53
76		8.2T	28 59.865	-0.0019	16	-56 31 1.74	-0.005	12	0.70	59.960	22	04.8	1.49	19	00.5	K0	GC	617	P -56 92
77	9.4	8.5W	29 5.742	0.0014	06	-55 9 32.06	0.021	06	0.18	5.726	15	38.9	32.29	18	38.9	K0	C9	140	P -55 108
78		7.8T	29 13.752	0.0039	15	-53 23 38.40	0.002	12	0.68	13.568	21	03.3	38.49	19	98.9	A2	GC	623	P -53 105
79	10.2	9.7W	29 22.503	0.0041	13	-53 45 20.55	-0.013	13	0.22	22.457	15	38.9	20.40	18	38.9	G5	C9	143	P -54 120
80	10.2	9.9W	29 33.959	0.0063	09	-57 14 27.88	0.017	09	0.14	33.939	14	46.9	27.93	14	46.9	F6	CO	154	P -57 110
81	9.1	8.6W	29 58.607	0.0063	05	-52 15 58.66	-0.015	05	0.18	58.537	15	38.9	58.49	18	38.9	F8	C9	146	P -52 56
82	11.3E	9.7Z	30 20.398	0.0030	12	-50 17 13.59	-0.011	12	0.63	20.256	31	03.5	13.09	28	03.5		CZ	234	P -50 64
83		10.0T	30 30.242	-0.0036	14	-56 11 44.73	-0.016	12	0.68	30.425	24	02.6	43.89	22	99.0	F8	GC	652	P -56 99
84	10.0	9.1W	30 48.336	0.0021	07	-54 25 48.83	-0.011	07	0.18	48.315	15	38.9	48.72	18	38.9	K2	C9	149	P -54 127
85	9.3	9.6W	31 4.333	-0.0037	07	-53 28 18.19	0.011	07	0.18	4.375	15	38.9	18.31	18	38.9	B8	C9	152	P -53 112
86	10.6	9.0W	31 5.618	0.0003	06	-59 5 4.98	-0.017	06	0.14	5.616	14	46.9	4.92	14	46.9	K2	CO	156	P -59 45
87		7.5T	31 9.377	-0.0009	10	-55 36 15.48	0.002	10	0.56	9.426	21	00.2	15.57	18	95.1	A2	GC	662K	P*-56 103
88		8.0T	31 40.915	-0.0009	14	-57 21 39.78	-0.002	12	0.71	40.960	22	01.3	39.66	21	97.8	G5	GC	676	P -57 115
89	10.8E	9.3Z	31 44.205	0.0019	12	-51 19 32.19	0.030	12	0.65	44.117	31	02.7	33.60	31	02.7		CZ	242	P -51 80
90	8.8	7.5W	31 44.898	0.0097	06	-58 28 38.85	0.022	06	0.14	44.868	14	46.9	38.92	14	46.9	K0	CO	159	P -58 30
91		5.5H	32 5.396	0.0246	03	-52 38 57.06	0.036	03	0.14	4.523	06	14.5	58.41	06	12.5	F5	F4	1014	P -53 117
92	10.0	9.7W	32 7.500	-0.0022	15	-54 18 4.87	0.004	15	0.24	7.525	15	38.9	4.92	18	38.9	F5	C9	156	P -54 132
93	10.4	9.4W	32 17.873	0.0015	11	-57 30 30.47	0.016	11	0.14	17.868	14	46.9	30.52	14	46.9	MA	CO	160	P -57 116
94	9.8	9.6W	32 23.398	-0.0001	09	-58 13 6.02	0.001	09	0.14	23.398	14	46.9	6.02	14	46.9	F5	CO	161	P -58 31
95	10.2	9.3W	32 29.084	-0.0046	14	-53 31 53.34	0.052	14	0.23	29.135	15	38.9	53.92	18	38.9	K0	C9	160	P -53 120
96	9.6	9.1W	32 29.840	0.0044	11	-59 9 37.68	-0.020	11	0.14	29.826	14	46.9	37.62	14	46.9	CO	CO	162	P -59 46
97	8.9	8.9W	32 43.583	-0.0119	06	-56 28 31.13	-0.071	06	0.14	43.620	14	46.9	30.91	14	46.9	F0	CO	163	P -56 109
98		8.9Q	32 52.451	0.0003	15	-53 49 26.74	0.006	12	0.69	52.438	18	03.2	27.06	19	99.7	A0	GC	699K	P*-54 136
99		5.9T	33 13.762	0.0033	09	-55 5 47.29	-0.048	08	0.51	13.561	19	94.3	44.36	17	89.6	K0	GC	705	P -55 117
00	10.5	10.1W	33 19.074	0.0016	13	-57 24 1.42	0.031	13	0.15	19.069	14	46.9	1.52	14	46.9	F2	CO	166	P -57 119

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EPOCH 1950

ORIGINAL EPOCH

-50° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.9W	0 33 21.703	-0.0029	15	-54 18 58.99	-0.034	15	0.24	21.735	15	38.9	58.62	18	38.9	G0	C9	164	P -54 139
2	10.1E	9.3M	33 25.084	0.0015	12	-50 33 49.79	-0.000	12	0.61	25.026	31	04.8	49.78	28	04.8	K0	CZ	256	P -50 72
3	9.3	9.0W	33 26.436	-0.0027	08	-55 26 43.24	-0.060	08	0.19	26.466	15	38.9	42.57	18	38.9	F2	C9	165	P -55 118
4	10.2	10.0W	33 36.144	0.0043	15	-55 6 51.10	0.043	15	0.24	36.097	15	38.9	51.57	18	38.9	A2	C9	166	P -55 119
5		6.9T	33 44.109	0.0118	07	-59 59 32.22	-0.013	08	0.35	43.590	12	07.1	31.63	12	06.1	A5	GC	723	P -60 42
6	10.1	9.5W	33 46.017	-0.0025	07	-54 43 40.46	0.033	07	0.18	46.045	15	38.9	40.83	18	38.9		C9	169	P -55 122
7	10.2	9.6W	33 46.198	-0.0078	15	-54 41 57.62	-0.072	15	0.24	46.285	15	38.9	56.83	18	38.9	F0	C9	170	P -55 123
8	10.6	9.7W	33 46.352	0.0023	15	-55 4 9.10	0.025	15	0.24	46.327	15	38.9	9.37	18	38.9	G5	C9	171	P -55 124
9	10.2	9.8W	33 57.835	0.0008	13	-55 6 33.90	0.016	13	0.22	57.827	15	38.9	34.07	18	38.9	G0	C9	172	P -55 125
10	8.6	8.4W	34 10.443	0.0049	06	-58 29 3.99	0.010	06	0.14	10.428	14	46.9	4.02	14	46.9	F8	CO	170	P -58 33
11	10.2	9.1W	34 14.451	0.0071	09	-57 22 13.21	0.006	09	0.14	14.429	14	46.9	13.22	14	46.9	K2	CO	172	P -57 123
12	10.2	9.8W	34 49.429	0.0013	15	-54 45 11.69	0.021	15	0.24	49.415	15	38.9	11.93	18	38.9	F5	C9	175	P -55 128
13	10.2	9.7W	34 56.216	-0.0017	15	-54 23 2.88	0.005	15	0.24	56.235	15	38.9	2.92	18	38.9	F8	C9	176	P -54 143
14		6.4T	34 58.778	0.0066	08	-54 40 8.53	-0.015	07	0.48	58.406	19	93.7	7.67	17	90.9	K0	GC	745	P -55 130
15	9.8	8.5W	35 1.123	0.0008	11	-53 17 28.87	-0.014	11	0.21	1.115	15	38.9	28.71	18	38.9	K2	C9	178	P -53 129
16	10.2	9.4W	35 10.034	0.0079	13	-55 55 24.54	-0.008	13	0.15	10.010	14	46.9	24.51	14	46.9	K0	CO	176	P -56 118
17		7.9T	35 14.035	-0.0025	16	-53 59 45.02	0.001	12	0.71	14.152	18	03.4	45.09	19	00.2	K0	GC	749	P -54 144
18		8.7T	35 18.781	0.0006	12	-55 56 6.50	-0.008	11	0.60	18.750	21	01.5	6.07	19	98.7	K8	GG	750	P -56 121
19	10.1	9.0W	35 40.801	0.0010	09	-58 20 11.99	-0.021	09	0.14	40.798	14	46.9	11.92	14	46.9	K5	CO	179	P -58 36
20		8.0T	35 41.785	-0.0007	17	-51 0 32.63	-0.023	13	0.77	41.819	18	02.3	31.47	18	99.3	A2	GC	755	C -51 154
21	10.3	10.0W	36 4.766	0.0025	09	-58 23 29.24	-0.037	09	0.14	4.758	14	46.9	29.12	14	46.9		CO	180	P -58 37
22	10.9E	9.5Z	36 8.182	0.0020	12	-51 19 56.27	0.014	12	0.64	8.087	31	02.8	56.94	31	02.8		CZ	276	P -51 95
23	9.9	9.0W	36 13.734	0.0063	05	-52 40 50.65	0.006	05	0.18	13.665	15	38.9	50.71	18	38.9	G8	C9	184	P -53 135
24	11.1E	9.6Z	36 16.781	0.0039	12	-50 11 2.32	-0.007	12	0.61	16.606	31	04.8	2.03	28	04.8		CZ	279	P -50 80
25	10.7	9.8W	36 17.437	-0.0008	15	-55 37 25.14	0.012	15	0.24	17.446	15	38.9	25.27	18	38.9	G8	C9	185	P -56 122
26	10.4	10.1W	36 17.654	0.0035	15	-54 6 58.29	0.047	15	0.24	17.615	15	38.9	58.82	18	38.9	G0	C9	186	P -54 149
27	10.2	8.5W	36 19.915	0.0009	05	-53 53 32.01	0.036	05	0.18	19.905	15	38.9	32.42	18	38.9	K5	C9	187	P -54 150
28	9.2	9.1W	36 22.851	0.0006	09	-57 12 25.60	0.008	09	0.14	22.849	14	46.9	25.62	14	46.9	A5	CO	183	P -57 131
29	9.7	8.7W	36 28.019	0.0064	09	-56 56 24.42	0.001	09	0.14	27.999	14	46.9	24.42	14	46.9	G5	CO	184	P -57 132
30	9.1	7.9W	36 36.395	-0.0009	07	-52 36 41.83	0.008	07	0.18	36.405	15	38.9	41.91	18	38.9	K0	C9	188	P -53 136
31	9.3	8.6W	36 36.477	0.0058	06	-56 37 32.27	-0.016	06	0.14	36.459	14	46.9	32.22	14	46.9	G0	CO	185	P -57 133
32	8.5	8.2W	36 36.893	0.0062	06	-52 48 31.03	-0.019	06	0.18	36.825	15	38.9	30.81	18	38.9	F5	C9	189	P -53 137
33	10.4	9.2W	36 52.858	0.0003	05	-52 52 46.49	-0.007	05	0.18	52.855	15	38.9	46.41	18	38.9	K2	C9	190	P -53 138
34		6.9T	36 54.892	0.0077	13	-58 14 32.00	-0.034	10	0.57	54.518	19	05.5	30.36	17	01.7	F8	GC	780	P -58 39
35	10.0	9.7W	37 13.372	-0.0019	09	-58 7 24.52	-0.032	09	0.14	13.378	14	46.9	24.42	14	46.9	F5	CO	188	P -58 40
36	9.6	9.5W	37 21.882	0.0019	07	-59 47 16.53	-0.004	07	0.14	21.876	14	46.9	16.52	14	46.9	A5	CO	133	P -60 45
37	10.3	10.2W	37 25.602	0.0038	13	-56 14 2.11	0.034	13	0.15	25.590	14	46.9	2.21	14	46.9	F3	CO	191	P -56 124
38		8.5T	37 46.759	0.0072	15	-52 1 9.45	0.003	12	0.69	46.422	21	03.3	9.59	19	99.5	K0	GC	794	P -52 74
39	9.5	9.0W	37 48.993	0.0071	08	-54 52 18.32	-0.045	08	0.19	48.915	15	38.9	17.83	18	38.9	F8	C9	193	P -55 141
40	10.3	9.0W	37 49.463	-0.0038	15	-53 6 13.92	-0.000	15	0.24	49.505	15	38.9	13.91	18	38.9	K5	C9	194	P -53 141
41	10.3	10.1W	37 52.424	-0.0037	15	-53 39 9.98	-0.015	15	0.24	52.465	15	38.9	9.82	18	38.9	F5	C9	195	P#-54 153
42	10.1	9.6W	37 53.202	0.0105	13	-56 28 2.24	-0.073	13	0.15	53.170	14	46.9	2.01	14	46.9	G2	CO	194	P -56 126
43		5.8T	38 6.240	0.1180	06	-59 44 6.39	0.454	06	0.28	0.587	12	08.1	28.12	12	02.1	G0	GC	801	P -60 46
44	10.4	9.9W	38 9.052	0.0041	13	-56 31 56.73	-0.002	13	0.15	9.039	14	46.9	56.72	14	46.9	G0	CO	196	P -56 128
45		7.4T	38 12.875	0.0052	14	-55 47 9.33	0.049	11	0.65	12.603	21	03.1	11.87	19	97.8	K2	GC	806	P -56 129
46	9.5	8.6W	38 22.255	0.0009	07	-52 36 48.76	-0.004	07	0.18	22.245	15	38.9	48.71	18	38.9	K0	C9	197	P -53 144
47	8.5	8.2W	38 29.482	0.0051	07	-58 44 26.19	0.009	07	0.14	29.466	14	46.9	26.22	14	46.9	F5	CO	197	P -59 49
48		7.4T	38 32.780	0.0153	13	-53 29 0.78	-0.045	11	0.64	32.042	18	01.8	58.45	19	97.9	F8	GC	815	P -53 145
49	10.7E	9.5Z	38 37.073	0.0025	12	-50 41 27.61	-0.008	12	0.60	36.960	28	04.8	27.23	26	04.8		CZ	296	P -51 103
50	10.9E	9.9Z	39 7.791	-0.0025	12	-51 30 56.89	-0.033	12	0.65	7.909	31	02.4	55.32	31	02.4		CZ	299	P -51 108
51	9.4	9.2W	0 39 17.704	0.0084	07	-59 33 50.74	-0.005	07	0.14	17.675	14	46.9	50.72	14	46.9	F8	CO	200	P -59 51
52		5.8T	39 30.000	0.0106	06	-56 46 34.68	0.050	05	0.27	29.521	12	11.0	36.92	12	04.9	F0P	GC	830K	P#-57 143
53	9.1	8.7W	39 42.580	0.0059	07	-53 28 29.66	0.176	07	0.18	42.515	15	38.9	31.61	18	38.9	F8	C9	201	P -53 153
54		8.1B	39 43.739	-0.0050	11	-56 3 20.74	-0.030	09	0.56	44.015	19	00.0	19.06	18	94.7	G0	GC	839K	P#-56 132
55		8.6B	39 43.927	-0.0050	18	-56 3 25.90	-0.004	14	0.81	44.179	24	04.2	25.66	21	99.5		GC	840K	P -56 132
56		8.1T	40 16.259	-0.0117	13	-54 23 29.06	-0.150	11	0.63	16.814	21	02.6	21.39	19	98.7	G5	GC	847K	P -54 160
57		8.5T	40 18.051	-0.0089	13	-54 23 21.31	-0.163	11	0.64	18.467	21	03.3	12.97	19	98.7	G5	GC	848K	P -54 159
58	10.0	8.6W	40 18.878	0.0005	07	-58 54 0.11	-0.029	07	0.14	18.876	14	46.9	0.02	14	46.9	K2	CO	206	P -59 52
59		8.9T	40 26.615	-0.0013	11	-56 7 4.39	-0.019	10	0.53	26.678	18	06.6	3.44	19	01.1	K5	GC	852	P -56 133
60	10.1E	9.0Z	40 51.283	0.0037	12	-50 52 28.81	-0.027	12	0.81	51.116	63	04.9	27.58	57	04.9		CZ	312	P -51 113
61	9.0	8.7W	41 0.016	-0.0044	07	-54 13 32.94	-0.003	07	0.18	0.065	15	38.9	32.92	18	38.9	F5	C9	211	P -54 162
62		4.5M	41 6.809	-0.0002	03	-57 44 13.25	0.016	02	0.11	6.816	06	17.4	13.77	05	16.7	A0	F4	23	P -58 42
63	10.5	10.1W	41 12.341	-0.0084	14	-53 29 46.27	0.022	14	0.23	12.435	15	38.9	46.51	18	38.9	F5	C9	212	P -53 160
64	9.0E	8.8M	41 17.373	-0.0023	12	-51 15 0.66	-0.003	12	0.65	17.482	31	02.4	0.53	31	02.4	F2	CZ	319	P -51 117
65		8.4T	42 11.273	0.0011	14	-53 6 42.10	-0.005	11	0.59	11.227	18	08.6	41.88	18	01.5	K2	GC	886	P -53 168
66	10.8	9.2W	42 11.309	0.0022	07	-54 27 4.98	-0.006	07	0.18	11.285	15	38.9	4.92	18	38.9	K2	C9	218	P -54 164
67		8.2T	42 13.721	-0.0025	16	-54 35 12.43	0.020	12	0.69	13.833	21	04.9	13.46	19	99.3	F0	GC	887	P -54 165
68		6.5T	42 42.237	0.0250	11	-53 59 18.60	-0.004	09	0.55	41.046	21	02.3	18.41	19	96.6	F8	GC	902	P -54 166
69	9.6	9.2W	42 49.379	0.0004	08	-53 30 31.93	0.035	08	0.19	49.375	15	38.9	32.32	18	38.9	G0	C9	222	P -53 172
70	10.2E	8.8M	43 1.546	-0.0017	12	-50 54 1.24	-0.001	12	0.65	1.627	31	02.4	1.17	31	02.4	K2	CZ	334	P -51 120
71		9.0T	43 15.272	-0.0020	16	-54 36 26.12	0.054	12	0.71	15.362	21	04.4	28.85	19	99.8	G0	GC	914	P#-55 149
72	10.6	9.7W	43 23.910	0.0034	12	-56 35 47.88	-0.017	12	0.15	23.899	14	46.9	47.82	14	46.9	G4	CO	217	P -57 156
73	10.2	9.3W	43 25.899	0.0004	06	-57 35 0.25	-0.009	06	0.14	25.898	14	46.9	0.22	14	46.9	K0	CO	218	P -57 157
74	10.4	9.9W	43 28.538	0.0030	08	-58 12 44.94	-0.005	08	0.14	28.528	14	46.9	44.92	14	46.9	K5	CO	219	P -58 45
75	10.2	9.1W	44 8.048	0.0005	09	-58 32 26.38	-0.020	09	0.14	8.046	14	46.9	26.32	14	46.9	K2	CO	222	P -58 46
76	10.7E	9.7Z	44 10.079	0.0026	12	-50 20 1.21	0.002	12	0.59	9.965	28	05.6	1.28	26	05.6		CZ	344	P -50 111
77		7.2T	44 12.123	0.0093	14	-58 12 2.54	-0.002	11	0.56	11.702	17	09.9	2.45	17	05.0	K0	GC	932	P -58 47
78	10.0E	9.7H	44 22.211	0.0138	12	-51 4 32.10	0.090	12	0.81	21.587	63	04.9	36.14	57	04.9	F8	CZ	346	P -51 121
79		7.9T	44 22.633	-0.0009	14	-54 22 31.36	0.079	12	0.66	22.676	18	02.9	35.39	19	99.2	F5	GC	933K	P -54 174
80	8.8	7.2W	44 22.678	0.0030	06	-58 19 17.75	-0.008	06	0.14	22.668	14	46.9	17.72	14	46.9	MA	CO	224	P -58 48
81		8.6T	44 29.836	0.0005	13	-52 16 36.56	0.012	09	0.53	29.814	18	07.3	37.15	18	99.3	K0	GC	936K	P -52 90
82	9.2	9.0W	44 32.621	0.0004	11	-55 53 37.19	0.007	11	0.14	32.620	14	46.9	37.21	14	46.9	F2	CO	225	P -56 147
83	9.4	9.2W	44 51.797	-0.0027	09	-59 49 58.64	0.026	09	0.14	51.806	14	46.9	58.72	14	46.9	F2	CO	157	P -60 52
84	10.7E	9.7Z	44 54.489	0.0134	12	-51 30 9.66	0.005	12	0.65	53.849	31	02.4	9.91	31	02.4		CZ	350	P -51 124
85	10.2	9.8W	44 54.701	0.0048	09	-58 37 5.52	0.001	09	0.14	54.686	14	46.9	5.52	14	46.9	F8	CO	227	P -59 53
86	10.3	10.0W	45 26.443	0.0012	09	-57 11 4.39	-0.012	09	0.14	26.439	14	46.9	4.42	14	46.9	F3	CO	233	P -57 166
87	10.6		45 34.320	0.0067	13	-56 33 59.97	-0.016	13	0.15	34.299	14	46.9	59.92	14	46.9	F8	CO	234	P -56 151
88	10.6	9.6W	45 37.059	-0.0023	09	-52 6 36.16	-0.031	09	0.19	37.085	15	38.9	35.81	18	38.9	K5	C9	236	P -52 100
89		8.1T	46 17.613	0.0030	15	-53 36 18.57	-0.012	12	0.69	17.473	21	03.2	17.99	19	00.1	K0	GC	967	P -54 180
90	10.2	9.2W	46 20.234	-0.0004	06	-59 58 24.10	-0.027	06	0.14	20.236	14	46.9	24.02	14	46.9	K0	CO	236	P -60 54
91	9.8	9.8W	46 28.491	0.0111	09	-59 10 7.12	0.032	09	0.14	28.456	14	46.9	7.22	14	46.9	F2	CO	238	P -59 57
92		9.6T	46 32.113	-0.0007	13	-56 21 44.14	-0.041	11	0.62	32.147	22	05.0	42.14	21	01.6	G5	GC	973	P -56 153
93	8.9	9.0W	46 39.780	0.0003	13	-57 28 18.52	0.031	13	0.15	39 779	14	46.9	18.62	14	46.9	A0	CO	240	P -57 169
94	10.1	10.4W	46 48.355	0.0017	13	-56 22 9.45	0.019	13	0.15	48.350	14	46.9	9.51	14	46.9	B5	CO	241	P -56 154
95		7.5T	46 57.526	-0.0064	18	-54 2 46.23	-0.042	13	0.77	57.812	22	05.5	44.20	19	01.1	F8	GC	987	P -54 183
96	10.5E	9.4Z	46 58.001	0.0002	12	-50 32 21.62	0.012	12	0.62	57.991	31	04.5	22.15	28	04.5		CZ	360	P -50 119
97	9.4	9.1W	46 59.478	0.0031	07	-57 42 40.92	0.002	07	0.14	59.468	14	46.9	40.92	14	46.9	F5	CO	242	P -58 49
98	9.8	8.7W	47 5.264	0.0092	07	-59 50 27.16	-0.014	07	0.14	5.236	14	46.9	27.12	14	46.9	G5	CO	243	P -60 56
99		8.1T	47 20.448	0.0062	11	-54 26 11.57	0.010	10	0.55	20.080	17	05.0	12.10	18	99.0	F8	GC	996K	P -54 186
00	10.5	9.5W	47 33.899	0.0078	13	-54 51 58.48	0.058	13	0.22	33.815	15	38.9	59.13	18	38.9	K2	C9	246	P -55 164

232200

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 0H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.2T	0 47 44.777	-0.0031	13	-57 39 30.65	0.001	10	0.59	44.933	18	04.2	30.70	17	99.1	MB	GC	1067	P -58 51
2	10.1E	9.9H	47 56.372	-0.0065	12	-51 39 28.09	-0.075	12	0.65	56.680	31	02.4	24.53	31	02.4	F8	CZ	372	P -52 110
3		5.2T	48 24.814	0.0060	05	-51 15 33.91	0.046	05	0.27	24.545	12	05.1	36.19	10	00.6	F5	GC	1019	C*-51 209
4	9.8	9.3W	48 33.508	0.0030	07	-57 36 8.25	0.023	07	0.14	33.498	14	46.9	8.32	14	46.9	G5	CO	248	P -58 53
5	10.1	9.6W	48 36.450	0.0032	11	-52 37 24.91	-0.036	11	0.21	36.415	15	38.9	24.51	18	38.9	G0	C9	249	P -53 187
6	9.9	8.8W	48 39.182	0.0010	07	-57 17 55.42	0.000	07	0.14	39.179	14	46.9	55.42	14	46.9	K2	CO	249	P -57 174
7	10.0	9.8W	48 41.246	0.0031	13	-59 20 55.66	0.020	13	0.15	41.236	14	46.9	55.72	14	46.9	F8	CO	250	P -59 58
8	10.0E	9.7H	49 4.508	0.0030	12	-50 43 29.41	0.003	12	0.81	4.373	63	04.9	29.52	57	04.9	F8	CZ	380	P -51 137
9	10.0	9.6W	49 15.895	0.0017	13	-55 7 0.47	-0.000	13	0.22	15.877	15	38.9	0.47	18	38.9	F2	C9	250	P -55 167
10	9.0E	8.9H	49 28.450	-0.0023	12	-50 25 26.11	-0.011	12	0.62	28.556	31	04.5	25.60	28	04.5	F2	CZ	387	P -50 125
11		8.3T	49 39.649	0.0036	12	-56 51 2.22	0.080	10	0.55	39.480	18	05.0	5.94	17	03.3	F8	GC	1040	P -57 179
12	9.9	8.9W	50 3.007	0.0034	07	-59 16 27.44	-0.007	07	0.14	2.996	14	46.9	27.42	14	46.9	K0	CO	255	P -59 60
13	10.3	9.3W	50 3.040	-0.0004	07	-53 38 26.65	-0.012	07	0.18	3.045	15	38.9	26.52	18	38.9	G5	C9	254	P -54 196
14		8.0T	50 25.452	0.0030	16	-51 49 19.31	0.035	12	0.71	25.311	18	03.3	21.03	19	00.4	G5	GC	1054	P -52 116
15	9.9E	8.5H	50 31.113	0.0020	12	-51 18 47.13	-0.012	12	0.63	31.020	31	03.2	46.58	28	03.2	K2	CZ	394	P -51 143
16	9.1E	8.1H	50 36.513	0.0041	12	-50 43 59.13	-0.018	12	0.63	36.318	28	02.4	58.25	26	02.4	K0	CZ	396	P -51 144
17	9.8	9.6W	50 50.288	0.0106	09	-59 56 21.77	0.015	09	0.14	50.256	14	46.9	21.82	14	46.9	A2	CO	176	P -60 58
18	9.7	9.4W	51 2.408	0.0084	07	-52 27 48.50	0.055	07	0.18	2.315	15	38.9	49.11	18	38.9	G0	C9	260	P -52 120
19	8.5E	8.5H	51 13.755	0.0008	12	-51 19 28.62	0.007	12	0.81	13.719	63	04.9	28.94	57	04.9	F5	CZ	401	P -51 145
20	10.1	9.8W	51 43.293	0.0047	07	-57 48 43.57	-0.015	07	0.14	43.278	14	46.9	43.52	14	46.9	F9	O CO	261	P -58 54
21		7.7T	51 44.552	0.0041	14	-54 51 48.28	0.053	11	0.59	44.383	18	09.0	50.78	18	03.1	G5	GC	1081	P -55 179
22		7.4T	52 5.349	0.0005	14	-57 40 27.13	0.005	11	0.60	5.323	19	05.4	27.37	18	02.8	K0	GC	1087	P -58 55
23	10.9E	9.9Z	52 20.749	0.0033	12	-50 36 43.72	-0.000	12	0.62	20.598	31	04.5	43.70	28	04.5		CZ	408	P -51 146
24	10.1E	9.7H	52 28.088	0.0009	12	-50 10 30.42	-0.056	12	0.68	28.050	45	06.9	28.03	45	06.9	G0	CZ	410	P -50 133
25	9.4	9.2W	53 22.566	-0.0009	07	-55 16 31.15	0.002	07	0.18	22.577	15	38.9	31.17	18	38.9	F0	C9	270	P -55 183
26	10.6	9.4W	53 23.137	-0.0006	09	-57 0 43.58	-0.018	09	0.14	23.139	14	46.9	43.52	14	46.9	K2	O CO	263	P -57 199
27		6.5T	53 40.316	0.0015	06	-53 27 44.20	-0.043	05	0.25	40.256	10	09.8	42.31	09	05.6	K0	GC	1116	P -53 212
28	9.5	9.4W	54 1.536	-0.0026	08	-52 51 0.96	0.014	08	0.19	1.565	15	38.9	1.11	18	38.9	F0	C9	273	P -53 215
29	9.3	8.4W	54 14.316	0.0056	07	-57 51 24.39	0.010	07	0.14	14.298	14	46.9	24.42	14	46.9	G5	CO	265	P -58 56
30	9.6	9.5W	54 21.898	-0.0017	07	-55 13 53.26	0.001	07	0.18	21.917	15	38.9	53.27	18	38.9	F0	C9	275	P -55 186
31	10.8	9.2W	54 23.197	0.0003	09	-59 56 37.08	-0.052	09	0.14	23.196	14	46.9	36.92	14	46.9	M2E	O CO	267	P*-60 60
32	10.3	10.0W	54 26.810	0.0041	14	-54 3 31.01	0.000	14	0.23	26.765	15	38.9	31.02	18	38.9	G0	C9	277	P -54 207
33	9.8	9.7W	54 37.711	-0.0057	15	-53 42 17.25	-0.003	15	0.24	37.775	15	38.9	17.22	18	38.9	A3	C9	278	P -54 208
34	10.0	9.1W	54 41.812	0.0097	06	-52 8 45.49	-0.002	06	0.18	41.705	15	38.9	45.51	18	38.9	K2	C9	279	P -52 125
35	10.0	9.7W	54 44.376	0.0019	15	-54 24 38.76	-0.031	15	0.24	44.355	15	38.9	38.42	18	38.9	F8	C9	280	P -54 210
36	10.4	9.6W	55 16.510	0.0086	15	-53 45 11.38	-0.105	15	0.24	16.415	15	38.9	10.22	18	38.9	G5	C9	282	P -54 211
37		8.1T	55 25.332	0.0030	14	-52 32 10.92	0.013	12	0.68	25.185	17	01.0	11.64	17	96.5	G5	GC	1158	P -52 127
38	10.4	9.9W	55 48.460	0.0014	15	-54 6 58.62	-0.046	15	0.24	48.445	15	38.9	58.12	18	38.9	G0	C9	288	P -54 218
39	10.0	9.2W	55 48.606	0.0037	07	-55 30 51.46	0.000	07	0.18	48.565	15	38.9	51.47	18	38.9	K0	C9	289	P -55 191
40		8.9T	55 49.379	0.0052	13	-52 1 36.80	0.038	12	0.68	49.116	18	99.6	38.83	17	96.2	A2	GC	1167	P -52 130
41	10.7		55 53.606	0.0019	13	-56 4 4.88	-0.054	13	0.15	53.600	14	46.9	4.71	14	46.9	G0	O CO	269	P -56 187
42	10.2E	10.1H	55 56.111	0.0046	12	-50 17 14.43	0.011	12	0.62	55.903	31	04.5	14.91	28	04.5	A5	CZ	432	P -50 141
43	8.5	8.2W	55 57.755	0.0119	06	-57 58 14.91	0.037	06	0.14	57.718	14	46.9	15.02	14	46.9	F8	CO	270	P -58 58
44	9.9	9.4W	56 24.766	0.0010	07	-53 58 41.79	-0.007	07	0.18	24.755	15	38.9	41.72	18	38.9	F8	C9	292	P -54 220
45		7.3T	56 31.150	0.0019	12	-51 32 6.77	-0.001	11	0.59	31.059	15	02.5	6.70	15	97.3	K2	GC	1180	C -51 237
46	10.5	10.2W	57 2.569	0.0065	15	-55 12 13.24	0.012	15	0.24	2.497	15	38.9	13.37	18	38.9	F6	O C9	297	P -55 197
47	10.9	9.9W	57 4.424	-0.0037	09	-53 58 58.23	-0.065	09	0.19	4.465	15	38.9	57.52	18	38.9	G5	O C9	298	P -54 224
48	8.7	7.7W	57 12.321	0.0176	06	-58 40 25.76	-0.045	06	0.14	12.266	14	46.9	25.62	14	46.9	K0	CO	275	P -59 64
49	10.2	9.4W	57 29.751	0.0141	13	-54 24 29.96	0.005	13	0.22	29.595	15	38.9	30.02	18	38.9	G5	C9	299	P -54 226
50	10.6	9.8W	57 34.046	0.0073	15	-55 39 12.29	0.016	15	0.24	33.965	15	38.9	12.47	18	38.9	G3	O C9	300	P -56 193
51		7.3T	0 57 38.018	0.0018	14	-50 1 11.99	0.014	12	0.69	37.928	18	00.9	12.74	19	96.3	M0	GC	1199	C -50 270
52	10.0	9.4W	57 48.716	0.0082	07	-54 45 56.34	0.044	07	0.18	48.625	15	38.9	56.83	18	38.9	G0	C9	301	P -55 198
53	9.9	9.4W	57 50.649	0.0163	08	-56 46 15.57	0.047	08	0.14	50.599	14	46.9	15.72	14	46.9	G0	CO	277	P -57 212
54		7.6T	57 57.655	0.0053	13	-50 47 38.10	0.028	11	0.66	57.383	18	98.6	39.65	17	94.7	K0	GC	1204	C -51 241
55		7.8T	58 14.337	0.0043	10	-57 11 56.62	-0.009	08	0.48	14.107	18	00.7	56.11	15	96.9	G5	GC	1214	P -57 213
56	9.9	9.7W	58 21.120	-0.0024	15	-55 13 21.72	0.014	15	0.24	21.146	15	38.9	21.87	18	38.9	A2	C9	306	P -55 200
57	9.8	9.4W	58 21.764	-0.0037	11	-52 24 27.38	0.057	11	0.21	21.805	15	38.9	28.01	18	38.9	G0	C9	307	P -52 134
58		7.4T	58 28.803	0.0009	15	-52 51 5.91	0.028	12	0.67	28.760	17	02.9	7.35	17	99.4	F0	GC	1221K	P*-53 228
59	10.0	9.0W	58 40.373	0.0014	07	-57 59 17.36	-0.013	07	0.14	40.368	14	46.9	17.32	14	46.9	K5	CO	281	P -58 64
60	10.4	9.4W	58 44.872	-0.0030	07	-55 32 59.64	-0.006	07	0.18	44.905	15	38.9	59.57	18	38.9	K0	O C9	309	P -55 202
61	10.6	9.5W	58 59.951	0.0006	09	-52 5 25.83	-0.037	09	0.19	59.945	15	38.9	25.41	18	38.9	K2	C9	311	P -52 136
62		8.8T	59 4.436	-0.0058	14	-56 25 39.94	-0.010	12	0.65	4.709	22	04.5	39.45	21	03.0	G0	GC	1233K	P -56 198
63	10.0	8.5W	59 15.394	-0.0037	15	-53 50 42.26	-0.013	15	0.24	15.435	15	38.9	42.12	18	38.9	K5	C9	312	P -54 233
64		8.3T	59 32.117	-0.0027	16	-53 35 15.40	-0.023	12	0.71	32.243	21	03.7	14.27	19	99.8	F0	GC	1243	P -53 230
65	10.2E	10.1H	59 36.239	0.0030	12	-50 31 33.26	-0.017	12	0.63	36.099	31	03.5	32.45	28	03.5	G0	CZ	463	P -50 147
66	9.3	8.4W	59 38.537	0.0047	07	-53 25 36.66	-0.013	07	0.18	38.485	15	38.9	36.51	18	38.9	G5	C9	315	P -53 232
67	10.6	10.2W	59 45.617	-0.0034	15	-53 10 31.80	-0.080	15	0.24	45.655	15	38.9	30.91	18	38.9	G2	O C9	316	P -53 233
68		6.0H	59 55.216	0.0007	03	-57 16 16.58	0.023	03	0.11	55.193	06	18.2	17.37	06	15.5	K0	F4	1027	P -57 220
69	9.4	8.6W	1 0 14.257	0.0027	13	-56 31 13.27	-0.048	13	0.15	14.249	14	46.9	13.12	14	46.9	G5	CO	285	P -56 205
70	8.9	8.5W	0 25.096	0.0347	07	-57 36 35.54	-0.005	07	0.14	24.988	14	46.9	35.52	14	46.9	G0	CO	286	P -58 65
71	10.6		0 33.538	-0.0051	15	-54 27 52.99	-0.034	15	0.24	33.595	15	38.9	52.62	18	38.9	F5	O C9	324	P -54 238
72	9.8	8.6W	0 34.828	0.0068	09	-59 27 39.46	-0.013	09	0.14	34.806	14	46.9	39.42	14	46.9	K2	CO	288	P -59 67
73	9.3	9.3W	0 45.045	0.0026	08	-55 11 5.03	0.013	08	0.19	45.017	15	38.9	5.17	18	38.9	A2	C9	328	P -55 212
74		8.1T	0 45.175	-0.0003	12	-56 19 21.72	0.017	11	0.62	45.190	21	01.7	22.56	19	99.4	A2	GC	1268	P -56 208
75	9.3	8.4W	0 45.433	0.0035	06	-52 5 29.26	-0.013	06	0.18	45.395	15	38.9	29.11	18	38.9	K0	C9	329	P -52 139
76	9.6	9.4W	0 56.781	0.0005	07	-57 10 33.80	-0.025	07	0.14	56.779	14	46.9	33.72	14	46.9	F2	CO	290	P -57 221
77	10.1	9.6W	1 3.782	0.0023	15	-55 12 55.25	0.038	15	0.24	3.757	15	38.9	55.67	18	38.9	A5	C9	330	P -55 213
78	9.3	9.1W	1 11.870	-0.0049	05	-51 41 21.57	-0.005	05	0.18	11.925	15	38.9	21.51	18	38.9	F8	C9	332	P -52 141
79	10.4	9.2W	1 15.594	-0.0010	07	-54 25 49.86	0.005	07	0.18	15.605	15	38.9	49.92	18	38.9	K5	C9	333	P -54 242
80	9.6	9.4W	1 24.490	-0.0013	07	-52 14 53.39	0.020	07	0.18	24.505	15	38.9	53.61	18	38.9	F8	C9	334	P -52 142
81	9.1	8.9W	1 32.254	0.0008	07	-52 14 36.21	0.037	07	0.18	32.245	15	38.9	36.61	18	38.9	F5	C9	336	P -52 143
82	9.8	9.2W	2 7.939	0.0138	07	-55 19 21.60	-0.002	07	0.18	7.786	15	38.9	21.57	18	38.9	G0	C9	337	P -55 218
83	10.4	10.0W	2 13.684	0.0016	15	-55 8 41.69	0.035	15	0.24	13.667	15	38.9	42.07	18	38.9	G0	O C9	338	P -55 220
84	9.1	8.2W	2 27.958	-0.0061	07	-58 42 30.14	-0.070	07	0.14	27.976	14	46.9	29.92	14	46.9	G8	O CO	292	P -59 70
85	10.3	9.5W	2 34.956	0.0053	13	-57 25 12.03	-0.001	13	0.15	34.939	14	46.9	12.02	14	46.9	K0	O CO	293	P -57 228
86	10.2	9.3W	2 35.933	-0.0002	07	-55 43 18.99	-0.029	07	0.18	35.936	15	38.9	18.67	18	38.9	K2	C9	343	P -56 214
87	10.0	9.6W	2 51.619	0.0075	15	-55 19 24.07	-0.027	15	0.24	51.536	15	38.9	23.77	18	38.9	G0	C9	346	P -55 227
88	11.0	10.3W	3 7.443	0.0012	13	-56 35 1.32	0.032	13	0.15	7.439	14	46.9	1.42	14	46.9	G5	O CO	295	P -56 216
89	9.8E	8.8H	3 9.385	0.0087	12	-50 53 52.16	0.020	12	0.64	8.974	31	02.8	53.11	31	02.8	F8	CZ	491	P -51 161
90	7.8	7.9W	3 10.004	0.0017	06	-58 3 44.62	0.000	06	0.14	9.998	14	46.9	44.62	14	46.9	A5	CO	297	P -58 71
91	10.3	9.7W	3 12.372	0.0025	14	-53 6 17.09	0.002	14	0.23	12.345	15	38.9	17.11	18	38.9	G0	C9	347	P -53 247
92	10.2	9.7W	3 14.984	-0.0037	06	-55 38 21.17	0.009	06	0.18	15.025	15	38.9	21.27	18	38.9	G2	O C9	348	P -56 218
93	10.3	9.5W	4 1.109	-0.0000	13	-56 37 20.65	0.022	13	0.15	1.109	14	46.9	20.72	14	46.9	G5	CO	302	P -57 237
94	9.7	9.3W	4 2.746	0.0064	13	-58 44 29.99	-0.056	13	0.15	2.726	14	46.9	29.82	14	46.9	G0	CO	303	P -59 72
95	9.8	9.3W	4 26.833	0.0106	06	-56 22 7.24	-0.039	06	0.14	26.800	14	46.9	7.11	14	46.9	F8	CO	306	P -56 223
96	10.1	9.7W	4 27.917	0.0001	15	-55 25 49.59	0.053	15	0.24	27.917	15	38.9	50.17	18	38.9	G0	C9	352	P -55 230
97		8.6T	4 34.684	0.0567	26	-51 15 27.35	-0.058	22	1.11	32.123	21	04.8	24.69	19	04.1	K0	GC	1351	C -51 273
98	10.5	9.5W	4 48.271	0.0069	15	-53 37 10.90	-0.035	15	0.24	48.195	15	38.9	10.52	18	38.9	K0	C9	355	P -54 252
99	10.1E	9.1H	5 3.191	-0.0029	12	-50 18 41.64	-0.019	12	0.62	3.326	31	03.9	40.77	28	03.9	G0	CZ	507	P -50 155
00	9.3	8.8W	5 8.731	0.0101	06	-56 22 11.85	-0.010	06	0.14	8.700	14	46.9	11.81	14	46.9	G0	CO	307	P -56 225

232300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 1H DM NUMBER
1	8.7	8.4W	1 5 43.348	0.0027	06	-56 14 9.08	-0.052	06	0.14	43.340	14	46.9	8.91	14	46.9	G0	C0	311	P -56 227
2	9.7	8.7W	5 45.961	-0.0018	07	-59 19 28.54	-0.037	07	0.14	45.966	14	46.9	28.42	14	46.9	K0	C0	313	P -59 74
3	9.9	9.4W	5 46.297	0.0065	07	-54 6 45.13	0.016	07	0.18	46.225	15	38.9	45.32	18	38.9	G0	C9	358	P -54 257
4	9.9	9.2W	5 55.417	0.0029	11	-52 58 51.76	-0.022	11	0.21	55.385	15	38.9	51.51	18	38.9	G5	C9	359	P -53 257
5	9.6	9.3W	6 6.194	0.0017	15	-52 57 7.94	-0.038	15	0.24	6.175	15	38.9	7.51	18	38.9	G0	C9	360	P -53 258
6		4.1T	6 17.251	0.0024	04	-55 30 45.72	0.031	04	0.19	17.140	07	07.3	47.14	07	03.7	B8	GC	1387K	P#-55 241
7	9.3	9.2W	6 28.607	-0.0034	07	-53 36 55.26	0.023	07	0.18	28.645	15	38.9	55.52	18	38.9	F2	C9	363	P -54 263
8		8.5T	6 37.446	0.0066	12	-59 48 40.14	-0.018	12	0.66	37.108	22	99.9	39.20	22	98.8	A0	GC	1395	P -60 81
9	9.7	9.5W	6 40.997	0.0002	07	-54 12 23.77	-0.023	07	0.18	40.995	15	38.9	23.52	18	38.9	G0	C9	364	P -54 265
10	9.3	9.0W	6 48.783	0.0262	07	-59 54 13.79	0.011	07	0.14	48.696	14	46.9	13.82	14	46.9	F8	C0	319	P -60 82
11	9.9E	9.1H	6 57.687	0.0004	12	-51 6 9.26	0.018	12	0.64	57.668	31	02.8	10.11	31	02.8	K2	CZ	523	P -51 166
12	10.5	9.7W	7 7.085	0.0161	09	-59 54 25.56	-0.142	09	0.14	7.036	14	46.9	25.12	14	46.9	G7	O C0	322	P -60 85
13	10.5	10.3W	7 10.891	0.0051	15	-54 54 56.46	0.042	15	0.24	10.835	15	38.9	56.93	18	38.9	F8	C9	366	P -55 243
14	10.7		7 12.952	0.0024	15	-55 35 26.82	0.014	15	0.24	12.926	15	38.9	26.97	18	38.9	F8	O C9	368	P -55 244
15		7.3T	7 17.587	0.0153	08	-56 51 40.08	-0.022	07	0.39	16.776	15	04.2	38.89	15	97.1	F8	GC	1407K	P#-57 251
16	10.6E	10.1H	7 19.250	0.0024	12	-50 40 10.38	-0.003	12	0.62	19.139	31	03.9	10.25	28	03.9	K2	CZ	527	P -51 168
17	10.3	9.3W	7 23.243	0.0089	07	-59 47 1.46	-0.044	07	0.14	23.216	14	46.9	1.32	14	46.9	G7	O C0	326	P -60 88
18	9.3	8.8W	7 32.632	0.0017	11	-58 33 50.48	0.015	11	0.14	32.626	14	46.9	50.52	14	46.9	G0	C0	327	P -58 80
19	10.2		7 35.996	0.0019	06	-56 12 44.54	-0.007	06	0.14	35.990	14	46.9	44.51	14	46.9	K0	C0	328	P -56 234
20	9.6	9.1W	7 44.744	0.0146	13	-56 37 19.77	0.049	13	0.15	44.699	14	46.9	19.92	14	46.9	G0	C0	331	P -57 252
21	9.5	8.7W	7 55.882	-0.0014	13	-59 4 24.90	0.008	13	0.15	55.886	14	46.9	24.92	14	46.9	G5	C0	332	P -59 81
22	10.4		8 0.515	0.0018	13	-53 0 40.55	0.033	13	0.22	0.495	15	38.9	40.91	18	38.9	A0	C9	372	P -53 269
23	9.7	9.4W	8 1.566	0.0022	11	-57 16 15.32	0.000	11	0.14	1.559	14	46.9	15.32	14	46.9	F5	C0	334	P -57 254
24		6.5T	8 5.101	-0.0016	10	-57 57 31.15	-0.107	08	0.50	5.189	19	03.6	25.13	19	93.7	G5	GC	1425	P -58 81
25		7.2T	8 12.708	-0.0051	07	-57 7 40.46	-0.060	06	0.32	12.942	14	08.4	37.68	12	03.9	F0	GC	1427	P -57 255
26	10.0	9.0W	8 22.523	0.0008	06	-53 5 6.47	-0.005	06	0.18	22.515	15	38.9	6.41	18	38.9	K0	C9	377	P -53 272
27	10.0E	9.4H	8 52.079	0.0012	12	-51 6 11.92	-0.005	12	0.80	52.026	63	05.9	11.70	57	05.9	K5	CZ	539	P -51 172
28	10.1	9.8W	9 0.433	0.0125	15	-53 58 56.38	0.003	15	0.24	0.295	15	38.9	56.42	18	38.9	F8	C9	379	P -54 271
29	10.5	9.5W	9 1.971	0.0004	06	-56 27 12.71	0.002	06	0.14	1.970	14	46.9	12.71	14	46.9	G5	C0	341	P -56 242
30	11.0	10.3W	9 16.637	0.0011	07	-54 5 25.49	0.011	07	0.18	16.625	15	38.9	25.62	18	38.9	K0	O C9	382	P -54 274
31	9.2	8.4W	9 18.953	0.0064	06	-59 27 56.18	0.013	06	0.14	18.936	14	46.9	56.22	14	46.9	G5	C0	342	P -59 83
32	9.7E	9.3H	9 43.669	0.0035	12	-50 51 18.57	-0.004	12	0.80	43.514	63	05.9	18.40	57	05.9	K0	CZ	547	P -51 175
33	10.2	8.7W	9 58.474	-0.0000	06	-52 1 8.60	-0.008	06	0.18	58.475	15	38.9	8.51	18	38.9	G5	C9	383	P -52 151
34	9.8	8.7W	10 3.774	0.0008	06	-54 21 37.05	0.015	06	0.18	3.765	15	38.9	37.22	18	38.9	G5	C9	384	P -54 277
35	8.8	8.6W	10 19.990	0.0036	06	-57 37 40.16	0.020	06	0.14	19.978	14	46.9	40.22	14	46.9	F2	C0	344	P -58 84
36	10.3E	9.3H	10 20.607	0.0008	12	-50 8 21.84	-0.013	12	0.69	20.573	45	05.9	22.41	45	05.9	K2	CZ	554	P -50 162
37	9.9	9.6W	10 21.256	-0.0080	07	-51 55 41.04	-0.020	07	0.18	21.345	15	38.9	40.81	18	38.9	G0	C9	385	P -52 152
38	10.5	9.5W	10 22.849	-0.0032	07	-54 18 10.80	-0.008	07	0.18	22.885	15	38.9	10.72	18	38.9	K0	C9	386	P -54 278
39	10.7	9.7W	10 29.212	0.0024	07	-55 37 22.56	0.019	07	0.18	29.186	15	38.9	22.77	18	38.9	G5	C9	387	P -56 245
40	9.2E	8.5H	10 29.541	0.0052	12	-50 2 0.32	0.002	12	0.62	29.303	31	03.9	0.41	28	03.9	G0	CZ	556	P -50 163
41	10.1	10.2W	10 42.830	0.0006	09	-57 38 5.47	-0.015	09	0.14	42.828	14	46.9	5.42	14	46.9	A0	C0	348	P -58 85
42	9.9	9.5W	10 49.484	-0.0091	13	-51 47 57.36	0.041	13	0.22	49.585	15	38.9	57.81	18	38.9	G5	C9	389	P -52 153
43	10.7	10.3W	10 55.041	0.0007	09	-57 27 52.93	-0.002	09	0.14	55.039	14	46.9	52.92	14	46.9	G0	O C0	350	P -57 266
44	10.1E	10.3H	11 25.089	0.0010	12	-50 22 32.02	-0.014	12	0.69	25.046	45	05.9	31.42	45	05.9	F8	CZ	561	P -50 166
45		8.6T	11 34.108	0.0002	17	-50 55 25.39	-0.020	13	0.77	34.099	18	02.3	24.38	18	99.2	F0	GC	1485K	C -51 312
46		8.6T	11 39.665	0.0175	13	-50 55 8.40	-0.078	12	0.61	38.908	19	06.7	4.50	19	00.0	F0	GC	1487K	C -51 311
47	10.7	10.2W	11 49.643	0.0026	12	-53 24 5.93	-0.001	12	0.21	49.615	15	38.9	5.91	18	38.9	F8	O C9	393	P -53 284
48	9.3	9.1W	11 50.400	0.0040	06	-55 30 24.94	0.012	06	0.18	50.356	15	38.9	25.07	18	38.9	F8	C9	394	P -55 284
49	10.2	9.4W	11 56.808	0.0012	07	-53 58 29.28	-0.024	07	0.18	56.795	15	38.9	29.02	18	38.9	G0	C9	397	P -54 281
50		7.2T	12 12.513	-0.0003	16	-50 40 50.65	0.004	12	0.73	12.528	17	01.7	50.86	18	97.7	K0	GC	1500	C -51 313
51	10.1E	10.1H	1 12 13.441	-0.0029	12	-50 30 55.20	-0.032	12	0.69	13.568	45	05.9	53.79	45	05.9	G0	CZ	571	P -50 167
52		7.0T	12 15.927	0.0048	17	-53 23 19.20	0.012	13	0.73	15.711	21	05.1	19.81	19	01.0	K0	GC	1502	P -53 285
53		7.4T	12 40.816	0.0047	13	-57 38 52.86	-0.002	10	0.56	40.591	19	05.5	52.77	18	02.6	K0	GC	1507	P -58 87
54	9.8E	10.5H	12 43.242	0.0001	12	-50 29 1.94	0.007	12	0.69	43.240	45	05.9	2.26	45	05.9	A2	CZ	576	P -50 169
55	9.3	8.4W	12 52.705	0.0009	06	-55 38 14.26	-0.017	06	0.18	52.696	15	38.9	14.07	18	38.9	G0	C9	403	P -56 255
56		7.6T	12 57.871	0.0028	12	-55 53 48.29	0.005	09	0.56	57.715	19	01.4	48.55	18	94.4	K5	GC	1512K	P -56 256
57	10.3	9.4W	13 5.929	-0.0023	15	-54 21 37.75	0.033	15	0.24	5.955	15	38.9	38.12	18	38.9	G5	C9	406	P -54 287
58	9.9	8.9W	13 28.329	0.0029	06	-55 50 29.94	-0.008	06	0.14	28.320	14	46.9	29.91	14	46.9	K0	C0	359	P -56 258
59	9.7	8.7W	13 29.134	0.0082	05	-57 30 50.71	0.003	05	0.14	29.108	14	46.9	50.72	14	46.9	K0	C0	360	P -57 271
60	10.5E	10.3H	13 39.125	0.0022	12	-51 25 28.33	-0.010	12	0.64	39.022	31	02.9	27.85	31	02.9	G0	CZ	581	P -51 181
61		8.2T	13 39.916	0.0134	15	-53 58 47.69	0.024	12	0.67	39.303	21	04.2	48.93	19	99.2	G0	GC	1525	P -54 290
62		8.3T	13 55.635	0.0058	14	-52 9 21.38	-0.016	12	0.67	55.361	21	03.0	20.55	19	98.9	K0	GC	1532	P -52 156
63	10.6	10.2W	14 33.531	0.0035	11	-56 24 27.90	-0.027	11	0.14	33.520	14	46.9	27.81	14	46.9	G0	O C0	362	P -56 264
64	9.7	9.4W	15 31.107	-0.0043	07	-53 24 12.83	-0.028	07	0.18	31.155	15	38.9	12.51	18	38.9	F8	C9	421	P -53 294
65		8.2T	15 34.705	-0.0029	16	-51 17 52.79	-0.028	13	0.74	34.845	19	01.8	51.36	18	98.7	A2	GC	1570	C -51 325
66	9.9	8.4W	15 37.379	0.0031	07	-52 36 7.43	-0.019	07	0.18	37.345	15	38.9	7.21	18	38.9	K0	C9	422	P -52 160
67	9.3E	8.2H	15 41.439	0.0035	12	-50 3 32.98	-0.050	12	0.63	41.278	31	03.6	30.66	28	03.6	K0	CZ	597	P -50 171
68	9.9	9.3W	15 49.926	-0.0026	15	-55 32 47.32	-0.032	15	0.24	49.956	15	38.9	46.97	18	38.9	G0	C9	424	P -55 274
69	10.4	9.4W	15 50.432	-0.0021	07	-57 32 29.58	0.014	07	0.14	50.438	14	46.9	29.62	14	46.9	G5	C0	364	P -57 277
70	10.8	10.3W	15 52.919	-0.0041	07	-53 59 41.41	0.009	07	0.18	52.965	15	38.9	41.52	18	38.9	G3	O C9	425	P -54 298
71		7.5T	15 53.582	0.0056	14	-52 22 6.98	0.007	12	0.68	53.306	17	00.8	7.33	17	96.8	A5	GC	1576	P -52 161
72	10.4	10.2W	15 54.184	0.0017	07	-54 29 13.42	0.008	07	0.18	54.165	15	38.9	13.52	18	38.9	F8	C9	427	P -54 299
73	11.1E	10.1H	16 11.011	-0.0007	12	-50 46 19.27	-0.015	12	0.65	11.045	31	02.3	18.56	31	02.3	K2	CZ	603	P -51 185
74	10.2	9.2W	16 53.932	-0.0040	13	-55 10 34.81	0.015	13	0.22	53.976	15	38.9	34.97	18	38.9	K0	C9	431	P -55 280
75	10.6		16 59.314	0.0008	13	-52 53 6.43	-0.028	13	0.22	59.305	15	38.9	6.11	18	38.9	F9	O C9	433	P -53 300
76	9.2	8.9W	17 2.235	0.0063	15	-54 6 45.80	-0.008	15	0.24	2.165	15	38.9	45.72	18	38.9	F8	C9	434	P -54 303
77		7.2T	17 16.786	0.0066	16	-53 53 56.71	0.042	13	0.72	16.482	18	03.8	58.80	19	00.6	K0	GC	1601	P -54 305
78	9.9E	9.9H	17 39.558	-0.0009	12	-50 16 37.70	-0.053	12	0.69	39.599	45	05.4	35.34	45	05.4	F8	CZ	617	P -50 174
79	10.3	9.2W	17 40.535	-0.0013	06	-56 52 42.81	0.004	06	0.14	40.539	14	46.9	42.82	14	46.9	G5	C0	370	P -57 288
80	9.9E	9.7H	17 49.949	0.0016	12	-50 4 6.69	-0.011	12	0.69	49.879	45	05.4	6.20	45	05.4	F5	CZ	619	P -50 175
81		7.6T	17 59.623	0.0038	13	-57 36 43.20	0.031	10	0.59	59.433	19	04.6	44.74	18	00.4	F5	GC	1620	P -58 95
82	9.6	8.8W	18 3.942	0.0016	07	-52 4 16.98	0.003	07	0.18	3.925	15	38.9	17.01	18	38.9	G5	C9	441	P -52 166
83	10.0	9.4W	18 11.551	0.0042	14	-52 54 47.31	-0.008	14	0.23	11.505	15	38.9	47.21	18	38.9	G0	C9	442	P -53 305
84	10.3	10.0W	18 17.453	-0.0001	15	-52 48 29.45	-0.012	15	0.24	17.455	15	38.9	29.31	18	38.9	G0	C9	443	P -53 306
85		7.1T	18 28.753	0.0202	11	-57 36 6.54	0.076	09	0.50	27.720	17	05.9	10.43	17	98.9	F8	GC	1632K	P#-57 292
86	9.5	8.9W	18 46.872	0.0034	07	-52 44 7.29	-0.042	07	0.18	46.835	15	38.9	6.71	18	38.9	G5	C9	447	P -53 308
87	9.3	8.1W	19 2.982	0.0032	07	-55 13 11.41	-0.021	07	0.18	2.947	15	38.9	11.17	18	38.9	K0	C9	449	P -55 288
88	10.4	9.8W	19 6.085	0.0016	13	-56 18 16.54	-0.008	13	0.15	6.080	14	46.9	16.51	14	46.9	K0	C0	380	P -56 285
89		6.9T	19 11.658	0.0045	11	-50 0 13.19	0.0·0	09	0.45	11.470	12	08.5	14.93	12	06.5	F2	GC	1640	C -50 368
90		6.6T	19 19.059	0.0032	16	-51 11 54.26	-0.0 1	12	0.74	18.904	19	01.5	54.21	18	97.5	K0	GC	1643	C -51 337
91	10.3	10.1W	19 31.196	-0.0013	13	-56 23 47.62	-0.001	13	0.15	31.200	14	46.9	47.61	14	46.9	G0	C0	381	P -56 287
92	11.1		19 39.863	0.0007	15	-54 59 7.46	0.042	15	0.24	39.855	15	38.9	7.93	18	38.9	F9	O C9	451	P -55 292
93		8.8T	19 40.184	0.0016	11	-52 20 16.81	0.009	13	0.63	40.104	22	00.4	17.24	19	00.3	A0	GC	1649	P -52 170
94	10.5	9.4W	19 42.818	0.0003	07	-54 43 11.76	-0.003	07	0.18	42.815	15	38.9	11.73	18	38.9	K0	C9	453	P#-55 293
95	10.1	9.1W	19 57.862	0.0007	07	-52 27 32.65	-0.012	07	0.18	57.855	15	38.9	32.51	18	38.9	G8	O C9	455	P -52 171
96	10.8		20 0.839	0.0013	15	-54 30 34.23	0.081	15	0.24	0.825	15	38.9	35.13	18	38.9	F8	O C9	456	P -54 314
97	9.8	9.0W	20 5.551	0.0015	07	-52 29 31.25	-0.030	07	0.18	5.535	15	38.9	30.91	18	38.9	G5	C9	458	P -52 172
98		7.5T	20 14.901	-0.0013	11	-59 23 13.36	-0.025	08	0.48	14.965	18	04.8	12.11	17	00.3	G0	GC	1665	P -59 91
99	9.4	8.8W	20 20.879	-0.0000	06	-56 59 31.42	-0.031	06	0.14	20.879	14	46.9	31.32	14	46.9	G0	C0	385	P -57 296
00	9.9	9.6W	20 23.870	-0.0013	08	-54 48 51.57	0.014	08	0.19	23.885	15	38.9	51.73	18	38.9	F8	C9	460	P -55 297

232400 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.6	10.2W	1 20 24.839	0.0061	13	-56 3 21.49	0.007	13	0.15	24.820	14	46.9	21.51	14	46.9	G0	C0	386	P -56 292
2	10.5	10.0W	20 54.051	-0.0156	11	-57 27 32.83	-0.130	11	0.14	54.099	14	46.9	32.42	14	46.9	G0	C0	387	P -57 300
3	10.4	8.8W	20 54.080	0.0021	07	-55 19 53.78	-0.010	07	0.18	54.057	15	38.9	53.67	18	38.9	K0	C9	466	P -55 300
4	9.7	9.4W	21 2.437	-0.0016	07	-51 55 8.94	0.007	07	0.18	2.455	15	38.9	9.01	18	38.9	G0	C9	468	P -52 174
5	8.6	8.5W	21 4.952	0.0025	07	-54 26 40.88	0.039	07	0.18	4.925	15	38.9	41.32	18	38.9	F0	C9	469	P -54 316
6	9.3	8.7W	21 23.994	0.0117	06	-57 44 27.11	-0.028	06	0.14	23.958	14	46.9	27.02	14	46.9	G0	C0	389	P -58 101
7	9.0	8.3W	21 30.646	0.0037	07	-54 13 41.80	0.037	07	0.18	30.605	15	38.9	42.22	18	38.9	G5	C9	473	P -54 319
8	10.0	9.8W	21 33.536	-0.0035	15	-54 37 54.45	0.016	15	0.24	33.575	15	38.9	54.63	18	38.9	F5	C9	474	P -55 304
9	10.0	9.0W	21 52.163	0.0012	06	-56 51 53.82	0.002	06	0.14	52.159	14	46.9	53.82	14	46.9	G5	C0	390	P -57 302
10	9.7	9.4W	22 3.460	-0.0013	07	-54 21 54.53	-0.010	07	0.18	3.475	15	38.9	54.42	18	38.9	F5	C9	477	P -54 322
11	10.2	10.1W	22 4.427	-0.0043	15	-52 46 18.20	-0.017	15	0.24	4.475	15	38.9	18.01	18	38.9	A2	C9	478	P -53 320
12	11.3E	9.8Z	22 21.416	0.0003	12	-50 13 49.72	-0.017	12	0.63	21.403	31	03.2	48.92	28	03.2		CZ	653	P -50 192
13	9.9	9.5W	22 39.949	-0.0050	07	-54 13 8.70	-0.017	07	0.18	40.005	15	38.9	8.52	18	38.9	F8	C9	482	P -54 324
14	9.6	9.1W	22 43.183	-0.0049	06	-57 36 4.06	-0.011	06	0.14	43.198	14	46.9	4.02	14	46.9	G0	C0	396	P -57 305
15	11.1E	9.8Z	23 7.977	-0.0004	12	-51 5 42.88	-0.008	12	0.65	7.996	31	02.3	42.51	31	02.3		CZ	663	P -51 197
16	9.7E	8.9H	23 17.358	0.0017	12	-51 32 9.52	-0.026	12	0.65	17.276	31	02.3	8.26	31	02.3	K0	CZ	664	P -51 198
17	11.4I		23 26.771	0.0116	06	-59 45 5.77	0.017	06	0.14	26.736	14	46.9	5.82	14	46.9		C0	398	P -60 111
18		7.0T	23 26.796	0.0114	12	-59 45 31.25	0.008	09	0.52	26.236	18	05.2	31.62	17	01.0	F2	GC	1732K	P -60 112
19	9.5	9.4W	23 27.605	0.0045	07	-53 48 17.33	0.016	07	0.18	27.555	15	38.9	17.52	18	38.9	F5	C9	487	P -54 325
20	10.4	9.4W	23 32.239	0.0033	07	-56 53 11.02	0.001	07	0.14	32.229	14	46.9	11.02	14	46.9	G0	C0	400	P -57 306
21	10.2	9.2W	23 36.249	0.0032	07	-57 24 2.38	0.013	07	0.14	36.239	14	46.9	2.42	14	46.9	G5	C0	401	P -57 309
22	9.4	8.6W	23 51.132	0.0053	07	-59 35 39.23	-0.002	07	0.14	51.115	14	46.9	39.22	14	46.9	G5	C0	403	P -59 96
23	10.1	9.4W	24 10.923	0.0238	11	-57 5 55.00	0.103	11	0.14	10.849	14	46.9	55.32	14	46.9	G0	C0	404	P -57 311
24		7.7T	24 53.995	0.0053	14	-51 46 45.36	-0.005	12	0.60	53.771	17	07.9	45.12	18	03.5	G5	GC	1758	P -52 177
25		8.1T	25 1.838	0.0318	17	-52 13 33.33	0.068	12	0.73	0.400	22	04.8	36.73	19	99.7	F8	GC	1765	P -52 178
26		8.2T	25 4.160	-0.0118	11	-55 20 25.03	-0.042	09	0.50	4.778	18	05.7	22.81	18	97.6	F5	GC	1767	P -55 315
27	10.1	9.0W	25 6.832	0.0008	07	-55 56 42.62	-0.003	07	0.14	6.830	14	46.9	42.61	14	46.9	K0	C0	406	P -56 305
28	8.9	8.8W	25 13.887	-0.0040	07	-56 41 21.90	0.006	07	0.14	13.899	14	46.9	21.92	14	46.9	F5	C0	407	P -57 315
29	9.5	9.2W	25 44.608	0.0010	07	-59 31 50.82	-0.063	07	0.14	44.605	14	46.9	50.62	14	46.9	G0	C0	408	P -59 99
30	10.0	9.7W	26 39.469	-0.0014	13	-53 37 25.36	0.005	13	0.22	39.485	15	38.9	25.42	18	38.9	A5	C9	497	P -54 333
31	9.5	9.6W	26 41.599	-0.0022	06	-59 47 20.83	-0.003	06	0.14	41.606	14	46.9	20.82	14	46.9	F5	C0	411	P -60 116
32	10.0	9.7W	27 3.242	0.0006	13	-55 32 36.83	-0.006	13	0.15	3.240	14	46.9	36.81	14	46.9	F8	C0	412	P -56 308
33		7.5T	27 26.145	0.0071	17	-51 45 22.18	-0.270	13	0.74	25.823	21	04.8	9.12	19	01.7	G5	GC	1814	P -52 181
34	10.6	9.2W	27 27.275	0.0016	09	-55 50 42.67	-0.017	09	0.14	27.270	14	46.9	42.61	14	46.9	K0	C0	413	P -56 309
35	10.4E	10.1H	27 28.255	0.0071	12	-50 41 37.85	-0.007	12	0.63	27.923	31	03.2	37.53	28	03.2	G0	CZ	693	P -51 206
36	9.8	9.3W	27 29.819	0.0013	06	-52 44 27.80	0.029	06	0.18	29.805	15	38.9	28.11	18	38.9	G0	C9	503	P -53 331
37		7.4T	27 31.634	0.0020	13	-52 37 27.41	-0.025	12	0.65	31.538	21	02.1	26.15	19	99.0	K5	GC	1818	P -53 332
38	9.9	9.2W	27 36.149	0.0040	06	-52 45 19.37	0.013	06	0.18	36.105	15	38.9	19.51	18	38.9	G5	C9	505	P -53 334
39		8.9T	27 39.647	0.0010	13	-52 2 41.27	-0.043	12	0.63	39.601	21	04.5	39.15	19	01.0	F5	GC	1822	P -52 182
40	9.4	9.2W	27 53.064	0.0008	07	-54 24 50.90	0.001	07	0.18	53.055	15	38.9	50.92	18	38.9	F0	C9	508	P -54 339
41		9.8T	27 59.443	0.0002	16	-56 27 1.88	0.002	13	0.73	59.433	24	03.7	1.96	24	01.7	F8	GC	1827	P -56 311
42	9.6	9.1W	28 11.155	0.0162	06	-59 45 52.90	0.039	06	0.14	11.106	14	46.9	53.02	14	46.9	G0	C0	416	P -60 117
43		7.0T	28 18.745	0.0035	11	-52 45 3.46	-0.014	10	0.53	18.587	17	05.0	2.78	18	99.7	K5	GC	1832	P -53 336
44		8.2T	28 55.588	0.0169	14	-59 54 59.70	-0.021	13	0.63	54.841	19	06.3	58.75	18	05.8	G0	GC	1842	P -60 118
45		7.7T	28 59.140	0.0170	24	-51 28 19.72	-0.106	22	1.08	58.369	21	04.6	14.86	19	04.1	G0	GC	1843	C -51 373
46		7.6T	29 13.428	-0.0040	07	-50 9 36.84	-0.080	06	0.35	13.607	15	04.8	32.86	14	00.2	F0	GC	1849	C -50 407
47	9.8	9.2W	29 28.576	0.0483	09	-58 58 32.36	-0.079	09	0.14	28.426	14	46.9	32.12	14	46.9	K0	C0	418	P -59 103
48	9.0	7.9W	29 30.268	0.0024	06	-56 13 29.33	-0.005	06	0.14	30.260	14	46.9	29.31	14	46.9	K0	C0	419	P -56 313
49	10.1	9.6W	29 33.999	0.0042	09	-59 22 54.77	0.048	09	0.14	33.986	14	46.9	54.92	14	46.9	G0	C0	420	P -59 104
50		7.9T	29 35.925	0.0081	16	-53 37 35.94	0.038	12	0.69	35.559	18	04.7	37.80	17	01.5	F5	GC	1860K	P*-54 342
51		8.1T	1 29 42.942	0.0214	17	-59 50 59.65	0.003	12	0.66	41.944	18	07.8	59.77	18	03.4	F8	GC	1861	P -60 119
52	9.9	9.4W	29 45.584	0.0036	12	-53 10 39.97	0.040	12	0.21	45.545	15	38.9	40.41	18	38.9	G5	C9	512	P -53 337
53		8.0T	29 54.323	0.0064	13	-50 49 30.37	-0.018	11	0.61	54.040	17	05.7	29.45	19	99.2	F0	GC	1866	C -51 377
54	9.0	9.3W	30 21.292	0.0013	09	-58 38 23.52	0.037	09	0.14	21.288	14	46.9	23.63	14	46.9	A0	C0	423	P*-59 105
55	10.4	10.1W	30 25.971	-0.0002	07	-56 18 11.50	0.007	07	0.14	25.972	14	46.9	11.52	14	46.9	G0	C0	424	P -56 316
56	9.9	9.0W	30 38.990	0.0077	13	-54 59 56.16	-0.006	13	0.22	38.904	15	38.9	56.10	18	38.9	K0	C9	514	P -55 321
57	9.5	9.2W	30 46.825	-0.0081	12	-52 27 28.27	-0.007	12	0.21	46.915	15	38.9	28.18	18	38.9	G0	C9	515	P*-52 188
58	9.4	9.0W	30 52.797	0.0200	07	-52 52 23.63	0.123	07	0.18	52.574	15	38.9	24.98	18	38.9	G5	C9	516	P -53 340
59	9.6E	8.7H	31 2.777	0.0035	12	-50 22 33.76	-0.001	12	0.70	2.620	45	04.9	33.72	45	04.9	K0	CZ	723	P -50 206
60	10.2	9.8W	31 13.487	-0.0010	09	-57 58 21.74	-0.035	09	0.14	13.490	14	46.9	21.63	14	46.9	G0	C0	427	P -58 115
61	9.0	8.0W	31 35.055	0.0017	06	-57 49 57.28	-0.015	06	0.14	35.050	14	46.9	57.23	14	46.9	K0	C0	428	P -58 116
62	9.0E	8.2H	31 40.384	-0.0007	12	-50 39 27.88	0.013	12	0.62	40.415	28	03.2	28.49	26	03.2	K0	CZ	731	P -51 218
63	9.2	8.2W	32 9.363	-0.0049	06	-58 35 23.32	-0.030	06	0.14	9.378	14	46.9	23.23	14	46.9	K0	C0	430	P -58 120
64	9.2	8.4W	32 14.302	0.0016	07	-59 34 5.04	-0.002	07	0.14	14.297	14	46.9	5.03	14	46.9	K0	C0	431	P -59 107
65		6.9T	32 20.118	0.0022	11	-57 15 25.23	0.006	09	0.53	20.001	19	02.2	25.58	18	97.1	B9	GC	1915K	P -57 330
66	9.0E	9.1H	32 31.130	0.0021	12	-51 22 33.32	0.018	12	0.65	31.031	31	02.3	34.17	31	02.3	A3	CZ	741	P -51 219
67		8.1T	32 44.123	0.0026	13	-50 3 34.80	-0.023	12	0.67	43.988	18	98.9	33.57	18	97.2	K5	GC	1921	C -50 424
68	10.2	9.3W	32 50.066	0.0037	07	-54 13 50.40	-0.037	07	0.18	50.024	15	38.9	49.99	18	38.9	K0	C9	519	P -54 349
69	9.8	9.4W	33 20.534	0.0017	09	-52 10 8.12	0.024	09	0.19	20.515	15	38.9	8.38	18	38.9	G5	C9	520	P -52 193
70		6.1T	33 22.906	0.0355	07	-58 23 39.17	-0.028	05	0.29	21.254	12	10.1	37.86	12	03.5	F2	GC	1937	P -58 123
71		7.8T	33 44.916	0.0117	17	-53 27 20.77	0.032	13	0.74	44.377	18	04.0	22.34	19	01.0	K0	GC	1945K	P -53 342
72		7.9T	33 46.223	0.0165	16	-55 29 44.31	0.189	12	0.69	45.413	21	05.2	53.55	19	01.0	G0	GC	1946	P -55 326
73	9.8	9.6W	33 57.492	0.0013	07	-55 21 13.11	-0.021	07	0.18	57.478	15	38.9	12.88	18	38.9	A3	C9	524	P -55 327
74	9.7	9.4W	34 19.391	0.0003	07	-57 46 22.91	0.008	07	0.14	19.390	14	46.9	22.93	14	46.9	G0	C0	437	P -58 124
75	8.5	8.4W	34 25.202	0.0043	07	-59 10 58.19	0.014	07	0.14	25.188	14	46.9	58.23	14	46.9	F2	C0	438	P -59 110
76		8.4T	34 29.919	-0.0091	14	-59 56 20.13	-0.029	13	0.59	30.306	18	10.7	18.88	18	07.4	F5	GC	1956	P -60 127
77		6.1T	34 54.998	0.0030	06	-58 31 31.48	0.009	05	0.25	54.867	09	10.9	31.85	09	06.6	M0	GC	1967	P -58 126
78		9.6T	35 3.182	0.0016	13	-56 19 29.66	-0.059	12	0.61	3.107	21	04.9	26.89	21	03.3	F8	GC	1970	P -56 322
79		8.9T	35 17.283	0.0013	14	-56 31 30.08	-0.017	12	0.65	17.219	22	04.6	29.29	21	02.0	K0	GC	1973	P -56 323
80	10.3E	9.3H	35 21.950	-0.0040	12	-51 41 40.86	-0.005	12	0.63	22.140	28	02.4	40.61	26	02.4	K0	CZ	760	P -52 201
81		0.6H	35 51.307	0.0129	01	-57 29 24.93	-0.028	02	0.08	50.725	04	05.1	23.66	04	04.9	B5	F4	54	P -57 334
82	9.3	8.5W	35 56.238	0.0057	07	-52 5 7.50	0.008	07	0.18	56.175	15	38.9	7.58	18	38.9	K0	C9	533	P -52 202
83		7.5T	36 52.094	-0.0031	10	-53 41 29.80	-0.040	08	0.53	52.254	19	98.5	27.48	17	92.0	F0	GC	2004K	P*-54 358
84		8.5T	36 53.071	-0.0069	18	-53 41 32.81	-0.051	17	0.85	53.390	24	03.9	30.40	22	02.8		GC	2005K	P*-54 358
85	9.3	9.2W	37 5.081	-0.0030	06	-57 4 18.28	0.016	06	0.14	5.091	14	46.9	18.33	14	46.9	F8	C0	451	P -57 336
86	8.6	8.4W	37 7.857	0.0030	06	-58 50 1.08	0.018	06	0.14	7.848	14	46.9	1.13	14	46.9	F5	C0	452	P*-59 114
87	9.9	9.5W	37 13.538	0.0001	13	-55 30 6.65	-0.016	13	0.22	13.537	15	38.9	6.48	18	38.9	F8	C9	543	P -55 336
88		6.9T	37 15.208	0.0081	07	-56 40 56.35	-0.033	08	0.41	14.791	15	95.5	54.67	14	98.6	F8	GC	2019	P -57 337
89	9.3	9.2W	37 41.646	0.0010	07	-53 50 41.99	-0.009	07	0.18	41.634	15	38.9	41.89	18	38.9	F0	C9	545	P -54 361
90		5.3T	37 54.263	0.0337	05	-56 26 52.43	0.027	04	0.24	52.473	10	03.6	53.84	09	96.9	G5	GC	2030	P*-56 329
91		7.6T	37 55.336	0.0086	16	-55 24 9.77	0.021	12	0.70	54.890	21	04.1	10.83	19	98.3	K0	GC	2031	P -55 337
92	9.5	9.3W	38 9.166	0.0089	07	-58 36 27.81	0.040	07	0.14	9.138	14	46.9	27.93	14	46.9	F5	C0	456	P -58 133
93	10.4	10.1W	38 21.808	0.0097	11	-59 27 30.78	0.018	11	0.14	21.778	14	46.9	30.83	14	46.9	G0	C0	457	P -59 121
94	9.6	8.6W	38 44.937	0.0062	06	-58 54 0.68	0.018	06	0.14	44.918	14	46.9	0.73	14	46.9	K0	C0	460	P -59 122
95	10.5	10.2W	39 3.160	-0.0025	09	-59 13 9.68	0.016	09	0.14	3.168	14	46.9	9.73	14	46.9	F8	C0	462	P -59 123
96		8.5T	39 38.716	0.0168	13	-53 11 3.43	-0.017	11	0.57	38.000	18	07.4	2.63	18	02.6	G5	GC	2075	P -53 350
97		6.7T	39 41.545	-0.0026	07	-50 17 25.90	-0.014	05	0.26	41.641	10	12.3	25.29	09	07.3	A2	GC	2077	C*-50 461
98	10.7E	10.3H	39 49.236	-0.0006	12	-51 13 4.75	0.013	12	0.65	49.266	31	02.4	5.38	31	02.4	F8	CZ	798	P -51 229
99	9.5	8.5W	39 52.668	0.0033	06	-58 51 37.58	0.018	06	0.14	52.658	14	46.9	37.63	14	46.9	K0	C0	464	P -59 124
00		7.7T	40 15.001	0.0004	14	-56 7 0.71	0.053	10	0.63	14.980	21	03.9	3.39	19	99.0	K0	GC	2096	P -56 337

232500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 1H DM NUMBER
1		5.6T	1 40 33.854	0.0194	08	-53 59 26.95	-0.086	06	0.34	33.075	15	09.8	22.93	14	03.3	G0		GC	2104	P -54 365
2	8.9	8.4W	40 50.051	0.0043	07	-58 39 50.69	-0.018	07	0.14	50.038	14	46.9	50.63	14	46.9	G5		CD	470	P -59 127
3	8.1	8.0W	40 56.134	0.0054	06	-54 56 53.77	0.011	06	0.18	56.094	15	38.9	53.90	18	38.9	A2		C9	554	P -55 339
4	9.9	9.7W	41 6.659	0.0002	09	-59 22 39.39	0.013	09	0.14	6.658	14	46.9	39.43	14	46.9	F5		CD	472	P -59 129
5	9.9	9.6W	41 6.789	0.0013	13	-54 29 9.88	-0.027	13	0.22	6.774	15	38.9	9.59	18	38.9	F5		C9	555	P -54 369
6	9.0	8.8W	41 8.454	-0.0012	07	-55 6 27.13	-0.014	07	0.18	8.468	15	38.9	28.98	18	38.9	F5		C9	557	P -55 340
7	9.8	9.1W	41 24.717	-0.0203	09	-58 15 31.42	-0.158	09	0.14	24.780	14	46.9	30.93	14	46.9	G5		CD	474	P -58 138
8		7.8T	41 37.858	0.0073	12	-56 29 6.80	-0.019	09	0.59	37.455	21	00.8	5.73	18	94.8	K0		GC	2121	P -56 339
9	10.2	9.5W	41 43.207	0.0084	09	-57 56 15.58	-0.017	09	0.14	43.200	14	46.9	15.53	14	46.9	G5		CD	476	P -58 139
10		8.1T	41 47.992	0.0077	14	-50 53 31.99	0.001	12	0.63	47.657	18	06.4	32.03	19	00.5	K5		GC	2124	C -51 414
11	9.3E	8.8W	42 16.119	0.0027	12	-50 21 0.05	-0.010	12	0.63	15.991	31	03.2	-59.60	28	03.2	A0		CZ	810	P -50 238
12		7.6T	42 41.046	0.0076	14	-51 16 16.12	0.011	11	0.66	40.675	17	01.2	16.69	18	97.2	K0		GC	2137	C -51 417
13	9.5	8.6W	42 55.080	0.0007	06	-59 1 19.93	-0.000	06	0.14	55.088	14	46.9	19.93	14	46.9	G5		CD	478	P -59 132
14	10.2	9.4W	43 13.897	-0.0032	13	-59 30 40.81	0.039	13	0.15	13.907	14	46.9	40.93	14	46.9	K0	O	CD	480	P -59 133
15	9.6	9.2W	43 15.011	-0.0048	06	-54 15 28.43	-0.004	06	0.18	15.064	15	38.9	28.39	18	38.9	G0		C9	561	P -54 374
16	9.3	9.2W	43 21.419	0.0006	06	-59 58 5.12	-0.028	06	0.14	21.417	14	46.9	5.03	14	46.9	F8		CD	481	P -60 140
17		9.5T	43 30.346	-0.0046	13	-56 21 28.53	-0.040	12	0.63	30.564	22	04.4	26.62	21	02.7	G0		GC	2150	P -56 340
18		9.2T	43 59.361	0.0064	13	-56 32 36.27	0.032	12	0.61	59.081	21	04.9	37.79	21	03.3	G0		GC	2159	P -56 341
19		5.5T	44 8.377	0.0034	07	-51 3 56.77	-0.018	05	0.28	8.232	09	07.3	55.91	09	02.8	M0		GC	2163	C*-51 419
20		5.1T	44 12.016	0.0150	05	-53 46 20.62	0.073	04	0.23	11.379	09	07.5	24.02	09	03.5	A0		GC	2165	P -54 377
21	10.0	9.8W	44 21.543	0.0008	13	-57 0 16.50	0.012	13	0.15	21.541	14	46.9	16.53	14	46.9	A5		CD	489	P -57 350
22		9.0T	44 22.702	0.0019	13	-56 25 52.11	0.036	11	0.62	22.604	21	03.3	53.98	19	98.7	A5		GC	2169	P -56 343
23	10.0E	9.9H	44 48.135	-0.0018	12	-50 20 17.90	-0.062	12	0.63	48.217	31	03.2	15.01	28	03.2	G5		CZ	830	P -50 242
24		8.1T	45 19.471	0.0028	13	-52 3 0.94	0.020	12	0.59	19.353	18	08.2	1.91	18	02.4	K0		GC	2185	P -52 218
25	10.0	9.8W	45 32.265	0.0009	06	-54 7 50.33	-0.031	06	0.18	32.254	15	38.9	49.99	18	38.9	G5		C9	565	P -54 378
26	9.1	8.2W	46 19.112	0.0036	06	-56 38 20.44	-0.035	06	0.14	19.101	14	46.9	20.33	14	46.9	K0		CD	496	P -57 359
27	10.2	9.5W	46 23.919	0.0010	09	-55 2 3.34	0.021	09	0.19	23.908	15	38.9	3.58	18	38.9	G5		C9	567	P -55 348
28	10.1	9.8W	46 46.447	-0.0025	07	-52 42 10.45	-0.023	07	0.18	46.474	15	38.9	10.18	18	38.9	G5		C9	568	P -53 357
29	9.4	8.4W	46 52.846	0.0048	06	-57 23 32.95	-0.005	06	0.14	52.831	14	46.9	32.93	14	46.9	K0		CD	498	P -57 361
30		7.6T	46 54.387	0.0047	16	-51 52 49.73	-0.032	12	0.71	54.167	21	03.4	48.10	19	98.4	K0		GC	2208	P -52 225
31		7.8T	46 55.021	0.0040	16	-50 43 54.43	0.016	12	0.75	54.827	19	01.5	55.38	19	96.8	B9		GC	2209	C -51 434
32	10.4	9.5W	47 9.112	0.0061	07	-53 33 26.86	0.011	07	0.18	9.044	15	38.9	26.99	18	38.9	K0		C9	572	P -53 359
33	10.0	9.1W	47 14.669	0.0022	07	-53 15 33.37	-0.007	07	0.18	14.645	15	38.9	33.28	18	38.9	K0		C9	573	P -53 360
34	10.3	9.7W	47 30.134	-0.0019	09	-53 9 35.77	-0.007	09	0.19	30.154	15	38.9	35.68	18	38.9	G5		C9	575	P -53 361
35	9.8E	9.5W	47 37.393	0.0031	12	-50 29 51.75	-0.006	12	0.63	37.246	31	03.1	51.49	28	03.1	F8		CZ	858	P -50 252
36	9.3	9.4W	48 0.154	0.0019	09	-58 48 53.00	0.011	09	0.14	0.148	14	46.9	53.03	14	46.9	A3		CD	502	P -59 149
37	10.4	9.6W	48 13.576	0.0060	09	-57 25 57.19	-0.020	09	0.14	13.561	14	46.9	57.13	14	46.9	K0		CD	503	P -57 364
38		8.0T	48 14.919	0.0117	13	-54 42 41.45	-0.025	11	0.62	14.362	21	04.2	40.20	19	99.8	K0		GC	2232	P*-55 351
39	9.8E	9.5H	48 28.836	0.0075	12	-50 6 50.41	0.019	12	0.70	28.496	45	04.9	51.27	45	04.9	G5		CZ	862	P -50 257
40		7.4T	48 31.855	-0.0001	14	-59 11 13.45	0.024	10	0.57	31.859	18	06.4	14.55	17	03.2	K0		GC	2240	P -59 150
41	10.1	9.5W	48 44.597	0.0237	07	-54 15 25.92	0.042	07	0.18	44.334	15	38.9	26.39	18	38.9	G5		C9	580	P -54 383
42		6.0T	48 58.063	-0.0057	06	-50 27 11.44	-0.002	05	0.29	58.307	14	06.8	11.32	12	00.6	A0		GC	2247	C -50 514
43	9.8E	9.1H	49 0.030	0.0001	12	-50 54 40.45	-0.007	12	0.65	0.025	31	02.2	40.13	31	02.2	K0		CZ	866	P -51 249
44		7.6T	49 8.493	0.0023	13	-54 31 36.47	-0.035	10	0.60	8.386	21	03.7	34.68	19	99.2	K2		GC	2254	P -54 385
45	10.3	9.1W	49 8.603	0.0047	06	-58 32 18.26	-0.009	06	0.14	8.568	14	46.9	18.23	14	46.9	K2		CD	506	P -58 157
46	9.1	8.9W	49 16.337	-0.0046	07	-55 27 24.59	-0.038	07	0.18	16.388	15	38.9	24.17	18	38.9	F2		C9	583	P -55 354
47	9.3E	9.3H	49 21.086	-0.0002	12	-50 13 14.61	-0.022	12	0.70	21.093	45	04.9	13.62	45	04.9	G0		CZ	872	P -50 283
48	10.3	8.8W	49 48.227	0.0029	09	-59 11 9.11	-0.007	09	0.14	48.218	14	46.9	9.13	14	46.9	K5	O	CD	508	P -59 153
49		7.7T	49 52.189	0.0006	17	-50 14 26.69	-0.008	13	0.77	52.158	17	02.3	26.27	18	99.2	K2		GC	2268	C -50 522
50	9.4	9.2W	49 56.708	0.0027	11	-57 36 42.32	0.004	11	0.14	56.700	14	46.9	42.33	14	46.9	F0		CD	509	P -57 367
51	10.7	9.5W	1 50 8.143	0.0008	09	-54 24 40.27	-0.034	09	0.19	8.134	15	38.9	39.89	18	38.9	K2	O	C9	587	P -54 392
52	9.1	8.0W	50 15.672	0.0011	06	-59 8 49.46	-0.022	06	0.14	15.668	14	46.9	49.53	14	46.9	K0		CD	510	P -59 154
53	8.3	8.1W	50 18.430	0.0026	06	-56 0 22.97	0.018	06	0.14	18.422	14	46.9	23.02	14	46.9	F5		CD	511	P -56 348
54		9.5T	50 30.756	-0.0002	14	-56 21 29.17	-0.006	12	0.69	30.766	24	02.0	29.45	22	00.2	K2		GC	2285	P -56 349
55		8.0T	50 54.316	-0.0013	17	-54 15 26.36	-0.006	13	0.74	54.376	22	04.7	26.06	19	00.5	K2		GC	2292	P -54 393
56	9.1	8.2W	51 2.201	0.0002	06	-56 37 1.03	-0.033	06	0.14	2.201	14	46.9	0.93	14	46.9	K0		CD	514	P -56 352
57		8.2T	51 8.080	0.0033	16	-52 56 13.81	0.001	13	0.72	7.927	18	03.7	13.86	19	00.9	K2		GC	2295	P -53 389
58	9.6	9.3W	51 10.301	0.0066	07	-56 53 23.18	0.016	07	0.14	10.281	14	46.9	23.23	14	46.9	F8		CD	516	P -57 371
59	10.0E	9.7H	51 11.582	-0.0002	12	-51 11 18.24	0.004	12	0.81	11.592	63	04.9	18.43	57	04.9	F0		CZ	867	P -51 251
60	9.3	8.8W	51 26.760	0.0139	06	-59 39 34.27	0.085	06	0.14	26.717	14	46.9	34.53	14	46.9	G5		CD	518	P -60 156
61		7.9T	51 39.777	0.0075	18	-53 29 39.61	0.019	15	0.77	39.450	22	06.5	40.47	22	04.9	K0		GC	2304	P -53 370
62	10.3E	9.4H	51 44.676	0.0027	12	-51 6 22.02	-0.033	12	0.65	44.548	31	02.2	20.46	31	02.2	F8		CZ	891	P -51 254
63	8.8	8.3W	52 0.634	-0.0111	06	-55 0 14.96	-0.116	06	0.18	0.758	15	38.9	13.67	18	38.9	G0		C9	598	P -55 365
64	10.2	10.4W	52 11.608	-0.0051	15	-54 4 16.09	0.045	15	0.24	11.664	15	38.9	16.59	18	38.9	A2		C9	599	P -54 395
65		7.5T	52 25.681	0.0044	12	-58 9 52.27	0.015	11	0.60	25.458	19	03.2	53.02	18	99.6	K2		GC	2316	P -58 166
66	11.3E	9.9Z	53 15.333	0.0025	12	-51 39 58.91	0.012	12	0.65	15.214	31	02.3	59.48	31	02.3			CZ	896	P -52 238
67	8.7	8.5W	53 31.758	0.0061	07	-58 35 41.86	-0.009	07	0.14	31.738	14	46.7	41.83	14	46.7	F8		CD	524	P -58 172
68	10.2E	10.1H	53 32.989	0.0081	12	-50 36 56.93	0.079	12	0.63	32.590	31	03.2	+ 0.64	28	03.2	G0		CZ	898	P -50 276
69	9.8	9.8W	53 36.053	0.0020	07	-59 31 4.73	-0.000	07	0.14	36.047	14	46.7	4.73	14	46.7	A2		CD	526	P -59 163
70	10.1	10.0W	53 45.040	-0.0031	09	-52 27 49.23	-0.031	09	0.19	45.075	15	38.9	48.88	18	38.9	G0		C9	602	P -52 239
71	9.5	8.8W	53 49.541	0.0024	06	-52 23 8.21	-0.020	06	0.18	49.515	15	38.9	7.99	18	38.9	G5		C9	603	P -52 240
72		6.9T	54 0.431	0.0055	14	-55 18 58.55	0.011	11	0.65	0.153	21	03.2	59.08	19	99.6	A2		GC	2338	P -55 367
73		3.7H	54 0.823	0.0733	03	-51 51 25.74	-0.299	03	0.11	-58.149	05	13.5	36.39	05	14.4	G5		F4	68	P -52 241
74		6.5T	54 13.799	0.0003	16	-50 4 50.21	0.017	12	0.73	13.782	17	01.7	51.05	18	99.2	B8		GC	2342	C -50 545
75	10.2	9.2W	54 19.955	0.0054	07	-54 38 50.20	0.009	07	0.18	19.894	15	38.9	50.30	18	38.9	K5		C9	607	P -55 369
76	9.5	8.5W	54 40.044	0.0018	07	-54 29 43.09	0.000	07	0.18	40.024	15	38.9	43.09	18	38.9	K0		C9	609	P -54 396
77	9.9E	9.5Z	54 48.536	-0.0031	12	-50 42 54.60	-0.032	12	0.70	48.676	45	04.9	53.17	45	04.9	F8		CZ	9120	P*-51 257
78	10.1	9.7W	54 51.007	0.0069	07	-58 42 52.20	0.039	07	0.14	50.988	14	46.7	52.33	14	46.7	G3	O	CD	529	P -59 167
79		7.7T	54 56.308	0.0030	13	-58 42 55.00	0.002	11	0.57	56.174	18	07.8	55.07	18	05.5	F5		GC	2361	P -59 168
80	9.9	9.7W	55 2.354	0.0045	15	-54 24 17.45	0.021	15	0.24	2.304	15	38.9	17.69	18	38.9	F8		C9	611	P -54 397
81		6.1T	55 5.731	0.0386	10	-52 0 47.58	0.255	08	0.52	5.738	19	98.4	+ 2.56	18	91.3	F8		GC	2365	P -52 242
82	10.7	9.9W	55 11.542	0.0061	09	-51 56 20.31	-0.020	09	0.19	11.475	15	38.9	20.09	18	38.9	G8	O	C9	613	P -52 243
83	9.6	9.2W	55 22.117	0.0027	07	-55 23 9.36	-0.035	07	0.18	22.087	15	38.9	8.98	18	38.9	F8		C9	617	P -55 372
84	9.8	8.7W	55 24.393	0.0007	07	-57 11 22.90	-0.022	07	0.14	24.391	14	46.7	22.83	14	46.7	K2		CD	532	P -57 380
85	8.2	7.7W	55 37.620	0.0023	06	-52 26 33.70	-0.046	06	0.18	37.595	15	38.9	33.18	18	38.9	F5		C9	620	P*-52 246
86	10.0	8.6W	56 8.410	0.0009	06	-59 35 27.23	-0.030	06	0.14	8.407	14	46.7	27.13	14	46.7	K2		CD	533	P -59 172
87	10.3	9.7W	56 24.988	0.0062	09	-59 3 25.36	-0.007	09	0.14	24.968	14	46.7	25.33	14	46.7	G2	O	CD	534	P -59 174
88	10.3E	9.4H	56 28.695	0.0024	12	-51 10 33.86	-0.003	12	0.65	28.582	31	02.4	33.72	31	02.4	F2		CZ	920	P -51 261
89	9.6	8.7W	56 38.956	-0.0010	07	-55 40 28.41	-0.012	07	0.18	38.967	15	38.9	28.28	18	38.9	K2		C9	624	P -56 360
90	9.0	8.3W	57 6.892	0.0186	06	-57 6 49.60	0.130	06	0.14	6.831	14	46.7	50.03	14	46.7	G5		CD	536	P -57 383
91	9.4	9.2W	57 10.376	0.0196	06	-57 7 12.13	0.122	06	0.14	10.311	14	46.7	12.53	14	46.7	F8	O	CD	537	P -57 385
92	8.7	7.8W	57 11.595	0.0027	06	-52 29 21.83	0.014	06	0.18	11.565	15	38.9	21.98	18	38.9	K0		C9	627	P -52 249
93		8.9T	57 18.740	-0.0013	18	-50 23 18.67	-0.215	17	0.86	18.799	19	02.7	8.18	18	01.3	G5		GC	2408	C -50 559
94	11.5E	9.3Z	57 22.827	0.0017	12	-51 34 8.61	-0.031	12	0.65	22.746	31	02.4	7.13	31	02.4			CZ	929	P -51 263
95	9.8E	8.9H	57 56.264	0.0023	12	-50 48 30.86	-0.002	12	0.61	56.161	63	04.9	30.78	57	04.9	G5		CZ	937	P -51 264
96	10.2	10.0W	57 57.367	-0.0007	13	-53 58 26.14	0.058	13	0.22	57.374	15	38.9	26.79	18	38.9	F5		C9	630	P -54 406
97	9.4	8.5W	58 0.758	-0.0006	06	-51 50 24.86	0.003	06	0.18	0.765	15	38.9	24.88	18	38.9	K0		C9	631	P -52 250
98	9.2	8.8W	58 20.424	0.0017	07	-54 39 52.56	0.012	07	0.18	20.404	15	38.9	52.70	18	38.9	F8		C9	632	P -55 377
99	10.3	10.0W	58 27.068	0.0021	14	-53 17 31.30	0.017	14	0.23	27.064	15	38.9	31.48	18	38.9	G0		C9	633	P -53 380
00		6.6T	58 30.505	0.0077	13	-55 15 15.50	0.017	12	0.65	30.108	19	01.7	16.35	18	98.5	G5		GC	2437	P -55 378

232600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ'	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.5	9.0W	1 59 4.837	0.0026	07	-55 28 57.98	-0.010	07	0.18	4.808	15	38.9	57.88	18	38.9	K5		C9	636	P -55 379
2	9.0	8.9W	59 21.633	0.0017	05	-54 15 3.70	0.026	05	0.18	21.614	15	38.9	3.99	18	38.9	A5		C9	638	P*-54 409
3	10.2	9.8W	59 24.436	0.0003	14	-52 51 14.52	0.024	14	0.23	24.435	15	38.9	14.78	18	38.9	F5		C9	640	P -53 382
4		8.1T	59 28.413	0.0023	16	-55 23 8.84	0.014	12	0.69	28.299	21	05.2	9.50	19	01.0	A3		GC	2453	P -55 380
5	9.9	9.8W	2 0 0.550	-0.0004	12	-52 58 45.58	0.109	12	0.21	0.554	15	38.9	46.78	18	38.9	A5		C9	642	P -53 383
6	8.6E	8.1H	0 1.560	0.0018	12	-50 22 6.60	0.023	12	0.63	1.474	31	03.2	7.69	28	03.2	G5		CZ	947	P -50 291
7	9.3	9.0W	0 13.873	0.0071	06	-57 55 40.34	0.028	06	0.14	13.850	14	46.7	40.43	14	46.7	F8		CO	542	P -58 182
8	8.9E	8.2H	0 23.433	0.0062	12	-50 43 59.89	0.006	12	0.63	23.143	31	03.2	0.19	28	03.2	F8		CZ	953	P -51 266
9		8.3T	0 37.002	0.0050	13	-56 29 9.27	-0.006	12	0.62	36.760	21	04.0	8.96	21	01.7	K0		GC	2473	P -56 365
10	8.5	8.5W	0 45.568	-0.0015	05	-52 46 23.49	0.036	05	0.18	45.585	15	38.9	23.88	18	38.9	A3		C9	648	P -53 387
11	10.2	10.0W	0 48.305	0.0016	07	-57 49 35.24	-0.031	07	0.14	48.300	14	46.7	35.13	14	46.7	F8	O	CO	544	P -58 183
12	9.9	9.6W	0 51.130	0.0014	13	-53 12 15.18	-0.026	13	0.22	51.115	15	38.9	14.88	18	38.9	F5		C9	647	P -53 388
13	8.5	9.0W	1 2.461	0.0064	07	-57 50 7.12	0.063	07	0.14	2.440	14	46.7	7.33	14	46.7	B9		CO	546	P -58 184
14		7.3T	1 9.853	0.0013	09	-53 16 33.76	0.010	07	0.49	9.785	18	98.2	34.35	18	91.6	A2		GC	2486	P -53 389
15	9.0	8.7W	2 7.890	-0.0020	06	-59 37 40.59	-0.017	06	0.14	7.897	14	46.7	40.53	14	46.7	F5		CO	552	P -59 180
16		8.6T	2 9.972	0.0030	15	-55 54 3.05	0.014	12	0.69	9.818	21	03.1	3.75	19	98.5	B9		GC	2502	P -56 371
17	10.2E	9.4H	2 26.817	0.0003	12	-51 23 31.53	-0.084	12	0.64	26.804	31	02.8	27.55	31	02.8	K0		CZ	968	P -51 270
18		8.3T	2 32.002	0.0029	14	-54 35 38.01	0.005	11	0.65	31.867	21	03.9	38.27	19	98.2	A2		GC	2509	P -54 413
19	10.0	9.1W	2 44.354	0.0017	06	-53 53 29.91	-0.011	06	0.18	44.334	15	38.9	29.79	18	38.9	K0		C9	659	P -54 415
20		6.5T	2 50.012	0.0120	12	-55 7 13.01	-0.019	10	0.60	49.360	18	00.6	11.95	17	95.7	F2		GC	2512	P*-55 385
21	10.1E	9.1H	2 52.110	-0.0005	12	-50 42 30.45	-0.018	12	0.69	52.133	45	05.4	29.65	45	05.4	K0		CZ	970	P -51 271
22		7.6T	2 52.822	0.0009	13	-58 35 0.48	0.018	09	0.53	52.780	18	08.0	1.29	17	04.1	A2		GC	2513	P -58 191
23	10.0	9.1W	3 10.637	-0.0074	07	-56 24 27.36	-0.104	07	0.14	10.661	14	46.7	27.02	14	46.7	G0		CO	558	P -56 375
24	9.1	9.2W	3 20.434	0.0011	11	-57 36 44.10	0.039	11	0.14	20.430	14	46.7	44.23	14	46.7	A2		CO	559	P*-57 397
25	10.2	9.6W	3 30.273	-0.0065	11	-53 7 17.14	-0.005	11	0.21	30.344	15	38.9	17.08	18	38.9	K0		C9	661	P -53 391
26	9.5	9.3W	3 32.251	0.0011	06	-59 44 44.32	0.004	06	0.14	32.247	14	46.7	44.33	14	46.7	F8		CO	562	P -60 179
27	10.2	10.0W	3 41.618	-0.0018	15	-55 16 21.57	0.054	15	0.24	41.638	15	38.9	22.18	18	38.9	F0		C9	662	P -55 386
28	10.1	9.2W	3 44.224	0.0026	07	-54 29 36.72	-0.003	07	0.18	44.194	15	38.9	36.69	18	38.9	K2		C9	664	P -54 416
29		7.6T	3 45.801	0.0026	12	-52 13 46.74	0.038	11	0.58	45.681	15	04.1	48.76	15	97.3	F2		GC	2528	P -52 263
30	8.8	8.8W	3 47.696	-0.0005	06	-59 24 17.73	0.002	06	0.14	47.698	14	46.7	17.73	14	46.7	A2		CO	563	P*-59 186
31	10.2	9.6W	3 49.548	-0.0042	15	-54 21 27.55	-0.033	15	0.24	49.594	15	38.9	27.19	18	38.9	G5		C9	666	P -54 417
32		8.7B	3 51.157	0.0017	18	-58 22 52.14	0.018	13	0.81	51.067	31	05.6	53.06	29	98.4	A2		GC	2529	P -58 192
33	10.3	9.9W	4 21.182	0.0006	09	-58 17 29.32	0.034	09	0.14	21.180	14	46.7	29.43	14	46.7	G0	O	CO	566	P -58 193
34		7.2T	4 44.571	0.0037	09	-55 19 14.13	0.018	07	0.49	44.348	18	94.9	15.18	17	90.0	G5		GC	2543	P -55 388
35	9.8	8.9W	4 48.698	-0.0009	07	-55 9 50.79	-0.020	07	0.18	48.708	15	38.9	50.57	18	38.9	K0		C9	670	P -55 390
36	10.8E	9.5H	5 4.242	-0.0027	12	-50 13 2.83	-0.022	12	0.63	4.370	31	03.5	1.80	28	03.5	K5		CZ	987	P -50 304
37	8.9E	8.2H	5 8.718	0.0016	12	-50 52 38.45	0.066	12	0.64	8.643	31	02.8	41.56	31	02.8	F5		CZ	988	P -51 275
38	10.2	9.2W	5 23.432	0.0040	07	-55 23 17.01	-0.006	07	0.18	23.388	15	38.9	17.08	18	38.9	K0		C9	672	P -55 391
39	9.1	8.7W	5 30.776	0.0109	06	-53 26 9.19	-0.018	06	0.18	30.654	15	38.9	8.98	18	38.9	G5		C9	674	P -53 394
40		9.7T	5 41.545	0.0007	18	-54 5 19.49	0.023	13	0.78	41.515	24	05.5	20.61	22	00.8	K0		GC	2556	P -54 419
41	10.3E	9.2H	5 45.889	-0.0050	12	-51 40 21.23	-0.036	12	0.64	46.123	31	02.9	19.52	31	02.9	G5		CZ	991	P -52 268
42		7.6T	5 52.036	0.0127	14	-59 54 59.41	-0.029	11	0.62	51.403	19	05.2	57.94	18	00.2	F5		GC	2559K	P -60 182
43		7.8T	6 5.068	0.0027	13	-57 25 51.05	-0.048	11	0.57	4.942	17	05.9	48.85	15	03.7	K0		GC	2566	P -57 403
44	9.9	9.4W	6 12.829	0.0304	07	-58 34 44.84	0.027	07	0.14	12.728	14	46.7	44.93	14	46.7	G3	O	CO	570	P -58 196
45		7.7T	6 31.947	0.0020	15	-55 45 44.44	-0.019	11	0.66	31.844	21	04.7	43.44	19	99.0	K0		GC	2570K	P -56 381
46	8.7	8.6W	6 35.334	0.0017	06	-53 43 39.97	0.020	06	0.18	35.314	15	38.9	40.19	18	38.9	A5		C9	679	P -54 422
47	10.2	9.9W	6 40.816	0.0080	15	-55 5 12.51	0.051	15	0.24	40.727	15	38.9	13.08	18	38.9	F5		C9	680	P -55 393
48	11.2E	9.8Z	7 4.792	-0.0010	12	-50 3 35.93	-0.014	12	0.63	4.841	31	03.5	35.27	28	03.5			CZ	1001	P -50 307
49	10.2	10.0W	7 4.809	0.0049	07	-54 43 1.33	-0.012	07	0.18	4.754	15	38.9	1.20	18	38.9	F5		C9	684	P -55 394
50	10.5	10.1W	7 16.156	0.0019	15	-54 22 53.30	-0.001	15	0.24	16.134	15	38.9	53.29	18	38.9	G0	O	C9	685	P -54 424
51	10.8	9.4W	2 7 32.277	0.0038	09	-54 44 49.77	-0.016	09	0.19	32.234	15	38.9	49.60	18	38.9	K6	O	C9	688	P -55 395
52	10.3	9.6W	7 35.194	-0.0064	11	-53 2 23.22	0.015	11	0.21	35.265	15	38.9	23.38	18	38.9	K0		C9	690	P -53 397
53	8.9	9.1W	7 43.607	0.0047	06	-53 41 29.71	0.043	06	0.18	43.554	15	38.9	30.19	18	38.9	A2		C9	692	P -54 425
54	10.0	9.9W	7 44.798	-0.0006	14	-52 58 44.62	0.015	14	0.23	44.805	15	38.9	44.78	18	38.9	F0		C9	693	P -53 399
55	8.8	8.1W	7 50.841	-0.0003	06	-53 30 43.61	0.025	06	0.18	50.844	15	38.9	43.89	18	38.9	G5		C9	694	P -53 400
56		6.9T	7 55.942	0.0183	10	-51 58 0.88	0.071	07	0.51	54.995	19	98.3	5.11	18	90.7	K0		GC	2603	P -52 273
57	10.0	9.6W	8 23.158	0.0109	15	-55 22 21.37	0.000	15	0.24	23.037	15	38.9	21.37	18	38.9	F8		C9	697	P -55 399
58		6.3T	8 24.766	0.2244	09	-51 4 7.20	0.655	07	0.36	15.320	12	07.9	37.91	12	03.1	G5		GC	2610	C -51 532
59	10.1	9.9W	8 28.739	0.0114	13	-56 24 23.62	0.062	13	0.15	28.701	14	46.7	23.82	14	46.7	F5		CO	573	P -56 385
60	9.7	9.4W	8 37.098	-0.0060	07	-54 53 59.10	-0.045	07	0.18	37.164	15	38.9	58.60	18	38.9	G0		C9	699	P -55 400
61	9.5	9.1W	8 40.190	0.0087	13	-56 7 29.14	-0.096	13	0.15	40.161	14	46.7	28.82	14	46.7	G0		CO	574	P -56 386
62		9.5T	9 8.031	-0.0017	14	-56 27 39.71	-0.007	12	0.68	8.117	24	02.6	39.33	22	99.0			GC	2626	P -56 389
63	10.0	9.5W	9 14.930	-0.0032	07	-57 4 56.17	-0.012	07	0.14	14.941	14	46.7	56.13	14	46.7	G5		CO	578	P -57 409
64	10.0	8.8W	9 20.590	0.0008	06	-59 42 44.15	-0.005	06	0.14	20.587	14	46.7	44.13	14	46.7	K5		CO	580	P -60 186
65		7.5T	9 36.166	0.0025	12	-59 23 12.58	0.002	10	0.55	36.038	18	03.2	12.67	17	99.1	K0		GC	2634	P -59 196
66	10.2	9.0W	9 43.875	0.0015	13	-58 15 6.81	0.007	13	0.15	43.870	14	46.7	6.83	14	46.7	K5		CO	582	P -58 199
67	10.7	10.2W	9 47.950	0.0005	09	-54 13 34.09	0.045	09	0.19	47.944	15	38.9	34.59	18	38.9	G8	O	C9	703	P -54 428
68	11.0E	9.7Z	9 52.976	0.0001	12	-50 13 14.44	-0.010	12	0.63	52.973	31	03.2	13.96	28	03.2			CZ	1032	P -50 310
69	10.6	9.7W	9 58.185	-0.0017	09	-56 55 17.71	0.006	09	0.14	58.191	14	46.7	17.73	14	46.7	K	O	CO	584	P -57 411
70		7.6T	10 4.461	0.0008	17	-54 16 58.98	0.000	12	0.72	4.426	21	05.2	58.98	19	01.1	A5		GC	2644	P -54 429
71	10.6	9.8W	10 13.584	0.0050	09	-58 58 30.74	-0.033	09	0.14	13.568	14	46.7	30.63	14	46.7	K0	O	CO	585	P -59 198
72		8.7T	10 29.071	0.0011	16	-55 42 26.44	0.012	14	0.65	29.024	19	10.3	26.94	21	07.3	A3		GC	2660	P -56 390
73	9.4	9.3W	10 53.670	0.0023	06	-52 43 11.08	0.010	06	0.18	53.644	15	38.9	11.18	18	38.9	G0		C9	711	P -53 409
74		8.4T	10 59.636	-0.0106	15	-53 58 40.53	0.036	12	0.68	0.129	21	03.6	42.35	19	99.2	K		GC	2673	P -54 432
75	10.0	9.2W	11 11.949	0.0166	06	-54 28 41.97	0.065	06	0.18	11.764	15	38.9	42.69	18	38.9	K0		C9	715	P -54 433
76	8.8	8.5W	11 17.902	0.0016	06	-59 31 22.43	-0.000	06	0.14	17.897	14	46.7	22.43	14	46.7	F5		CO	587	P -59 199
77	9.5	9.0W	11 43.907	0.0195	06	-59 47 59.70	0.007	06	0.14	43.827	14	45.9	59.72	14	45.9	G5		CO	424	P -60 190
78	10.1	9.7W	11 55.966	-0.0045	09	-57 26 41.33	0.033	09	0.14	55.981	14	46.7	41.43	14	46.7	G0		CO	591	P -57 415
79		8.4T	11 57.193	-0.0040	11	-57 34 40.65	-0.013	09	0.50	57.389	17	08.1	40.00	17	00.5	F8		GC	2692	P -57 416
80	9.8	9.7W	12 14.332	0.0001	07	-55 55 17.01	0.004	07	0.14	14.332	14	46.7	17.02	14	46.7	A3		CO	594	P -56 399
81	10.1	9.8W	12 40.287	0.0078	07	-56 48 47.75	-0.006	07	0.14	40.261	14	46.7	47.73	14	46.7	G0		CO	596	P -57 417
82	10.1	9.3W	13 10.148	-0.0006	07	-54 41 5.68	-0.034	07	0.18	10.154	15	38.9	5.30	18	38.9	K5		C9	719	P -55 404
83	10.2E	9.3H	13 21.363	0.0074	12	-51 42 53.83	-0.000	12	0.64	21.013	31	02.8	53.81	31	02.8	G5		CZ	1060	P -52 279
84	10.0	9.0W	13 22.002	0.0035	07	-57 9 11.11	0.008	07	0.14	21.991	14	46.7	11.13	14	46.7	K2		CO	597	P -57 420
85	10.4		13 22.838	-0.0039	13	-56 3 38.06	0.049	13	0.15	22.851	14	46.7	38.22	14	46.7	A2	O	CO	598	P -56 403
86		8.1T	13 36.834	-0.0023	20	-51 7 4.61	-0.029	13	0.80	36.936	24	05.7	3.23	24	02.7	G5		GC	2726	C -51 552
87	10.3	9.4W	13 39.949	0.0049	07	-52 30 1.40	0.026	07	0.18	39.894	15	38.9	1.68	18	38.9	K2		C9	722	P -52 281
88	10.8E	9.8Z	13 54.785	-0.0035	12	-50 12 6.15	-0.009	12	0.61	54.949	28	03.7	5.72	26	03.7			CZ	1066	P -50 321
89		7.2T	13 57.510	0.0086	16	-52 26 20.58	0.064	12	0.71	57.107	18	03.3	23.78	19	00.2	F8		GC	2731	P -52 283
90		8.0T	14 10.906	0.0004	14	-55 30 38.32	-0.017	12	0.66	10.886	21	03.9	37.45	19	00.1	F0		GC	2737	P -55 407
91	9.6E	9.1H	14 12.509	0.0009	12	-51 0 11.11	-0.040	12	0.69	12.469	45	05.4	9.33	45	05.4	G0		CZ	1068	P -51 297
92		7.1T	14 18.535	-0.0024	12	-53 7 13.99	-0.013	10	0.60	18.651	18	01.4	13.32	19	98.3	F0		GC	2739	P -53 417
93	9.6	8.8W	14 22.575	0.0036	07	-53 37 23.25	0.022	07	0.18	22.534	15	38.9	23.49	18	38.9	K0		C9	730	P -53 418
94	10.3	9.4W	14 29.864	0.0040	07	-56 52 52.31	0.007	07	0.14	29.851	14	46.7	52.33	14	46.7	G5		CO	600	P -57 422
95	9.8	9.6W	14 33.482	-0.0013	07	-55 43 30.64	0.003	07	0.18	33.496	15	38.9	30.68	18	38.9	G0		C9	731	P -56 408
96		3 8H	14 43.421	0.0102	02	-51 44 34.89	-0.022	02	0.10	43.046	06	13.2	34.07	05	12.6	B8		F4	82	P -52 285
97		9.3T	14 48.086	-0.0066	22	-50 39 28.66	-0.144	22	1.03	48.382	21	05.2	22.12	19	04.7	G0		GC	2757	C -51 558
98	9.7	8.8W	15 21.487	0.0056	07	-54 3 21.22	-0.021	07	0.18	21.424	15	38.9	20.99	18	38.9	K5		C9	735	P -54 439
99	10.3	9.5W	15 47.691	-0.0030	15	-54 47 22.01	-0.001	15	0.24	47.724	15	38.9	22.00	18	38.9	K2		C9	737	P -55 412
00	10.0E	9.2H	15 55.063	-0.0017	12	-50 28 31.82	0.001	12	0.70	55.143	45	04.4	31.86	45	04.4	G5		CZ	1084	P -50 328

232700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.1T	2 16 2.946	0.0043	12	-56 28 47.70	-0.134	11	0.55	2.742	18	06.8	41.31	19	02.5	G0	GC	2782	P -56 409
2	9.3E	8.8H	16 14.150	0.0133	12	-51 3 0.10	0.087	12	0.81	13.550	63	04.9	4.03	57	04.9	G0	CZ	1086	P -51 300
3	9.2	8.9W	16 39.171	0.0033	06	-58 2 59.14	0.027	06	0.14	39.160	14	46.7	59.23	14	46.7	G0	C0	605	P -58 201
4	10.1	10.0W	17 1.971	0.0070	11	-59 4 20.68	0.017	11	0.14	1.948	14	46.7	20.73	14	46.7	F7	C0	607	P -59 201
5	9.4	9.0W	17 3.753	0.0122	05	-55 5 22.43	-0.005	05	0.18	3.618	15	38.9	22.38	18	38.9	G5	C9	739	P -55 415
6		7.8T	17 17.006	0.0009	16	-54 10 1.49	0.013	13	0.72	16.965	21	03.8	2.14	19	00.5	K2	GC	2801	P -54 440
7	10.0	9.5W	17 25.299	0.0033	11	-59 26 55.00	-0.020	11	0.14	25.288	14	46.7	54.93	14	46.7	K0	C0	608	P -59 202
8	9.6	9.7W	17 32.257	-0.0007	07	-53 25 35.30	-0.037	07	0.18	32.265	15	38.9	34.89	18	38.9	G0	C9	741	P -53 422
9	9.3E	8.5H	17 46.639	0.0007	12	-51 0 24.15	-0.000	12	0.65	46.607	31	02.3	24.14	31	02.3	K2	CZ	1093	P -51 301
10	10.2E	10.3H	17 52.977	-0.0016	12	-51 20 33.95	-0.007	12	0.81	53.051	63	04.9	33.61	57	04.9	G0	CZ	1094	P -51 302
11	10.2	9.4W	17 56.266	-0.0013	13	-57 9 38.95	-0.065	13	0.15	56.271	14	46.7	38.73	14	46.7	G5	C0	609	P -57 426
12	9.6	9.5W	17 57.513	-0.0025	07	-55 53 31.77	-0.046	07	0.14	57.521	14	46.7	31.62	14	46.7	F5	C0	610	P -56 410
13	10.7E	9.6Z	18 0.943	0.0040	12	-50 8 33.23	0.006	12	0.64	0.757	31	02.9	33.50	28	02.9		CZ	1097	P -50 334
14	8.9	7.9W	18 1.035	0.0061	07	-55 14 44.41	-0.021	07	0.18	0.968	15	38.9	44.18	18	38.9	K0	C9	744	P -55 417
15	10.0	9.9W	18 6.512	-0.0014	09	-59 34 39.08	0.015	09	0.14	6.517	14	46.7	39.13	14	46.7	F2	C0	611	P -59 203
16		8.4T	18 8.646	-0.0035	17	-56 20 41.78	0.035	13	0.72	8.806	22	06.3	43.36	22	04.4	F5	GC	2819	P -56 412
17		5.6T	18 17.021	0.0030	07	-56 10 25.41	0.029	05	0.30	16.869	12	06.9	26.85	10	99.5	K5	GC	2821K	P -56 413
18		7.3T	18 28.119	0.0043	17	-50 31 51.97	0.003	13	0.78	27.912	17	01.7	52.11	18	98.6	K0	GC	2825	C -50 675
19	11.5E	9.4Z	18 32.392	0.0024	12	-51 40 40.19	-0.017	12	0.65	32.276	31	02.4	39.35	31	02.4		CZ	1102	P -52 292
20		7.7T	18 38.587	0.0032	13	-56 19 33.76	0.022	12	0.63	38.438	22	04.9	34.76	22	03.6	K2	GC	2828	P -56 415
21	10.1	9.2W	18 41.775	0.0106	06	-58 4 44.48	0.045	06	0.14	41.740	14	46.7	44.63	14	46.7	K2	C0	615	P -58 203
22		6.9T	18 47.923	-0.0035	09	-57 0 44.96	-0.009	08	0.45	48.103	17	01.9	44.51	15	98.0	G5	GC	2833	P -57 427
23	9.9E	9.5H	19 2.102	0.0064	12	-51 6 48.79	-0.001	12	0.81	1.814	63	04.9	48.74	57	04.9	K0	CZ	1105	P -51 303
24	9.2	9.2W	19 4.093	-0.0013	13	-58 42 36.37	0.019	13	0.15	4.098	14	46.7	36.43	14	46.7	A0	C0	617	P -59 204
25		7.6T	19 11.741	-0.0077	12	-53 11 29.79	0.009	11	0.56	12.082	15	05.6	30.23	18	01.0	F5	GC	2841	P -53 423
26	10.0	9.2W	19 18.251	0.0006	15	-52 55 14.69	0.036	15	0.24	18.244	15	38.9	15.08	18	38.9	G5	C9	752	P -53 424
27	9.0	8.1W	19 34.971	0.0064	06	-57 54 47.93	-0.000	06	0.14	34.950	14	46.7	47.93	14	46.7	G5	C0	619	P -58 204
28	10.1	9.8W	19 47.453	0.0006	09	-56 44 13.50	0.011	09	0.14	47.451	14	46.7	13.53	14	46.7	G0	C0	621	P -57 428
29		8.1T	19 50.662	0.0023	15	-52 21 44.76	0.025	12	0.63	50.563	19	07.3	45.97	19	02.4	K5	GC	2857	P -52 297
30	9.8	8.5W	20 11.427	-0.0009	07	-58 19 47.62	0.002	07	0.14	11.430	14	46.7	47.63	14	46.7	K0	C0	623	P -58 205
31	9.9E	9.4H	20 30.142	0.0015	12	-50 24 42.48	-0.002	12	0.63	30.074	31	03.2	42.39	28	03.2	K0	CZ	1119	P -50 341
32		7.5T	20 44.820	-0.0039	12	-59 59 11.76	-0.013	10	0.55	45.015	19	03.9	11.09	18	99.9	A2	GC	2870	P -60 197
33	9.7	9.6W	20 45.319	-0.0006	06	-57 3 0.84	-0.004	06	0.14	45.321	14	46.7	0.83	14	46.7	F5	C0	625	P -57 430
34	10.0	9.8W	20 50.218	-0.0001	11	-59 23 49.67	-0.013	11	0.14	50.218	14	46.7	49.63	14	46.7	F8	C0	627	P -59 205
35	10.0	9.9W	20 58.363	0.0032	15	-55 0 18.44	0.048	15	0.24	58.328	15	38.9	18.48	18	38.9	F5	C9	760	P -55 422
36		6.0T	21 9.060	0.0020	10	-51 19 11.34	0.067	07	0.53	8.953	18	96.4	15.33	17	90.3	A3	GC	2878	C -51 571
37	10.4	10.0W	21 15.517	0.0019	09	-57 4 19.03	-0.030	08	0.14	15.511	14	46.7	18.93	14	46.7	G0	C0	629	P -57 432
38	10.0	9.3W	21 17.798	-0.0040	13	-55 58 32.26	-0.011	13	0.15	17.811	14	46.7	32.22	14	46.7	G5	C0	630	P -56 424
39	9.9	8.4W	21 20.431	0.0033	07	-53 46 10.06	0.029	07	0.18	20.394	15	38.9	10.39	18	38.9	K5	C9	765	P -54 447
40	9.8	9.9W	21 20.632	0.0005	09	-57 24 14.63	0.032	09	0.14	20.631	14	46.7	14.73	14	46.7	A	C0	631	F -57 433
41		8.3T	21 28.813	0.0003	20	-54 45 27.42	0.019	12	0.76	28.799	22	07.5	28.35	19	00.5	K5	GC	2881	P* -55 423
42		8.6T	21 34.274	0.0017	12	-56 46 18.00	0.023	10	0.53	34.195	19	05.0	19.07	18	04.3	G5	GC	2883	P -57 434
43		8.8T	21 46.232	-0.0024	12	-56 46 31.17	0.000	10	0.53	46.341	19	05.9	31.19	19	04.4	F8	GC	2889	P -57 435
44	9.6	9.6W	21 46.355	-0.0036	12	-52 21 15.29	0.072	12	0.21	46.395	15	38.9	16.09	18	38.9	F8	C9	768	P -52 299
45		6.7T	21 49.780	0.0029	07	-57 2 24.32	0.036	05	0.26	49.653	09	11.1	25.90	09	06.7	A0	GC	2892	P -57 436
46		7.2T	21 58.784	0.0047	14	-55 50 37.56	0.081	12	0.66	58.543	21	03.3	41.69	19	98.7	F5	GC	2897	P -56 426
47		8.6T	21 59.671	0.0017	16	-54 46 11.06	-0.014	12	0.71	59.593	22	04.7	10.36	19	00.2	A2	GC	2898	P* -55 424
48	9.8	9.5W	22 6.873	-0.0022	09	-58 24 29.61	0.006	09	0.14	6.880	14	46.7	29.63	14	46.7	G0	C0	637	P -58 207
49	9.6	9.5W	22 14.562	-0.0066	15	-53 51 20.70	0.080	15	0.24	14.634	15	38.9	21.59	18	38.9	F5	C9	773	P -54 448
50	9.6	9.5W	22 18.361	0.0033	12	-51 59 41.24	0.013	12	0.21	18.325	15	38.9	41.38	18	38.9	F8	C9	774	P -52 300
51		8.1T	2 22 21.518	-0.0001	15	-53 2 11.43	0.003	12	0.69	21.522	18	02.2	11.58	19	98.7	G5	GC	2906	P -53 431
52	9.8	9.6W	22 23.257	-0.0013	13	-56 20 50.79	-0.020	13	0.15	23.261	14	46.7	50.72	14	46.7	F8	C0	638	P -56 428
53		8.0T	22 24.247	0.0001	13	-54 35 11.77	-0.062	12	0.59	24.242	18	08.2	8.83	18	02.6	K0	GC	2907	P* -54 449
54	10.4	9.6W	22 28.638	0.0031	11	-58 45 14.33	0.030	11	0.14	28.628	14	46.7	14.43	14	46.7	G5	C0	639	P -59 206
55	8.8	8.8W	22 35.643	0.0071	06	-54 17 1.94	0.049	06	0.18	35.564	15	38.9	2.49	18	38.9	F0	C9	777	P -54 450
56	10.4	9.2W	22 45.413	0.0014	07	-55 8 31.34	-0.006	07	0.18	45.398	15	38.9	31.28	18	38.9	K0	C9	778	P -55 426
57	9.8	9.0W	22 55.132	0.0001	13	-56 9 10.97	0.016	13	0.15	55.131	14	46.7	11.02	14	46.7	K0	C0	640	P -56 429
58	10.4E	9.4Z	23 3.063	0.0068	12	-50 31 52.97	0.012	12	0.63	2.745	31	03.2	53.53	28	03.2		CZ	1135	P -50 344
59	8.8	8.6W	23 19.937	-0.0025	04	-54 27 25.99	0.081	04	0.17	19.964	15	38.9	26.89	18	38.9	G0	C9	779	P -54 451
60	9.4	9.6W	23 22.241	0.0024	07	-53 10 32.38	0.001	07	0.18	22.214	15	38.9	32.39	18	38.9	A2	C9	780	P -53 433
61	10.8	10.3W	23 30.860	0.0037	09	-59 22 25.27	0.078	09	0.14	30.848	14	46.7	25.53	14	46.7	G4	C0	641	P -59 207
62	10.6	9.9W	23 36.712	0.0022	09	-55 24 18.83	0.157	09	0.19	36.688	15	38.9	20.58	18	38.9	K0	C9	781	P* -55 430
63	10.0E	10.1H	23 40.467	-0.0019	12	-51 15 27.19	0.006	12	0.81	40.553	63	04.9	27.46	57	04.9	F5	CZ	1138	P -51 309
64	9.7	9.4W	24 3.853	0.0009	09	-58 24 16.59	0.044	09	0.14	3.850	14	46.7	16.73	14	46.7	F5	C0	645	P -58 209
65		8.3T	24 11.202	-0.0030	15	-53 11 17.64	-0.018	12	0.68	11.343	18	02.8	16.73	19	99.2	G0	GC	2939	P -53 434
66	11.5E	9.9Z	24 24.168	0.0020	12	-51 37 53.46	0.017	12	0.65	24.072	31	02.3	54.25	31	02.3		CZ	1141	P -51 310
67	10.4	9.5W	24 33.626	0.0001	09	-53 30 25.53	0.005	09	0.19	33.624	15	38.9	25.59	18	38.9	K0	C9	784	P -53 435
68	9.6	8.3W	24 50.762	0.0016	06	-53 32 21.92	0.024	06	0.18	50.744	15	38.9	22.19	18	38.9	K5	C9	786	P -53 437
69		7.5T	24 54.550	-0.0046	17	-51 55 40.70	-0.060	13	0.74	54.757	22	04.7	37.75	19	00.5	F5	GC	2951	P -52 302
70	10.3	9.6W	25 4.834	-0.0012	06	-59 18 48.40	-0.020	06	0.14	4.838	14	46.7	43.33	14	46.7	K0	C0	651	P -59 209
71	9.7	9.6W	25 6.799	0.0094	06	-54 45 54.69	-0.108	06	0.18	6.694	15	38.9	53.50	18	38.9	G0	C9	790	P -55 432
72	10.6E	9.5Z	25 20.126	0.0058	12	-50 30 31.84	0.014	12	0.63	19.855	31	03.2	32.49	28	03.2		CZ	1150	P -50 346
73	10.2	9.4W	25 22.896	0.0023	09	-58 42 41.37	0.019	09	0.14	22.888	14	46.7	41.43	14	46.7	K0	C0	652	P -59 210
74	9.6	9.6W	25 33.593	0.0052	15	-51 53 57.66	0.057	15	0.24	33.535	15	38.9	58.29	18	38.9	F5	C9	791	P -52 305
75	9.4	9.3W	25 40.974	0.0013	11	-57 38 18.82	0.004	11	0.14	40.970	14	46.7	18.83	14	46.7	F2	C0	654	P -57 446
76	9.8E	9.2H	25 49.153	0.0010	12	-50 6 51.33	0.005	12	0.65	49.110	36	04.9	51.54	36	04.9	K0	CZ	1154	P -50 347
77	9.8E	9.4H	26 9.773	-0.0016	12	-50 2 28.05	-0.020	12	0.70	9.847	45	04.9	27.14	45	04.9	G0	CZ	1156	P -50 348
78	10.1	9.9W	26 16.593	0.0130	07	-58 15 9.08	0.074	07	0.14	16.550	14	46.7	9.33	14	46.7	F8	C0	660	P -58 213
79		7.1T	26 25.159	0.0078	15	-50 31 34.08	0.020	12	0.72	24.776	22	00.9	35.14	19	96.2	K0	GC	2975	C -50 722
80		7.6T	26 28.211	0.0041	13	-58 21 45.64	0.023	11	0.55	28.024	18	07.5	46.66	17	04.9	F8	GC	2977K	P* -58 214
81	9.1	8.9W	26 35.455	0.0016	09	-57 52 27.43	0.030	09	0.14	35.450	14	46.7	27.53	14	46.7	F2	C0	662	P -58 215
82	10.2	10.1W	26 35.548	-0.0029	09	-59 26 27.13	0.031	09	0.14	35.558	14	46.7	27.23	14	46.7	G0	C0	663	P -59 211
83	9.4	8.9W	26 36.729	-0.0023	07	-52 34 21.99	-0.054	07	0.18	36.755	15	38.9	21.38	18	38.9	G0	C9	796	P -52 308
84		8.9T	26 57.462	0.0106	22	-51 31 39.19	0.054	20	0.99	56.980	21	04.6	41.70	21	03.9	F2	GC	2984	C -51 593
85	10.1	9.1W	26 58.097	0.0019	06	-57 1 0.54	-0.004	06	0.14	58.091	14	46.7	0.53	14	46.7	K2	C0	664	P -57 449
86	10.4	9.2W	27 4.957	-0.0012	07	-55 50 1.26	-0.013	07	0.14	4.961	14	46.7	1.22	14	46.7	K0	C0	666	P -56 435
87	8.7	8.6W	27 8.080	0.0058	06	-56 39 33.37	0.050	06	0.14	8.061	14	46.7	33.53	14	46.7	F0	C0	667	P -56 436
88	9.8	9.6W	27 11.224	0.0008	12	-52 42 6.80	-0.037	12	0.21	11.215	15	38.9	6.38	18	38.9	F8	C9	798	P -53 442
89		8.9T	27 32.074	0.0133	24	-50 7 49.55	0.193	22	1.08	31.468	21	04.6	58.39	19	04.1	G0	GC	2997	C -50 731
90	10.4	10.0W	28 4.058	0.0055	07	-58 1 34.35	-0.006	07	0.14	4.040	14	46.7	34.33	14	46.7	G0	C0	669	P -58 216
91	9.0E	8.7H	28 9.207	0.0020	12	-50 57 15.89	-0.003	12	0.81	9.117	63	04.9	15.75	57	04.9	G0	CZ	1174	P -51 313
92	9.8E	9.2H	28 28.650	-0.0011	12	-50 8 58.68	-0.024	12	0.70	28.702	45	04.9	57.59	45	04.9	K0	CZ	1176	P -50 354
93		7.3T	28 40.362	-0.0038	16	-51 35 50.93	-0.024	12	0.75	40.546	18	01.3	49.67	19	96.8	F2	GC	3021	C -51 597
94	10.0	8.3W	28 41.458	0.0039	06	-51 55 44.15	-0.006	06	0.18	41.415	15	38.9	44.08	18	38.9	K5	C9	799	P -52 309
95		6.8T	28 46.315	0.0045	11	-58 1 51.69	0.028	09	0.52	46.092	18	04.2	53.06	17	01.1	MB	GC	3027	F -58 217
96	9.8	9.3W	28 49.057	-0.0033	07	-59 20 38.01	-0.025	07	0.14	49.068	14	46.7	37.93	14	46.7	G2	C0	672	P -59 213
97	10.1E	8.8Z	29 3.496	-0.0016	12	-51 39 34.24	-0.001	12	0.81	3.567	63	04.9	34.18	57	04.9		CZ	1182	P -51 316
98		8.3T	29 15.093	0.0022	17	-52 13 18.16	0.017	12	0.72	14.993	21	05.0	19.01	19	00.9	A3	GC	3038	P -52 310
99	9.5	8.4W	29 45.249	0.0049	06	-52 2 35.08	0.001	06	0.18	45.195	15	38.9	35.08	18	38.9	K2	C9	803	P -52 312
00		9.7T	29 54.901	-0.0017	14	-56 24 38.24	0.026	12	0.68	54.987	24	02.6	39.54	22	99.0	K	GC	3050	P -56 441

232800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	SOURCE STAR NUMBER	-50° 2H DM NUMBER
1	9.0	8.9W	2 29 58.436	-0.0007	06	-59 22 11.06	0.021	06	0.14	58.438	14	46.7	11.13	14	46.7	F8		CO	675	P -59 214
2	9.6	8.5W	30 2.497	0.0010	06	-56 49 17.71	0.004	06	0.14	2.494	14	46.7	17.72	14	46.7	K0		CO	676	P -57 454
3	9.1	9.4W	30 3.615	0.0009	14	-51 52 53.94	0.043	14	0.23	3.605	15	38.9	54.41	18	38.9	A0		C9	804	P -52 313
4	8.4	8.1W	30 11.645	0.0071	07	-59 5 28.89	0.039	07	0.14	11.821	14	46.7	29.02	14	46.7	F8		CO	677	P -59 215
5	9.5E	9.9H	30 14.765	0.0060	12	-51 14 46.75	0.003	12	0.81	14.496	63	04.9	46.89	57	04.9	G5		CZ	1190	P -51 317
6	9.0	8.2W	30 33.432	0.0033	06	-59 20 21.53	-0.034	06	0.14	33.421	14	46.7	21.42	14	46.7	K0		CO	678	P -59 216
7	9.8	9.7W	30 41.661	0.0015	07	-51 40 14.02	0.009	07	0.18	41.645	15	38.9	14.12	18	38.9	F4	O	C9	805	P -52 314
8	10.1E	9.5Z	30 47.217	-0.0031	12	-50 38 34.08	-0.076	12	0.63	47.364	31	03.2	30.53	28	03.2			CZ	1194	P -50 355
9	10.1E	9.0Z	30 49.332	-0.0008	12	-51 30 24.77	-0.020	12	0.81	49.369	63	04.9	23.86	57	04.9			CZ	1195	P -51 319
10	9.7	9.4W	30 51.347	0.0020	12	-51 47 39.24	0.124	12	0.21	51.325	15	38.9	40.62	18	38.9	G0	O	C9	806	P -52 315
11		8.8T	31 13.063	-0.0020	11	-50 0 20.93	0.016	09	0.44	13.145	15	09.8	21.61	15	07.1	F2		GC	3069	C -50 748
12	10.1	9.8W	31 28.668	-0.0014	09	-58 6 39.38	0.013	09	0.14	28.673	14	46.7	39.42	14	46.7	G1	O	CO	680	P -58 219
13		8.4T	31 32.655	-0.0065	16	-52 9 34.87	0.158	12	0.70	32.949	21	04.5	42.70	19	00.6	K0		GC	3079	P -52 317
14	9.5	9.2W	31 43.832	0.0025	13	-56 32 10.71	0.003	13	0.15	43.823	14	46.7	10.72	14	46.7	F5		CO	681	P -56 443
15	9.4	9.5W	31 45.598	0.0044	06	-57 14 42.20	0.008	06	0.14	45.584	14	46.7	42.22	14	46.7	A2		CO	682	P -57 455
16	9.6	9.2W	32 1.546	0.0055	12	-51 54 8.66	0.050	12	0.21	1.485	15	38.9	9.21	18	38.9	G0		C9	811	P -52 319
17	9.5	9.1W	32 9.026	0.0160	13	-55 9 10.55	0.101	13	0.22	8.849	15	38.9	11.67	18	38.9	G5		C9	812	P -55 439
18		6.3T	32 12.391	-0.0007	07	-51 18 42.80	-0.026	06	0.29	12.420	10	09.0	41.62	09	04.7	F5		GC	3090	C -51 611
19	10.0E	9.0Z	32 17.709	-0.0050	12	-51 20 38.00	-0.002	12	0.81	17.934	63	04.9	37.90	57	04.9			CZ	1210	P -51 322
20	9.8	9.3W	32 20.294	0.0039	07	-58 54 21.35	0.022	07	0.14	20.281	14	46.7	21.42	14	46.7	G2	O	CO	684	P -59 217
21	9.9	8.8W	32 41.089	0.0031	07	-52 0 51.22	0.054	07	0.18	41.055	15	38.9	51.81	18	38.9	K2		C9	813	P -52 320
22	11.1E	9.7Z	32 59.910	-0.0064	12	-50 13 19.39	-0.082	12	0.64	+ 0.215	31	02.2	15.48	28	02.2			CZ	1213	P -50 358
23	10.0	9.7W	33 5.738	0.0054	15	-55 45 46.63	-0.006	15	0.24	5.678	15	38.9	46.57	18	38.9	F5	O	C9	814	P -56 446
24	10.9	10.1W	33 27.304	-0.0017	09	-59 35 5.94	-0.006	09	0.14	27.310	14	46.7	5.92	14	46.7	G8	O	CO	688	P -59 219
25		7.1T	33 48.978	0.0016	15	-51 4 13.60	-0.014	12	0.72	48.900	22	01.4	12.84	19	96.2	G5		GC	3131	C*-51 616
26	9.6	9.3W	33 53.582	0.0068	07	-59 54 7.16	0.020	07	0.14	53.560	14	46.7	7.22	14	46.7	F5		CO	690	P -60 204
27	9.6	8.9W	34 0.447	0.0047	07	-53 5 36.15	-0.003	07	0.18	0.395	15	38.9	36.11	18	38.9	G5		C9	817	P -53 451
28	9.1	8.2W	34 23.593	0.0071	07	-53 15 45.88	-0.006	07	0.18	23.515	15	38.9	45.81	18	38.9	K0		C9	818	P -53 452
29		8.9T	34 41.379	0.0036	15	-55 44 2.28	-0.043	12	0.67	41.199	21	04.6	0.17	19	00.5	F0		GC	3149	P -56 448
30	10.5	9.6W	34 41.954	0.0040	09	-59 15 4.85	-0.039	09	0.14	41.941	14	46.7	4.72	14	46.7	G8	O	CO	691	P -59 220
31	11.0E	9.9Z	35 4.439	-0.0025	12	-51 42 17.21	0.037	12	0.65	4.560	31	02.3	18.96	31	02.3			CZ	1231	P -52 321
32	9.9	9.4W	35 19.017	-0.0010	06	-59 37 7.67	0.016	06	0.14	19.020	14	46.7	7.72	14	46.7	G5		CO	693	P -59 222
33	10.1	9.5W	35 30.402	0.0210	09	-58 8 39.55	0.053	09	0.14	30.333	14	46.7	39.72	14	46.7	G8	O	CO	694	P -58 221
34	9.8I		35 31.026	0.0037	09	-52 46 25.19	0.020	09	0.19	30.985	15	38.9	25.42	18	38.9	K2	O	C9	822	P -53 455
35		5.3T	35 45.293	0.0093	06	-52 45 31.96	-0.013	05	0.25	44.891	09	06.9	31.37	09	03.8	A5		GC	3166	P*-53 457
36	9.7	9.1W	35 47.333	0.0077	07	-55 42 8.19	-0.003	07	0.18	47.248	15	38.9	8.17	18	38.9	G5		C9	825	P -56 449
37	9.4	9.1W	35 49.834	0.0017	07	-53 5 26.31	0.010	07	0.18	49.815	15	38.9	26.42	18	38.9	G0		C9	826	P -53 458
38	9.7	9.6W	36 15.148	0.0013	07	-56 47 56.67	-0.015	07	0.14	15.144	14	46.7	56.62	14	46.7	F8		CO	696	P -57 460
39	9.9	10.2W	36 25.518	0.0003	14	-53 12 9.52	0.045	14	0.23	25.515	15	38.9	10.01	18	38.9	A2		C9	829	P -53 460
40	9.3	8.9W	36 54.484	-0.0021	07	-59 13 50.46	-0.012	07	0.14	54.491	14	46.7	50.42	14	46.7	G0		CO	697	P -59 223
41		8.1T	37 6.442	0.0066	13	-53 9 59.82	0.040	11	0.65	6.122	21	01.6	+ 1.87	18	98.9	F8P		GC	3196K	P -53 462
42		9.0T	37 7.089	0.0035	17	-53 10 6.03	0.039	13	0.78	6.921	22	02.4	8.05	21	98.4	G5		GC	3198K	P -53 462
43	9.5	9.4W	37 12.728	-0.0016	06	-57 14 15.70	-0.025	06	0.14	12.734	14	46.7	15.62	14	46.7	A5		CO	699	P -57 461
44		8.6T	37 22.493	0.0032	14	-55 3 25.81	-0.014	12	0.65	22.357	21	04.2	25.19	19	00.8			GC	3206K	P -55 444
45		7.5T	37 23.651	0.0057	12	-55 3 7.14	-0.027	10	0.55	23.371	18	08.1	5.83	18	00.7	F5		GC	3207K	P -55 445
46	9.1	8.0W	37 27.932	0.0016	07	-53 21 48.40	0.019	07	0.18	27.915	15	38.9	48.61	18	38.9	K0		C9	837	P -53 464
47		6.9T	37 29.848	-0.0062	12	-53 9 0.03	0.062	11	0.56	30.120	18	06.0	3.16	18	99.6	A5		GC	3209	P -53 465
48	9.5	9.1W	37 50.792	-0.0023	07	-59 35 41.00	0.007	07	0.14	50.800	14	46.7	41.02	14	46.7	G5		CO	701	P -59 224
49	9.9E	8.9Z	37 52.823	-0.0006	12	-50 13 18.52	-0.038	12	0.62	52.846	28	02.9	16.73	26	02.9			CZ	1262	P -50 364
50	9.3	8.8W	38 4.175	-0.0036	07	-54 37 50.81	-0.007	07	0.18	4.214	15	38.9	50.73	18	38.9	G5		C9	840	P -54 464
51		7.4Q	2 38 19.087	0.0051	13	-59 46 54.34	-0.008	10	0.56	18.838	18	06.1	53.97	17	01.3	K0		GC	3226K	P -60 205
52		7.2T	38 23.919	0.0047	12	-59 46 57.42	0.016	11	0.56	23.685	18	06.0	58.24	18	00.3	A5		GC	3229K	P -60 206
53	10.6E	9.5Z	38 25.172	0.0016	12	-50 31 9.91	-0.086	12	0.64	25.094	31	02.2	5.81	28	02.2			CZ	1264	P -50 365
54	9.3	7.7W	38 35.902	-0.0003	06	-57 52 53.16	-0.042	06	0.14	35.903	14	46.7	53.02	14	46.7	MB		CO	704	P -58 224
55	8.9	8.6W	38 51.466	-0.0008	07	-53 1 20.16	-0.013	07	0.18	51.475	15	38.9	20.02	18	38.9	F8		C9	843	P -53 467
56	8.3	7.9W	38 52.853	0.0026	06	-52 0 2.85	-0.093	06	0.18	52.825	15	38.9	1.81	18	38.9	F5		C9	844	P -52 328
57		5.3H	39 6.229	0.0046	04	-54 45 48.15	0.006	04	0.16	6.076	10	16.8	48.33	09	20.3	F2		F4	1076	P -55 446
58	8.2	7.8W	39 19.423	-0.0030	06	-58 20 57.60	-0.085	06	0.14	19.433	14	46.7	57.32	14	46.7	F8		CO	705	P -58 225
59		8.6T	39 25.444	0.0376	22	-51 39 20.28	0.126	22	1.01	23.784	21	05.9	25.86	21	05.9	K0		GC	3252	C -51 634
60	9.0	7.7W	39 50.503	0.0017	06	-53 31 59.15	0.016	06	0.18	50.485	15	38.9	59.32	18	38.9	K2		C9	847	P -53 468
61	9.0	8.8W	39 52.928	0.0042	06	-56 11 21.50	0.032	06	0.14	52.914	14	46.7	21.61	14	46.7	F5		CO	707	P -56 452
62	9.9	9.1W	40 2.516	-0.0021	07	-55 5 0.96	0.010	07	0.18	2.539	15	38.9	1.07	18	38.9	G5	O	C9	849	P -55 451
63		7.0T	40 7.523	0.0072	13	-56 30 33.63	-0.002	10	0.59	7.147	21	04.7	33.55	18	98.2	K0		GC	3264	P -56 453
64		5.4T	40 51.285	0.0349	09	-51 0 55.11	-0.229	06	0.33	49.976	14	12.5	+ 5.34	14	05.3	F5		GC	3279	C*-51 641
65		8.0T	41 3.351	0.0015	11	-56 51 7.82	-0.001	09	0.49	3.279	17	07.8	7.79	15	03.0	K0		GC	3286	P -57 464
66	10.5E	9.4Z	41 7.491	-0.0006	12	-50 43 25.64	0.018	12	0.64	7.518	31	02.2	26.51	28	02.2			CZ	1288	P -51 331
67	9.4	8.1W	41 9.955	0.0009	07	-53 11 3.19	-0.025	07	0.18	9.945	15	38.9	2.92	18	38.9	K2		C9	850	P -53 470
68	9.6	8.6W	41 21.013	0.0062	14	-51 53 7.07	-0.086	14	0.23	20.945	15	38.9	6.11	18	38.9	K5		C9	851	P -52 330
69	9.7	9.6W	42 11.717	-0.0034	15	-53 9 24.84	-0.002	15	0.24	11.755	15	38.9	24.82	18	38.9	F0	O	C9	856	P -53 473
70	9.5	9.0W	42 20.063	0.0094	06	-55 0 10.94	0.092	06	0.18	19.958	15	38.9	11.97	18	38.9	G5		C9	857	P -55 454
71		6.3T	42 34.345	-0.0016	10	-52 46 51.51	-0.010	08	0.53	34.428	19	97.6	50.94	18	91.6	A2		GC	3314	P -53 475
72			42 42.122	-0.0011	09	-54 30 41.59	0.004	09	0.19	42.134	15	38.9	41.63	18	38.9	MC		C9	861V	P*-54 471
73	10.2E	9.4Z	42 45.539	0.0011	12	-51 45 46.96	0.026	12	0.65	45.489	31	02.3	48.19	31	02.3			CZ	1297	P -52 332
74	8.0	8.0W	42 53.398	0.0003	07	-52 59 52.56	-0.004	07	0.18	53.395	15	38.9	52.51	18	38.9	A5		C9	863	P -53 477
75	9.9	9.7W	43 13.132	0.0057	09	-57 42 3.65	-0.008	09	0.14	13.112	14	46.5	3.62	14	46.5	F8		CO	712	P -58 226
76	10.2	10.1W	43 25.393	-0.0003	11	-58 10 10.86	0.017	11	0.15	25.392	14	46.5	10.92	14	46.5	F4	O	CO	715	P -58 227
77	10.4	9.9W	43 30.553	-0.0023	09	-58 51 25.17	-0.042	09	0.14	30.561	14	46.5	25.02	14	46.5	G4	O	CO	716	P -59 227
78	9.2	9.0W	43 38.418	0.0030	07	-52 55 25.76	-0.013	07	0.18	38.385	15	38.9	25.61	18	38.9	G0		C9	866	P -53 478
79	8.7E	8.2H	43 50.237	0.0036	12	-50 20 26.02	0.014	12	0.63	50.208	28	02.2	26.70	26	02.2	F0		CZ	1314	P -50 371
80	10.0	9.0W	43 56.300	-0.0032	13	-58 38 32.52	-0.001	13	0.15	56.311	14	46.5	32.52	14	46.5	K0	O	CO	721	P -58 230
81	9.3	8.9W	44 1.089	-0.0039	09	-57 56 4.68	-0.019	09	0.14	1.102	14	46.5	4.62	14	46.5	G0		CO	722	P -58 231
82	10.2	9.1W	44 3.163	0.0014	08	-55 45 12.45	0.001	08	0.19	3.148	15	38.9	12.47	18	38.9	K0	O	C9	870	P -56 457
83	9.8	9.1W	44 7.676	0.0072	07	-59 6 5.86	0.073	07	0.14	7.651	14	46.5	6.12	14	46.5	G5		CO	723	P -59 229
84	10.4	10.0W	44 16.954	0.0004	12	-57 54 52.36	0.016	12	0.15	16.952	14	46.5	52.42	14	46.5	F8	O	CO	726	P -58 232
85		8.7T	44 17.887	-0.0012	14	-56 28 32.59	0.004	12	0.60	17.942	18	08.7	32.80	18	02.9	A0		GC	3343	P -56 458
86	9.9	9.1W	44 22.864	0.0081	09	-52 38 33.26	0.041	09	0.19	22.775	15	38.9	33.72	18	38.9	K0	O	C9	873	P -52 335
87	9.9	8.6W	44 34.503	0.0011	09	-59 36 12.35	-0.008	09	0.14	34.500	14	46.5	12.32	14	46.5	K5		CO	728	P -59 232
88	10.2	9.6W	45 0.623	0.0032	07	-55 39 45.37	-0.100	07	0.18	0.588	15	38.9	44.27	18	38.9	G5	O	C9	877	P -55 462
89	10.3	9.1W	45 20.401	0.0015	09	-53 43 28.54	-0.002	09	0.19	20.384	15	38.9	28.52	18	38.9	K2	O	C9	878	P -54 473
90	10.3	9.4W	45 20.411	-0.0034	07	-58 26 11.96	-0.039	07	0.14	20.422	14	46.5	11.82	14	46.5	G5	O	CO	732	P -58 234
91	10.0E	10.1H	45 42.394	0.0051	12	-51 39 41.82	0.058	12	0.81	42.167	63	04.9	44.42	57	04.9	F8		CZ	1323	P -51 333
92	8.6	8.2W	45 43.003	0.0144	06	-57 38 49.01	0.088	06	0.14	42.952	14	46.5	49.32	14	46.5	G0		CO	733	P -57 473
93	10.7	9.3W	46 3.584	0.0060	07	-58 29 13.84	-0.007	07	0.14	3.562	14	46.5	13.82	14	46.5	K3	O	CO	734	P -58 235
94	10.6	9.7W	46 7.363	0.0026	09	-54 10 26.25	0.016	09	0.19	7.335	15	38.9	26.42	18	38.9	G5	O	C9	881	P -54 475
95	9.8	9.6W	46 18.717	0.0016	07	-55 28 28.76	0.028	07	0.18	18.699	15	38.9	29.07	18	38.9	G0	O	C9	883	P -55 465
96	9.8	9.4W	46 21.397	-0.0061	15	-53 18 9.02	-0.036	15	0.24	21.465	15	38.9	8.62	18	38.9	F5		C9	884	P -53 480
97	9.5	9.2W	46 24.254	0.0008	14	-52 1 23.11	0.037	14	0.23	24.245	15	38.9	23.52	18	38.9	F8		C9	885	P -52 339
98	10.8E	9.7Z	46 28.114	0.0058	12	-50 29 34.02	0.047	12	0.64	27.837	31	02.2	36.27	28	02.2			CZ	1330	P -50 376
99	9.4E	9.2W	46 47.796	0.0019	12	-51 14 54.01	0.003	12	0.65	47.703	31	02.3	54.16	31	02.3	F0		CZ	1333	P -51 336
00	8.7	8.6W	46 51.808	0.0073	06	-57 52 11.22	0.058	06	0.14	51.782	14	46.5	11.42	14	46.5	F2		CO	736	P -58 236

232900

-50° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.0	9.6W	2 46 53.428	0.0021	09	-54 36 8.18	0.005	09	0.19	53.405	15	38.9	8.23	18	38.9	G3 O	C9	886	P -54 476
2	8.9	8.6W	46 53.952	-0.0002	06	-51 46 30.83	0.017	06	0.18	53.955	15	38.9	31.01	18	38.9	F5	C9	887	P -52 341
3	9.8	9.5W	47 13.975	0.0097	07	-58 51 10.09	0.008	07	0.14	13.941	14	46.5	10.12	14	46.5	G0 O	C0	737	P -59 234
4	9.1	9.0W	47 22.235	-0.0009	07	-52 22 1.18	0.012	07	0.18	22.245	15	38.9	1.32	18	38.9	F2	C9	888	P -52 343
5	9.6	9.5W	47 39.611	0.0029	06	-59 0 37.58	0.036	06	0.14	39.601	14	46.5	37.72	14	46.5	F0	C0	738	P -59 235
6	9.9	8.3W	47 47.553	0.0003	06	-58 1 37.10	0.007	06	0.14	47.552	14	46.5	37.12	14	46.5	MA	C0	739	P -58 238
7	10.1	9.7W	48 5.014	0.0012	06	-59 50 51.84	-0.004	06	0.14	5.010	14	46.5	51.82	14	46.5	G3 O	C0	741	P -60 220
8	9.2	7.8W	48 6.598	-0.0017	06	-52 57 51.19	0.011	06	0.18	6.615	15	38.9	51.31	18	38.9	MA	C9	890	P -53 482
9		8.5T	48 26.251	0.0019	14	-55 20 27.51	-0.066	12	0.67	26.155	21	02.9	24.12	19	98.4	K0	GC	3420	P -55 467
10	10.9	9.7W	49 7.174	0.0005	09	-57 56 2.77	-0.015	09	0.14	7.172	14	46.5	2.72	14	46.5	K2 O	C0	743	P -58 240
11	10.0	9.2W	49 11.333	-0.0001	07	-53 11 58.90	-0.053	07	0.18	11.335	15	38.9	58.31	18	38.9	K0 O	C9	896	P -53 483
12		8.9T	49 26.653	0.0013	18	-50 30 40.22	0.030	14	0.81	26.592	19	03.3	41.71	19	00.3	F5	GC	3441	C -50 843
13	10.5E	9.0Z	49 31.442	-0.0003	12	-51 32 12.29	-0.009	12	0.63	31.458	31	03.2	11.86	28	03.2		CZ	1356	P -51 340
14	8.1	8.0W	49 34.496	0.0028	06	-53 14 22.73	0.008	06	0.18	34.465	15	38.9	22.81	18	38.9	A3	C9	898	P -53 487
15	8.0	8.3W	49 43.294	-0.0036	06	-54 38 50.86	-0.011	06	0.18	43.334	15	38.9	50.73	18	38.9	A0	C9	902	P -54 485
16		7.4T	49 44.414	0.0035	09	-57 23 51.48	-0.003	08	0.47	44.224	17	97.0	51.33	15	94.9	K5	GC	3442	P -57 481
17	10.3	10.1W	49 52.839	-0.0011	09	-58 9 35.48	0.012	09	0.14	52.842	14	46.5	35.52	14	46.5	F7 O	C0	746	P -58 241
18		8.4T	49 53.104	0.0019	14	-55 16 47.10	0.029	12	0.67	53.008	21	03.0	48.62	19	98.4	G5	GC	3444	P -55 470
19	8.7	8.3W	50 8.497	-0.0007	07	-52 45 44.00	-0.089	07	0.18	8.505	15	38.9	43.01	18	38.9	G5	C9	905	P -53 489
20	9.7E	9.4H	50 9.911	0.0009	12	-51 41 24.41	-0.150	12	0.81	9.873	63	05.0	17.65	57	05.0	G0	CZ	1359	P -51 341
21		7.1T	50 18.172	0.0031	14	-50 4 26.77	-0.053	12	0.69	18.021	17	00.4	23.95	18	97.1	G5	GC	3451	C -50 848
22		7.7T	50 22.058	0.0017	16	-50 25 0.22	-0.006	13	0.76	21.979	22	02.4	59.90	21	99.0	K0	GC	3453	C -50 849
23		8.2T	50 48.409	0.0111	15	-57 11 39.90	0.144	12	0.62	47.897	19	06.9	46.53	18	04.1	G0	GC	3464	P -57 482
24	9.8	9.6W	50 51.716	0.0065	06	-56 56 6.77	0.015	06	0.14	51.693	14	46.5	6.82	14	46.5	G0 O	C0	751	P -57 483
25	8.4	8.2W	50 55.775	-0.0108	07	-53 5 23.01	-0.144	07	0.18	55.895	15	38.9	21.42	18	38.9	F8	C9	907	P -53 491
26	9.4	9.1W	51 0.609	0.0022	07	-53 17 15.39	-0.016	07	0.18	0.585	15	38.9	15.22	18	38.9	G5	C9	908	P -53 492
27	10.7	9.3W	51 6.569	-0.0006	09	-59 4 42.02	-0.058	09	0.14	6.571	14	46.5	41.82	14	46.5	K5 O	C0	752	P -59 239
28	10.1	10.1W	51 15.570	0.0027	07	-58 41 41.19	0.009	07	0.14	15.561	14	46.5	41.22	14	46.5	A3 O	C0	754	P -59 240
29	10.5E	9.4Z	51 39.805	-0.0013	12	-50 23 17.46	-0.003	12	0.71	39.865	45	03.5	17.33	45	03.5		CZ	1370	P -50 390
30		7.9T	52 4.448	-0.0083	17	-51 42 38.65	-0.016	12	0.71	4.820	21	05.0	37.87	19	00.0	F2	GC	3491	P -52 346
31	9.7	9.4W	52 15.665	0.0006	06	-57 33 27.82	0.029	06	0.14	15.663	14	46.5	27.92	14	46.5	F2	C0	757	P -57 484
32	9.6	9.0W	52 15.674	0.0000	07	-53 56 2.45	0.061	07	0.18	15.674	15	38.9	3.12	18	38.9	G5	C9	915	P -54 488
33		6.1T	52 29.188	-0.0012	16	-51 4 28.41	-0.026	12	0.75	29.247	17	00.7	27.02	17	96.9	K0	GC	3501	C -51 683
34	8.7E	7.5Z	52 32.332	0.0011	12	-51 2 55.23	0.007	12	0.81	32.280	63	05.0	55.56	57	05.0		CZ	1380	P -51 346
35		8.0T	52 32.359	0.0017	17	-51 3 5.40	0.020	13	0.77	32.279	18	02.8	6.44	21	97.8	K0	GC	3508	C -51 684
36	10.0	9.2W	52 43.026	0.0035	07	-56 59 56.26	-0.068	07	0.14	43.013	14	46.5	56.02	14	46.5	K2 O	C0	758	P -57 486
37		6.7T	52 53.973	0.0061	13	-56 4 56.79	0.058	10	0.61	53.655	19	02.6	59.82	18	98.1	F0	GC	3514	P -56 474
38	10.2	8.6W	53 17.989	0.0004	07	-52 9 20.51	-0.018	07	0.18	17.985	15	38.9	20.31	18	38.9	M0 O	C9	918	P -52 347
39		8.2T	53 51.181	0.0051	13	-51 27 43.87	-0.012	12	0.61	50.949	15	04.6	43.27	18	00.4	F0	GC	3535	C -51 686
40	8.3	8.4W	54 28.926	0.0016	06	-59 56 11.75	0.021	06	0.14	28.920	14	46.5	11.82	14	46.5	A2	C0	763	P -60 229
41	10.3E	9.3H	54 35.487	0.0031	12	-50 41 39.52	0.014	12	0.64	35.337	31	02.2	40.20	28	02.2	F5	CZ	1394	P -50 395
42	11.0	9.6W	54 49.806	0.0010	09	-52 29 12.36	-0.013	09	0.19	49.795	15	38.9	12.21	18	38.9	K5 O	C9	920	P -52 348
43	9.5	9.3W	55 2.758	0.0048	07	-59 0 30.14	-0.006	07	0.14	2.741	14	46.5	30.12	14	46.5	A5	C0	764	P -59 243
44	9.8	9.6W	55 3.367	0.0011	06	-54 4 7.59	0.030	06	0.18	3.354	15	38.9	7.92	18	38.9	F5	C9	922	P -54 491
45	10.4	9.4W	55 19.509	0.0023	07	-58 33 25.18	0.012	07	0.14	19.501	14	46.5	25.22	14	46.5	G5 O	C0	766	P -58 246
46	10.7	9.5W	55 38.873	-0.0032	09	-56 25 1.92	0.055	09	0.14	38.884	14	46.5	2.11	14	46.5		C0	767	P -56 478
47	9.7	9.0W	55 39.175	-0.0027	06	-56 23 34.32	0.024	06	0.14	39.184	14	46.5	34.41	14	46.5	K2	C0	768	P -56 477
48	10.1	9.2W	55 39.517	-0.0007	09	-53 35 43.35	-0.011	09	0.19	39.524	15	38.9	43.22	18	38.9	G8 O	C9	926	P -53 501
49	10.3E	9.5Z	55 40.270	0.0006	12	-50 20 20.19	-0.175	12	0.66	40.247	36	04.0	12.15	36	04.0		CZ	1399	P -50 399
50		6.8T	56 9.581	0.0053	07	-55 12 47.94	0.056	05	0.28	9.342	12	11.2	50.50	12	04.6	F0	GC	3579	P -55 476
51	8.7E	8.0H	2 56 12.022	0.0026	12	-50 21 9.32	0.009	12	0.63	11.900	31	03.2	9.75	28	03.2	F0	CZ	1405	P -50 402
52	9.5	8.4W	56 20.163	0.0004	07	-59 6 15.18	0.013	07	0.14	20.161	14	46.7	15.22	14	46.7	K0	C0	771	P -59 247
53	9.3	9.0W	56 34.328	0.0016	09	-57 45 23.03	-0.034	09	0.14	34.323	14	46.7	22.92	14	46.7	F2	C0	772	P -58 248
54	9.5	8.9W	56 51.468	0.0035	07	-55 25 59.63	0.049	07	0.18	51.429	15	38.9	+ 0.17	18	38.9	G5 O	C9	929	P -55 478
55		8.4T	57 17.115	0.0089	15	-52 17 40.09	0.000	12	0.67	16.698	18	03.3	40.11	19	00.9	G5	GC	3599	P -52 349
56		7.7T	57 27.495	0.0016	14	-53 53 16.05	0.031	11	0.66	27.420	21	02.7	17.67	19	98.1	K0	GC	3604	P -54 494
57	8.7	8.8W	57 38.029	-0.0012	07	-57 58 7.77	0.044	07	0.14	38.033	14	46.7	7.92	14	46.7	A0	C0	774	P -58 250
58		6.9T	57 43.310	0.0039	13	-55 45 47.74	-0.045	10	0.63	43.097	21	01.7	45.33	18	95.9	K0	GC	3609	P -56 480
59	9.8	8.2W	57 48.567	0.0008	07	-56 22 12.66	-0.075	07	0.14	48.564	14	46.7	12.41	14	46.7	MA	C0	775	P -56 481
60	9.8	9.3W	57 57.022	-0.0083	15	-54 27 8.85	0.025	15	0.24	57.114	15	38.9	9.12	18	38.9	K0	C9	936	P -54 496
61		6.8T	58 5.583	-0.0000	08	-54 6 23.75	0.022	05	0.33	5.583	14	07.5	24.82	12	01.5	K0	GC	3617	P -54 497
62	9.3	9.0W	58 33.262	0.0022	07	-56 10 23.40	0.003	07	0.14	33.254	14	46.7	23.41	14	46.7	G0	C0	776	P -56 482
63	9.1	8.7W	58 43.375	-0.0024	06	-58 26 12.96	-0.043	06	0.14	43.383	14	46.7	12.82	14	46.7	G0	C0	777	P -58 251
64	10.0	9.9W	58 52.925	-0.0023	11	-57 50 13.20	0.007	11	0.14	52.933	14	46.7	13.22	14	46.7	F	C0	778	P -58 252
65	9.8	9.2W	58 54.794	-0.0057	06	-58 24 18.77	-0.046	06	0.14	54.813	14	46.7	18.62	14	46.7	G2 O	C0	779	P -58 253
66	10.6E	9.5Z	59 1.253	0.0009	12	-50 31 33.58	0.036	12	0.63	1.213	31	03.2	35.28	28	03.2		CZ	1427	P -50 405
67	11.0E	9.5Z	59 7.049	-0.0024	12	-51 6 25.94	-0.091	12	0.65	7.161	31	02.4	21.62	31	02.4		CZ	1429	P -51 353
68	10.4	9.5W	3 0 45.843	0.0031	07	-57 33 27.74	-0.007	07	0.14	45.833	14	46.7	27.72	14	46.7	G8 O	C0	782	P -57 490
69	10.4	9.6W	1 4.745	0.0009	09	-54 31 3.45	0.008	09	0.19	4.735	15	38.9	3.53	18	38.9	G5 O	C9	944	P -54 504
70	8.8E	8.1H	1 5.341	0.0089	12	-50 3 38.33	0.015	12	0.63	4.924	31	03.2	39.04	28	03.2	F5	CZ	1442	P -50 407
71		8.2T	1 9.760	0.0088	16	-55 9 48.55	0.018	12	0.70	9.321	21	04.0	49.47	19	99.9	K5	GC	3665	P -55 482
72	9.9	9.2W	1 12.688	-0.0015	07	-57 34 18.06	-0.042	07	0.14	12.693	14	46.7	17.92	14	46.7	G5	C0	784	P -57 491
73	10.3	10.0W	1 27.228	0.0045	07	-58 2 42.21	-0.026	07	0.14	27.213	14	46.7	42.12	14	46.7	F8 O	C0	785	P -58 254
74	9.2	9.0W	1 47.801	0.0101	09	-59 58 57.47	0.085	09	0.14	47.771	14	47.0	57.72	14	47.0	F8	C0	630	P -60 235
75	9.8	8.7W	1 59.038	0.0012	07	-56 16 22.43	-0.007	07	0.14	59.034	14	46.7	22.41	14	46.7	K5	C0	788	P -56 488
76	9.9	9.0W	2 9.729	-0.0011	13	-57 43 11.02	0.000	13	0.15	9.733	14	46.7	11.02	14	46.7	K0	C0	789	P -58 255
77	7.0I		2 14.490	0.0078	15	-59 7 38.16	-0.005	12	0.66	14.112	21	05.3	37.90	19	00.5	MB	GC	3690X	P#-59 250
78		8.5T	2 15.964	0.0083	11	-51 36 17.17	0.071	09	0.57	15.628	21	97.0	21.27	19	92.6	F8	GC	3691	C -51 699
79	10.1	9.1W	2 16.246	-0.0008	05	-52 26 34.22	-0.009	05	0.18	16.255	15	38.9	34.12	18	38.9	K0	C9	947	P -52 356
80			2 16.307	0.0018	07	-59 25 57.96	-0.010	07	0.14	16.301	14	46.7	57.92	14	46.7	MA	C0	791V	P#-59 251
81		5.2H	2 25.945	-0.0093	03	-59 55 52.17	-0.061	03	0.12	26.254	07	16.7	49.97	06	14.2	F0	F4	110	P -60 236
82	10.3E	9.4Z	2 41.111	-0.0040	12	-51 16 59.01	-0.018	12	0.81	41.292	63	04.9	58.18	57	04.9		CZ	1455	P -51 360
83		7.5T	2 59.088	0.0089	09	-51 30 59.06	0.093	06	0.50	58.613	15	96.8	+ 4.64	17	90.3	G0	GC	3702	C -51 704
84		8.9T	3 2.865	0.0077	13	-51 30 45.82	0.092	12	0.70	2.481	22	00.3	50.74	19	96.8	G0	GC	3704	C -51 706
85	10.4E	9.4Z	3 7.756	-0.0099	12	-50 56 30.01	-0.012	12	0.81	8.204	63	04.9	29.46	57	04.9		CZ	1460	P -51 364
86	9.3	9.2W	3 13.184	-0.0020	13	-58 35 52.10	0.037	13	0.15	13.191	14	46.7	52.22	14	46.7	A5	C0	797	P -58 257
87		7.6T	3 16.536	-0.0003	16	-53 1 22.47	0.023	12	0.70	16.549	19	03.7	23.63	19	00.0	K0	GC	3707	P -53 514
88	9.2	8.9W	3 19.471	0.0024	07	-52 45 9.48	0.048	07	0.18	19.445	15	38.9	10.01	18	38.9	F8	C9	951	P -53 515
89		8.1T	3 36.380	-0.0013	16	-57 21 34.25	-0.045	12	0.68	36.446	21	05.3	32.07	19	01.0	G0	GC	3711	P -57 496
90	8.7	8.4W	3 38.641	-0.0005	09	-57 35 59.26	-0.011	09	0.14	38.643	14	46.7	59.22	14	46.7	F5	C0	799	P -57 497
91	10.6	9.0W	3 54.337	0.0029	09	-53 2 17.68	-0.006	09	0.19	54.305	15	38.9	17.61	18	38.9	K5 O	C9	952	P -53 518
92	10.2	9.7W	4 4.170	0.0041	09	-53 2 49.22	0.072	09	0.19	4.125	15	38.9	50.01	18	38.9	G0	C9	954	P -53 519
93	10.4	9.4W	4 7.061	-0.0012	12	-52 20 56.34	-0.011	12	0.21	7.075	15	38.9	56.21	18	38.9	K0 O	C9	955	P -52 358
94	9.6E	8.7H	4 28.496	-0.0022	12	-50 3 10.00	0.012	12	0.63	28.600	31	03.2	10.54	28	03.2	F2	CZ	1470	P -50 411
95	8.9	8.9W	4 53.606	0.0010	06	-52 46 29.44	-0.002	06	0.18	53.595	15	38.9	29.41	18	38.9	A2	C9	958	P -53 522
96	9.5E	8.7H	4 58.191	0.0030	12	-50 43 47.96	0.025	12	0.62	58.051	28	03.2	49.11	26	03.2	A2	CZ	1473	P -51 369
97	10.1	9.8W	5 23.465	0.0018	12	-52 14 6.12	0.036	12	0.21	23.445	15	38.9	6.51	18	38.9	F8 O	C9	960	P -52 361
98	9.5E	8.4H	5 47.351	0.0036	12	-51 39 2.24	0.019	12	0.65	47.180	31	02.3	3.17	31	02.3	MA	CZ	1479	P -51 371
99		8.3T	6 2.809	0.0040	15	-57 0 53.50	0.006	12	0.62	2.621	18	07.3	53.80	18	03.7	K0	GC	3753	P -57 499
00	10.1	9.6W	6 10.482	-0.0002	12	-52 35 35.03	0.026	12	0.21	10.485	15	38.9	35.31	18	38.9	G1 O	C9	961	P -52 363

233000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 3H DM NUMBER
1	9.3	9.0W	3 6 34.761	0.0090	07	-58 58 48.46	0.018	07	0.14	34.731	14	46.7	48.52	14	46.7	F5		C0	804	P -59 253
2	9.5E	8.4H	6 35.878	0.0004	12	-50 37 15.91	-0.003	12	0.70	35.860	45	04.9	15.76	45	04.9	K0		CZ	1484	P -50 414
3	10.2E	9.4Z	6 38.910	-0.0005	12	-50 11 22.29	-0.017	12	0.70	38.934	45	04.9	21.51	45	04.9			CZ	1485	P -50 415
4	10.0	9.0W	7 5.589	0.0017	07	-57 12 0.14	-0.037	07	0.14	5.584	14	46.7	0.02	14	46.7	K5		C0	805	P -57 502
5	9.5	9.1W	7 15.007	-0.0061	05	-54 6 22.72	-0.153	05	0.18	15.074	15	38.9	21.02	18	38.9	F8		C9	963	P -54 518
6	8.9	9.0W	7 15.207	0.0023	11	-59 33 50.24	0.024	11	0.14	15.200	14	46.7	50.32	14	46.7	B9		C0	806	P -59 254
7	10.4E	9.0Z	7 21.687	0.0040	12	-50 32 44.03	0.036	12	0.61	21.503	28	03.9	45.68	26	03.9			CZ	1491	P -50 416
8	10.4E	9.0Z	7 23.283	-0.0008	12	-50 54 51.63	0.046	12	0.81	23.320	63	04.9	53.69	57	04.9			CZ	1493	P -51 375
9	10.3	9.3W	7 23.397	0.0029	14	-52 41 34.78	-0.006	14	0.23	23.365	15	38.9	34.72	18	38.9	G8	O	C9	964	P -52 367
10	10.4	9.3W	7 23.995	-0.0027	12	-52 12 22.38	0.003	12	0.21	24.025	15	38.9	22.42	18	38.9	K1	O	C9	965	P -52 366
11	10.0	9.8W	8 5.023	-0.0029	09	-58 17 11.56	0.017	09	0.14	5.033	14	46.7	11.62	14	46.7	F2	O	C0	808	P -58 264
12	9.7	8.8W	8 18.694	0.0077	07	-55 12 50.03	-0.015	07	0.18	18.609	15	38.9	49.87	18	38.9	K2		C9	969	P -55 494
13	9.1	9.1W	8 21.186	0.0044	06	-58 56 14.60	0.007	06	0.14	21.171	14	46.7	14.62	14	46.7	A0		C0	809	P -59 255
14		7.9T	8 25.031	-0.0004	12	-55 40 34.72	-0.012	09	0.52	25.049	18	07.9	34.15	18	00.8	K5		GC	3797	P -55 495
15		7.7T	8 30.160	0.0097	17	-51 1 18.99	0.003	13	0.77	29.688	17	01.4	19.13	18	99.2	G0		GC	3800	C -51 737
16	10.2	8.6W	8 30.201	0.0021	07	-57 8 9.04	-0.006	07	0.14	30.194	14	46.7	9.02	14	46.7	K5		C0	810	P -57 505
17	9.5	9.1W	8 34.451	-0.0003	15	-53 58 41.59	0.030	15	0.24	34.455	15	38.9	41.92	18	38.9	F0		C9	971	P -54 519
18	8.3	8.3W	8 56.655	0.0013	06	-59 24 30.50	0.006	06	0.14	56.651	14	46.7	30.52	14	46.7	A2		C0	812	P -59 257
19	10.2	9.8W	9 9.348	-0.0042	12	-52 13 47.72	0.027	12	0.21	9.395	15	38.9	48.01	18	38.9	G0	O	C9	975	P -52 370
20	9.7E	9.0H	9 9.802	-0.0004	12	-50 56 5.77	-0.013	12	0.81	9.821	63	04.9	5.17	57	04.9	G5		CZ	1514	P -51 379
21	9.6	9.0W	9 14.921	-0.0031	07	-59 0 58.10	-0.023	07	0.14	14.931	14	46.7	58.02	14	46.7	G5		C0	814	P -59 258
22	9.8E	8.1H	9 23.436	0.0027	12	-50 13 17.58	0.013	12	0.63	23.309	31	03.5	18.17	28	03.5	K0		CZ	1516	P -50 418
23		6.7T	9 24.042	0.0009	07	-57 59 52.29	0.002	05	0.27	24.003	12	10.9	52.37	12	04.9	G5		GC	3823	P -58 265
24	9.8	9.4W	9 31.714	0.0005	07	-55 12 50.90	-0.003	07	0.18	31.709	15	38.9	50.87	18	38.9	G5		C9	976	P -55 498
25	9.6	8.6W	9 34.502	-0.0004	07	-57 53 19.76	-0.072	07	0.14	34.503	14	46.7	19.52	14	46.7	K0		C0	816	P -58 266
26	9.7	9.1W	9 37.037	-0.0101	07	-55 20 57.93	0.012	07	0.18	37.148	15	38.9	58.07	18	38.9	K0		C9	977	P*-55 499
27	8.7	8.7W	9 44.492	-0.0006	07	-55 4 34.22	0.005	07	0.18	44.499	15	38.9	34.27	18	38.9	F0		C9	978	P -55 500
28	10.8	9.6W	10 4.146	0.0028	09	-53 2 16.76	-0.004	09	0.19	4.115	15	38.9	16.71	18	38.9	K2	O	C9	980	P -53 537
29	10.1E	8.8H	10 5.104	-0.0041	12	-50 27 33.71	-0.022	12	0.69	5.289	45	05.4	32.72	45	05.4	K0		CZ	1518	P -50 421
30	9.3	8.7W	10 8.139	-0.0041	07	-53 4 28.37	-0.140	07	0.18	8.185	15	38.9	26.81	18	38.9	G0		C9	981	P -53 538
31	10.2	9.2W	10 24.879	-0.0014	09	-57 9 53.88	-0.017	09	0.14	24.884	14	46.7	53.82	14	46.7	K		C0	818	P -57 510
32	10.0	8.6W	10 36.748	0.0066	12	-52 8 36.08	0.012	12	0.21	36.675	15	38.9	36.21	18	38.9	K2		C9	982	P -52 371
33		7.2T	10 42.610	0.0027	15	-56 35 21.30	0.041	12	0.68	42.471	21	03.5	23.39	19	99.6	K5		GC	3847	P -56 504
34	9.8	8.7W	10 46.042	0.0026	06	-56 30 48.04	-0.007	06	0.14	46.033	14	46.7	48.02	14	46.7	G8	O	C0	822	P -56 505
35	9.9	9.5W	10 59.304	0.0004	10	-57 53 19.53	0.088	10	0.14	59.303	14	46.7	19.82	14	46.7	G0	O	C0	823	P -58 269
36	9.3	9.1W	11 13.799	0.0018	05	-55 22 6.77	-0.063	05	0.18	13.779	15	38.9	6.07	18	38.9	F5		C9	983	P -55 502
37		5.7H	11 16.947	0.0016	03	-57 30 29.47	0.013	03	0.11	16.896	05	17.6	29.88	05	18.3	N0		F4	118	P -57 513
38	9.4E	8.4H	11 39.072	0.0022	12	-51 17 14.30	0.028	12	0.65	38.968	31	02.4	15.62	31	02.4	K0		CZ	1531	P -51 384
39	9.6	9.5W	11 43.060	-0.0029	11	-59 35 47.70	0.038	11	0.14	43.070	14	46.7	47.82	14	46.7	A2		C0	828	P -59 261
40	9.0	9.3W	11 48.207	0.0012	07	-58 1 11.12	0.001	07	0.14	48.203	14	46.7	11.12	14	46.7	B9		C0	829	P -58 271
41	10.2E	9.4Z	11 54.993	-0.0015	12	-51 31 31.47	-0.004	12	0.81	55.061	63	04.9	31.30	57	04.9			CZ	1536	P -51 385
42	8.7	8.4W	12 13.925	-0.0000	06	-52 51 13.08	-0.024	06	0.18	13.925	15	38.9	12.81	18	38.9	A5		C9	985	P -53 540
43	9.8E	8.5H	12 20.283	-0.0017	12	-50 5 50.57	0.003	12	0.63	20.364	31	03.5	50.70	28	03.5	K0		CZ	1538	P -50 422
44		8.4T	12 22.258	0.0013	13	-56 15 1.67	0.005	11	0.58	22.191	18	06.9	1.94	18	00.4	A0		GC	3882K	P*-56 506
45	8.9	8.7W	12 37.224	-0.0060	06	-57 6 13.02	-0.090	06	0.14	37.244	14	46.7	12.72	14	46.7	F8		C0	832	P -57 517
46	8.8	7.8W	12 50.752	0.0062	06	-59 17 48.38	0.012	06	0.14	50.731	14	46.7	48.42	14	46.7	K0		C0	834	P -59 262
47	9.1	8.8W	13 10.869	0.0036	07	-55 25 46.53	0.004	07	0.18	10.829	15	38.9	46.57	18	38.9	F5		C9	991	P -55 504
48	10.3	9.9W	13 12.142	-0.0056	12	-52 19 18.79	0.002	12	0.21	12.205	15	38.9	18.82	18	38.9	F9	O	C9	992	P -52 375
49		7.6T	13 19.375	0.0039	16	-50 44 10.59	0.033	12	0.74	19.186	18	01.5	12.31	18	97.9	F5		GC	3898	C -51 749
50		7.0T	13 44.482	0.0036	06	-59 41 51.91	0.007	05	0.27	44.309	12	08.2	52.27	12	02.1	K0		GC	3909K	P -59 263
51	9.8	9.7W	3 13 49.855	0.0033	07	-55 26 35.15	0.029	07	0.18	49.819	15	38.9	35.47	18	38.9	F5		C9	994	P -55 505
52	9.8	10.0W	13 53.909	-0.0006	06	-59 22 38.58	-0.017	06	0.14	53.911	14	46.7	38.52	14	46.7	A2		C0	837	P -59 264
53	9.5	8.6W	14 6.642	0.0025	06	-54 48 39.24	-0.019	06	0.18	6.614	15	38.9	39.03	18	38.9	K0		C9	995	P -55 506
54	9.4	8.6W	14 19.004	0.0003	09	-58 0 20.21	0.035	09	0.14	19.003	14	46.7	20.32	14	46.7	K0		C0	838	P*-58 274
55	10.2	9.8W	14 22.468	0.0042	09	-57 12 11.42	-0.030	09	0.14	22.454	14	46.7	11.32	14	46.7	G3	O	C0	839	P -57 519
56	10.2E	8.5Z	14 33.834	-0.0007	12	-50 20 10.86	0.007	12	0.69	33.863	45	05.5	11.16	45	05.5			CZ	1554	P -50 427
57	10.4	9.4W	14 49.776	0.0001	07	-52 30 10.79	0.002	07	0.18	49.775	15	38.9	10.82	18	38.9	K1	O	C9	997	P -52 379
58	9.9	9.4W	14 56.416	0.0014	09	-59 11 55.43	-0.034	09	0.14	56.411	14	46.7	55.32	14	46.7	G0		C0	841	P -59 265
59	9.6	9.0W	15 19.171	-0.0066	12	-53 6 34.51	-0.108	12	0.21	19.245	15	38.9	33.32	18	38.9	G0		C9	998	P -53 547
60	10.3	9.9W	15 26.578	-0.0006	09	-54 16 26.02	-0.000	09	0.19	26.584	15	38.9	26.02	18	38.9	G0	O	C9	999	P -54 535
61	10.1E	9.2H	15 28.031	0.0016	12	-50 50 9.23	0.023	12	0.81	27.959	63	05.0	10.25	57	05.0	K2		CZ	1565	P -51 388
62	9.8E	8.6H	15 43.402	-0.0006	12	-50 9 5.24	0.012	12	0.63	43.432	31	03.5	5.78	28	03.5	G0		CZ	1567	P -50 433
63	10.3	10.4W	16 0.568	0.0093	12	-52 6 40.74	0.079	12	0.21	0.465	15	38.9	41.61	18	38.9	G0	O	C9	1001	P -52 381
64	9.5	8.7W	16 17.259	0.0019	06	-55 39 51.66	-0.009	06	0.18	17.238	15	38.9	51.57	18	38.9	K0		C9	1002	P -55 512
65	10.1	9.8W	16 27.988	-0.0018	09	-56 43 47.08	-0.017	09	0.14	27.994	14	46.7	47.02	14	46.7	K		C0	844	P -57 523
66		9.0T	16 36.978	-0.0031	20	-53 2 15.55	-0.027	15	0.85	37.117	24	04.9	14.23	22	00.8	G5		GC	3964	P -53 548
67	9.9	9.1W	16 45.565	0.0014	07	-59 47 23.70	0.008	07	0.14	45.561	14	47.0	23.72	14	47.0	G5		C0	681	P -60 246
68	9.9	8.6W	17 3.974	0.0032	07	-56 45 3.68	-0.017	07	0.14	3.964	14	46.7	3.62	14	46.7	K2		C0	846	P -57 524
69		8.0T	17 4.467	-0.0036	13	-51 28 40.10	-0.013	12	0.62	4.631	15	04.3	39.44	18	00.0	F0		GC	3973	C -51 764
70		8.4T	17 6.054	0.0024	15	-56 0 12.51	-0.001	12	0.67	5.932	21	04.1	12.48	19	00.2	A0		GC	3974	P -56 520
71		7.3T	17 42.332	0.0089	13	-58 9 40.86	0.106	10	0.55	41.912	18	06.3	45.87	17	02.7	K0		GC	3994	P -58 275
72		8.4T	17 46.690	-0.0055	16	-51 3 21.18	0.030	13	0.75	46.980	19	00.9	22.72	18	98.6	F5		GC	3997	C -51 768
73	10.2E	8.5Z	17 57.925	-0.0053	12	-50 43 43.03	-0.030	12	0.64	58.171	31	03.6	41.62	31	03.6			CZ	15890	P*-51 393
74	9.3	8.4W	18 8.290	-0.0010	06	-56 41 43.95	-0.038	06	0.14	8.293	14	46.7	43.82	14	46.7	K0		C0	849	P -56 523
75	9.1	8.4W	18 44.206	-0.0080	06	-52 12 35.58	-0.114	06	0.18	44.295	15	38.9	34.31	18	38.9	G5		C9	1010	P -52 388
76	10.2	9.4W	18 50.602	0.0016	07	-54 43 35.78	0.005	07	0.18	50.584	15	38.9	35.83	18	38.9	K1	O	C9	1011	P -55 515
77	9.7	8.6W	19 35.891	0.0024	07	-53 14 2.69	0.020	07	0.18	35.865	15	38.9	2.91	18	38.9	G5		C9	1016	P -53 552
78	9.8	8.9W	19 44.578	0.0030	08	-54 34 7.42	-0.026	08	0.19	44.544	15	38.9	7.13	18	38.9	K0		C9	1017	P -54 544
79	9.0	8.4W	19 57.411	0.0141	08	-53 2 6.26	0.158	08	0.19	57.255	15	38.9	8.01	18	38.9	G5		C9	1020	P -53 555
80	10.7	9.7W	20 10.056	0.0055	07	-53 27 38.56	-0.004	07	0.18	9.995	15	38.9	38.51	18	38.9	G8	O	C9	1023	P -53 557
81	8.8	8.3W	20 11.459	0.0095	06	-59 49 5.59	0.045	06	0.14	11.431	14	47.0	5.72	14	47.0	G5		C0	690	P -60 249
82	9.9	9.2W	20 15.193	0.0088	07	-56 6 54.89	0.096	07	0.14	15.164	14	46.7	55.21	14	46.7	G5		C0	853	P -56 526
83	9.1	8.3W	20 17.741	0.0006	06	-54 12 2.30	-0.007	06	0.18	17.734	15	38.9	2.22	18	38.9	G5		C9	1025	P -54 545
84	9.7E	9.4H	20 33.053	-0.0016	12	-51 9 52.80	0.015	12	0.81	33.126	63	05.0	53.47	57	05.0	A5		CZ	1612	P -51 395
85	9.5	8.2W	20 58.668	0.0021	06	-54 52 1.81	-0.007	06	0.18	58.665	15	38.9	1.73	18	38.9	K2		C9	1028	P -55 519
86	8.8	7.6W	21 2.771	0.0029	06	-58 52 32.38	-0.017	06	0.14	2.761	14	46.7	32.32	14	46.7	K2		C0	854	P -59 268
87	10.1	9.0W	21 16.987	0.0007	07	-56 27 32.49	0.006	07	0.14	16.984	14	46.7	32.51	14	46.7	K0		C0	855	P -56 528
88	8.7	7.6W	21 20.197	-0.0011	09	-59 52 49.49	-0.023	09	0.14	20.201	14	47.0	49.42	14	47.0	K0		C0	698	P -60 250
89		8.0T	21 23.543	0.0013	17	-51 29 23.07	0.036	13	0.77	23.482	22	03.2	24.91	21	98.7	F8		GC	4053	C -51 779
90	9.7	8.8W	21 27.008	0.0012	07	-54 37 36.74	0.036	07	0.18	26.994	15	38.9	37.13	18	38.9	K2		C9	1029	P -54 547
91	9.7	8.0W	21 34.165	0.0055	06	-51 43 55.23	0.017	06	0.18	34.105	15	38.9	55.41	18	38.9	MA		C9	1031	P -52 393
92	9.0	9.1W	21 36.188	-0.0042	14	-52 4 11.86	-0.022	14	0.23	36.235	15	38.9	11.61	18	38.9	A0		C9	1032	P -52 394
93	10.0	10.1W	21 37.145	0.0008	09	-58 1 25.90	0.008	09	0.14	37.143	14	46.7	25.92	14	46.7	A0		C0	857	P -58 278
94	9.5	9.1W	21 42.472	0.0052	07	-54 11 34.59	0.039	07	0.18	42.414	15	38.9	35.02	18	38.9	F0		C9	1033	P -54 548
95	12.1E	9.9H	21 42.544	0.0217	12	-50 10 27.79	0.297	12	0.70	41.569	45	05.0	41.15	45	05.0	K0		CZ	1624	P -50 441
96	9.7E	9.0H	21 43.828	0.0229	12	-50 10 20.59	0.272	12	0.70	42.799	45	05.0	32.82	45	05.0	K0		CZ	1625	P -50 441
97	8.9	8.8W	21 44.888	0.0052	06	-59 8 6.98	0.012	06	0.14	44.871	14	46.7	7.02	14	46.7	F0		C0	858	P -59 269
98	11.0E	9.8Z	21 46.235	-0.0001	12	-50 38 12.38	0.008	12	0.63	46.240	31	03.3	12.74	28	03.3			CZ	1626	P -50 442
99	9.9	8.8W	21 49.901	0.0022	07	-57 3 29.60	0.037	07	0.14	49.893	14	46.7	29.72	14	46.7	K0		C0	859	P -57 533
00	9.6	8.5W	21 52.243	0.0007	06	-59 6 42.24	-0.005	06	0.14	52.241	14	46.7	42.22	14	46.7	G8	O	C0	860	P -59 271

233100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 3H DM NUMBER
1	10.4	9.1W	3 21 58.981	0.0019	09	-56 7 29.45	-0.014	09	0.14	58.974	14	46.7	29.41	14	46.7	K	CD	861	P -56 529
2	9.7	8.5W	22 2.323	0.0026	07	-54 20 27.55	0.016	07	0.18	2.295	15	38.9	27.72	18	38.9	K0	C9	1036	P -54 550
3	8.9	8.0W	22 14.205	0.0011	06	-59 0 34.42	0.000	06	0.14	14.201	14	46.7	34.42	14	46.7	K0	CD	862	P -59 272
4	9.4	7.9W	22 29.120	0.0026	06	-59 10 11.53	-0.033	06	0.14	29.111	14	46.7	11.42	14	46.7	K5	CD	863	P -59 273
5	9.7	9.5W	22 32.901	0.0082	09	-56 13 7.55	0.017	09	0.14	32.874	14	46.7	7.61	14	46.7	F8	CD	864	P -56 530
6		6.6T	23 7.006	-0.0007	11	-51 14 17.30	0.023	07	0.54	7.042	18	97.8	18.69	15	89.4	A0	GC	4085K	C -51 790
7	10.1E	9.7Z	23 8.407	0.0006	12	-50 51 26.30	0.013	12	0.81	8.381	63	05.0	26.87	57	05.0		CZ	1640	P -51 403
8	9.9E	8.4H	23 10.100	-0.0004	12	-50 10 53.47	0.017	12	0.63	10.121	31	03.3	54.24	28	03.3	K0	CZ	1641	P -50 446
9	8.3	7.3W	23 11.606	0.0009	06	-57 43 36.76	0.017	06	0.14	11.603	14	46.7	36.82	14	46.7	G5	CD	866	P -57 538
10	10.1E	9.3Z	23 12.992	0.0084	12	-50 57 13.31	0.036	12	0.81	12.614	63	05.0	14.91	57	05.0		CZ	1643	P -51 405
11	10.4	9.9W	23 33.525	-0.0026	09	-56 44 47.80	0.007	09	0.14	33.533	14	46.7	47.82	14	46.7	G0	CD	868	P -57 539
12		7.7T	23 58.811	0.0009	16	-52 33 23.27	0.019	13	0.72	58.768	18	03.5	24.21	19	00.9	K0	GC	4096	P -52 399
13	9.3E	8.2H	24 28.161	-0.0016	12	-50 58 38.26	0.021	12	0.81	28.234	63	05.0	39.19	57	05.0	G5	CZ	1659	P -51 409
14	9.9	9.8E	24 44.687	0.0011	07	-54 46 6.36	-0.020	07	0.18	44.674	15	38.9	6.13	18	38.9	F3	C9	1049	P -55 524
15		8.4T	25 0.931	0.0049	15	-55 4 0.58	0.000	12	0.67	0.689	21	04.1	0.60	19	00.1	K2	GC	4114	P -55 525
16	9.2	9.0W	25 5.431	0.0092	05	-59 27 34.75	0.083	05	0.14	5.401	14	46.7	35.02	14	46.7	F8	CD	870	P -59 275
17		9.4T	25 10.319	0.0228	22	-50 49 3.88	0.039	20	1.01	9.270	21	04.0	5.74	19	02.2	G5	GC	4119	C -51 806
18	10.0	9.0W	25 16.504	0.0007	07	-59 28 21.49	0.070	07	0.14	16.501	14	46.7	21.72	14	46.7	G8	CD	871	P -59 276
19	9.3	9.0W	25 27.905	-0.0012	07	-55 38 25.28	0.026	07	0.18	27.915	15	38.9	25.57	18	38.9	G0	C9	1053	P -55 527
20	10.6	9.1W	25 36.680	0.0014	07	-53 44 13.53	-0.001	07	0.18	36.664	15	38.9	13.52	18	38.9	M0	C9	1054	P -53 567
21	9.2E	8.6H	25 37.762	-0.0008	12	-50 49 0.81	0.074	12	0.65	37.799	36	05.0	4.14	36	05.0	F5	CZ	1671	P -51 412
22	9.4E	8.7H	25 43.256	0.0138	12	-50 38 1.69	-0.155	12	0.65	42.635	36	05.0	55.60	36	05.0	G0	CZ	1672	P -50 454
23		9.5T	25 52.145	-0.0015	16	-56 36 2.07	0.010	13	0.73	52.220	24	03.7	2.57	24	01.7	K	GC	4138	P -56 536
24		10.0T	25 54.615	-0.0061	26	-52 12 52.60	-0.035	16	0.96	54.871	24	07.7	50.98	22	03.0	F2	GC	4141	P -52 403
25	9.4	9.1W	25 58.039	0.0085	06	-51 58 12.05	0.015	06	0.18	57.945	15	38.9	12.22	18	38.9	F2	C9	1057	P -52 404
26	8.5	7.9W	26 2.404	0.0334	07	-58 29 52.25	0.081	07	0.14	2.293	14	46.7	52.52	14	46.7	G5	CD	875	P -58 283
27	10.0	8.9W	26 14.927	0.0009	07	-57 18 38.82	-0.031	07	0.14	14.924	14	46.7	38.72	14	46.7	K0	CD	876	P -57 546
28	10.4	9.8W	26 15.571	0.0006	07	-54 57 16.58	0.005	07	0.18	15.564	15	38.9	16.63	18	38.9	G5	C9	1058	P -55 528
29	10.6	9.5W	26 17.003	-0.0001	09	-53 59 27.61	-0.017	09	0.19	17.005	15	38.9	27.42	18	38.9	G5	C9	1060	P -54 558
30	10.3	9.4W	26 42.796	0.0064	09	-53 17 12.44	-0.083	09	0.19	42.725	15	38.9	11.51	18	38.9	G8	C9	1061	P -53 568
31	10.2E	9.2Z	26 49.500	0.0098	12	-51 41 58.84	0.013	12	0.65	49.034	31	02.4	59.48	31	02.4		CZ	1686	P -51 413
32	10.2	9.9W	26 59.211	-0.0021	12	-51 55 47.82	-0.010	12	0.21	59.235	15	38.9	47.71	18	38.9	G0	C9	1063	P -52 407
33		6.7T	27 7.704	0.0014	14	-58 3 13.61	-0.013	09	0.55	7.641	18	08.2	13.00	17	03.6	K5	GC	4160	P -58 285
34	9.8	9.6W	27 29.962	0.0027	13	-56 35 26.10	0.068	13	0.15	29.953	14	46.7	26.32	14	46.7	F2	CD	878	P -56 541
35		8.9T	28 12.146	0.0076	18	-54 57 10.99	0.007	18	0.83	11.814	22	06.5	11.30	22	06.2	K5	GC	4190	P -55 533
36	9.2	9.0W	28 39.731	0.0019	06	-56 4 14.26	0.014	06	0.14	39.724	14	46.5	14.31	14	46.5	F0	CD	880	P -56 542
37	10.2	9.3W	28 49.453	0.0001	07	-57 58 20.67	-0.015	07	0.14	49.453	14	46.5	20.62	14	46.5	K5	CD	881	P -58 287
38	11.0	9.8W	28 49.823	0.0026	07	-52 39 34.28	-0.015	07	0.18	49.795	15	38.9	34.11	18	38.9	K2	C9	1070	P -52 412
39		7.9T	29 3.163	0.0026	13	-54 58 42.13	0.049	12	0.65	3.039	21	02.8	44.62	19	99.4	G5	GC	4213	P -55 534
40	8.3	8.2W	29 25.956	-0.0015	06	-58 44 36.39	0.009	06	0.14	25.961	14	46.5	36.42	14	46.5	F2	CD	883	P -59 280
41	10.0	9.8W	29 32.472	-0.0002	13	-58 18 0.05	0.047	13	0.15	32.473	14	46.5	0.22	14	46.5	F6	CD	884	P -58 288
42	10.7E	9.6Z	29 51.807	0.0005	12	-51 29 53.35	0.021	12	0.65	51.785	31	02.4	54.36	31	02.4		CZ	1709	P -51 415
43	10.2E	9.4H	29 58.167	-0.0010	12	-51 42 35.86	0.008	12	0.81	58.212	63	05.0	36.24	57	05.0	K0	CZ	1712	P -51 416
44		7.1T	30 0.101	0.0058	15	-55 25 5.65	0.032	12	0.67	59.812	21	04.5	7.28	19	99.8	K5	GC	4233	P -55 537
45	9.6E	8.2H	30 5.539	-0.0008	12	-50 16 24.54	0.001	12	0.70	5.574	45	05.0	24.57	45	05.0	K0	CZ	1714	P -50 458
46	8.6E	8.1H	30 27.726	-0.0053	12	-50 3 15.87	-0.100	12	0.63	27.973	31	03.2	11.16	28	03.2	F2	CZ	1717	P -50 459
47	9.4	9.0W	30 34.954	-0.0001	07	-58 33 24.25	0.004	07	0.14	34.954	14	46.5	24.26	14	46.5	G5	CD	887	P -58 291
48	8.3	7.7W	30 36.711	0.0170	04	-52 38 28.21	-0.052	04	0.17	36.516	15	38.5	27.61	18	38.5	G5	C9	1078	P -52 415
49	8.7	8.3W	30 38.401	0.0186	07	-58 16 4.77	-0.003	07	0.14	38.336	14	46.5	4.76	14	46.5	F5	CD	888	P -58 292
50	8.8E	8.4H	30 41.706	-0.0024	12	-50 59 15.78	-0.006	12	0.81	41.812	63	05.0	15.50	57	05.0	G5	CZ	1723	P -51 418
51	10.0	9.6W	3 30 56.413	0.0078	13	-57 57 48.61	0.073	13	0.15	56.385	14	46.5	48.86	14	46.5	G2	CD	889	P -58 293
52		5.6H	31 5.144	0.0085	03	-50 32 51.41	0.082	03	0.12	4.870	06	17.7	54.04	06	17.8	K0	F4	128	C -50 1071
53	10.0	9.6W	31 16.393	0.0075	12	-51 57 29.35	0.101	12	0.22	16.306	15	38.5	30.51	18	38.5	G5	C9	1080	P -52 416
54	9.6	9.4W	31 20.942	-0.0015	07	-55 3 29.74	-0.002	07	0.18	20.959	15	38.5	29.72	18	38.5	G0	C9	1081	P -55 541
55	9.8	9.4W	31 44.669	-0.0014	13	-59 58 44.56	0.067	13	0.15	44.674	14	47.0	44.76	14	47.0	G5	CD	741	P -60 256
56	10.8	9.1W	31 51.768	-0.0015	09	-53 34 39.44	0.016	09	0.20	51.785	15	38.5	39.62	18	38.5	M0	C9	1084	P -53 579
57	10.3E	9.4Z	31 53.024	0.0004	12	-50 0 40.10	0.036	12	0.71	53.024	45	03.5	41.78	45	03.5		CZ	1733	P -50 462
58	8.5	8.7W	31 57.856	0.0034	11	-58 48 32.43	0.039	11	0.15	57.844	14	46.5	32.56	14	46.5	A0	CD	892	P -59 281
59	9.4	9.5W	31 58.962	0.0020	06	-58 6 37.59	-0.009	06	0.14	58.955	14	46.5	37.56	14	46.5	A2	CD	893	P -58 294
60	10.1	9.8W	32 20.996	-0.0043	15	-54 29 51.03	0.043	15	0.24	21.046	15	38.5	51.52	18	38.5	G0	C9	1086	P -54 564
61		8.7T	32 29.351	0.0032	16	-58 8 32.80	-0.004	13	0.67	29.199	19	08.8	32.61	21	02.8	A5	GC	4279	P -58 295
62	10.1	10.3W	32 37.016	-0.0009	12	-51 58 21.54	0.033	12	0.22	37.026	15	38.5	21.92	18	38.5	A0	C9	1087	P -52 418
63		7.5T	32 51.616	0.0020	15	-54 40 40.98	-0.001	12	0.68	51.520	17	02.5	40.91	18	99.5	K0	GC	4286	P -54 567
64	10.1	9.0W	32 56.406	0.0001	05	-54 46 52.90	0.011	05	0.18	56.405	15	38.5	53.03	18	38.5	K2	C9	1090	P -55 544
65	10.1	9.1W	33 5.159	-0.0024	07	-52 17 23.76	-0.013	07	0.18	5.186	15	38.5	23.61	18	38.5	K5	C9	1091	P -52 419
66	9.3E	9.0H	33 6.906	0.0001	12	-51 8 18.17	0.006	12	0.81	6.904	63	05.0	18.45	57	05.0	F5	CZ	1742	P -51 423
67	10.1	9.9W	33 14.871	-0.0042	13	-56 39 45.62	0.011	13	0.15	14.886	14	46.5	45.66	14	46.5	G0	CD	899	P -56 552
68	9.9	8.8W	33 17.691	0.0014	07	-53 41 10.60	-0.033	07	0.18	17.676	15	38.5	10.22	18	38.5	K5	C9	1092	P*-53 582
69		6.9T	33 23.844	0.0050	13	-54 29 19.97	0.026	10	0.63	23.611	21	03.1	21.53	18	93.3	F5	GC	4291	P*-54 569
70	9.3	9.1W	33 26.437	-0.0024	07	-53 54 24.27	-0.039	07	0.18	26.466	15	38.5	23.82	18	38.5	F5	C9	1094	P -54 568
71	9.7	8.3W	33 32.756	0.0001	06	-57 53 13.42	0.013	06	0.14	32.755	14	46.5	13.46	14	46.5	K5	CD	900	P -58 298
72		7.5T	34 0.026	0.0044	13	-57 58 33.78	0.055	09	0.55	59.812	18	05.5	36.44	17	01.7	K0	GC	4304	P -58 299
73		8.3T	34 14.790	0.0003	12	-52 43 16.46	0.029	11	0.55	14.777	15	05.0	17.90	17	99.6	B3	GC	4312	P -52 421
74	8.4	8.1W	34 20.671	0.0109	07	-53 22 13.03	-0.036	07	0.18	20.546	15	38.5	12.62	18	38.5	F2	C9	1098	P -53 585
75	9.9	9.8W	34 43.845	-0.0005	06	-56 13 2.75	-0.027	06	0.14	43.847	14	46.5	2.65	14	46.5	F5	CD	904	P -56 554
76	8.8E	8.5H	34 43.844	-0.0036	12	-51 22 38.54	-0.181	12	0.64	44.014	31	02.1	29.87	28	02.1	G5	CZ	1754	P -51 425
77	10.0	9.8W	34 48.212	-0.0012	13	-57 29 49.70	-0.010	13	0.15	48.216	14	46.5	49.66	14	46.5	F5	CD	905	P -57 556
78		7.5T	35 6.718	0.0040	12	-52 56 30.36	0.032	11	0.57	6.538	17	05.0	31.95	17	99.7	K0	GC	4327	P -53 587
79	9.7	9.6W	35 18.550	0.0040	13	-58 15 3.95	0.060	13	0.15	18.535	14	46.5	4.16	14	46.5	G0	CD	908	P -58 300
80	9.9	9.4W	35 19.095	-0.0027	12	-52 10 42.03	-0.036	12	0.22	19.126	15	38.5	41.61	18	38.5	G0	C9	1102	P -52 423
81		7.5T	35 23.604	0.0062	18	-50 7 17.65	0.003	13	0.80	23.306	17	02.1	17.81	18	99.3	G0	GC	4331K	C -50 1090
82	9.5	9.3W	35 27.143	0.0022	07	-57 42 56.99	-0.009	07	0.14	27.135	14	46.5	56.96	14	46.5	F8	CD	909	P -57 560
83		8.0T	35 41.765	0.0022	16	-53 14 26.99	0.025	12	0.72	41.661	18	02.8	28.22	19	99.7	K2	GC	4337	P -53 588
84	10.3	9.3W	35 47.299	0.0008	07	-57 17 25.94	0.007	07	0.14	47.296	14	46.5	25.96	14	46.5	G8	CD	912	P -57 561
85	10.0	9.7W	35 49.128	0.0004	09	-56 58 18.11	0.016	09	0.14	49.126	14	46.5	18.16	14	46.5	G0	CD	913	P -57 562
86	10.4E	9.1Z	35 55.105	-0.0007	12	-50 54 15.46	-0.014	12	0.65	55.140	31	02.3	14.80	31	02.3		CZ	1766	P -51 427
87	10.9	10.2W	35 56.264	0.0025	15	-53 39 35.59	0.038	15	0.24	56.235	15	38.5	36.02	18	38.5	G5	C9	1105	P -53 589
88	10.7	9.1W	36 14.748	0.0019	09	-51 57 38.83	-0.001	09	0.20	14.726	15	38.5	38.81	18	38.5	M2	C9	1106	P -52 425
89	10.0	9.7W	36 22.321	0.0001	15	-55 21 25.52	0.008	15	0.24	22.319	15	38.5	25.62	18	38.5	F8	C9	1107	P -55 555
90			36 29.642	0.0029	07	-55 33 31.66	-0.013	07	0.18	29.608	15	38.5	31.52	18	38.5	M0	C9	1108Y	P*-55 551
91	10.3	9.3W	36 36.865	0.0026	07	-57 3 35.30	0.018	07	0.14	36.856	14	46.5	35.36	14	46.5	K0	CD	915	P -57 563
92	10.4	9.8W	36 38.069	-0.0041	07	-51 45 17.18	0.020	07	0.18	38.116	15	38.5	17.41	18	38.5	G5	C9	1109	P -52 426
93	10.3	9.8W	36 39.384	-0.0039	15	-56 5 48.01	0.009	15	0.24	39.428	15	38.5	48.12	18	38.5	F8	C9	1110	P -56 557
94		7.4T	36 56.324	0.0023	12	-57 26 52.34	-0.011	10	0.60	56.205	19	02.6	51.75	18	98.3	K5	GC	4355	P -57 564
95		8.9T	37 2.232	0.0029	14	-59 56 19.40	0.040	16	0.67	2.112	19	06.5	21.06	19	08.2	F5	GC	4359K	P -60 261
96	9.9	9.5W	37 7.566	0.0018	07	-53 14 37.93	-0.062	07	0.18	7.546	15	38.5	37.21	18	38.5	G0	C9	1111	P -53 590
97		7.1T	37 9.916	0.0035	07	-59 56 20.47	0.046	06	0.35	9.726	15	03.1	22.97	14	95.2	F2	GC	4364K	P*-60 262
98	9.0	8.6W	37 12.257	0.0003	07	-57 48 12.87	0.025	07	0.14	12.255	14	46.5	12.96	14	46.5	F2	CD	920	P -58 304
99		8.6T	37 19.190	-0.0001	11	-56 18 18.86	0.024	10	0.55	19.195	19	02.8	20.10	18	97.8	G5	GC	4366	P -56 559
00	10.1	9.9W	37 31.078	0.0002	06	-56 18 22.72	0.008	06	0.14	31.077	14	46.5	22.75	14	46.5		CD	922	P*-56 560

233200 — EPOCH 1950 — ORIGINAL EPOCH — -50° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	8.9	8.6W	3 37 33.076	0.0009	07	-59 58 54.84	-0.021	07	0.14	33.073	14	46.5	54.76	14	46.5	F5		CO	774	P -60 263
2	10.1	9.9W	37 34.951	0.0013	14	-52 16 14.04	0.015	14	0.23	34.936	15	38.5	14.22	18	38.5	F5	O	C9	1113	P -52 427
3	9.8E	9.4H	37 41.749	-0.0003	12	-50 27 47.48	0.006	12	0.62	41.762	28	02.8	47.78	26	02.8	A5		CZ	1787	P -50 471
4	10.2	10.1W	37 42.313	-0.0055	14	-52 11 55.96	0.022	14	0.23	42.376	15	38.5	56.21	18	38.5	F2	O	C9	1116	P -52 428
5	10.3	10.0W	37 44.435	-0.0019	08	-51 45 51.09	0.028	08	0.19	44.456	15	38.5	51.41	18	38.5	F5	O	C9	1117	P -52 429
6	9.9E	9.2H	37 48.631	-0.0000	12	-51 37 53.16	0.026	12	0.63	48.632	31	03.2	54.37	28	03.2	G0		CZ	1790	P -51 434
7	9.6	9.5W	38 4.097	-0.0024	15	-53 39 28.62	0.018	15	0.24	4.125	15	38.5	28.82	18	38.5	F		C9	1119	P -53 592
8		7.3T	38 22.797	-0.0214	13	-53 4 30.55	-0.091	10	0.61	23.796	21	03.3	25.75	19	97.5	G0		GC	4401	P -53 594
9		6.7T	38 27.444	0.0026	13	-56 23 44.22	0.012	11	0.64	27.310	21	02.2	44.82	19	98.6	K5		GC	4404	P -56 563
10		8.6T	38 29.190	0.0045	15	-56 18 33.50	-0.020	12	0.68	28.964	21	03.9	32.48	19	99.9	K0		GC	4405	P -56 564
11	8.9	8.5W	38 30.257	-0.0017	07	-51 50 50.11	-0.043	07	0.18	30.276	15	38.5	49.61	18	38.5	F5		C9	1121	P -52 432
12	9.5	9.4W	38 34.288	-0.0035	15	-55 33 1.00	0.097	15	0.24	34.328	15	38.5	2.12	18	38.5	G5		C9	1122	P -55 557
13	10.3	10.4W	38 36.538	-0.0068	13	-51 51 25.79	0.063	13	0.22	36.616	15	38.5	26.51	18	38.5	A0	O	C9	1123	P -52 433
14	10.3E	9.5Z	38 46.575	-0.0006	12	-51 19 33.80	-0.023	12	0.81	46.599	63	05.0	32.77	57	05.0			CZ	1795	P -51 435
15		8.0T	38 47.594	0.0045	15	-55 42 28.89	-0.028	11	0.68	47.361	21	03.4	27.42	19	98.2	A0		GC	4413	P -55 558
16			38 50.659	0.0151	07	-52 53 21.13	-0.010	07	0.18	50.486	15	38.5	21.01	18	38.5	G	O	C9	1125V	P*-53 595
17	8.7	8.7W	38 51.503	-0.0009	07	-58 10 45.39	0.020	07	0.14	51.505	14	46.5	45.46	14	46.5	A2		C0	926	P -58 306
18	9.0	9.0W	38 54.187	0.0001	07	-52 53 11.20	0.019	07	0.18	54.186	15	38.5	11.41	18	38.5	A5		C9	1126	P -53 596
19		8.5T	39 11.926	-0.0059	13	-52 51 24.95	-0.026	11	0.64	12.208	19	02.2	23.57	18	97.6	F0		GC	4419	P -53 597
20		8.2T	39 15.188	0.0040	15	-56 42 52.63	-0.058	12	0.73	14.977	22	01.0	49.57	21	97.5	K0		GC	4422	P -56 566
21		8.2T	39 20.866	0.0109	16	-53 53 52.43	-0.006	12	0.70	20.374	22	04.7	52.11	19	00.4	G5		GC	4426	P -54 576
22	10.8	9.9W	39 21.898	0.0002	09	-56 20 19.10	-0.014	09	0.14	21.897	14	46.5	19.05	14	46.5	G8	O	C0	929	P -56 567
23	9.5	9.4W	39 28.961	-0.0016	09	-55 13 11.37	0.047	09	0.20	28.979	15	38.5	11.92	18	38.5	F2		C9	1129	P -55 560
24	10.2	9.2W	39 37.874	-0.0018	09	-54 11 43.75	-0.028	09	0.20	37.895	15	38.5	43.42	18	38.5	K5		C9	1130	P -54 578
25		9.0T	39 43.016	0.0052	16	-56 14 31.95	0.028	14	0.73	42.768	21	04.5	33.27	21	02.4	F2		GC	4434	P -56 569
26	10.1	9.8W	40 14.392	-0.0038	12	-52 33 45.98	0.012	12	0.22	14.436	15	38.5	46.11	18	38.5	G		C9	1132	P -52 435
27	10.0E	8.6H	40 20.118	-0.0071	12	-51 35 4.77	0.054	12	0.81	20.438	63	05.0	7.19	57	05.0	G5		CZ	1809	P -51 438
28	9.6	8.9W	40 23.521	0.0010	07	-55 50 1.92	0.010	07	0.14	23.517	14	46.5	1.96	14	46.5	K0		C0	932	P -56 570
29	9.1	8.4W	40 48.191	0.0186	06	-58 9 24.42	-0.044	06	0.14	48.125	14	46.5	24.26	14	46.5	G5		C0	934	P -58 307
30	9.8	9.5W	40 53.082	-0.0038	13	-52 34 15.50	-0.025	13	0.22	53.126	15	38.5	15.21	18	38.5	G0		C9	1136	P -52 438
31		7.2T	40 56.710	-0.0029	12	-50 57 13.25	0.019	11	0.59	56.842	17	04.6	14.23	19	99.1	K0		GC	4454	C -51 885
32	9.6	9.5W	41 7.091	-0.0057	07	-51 47 46.16	-0.021	07	0.18	7.156	15	38.5	45.91	18	38.5	G0		C9	1138	P -52 439
33	9.2	9.0W	41 9.340	-0.0016	08	-55 36 51.23	0.033	08	0.19	9.358	15	38.5	51.62	18	38.5	F5		C9	1139	P -55 561
34	10.7	9.6W	41 14.351	0.0040	09	-53 26 4.18	-0.023	09	0.20	14.306	15	38.5	3.92	18	38.5	K0	O	C9	1140	P -53 603
35	8.8E	8.5H	41 18.322	0.0008	12	-51 26 42.38	0.071	12	0.65	18.282	31	02.4	45.75	31	02.4	F8		CZ	1817	P -51 442
36	9.7	9.6W	41 22.258	0.0070	13	-58 34 26.82	0.011	13	0.15	22.234	14	46.5	26.86	14	46.5	A5	O	C0	935	P -58 308
37	9.1E	8.4H	41 22.493	-0.0003	12	-50 14 30.34	0.010	12	0.65	22.506	31	02.1	30.83	28	02.1	A5		CZ	1818	P -50 479
38		7.0T	41 37.659	0.0140	10	-50 48 27.61	0.490	08	0.43	37.065	14	07.5	49.62	14	05.1	F8		GC	4469	C -51 887
39	9.5	8.6W	41 48.057	0.0028	07	-54 37 45.41	-0.024	07	0.18	48.025	15	38.5	45.13	18	38.5	K0		C9	1142	P -54 583
40	8.8	7.9W	41 50.008	0.0001	08	-52 24 18.91	0.018	08	0.19	50.006	15	38.5	19.11	18	38.5	G5		C9	1144	P -52 441
41	9.7	9.4W	41 58.981	0.0014	07	-54 51 38.06	0.015	07	0.18	58.965	15	38.5	38.23	18	38.5	F8		C9	1145	P -55 563
42		9.3T	42 5.122	-0.0036	18	-54 26 57.15	-0.159	13	0.75	5.279	22	06.6	49.61	21	02.7	G0		GC	4482	P -54 585
43	9.9	9.3W	42 28.826	0.0035	09	-59 10 19.63	0.037	09	0.14	28.814	14	46.5	19.76	14	46.5	G0		C0	937	P -59 287
44	10.2	9.5W	42 32.128	-0.0042	15	-52 12 13.28	0.029	15	0.24	32.176	15	38.5	13.62	18	38.5	G5		C9	1147	P -52 442
45	10.0	9.2W	42 34.550	0.0039	07	-54 13 42.06	0.006	07	0.18	34.505	15	38.5	42.12	18	38.5	K0		C9	1148	P -54 586
46	10.1E	9.4Z	42 42.251	-0.0014	12	-51 6 7.29	-0.041	12	0.81	42.312	63	05.0	5.46	57	05.0			CZ	1832	P -51 444
47	10.3E	9.6Z	42 47.388	-0.0007	12	-50 23 59.72	-0.009	12	0.71	47.419	45	03.5	59.32	45	03.5			CZ	1833	P -50 482
48	9.7	9.4W	42 52.541	0.0054	07	-55 3 33.27	0.047	07	0.18	52.479	15	38.5	33.82	18	38.5	F8		C9	1150	P -55 564
49	10.0	8.8W	42 54.122	0.0046	06	-56 46 44.17	0.055	06	0.14	54.106	14	46.5	44.36	14	46.5	K2		C0	939	P -57 567
50		7.2T	43 0.214	0.0062	10	-54 38 7.98	0.119	08	0.53	59.885	19	97.1	14.99	17	90.9	K0		GC	4504	P -54 588
51	9.9	9.1W	3 43 2.930	0.0003	08	-52 21 0.12	-0.035	08	0.19	2.926	15	38.5	59.72	18	38.5	G5		C9	1153	P -52 444
52		6.3T	43 17.210	0.0022	08	-54 25 50.68	0.069	06	0.45	17.092	17	95.5	54.99	15	87.2	K0		GC	4510K	P*-54 589
53	10.0	9.6W	43 22.623	-0.0002	07	-53 23 19.44	-0.011	07	0.18	22.626	15	38.5	19.32	18	38.5	F5		C9	1155	P -53 605
54	9.5	8.2W	43 29.144	-0.0018	07	-54 19 19.09	0.029	07	0.18	29.165	15	38.5	19.42	18	38.5	K0		C9	1156	P -54 591
55	9.2	8.0W	43 34.302	-0.0004	07	-52 14 10.22	-0.035	07	0.18	34.306	15	38.5	9.82	18	38.5	K2		C9	1159	P -52 446
56	9.9E	9.3H	43 37.495	0.0044	12	-51 28 20.12	0.033	12	0.81	37.296	63	05.0	21.60	57	05.0	G5		CZ	1841	P -51 446
57		7.7T	43 40.486	0.0043	14	-56 29 22.46	-0.024	11	0.66	40.264	21	03.2	21.20	19	98.3	K5		GC	4521	P -56 574
58		8.0T	43 43.567	0.0044	13	-56 48 53.69	0.098	10	0.55	43.365	18	07.4	58.16	17	04.2	K0		GC	4524	P -57 569
59	8.4E	7.7H	43 48.322	0.0023	12	-51 24 55.11	0.016	12	0.65	48.210	31	02.2	55.87	31	02.2	G5		CZ	1842	P -51 447
60	9.9	9.9W	43 55.280	-0.0043	15	-55 9 1.79	0.037	15	0.24	55.329	15	38.5	2.22	18	38.5	F5		C9	1160	P -55 566
61	9.7	9.6W	44 21.846	-0.0034	08	-52 30 10.37	-0.005	08	0.19	21.886	15	38.5	10.31	18	38.5	A3		C9	1164	P -52 449
62	10.5	9.6W	44 27.544	-0.0011	15	-51 55 2.02	-0.018	15	0.24	27.556	15	38.5	1.81	18	38.5	G8	O	C9	1165	P -52 450
63	10.1E	9.6H	44 36.145	0.0022	12	-50 31 46.56	0.040	12	0.70	36.047	45	05.0	48.38	45	05.0	G0		CZ	1852	P -50 484
64	10.0	9.7W	45 9.813	0.0015	07	-54 49 58.66	-0.036	07	0.19	9.795	15	38.0	58.23	18	38.0	F8		C9	1167	P -55 567
65	10.5E	9.6H	45 18.222	0.0005	12	-50 4 57.02	0.013	12	0.70	18.199	45	05.0	57.61	45	05.0	K0		CZ	1860	P -50 487
66	9.3E	9.3H	45 31.818	0.0016	12	-50 38 54.08	0.106	12	0.63	31.745	31	03.1	59.06	28	03.1	G5		CZ	1862	P -50 489
67	9.6E	9.2H	45 45.714	0.0051	12	-50 47 27.06	0.034	12	0.70	45.486	45	05.0	28.61	45	05.0	G0		CZ	1863	P -51 450
68	9.4	9.0W	45 53.633	-0.0071	07	-56 49 51.49	-0.100	07	0.14	53.656	14	46.7	51.16	14	46.7	G0		C0	947	P -57 572
69	10.0	9.7W	45 53.654	0.0473	07	-56 11 42.45	0.031	07	0.14	53.497	14	46.7	42.56	14	46.7	F8		C0	946	P -56 578
70		6.6T	45 54.554	-0.0041	16	-50 54 23.12	-0.066	12	0.74	54.751	22	02.1	19.68	21	97.6	K0		GC	4578	C -51 914
71		7.8T	46 1.092	0.0079	17	-50 13 4.68	0.022	13	0.78	0.707	17	01.5	5.82	18	98.9	K0		GC	4583	C -50 1149
72	9.7	10.2W	46 16.907	0.0004	13	-58 13 47.96	0.002	13	0.15	16.906	14	46.7	47.96	14	46.7	B9		C0	948	P -58 311
73		8.0T	46 38.878	0.0053	13	-57 46 57.91	0.013	11	0.57	38.627	18	08.5	58.52	18	02.9	K2		GC	4599	P -58 313
74	10.3	9.9W	46 45.669	0.0009	09	-57 50 46.39	-0.007	09	0.14	45.666	14	46.7	46.37	14	46.7	F8	O	C0	950	P -58 314
75		8.5T	46 46.111	0.0051	20	-53 54 16.33	0.015	13	0.79	45.888	22	06.1	17.04	19	01.0	K0		GC	4606	P -54 598
76	11.0E	10.0H	46 47.803	-0.0000	12	-50 36 2.63	0.014	12	0.70	47.805	45	05.0	3.28	45	05.0	K2		CZ	1877	P*-50 491
77	10.7E	9.6H	46 48.880	-0.0001	12	-50 35 54.61	0.005	12	0.70	48.887	45	05.0	54.85	45	05.0	K2		CZ	1878	P -50 491
78	9.5	8.2W	46 59.383	0.0019	06	-56 37 1.20	-0.010	06	0.14	59.376	14	46.7	1.16	14	46.7	K5		C0	952	P -56 582
79	9.4	8.9W	47 5.198	0.0007	06	-58 22 22.72	-0.108	06	0.14	5.196	14	46.7	22.36	14	46.7	G0		C0	953	P -58 315
80		7.0T	47 9.234	0.0039	13	-54 26 45.78	0.006	11	0.65	9.046	21	01.6	46.08	18	97.1	+++		GC	4615	P*-54 599
81	9.3E	9.3H	47 10.219	0.0021	12	-50 15 27.36	-0.043	12	0.70	10.123	45	05.0	25.43	45	05.0	F8		CZ	1880	P -50 494
82		8.3T	47 26.960	-0.0053	15	-53 20 1.02	0.006	12	0.69	29.209	21	03.0	1.31	19	98.5	G0		GC	4622	P -53 611
83		7.0T	47 37.552	0.0043	14	-55 9 6.84	0.036	12	0.68	37.325	19	01.8	8.72	17	97.4	K0		GC	4625	P -55 569
84	10.1	10.0W	47 39.555	-0.0051	15	-52 25 54.50	0.018	15	0.25	39.616	15	38.0	54.71	18	38.0	F2	O	C9	1176	P -52 454
85	10.5E	9.1Z	47 39.757	-0.0027	12	-51 34 40.43	0.015	12	0.65	39.886	31	02.3	41.14	31	02.3			CZ	1887	P -51 454
86	10.0	8.7W	47 39.807	-0.0028	13	-58 9 23.03	-0.019	13	0.15	39.816	14	46.7	22.96	14	46.7	K5		C0	955	P -58 316
87	9.7E	9.3H	47 42.632	0.0022	12	-50 11 36.94	-0.021	12	0.70	42.532	45	05.0	36.00	45	05.0	F5		CZ	1886	P -50 500
88	9.7	9.6W	47 51.439	0.0007	09	-57 7 20.38	0.024	09	0.14	51.436	14	46.7	20.46	14	46.7	G0		C0	956	P -57 577
89	10.3E	9.2H	47 59.562	0.0037	12	-50 33 51.63	0.015	12	0.62	59.391	28	03.2	52.35	26	03.2	K0		CZ	1891	P -50 501
90		7.7T	48 5.546	-0.0008	15	-53 23 36.56	-0.031	12	0.69	5.583	21	03.1	34.94	19	98.5	F2		GC	4635	P -53 614
91		7.3T	48 14.454	0.0054	16	-52 13 52.52	0.010	12	0.70	14.206	18	04.1	53.01	19	00.2	MB		GC	4639	P -52 456
92	10.4E	9.0Z	48 14.667	0.0001	12	-50 3 31.00	-0.001	12	0.63	14.661	31	03.3	30.96	28	03.3			CZ	1895	P -50 502
93	10.0	9.7W	48 20.157	-0.0002	15	-55 29 58.84	0.056	15	0.25	20.158	15	38.0	59.51	18	38.0	G0		C9	1179	P*-55 570
94	9.7	8.6W	48 31.821	0.0041	07	-56 17 54.88	-0.009	07	0.14	31.807	14	46.7	54.86	14	46.7	K2		C0	957	P -56 584
95	10.1	9.8W	48 52.010	-0.0021	09	-53 4 8.88	0.028	09	0.20	52.036	15	38.0	9.21	18	38.0	F9	O	C9	1182	P -53 616
96	9.9E	8.7H	49 10.580	-0.0002	12	-51 10 27.10	-0.046	12	0.63	10.587	31	03.0	24.95	28	03.0	G5		CZ	1903	P -51 456
97	10.3	8.8W	49 11.959	0.0019	07	-51 59 39.32	0.024	07	0.19	11.936	15	38.0	39.61	18	38.0	K5		C9	1184	P -52 458
98	10.2	9.2W	49 54.258	0.0036	13	-56 36 22.54	-0.024	13	0.15	54.246	14	46.7	22.46	14	46.7			C0	961	P -56 586
99	9.7	9.3W	49 57.513	0.0054	06	-55 37 55.07	0.028	06	0.18	57.447	15	38.0	55.42	18	38.0	F5		C9	1186	P -55 572
00	9.3	9.0W	50 22.477	0.0008	09	-58 43 19.60	0.080	09	0.14	22.474	14	46.7	19.86	14	46.7	F5		C0	963	P -58 320

233300			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 3H	
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1		7.6T	3 50 23.795	0.0007	13	-56 26 33.71	0.035	11	0.65	23.759	21	02.3	35.51	19	98.2	K0	GC	4678	P -56	587	
2	9.9	9.6W	50 24.362	-0.0098	09	-59 23 54.25	-0.087	09	0.14	24.394	14	46.7	53.96	14	46.7	G0	CD	965	P -59	292	
3	10.4	9.9W	50 25.513	-0.0009	08	-57 57 48.53	-0.040	08	0.14	25.516	14	46.7	48.26	14	46.7	G5	CD	966	P -58	319	
4	9.9	9.8W	50 34.436	0.0001	07	-53 4 5.10	-0.049	07	0.19	34.436	15	38.0	4.51	18	38.0	F5	C9	1187	P -53	621	
5	10.5		50 36.144	0.0115	09	-56 34 50.84	0.099	09	0.14	36.106	14	46.7	51.16	14	46.7	G5	CD	967	P -56	588	
6	9.2	9.5W	50 36.586	-0.0003	09	-56 48 1.29	0.021	09	0.14	36.586	14	46.7	1.36	14	46.7	A0	CD	968	P -57	586	
7	10.7	9.9W	50 57.637	-0.0018	09	-55 13 16.33	-0.002	09	0.20	57.658	15	38.0	16.31	18	38.0	G5	C9	1188	P -55	573	
8	11.0E	9.8Z	51 4.032	-0.0056	12	-50 38 3.55	0.071	12	0.63	4.297	31	03.1	6.90	28	03.1		CZ	1920	P -50	505	
9	9.6E	8.8M	51 12.298	0.0025	12	-50 5 16.89	0.028	12	0.70	12.184	45	05.0	18.15	45	05.0	K2	CZ	1921	P -50	507	
10	10.2E	9.5Z	51 29.986	-0.0028	12	-50 20 22.76	-0.022	12	0.70	30.111	45	05.0	21.78	45	05.0		CZ	1926	P -50	511	
11	10.3	9.5W	51 34.099	0.0012	09	-53 3 23.85	-0.003	09	0.20	34.085	15	38.0	23.81	18	38.0	G5	C9	1192	P -53	625	
12	10.2E	9.8Z	51 44.042	0.0008	12	-50 13 16.67	-0.010	12	0.70	44.005	45	05.0	16.23	45	05.0		CZ	1927	P -50	512	
13	8.6	8.8W	51 46.102	0.0014	07	-54 15 11.89	-0.014	07	0.19	46.085	15	38.0	11.72	18	38.0	A0	C9	1195	P -54	603	
14		8.0T	52 9.875	0.0005	11	-54 59 50.25	0.003	10	0.53	9.852	18	05.3	50.38	17	98.0	B5	GC	4717	P -55	577	
15		8.0T	52 26.883	0.0024	17	-56 33 33.89	0.054	12	0.73	26.764	22	04.8	36.55	19	00.4	K0	GC	4723	P -56	591	
16	9.6	9.5W	52 41.328	0.0017	13	-59 33 46.04	0.007	13	0.15	41.323	14	46.7	46.06	14	46.7	F0	CD	972	P -59	293	
17	9.9	8.6W	52 43.002	0.0045	06	-57 13 52.95	0.035	06	0.14	42.987	14	46.7	53.06	14	46.7	K5	CD	973	P -57	591	
18	10.1	9.2W	53 10.987	0.0002	13	-58 22 54.84	0.006	13	0.15	10.986	14	46.7	54.86	14	46.7	K2	CD	975	P -58	323	
19	9.4	9.1W	53 11.722	-0.0019	07	-54 40 45.38	0.013	07	0.19	11.745	15	38.0	45.53	18	38.0	F5	C9	1199	P -54	605	
20	10.0E	9.8M	53 14.531	-0.0031	12	-50 10 47.55	-0.026	12	0.63	14.676	31	03.2	46.34	28	03.2	F5	CZ	1937	P -50	515	
21		6.4T	53 15.004	0.0026	08	-52 50 7.76	-0.039	06	0.33	14.687	09	05.0	5.85	09	01.4	A2	GC	4735K	P -53	628	
22	9.7E	8.7M	53 33.854	-0.0002	12	-50 52 40.80	-0.041	12	0.65	33.861	31	02.2	42.77	31	02.2	G0	CZ	1940	P -51	460	
23	9.0	8.5W	53 38.212	-0.0044	07	-54 35 53.91	-0.015	07	0.19	38.265	15	38.0	33.73	18	38.0	G0	C9	1201	P -54	607	
24	9.7	8.9W	53 40.582	0.0019	07	-58 5 6.11	0.016	07	0.14	40.576	14	46.7	6.16	14	46.7	K0	CD	978	P -58	325	
25	9.6	9.1W	53 44.928	-0.0024	07	-57 52 11.35	-0.027	07	0.14	44.936	14	46.7	11.26	14	46.7	G5	CD	980	P -58	326	
26	9.5	7.9W	53 44.970	0.0004	07	-53 19 3.77	-0.030	07	0.19	44.965	15	38.0	3.41	18	38.0	K2	C9	1202	P -53	629	
27	9.5	8.7W	53 51.211	0.0020	07	-58 32 4.90	-0.010	07	0.14	51.204	14	46.7	4.86	14	46.7	K0	CD	981	P -58	328	
28	9.8	8.8W	53 52.375	0.0026	11	-58 20 58.30	-0.011	11	0.14	52.366	14	46.7	58.26	14	46.7	K2	CD	982	P -58	327	
29	9.8	9.3W	53 57.656	-0.0001	11	-56 26 28.06	-0.034	11	0.14	57.657	14	46.7	27.95	14	46.7	G0	CD	983	P -56	595	
30		8.3T	54 19.175	0.0001	16	-51 56 39.17	0.017	12	0.71	19.170	21	04.0	40.04	19	98.4	A5	GC	4754	P -52	465	
31		7.8T	54 28.253	0.0024	16	-52 23 32.43	-0.000	12	0.72	28.141	21	03.6	32.43	19	99.5	A0	GC	4758	P -52	466	
32	10.1	9.6W	54 29.703	-0.0002	15	-54 46 58.07	-0.045	15	0.25	29.705	15	38.0	57.53	18	38.0	G0	C9	1206	P -55	582	
33	10.0	9.3W	55 6.170	0.0271	06	-53 4 40.97	0.237	06	0.18	5.845	15	38.0	43.81	18	38.0	G5	C9	1207	P -53	630	
34	8.8	8.7W	55 27.100	-0.0020	07	-56 28 6.82	0.011	07	0.14	27.107	14	46.7	6.86	14	46.7	A5	CD	987	P -56	597	
35	9.7	8.4W	55 38.426	0.0006	07	-58 37 51.92	-0.019	07	0.14	38.424	14	46.7	51.86	14	46.7	K5	CD	988	P -58	330	
36	10.0	8.7W	55 47.259	0.0012	07	-53 23 2.03	0.007	07	0.19	47.246	15	38.0	2.11	18	38.0	K5	C9	1208	P -53	633	
37	9.2	8.1W	55 54.248	0.0011	05	-52 53 26.33	0.015	05	0.18	54.236	15	38.0	26.51	18	38.0	K0	C9	1209	P -53	634	
38	9.5	9.2W	56 15.013	0.0023	11	-57 34 22.70	0.049	11	0.14	15.006	14	46.7	22.86	14	46.7	F9	CD	990	P -57	600	
39	10.2	10.1W	56 18.884	-0.0007	11	-57 8 22.04	-0.023	11	0.14	18.886	14	46.7	21.96	14	46.7	F6	CD	992	P -57	601	
40	8.7	8.6W	56 20.667	-0.0040	07	-54 29 58.85	-0.019	07	0.19	20.715	15	38.0	58.62	18	38.0	F2	C9	1213	P -54	611	
41	8.5	8.4W	56 37.942	0.0015	06	-56 23 33.80	0.017	06	0.14	37.937	14	46.7	33.85	14	46.7	F0	CD	993	P -56	599	
42		8.8T	56 49.105	0.0017	17	-56 54 22.90	0.067	13	0.66	49.033	19	09.2	25.70	19	08.0	F8	GC	4788	P -57	602	
43	9.5	8.4W	57 12.418	0.0004	06	-56 54 1.42	-0.018	06	0.14	12.416	14	46.7	1.36	14	46.7	K2	CD	995	P -57	603	
44		9.2T	57 21.716	0.0041	13	-57 1 14.71	0.050	12	0.57	21.535	19	07.1	16.90	19	05.9	F0	GC	4793	P -57	605	
45	10.0E	9.3H	57 29.070	0.0033	12	-51 19 2.52	0.036	12	0.81	28.923	63	05.0	4.16	57	05.0	G	CZ	1979	P -51	471	
46	8.8E	8.0H	57 31.519	-0.0002	12	-51 13 53.68	0.007	12	0.65	31.527	31	02.4	54.03	31	02.4	G5	CZ	1980	P -51	472	
47		6.1H	57 38.304	0.0036	04	-57 14 37.31	0.009	03	0.13	38.199	07	20.7	37.58	07	18.8	F2	F4	1109	P -57	606	
48	9.7	9.4W	57 49.175	-0.0000	15	-54 58 56.69	0.112	15	0.25	49.175	15	38.0	58.03	18	38.0	G0	C9	1218	P -55	589	
49	10.4E	9.8H	58 30.565	-0.0025	12	-50 28 15.49	0.008	12	0.64	30.682	31	03.0	15.88	28	03.0	G5	CZ	1986	P -50	520	
50		7.0T	58 31.006	0.0048	10	-56 36 48.69	0.048	07	0.51	30.718	21	98.8	51.54	18	90.1	A0	GC	4819	P -56	607	
51		7.9T	3 58 40.469	0.0005	16	-54 18 5.43	0.052	12	0.72	40.447	18	02.8	8.03	19	99.6	F2	GC	4823	P -54	614	
52	10.9	9.7W	58 42.163	-0.0002	09	-58 48 53.03	-0.050	09	0.14	42.164	14	46.7	52.86	14	46.7	K0	CD	1003	P -59	296	
53	10.4E	9.3H	58 42.815	-0.0005	12	-50 20 46.42	0.018	12	0.70	42.836	45	05.0	47.24	45	05.0	K5	CZ	1989	P -50	522	
54		6.4T	58 54.878	0.0024	16	-51 42 16.85	0.018	12	0.74	54.762	19	01.8	17.78	18	97.8	M0	GC	4826	C -51	975	
55	9.8	9.7W	59 1.913	-0.0014	13	-56 12 12.06	-0.003	13	0.15	1.917	14	46.7	12.06	14	46.7	G0	CD	1005	P -56	609	
56	9.3E	9.3H	59 9.873	0.0176	12	-51 28 1.48	-0.029	12	0.81	9.078	63	05.0	0.17	57	05.0	G0	CZ	1991	P -51	482	
57	9.6	8.5W	59 20.461	-0.0013	13	-52 18 32.63	-0.018	13	0.23	20.476	15	38.0	32.41	18	38.0	K0	C9	1225	P -52	485	
58	10.1	9.1W	59 35.559	0.0009	11	-56 48 30.39	0.020	11	0.14	35.556	14	46.7	30.46	14	46.7	K2	CD	1008	P -57	611	
59		9.0Q	59 38.976	0.0014	18	-54 27 47.90	0.012	13	0.74	38.917	22	06.8	48.43	21	04.5	F0	GC	4838K	P*-54	616	
60	9.9	9.6W	59 43.184	-0.0007	07	-56 31 3.03	-0.082	07	0.14	43.186	14	46.7	2.76	14	46.7	G5	CD	1009	P -56	613	
61	9.7	9.4W	59 45.561	0.0022	11	-59 10 23.23	0.041	11	0.14	45.554	14	46.7	23.36	14	46.7	F0	CD	1010	P -59	299	
62		7.2T	59 46.345	0.0010	11	-58 48 3.39	0.009	09	0.52	46.296	18	04.6	3.84	17	99.8	A0	GC	4843	P -59	298	
63		7.5T	59 46.540	-0.0023	13	-54 31 51.87	0.026	11	0.62	46.648	21	02.6	53.20	19	98.0	A2	GC	4844	P -54	617	
64		8.5Q	59 51.123	0.0016	13	-54 32 41.07	0.007	10	0.56	51.056	18	08.3	41.39	19	01.3	A2	GC	4845K	P*-54	618	
65	9.4	8.5W	4 0 0.490	0.0003	06	-52 9 24.56	-0.021	06	0.18	0.486	15	38.0	24.31	18	38.0	K0	C9	1234	P -52	489	
66	9.9E	8.8H	0 7.708	0.0015	12	-51 5 50.44	0.027	12	0.65	7.634	31	02.3	51.74	31	02.3	G5	CZ	2006	P -51	485	
67		8.2T	0 8.406	-0.0027	20	-50 38 41.47	-0.014	09	0.75	8.529	24	04.7	40.70	21	93.6	K0	GC	4854	C -50	1242	
68	9.1	9.5W	0 8.850	0.0008	11	-56 27 52.37	-0.005	11	0.14	8.847	14	46.7	52.35	14	46.7	A0	CD	1014	P -56	615	
69		8.0T	0 33.475	0.0028	11	-50 38 47.92	0.012	11	0.60	33.334	19	99.5	48.56	18	97.8	F0	GC	4864	C -50	1245	
70	9.9	9.6W	0 38.744	0.0024	07	-53 40 52.23	0.016	07	0.19	38.715	15	38.0	52.42	18	38.0	F5	C9	1236	P -53	646	
71		8.1T	0 39.420	0.0471	16	-57 21 2.11	0.417	12	0.65	37.197	19	06.6	21.77	18	02.8	F5	GC	4867	P -57	612	
72	10.4	9.6W	0 41.606	-0.0003	13	-56 6 31.48	0.023	13	0.15	41.607	14	46.7	31.55	14	46.7	G8	CD	1016	P -56	616	
73	9.7	8.8W	0 56.285	0.0017	07	-53 45 25.69	0.019	07	0.19	56.265	15	38.0	25.92	18	38.0	K0	C9	1238	P -53	647	
74	10.0	8.6W	1 25.500	-0.0004	07	-54 53 7.65	-0.010	07	0.19	25.505	15	38.0	7.53	18	38.0	K5	C9	1239	P -55	594	
75		7.5T	1 43.181	-0.0017	17	-51 47 1.85	0.031	13	0.77	43.262	18	02.0	3.43	17	98.7	K0	GC	4896	C -51	996	
76		8.6T	1 47.463	0.0045	13	-57 35 45.44	0.037	11	0.61	47.232	19	03.1	47.34	18	98.8	F0	GC	4899	P -57	614	
77	9.9	8.5W	1 50.259	0.0026	06	-55 44 17.66	-0.046	06	0.18	50.228	15	38.0	17.11	18	38.0	K5	C9	1240	P -55	596	
78		8.7T	1 58.935	0.0085	14	-59 40 15.39	0.025	12	0.61	58.554	19	06.7	16.50	18	05.0	K5	GC	4904	P -59	304	
79		8.0T	1 59.552	0.0061	14	-59 42 58.16	0.022	11	0.61	59.262	19	05.8	59.19	18	02.3	F2	GC	4906K	P*-59	305	
80		8.3T	2 10.372	0.0001	15	-52 38 31.57	-0.004	12	0.69	10.367	21	03.9	31.35	19	00.1	F0	GC	4911	P -52	491	
81	9.5E	8.5Z	2 14.160	0.0027	12	-50 22 17.96	0.005	12	0.64	14.034	31	03.0	18.18	28	03.0	K0	CZ	2028	P -50	535	
82	8.7	8.9W	2 14.649	0.0011	06	-52 20 1.58	0.019	06	0.18	14.636	15	38.0	1.81	18	38.0	B9	C9	1242	P -52	492	
83	8.6	8.0W	2 19.105	-0.0068	06	-52 3 53.49	-0.157	06	0.18	19.186	15	38.0	51.61	18	38.0	G0	C9	1243	P -52	493	
84		7.5T	2 23.739	0.0051	13	-53 3 55.02	-0.005	11	0.64	23.493	19	01.7	54.73	18	97.1	F0	GC	4916	P -53	649	
85	9.6	9.5W	2 40.826	0.0086	13	-56 9 6.15	0.030	13	0.15	40.797	14	46.7	6.25	14	46.7	F8	CD	1025	P -56	621	
86		7.7T	2 44.183	0.0022	17	-55 32 7.40	0.007	12	0.71	44.075	21	05.9	7.73	19	01.0	A2	GC	4923	P -55	598	
87	10.3E	9.5Z	3 9.058	-0.0005	12	-50 41 52.96	0.010	12	0.70	9.080	45	05.0	53.39	45	05.0	K0	CZ	2035	P -50	539	
88	10.2	10.0W	3 15.650	0.0004	15	-54 23 35.79	0.011	15	0.25	15.645	15	38.0	35.92	18	38.0	G0	C9	1247	P -54	622	
89		7.9T	3 16.106	0.0055	10	-59 5 20.98	0.056	08	0.52	15.800	19	00.3	24.10	17	94.2	K2	GC	4930	P -59	308	
90	10.0	8.9W	3 20.947	0.0029	07	-55 55 56.24	0.005	07	0.14	20.937	14	46.7	56.25	14	46.7	K2	CD	1030	P -56	624	
91	9.5	8.6W	3 24.325	0.0024	07	-56 17 5.36	0.029	07	0.14	24.317	14	46.7	5.45	14	46.7	K0	CD	1031	P -56	625	
92	9.7	9.7W	3 29.959	-0.0024	13	-57 17 39.37	-0.032	13	0.15	29.966	14	46.7	39.26	14	46.7	A2	CD	1032	P -57	617	
93	10.2	9.3W	3 46.111	0.0014	09	-57 22 13.10	-0.010	09	0.14	46.107	14	46.7	13.06	14	46.7	K0	CD	1033	P -57	618	
94	9.7	9.4W	3 51.043	-0.0008	11	-58 18 45.21	0.016	11	0.14	51.046	14	46.7	45.26	14	46.7	F5	CD	1034	P -58	340	
95		7.5T	4 0.034	0.0100	14	-51 30 28.26	0.093	12	0.65	-59.583	15	05.0	32.80	18	01.1	G5	GC	4945	C -51	1008	
96		8.0T	4 33.280	-0.0005	12	-58 36 46.34	0.008	11	0.60	33.307	19	02.6	46.75	18	98.7	A2	GC	4954	P -58	344	
97	10.3	9.4W	4 38.114	0.0021	07	-56 12 7.74	0.004	07	0.14	38.107	14	46.7	7.76	14	46.7	K0	CD	1037	P -56	626	
98	9.9	9.0W	5 8.623	0.0020	13	-55 22 39.00	0.017	13	0.23	8.598	15	38.0	39.21	18	38.0	K0	C9	1251	P -55	602	
99	9.3	8.4W	5 23.850	-0.0004	07	-53 6 41.45	0.005	07	0.19	23.855	15	38.0	41.51	18	38.0	K0	C9	1252	P -53	652	
00	8.8	8.9W	5 32.439	0.0008	07	-56 42 30.88	0.025	07	0.14	32.436	14	46.7	30.96	14	46.7	A5	CD	1041	P -56	628	

233400 — EPOCH 1950 — ORIGINAL EPOCH — -50° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.5	8.6W	4 6 11.668	0.0161	07	-52 42 0.44	-0.219	07	0.19	11.476	15	38.0	-57.81	18	38.0	K0		C9	1256	P -52 497
2	10.2E	9.0Z	6 18.418	-0.0008	12	-50 14 21.67	-0.002	12	0.70	18.454	45	05.0	21.56	45	05.0	G5		CZ	2062	P -50 545
3	10.2E	9.5Z	6 24.135	0.0020	12	-50 24 24.12	-0.004	12	0.70	24.045	45	05.0	23.92	45	05.0	F5		CZ	2066	P -50 546
4	10.5	10.2W	6 26.194	-0.0007	11	-57 10 44.73	0.041	11	0.14	26.196	14	46.7	44.86	14	46.7	F8	O	C0	1043	P -57 622
5	8.9	8.5W	6 29.507	-0.0349	06	-59 51 44.72	0.013	06	0.14	29.623	14	46.7	44.76	14	46.7	F5		C0	1044	P -60 293
6	9.1E	7.5Z	6 35.014	-0.0007	12	-50 18 26.20	0.010	12	0.70	35.046	45	05.0	26.63	45	05.0	K5		CZ	2069	P -50 548
7	10.0E	8.5Z	6 38.785	-0.0005	12	-50 38 25.64	-0.007	12	0.62	38.807	28	03.1	25.29	26	03.1	K2		CZ	2070	P -50 549
8		7.8T	6 55.650	0.0035	14	-58 39 30.59	0.022	12	0.62	55.480	19	08.0	31.66	19	01.2	K2		GC	5004	P -58 346
9	10.0E	9.3*	7 2.980	0.0013	12	-51 28 47.55	0.037	12	0.65	2.918	31	02.4	49.32	31	02.4	G5		CZ	2075	P -51 502
10	10.0	9.6W	7 12.589	-0.0030	15	-52 57 58.90	0.026	15	0.25	12.626	15	38.0	59.21	18	38.0	F8		C9	1260	P -53 655
11	10.1E	9.4*	7 19.824	-0.0009	12	-50 20 42.34	0.015	12	0.61	19.866	28	03.7	43.01	26	03.7	A2		CZ	2078	P -50 550
12	9.3	9.0W	7 29.419	-0.0005	07	-54 46 8.43	0.050	07	0.19	29.425	15	38.0	9.03	18	38.0	F8		C9	1261	P -54 629
13	10.2	9.5W	7 30.330	-0.0050	11	-57 29 20.87	-0.185	11	0.14	30.347	14	46.7	20.26	14	46.7	K0		C0	1048	P -57 624
14	9.6	8.8W	7 40.944	0.0053	07	-56 41 5.48	-0.005	07	0.14	40.926	14	46.7	5.46	14	46.7	K0		C0	1049	P -56 634
15	10.6	9.5W	7 43.097	-0.0108	09	-59 39 20.99	-0.158	09	0.14	43.133	14	46.7	20.46	14	46.7	M0	O	C0	1050	P*-59 314
16	9.3	9.5W	7 48.591	0.0022	11	-58 37 5.17	0.028	11	0.14	48.584	14	46.7	5.26	14	46.7	A0		C0	1051	P -58 347
17	10.8	9.8W	8 9.121	0.0012	09	-56 9 36.70	0.017	09	0.14	9.117	14	46.7	36.75	14	46.7	G8	O	C0	1053	P -56 636
18	10.0E	9.4Z	8 18.841	0.0018	12	-50 4 51.47	0.013	12	0.70	18.760	45	05.0	52.07	45	05.0	F5		CZ	2089	P -50 552
19	10.3	9.4W	8 25.404	-0.0006	07	-57 46 47.56	0.000	07	0.14	25.406	14	46.7	47.56	14	46.7	K0		C0	1054	P -57 625
20	9.6	9.3W	8 36.053	0.0029	11	-58 42 18.85	0.004	11	0.14	36.044	14	46.7	18.86	14	46.7	F5		C0	1056	P -58 349
21	9.9	9.8W	8 38.879	0.0003	13	-52 57 34.16	-0.004	13	0.23	38.875	15	38.0	34.11	18	38.0	F5		C9	1271	P -53 657
22	10.4	9.6W	9 1.400	0.0029	09	-54 54 54.08	0.046	09	0.20	1.365	15	38.0	54.63	18	38.0	G6	O	C9	1274	P -55 607
23	9.8	9.6W	9 17.865	-0.0017	13	-53 42 50.46	0.022	13	0.23	17.885	15	38.0	50.72	18	38.0	F8		C9	1276	P -53 651
24	10.0	10.0W	9 22.072	0.0018	13	-57 54 40.04	0.007	13	0.15	22.065	14	46.7	40.07	14	46.7	A2		C0	1060	P -58 350
25	8.8	8.6W	9 57.076	0.0001	05	-54 10 3.32	-0.008	05	0.18	57.075	15	38.0	3.22	18	38.0	F2		C9	1279	P -54 633
26	10.5	9.7W	10 16.670	0.0102	09	-58 14 30.09	0.023	09	0.14	16.636	14	46.7	30.16	14	46.7	K0	O	C0	1063	P -58 351
27	10.6	9.5W	10 22.335	0.0025	07	-54 22 6.24	0.007	07	0.19	22.305	15	38.0	6.32	18	38.0	G8	O	C9	1280	P -54 634
28	9.6	8.5W	10 22.375	0.0007	15	-52 14 20.49	-0.023	15	0.25	22.366	15	38.0	20.21	18	38.0	K0		C9	1281	P -52 502
29	9.8	9.2W	10 32.050	0.0012	11	-57 4 28.58	-0.034	11	0.14	32.046	14	46.7	28.46	14	46.7	K0		C0	1064	P -57 628
30		8.1T	10 40.400	-0.0020	17	-52 33 2.51	0.029	13	0.74	40.493	18	03.7	3.93	19	00.3	F8		GC	5081	P -52 503
31		6.9T	10 45.509	-0.0012	14	-53 32 19.36	0.010	12	0.67	45.567	18	02.5	19.85	19	99.2	K0		GC	5084	P -53 664
32	8.3	8.1W	10 50.820	0.0079	07	-59 17 50.72	0.013	07	0.14	50.794	14	46.7	50.76	14	46.7	F5		C0	1065	P -59 318
33	9.1	8.7W	11 23.638	0.0067	07	-57 56 0.25	0.005	07	0.14	23.616	14	46.7	0.26	14	46.7	F8		C0	1069	P -58 353
34	9.7	9.5W	11 48.759	0.0012	07	-54 8 41.26	0.063	07	0.19	48.745	15	38.0	42.02	18	38.0	F5		C9	1288	P -54 638
35	10.7E	9.5*	11 57.531	0.0008	12	-50 15 29.47	0.001	12	0.63	57.494	31	03.3	29.54	28	03.3	G5		CZ	2117	P -50 563
36	9.9	9.6W	11 59.553	-0.0069	15	-52 1 41.82	-0.001	15	0.25	59.636	15	38.0	41.81	18	38.0	A5		C9	1289	P -52 505
37	10.2	9.2W	12 2.803	-0.0004	07	-55 37 15.54	-0.003	07	0.19	2.807	15	38.0	15.51	18	38.0	K0		C9	1290	P -55 613
38	9.8	8.6W	12 4.883	0.0019	07	-56 57 17.64	0.008	07	0.14	4.876	14	46.7	17.67	14	46.7	K0		C0	1072	P -57 630
39	10.5E	8.5Z	12 15.752	-0.0018	12	-50 42 41.99	0.004	12	0.63	15.835	31	03.2	42.15	28	03.2	MA		CZ	2123	P -50 565
40		7.4T	12 29.866	0.0025	17	-51 43 7.99	0.027	13	0.76	29.746	17	02.4	9.36	18	99.0	K0		GC	5124	C -51 1057
41		7.4T	12 41.717	0.0022	10	-58 8 51.77	0.045	07	0.47	41.595	18	01.8	54.25	17	94.9	A0		GC	5127	P -58 358
42	9.9	9.1W	12 43.199	0.0038	07	-57 2 22.39	0.021	07	0.14	43.186	14	46.7	22.46	14	46.7	K0		C0	1074	P -57 633
43	9.9E	8.0Z	13 1.431	0.0005	12	-50 32 53.19	0.025	12	0.70	1.407	45	05.0	54.30	45	05.0	MA		CZ	2135	P -50 566
44		7.7T	13 6.790	0.0021	14	-56 18 7.10	0.068	11	0.60	6.691	19	07.9	10.29	18	02.8	F5		GC	5141	P -56 647
45	9.7	8.8W	13 16.743	0.0098	07	-54 50 8.74	0.041	07	0.19	16.625	15	38.0	9.23	18	38.0	G5		C9	1295	P -55 616
46	10.4	9.2W	13 30.195	0.0017	07	-52 42 45.90	0.026	07	0.19	30.176	15	38.0	46.21	18	38.0	G5		C9	1297	P -52 508
47	9.0	8.8W	13 32.176	0.0002	07	-57 52 12.32	0.012	07	0.14	32.176	14	46.7	12.36	14	46.7	F5		C0	1076	P -58 359
48	9.3	8.9W	13 42.575	0.0003	06	-59 12 50.26	0.002	06	0.14	42.574	14	46.7	50.26	14	46.7	G5		C0	1077	P -59 321
49	10.4	9.0W	13 51.226	0.0026	07	-53 7 57.97	-0.021	07	0.19	51.196	15	38.0	57.71	18	38.0	MB		C9	1298	P -53 670
50	10.3E	9.6*	13 53.394	-0.0011	12	-50 57 32.16	0.006	12	0.65	53.446	31	02.3	32.43	31	02.3			CZ	2139	P -51 522
51	9.3	9.6W	4 14 1.924	-0.0027	08	-52 17 13.88	0.028	08	0.19	1.956	15	38.0	14.21	18	38.0	B9		C9	1299	P -52 509
52	10.0	10.1W	14 4.249	-0.0006	08	-51 51 51.73	0.023	08	0.19	4.256	15	38.0	52.01	18	38.0	A0		C9	1300	P -52 510
53	10.4	8.9W	14 9.003	0.0040	09	-54 59 16.89	0.037	09	0.20	8.955	15	38.0	17.33	18	38.0	K2		C9	1301	P -55 618
54	8.9	8.1W	14 12.671	0.0097	08	-53 43 34.15	0.039	08	0.19	12.555	15	38.0	34.62	18	38.0	G5		C9	1303	P -53 671
55	9.2	8.8W	14 38.476	0.0029	11	-56 38 39.03	-0.111	11	0.14	38.466	14	46.7	38.66	14	46.7	F5		C0	1081	P -56 651
56		7.2T	14 39.333	0.0845	14	-53 26 16.55	0.419	12	0.66	35.388	21	03.3	37.90	19	99.0	K0		GC	5176	P -53 672
57		4.4H	14 42.867	0.0113	03	-51 36 42.99	0.189	02	0.11	42.475	06	15.2	49.96	06	13.2	F5		F4	157	C -51 1066
58	10.0	8.8W	14 45.187	0.0058	07	-55 46 7.82	-0.009	07	0.19	45.118	15	38.0	7.71	18	38.0	K0		C9	1306	P -55 620
59	10.1	10.2W	14 47.243	0.0059	13	-59 56 50.62	0.012	13	0.15	47.223	14	46.7	50.66	14	46.7	F0		C0	1082	P -60 301
60	9.7	9.6W	14 59.418	-0.0047	13	-54 8 14.09	-0.006	13	0.23	59.475	15	38.0	14.02	18	38.0	F2		C9	1308	P -54 644
61	10.6E	9.5*	15 9.889	-0.0009	12	-50 4 27.52	-0.066	12	0.63	9.932	31	03.3	24.46	28	03.3	G5		CZ	2152	P -50 569
62	9.3E	8.0Z	15 21.573	-0.0011	12	-51 43 25.30	-0.022	12	0.65	21.624	31	02.3	24.26	31	02.3	K0		CZ	2155	P -51 528
63		4.4T	15 36.943	-0.0067	04	-59 25 18.30	-0.162	04	0.23	37.273	10	04.6	10.32	10	00.8	K2		GC	5194	P*-59 324
64	10.4	9.5W	15 54.359	0.0028	09	-53 7 23.78	-0.006	09	0.20	54.325	15	38.0	23.71	18	38.0	G5	O	C9	1310	P -53 674
65	9.1	8.9W	16 3.904	0.0024	07	-53 38 38.64	0.007	07	0.19	3.875	15	38.0	38.72	18	38.0	F8		C9	1312	P -53 676
66	10.0	8.9W	16 20.335	-0.0025	12	-52 36 16.74	-0.019	12	0.22	20.365	15	38.0	16.51	18	38.0	K0		C9	1314	P -52 513
67	9.6	9.2W	16 22.929	-0.0016	11	-57 56 26.55	-0.022	11	0.15	22.935	14	46.1	26.46	14	46.1	F8		C0	1088	P -58 366
68	10.0	9.9W	16 44.832	-0.0008	09	-58 16 55.90	0.016	09	0.14	44.835	14	46.1	55.96	14	46.1	F8		C0	1089	P -58 368
69	9.4	7.9W	16 45.444	0.0022	06	-57 25 44.16	-0.001	06	0.14	45.436	14	46.1	44.16	14	46.1	K5		C0	1090	P -57 639
70	9.6	9.4W	16 52.421	-0.0023	15	-55 25 43.36	0.071	15	0.25	52.448	15	38.0	44.22	18	38.0	F5		C9	1316	P -55 626
71		7.8T	16 55.557	0.0000	13	-56 18 24.33	0.021	11	0.63	55.557	21	03.0	25.40	18	98.3	K0		GC	5224	P -56 656
72		7.7T	17 1.243	0.0070	11	-53 1 24.40	0.085	09	0.54	0.889	19	99.4	29.10	18	94.3	F5		GC	5229	P -53 678
73	10.0	8.9W	17 1.582	-0.0002	09	-58 41 22.56	0.000	09	0.14	1.583	14	46.1	22.56	14	46.1	K2		C0	1092	P -58 370
74	10.1	9.1W	17 5.524	-0.0005	11	-57 7 2.92	0.012	11	0.15	5.526	14	46.1	2.96	14	46.1	K5		C0	1093	P -57 640
75	10.2	9.8W	17 10.835	0.0075	07	-54 11 33.26	0.072	07	0.19	10.745	15	38.0	34.12	18	38.0	G0		C9	1318	P -54 646
76		6.0T	17 25.898	0.0059	07	-52 58 51.49	0.075	06	0.31	25.650	12	07.9	54.99	12	03.1	F5		GC	5245	P -53 679
77	10.2	9.2W	17 27.952	0.0039	09	-53 34 49.89	0.028	09	0.20	27.905	15	38.0	50.22	18	38.0	G5		C9	1320	P -53 681
78	9.3	8.3W	17 37.333	-0.0001	07	-58 32 12.58	-0.005	07	0.14	37.333	14	46.1	12.56	14	46.1	K2		C0	1094	P -58 371
79	9.5	8.3W	17 37.963	0.0057	07	-53 39 59.36	0.045	07	0.19	37.895	15	38.0	59.32	18	38.0	K0		C9	1321	P -53 683
80		7.2T	17 38.164	-0.0004	13	-54 15 17.93	0.049	11	0.65	38.185	19	01.6	20.49	18	97.3	A0		GC	5249	P -54 649
81		8.6T	17 48.108	0.0024	17	-53 3 52.35	-0.023	13	0.70	48.005	22	07.0	51.29	22	04.6	F2		GC	5254	P -53 685
82	10.2	9.9W	17 49.692	0.0011	15	-55 4 48.46	-0.122	15	0.25	49.678	15	38.0	49.91	18	38.0	G0		C9	1324	P -55 629
83	10.0E	9.1*	18 12.616	-0.0046	12	-50 44 0.41	-0.002	12	0.63	12.832	31	03.0	0.30	28	03.0	F5		CZ	2175	P -50 574
84	8.0	7.9W	18 17.658	0.0013	06	-58 51 56.73	0.034	06	0.14	17.653	14	46.1	56.86	14	46.1	A0		C0	1096	P -59 329
85	8.6E	8.5Z	18 19.504	0.0002	12	-51 4 33.86	0.045	12	0.81	19.494	63	05.0	35.86	57	05.0	F0		CZ	2176	P -51 531
86	9.0	8.2W	18 21.095	0.0047	07	-55 0 36.35	0.005	07	0.19	21.038	15	38.0	36.41	18	38.0	G5		C9	1326	P -55 631
87	9.9	8.4W	18 42.639	-0.0005	06	-53 4 32.28	0.003	06	0.18	42.645	15	38.0	32.31	18	38.0	K5		C9	1328	P -53 686
88	9.4	8.4W	19 0.957	0.0010	07	-54 48 37.26	0.006	07	0.19	0.945	15	38.0	37.33	18	38.0	G5		C9	1330	P -54 652
89		7.5T	19 37.029	0.0013	13	-51 9 42.94	0.017	11	0.61	36.970	17	04.0	43.84	15	98.1	G5		GC	5293	C -51 1096
90	10.4	9.5W	19 47.607	0.0018	07	-53 3 48.42	0.016	07	0.19	47.586	15	38.0	48.61	18	38.0	K0		C9	1333	P -53 688
91	10.2	10.0W	20 3.705	0.0025	13	-54 32 33.66	0.006	13	0.23	3.675	15	38.0	33.73	18	38.0	F8		C9	1334	P -54 655
92	10.2	8.5W	20 10.377	0.0034	07	-59 16 51.94	0.006	07	0.14	10.363	14	46.1	51.96	14	46.1	MA		C0	1099	P -59 336
93	9.5	9.4W	20 25.858	-0.0018	11	-57 39 30.88	0.020	11	0.15	25.865	14	46.1	30.96	14	46.1	F2		C0	1100	P -57 645
94	9.9E	9.0Z	20 28.667	-0.0009	12	-50 7 16.17	0.020	12	0.63	28.710	31	03.3	17.12	28	03.3	G0		CZ	2191	P -50 579
95	10.3	9.7W	20 41.937	0.0124	15	-55 58 2.74	0.122	15	0.25	41.788	15	38.0	4.21	18	38.0	G5	O	C9	1336	P -56 662
96	9.8	9.8W	20 53.145	0.0033	14	-59 48 32.87	0.022	14	0.15	53.132	14	46.0	32.96	14	46.0	F		C0	938	P -59 338
97	10.1	9.1W	21 3.772	0.0050	06	-59 56 36.04	-0.020	06	0.14	3.752	14	46.0	35.96	14	46.0	K2		C0	941	P -60 305
98	9.8	9.9W	21 5.899	0.0009	07	-57 5 56.24	0.006	07	0.14	5.896	14	46.1	56.26	14	46.1	A2		C0	1103	P -57 649
99		8.4T	21 28.392	0.0035	16	-55 12 43.71	0.037	12	0.71	28.216	22	04.6	45.54	19	00.2	G5		GC	5337	P -55 636
00	9.9	9.9W	21 48.085	0.0008	14	-53 39 0.41	0.001	14	0.24	48.075	15	38.0	0.42	18	38.0	A2		C9	1339	P -53 689

233500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 4H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.9E	9.0Z	4 22 6.951	0.0013	12	-51 8 29.53	-0.007	12	0.81	6.892	63	05.0	29.19	57	05.0	K0		CZ	2206	P -51 537
2	10.4	9.9W	22 29.839	-0.0013	15	-53 57 53.16	0.000	15	0.25	29.855	15	38.0	54.12	18	38.0	G		C9	1342	P* -54 658
3	10.4	9.5W	22 58.152	0.0003	15	-55 48 16.52	-0.034	15	0.25	58.147	15	38.0	16.11	18	38.0	G5	O	C9	1344	P -55 642
4		7.9T	23 8.175	0.0017	12	-57 22 0.73	0.015	10	0.52	8.098	17	08.7	1.40	17	04.7	A0		GC	5363	P -57 658
5		7.4Q	23 12.715	-0.0125	10	-57 11 4.58	-0.050	08	0.47	13.352	18	02.2	2.01	17	99.0			GC	5365K	P -57 659
6		7.1Q	23 13.456	-0.0122	09	-57 11 2.25	-0.075	07	0.44	14.116	18	01.7	58.18	15	95.9	G0		GC	5366K	P* -57 659
7		8.0T	23 16.270	0.0031	13	-55 56 51.90	0.022	11	0.57	16.117	18	08.2	52.97	18	00.5	K0		GC	5368	P -56 667
8		7.9T	23 31.817	-0.0077	16	-50 43 59.46	-0.139	12	0.72	32.189	17	01.8	52.16	18	97.4	G5		GC	5376	C -50 1385
9	10.2	9.9W	23 38.760	0.0013	11	-57 41 54.18	0.020	11	0.15	38.755	14	46.1	54.26	14	46.1	G0	O	C0	1110	P -57 660
10		8.2T	23 44.975	-0.0006	16	-51 1 8.29	0.045	13	0.76	45.005	22	02.1	10.65	21	98.0	F0		GC	5381	C -51 1119
11		8.2T	24 8.989	0.0005	16	-52 2 52.26	0.012	12	0.70	8.965	18	03.9	52.84	19	00.7	K0		GC	5390	P -52 521
12		6.9T	24 17.355	0.0037	15	-53 13 28.13	0.036	12	0.66	17.189	21	05.0	29.88	19	00.8	F0		GC	5395K	P* -53 698
13	10.1	10.1W	24 23.134	0.0013	15	-55 2 57.32	-0.000	15	0.25	23.118	15	38.0	57.32	18	38.0	F5	O	C9	1354	P -55 645
14	10.3	8.7W	24 23.529	0.0009	09	-57 51 32.13	0.008	09	0.14	23.525	14	46.1	32.16	14	46.1	K5		C0	1111	P -58 380
15	9.9E	9.0Z	24 28.133	0.0001	12	-50 20 16.40	0.049	12	0.70	28.129	45	05.0	18.63	45	05.0	G5		CZ	2232	P -50 589
16	10.0E	9.0Z	24 37.787	0.0005	12	-51 47 48.42	0.012	12	0.65	37.762	31	02.4	49.00	31	02.4	K0		CZ	2234	P -51 542
17	10.0	10.0W	24 43.993	-0.0009	13	-56 28 33.06	0.022	13	0.15	43.997	14	46.1	33.15	14	46.1	A3		C0	1112	P -56 670
18	9.9	8.9W	24 59.784	-0.0004	13	-56 38 15.65	-0.022	13	0.15	59.786	14	46.1	15.56	14	46.1	G5		C0	1113	P -56 672
19	10.0E	9.0*	25 9.186	-0.0031	12	-51 11 0.01	-0.031	12	0.63	9.330	31	03.3	58.54	28	03.3	F0		CZ	2238	P -51 544
20	9.2	9.0W	25 14.454	-0.0009	07	-54 21 45.92	0.025	07	0.19	14.465	15	38.0	46.22	18	38.0	F8		C9	1359	P -54 665
21	10.1E	9.3*	25 19.012	-0.0014	12	-50 2 51.15	0.018	12	0.62	19.077	28	03.5	52.00	26	03.5	A2		CZ	2241	P -50 591
22	8.5	8.3W	25 28.909	-0.0047	07	-53 48 56.81	0.059	07	0.19	28.965	15	38.0	57.52	18	38.0	F5		C9	1361	P -53 706
23		8.4T	25 31.163	0.0025	15	-55 19 13.94	0.022	11	0.68	31.032	21	03.5	15.06	19	98.2	M0		GC	5423	P -55 650
24	9.3	9.1W	25 31.996	-0.0024	07	-56 33 21.56	0.025	07	0.14	32.006	14	46.1	21.66	14	46.1	F0		C0	1114	P -56 674
25	9.9	9.5W	25 32.387	0.0024	13	-55 31 56.65	0.030	13	0.23	32.357	15	38.0	57.01	18	38.0	G0		C9	1363	P -55 651
26	9.7	9.8W	26 2.449	0.0006	13	-56 11 4.06	0.048	13	0.15	2.447	14	46.1	4.25	14	46.1	A0		C0	1117	P -56 676
27	10.0	9.9W	26 12.818	-0.0072	13	-56 15 59.34	0.002	13	0.15	12.847	14	46.1	59.35	14	46.1	F0		C0	1118	P -56 677
28		7.9T	26 13.285	0.0055	16	-53 30 53.33	-0.004	12	0.72	13.028	18	03.0	53.11	19	99.6	B9		GC	5446	P -53 708
29	8.9E	8.5Z	26 18.311	-0.0018	12	-51 24 20.96	-0.022	12	0.81	18.392	63	05.0	19.98	57	05.0	K0		CZ	2256	P -51 546
30	9.6	9.4W	26 27.575	0.0046	13	-56 0 55.45	0.001	13	0.15	27.556	14	46.1	55.45	14	46.1	F5		C0	1120	P* -56 679
31	9.8	9.5W	26 42.406	-0.0019	09	-59 29 2.55	-0.022	09	0.14	42.413	14	46.1	2.46	14	46.1	A3		C0	1121	P -59 346
32	9.1	8.3W	27 12.643	0.0032	07	-54 8 41.25	-0.011	07	0.19	12.605	15	38.0	41.12	18	38.0	G5		C9	1368	P -54 669
33	10.2E	9.7Z	27 51.379	-0.0029	12	-51 17 22.65	-0.017	12	0.81	51.509	63	05.0	23.40	57	05.0			CZ	2270	P -51 548
34	10.0E	9.0Z	27 51.463	-0.0128	12	-51 14 48.52	-0.022	12	0.65	52.076	31	02.0	47.44	31	02.0	K0		CZ	2271	P -51 549
35	10.2	10.2W	27 56.314	0.0047	11	-56 51 58.33	0.032	11	0.15	56.296	14	46.1	58.46	14	46.1	A5	O	C0	1125	P -57 663
36	10.0	9.0W	28 5.610	0.0054	07	-54 30 55.53	0.042	07	0.19	5.545	15	38.0	56.03	18	38.0	K0		C9	1372	P -54 671
37		7.9T	28 19.779	-0.0016	13	-57 17 44.57	-0.019	11	0.60	19.856	19	05.4	43.64	18	01.7	K0		GC	5497	P -57 664
38	10.3E	8.9*	28 34.819	0.0001	12	-50 42 34.45	0.009	12	0.63	34.814	31	03.3	34.85	28	03.3	F5		CZ	2283	P -50 598
39	10.2	10.2W	28 35.377	-0.0021	11	-57 41 38.97	0.024	11	0.15	35.385	14	46.1	39.06	14	46.1	F5	O	C0	1128	P -57 665
40		8.2T	28 38.978	0.0011	16	-53 5 31.19	-0.080	12	0.69	38.329	21	05.6	27.28	19	01.4	F2		GC	5511	P -53 711
41	9.0	8.1W	28 45.445	-0.0008	06	-54 2 15.98	-0.013	06	0.18	45.455	15	38.0	15.82	18	38.0	G5		C9	1375	P -54 674
42	10.2E	9.4Z	28 58.230	-0.0005	12	-51 1 50.23	-0.019	12	0.81	58.252	63	05.0	49.35	57	05.0	F0		CZ	2289	P -51 552
43	10.2	9.2W	29 5.055	0.0003	09	-59 1 54.10	-0.010	09	0.14	5.053	14	46.1	54.06	14	46.1	G5	O	C0	1129	P -59 351
44	9.9	8.7W	29 6.374	-0.0001	07	-53 33 42.71	0.026	07	0.19	6.375	15	38.0	43.02	18	38.0	K0		C9	1379	P -53 714
45	10.0	9.8W	29 37.362	0.0043	11	-58 17 11.16	0.024	11	0.15	37.345	14	46.1	11.26	14	46.1	A3		C0	1130	P -58 390
46	9.0	8.6W	29 51.426	0.0028	11	-57 33 24.35	0.055	11	0.15	51.415	14	46.1	24.56	14	46.1	F8		C0	1131	P -57 667
47	9.5	9.7W	30 8.119	-0.0026	07	-56 1 3.21	-0.011	07	0.14	8.129	14	46.1	3.17	14	46.1	A0		C0	1134	P -56 685
48	10.1E	9.4Z	30 8.434	0.0010	12	-50 46 15.41	0.101	12	0.70	8.390	45	05.0	19.94	45	05.0	G0		CZ	2302	P -50 601
49	10.1	9.1W	30 21.275	-0.0004	07	-58 35 14.97	-0.023	07	0.14	21.277	14	46.1	14.88	14	46.1	K0		C0	1135	P -58 393
50		6.9T	30 36.194	0.0016	09	-59 52 20.70	0.009	06	0.42	36.102	17	03.4	21.20	17	91.7	A5		GC	5549	P -60 314
51	8.9E	8.5Z	4 30 44.682	-0.0005	12	-50 3 12.36	0.011	12	0.63	44.703	31	03.1	12.85	28	03.1	F0		CZ	2309	P -50 603
52	9.3	8.5W	31 4.777	-0.0004	06	-57 16 1.93	0.011	06	0.14	4.779	14	46.1	1.98	14	46.1	G5		C0	1139	P -57 669
53	9.5	9.0W	31 9.396	-0.0000	11	-59 58 45.34	-0.015	11	0.15	9.396	14	46.1	45.28	14	46.1	G0		C0	981	P -60 315
54	10.0E	9.5Z	31 22.144	0.0011	12	-50 34 32.21	-0.019	12	0.61	22.095	28	03.7	31.31	26	03.7	G5		CZ	2316	P -50 606
55	10.5E	9.3*	31 26.596	-0.0038	12	-51 51 30.59	0.039	12	0.65	26.780	31	02.2	32.46	31	02.2	K0		CZ	2317	P -52 528
56	9.4	9.2W	31 27.503	-0.0018	07	-56 4 34.84	-0.017	07	0.14	27.510	14	46.1	34.77	14	46.1	F5		C0	1141	P -56 689
57	8.9	8.6W	31 29.623	0.0061	06	-56 19 53.75	0.083	06	0.14	29.600	14	46.1	54.07	14	46.1	F8		C0	1142	P -56 691
58	10.4	10.0W	31 33.855	0.0016	13	-57 11 49.79	0.022	13	0.15	33.849	14	46.1	49.88	14	46.1	F5	O	C0	1144	P -57 670
59		8.2T	31 40.296	-0.0013	15	-55 42 10.74	0.092	12	0.69	40.361	21	03.7	15.29	19	00.3	F0		GC	5573	P -55 662
60	9.2	8.7W	31 41.619	0.0083	06	-58 45 36.16	0.056	06	0.14	41.587	14	46.1	36.38	14	46.1	G0		C0	1146	P -58 396
61	10.0E	9.5Z	31 43.831	0.0003	12	-50 55 11.06	-0.001	12	0.81	43.816	63	05.0	11.00	57	05.0	A0		CZ	2318	P -51 556
62	10.7E	9.7*	32 27.434	0.0001	12	-51 7 11.93	0.056	12	0.67	27.427	36	02.4	14.57	36	02.4			CZ	2324	P -51 558
63	9.7	9.4W	32 47.755	-0.0051	15	-54 46 34.57	-0.015	15	0.25	47.816	15	38.0	34.39	18	38.0	F8		C9	1389	P -54 679
64		3.5H	32 54.798	0.0061	02	-55 8 51.78	0.001	02	0.09	54.583	05	15.0	51.80	05	12.5	AGF		F4	171	P -55 663
65		10.0W	33 3.654	0.0028	15	-55 9 5.00	0.120	15	0.25	3.620	15	38.0	6.44	18	38.0			C9	1391	P -55 664
66	9.5	9.1W	33 9.682	0.0060	07	-55 27 28.45	0.116	07	0.19	9.610	15	38.0	29.84	18	38.0	F5		C9	1392	P -55 665
67	9.7	9.0W	33 15.594	0.0073	07	-59 54 49.29	0.073	07	0.14	15.566	14	46.1	49.58	14	46.1	G0		C0	991	P -60 322
68	8.8	8.8W	33 16.762	0.0013	07	-52 29 25.94	0.019	07	0.19	16.746	15	38.0	26.17	18	38.0	A2		C9	1393	P -52 533
69	9.4	8.6W	33 18.059	-0.0024	11	-56 51 41.60	0.021	11	0.15	18.069	14	46.1	41.68	14	46.1	G5		C0	1150	P -57 674
70	10.2	9.5W	33 29.434	-0.0014	07	-55 57 10.65	0.005	07	0.14	29.439	14	46.1	10.67	14	46.1	G8	O	C0	1151	P -56 693
71	9.7	8.4W	33 40.284	-0.0011	11	-58 20 33.57	0.003	11	0.15	40.288	14	46.1	33.58	14	46.1	K2		C0	1152	P -58 401
72	9.2	8.1W	33 45.699	-0.0014	05	-52 48 52.76	0.001	05	0.18	45.716	15	38.0	52.77	18	38.0	K0		C9	1398	P -52 534
73	10.7E	9.4*	33 47.882	0.0001	12	-50 34 3.67	0.024	12	0.63	47.875	31	03.2	4.77	28	03.2	K0		CZ	2336	P -50 610
74	9.7	9.6W	33 48.856	-0.0006	13	-56 41 36.33	0.063	13	0.15	48.859	14	46.1	36.58	14	46.1		O	C0	1154	P* -56 696
75	10.2	10.0W	33 51.157	-0.0024	12	-58 41 53.64	-0.041	12	0.15	51.167	14	46.1	53.48	14	46.1	G		C0	1155	P -58 402
76	9.5	9.1W	33 51.530	0.0035	07	-58 42 43.62	0.040	07	0.14	51.517	14	46.1	43.78	14	46.1	G0		C0	1156	P -58 403
77	9.2	8.0W	33 54.692	0.0064	07	-59 15 13.96	0.030	07	0.14	54.667	14	46.1	14.08	14	46.1	K0		C0	1157	P -59 362
78	10.1	9.6W	34 2.431	0.0004	07	-52 30 37.60	-0.002	07	0.19	2.426	15	38.0	37.57	18	38.0	F5		C9	1402	P -52 536
79	10.1	9.2W	34 12.396	0.0016	13	-56 25 18.45	0.004	13	0.15	12.390	14	46.1	18.47	14	46.1	G8	O	C0	1160	P -56 698
80	9.8E	9.0Z	34 12.972	-0.0009	12	-51 4 48.15	0.012	12	0.81	13.015	63	05.0	48.71	57	05.0	K0		CZ	2338	P -51 564
81	9.8	9.5W	34 22.926	-0.0058	07	-52 54 24.51	0.047	07	0.19	22.996	15	38.0	25.07	18	38.0	F8		C9	1405	P -53 727
82		8.1T	34 23.062	0.0068	13	-54 59 35.07	0.061	11	0.59	22.764	18	06.1	38.10	17	00.4	G0		GC	5622	P -55 671
83	9.3	8.3W	34 26.422	-0.0003	08	-53 38 34.47	-0.007	08	0.19	26.426	15	38.0	34.38	18	38.0	K0		C9	1406	P -53 729
84	10.3	9.4W	34 27.734	0.0032	07	-54 57 22.30	0.033	07	0.19	27.696	15	38.0	22.69	18	38.0	G5	O	C9	1407	P -55 672
85	10.3	9.5W	34 41.388	0.0023	09	-57 0 38.78	0.001	09	0.14	41.379	14	46.1	38.78	14	46.1	G3	O	C0	1162	P -57 677
86	8.4	7.9W	34 45.057	0.0050	06	-57 31 38.37	0.054	06	0.14	45.038	14	46.1	38.58	14	46.1	F8		C0	1163	P -57 678
87	10.2	8.8W	34 50.553	0.0006	09	-53 20 57.38	-0.017	09	0.20	50.546	15	38.0	57.17	18	38.0	K0		C9	1411	P -53 732
88	10.7	9.4W	34 51.438	0.0010	09	-54 17 40.02	0.155	09	0.20	51.425	15	38.0	41.88	18	38.0	K2	O	C9	1412	P* -54 683
89	9.9	9.6W	34 52.425	0.0033	15	-51 55 1.90	0.048	15	0.25	52.386	15	38.0	2.47	18	38.0	F8		C9	1413	P -52 537
90	8.6	8.5W	35 24.917	0.0026	07	-54 43 17.69	0.017	07	0.19	24.886	15	38.0	17.89	18	38.0	A5		C9	1415	P -54 685
91	10.0	9.2W	35 44.825	0.0043	07	-57 38 39.55	0.009	07	0.14	44.808	14	46.1	39.58	14	46.1	G5	O	C0	1164	P -57 680
92		8.4T	35 46.245	0.0007	17	-51 56 23.45	-0.027	14	0.75	46.214	19	04.3	22.18	21	02.3	G0		GC	5654	P -52 539
93	10.5	9.4W	35 54.007	0.0026	15	-52 21 1.81	-0.011	15	0.25	53.976	15	38.0	1.67	18	38.0	G5		C9	1421	P -52 541
94	9.7	9.6W	35 55.638	-0.0001	13	-56 44 18.50	0.021	13	0.15	55.639	14	46.1	18.58	14	46.1	A3		C0	1165	P -56 702
95	9.4	8.2W	35 57.746	-0.0008	07	-57 2 17.72	0.014	07	0.14	57.749	14	46.1	17.78	14	46.1	K0		C0	1166	P -57 681
96	9.4	8.9W	36 2.387	0.0051	07	-54 57 41.39	0.017	07	0.19	2.326	15	38.0	41.59	18	38.0	G0		C9	1422	P -55 679
97	9.8	9.3W	36 22.814	0.0090	15	-54 45 21.14	0.096	15	0.25	22.705	15	38.0	22.29	18	38.0	F8		C9	1425	P -54 686
98	9.9	9.6W	36 30.489	-0.0039	13	-52 40 11.61	0.022	13	0.23	30.536	15	38.0	11.87	18	38.0	F5		C9	1427	P -52 543
99		8.6T	36 30.537	-0.0018	17	-52 9 12.51	-0.018	12	0.69	30.617	22	06.0	11.68	22	03.2	K2		GC	5668	P -52 542
00	9.8	9.6W	37 1.558	-0.0022	09	-58 32 23.40	-0.007	09	0.14	1.567	14	46.1	23.38	14	46.1	F5		C0	1167	P -58 409

233600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	-50° 4H DM NUMBER
1		6.6T	4 37 15.148	-0.0021	13	-58 18 7.38	0.028	10	0.58	15.253	19	04.6	8.79	18	99.5	G5	GC	5683	P -58 410
2	10.0E	8.8*	37 38.406	-0.0003	12	-51 32 50.88	0.012	12	0.63	38.422	31	03.2	51.45	28	03.2	G5	CZ	2371	P -51 571
3	9.4	8.3W	37 42.711	0.0005	06	-56 52 25.62	0.015	06	0.14	42.709	14	46.1	25.68	14	46.1	K0	C0	1169	P -57 684
4	9.8E	9.0Z	37 46.647	-0.0004	12	-50 34 33.80	-0.025	12	0.63	46.668	31	03.3	32.61	28	03.3	F0	CZ	2372	P -50 620
5		6.4T	37 49.823	0.0013	07	-51 46 11.95	0.020	05	0.27	49.775	10	12.5	12.84	10	06.7	K0	GC	5689	C -51 1207
6	10.0	8.8W	37 50.317	0.0028	11	-58 33 18.82	-0.010	11	0.15	50.307	14	46.1	18.78	14	46.1	K0	C0	1170	P -58 411
7	9.7	9.4W	37 54.152	0.0014	09	-58 54 40.93	-0.012	09	0.14	54.147	14	46.1	40.88	14	46.1	G0	C0	1171	P -59 368
8	9.7	9.4W	38 2.472	-0.0020	11	-56 15 46.39	-0.005	11	0.15	2.480	14	46.1	46.37	14	46.1	F5	C0	1172	P -56 704
9		7.2T	38 4.619	0.0034	14	-59 4 40.81	0.011	10	0.60	4.452	19	06.1	41.34	18	00.6	A2	GC	5693	P -59 369
10	9.4	8.4W	38 7.159	0.0019	07	-54 16 21.74	0.012	07	0.19	7.135	15	38.0	21.88	18	38.0	K0	C9	1430	P -54 689
11	10.7	9.7W	38 20.679	0.0019	09	-53 3 36.06	0.018	09	0.20	20.656	15	38.0	36.27	18	38.0	G5	C9	1433	P -53 736
12	10.3E	9.5Z	38 24.908	-0.0007	12	-51 45 18.41	0.016	12	0.81	24.942	63	05.0	19.14	57	05.0	G	CZ	2377	P -51 573
13	9.4	8.0W	38 28.018	-0.0002	06	-56 59 7.26	0.006	06	0.14	28.019	14	46.1	7.28	14	46.1	K2	C0	1174	P -57 685
14	11.1E	9.9*	38 41.574	-0.0022	12	-51 5 9.84	0.039	12	0.65	41.681	31	02.4	11.72	31	02.4		CZ	2382	P -51 575
15	10.2	9.8W	38 42.321	-0.0062	12	-53 15 1.99	0.032	12	0.22	42.396	15	38.0	2.37	18	38.0	F8	C9	1434	P -53 737
16	10.0	9.6W	39 0.624	-0.0010	07	-53 2 55.41	0.055	07	0.19	0.636	15	38.0	56.07	18	38.0	F5	C9	1436	P -53 738
17	10.1	9.8W	39 4.240	0.0037	15	-54 57 51.80	-0.017	15	0.25	4.195	15	38.0	51.59	18	38.0	F5	C9	1437	P -55 683
18	10.4	10.2W	39 12.113	0.0044	15	-55 10 34.84	0.017	15	0.25	12.060	15	38.0	35.04	18	38.0	F3	C9	1438	P -55 684
19	9.5	9.4W	39 18.611	0.0003	07	-56 17 17.49	-0.005	07	0.14	18.610	14	46.1	17.47	14	46.1	A3	C0	1176	P -56 706
20	10.5	9.4W	39 21.664	0.0023	09	-53 8 14.77	0.034	09	0.20	21.636	15	38.0	15.17	18	38.0	K0	C9	1440	P -53 739
21	10.6	9.3W	39 23.102	-0.0003	09	-54 3 1.48	0.034	09	0.20	23.105	15	38.0	1.88	18	38.0	K2	C9	1442	P -54 692
22		6.4T	39 28.604	0.0087	13	-59 2 29.44	0.189	11	0.57	28.200	19	05.6	38.24	17	03.4	G0	GC	5724K	P*-59 370
23	9.5	9.2W	39 38.284	-0.0018	13	-52 10 2.43	0.020	13	0.23	38.306	15	38.0	2.67	18	38.0	G0	C9	1445	P -52 552
24		7.7T	39 48.369	0.0051	16	-56 7 34.68	0.041	12	0.70	48.108	21	03.9	36.81	19	98.8	F0	GC	5729	P -56 707
25	9.7	9.6W	39 53.296	0.0017	07	-53 57 48.47	0.026	07	0.19	53.276	15	38.0	48.78	18	38.0	F0	C9	1448	P -54 694
26	9.7	9.2W	40 0.282	-0.0045	15	-54 47 17.08	0.051	15	0.25	0.336	15	38.0	17.69	18	38.0	F8	C9	1450	P -54 696
27		8.3T	40 8.660	-0.0035	16	-52 43 1.50	-0.209	12	0.72	8.824	21	03.4	50.96	19	99.6	F5	GC	5733	P -52 555
28	10.1	9.7W	40 15.364	-0.0064	09	-56 52 19.52	0.014	09	0.14	15.389	14	46.1	19.58	14	46.1	F5	C0	1179	P -57 688
29	10.9E	9.8*	40 15.759	-0.0004	12	-51 49 11.12	0.038	12	0.65	15.780	31	02.4	12.94	31	02.4		CZ	2400	P -51 579
30	8.4	8.1W	40 30.042	0.0005	08	-52 24 25.40	0.048	08	0.19	30.036	15	38.0	25.97	18	38.0	F0	C9	1455	P -52 557
31	9.1E	8.2Z	40 41.769	-0.0012	12	-50 36 44.95	0.028	12	0.70	41.821	45	05.0	46.19	45	05.0	G5	CZ	2405	P -50 624
32		8.4T	40 55.502	0.0011	17	-54 53 40.80	0.047	13	0.77	55.451	22	03.2	43.22	21	98.6	K0	GC	5753K	P -55 685
33	9.0	8.3W	41 1.230	0.0080	07	-58 6 50.95	-0.018	07	0.14	1.198	14	46.1	50.88	14	46.1	G5	C0	1184	P -58 414
34		8.1T	41 10.340	0.0048	15	-56 12 46.98	0.062	12	0.68	10.097	21	03.5	50.09	19	99.4	F5	GC	5758	P -56 713
35	9.4	8.5W	41 25.458	-0.0023	07	-52 15 25.84	-0.006	07	0.19	25.486	15	38.0	25.77	18	38.0	G0	C9	1459	P -52 560
36	10.2	9.7W	41 27.985	0.0067	13	-56 31 55.00	-0.030	13	0.15	27.959	14	46.1	54.88	14	46.1	F8	C0	1186	P -56 714
37	10.2	9.9W	41 28.654	0.0007	07	-52 12 20.85	0.002	07	0.19	28.646	15	38.0	20.87	18	38.0	F8	C9	1462	P -52 562
38		5.3T	41 29.347	-0.0045	06	-50 34 28.41	0.039	04	0.26	29.548	09	05.8	30.31	09	01.0	G5	GC	5764	C*-50 1471
39	10.3		41 37.597	0.0009	15	-52 4 45.43	0.012	15	0.25	37.586	15	38.0	45.57	18	38.0	A2	C9	1463	P -52 563
40	10.1	10.1W	41 39.033	0.0038	13	-56 47 7.96	-0.021	13	0.15	39.019	14	46.1	7.88	14	46.1	A	C0	1187	P -56 715
41	10.3	10.1W	41 39.859	0.0026	13	-56 47 47.16	0.057	13	0.15	39.849	14	46.1	47.38	14	46.1	A	C0	1188	P -56 716
42	9.1E	8.8Z	41 47.909	0.0025	12	-50 18 45.58	0.040	12	0.70	47.796	45	05.0	47.40	45	05.0	F8	CZ	2420	P -50 627
43	9.2	9.1W	41 58.597	0.0001	07	-54 48 28.28	0.043	07	0.19	58.595	15	38.0	28.79	18	38.0	G0	C9	1465	P -54 702
44		7.7T	42 8.393	0.0045	16	-54 40 58.38	-0.194	12	0.70	8.190	22	04.7	48.76	19	00.4	G5	GC	5777	P -54 703
45	10.2	9.9W	42 9.751	0.0004	15	-54 53 51.14	-0.004	15	0.25	9.746	15	38.0	51.09	18	38.0	F3	C9	1467	P -55 687
46		7.3T	42 18.228	0.0045	17	-52 38 17.58	-0.004	13	0.74	18.025	22	04.6	17.38	19	00.4	K0	GC	5784	P -52 564
47		6.7T	42 32.026	0.0053	10	-52 21 20.44	0.051	07	0.50	31.762	21	00.1	23.46	18	91.2	F0	GC	5789	P*-52 566
48	10.0	8.4W	42 37.383	0.0009	06	-56 27 54.82	0.013	06	0.14	37.380	14	46.1	54.87	14	46.1	K2	C0	1192	P -56 718
49	8.3	8.3W	42 37.926	0.0024	06	-58 52 53.02	0.016	06	0.14	37.917	14	46.1	53.08	14	46.1	A2	C0	1193	P -59 372
50	10.2	9.7W	42 45.461	0.0142	10	-59 46 46.40	0.097	10	0.15	45.406	14	46.1	46.78	14	46.1	G3	C0	1194	P -59 373
51		9.5T	4 42 48.264	-0.0019	18	-51 10 32.28	0.037	15	0.82	48.353	24	04.0	34.08	22	01.0	F5	GC	5793	C -51 1236
52	9.5	8.1W	42 48.491	0.0038	07	-58 38 51.13	0.011	07	0.14	48.476	14	46.1	51.18	14	46.1	K2	C0	1195	P -58 419
53		8.0T	43 5.497	-0.0000	15	-52 43 11.28	0.030	11	0.66	5.498	18	04.2	12.79	18	99.7	F0	GC	5797	P -52 567
54	9.9	10.0W	43 18.974	-0.0006	09	-59 23 13.22	0.015	09	0.14	18.977	14	46.1	13.28	14	46.1	A5	C0	1196	P -59 375
55	10.6E	9.6Z	43 19.698	-0.0001	12	-50 37 12.08	-0.017	12	0.65	19.701	36	05.0	11.34	36	05.0		CZ	2441	P -50 634
56	9.7E	9.0Z	43 20.431	-0.0002	12	-51 41 0.94	0.030	12	0.81	20.442	63	05.0	2.30	57	05.0	F5	CZ	2443	P -51 583
57	10.6E	9.8Z	43 21.548	0.0027	12	-50 39 31.74	0.051	12	0.65	21.429	36	05.0	34.06	36	05.0		CZ	2442	P -50 635
58	10.4	9.4W	43 23.376	-0.0008	09	-53 21 5.41	-0.003	09	0.20	23.386	15	38.0	5.37	18	38.0	G5	C9	1474	P -53 749
59	9.3	8.1W	43 24.429	0.0006	07	-58 44 27.37	0.001	07	0.14	24.427	14	46.1	27.38	14	46.1	K0	C0	1197	P -58 421
60	11.2E	10.2Z	43 30.621	-0.0009	12	-51 34 40.84	0.061	12	0.81	30.663	63	05.0	43.59	57	05.0	G0	CZ	2445	P -51 584
61	10.1E	8.8Z	43 30.893	-0.0028	12	-51 34 29.70	0.069	12	0.81	31.021	63	05.0	32.82	57	05.0	G0	CZ	2446	P -51 584
62	10.2	9.8W	43 32.622	0.0005	13	-56 22 44.99	0.021	13	0.15	32.620	14	46.1	45.07	14	46.1	F6	C0	1198	P -56 719
63	8.4E	8.0Z	43 33.147	-0.0066	12	-51 22 2.93	-0.078	12	0.65	33.462	31	02.0	-59.17	31	02.0	F5	CZ	2447	P -51 585
64		5.4T	43 35.688	0.0048	05	-59 49 26.51	0.041	04	0.23	35.463	09	06.3	28.42	07	02.8	A3	GC	5810	P*-59 376
65	10.2E	9.5Z	43 50.850	0.0008	12	-51 23 21.91	0.028	12	0.81	50.813	63	05.0	23.15	57	05.0		CZ	2451	P -51 586
66		7.8T	43 59.872	-0.0031	16	-56 23 2.74	-0.034	12	0.69	+ 0.025	22	05.4	1.05	19	00.8	K0	GC	5816	P -56 723
67	10.3	8.9W	44 15.673	0.0023	08	-52 4 9.92	-0.029	08	0.19	15.646	15	38.0	9.57	18	38.0	K5	C9	1478	P -52 570
68		7.8T	44 22.787	-0.0474	14	-50 9 33.83	-0.354	12	0.70	25.181	18	99.5	15.01	19	96.9	G5	GC	5824	C*-50 1492
69	10.2	9.7W	44 26.664	0.0023	13	-53 31 14.17	-0.032	13	0.23	26.635	15	38.0	13.78	18	38.0	F8	C9	1480	P -53 750
70	9.6	9.4W	44 26.753	-0.0019	07	-54 19 51.48	-0.000	07	0.19	26.775	15	38.0	51.48	18	38.0	F8	C9	1481	P*-54 707
71	9.8E	8.9H	44 41.771	0.0003	12	-50 42 34.59	0.019	12	0.64	41.754	31	03.0	35.51	28	03.0	G5	CZ	2462	P -50 638
72	8.6	8.8W	44 41.963	0.0019	07	-59 54 9.08	-0.001	07	0.14	41.956	14	46.1	9.08	14	46.1	A0	C0	1039	P -60 336
73	9.1	8.1W	44 54.326	0.0000	06	-51 59 33.40	0.006	06	0.18	54.326	15	38.0	33.47	18	38.0	K0	C9	1482	P -52 571
74	8.8	8.9W	44 57.475	-0.0009	06	-54 28 12.91	0.023	06	0.18	57.485	15	38.0	13.18	18	38.0	A0	C9	1483	P -54 710
75	9.8E	8.8Z	45 7.192	-0.0012	12	-51 8 42.53	0.002	12	0.81	7.244	63	05.0	42.60	57	05.0	G5	CZ	2467	P -51 589
76	8.8	8.5W	45 24.775	-0.0026	07	-54 57 30.21	-0.051	07	0.19	24.806	15	38.0	29.59	18	38.0	F5	C9	1486	P -55 691
77	10.3	8.9W	45 25.155	0.0024	09	-59 59 47.59	-0.004	09	0.14	25.146	14	46.1	47.58	14	46.1	K0	C0	1043	P -60 338
78	9.0E	8.8H	45 26.844	0.0020	12	-50 28 57.68	0.034	12	0.70	26.754	45	05.0	59.19	45	05.0	F5	CZ	2468	P -50 640
79			45 32.694	-0.0018	13	-52 6 44.17	-0.025	13	0.23	32.716	15	38.0	43.87	18	38.0	A3	C9	1487	P*-52 574
80		8.2T	45 57.295	0.0039	13	-55 52 4.95	0.046	11	0.57	57.105	18	07.4	7.17	18	01.2	K0	GC	5852	P -56 729
81	10.3	9.1W	46 0.449	0.0019	09	-52 46 6.91	0.014	09	0.20	0.426	15	38.0	7.07	18	38.0	G5	C9	1491	P -52 578
82		6.8T	46 19.379	0.0020	10	-59 13 28.74	0.026	08	0.51	19.269	19	00.2	30.17	18	94.6	K0	GC	5866	P -59 380
83	10.4	9.5W	46 20.860	0.0078	09	-53 12 0.24	-0.014	09	0.20	20.766	15	38.0	0.07	18	38.0	K0	C9	1492	P -53 755
84	9.6	9.2W	46 26.856	0.0018	07	-57 14 11.61	0.017	07	0.14	26.849	14	46.1	11.68	14	46.1	F0	C0	1208	P -57 696
85	9.9E	9.0Z	46 37.338	-0.0007	12	-51 10 48.73	0.024	12	0.81	37.372	63	05.0	49.83	57	05.0	F0	CZ	2479	P -51 591
86	9.2	9.1W	46 58.162	-0.0044	13	-56 5 40.68	0.021	13	0.15	58.179	14	46.1	40.77	14	46.1	F0	C0	1211	P -56 732
87	9.0	8.5W	46 58.279	0.0001	11	-58 26 56.18	0.051	11	0.15	58.278	14	46.1	56.38	14	46.1	G5	C0	1212	P -58 425
88	10.2E	9.2Z	46 59.373	-0.0002	12	-50 6 29.47	0.024	12	0.70	59.381	45	05.0	30.57	45	05.0	G5	CZ	2483	P -50 645
89	10.3	10.1W	47 10.735	0.0017	13	-57 51 49.48	0.024	13	0.15	10.728	14	46.1	49.58	14	46.1	F3	C0	1213	P -57 699
90		7.5T	47 15.107	0.0041	16	-56 54 13.61	-0.015	12	0.66	14.914	19	06.6	12.93	18	02.8	K2	GC	5877	P -57 698
91	10.2	9.8W	47 15.405	-0.0029	13	-58 49 12.37	0.079	13	0.15	15.416	14	46.1	12.68	14	46.1	G2	C0	1215	P -58 426
92	10.4E	9.2*	47 15.504	0.0032	12	-50 24 21.13	0.031	12	0.63	15.354	31	03.0	22.61	28	03.0	G0	CZ	2486	P -50 648
93	9.3	8.7W	47 19.696	0.0075	07	-52 43 3.54	0.203	07	0.19	19.606	15	38.0	5.97	18	38.0	G0	C9	1496	P -52 581
94		6.6T	48 7.853	-0.0022	15	-56 45 8.08	0.019	12	0.67	7.961	21	04.5	9.04	19	00.8	M0	GC	5902	P -56 734
95	10.7	10.0W	48 13.059	0.0031	09	-57 35 55.55	0.036	09	0.14	13.049	14	46.6	55.68	14	46.6	G5	C0	1220	P -57 703
96	8.8	8.7W	48 24.718	-0.0005	07	-57 11 9.16	0.035	07	0.14	24.720	14	46.6	9.28	14	46.6	F5	C0	1221	P -57 705
97		7.6T	48 29.977	0.0162	17	-53 58 11.44	0.233	12	0.73	29.243	22	04.8	22.98	19	00.5	G5	GC	5908K	P*-54 718
98	10.0	8.8W	48 40.329	-0.0022	13	-52 22 24.13	0.012	13	0.23	40.356	15	38.0	24.27	18	38.0	K0	C9	1502	P -52 584
99		7.0T	48 43.689	-0.0028	15	-54 32 20.39	-0.010	12	0.69	43.819	21	03.8	19.90	19	00.4	B8	GC	5915K	P -54 719
00	8.7E	8.7Z	48 45.913	-0.0007	12	-51 47 40.33	0.006	12	0.63	45.948	31	03.0	40.62	28	03.0	F2	CZ	2513D	P*-51 596

233700	EPOCH 1950											ORIGINAL EPOCH						SP.	SOURCE		-50° 4H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	9.0	8.8W	4 48 50.767	0.0001	07	-53 21 57.14	-0.014	07	0.19	50.766	15	38.0	56.97	18	38.0	F8	C9	1504	P -53 759		
2	9.6	9.1W	48 57.636	0.0025	13	-52 29 56.63	0.062	13	0.23	57.606	15	38.0	57.37	18	38.0	G5	C9	1505	P -52 585		
3	10.2	9.3W	49 5.614	-0.0047	15	-55 5 58.87	0.073	15	0.25	5.670	15	38.0	59.75	18	38.0	G6 O	C9	1508	P -55 694		
4	8.6E	7.5Z	49 9.044	0.0014	12	-51 8 23.40	-0.039	12	0.63	8.976	31	03.0	21.54	28	03.0	F8	CZ	2518	P -51 598		
5	9.3	9.0W	49 18.331	-0.0023	09	-57 48 58.63	0.016	09	0.14	18.339	14	46.6	58.68	14	46.6	F8	CD	1222	P -57 707		
6		7.6T	49 18.585	0.0038	12	-58 53 8.35	0.026	10	0.54	18.401	18	05.4	9.60	17	01.5	K0	GC	5935	P -59 384		
7	9.7	8.1W	49 19.540	0.0039	06	-58 36 25.46	0.005	06	0.14	19.527	14	46.6	25.48	14	46.6	K2	CD	1224	P -58 430		
8		8.4T	49 31.898	-0.0008	16	-52 42 41.16	0.030	12	0.71	31.937	18	02.9	42.71	19	98.5	G5	GC	5937	P -52 589		
9		5.6T	49 48.135	-0.0107	06	-53 32 45.52	0.005	04	0.26	48.576	12	08.6	49.70	12	00.9	F0	GC	5945K	P*-53 760		
10		6.4T	49 49.269	-0.0108	09	-53 32 38.98	0.003	07	0.47	49.859	18	97.0	43.92	15	90.4	F0	GC	5946K	P -53 760		
11	9.9	9.6W	50 3.850	0.0045	15	-54 34 35.11	-0.043	15	0.25	3.795	15	38.0	34.59	18	38.0	F5	C9	1515	P -54 723		
12	9.7E	8.8*	50 5.672	0.0001	12	-50 39 45.43	-0.040	12	0.63	5.670	31	03.0	43.54	28	03.0	F5	CZ	2527	P -50 661		
13	9.8	9.0W	50 13.295	-0.0101	07	-53 29 23.54	0.094	07	0.19	13.416	15	38.0	24.67	18	38.0	G5	C9	1518	P -53 763		
14	9.3	8.9W	50 13.345	-0.0051	15	-54 3 19.88	-0.033	15	0.25	13.406	15	38.0	19.48	18	38.0	G0	C9	1517	P -54 725		
15		6.6T	50 14.260	-0.0012	10	-51 48 31.08	0.001	07	0.52	14.324	18	97.7	31.16	15	91.8	+++	GC	5951K	C*-51 1281		
16	10.2	9.3W	50 17.790	0.0028	07	-56 20 31.74	0.008	07	0.14	17.780	14	46.6	31.77	14	46.6	G8 O	CD	1228	P -56 738		
17	9.7	8.7W	50 43.632	0.0019	07	-55 41 58.39	0.005	07	0.19	43.609	15	38.0	58.44	18	38.0	K2	C9	1521	P -55 697		
18	9.3	8.8W	50 52.062	-0.0046	07	-59 5 29.03	-0.103	07	0.14	52.077	14	46.6	28.68	14	46.6	G0	CD	1230	P -59 387		
19		7.4T	51 28.227	0.0003	14	-55 46 43.88	-0.007	11	0.66	28.211	21	03.0	43.49	19	97.9	B8	GC	5973	P -55 702		
20		8.9T	51 30.369	-0.0044	16	-54 24 25.98	-0.016	13	0.70	30.561	22	05.8	25.25	22	04.3	F8	GC	5974	P -54 727		
21	10.0	8.8W	51 36.337	0.0018	06	-52 18 44.19	-0.035	06	0.18	36.316	15	38.0	43.77	18	38.0	K2	C9	1526	P -52 599		
22	9.3	8.4W	51 45.568	-0.0004	06	-57 54 37.72	0.018	06	0.14	45.569	14	46.6	37.78	14	46.6	K0	CD	1231	P -58 436		
23	10.1	9.6W	51 57.089	0.0030	11	-57 32 10.31	-0.097	11	0.15	57.079	14	46.6	9.98	14	46.6	G5 O	CD	1232	P -57 711		
24	9.9	8.8W	52 0.877	0.0051	07	-57 16 50.71	0.021	07	0.14	0.860	14	46.6	50.78	14	46.6	K0	CD	1233	P -57 712		
25	10.3	10.4W	52 22.411	-0.0062	13	-53 44 15.86	-0.031	13	0.23	22.485	15	38.0	15.48	18	38.0	A0 O	C9	1529	P -53 768		
26		8.1T	52 25.969	-0.0005	16	-52 24 34.41	0.025	12	0.72	25.993	18	03.1	35.69	19	99.7	B9	GC	5995	P -52 603		
27		7.8T	52 42.701	0.0011	14	-57 24 42.88	-0.020	12	0.62	42.649	19	05.7	41.92	18	03.2	F2	GC	6004	P -57 713		
28	9.4E	8.8Z	53 18.959	-0.0048	12	-51 10 41.82	-0.015	12	0.65	19.191	31	02.0	41.08	31	02.0	F8	CZ	2550	P -51 606		
29		8.3T	53 23.435	-0.0028	13	-52 36 9.28	-0.017	11	0.57	23.555	18	07.5	8.44	18	00.7	A3	GC	6020	P -52 605		
30	10.7	9.2W	53 27.735	-0.0010	09	-57 37 47.95	-0.020	09	0.14	27.739	14	46.6	47.88	14	46.6	K5 O	CD	1236	P -57 714		
31		8.5T	53 41.606	-0.0004	14	-52 59 37.72	-0.007	12	0.66	41.626	21	03.3	37.37	19	99.6	F5	GC	6028	P -53 770		
32	9.5E	8.6H	53 52.103	0.0023	12	-50 1 24.29	-0.030	12	0.70	51.999	45	05.0	22.96	45	05.0	K0	CZ	2552	P -50 670		
33		6.1T	54 3.638	0.0126	07	-58 37 37.17	0.080	06	0.28	3.065	12	09.2	40.80	12	04.5	F5	GC	6034	P -58 437		
34		7.4T	54 4.777	-0.0006	12	-54 30 32.82	-0.008	09	0.52	4.804	17	06.4	32.42	18	99.7	K0	GC	6035	P -54 731		
35	9.4	8.3W	54 20.609	0.0035	07	-59 11 35.52	-0.100	07	0.14	20.597	14	46.6	35.18	14	46.6	K0	CD	1239	P -59 398		
36	9.1	9.1W	54 26.280	0.0004	07	-57 30 16.16	0.007	07	0.14	26.279	14	46.6	16.18	14	46.6	A3	CD	1240	P -57 715		
37	9.4	8.0W	54 27.107	-0.0016	06	-52 3 31.81	0.005	06	0.18	27.126	15	38.0	31.87	18	38.0	K2	C9	1544	P -52 609		
38	10.0	8.6W	54 55.326	0.0000	06	-52 37 29.53	-0.013	06	0.18	55.326	15	38.0	29.37	18	38.0	K2	C9	1547	P -52 611		
39	10.1	9.1W	55 2.637	0.0001	07	-53 56 1.80	-0.010	07	0.19	2.635	15	38.0	1.68	18	38.0	K0	C9	1548	P*-54 734		
40	8.5E	8.5Z	55 3.012	0.0181	12	-51 7 21.41	-0.125	12	0.81	2.199	63	05.0	15.76	57	05.0	G5	CZ	2560	P -51 609		
41	9.9	9.5W	55 11.580	0.0038	11	-58 32 13.70	0.022	11	0.15	11.567	14	46.6	13.78	14	46.6	F8 O	CD	1241	P -58 439		
42		7.5T	55 20.054	0.0039	14	-56 30 15.41	0.036	11	0.67	19.850	21	02.3	17.27	18	97.7	K0	GC	6052	P -56 753		
43	10.4	9.5W	55 22.309	0.0034	09	-59 9 13.00	-0.005	09	0.14	22.297	14	46.6	12.98	14	46.6	G5 O	CD	1243	P -59 399		
44	9.1	7.8W	55 24.089	-0.0039	06	-53 6 14.11	-0.020	06	0.18	24.136	15	38.0	13.87	18	38.0	K2	C9	1549	P -53 772		
45	8.8E	7.8Z	55 25.696	0.0017	12	-51 31 42.82	0.032	12	0.65	25.616	31	02.0	44.36	31	02.0	K0	CZ	2566D	P*-51 612		
46	9.5	9.2W	55 33.201	0.0068	07	-59 10 8.92	-0.013	07	0.14	33.177	14	46.6	8.88	14	46.6	F8 O	CD	1244	P -59 400		
47	9.1E	9.0Z	55 34.464	0.0017	12	-50 34 52.17	-0.023	12	0.63	34.386	31	03.0	51.07	28	03.0	F2	CZ	2567	P -50 677		
48		9.3T	55 36.702	-0.0025	14	-54 41 16.03	0.009	12	0.67	36.821	21	02.8	18.49	19	99.2	F8	GC	6059	P -54 736		
49	9.9	9.8W	55 39.077	0.0000	07	-59 8 23.85	-0.021	07	0.14	39.077	14	46.6	23.78	14	46.6	F0 O	CD	1246	P -59 401		
50	7.8	7.7W	55 44.214	-0.0010	07	-52 55 34.94	-0.022	07	0.19	44.226	15	38.0	34.67	18	38.0	A2	C9	1554	P -53 774		
51	10.1	9.6W	4 55 45.341	0.0065	09	-56 59 27.82	-0.013	09	0.14	45.319	14	46.6	27.78	14	46.6	G4 O	CD	1247	P -57 717		
52	10.2	9.9W	55 53.333	0.0044	15	-55 17 4.33	0.001	15	0.25	53.280	15	38.0	4.34	18	38.0	F9 O	C9	1557	P -55 715		
53		8.1T	55 55.332	-0.0009	14	-56 27 59.15	-0.032	11	0.60	55.376	18	08.0	57.55	18	00.6	G5	GC	6065	P -56 755		
54	9.8	10.0W	56 3.515	-0.0021	15	-55 13 4.49	-0.004	15	0.25	3.540	15	38.0	4.44	18	38.0	A0	C9	1558	P -55 716		
55	10.2	10.0W	56 6.230	0.0057	13	-56 27 6.95	0.006	13	0.15	6.210	14	46.6	6.97	14	46.6	F0 O	CD	1250	P -56 756		
56	8.5	8.6W	56 6.221	-0.0015	07	-55 41 17.82	-0.006	07	0.19	6.239	15	38.0	17.74	18	38.0	A2	C9	1559	P -55 717		
57		6.9T	56 17.041	-0.0011	11	-58 8 49.13	0.093	09	0.50	17.094	18	04.6	53.79	17	99.9	F2	GC	6074	P -58 440		
58			56 18.720	-0.0005	07	-52 13 18.80	-0.002	07	0.19	18.726	15	38.0	18.77	18	38.0	B9	C9	1560V	P*-52 613		
59	9.6	9.5W	56 20.685	0.0024	07	-53 5 23.00	-0.011	07	0.19	20.656	15	38.0	22.87	18	38.0	F2	C9	1561	P*-53 776		
60		8.1T	56 32.827	-0.0025	20	-54 14 56.08	0.028	16	0.82	32.933	22	06.8	57.36	21	04.4	K0	GC	6076	P -54 739		
61	9.6	8.2W	56 36.808	0.0010	08	-53 28 14.54	0.019	08	0.19	36.796	15	38.0	14.77	18	38.0	K0	C9	1565	P*-53 777		
62		7.4T	56 42.743	-0.0006	16	-50 39 3.05	0.009	12	0.73	42.769	19	02.0	3.51	19	96.6	G5	GC	6080	C -50 1575		
63	9.8	9.4W	56 42.958	0.0032	15	-55 47 20.67	0.015	15	0.25	42.919	15	38.0	20.84	18	38.0	F9 O	C9	1566	P -55 721		
64	9.1	8.8W	56 46.030	0.0020	07	-53 53 33.82	-0.011	07	0.19	46.005	15	38.0	33.68	18	38.0	G0	C9	1567	P -54 742		
65	8.9	9.0W	56 49.328	0.0007	07	-55 35 10.05	0.033	07	0.19	49.319	15	38.0	10.44	18	38.0	A0	C9	1568	P -55 722		
66		7.6T	57 7.621	-0.0025	13	-58 2 31.31	0.023	10	0.57	7.743	19	05.0	32.44	18	00.6	A0	GC	6089	P -58 441		
67		6.9T	57 12.430	0.0022	10	-58 16 58.81	0.008	10	0.54	12.319	19	01.5	59.21	18	00.0	K2	GC	6091	P -58 442		
68		7.9T	57 28.116	-0.0008	16	-54 14 42.71	-0.070	12	0.70	28.150	22	04.7	39.24	19	00.4	F0	GC	6097	P -54 746		
69	9.9	8.8W	57 31.192	0.0011	07	-55 32 43.11	0.036	07	0.19	31.179	15	38.0	43.54	18	38.0	K0	C9	1572	P -55 723		
70	9.9	9.5W	57 45.437	-0.0016	13	-52 19 31.31	0.047	13	0.23	45.456	15	38.0	31.87	18	38.0	F8	C9	1573	P -52 619		
71	8.9	7.7W	57 46.639	0.0034	07	-59 12 20.23	-0.046	07	0.14	46.627	14	46.6	20.08	14	46.6	K2	CD	1254	P -59 409		
72	9.7E	8.5Z	57 50.507	-0.0010	12	-50 12 56.71	0.019	12	0.70	50.551	45	05.0	57.59	45	05.0	K0	CZ	2592	P -50 689		
73	10.2	10.2W	57 57.046	-0.0050	15	-54 45 55.98	0.068	15	0.25	57.105	15	38.0	56.79	18	38.0	A	C9	1575	P -54 747		
74	9.4	9.0W	57 57.275	-0.0073	07	-55 56 55.20	-0.096	07	0.14	57.300	14	46.6	54.87	14	46.6	G5	CD	1256	P -56 759		
75	10.1	9.6W	58 10.038	-0.0036	13	-56 15 40.64	0.037	13	0.15	10.050	14	46.6	40.77	14	46.6	G4 O	CD	1257	P -56 760		
76	10.4	9.9W	58 26.338	0.0034	13	-59 34 58.89	0.028	13	0.15	26.327	14	46.6	58.98	14	46.6	F5 O	CD	1258	P -59 410		
77	10.0	9.8W	58 50.544	-0.0013	09	-58 18 40.24	0.011	09	0.14	50.549	14	46.6	40.28	14	46.6	F4 O	CD	1259	P -58 448		
78	10.2E	9.0Z	58 52.120	0.0009	12	-50 17 39.70	0.029	12	0.70	52.079	45	05.0	41.02	45	05.0	K0	CZ	2601	P -50 697		
79	9.5	8.1W	59 3.089	-0.0014	06	-51 55 49.53	0.003	06	0.18	3.106	15	38.0	49.57	18	38.0	K0	C9	1580	P -52 622		
80		8.9T	59 7.550	-0.0029	13	-58 34 15.82	0.013	11	0.64	7.703	22	00.8	16.49	19	97.1	A5	GC	6141	P -58 450		
81		8.2T	59 21.750	0.0022	16	-57 40 49.09	0.023	11	0.64	21.647	19	06.6	50.15	18	03.6	A0	GC	6145	P -57 721		
82	9.5E	9.0Z	59 24.138	0.0017	12	-51 7 20.15	0.039	12	0.65	24.059	31	02.0	22.04	31	02.0	F0	CZ	2612	P -51 625		
83	9.3	9.0W	59 43.745	0.0073	07	-56 28 15.42	-0.044	07	0.14	43.720	14	46.6	15.27	14	46.6	F5	CD	1262	P*-56 762		
84	10.7	9.8W	59 50.155	-0.0042	09	-53 52 11.38	0.067	09	0.20	50.205	15	38.0	12.18	18	38.0	G8 O	C9	1583	P -53 782		
85	9.7	8.5W	5 0 1.251	0.0046	07	-53 4 48.89	-0.018	07	0.19	1.196	15	38.0	48.67	18	38.0	K0	C9	1585	P -53 783		
86	10.2	9.8W	0 1.637	-0.0035	13	-56 44 46.87	0.060	13	0.15	1.649	14	46.6	47.08	14	46.6	F2 O	CD	1263	P -56 763		
87	8.4	8.2W	0 12.133	-0.0011	06	-54 4 43.33	-0.045	06	0.18	12.145	15	38.0	42.78	18	38.0	F5	C9	1586	P -54 752		
88	10.4	9.9W	0 22.791	0.0003	13	-56 8 25.82	0.072	13	0.15	22.790	14	46.6	26.07	14	46.6	F8 O	CD	1265	P -56 764		
89	9.1	9.3W	0 23.619	0.0019	07	-52 7 25.34	0.044	07	0.19	23.596	15	38.0	25.87	18	38.0	A3	C9	1587	P -52 631		
90	10.5	8.9W	0 33.412	-0.0012	09	-54 53 30.38	0.010	09	0.20	33.426	15	38.0	30.49	18	38.0	K2	C9	1588	P -55 727		
91		8.5T	0 46.845	-0.0000	16	-58 35 28.29	-0.050	11	0.69	46.846	24	03.0	25.75	19	99.6	K2	GC	6175	P -58 452		
92	9.9	9.7W	1 6.435	-0.0011	09	-57 41 58.60	0.023	09	0.14	6.439	14	46.6	58.68	14	46.6	F8 O	CD	1268	P -57 725		
93	9.0E	8.5Z	1 8.638	0.0013	12	-50 24 12.03	0.062	12	0.65	8.580	36	05.0	14.84	36	05.0	F5	CZ	2631	P -50 700		
94	9.0E	8.4*	1 16.189	0.0031	12	-51 31 29.38	-0.017	12	0.62	16.042	28	03.0	28.77	26	03.0	G5	CZ	2638	P -51 629		
95	8.2E	8.0Z	1 16.380	0.0031	12	-50 30 55.59	0.023	12	0.62	16.235	28	03.5	56.68	26	03.5	A3	CZ	2637	P -50 701		
96		7.1T	1 19.822	-0.0080	13	-56 9 42.41	0.622	10	0.60	20.238	21	02.9	+14.84	18	97.9	G0	GC	6180	P -56 767		
97	10.2	9.3W	1 29.803	0.0040	13	-56 43 49.90	-0.005	13	0.15	29.789	14	46.6	49.88	14	46.6	G8 O	CD	1271	P -56 769		
98	8.7E	8.0Z	1 33.839	0.0001	12	-50 51 38.51	-0.175	12	0.70	33.834	45	05.0	30.65	45	05.0	F5	CZ	2644D	P*-50 702		
99	10.1	8.9W	1 42.976	0.0006	07	-55 44 26.50	0.037	07	0.19	42.969	15	38.0	26.94	18	38.0	K0	C9	1596	P -55 730		
00	10.1	9.3W	1 47.422	-0.0003	15	-54 41 14.81	0.024	15	0.25	47.426	15	38.0	15.09	18	38.0	K2	C9	1597	P -54 765		

233800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		CAT.	SOURCE STAR NUMBER	-50° 5H DM NUMBER
1	9.5	9.3W	5 1 49.837	0.0023	07	-55 51 52.21	0.094	07	0.19	49.809	15	38.0	53.34	18	38.0	G0		C9	1599	P*-55 731
2	10.5	8.9W	1 56.123	0.0031	07	-54 10 1.92	-0.020	07	0.19	56.086	15	38.0	1.68	18	38.0	K5		C9	1600	P -54 761
3	8.3E	7.5Z	1 56.139	-0.0017	12	-56 23 27.19	-0.009	12	0.70	56.217	45	05.0	26.80	45	05.0	F0		CZ	2651	P -56 703
4	9.6	8.8W	2 21.059	0.0019	07	-52 46 15.66	0.051	07	0.19	21.036	15	38.0	16.27	18	38.0	K0		C9	1601	P -52 637
5	10.2	9.8W	2 21.831	0.0011	13	-59 8 35.72	-0.011	13	0.15	21.827	14	46.6	35.68	14	46.6	F5	O	C0	1273	P -59 415
6	10.6	9.9W	2 30.773	0.0047	09	-58 35 25.66	0.182	09	0.14	30.757	14	46.6	26.28	14	46.6	K0	O	C0	1275	P -58 454
7	8.8	8.7W	2 33.906	-0.0013	07	-56 14 9.76	0.003	07	0.14	33.910	14	46.6	9.77	14	46.6	A5		C0	1276	P -56 771
8	10.1	10.1W	2 36.261	-0.0023	09	-58 10 19.00	-0.006	09	0.14	36.269	14	46.6	18.98	14	46.6	+++		C0	1277	P*-58 455
9		8.5T	2 41.724	0.0018	12	-58 30 52.98	0.023	09	0.50	41.639	17	08.6	54.05	17	02.9	F0		GC	6217	P -58 456
10		8.0T	2 51.338	0.0024	16	-56 22 16.97	0.061	12	0.69	51.218	22	04.5	19.99	19	00.1	F0		GC	6223K	P*-56 773
11	8.1	7.6W	3 41.004	-0.0010	06	-52 14 50.87	-0.058	06	0.18	41.016	15	38.0	50.17	18	38.0	F8		C9	1608	P -52 646
12		8.5T	3 41.596	0.0017	16	-55 34 7.07	0.032	12	0.70	41.511	21	04.3	8.66	19	99.7	K5		GC	6236	P -55 736
13	9.8	8.7W	3 43.889	0.0024	15	-55 0 16.55	0.033	15	0.25	43.860	15	38.0	16.95	18	38.0	K2		C9	1610	P -55 735
14		6.1T	3 57.638	0.0007	09	-54 28 27.87	-0.005	06	0.34	57.607	14	08.5	27.64	12	03.3	K5		GC	6241	P -54 768
15		8.2T	3 59.963	0.0084	16	-57 44 23.20	0.017	11	0.66	59.535	21	05.6	24.06	18	99.2	A0		GC	6242	P -57 732
16	9.5	8.9W	4 2.701	0.0051	06	-55 24 58.74	0.317	06	0.18	2.640	15	38.0	2.54	18	38.0	G5		C9	1615	P -55 738
17		7.7T	4 4.578	0.0002	16	-55 31 0.21	0.033	12	0.71	4.569	22	04.6	1.83	19	00.2	K0		GC	6243	P -55 739
18	9.2E	8.8Z	4 10.758	-0.0063	12	-51 30 7.81	0.132	12	0.65	11.060	31	02.0	14.14	31	02.0	G5		CZ	2676	P -51 639
19	10.6	9.5W	4 19.263	0.0006	08	-53 20 32.38	0.008	08	0.19	19.256	15	38.0	32.47	18	38.0	G8	O	C9	1618	P -53 792
20		8.1T	4 24.437	-0.0001	14	-56 50 51.30	0.009	12	0.66	24.442	21	03.4	51.73	19	99.1	F2		GC	6250	P -56 778
21		7.7T	4 30.611	-0.0037	15	-57 15 39.31	0.005	12	0.63	30.438	19	07.1	39.52	18	03.3	K2		GC	6256	P -57 733
22		4.8H	4 39.031	-0.0043	03	-57 32 25.76	0.116	03	0.11	39.179	05	15.5	29.73	05	15.7	F8		F4	189	P -57 735
23	10.0	10.2W	4 52.706	0.0008	15	-52 45 11.70	-0.019	15	0.25	52.696	15	38.0	11.47	18	38.0	A0		C9	1622	P -52 649
24	9.3	8.0W	5 19.127	-0.0005	06	-58 15 52.11	0.020	06	0.14	19.129	14	46.6	52.18	14	46.6	K2		C0	1286	P -58 459
25	9.9	8.4W	5 28.073	0.0007	07	-56 17 47.73	0.012	07	0.14	28.070	14	46.6	47.77	14	46.6	MB		C0	1287	P -56 782
26	8.6E	8.5Z	5 28.309	-0.0017	12	-51 0 23.87	0.010	12	0.65	28.390	31	02.0	24.35	31	02.0	F2		CZ	2683	P -51 643
27	10.3E	9.1*	5 28.517	-0.0016	12	-50 5 59.36	-0.008	12	0.63	28.593	31	03.0	58.99	28	03.0			CZ	2681	P -50 714
28	9.7	9.0W	5 46.256	-0.0007	07	-57 37 1.25	0.008	07	0.14	46.259	14	46.6	1.28	14	46.6	G5		C0	1288	P -57 741
29	9.6	8.9W	5 52.228	0.0135	13	-58 27 54.13	-0.063	13	0.23	52.066	15	38.0	53.37	18	38.0	G5		C9	1625	P -52 655
30	9.6	9.5W	5 59.560	0.0097	11	-59 6 59.92	0.074	11	0.15	59.527	14	46.6	0.18	14	46.6	F5		C0	1290	P -59 421
31	10.0	9.8W	6 1.853	-0.0021	13	-56 29 54.83	0.013	13	0.15	1.860	14	46.6	54.87	14	46.6	F2	O	C0	1291	P -56 784
32		7.9T	6 3.202	0.0027	13	-59 56 33.06	0.019	11	0.60	3.074	21	05.7	33.99	18	02.0	K0		GC	6289	P -60 377
33	9.9	8.4W	6 5.839	0.0027	07	-55 50 42.60	0.020	07	0.14	5.830	14	46.6	42.67	14	46.6	K5		C0	1293	P -55 742
34	9.8	8.7W	6 10.904	0.0015	07	-54 17 8.06	0.027	07	0.19	10.886	15	38.0	8.38	18	38.0	K0		C9	1628	P -54 772
35	9.3	9.1W	6 28.211	0.0002	07	-56 16 44.84	0.038	07	0.14	28.210	14	46.6	44.97	14	46.6	A5		C0	1294	P -56 786
36		8.0T	6 33.672	0.0019	16	-53 37 19.44	0.063	12	0.69	33.583	21	04.2	22.58	19	00.2	F8		GC	6298	P -53 800
37		7.5T	6 33.683	-0.0064	11	-55 3 13.64	0.046	07	0.51	34.036	18	00.7	16.15	15	94.8	F2		GC	6299	P -55 744
38	9.2	8.9W	7 0.398	-0.0025	07	-59 32 44.05	-0.137	07	0.14	0.406	14	46.6	43.58	14	46.6	G0		C0	1295	P -59 423
39	9.8	9.9W	7 6.155	0.0019	09	-57 50 9.92	0.046	09	0.14	6.149	14	46.6	10.08	14	46.6	A3		C0	1296	P -57 745
40	10.3	10.4W	7 7.647	0.0076	09	-52 41 10.12	0.029	09	0.20	7.556	15	38.0	10.47	18	38.0	F2	O	C9	1632	P -52 660
41		8.3T	7 35.987	0.0028	16	-57 3 1.49	0.058	12	0.65	35.855	19	06.6	4.21	18	02.8	G0		GC	6326	P -57 748
42	10.0	8.7W	7 37.409	0.0036	07	-53 18 2.15	0.002	07	0.19	37.366	15	38.0	2.17	18	38.0	K2		C9	1636	P -53 808
43	10.5	10.0W	7 39.164	0.0120	09	-55 15 34.73	-0.024	09	0.20	39.020	15	38.0	34.44	18	38.0	G4	O	C9	1638	P -55 747
44	9.7	9.4W	7 45.664	0.0032	15	-54 9 27.34	-0.013	15	0.25	45.625	15	38.0	27.18	18	38.0	F5		C9	1639	P -54 779
45	10.1	9.6W	7 45.697	0.0040	15	-55 38 28.95	0.016	15	0.25	45.649	15	38.0	29.14	18	38.0	F0	O	C9	1640	P -55 748
46	9.4	9.1W	7 58.604	0.0007	06	-51 59 54.72	-0.004	06	0.18	58.596	15	38.0	54.67	18	38.0	F5		C9	1641	P -52 664
47	9.1	9.3W	8 0.528	-0.0002	07	-55 3 31.76	0.015	07	0.19	0.530	15	38.0	31.94	18	38.0	A0		C9	1642	P -55 749
48	10.1	9.8W	8 1.680	-0.0055	15	-54 37 8.71	-0.107	15	0.25	1.745	15	38.0	9.99	18	38.0	A5		C9	1643	P -54 780
49	8.7E	9.0Z	8 10.192	-0.0012	12	-51 7 27.94	-0.002	12	0.65	10.249	31	02.0	27.85	31	02.0	A0		CZ	2713	P -51 650
50	9.1	8.8W	8 18.897	0.0026	06	-54 18 13.48	0.084	06	0.18	18.865	15	38.0	14.48	18	38.0	F8		C9	1646	P -54 783
51	9.6	9.4W	5 8 28.574	-0.0049	13	-56 6 39.50	0.021	13	0.15	28.590	14	46.6	39.57	14	46.6	F8		C0	1300	P -56 794
52	9.5E	9.5Z	8 31.861	-0.0006	12	-50 54 49.19	0.001	12	0.70	31.887	45	05.0	49.25	45	05.0			CZ	2722	P -51 651
53	10.0	9.1W	8 47.502	-0.0011	07	-54 22 41.15	0.044	07	0.19	47.515	15	38.0	41.68	18	38.0	K0		C9	1648	P -54 784
54	9.5	9.5W	8 54.285	-0.0034	15	-52 8 34.91	-0.020	15	0.25	54.326	15	38.0	34.67	18	38.0	F0		C9	1650	P -52 665
55		8.2T	8 54.432	0.0017	16	-52 42 43.52	0.018	12	0.71	54.353	21	03.0	44.44	19	98.7	F0		GC	6353	P -52 666
56		8.6T	9 2.367	0.0007	16	-53 34 56.46	0.007	12	0.71	2.333	19	04.0	56.81	19	00.2	F0		GC	6357	P -53 811
57	9.9	8.5W	9 4.250	-0.0013	07	-54 24 59.11	-0.002	07	0.19	4.265	15	38.0	59.08	18	38.0	K0		C9	1653	P -54 786
58	10.6	9.1W	9 5.587	0.0009	07	-54 20 19.23	0.038	07	0.19	5.576	15	38.0	19.68	18	38.0	K0		C9	1656	P -54 788
59	9.9	9.8W	9 17.603	-0.0011	13	-52 23 3.48	-0.009	13	0.23	17.616	15	38.0	3.37	18	38.0	F5		C9	1658	P -52 669
60	9.3E	8.5Z	9 21.471	0.0014	12	-51 21 47.32	0.093	12	0.81	21.408	63	05.0	51.52	57	05.0	G5		CZ	2732	P -51 652
61	9.0	8.8W	9 37.340	0.0038	06	-58 32 49.73	0.043	06	0.14	37.327	14	46.6	49.88	14	46.6	F0		C0	1302	P -58 474
62	9.1	8.8W	9 45.650	-0.0024	07	-55 34 50.41	0.036	07	0.19	45.679	15	38.0	50.84	18	38.0	F5		C9	1660	P -55 756
63	10.2E	9.1*	9 51.638	-0.0055	12	-50 46 33.42	0.015	12	0.63	51.896	31	03.0	34.13	28	03.0			CZ	2737	P -50 729
64	9.7	8.6W	10 5.093	-0.0019	07	-53 56 50.60	0.024	07	0.19	5.115	15	38.0	50.88	18	38.0	K0		C9	1661	P -54 791
65	9.3	9.2W	10 20.713	-0.0018	06	-57 14 47.45	0.010	06	0.14	20.720	14	46.6	47.48	14	46.6	F0		C0	1304	P -57 756
66	10.2	9.6W	10 31.529	0.0008	13	-55 50 15.35	0.058	13	0.23	31.519	15	38.0	16.04	18	38.0	F8	O	C9	1664	P -55 760
67	9.6	8.6W	10 34.957	-0.0006	07	-57 40 17.71	0.020	07	0.14	34.959	14	46.6	17.78	14	46.6	K0		C0	1305	P -57 758
68	9.4	9.2W	10 57.909	-0.0023	13	-59 2 38.46	-0.023	13	0.15	57.917	14	46.6	38.38	14	46.6	F5		C0	1306	P -59 436
69	9.6	9.2W	11 3.633	0.0037	11	-55 52 50.55	0.125	11	0.15	3.620	14	46.6	50.97	14	46.6	G0		C0	1307	P -55 763
70	9.9	9.4W	11 9.190	0.0020	07	-54 12 40.07	0.026	07	0.19	9.165	15	38.0	40.38	18	38.0	G0		C9	1667	P -54 795
71		7.4T	11 10.541	0.0028	16	-51 36 32.76	0.062	12	0.73	10.404	17	00.9	36.05	18	97.2	K0		GC	6393	C -51 1402
72	10.5	9.3W	11 13.737	0.0034	07	-54 12 52.01	0.006	07	0.19	13.696	15	38.0	52.08	18	38.0	G5		C9	1668	P -54 796
73	9.5	9.8W	11 24.021	0.0004	07	-52 6 39.22	-0.029	07	0.19	24.016	15	38.0	38.87	18	38.0	A0		C9	1669	P -52 674
74	10.0	9.6W	11 33.010	0.0029	06	-57 22 59.77	0.061	06	0.14	33.000	14	46.6	59.98	14	46.6	F2		C0	1308	P -57 761
75	9.8	9.1W	11 35.695	-0.0071	07	-56 46 28.18	0.057	07	0.14	35.719	14	46.6	28.38	14	46.6	K0		C0	1309	P -56 805
76	10.1	10.1W	11 44.279	-0.0067	15	-55 39 25.61	0.028	15	0.25	44.359	15	38.0	25.94	18	38.0	A2	O	C9	1671	P -55 765
77	10.0	9.7W	12 16.760	-0.0028	07	-57 22 19.40	0.022	07	0.14	16.770	14	46.6	19.48	14	46.6	F5		C0	1311	P -57 763
78	9.7	9.4W	12 17.227	0.1234	11	-59 42 35.81	0.519	11	0.15	16.806	14	46.6	37.58	14	46.6	G0		C0	1312	P -59 444
79	10.6E	9.5*	12 18.238	-0.0022	12	-50 0 43.54	0.012	12	0.63	18.343	31	03.0	44.10	28	03.0			CZ	2759	P -50 734
80		7.4T	12 29.430	0.0067	12	-55 37 26.56	-0.076	11	0.58	29.092	21	02.8	22.70	19	99.5	G0		GC	6415K	P -55 766
81	8.5	8.9W	12 35.267	0.0001	11	-58 36 51.57	0.002	11	0.15	35.267	14	46.6	51.58	14	46.6	B8		C0	1314	P -58 479
82	10.3E	8.9Z	12 35.835	-0.0008	12	-50 41 32.43	-0.003	12	0.70	35.871	45	05.0	32.30	45	05.0	K2		CZ	2763	P -50 736
83		7.1T	12 36.323	0.0008	12	-59 38 34.28	0.024	11	0.53	36.287	18	08.3	35.39	18	02.8	K2		GC	6416	P -59 446
84		7.4T	12 36.690	0.0014	13	-53 1 55.49	-0.002	12	0.58	36.631	17	07.1	55.40	18	02.5	G5		GC	6417	P -53 817
85	9.8	9.5W	12 40.945	0.0018	10	-58 12 15.41	0.019	10	0.14	40.939	14	46.6	15.48	14	46.6	F5		C0	1316	P -58 480
86		5.9T	12 43.484	-0.0009	09	-52 5 13.27	-0.022	08	0.49	43.533	19	97.0	12.01	18	91.7	K5		GC	6423	P -52 677
87	10.0	9.8W	12 46.973	0.0009	11	-56 29 53.56	0.004	11	0.15	46.970	14	46.6	53.57	14	46.6	F2		C0	1317	P -56 810
88	9.5E	8.5Z	13 1.825	0.0005	12	-51 24 48.51	-0.002	12	0.70	1.803	45	05.0	48.43	45	05.0	K5		CZ	2768	P -51 665
89	10.7E	9.5*	13 13.505	-0.0065	12	-50 20 7.12	-0.033	12	0.62	13.808	28	03.5	5.59	26	03.5			CZ	2769	P -50 738
90	9.9	9.7W	13 25.165	-0.0039	09	-57 53 9.20	0.024	09	0.14	25.179	14	46.6	9.28	14	46.6	F5		C0	1318	P -57 765
91	9.4	9.2W	13 29.514	-0.0021	07	-55 42 31.54	0.067	07	0.19	29.539	15	38.0	32.34	18	38.0	F2		C9	1677	P -55 768
92		8.4T	14 7.968	-0.0015	15	-53 8 52.29	0.014	12	0.68	8.039	21	03.4	53.00	19	99.5	F5		GC	6453	P -53 820
93		7.0T	14 8.498	0.0024	12	-52 43 11.66	0.018	12	0.61	8.376	18	98.7	12.51	18	02.6	K0		GC	6454	P -52 680
94	10.4	9.0W	14 15.894	-0.0022	07	-55 28 16.18	0.047	07	0.19	15.920	15	38.0	16.74	18	38.0	K2	O	C9	1680	P -55 770
95		6.3T	14 29.546	0.0019	11	-52 14 11.79	0.029	08	0.54	29.449	19	98.2	13.53	18	90.5	K0		GC	6459	P -52 683
96	9.5	8.7W	14 30.611	0.0002	06	-56 13 21.49	-0.006	06	0.14	30.610	14	46.6	21.47	14	46.6	K2		C0	1320	P -56 817
97	10.4	10.2W	14 34.007	0.0051	09	-52 6 48.61	-0.053	09	0.20	33.946	15	38.0	47.97	18	38.0	F6	O	C9	1683	P -52 684
98	9.8	9.3W	14 35.221	-0.0058	15	-55 16 59.14	0.009	15	0.25	35.290	15	38.0	59.24	18	38.0	G5		C9	1684	P -55 772
99	9.9E	9.6Z	14 39.827	-0.0009	12	-51 33 27.93	0.034	12	0.81	39.866	63	05.0	29.45	57	05.0			CZ	2781	P -51 671
00	10.1	9.6W	14 58.023	0.0018	09	-58 46 18.27	0.002	09	0.14	58.017	14	46.6	18.28	14	46.6	G5	O	C0	1321	P -58 484

233900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 5H DM NUMBER
1	9.9E	8.8Z	5 15 3.316	0.0051	12	-51 20 3.67	0.089	12	0.81	3.087	63	05.0	7.68	57	05.0	K0	CZ	2783	F -51 672
2	9.9	9.5W	15 16.004	0.0054	15	-55 40 8.85	0.012	15	0.25	15.939	15	38.0	8.94	18	38.0	G	C9	1688	F -55 776
3	10.0	9.4W	15 17.903	-0.0097	15	-55 44 2.79	0.063	15	0.25	18.019	15	38.0	3.54	18	38.0	G	C9	1689	F -55 777
4	8.5E	8.0Z	15 18.468	-0.0023	12	-51 31 44.60	-0.043	12	0.65	18.578	31	02.1	42.53	31	02.1	F2	CZ	2787	F -51 674
5	9.5	9.0W	15 27.856	0.0000	07	-53 22 37.57	0.034	07	0.19	27.856	15	38.0	37.97	18	38.0	G0	C9	1695	F -53 825
6	9.6	9.4W	15 32.089	-0.0006	07	-53 1 2.64	0.028	07	0.19	32.096	15	38.9	2.97	18	38.0	F8	C9	1691	F -53 826
7	8.4	8.1W	15 46.184	-0.0002	07	-52 30 19.48	0.008	07	0.19	46.186	15	38.0	19.57	18	38.0	F0	C9	1692	F -52 691
8	10.0E	9.1*	15 52.215	0.0011	12	-50 38 7.57	0.035	12	0.63	52.162	31	03.0	9.23	28	03.0	F5	CZ	2793	F -50 750
9	9.3	9.3W	15 55.504	-0.0018	07	-56 11 50.65	0.007	07	0.14	55.510	14	46.6	50.67	14	46.6	A0	C0	1323	F -56 823
10	10.3	9.3W	16 2.500	-0.0030	09	-51 57 16.87	-0.025	09	0.20	2.536	15	38.0	16.57	18	38.0	K1	O C9	1694	F -52 692
11	9.6E	9.5Z	16 7.413	-0.0063	12	-51 53 19.49	0.013	12	0.81	7.695	63	05.0	20.07	57	05.0		CZ	2795	F -51 676
12	10.1E	9.2Z	16 11.547	0.0008	12	-51 25 11.59	-0.065	12	0.81	11.512	63	05.0	8.68	57	05.0	F5	CZ	2796	F -51 677
13	9.8	9.8W	16 19.083	-0.0005	15	-55 37 16.01	0.011	15	0.25	19.089	15	38.0	16.14	18	38.0	A0	C9	1697	F -55 783
14	10.0E	9.2Z	16 28.156	-0.0006	12	-51 22 30.00	-0.003	12	0.81	28.183	63	05.0	29.87	57	05.0	A5	CZ	2800	F -51 679
15	10.0	9.9W	16 29.274	0.0040	07	-52 21 34.00	-0.011	07	0.19	29.226	15	38.0	33.87	18	38.0	F2	O C9	1698	F -52 695
16		7.0T	16 41.847	-0.0027	09	-54 31 28.26	0.012	08	0.49	41.991	19	97.0	28.95	18	92.7	K0	GC	6514	P -54 809
17	9.9E	9.2Z	16 50.618	0.0004	12	-51 15 56.24	-0.053	12	0.81	50.600	63	05.0	53.86	57	05.0	G5	CZ	2804	F -51 682
18	9.9	10.0W	17 3.096	-0.0008	13	-53 27 45.85	0.010	13	0.23	3.106	15	38.0	45.97	18	38.0	A3	C9	1702	F -53 830
19	9.7	9.0W	17 7.096	0.0039	07	-55 45 31.75	0.008	07	0.19	7.049	15	38.0	31.84	18	38.0	K2	C9	1705	F -55 787
20	9.8	8.7W	17 7.685	0.0015	06	-57 29 47.29	-0.002	06	0.14	7.680	14	46.6	47.28	14	46.6	K5	C0	1325	F -57 783
21	9.4E	8.5Z	17 15.369	0.0006	12	-50 46 44.65	-0.015	12	0.70	15.342	45	05.0	43.99	45	05.0	K2	CZ	2807	F -50 759
22	8.7E	8.0Z	17 16.980	-0.0037	12	-51 28 32.30	-0.157	12	0.80	17.146	63	05.4	25.29	57	05.4	G5	CZ	2808	F -51 684
23	9.5	8.6W	17 33.073	0.0011	06	-57 28 15.42	0.018	06	0.14	33.090	14	46.6	15.48	14	46.6	K2	C0	1326	F -57 784
24	9.2	9.1W	17 38.597	0.0026	07	-54 22 45.52	-0.020	07	0.19	38.566	15	38.0	45.28	18	38.0	F2	C9	1708	F -54 811
25		7.6T	17 44.150	0.0007	13	-51 37 47.90	0.016	12	0.68	44.116	22	00.0	48.78	19	96.1	K0	GC	6539	C -51 1452
26		5.5H	18 8.388	0.0017	03	-50 39 32.37	0.228	03	0.12	8.330	05	16.3	40.36	05	14.9	F8	F4	199	C -50 1723
27	10.0		18 10.179	0.0005	09	-58 49 3.76	0.005	09	0.14	10.177	14	46.6	3.78	14	46.6	F0	O C0	1328	P*-58 487
28	9.8	9.6W	18 22.603	-0.0044	13	-52 58 19.79	-0.035	13	0.23	22.656	15	38.0	19.37	18	38.0	G0	C9	1710	P -53 838
29	11.0E	9.6*	18 23.224	-0.0010	12	-50 21 37.21	-0.006	12	0.63	23.272	31	03.0	36.93	28	03.0		CZ	2815	P -50 764
30		8.2T	18 35.292	0.0007	15	-52 5 14.99	0.043	16	0.77	35.261	21	04.4	17.18	19	99.3	F2	GC	6566	F -52 704
31	10.1	9.8W	18 52.304	-0.0009	09	-58 56 56.90	0.083	09	0.14	52.307	14	46.6	57.18	14	46.6	G0	O C0	1329	P -59 459
32	9.8	9.5W	19 7.265	-0.0009	08	-52 2 56.16	-0.016	08	0.19	7.276	15	38.0	55.97	18	38.0	G0	C9	1713	P -52 705
33	10.7E	9.4*	19 10.850	-0.0002	12	-51 3 7.79	-0.027	12	0.65	10.859	31	02.0	6.50	31	02.0	A	CZ	2826	P -51 691
34	9.0	9.1W	19 25.906	-0.0062	07	-55 7 21.61	0.069	07	0.19	25.980	15	38.0	22.44	18	38.0	A0	C9	1714	P -55 789
35	9.7E	9.0Z	19 31.154	-0.0017	12	-51 17 50.56	-0.011	12	0.81	31.231	63	05.0	50.08	57	05.0	A2	CZ	2829	F -51 693
36		8.2T	19 51.186	0.0003	16	-55 48 44.34	-0.020	12	0.68	51.172	21	05.2	43.34	19	00.9	K5	GC	6599	P -55 791
37	9.6	9.3W	19 55.434	0.0023	15	-54 26 26.12	0.172	15	0.25	55.405	15	38.0	28.18	18	38.0	G0	C9	1717	P -54 816
38	9.7	9.2W	20 1.400	0.0053	07	-57 24 8.26	0.055	07	0.14	1.379	14	46.1	8.48	14	46.1	G5	C0	1330	P -57 795
39	10.0	9.6W	20 2.316	0.0042	07	-52 51 55.48	0.024	07	0.19	2.266	15	38.0	55.77	18	38.0	G0	C9	1718	P*-52 706
40		6.7T	20 12.299	0.0027	08	-51 37 23.50	0.031	06	0.30	12.187	09	08.3	24.92	09	04.7	K0	GC	6608	C -51 1466
41	9.7	9.5W	20 15.324	0.0007	07	-52 30 29.86	-0.007	07	0.19	15.316	15	38.0	29.77	18	38.0	F2	C9	1720	P*-52 707
42		8.5T	20 18.018	-0.0009	16	-56 33 59.91	-0.005	12	0.71	18.063	22	04.6	59.64	19	00.2	K0	GC	6612	P -56 836
43		8.3T	20 22.193	0.0026	13	-56 17 16.13	0.034	10	0.61	22.059	19	02.6	37.91	18	98.3	F0	GC	6613	P -56 837
44		8.6T	20 26.434	0.0020	17	-58 9 15.13	0.003	15	0.89	26.348	19	08.7	15.26	19	07.5	K5	GC	6614	P -58 493
45		7.6T	20 30.946	-0.0002	16	-53 21 42.05	0.020	11	0.89	30.957	18	03.6	43.08	19	98.8	K0	GC	6618K	P*-53 846
46	9.7	9.5W	20 34.518	0.0010	07	-53 0 55.15	0.002	07	0.19	34.506	15	38.0	55.17	18	38.0	A2	C9	1727	P -53 848
47	10.2	8.9W	20 41.632	0.0038	09	-52 47 26.91	0.022	09	0.20	41.586	15	38.0	27.17	18	38.0	K0	C9	1728	P -52 708
48		8.7T	20 52.461	-0.0017	16	-56 9 21.92	0.006	13	0.74	52.541	22	02.8	22.20	22	00.4	K0	GC	6627	C -50 1748
49		7.2T	20 53.106	0.0007	09	-54 19 11.72	0.040	08	0.49	53.067	18	98.1	14.01	18	92.7	A2	GC	6628	P -54 820
50	9.0	8.8W	20 54.086	-0.0025	07	-54 33 18.03	0.022	07	0.19	54.115	15	38.0	18.29	18	38.0	F2	C9	1731	P -54 821
51	10.2	9.4W	5 21 16.215	-0.0034	15	-53 47 17.63	0.021	15	0.25	16.255	15	38.0	17.88	18	38.0	G5	O C9	1734	F -53 852
52		6.2T	21 26.776	0.0001	05	-56 10 50.75	0.027	05	0.26	26.771	12	05.0	52.06	12	00.8	B9	GC	6644	P -56 840
53		7.7T	21 52.967	-0.0004	17	-51 21 43.49	-0.018	15	0.80	52.988	18	01.7	42.58	19	00.5	A2	GC	6649	C -51 1472
54	9.8E	9.4Z	21 55.017	0.0037	12	-51 41 5.67	0.042	12	0.81	54.850	63	05.0	7.54	57	05.0		CZ	2852	P -51 701
55		7.4T	22 0.914	0.0025	13	-56 51 45.04	0.002	11	0.61	0.791	18	05.8	45.12	18	00.8	K5	GC	6657	P -56 842
56		8.3T	22 8.073	-0.0044	12	-59 40 48.30	0.010	09	0.49	8.279	17	08.8	48.74	17	03.5	G5	GC	6659	P -59 463
57	10.5	9.5W	22 19.685	0.0016	09	-53 29 24.17	-0.000	09	0.20	19.666	15	38.0	24.17	18	38.0	G8	O C9	1740	P -53 856
58	11.0E	9.5*	22 19.904	-0.0026	12	-50 15 51.76	-0.016	12	0.63	20.027	31	03.1	51.02	28	03.1		CZ	2855	P -50 774
59	10.0	9.2W	22 40.863	-0.0022	07	-55 38 8.43	0.043	07	0.19	40.869	15	38.0	8.94	18	38.0	K0	C9	1742	P -55 801
60	9.7	9.9W	22 56.641	0.0008	06	-58 1 36.90	0.019	06	0.14	56.638	14	46.1	36.98	14	46.1	A0	C0	1338	P -58 500
61	9.4	8.3W	23 3.380	0.0031	11	-58 28 51.47	0.029	11	0.15	3.368	14	46.1	51.58	14	46.1	K2	C0	1339	P -58 501
62		7.7T	23 4.857	-0.0019	14	-53 28 21.51	-0.003	11	0.68	4.931	21	01.2	21.35	19	97.2	A2	GC	6679	P -53 859
63		8.5T	23 12.652	-0.0020	13	-58 8 20.66	-0.014	10	0.54	12.746	18	08.9	19.99	17	02.3	F0	GC	6684	P -58 502
64		6.8W	23 34.089	-0.0014	10	-52 21 21.56	-0.017	09	0.54	34.162	19	98.8	20.67	19	96.7	A0	GC	6692K	P -52 717
65		6.3T	23 38.040	-0.0018	09	-52 21 33.20	-0.029	07	0.48	38.141	18	94.4	31.39	17	86.9	A0	GC	6695K	P*-52 718
66	8.6	8.9W	23 40.937	0.0003	11	-59 59 52.73	0.011	11	0.15	40.936	14	46.1	52.78	14	46.1	F0	C0	1342	P -60 415
67		8.7T	23 41.223	0.0053	26	-52 39 52.41	-0.005	17	0.97	40.995	22	06.8	52.18	21	04.7	A3	GC	6697	P -52 719
68	9.4E	8.8Z	23 43.821	-0.0004	12	-50 32 17.07	0.073	12	0.70	43.838	45	05.0	20.36	45	05.0	G0	CZ	2865	P -50 778
69	8.7E	8.2Z	23 44.224	0.0022	12	-51 1 15.05	0.086	12	0.81	44.125	63	05.0	18.93	57	05.0	F8	CZ	2867	P -51 710
70	9.8E	9.2*	24 1.282	-0.0014	12	-50 47 4.39	-0.018	12	0.63	1.347	31	03.0	3.55	28	03.0	A	CZ	2871	P -50 779
71		8.6T	24 3.791	0.0007	15	-58 12 41.78	-0.008	11	0.64	3.756	19	05.4	41.39	18	01.3	F0	GC	6707K	P*-58 506
72		7.8T	24 6.600	-0.0004	15	-54 43 11.01	0.023	11	0.66	6.619	22	04.3	12.16	21	00.2	K2	GC	6708	P -52 722
73		7.2T	24 9.405	0.0016	15	-54 21 40.69	0.038	12	0.67	9.329	21	04.2	42.62	19	99.2	F2	GC	6711	P -54 832
74		8.1T	24 37.728	0.0078	12	-53 31 27.95	0.042	11	0.62	37.352	19	02.1	30.11	18	98.7	F5	GC	6722	P -53 863
75		8.2T	24 46.350	0.0010	12	-53 37 31.90	0.042	11	0.61	46.300	21	01.8	34.09	19	97.8	A2	GC	6727	P -53 864
76		7.9T	25 0.404	-0.0034	15	-56 38 36.31	0.029	11	0.67	0.577	21	04.0	37.82	19	99.0	K0	GC	6731	P -56 849
77		7.5T	25 18.765	0.0042	13	-58 36 11.29	-0.000	11	0.55	18.574	18	06.6	11.28	17	04.3	A0	GC	6738	P -58 509
78	9.5	9.6W	25 21.558	-0.0003	07	-56 41 12.16	0.057	07	0.14	21.559	14	46.1	12.38	14	46.1	A0	C0	1350	P -56 852
79	9.1	8.9W	25 32.551	-0.0014	11	-59 13 59.27	-0.048	11	0.15	32.557	14	46.1	59.08	14	46.1	F2	C0	1351	P -59 471
80	8.9	8.6W	25 34.733	-0.0052	06	-54 2 37.23	-0.062	06	0.18	34.795	15	38.0	36.48	18	38.0	F8	C9	1761	P -54 834
81		5.1T	25 35.249	-0.0017	07	-58 57 15.52	0.027	06	0.29	35.325	12	10.7	16.71	12	05.7	G5	GC	6749	P*-59 472
82	9.5	9.4W	25 53.566	-0.0007	11	-58 16 44.13	0.013	11	0.15	53.568	14	46.1	44.18	14	46.1	F0	C0	1355	P -58 510
83	10.5E	9.7H	26 7.820	-0.0014	12	-50 4 41.62	-0.028	12	0.63	7.887	31	03.1	40.31	28	03.1		CZ	2883	P -50 784
84	10.2	9.8W	26 9.489	-0.0019	09	-58 34 24.97	0.053	09	0.14	9.497	14	46.1	25.18	14	46.1	F8	O C0	1356	P -58 512
85	9.8	9.5W	26 27.362	-0.0020	15	-54 24 11.43	0.005	15	0.25	27.346	15	38.0	11.48	18	38.0	G0	O C9	1765	P -54 836
86	9.7	9.6W	26 39.463	-0.0102	07	-53 57 43.45	0.011	07	0.19	39.585	15	38.0	43.58	18	38.0	F2	O C9	1766	P*-54 837
87	10.7	9.6W	26 40.433	-0.0002	07	-54 11 55.19	0.024	07	0.19	40.436	15	38.0	55.48	18	38.0	G8	O C9	1767	P -54 838
88		8.2T	27 18.532	-0.0015	13	-53 55 27.42	-0.003	12	0.64	18.600	18	02.9	27.27	19	00.4	A0	GC	6799	P -53 876
89	9.5	9.3W	27 23.563	-0.0014	09	-57 42 20.45	0.033	09	0.14	23.568	14	46.1	20.58	14	46.1	A5	C0	1357	P -57 823
90	10.2	8.6W	27 33.476	-0.0001	07	-59 11 6.21	-0.009	07	0.14	33.477	14	46.1	6.18	14	46.1	MA	C0	1358	P -59 475
91	9.0E	7.8Z	27 38.965	-0.0011	12	-50 45 13.46	-0.024	12	0.63	39.017	31	03.0	12.34	28	03.0	K2	CZ	2900	P -50 789
92	9.7	8.6W	27 40.096	0.0020	07	-58 17 16.73	-0.040	07	0.14	40.088	14	46.1	16.58	14	46.1	K5	C0	1359	P -58 516
93	10.0	8.9W	27 40.859	0.0002	07	-58 24 44.92	0.040	07	0.14	40.858	14	46.1	45.08	14	46.1	K5	C0	1360	P -58 517
94	9.9E	9.0Z	27 41.133	0.0007	12	-51 36 56.10	-0.023	12	0.65	41.098	31	02.1	54.99	31	02.1	K0	CZ	2902	P -51 719
95	9.3	8.0W	27 41.671	0.0029	07	-51 58 57.92	0.029	07	0.19	41.636	15	38.0	58.27	18	38.0	K5	C9	1772	P -52 731
96	9.6	9.5W	28 24.875	-0.0026	13	-52 49 58.06	0.009	13	0.23	24.906	15	38.0	58.17	18	38.0	F6	O C9	1774	P -52 732
97	9.9	9.4W	28 38.785	0.0068	09	-57 53 12.12	0.016	09	0.14	38.758	14	46.1	12.18	14	46.1	F8	C0	1361	P -57 824
98		8.0T	28 39.714	-0.0023	13	-53 18 11.53	-0.044	12	0.63	39.823	18	03.3	9.35	19	00.5	F5	GC	6825	P -53 879
99	10.0	9.9W	28 53.023	0.0010	13	-56 15 36.25	0.031	13	0.15	53.020	14	46.1	36.37	14	46.1	F8	C0	1362	P -56 864
00	9.5E	9.2Z	29 1.801	0.0037	12	-50 34 16.61	0.030	12	0.70	1.634	45	05.0	17.98	45	05.0	G5	CZ	2914	P -50 790

234000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 5H DM NUMBER
1	9.4	8.9W	5 29 12.067	0.0034	07	-52 28 39.73	0.037	07	0.19	12.026	15	38.0	40.17	18	38.0	K0	C9	1776	P -52 735
2		7.9T	29 15.754	0.0007	20	-50 8 12.07	0.003	15	0.86	15.722	24	04.3	12.20	21	99.9	K5	GC	6840	C*-50 1810
3	10.2	9.2W	29 17.918	-0.0002	13	-56 38 42.24	-0.016	13	0.15	17.919	14	46.1	42.18	14	46.1	G5	CO	1363	P -56 867
4	10.0	9.2W	29 24.736	-0.0001	06	-58 34 49.47	0.028	06	0.14	24.736	14	46.1	49.58	14	46.1	K0	CO	1364	P -58 519
5	9.6E	9.5Z	29 31.308	-0.0003	12	-51 20 41.75	0.072	12	0.65	31.322	31	02.0	45.21	31	02.0	F8	CZ	2925	P -51 725
6	10.1	9.7W	29 37.680	0.0003	09	-53 16 17.37	-0.008	09	0.20	37.676	15	38.0	17.27	18	38.0	G0	C9	1779	P -53 883
7	8.9	8.9W	29 49.092	0.0007	07	-57 25 40.39	0.022	07	0.14	49.089	14	46.1	40.48	14	46.1	A3	CO	1365	P -57 829
8	9.4	9.1W	29 52.584	-0.0035	07	-54 56 3.88	0.068	07	0.19	52.626	15	38.0	4.69	18	38.0	F5	C9	1780	P -54 846
9		6.9T	29 54.026	-0.0043	12	-57 11 45.11	-0.003	10	0.52	54.225	18	08.6	44.95	18	03.8	A5	GC	6856	P -57 830
10	9.1E	8.2Z	30 1.402	-0.0053	12	-50 29 40.89	0.019	12	0.63	1.649	31	03.1	41.80	28	03.1	G5	CZ	2931	P -50 794
11	10.3E	9.5Z	30 1.406	0.0006	12	-51 34 25.74	-0.001	12	0.81	1.380	63	05.0	25.69	57	05.0		CZ	2933	P -51 726
12	10.1	9.0W	30 1.869	0.0025	07	-52 44 47.98	0.023	07	0.19	1.839	15	38.0	48.25	18	38.0	K	C9	1781	P -52 736
13	9.5	8.6W	30 4.692	-0.0022	07	-57 1 11.90	0.045	07	0.14	4.700	14	46.1	12.08	14	46.1	K2	CO	1367	P -57 831
14	9.2E	8.1N	30 18.696	0.0061	12	-50 6 0.67	-0.032	12	0.63	18.408	31	03.1	59.18	28	03.1	K0	CZ	2934	P -50 795
15	9.2E	9.0Z	30 48.684	0.0009	12	-50 46 58.90	-0.011	12	0.70	48.644	45	05.0	58.42	45	05.0	F5	CZ	2937	P -50 796
16	9.9	9.4W	30 58.327	-0.0018	07	-53 33 45.72	-0.021	07	0.19	58.349	15	38.0	45.46	18	38.0	F3	C9	1783	P -53 886
17	9.6	8.4W	31 0.108	-0.0005	06	-57 17 20.95	0.007	06	0.14	0.110	14	46.1	20.98	14	46.1	K5	CO	1368	P -57 834
18	9.4	8.6W	31 8.714	-0.0004	07	-53 50 22.03	-0.014	07	0.19	8.719	15	38.0	21.86	18	38.0	K5	C9	1784	P -53 888
19	9.2	8.2W	31 29.184	-0.0029	07	-54 32 0.81	-0.003	07	0.19	29.219	15	38.0	0.77	18	38.0	K2	C9	1785	P -54 850
20	10.3E	9.8Z	31 43.140	0.0012	12	-50 35 59.60	0.033	12	0.70	43.086	45	04.6	+ 1.11	45	04.6		CZ	2950	P -50 801
21	7.6E	8.0Z	32 7.541	-0.0003	12	-51 40 26.85	0.064	12	0.65	7.553	31	02.1	29.91	31	02.1	F0	CZ	2953	P -51 729
22	9.5E	9.2Z	32 12.653	0.0006	12	-50 53 21.98	0.035	12	0.70	12.627	45	04.6	23.57	45	04.6	F5	CZ	2955	P -50 803
23	9.8E	8.7*	32 24.658	0.0007	12	-51 5 55.72	0.024	12	0.65	24.625	31	02.1	56.87	31	02.1	K0	CZ	2956	P -51 730
24		8.1T	32 34.076	-0.0002	15	-56 36 22.10	-0.023	12	0.68	34.084	21	03.5	20.95	19	99.4	K0	GC	6924	P -56 874
25		6.8T	32 43.206	0.0020	12	-57 6 59.55	0.030	10	0.55	43.104	18	04.0	+ 1.06	18	00.1	F0	GC	6928	P -57 837
26		6.4T	32 44.709	0.0064	07	-54 56 5.62	0.012	05	0.29	44.443	14	08.3	6.20	14	01.1	F5	GC	6929K	P -54 854
27	9.3	9.2W	32 44.889	0.0006	13	-59 35 51.27	0.002	13	0.15	44.887	14	46.1	51.28	14	46.1	F2	CO	1373	P -59 482
28	10.0	10.0W	32 45.824	0.0029	09	-52 24 24.19	-0.020	09	0.20	45.789	15	38.0	23.95	18	38.0	F0	C9	1792	P -52 743
29	10.3	9.4W	32 54.348	-0.0006	09	-56 49 45.47	-0.024	09	0.14	54.350	14	46.1	45.38	14	46.1	G8	CO	1374	P -56 876
30	9.2E	8.8Z	33 12.086	-0.0010	12	-51 39 49.48	0.040	12	0.81	12.130	63	05.0	51.27	57	05.0	F2	CZ	2963	P -51 733
31		7.2T	33 17.759	0.0008	16	-52 39 39.66	0.042	12	0.70	17.725	21	04.9	41.72	19	00.7	K0	GC	6949	P -52 744
32	9.9	9.2W	33 20.673	0.0015	07	-59 58 54.91	-0.009	07	0.14	20.667	14	46.1	54.88	14	46.1	K0	CO	1272	P -60 440
33	10.1	8.6W	33 44.674	0.0011	15	-55 17 13.39	0.055	15	0.25	44.661	15	38.0	14.05	18	38.0	K5	C9	1794	P -55 835
34	10.2	10.0W	33 51.600	0.0001	10	-57 43 41.45	0.008	10	0.15	51.599	14	46.1	41.48	14	46.1	F2	CO	1377	P -57 844
35	9.6	9.3W	34 1.378	0.0017	13	-56 1 51.21	-0.010	13	0.15	1.371	14	46.1	51.17	14	46.1	F2	CO	1379	P -56 878
36	11.5E	10.0*	34 10.553	-0.0018	12	-50 51 0.38	0.041	12	0.64	10.640	31	02.7	2.32	28	02.7		CZ	2973	P -50 807
37		6.5T	34 18.909	-0.0048	12	-58 54 7.95	0.018	11	0.55	19.137	19	05.4	8.83	18	02.1	K2	GC	6977	P -58 526
38	9.3	9.1W	34 20.424	-0.0046	15	-54 15 57.51	0.063	15	0.25	20.479	15	38.0	58.26	18	38.0	F5	C9	1799	P -54 857
39	9.8	10.0W	34 23.906	-0.0011	07	-52 52 32.79	0.014	07	0.19	23.919	15	38.0	32.95	18	38.0	A	C9	1800	P -52 746
40	10.3E	8.9Z	34 27.687	0.0016	12	-51 45 42.43	-0.006	12	0.81	27.614	63	05.0	42.15	57	05.0	K2	CZ	2978	P -51 737
41	10.2E	9.0Z	34 33.938	0.0033	12	-51 32 33.84	0.012	12	0.81	33.789	63	05.0	34.37	57	05.0		CZ	2981	P -51 738
42	10.2E	9.2Z	34 35.855	0.0010	12	-51 21 15.97	0.018	12	0.81	35.811	63	05.0	16.79	57	05.0		CZ	2982	P -51 739
43	9.4	8.9W	34 47.254	0.0035	09	-57 10 5.07	0.002	09	0.14	47.240	14	46.1	5.08	14	46.1	F8	CO	1381	P -57 847
44	9.9	8.7W	34 58.646	-0.0002	15	-53 2 20.11	0.020	15	0.25	58.649	15	38.0	20.35	18	38.0	K0	C9	1801	P -53 897
45	9.8	9.5W	35 19.877	-0.0062	07	-55 26 24.20	0.037	07	0.19	19.951	15	38.0	24.65	18	38.0	F5	C9	1803	P -55 839
46	8.7E	8.5Z	35 23.534	0.0037	12	-51 48 16.48	0.007	12	0.65	23.356	31	02.1	16.80	31	02.1	F2	CZ	2991	P -51 741
47		7.5T	35 32.178	0.0002	15	-57 29 16.41	0.050	11	0.61	32.167	18	07.3	18.70	17	04.4	M0	GC	7003	P -57 851
48	8.6	8.8W	35 38.955	0.0005	07	-52 48 59.74	-0.007	07	0.19	38.949	15	38.0	59.65	18	38.0	A0	C9	1806	P -52 748
49	8.9	8.6W	35 52.466	-0.0027	07	-51 58 37.08	-0.044	07	0.19	52.499	15	38.0	36.56	18	38.0	F2	C9	1807	P -52 749
50	9.0E	8.0Z	35 54.980	-0.0019	12	-50 26 15.35	-0.002	12	0.64	55.068	31	02.7	15.26	28	02.7	K0	CZ	2998	P -50 810
51		8.4T	5 36 0.318	-0.0007	15	-56 12 59.96	0.028	12	0.69	0.353	21	02.9	+ 1.41	19	98.5	K5	GC	7018	P -56 886
52	9.5	8.2W	36 14.815	0.0005	06	-53 43 35.92	-0.005	06	0.18	14.809	15	38.0	35.86	18	38.0	K5	C9	1810	P -53 901
53	9.7	8.8W	36 20.459	0.0005	07	-59 31 31.11	0.018	07	0.14	20.457	14	46.1	31.18	14	46.1	K0	CO	1385	P -59 485
54		7.7T	36 35.871	0.0005	16	-53 33 48.05	0.024	12	0.70	35.847	22	04.7	49.23	19	00.4	A2	GC	7045	P -53 903
55	9.8	9.5W	36 37.117	-0.0018	15	-53 31 36.35	0.076	15	0.25	37.139	15	38.0	37.26	18	38.0	F6	C9	1813	P -53 904
56		7.8T	36 48.058	0.0008	13	-54 35 34.58	0.109	11	0.63	48.021	19	02.7	40.13	19	99.0	G5	GC	7051K	P -54 867
57		8.3T	36 50.651	0.0008	16	-54 50 39.52	0.016	17	0.76	50.617	22	05.9	40.22	22	05.8	K2	GC	7053	P -54 868
58	10.1	9.4W	36 59.887	-0.0007	11	-57 50 13.39	-0.029	11	0.15	59.890	14	46.1	13.28	14	46.1	G5	CO	1388	P -57 857
59		6.6T	37 4.720	-0.0013	16	-50 40 6.16	0.014	13	0.75	4.780	19	01.8	6.85	18	98.6	A0	GC	7059	C -50 1864
60	9.8	9.4W	37 16.401	0.0002	13	-56 44 24.21	-0.008	13	0.15	16.400	14	46.1	24.18	14	46.1	F5	CO	1389	P*-56 895
61	8.9	8.7W	37 17.265	0.0019	13	-59 48 14.55	0.033	13	0.15	17.258	14	46.1	14.68	14	46.1	F0	CO	1288	P -59 490
62	9.3	9.2W	37 24.415	-0.0013	07	-57 14 5.35	0.033	07	0.14	24.420	14	46.1	5.48	14	46.1	A2	CO	1391	P -57 859
63		7.1T	37 26.810	-0.0057	12	-54 58 50.56	0.004	10	0.61	27.089	21	01.3	50.76	19	97.1	K2	GC	7070	P -55 845
64	9.8	8.8W	37 28.630	-0.0016	07	-52 3 52.35	0.042	07	0.19	28.649	15	38.0	52.85	18	38.0	K0	C9	1819	P -52 755
65		7.1T	37 33.968	0.0011	10	-59 8 37.06	0.009	09	0.46	33.913	17	06.8	37.52	17	01.4	A2	GC	7073	P -59 491
66	9.1	8.8W	37 39.347	0.0090	15	-52 30 59.03	0.060	15	0.25	39.239	15	38.0	59.75	18	38.0	G0	C9	1820	P -52 756
67	9.2E	9.0Z	37 44.055	-0.0056	12	-51 39 53.65	-0.009	12	0.65	44.323	31	02.0	53.21	31	02.0	A5	CZ	3025	P -51 746
68	9.9E	9.6Z	37 47.248	0.0004	12	-50 1 50.88	-0.003	12	0.70	47.228	45	04.5	50.74	45	04.5	A	CZ	3024	P -50 815
69	10.2	9.8W	37 50.412	0.0009	07	-59 6 4.29	-0.003	07	0.14	50.408	14	46.1	4.28	14	46.1		CO	1393	P*-59 492
70	9.2E	9.0Z	37 50.647	-0.0005	12	-50 9 39.30	0.033	12	0.70	50.667	45	04.5	40.81	45	04.5	G5	CZ	3026	P -50 816
71	9.3E	9.0Z	37 50.706	0.0002	12	-50 9 31.33	0.004	12	0.70	50.695	45	04.5	31.51	45	04.5	G5	CZ	3027	P -50 816
72	9.1	8.5W	37 53.017	0.0043	11	-58 17 47.79	0.047	11	0.15	53.000	14	46.1	47.98	14	46.1	K0	CO	1394	P -58 535
73		7.2T	38 23.933	0.0002	11	-58 59 2.23	0.035	10	0.50	23.922	17	07.8	3.93	17	02.1	K0	GC	7093	P -59 495
74	10.2	9.6W	38 26.018	-0.0044	15	-55 37 52.58	0.147	15	0.25	26.070	15	38.0	54.34	18	38.0	G0	C9	1824	P -55 848
75	10.5	9.6W	38 38.935	0.0014	11	-58 7 10.16	0.006	11	0.15	38.930	14	46.1	10.18	14	46.1	G8	CO	1396	P -58 536
76	9.9	9.7W	38 46.937	-0.0034	09	-57 12 22.86	0.005	09	0.14	46.951	14	46.1	22.88	14	46.1	A0	CO	1397	P -57 865
77	9.5E	9.0Z	38 49.153	0.0006	12	-50 42 32.01	-0.016	12	0.70	49.126	45	04.5	31.29	45	04.5	A0	CZ	3039	P -50 819
78	10.4	9.9W	38 49.690	0.0001	09	-53 19 0.39	0.022	09	0.20	49.689	15	38.0	0.65	18	38.0	F8	C9	1827	P -53 913
79	10.1	9.5W	39 10.910	-0.0053	13	-56 55 24.44	0.010	13	0.15	10.930	14	46.1	24.48	14	46.1	G5	CO	1398	P -56 899
80	10.1	9.0W	39 18.793	0.0008	07	-56 31 53.90	-0.006	07	0.14	18.790	14	46.1	53.88	14	46.1	K0	CO	1400	P -56 901
81	10.6	9.8W	39 28.107	-0.0028	09	-59 17 27.81	-0.009	09	0.14	28.118	14	46.1	27.78	14	46.1	G4	CO	1401	P -59 497
82	10.2	9.9W	39 30.945	-0.0003	09	-53 14 59.07	0.015	09	0.20	30.949	15	38.0	59.25	18	38.0	F8	C9	1829	P -53 914
83	9.8	9.9W	39 34.442	0.0006	13	-57 51 27.35	0.058	13	0.15	34.440	14	46.1	27.58	14	46.1	A5	CO	1402	P -57 868
84		10.0T	39 35.880	-0.0059	28	-56 14 31.22	-0.030	20	1.09	36.147	26	07.5	29.87	24	04.5	G	GC	7125	P -56 903
85		7.7T	39 37.972	0.0013	14	-53 14 29.34	0.021	12	0.67	37.912	18	02.2	30.41	19	98.4	A2	GC	7128	P -53 916
86	8.7	8.6W	39 38.360	0.0026	07	-53 5 56.40	0.063	07	0.19	38.329	15	38.0	57.15	18	38.0	F0	C9	1831	P -53 915
87	10.4	8.8W	39 51.105	0.0014	07	-51 52 42.69	0.005	07	0.19	51.089	15	38.0	42.75	18	38.0	K2	C9	1833	P -51 756
88	9.5	8.0W	40 2.024	-0.0004	07	-54 45 46.03	-0.030	07	0.19	2.029	15	38.0	45.67	18	38.0	K5	C9	1834	P -54 874
89	10.0	9.6W	40 9.796	0.0006	07	-51 59 35.97	0.099	07	0.19	9.789	15	38.0	37.16	18	38.0	G5	C9	1836	P -52 763
90		7.7T	40 10.415	-0.0006	16	-54 29 13.74	-0.013	10	0.67	10.441	21	04.0	13.04	19	96.7	K5	GC	7143	P -54 876
91	10.2E	8.5Z	40 11.254	0.0003	12	-50 46 41.01	0.020	12	0.64	11.241	31	02.7	41.96	28	02.7	K5	CZ	3050	P -50 824
92	9.3	9.3W	40 23.673	0.0007	06	-57 27 52.88	0.026	06	0.14	23.671	14	46.1	52.98	14	46.1	A2	CO	1405	P -57 872
93	9.6	9.6W	40 27.342	-0.0022	07	-57 24 35.64	0.009	07	0.14	27.351	14	46.1	35.68	14	46.1	A0	CO	1406	P -57 873
94	9.2	7.9W	40 27.658	0.0025	06	-58 31 21.23	0.039	06	0.14	27.668	14	46.1	21.38	14	46.1	K5	CO	1407	P -58 541
95	10.2	9.1W	40 31.304	-0.0029	15	-52 16 59.62	0.045	15	0.25	31.339	15	38.0	+ 0.16	18	38.0	K0	C9	1840	P -52 764
96	9.5E	8.9H	40 34.661	0.0060	12	-50 1 42.21	0.063	12	0.70	34.386	45	04.5	45.08	45	04.5	G5	CZ	3053D	P*-50 826
97	9.6	9.6W	40 42.547	-0.0018	07	-52 39 5.89	0.022	07	0.19	42.569	15	38.0	6.15	18	38.0	F2	C9	1841	P -52 765
98		7.8T	40 45.346	0.0021	12	-56 27 40.15	0.026	10	0.56	45.240	18	07.0	41.46	18	00.2	K0	GC	7157	P -56 959
99	8.5	8.3W	40 46.743	0.0039	06	-59 47 26.95	0.059	06	0.14	46.728	14	46.1	27.18	14	46.1	F0	CO	1302	P -59 499
00	9.3	8.2W	40 50.182	0.0019	07	-52 0 54.61	-0.030	07	0.19	50.169	15	38.0	54.25	18	38.0	K2	C9	1842	P -52 767

234100

EPOCH 1950 — ORIGINAL EPOCH — -50° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.0	9.8W	5 40 54.933	-0.0065	15	-55 17 30.90	0.062	15	0.25	55.011	15	38.0	31.65	18	38.0	G0	O	C9	1843	P -55 857
2	10.0E	9.4Z	41 3.038	-0.0011	12	-50 5 31.42	0.001	12	0.70	3.085	45	04.5	31.47	45	04.5	A5		CZ	3054	P -50 827
3	9.9E	9.0Z	41 14.156	0.0022	12	-50 29 55.78	0.154	12	0.70	14.056	45	04.5	2.80	45	04.5	G5		CZ	3061	P -50 828
4	9.9	9.3W	41 52.025	-0.0038	09	-57 56 10.19	0.124	09	0.14	52.040	14	46.1	17.64	14	46.1	G5	O	C0	1411	P -57 875
5	9.9	10.0W	42 7.472	0.0005	09	-57 28 32.53	0.011	09	0.14	7.471	14	46.1	32.58	14	46.1	A3	O	C0	1413	P -57 877
6	9.9E	9.0Z	42 17.520	-0.0002	12	-50 29 1.99	0.051	12	0.64	17.520	31	02.7	4.41	28	02.7	G0		CZ	3074D	P*-50 829
7	8.7	8.6W	42 20.738	0.0016	07	-54 50 26.51	0.030	07	0.19	20.719	15	38.0	26.87	18	38.0	F0		C9	1845	P -54 880
8	10.0	9.8W	42 35.721	0.0002	07	-53 42 17.86	-0.008	07	0.19	35.719	15	38.0	17.76	18	38.0	F5	O	C9	1846	P -53 924
9	10.0	9.4W	42 55.070	0.0001	07	-52 4 6.10	0.046	07	0.19	55.069	15	38.0	6.66	18	38.0	K0		C9	1848	P -52 769
10	10.1	9.0W	42 56.325	0.0030	07	-53 23 49.13	-0.073	07	0.19	56.289	15	38.0	48.25	18	38.0	G5	O	C9	1849	P -53 925
11	10.9E	9.8*	43 4.529	0.0014	12	-51 22 3.94	0.016	12	0.65	4.463	31	02.0	4.71	31	02.0			CZ	3080	P -51 764
12		7.6T	43 17.625	-0.0023	10	-55 42 57.13	0.047	09	0.52	17.749	19	99.6	59.72	18	95.2	F8		GC	7211	P -55 862
13	9.7	9.5W	43 26.025	-0.0006	07	-59 57 56.22	-0.012	07	0.14	26.027	14	46.1	56.18	14	46.1	F3	O	C0	1418	P -59 503
14	8.3	8.4W	43 26.192	-0.0014	06	-52 37 26.14	-0.032	06	0.18	26.209	15	38.0	25.75	18	38.0	A5		C9	1852	P -52 772
15		7.7T	43 28.656	-0.0030	15	-56 56 9.96	0.016	11	0.66	28.806	21	04.2	10.78	19	99.4	A0		GC	7215	P -56 928
16	9.2	8.9W	43 52.302	0.0006	06	-56 44 3.00	-0.006	06	0.14	52.300	14	46.1	2.98	14	46.1	F0		C0	1421	P -56 932
17	10.1E	9.0Z	43 52.568	-0.0054	12	-50 55 40.93	-0.008	12	0.70	52.814	45	04.5	40.57	45	04.5			CZ	3089	P -50 837
18	9.1E	9.5Z	43 59.053	-0.0026	12	-50 51 46.67	-0.012	12	0.70	59.172	45	04.5	46.13	45	04.5	A0		CZ	3090	P -50 839
19	9.0E	9.0Z	44 0.152	-0.0026	12	-50 58 7.95	0.008	12	0.70	0.271	45	04.5	8.32	45	04.5	F2		CZ	3092	P -51 766
20	9.0E	8.5Z	44 1.454	0.0079	12	-50 13 36.41	-0.044	12	0.64	1.078	31	02.7	34.32	28	02.7	G0		CZ	3091	P -50 838
21		8.4T	44 19.382	-0.0015	11	-55 44 33.61	-0.017	09	0.55	19.462	21	99.8	32.69	18	95.3	F5		GC	7234K	P*-55 864
22	9.1	9.1W	44 33.425	-0.0003	07	-52 41 53.44	-0.019	07	0.19	33.429	15	38.0	53.35	18	38.0	A3		C9	1856	P -52 776
23		7.7T	44 34.135	-0.0022	10	-55 35 45.84	0.002	09	0.53	34.254	21	98.9	45.96	19	95.1	F0		GC	7243	P -55 865
24	9.8	9.2W	44 35.025	-0.0032	08	-59 56 37.56	0.107	08	0.14	35.037	14	46.1	37.98	14	46.1	G5	O	C0	1422	P -59 509
25	8.7	8.7W	44 48.977	0.0015	07	-52 45 24.16	0.035	07	0.19	48.959	15	38.0	24.55	18	38.0	A3		C9	1858	P -52 778
26	8.9E	8.5Z	45 0.260	0.0013	12	-50 53 20.37	0.002	12	0.70	0.202	45	04.5	20.47	45	04.5	K0		CZ	3102	P -50 843
27	9.0	8.6W	45 4.777	0.0066	13	-56 28 9.09	0.020	13	0.15	4.751	14	46.1	9.17	14	46.1	F2		C0	1423	P -56 936
28		6.6T	45 23.275	0.0049	14	-53 14 3.75	-0.132	12	0.66	23.045	18	02.8	57.18	19	00.3	G0		GC	7267	P -53 933
29		8.0T	45 27.934	-0.0005	12	-55 57 14.42	-0.020	09	0.58	27.959	21	00.8	13.33	18	94.8	F0		GC	7268	P -55 870
30	9.1	8.9W	45 32.741	-0.0043	06	-58 47 30.10	-0.005	06	0.14	32.758	14	46.1	30.08	14	46.1	F2		C0	1424	P -58 560
31	8.5E	8.5Z	45 34.759	-0.0006	12	-50 52 18.09	0.019	12	0.64	34.788	31	02.7	18.99	28	02.7	A2		CZ	3116	P -50 846
32	10.0	10.0W	45 35.032	0.0036	15	-52 18 41.61	0.012	15	0.24	34.989	15	38.1	41.76	18	38.1	A8	O	C9	1864	P -52 782
33	9.7	9.8W	46 5.603	-0.0005	07	-54 18 55.40	0.022	07	0.18	5.609	15	38.1	55.66	18	38.1	A1	O	C9	1866	P -54 890
34		3.9T	46 5.935	0.0005	06	-51 5 1.75	0.087	04	0.27	5.911	12	05.6	6.30	10	97.4	A3		GC	7287	C*-51 1620
35	9.3	9.3W	46 10.196	-0.0021	15	-55 35 0.93	0.026	15	0.24	10.220	15	38.1	1.24	18	38.1	A0		C9	1867	P -55 871
36	10.2E	9.0Z	46 11.127	0.0018	12	-51 44 10.48	-0.030	12	0.65	11.040	31	02.0	9.03	31	02.0	G0		CZ	3125	P -51 775
37		6.0T	46 12.477	-0.0022	16	-54 22 37.08	-0.008	12	0.71	12.575	22	04.6	36.67	19	00.3	K5		GC	7289	P -54 892
38	9.0	8.7W	46 18.921	0.0010	07	-54 51 26.89	0.032	07	0.18	18.909	15	38.1	27.27	18	38.1	F8		C9	1869	P -54 894
39		8.6T	46 22.568	-0.0039	16	-54 0 45.89	0.008	16	0.76	22.743	22	04.9	46.25	21	04.4	B9		GC	7295	P -54 893
40	9.3E	9.2H	46 31.945	-0.0002	12	-50 3 34.60	-0.005	12	0.70	31.957	45	04.5	34.37	45	04.5	G5		CZ	3127	P -50 851
41	8.5	8.5W	46 35.318	-0.0045	07	-55 3 9.09	0.038	07	0.18	35.371	15	38.1	9.55	18	38.1	A2		C9	1873	P -55 874
42	10.0	8.5W	46 46.189	-0.0029	07	-56 49 55.26	-0.020	07	0.14	46.200	14	46.1	55.18	14	46.1	K5		C0	1428	P*-56 939
43	8.6	8.8W	46 49.021	0.0010	07	-53 38 59.55	-0.007	07	0.18	49.009	15	38.1	59.46	18	38.1	A0		C9	1875	P -53 940
44	10.0	9.8W	47 16.778	-0.0026	13	-52 40 19.50	0.004	13	0.23	16.809	15	38.1	19.55	18	38.1	F6	O	C9	1876	P -52 786
45	8.8	7.8W	47 30.870	0.0060	07	-53 41 21.46	-0.117	07	0.18	30.799	15	38.1	20.06	18	38.1	K0		C9	1877	P -53 941
46	9.3	8.8W	47 50.171	-0.0001	13	-55 52 13.14	0.033	13	0.15	50.171	14	46.1	13.27	14	46.1	G0		C0	1430	P -55 879
47	9.2	8.4W	47 52.693	0.0012	07	-53 28 37.27	0.049	07	0.18	52.679	15	38.1	37.85	18	38.1	G5		C9	1883	P -53 943
48	9.7	9.2W	47 54.778	-0.0034	07	-53 26 58.91	0.062	07	0.18	54.819	15	38.1	59.65	18	38.1	G1	O	C9	1884	P -53 944
49	10.3	9.3W	48 34.443	-0.0012	08	-58 41 4.85	0.007	08	0.14	34.448	14	46.1	4.88	14	46.1	K0	O	C0	1431	P -58 573
50	9.4	9.0W	48 37.692	-0.0014	07	-54 55 29.36	0.077	07	0.18	37.679	15	38.1	30.27	18	38.1	G5		C9	1885	P -54 903
51	9.9	9.1W	5 48 40.636	-0.0013	15	-55 24 32.34	0.009	15	0.24	40.651	15	38.1	32.45	18	38.1	G3	O	C9	1887	P -55 883
52		7.4T	48 44.240	0.0021	18	-51 3 8.01	0.014	13	0.80	44.140	22	03.5	8.71	21	98.1	K0		GC	7347	C -51 1635
53	10.7E	9.9*	48 51.338	-0.0001	12	-50 1 32.47	-0.016	12	0.64	51.341	31	02.7	31.72	28	02.7			CZ	3149	P -50 855
54		4.4H	48 55.024	0.0092	03	-56 10 42.89	-0.074	03	0.12	54.741	07	19.2	40.55	06	18.2	K0		F4	1156	P -56 946
55	9.4E	9.5Z	48 59.782	-0.0030	12	-50 54 22.55	-0.022	12	0.62	59.924	28	03.1	21.52	26	03.1	G0		CZ	3152	P -50 856
56	9.2	8.9W	49 2.403	-0.0010	06	-59 51 9.79	0.021	06	0.14	2.407	14	46.1	9.88	14	46.1	G0		C0	1338	P -59 522
57		8.0T	49 13.410	0.0007	17	-55 37 35.36	-0.006	12	0.71	13.373	22	05.5	35.07	19	99.5	G0		GC	7366	P -55 887
58		7.4T	49 13.697	-0.0011	14	-55 5 41.20	0.078	11	0.66	13.752	21	02.6	45.28	19	97.8	F0		GC	7367	P -55 886
59	9.2	8.9W	49 18.110	0.0049	13	-56 49 8.83	0.012	13	0.15	18.090	14	46.1	8.88	14	46.1	F2		C0	1434	P -56 949
60		7.4T	49 18.162	-0.0009	14	-55 4 0.35	0.055	12	0.66	18.204	21	03.6	3.10	19	00.2	K2		GC	7368	P -55 888
61	9.5E	9.2*	49 19.758	0.0011	12	-51 36 55.24	0.009	12	0.64	19.706	31	02.7	55.65	28	02.7			CZ	3157	P -51 782
62		6.3T	49 22.852	-0.0032	10	-52 46 48.75	0.016	08	0.51	23.016	19	99.3	49.64	18	93.9	+++		GC	7370	P*-52 791
63	10.1	9.4W	49 27.592	-0.0014	15	-54 39 13.77	0.042	15	0.24	27.609	15	38.1	14.27	18	38.1	G4	O	C9	1892	P -54 905
64	9.9	9.6W	49 29.648	-0.0028	15	-55 18 4.31	0.062	15	0.24	29.681	15	38.1	5.05	18	38.1	F5	O	C9	1893	P -55 889
65		8.1T	49 33.675	-0.0016	18	-53 25 44.87	-0.042	17	0.80	33.747	21	06.3	43.00	21	05.7	A5		GC	7375	P -53 950
66	10.3	9.3W	49 34.422	0.0011	09	-53 20 25.19	-0.020	09	0.20	34.409	15	38.1	24.95	18	38.1	G5	O	C9	1895	P -53 951
67	9.8	9.6W	49 39.006	-0.0006	09	-59 23 47.31	-0.009	09	0.14	39.008	14	46.1	47.28	14	46.1	F2	O	C0	1435	P -59 524
68	9.4E	8.5Z	49 41.451	-0.0002	12	-50 43 16.57	0.051	12	0.70	41.461	45	04.1	18.92	45	04.1	K2		CZ	3162	P -50 857
69		5.0H	49 45.298	0.0009	04	-52 7 10.74	-0.078	04	0.15	45.269	08	17.9	8.17	07	17.1	K0		F4	1159	P -55 794
70	9.0E	8.5Z	49 46.562	-0.0033	12	-50 39 15.14	0.062	12	0.70	46.714	45	04.1	18.00	45	04.1	G0		CZ	3166	P -50 858
71	9.1	9.0W	49 52.280	0.0025	07	-56 55 1.29	-0.002	07	0.14	52.270	14	46.1	1.28	14	46.1	A3		C0	1437	P -56 952
72	9.2E	8.5Z	49 57.664	0.0026	12	-50 16 6.84	0.033	12	0.70	57.543	45	04.1	8.36	45	04.1	K0		CZ	3169	P -50 859
73		9.5T	50 19.672	-0.0005	18	-53 35 43.59	-0.014	13	0.76	19.692	22	06.6	42.91	21	01.9	A3		GC	7395	P -53 953
74		8.3T	50 25.992	-0.0001	14	-53 39 58.71	-0.043	12	0.66	25.995	19	02.9	56.55	19	00.0	F0		GC	7401	P -53 954
75	10.1	9.8W	50 50.530	-0.0024	07	-53 2 18.67	-0.161	07	0.18	50.559	15	38.1	16.75	18	38.1	G0	O	C9	1901	P -53 955
76	9.9	10.1W	50 51.194	-0.0012	07	-58 44 15.76	0.004	07	0.14	51.198	14	46.1	15.78	14	46.1	G		C0	1438	P -58 581
77	9.4E	9.3Z	50 53.216	0.0014	12	-50 52 35.18	0.019	12	0.70	53.152	45	04.1	36.06	45	04.1	G0		CZ	3178	P -50 863
78	9.3E	9.5Z	51 1.972	-0.0012	12	-50 22 53.76	-0.027	12	0.64	2.027	31	02.4	52.47	28	02.4	F5		CZ	3182	P -50 865
79		6.7T	51 16.296	-0.0009	17	-52 3 53.66	-0.020	12	0.70	16.338	21	05.3	52.67	19	00.2	M0		GC	7415	P -52 799
80		7.6T	51 24.659	-0.0001	13	-56 28 22.07	-0.002	11	0.61	24.662	21	02.9	21.98	19	99.6	K0		GC	7418	P -56 956
81		6.0T	51 29.881	0.0027	10	-57 9 53.65	-0.077	05	0.35	29.749	12	09.4	49.96	10	01.9	F5		GC	7422	P -57 901
82	8.6	8.7W	51 34.656	-0.0013	11	-56 12 36.85	0.056	11	0.15	34.661	14	46.1	37.07	14	46.1	A2		C0	1441	P -56 958
83		8.7T	51 39.814	-0.0030	15	-57 54 42.63	0.047	11	0.61	39.953	18	07.3	44.76	17	04.4	G5		GC	7424	P -57 903
84		10.0T	51 42.920	-0.0026	20	-57 53 57.42	0.014	13	0.73	43.039	21	09.4	58.03	19	05.0	A		GC	7425	P -57 904
85		8.9T	51 57.564	-0.0044	17	-52 31 16.98	0.050	13	0.72	57.759	22	06.0	19.27	22	04.0	K0		GC	7435	P -52 860
86	10.2	8.7W	52 3.293	0.0006	09	-56 31 29.99	-0.004	09	0.14	3.290	14	46.1	29.98	14	46.1	K		C0	1445	P -56 961
87	9.6E	9.0Z	52 8.939	0.0015	12	-51 3 43.30	0.015	12	0.81	8.871	63	04.1	43.99	57	04.1	K2		CZ	3199	P -51 792
88	10.1	9.1W	52 34.976	0.0006	07	-54 3 51.30	0.014	07	0.18	34.969	15	38.1	51.46	18	38.1	G8	O	C9	1909	P -54 914
89	8.9	8.4W	52 43.883	-0.0019	06	-56 40 40.93	-0.039	06	0.14	43.890	14	46.1	40.78	14	46.1	G5		C0	1446	P -56 964
90	10.3	8.6W	52 56.404	-0.0006	15	-55 6 4.50	0.063	15	0.24	56.411	15	38.1	5.25	18	38.1	M0	O	C9	1911	P -55 902
91		6.5T	52 57.199	0.0080	17	-50 22 39.58	0.571	13	0.77	56.817	17	02.2	8.43	18	99.5	K0		GC	7462	C -50 1977
92	9.6	9.5W	53 8.434	-0.0029	07	-53 42 47.31	-0.029	07	0.18	8.469	15	38.1	46.96	18	38.1	F2		C9	1912	P -53 961
93		9.2T	53 8.755	-0.0073	27	-51 50 59.12	0.031	22	1.14	9.083	21	05.3	0.53	21	04.6	K0		GC	7467	C -51 1669
94	9.8	9.6W	53 9.782	0.0011	15	-53 13 10.84	0.018	15	0.24	9.769	15	38.1	11.05	18	38.1	G0	O	C9	1913	P -53 960
95	8.6	8.8W	53 18.536	-0.0012	07	-56 11 6.23	0.010	07	0.14	18.541	14	46.1	6.27	14	46.1	A2		C0	1447	P -56 967
96	8.8	8.6W	53 32.448	0.0028	08	-59 46 45.56	0.031	08	0.14	32.437	14	46.1	45.68	14	46.1	F2		C0	1364	P -59 538
97	9.7	9.0W	53 36.023	-0.0040	15	-55 51 14.59	0.206	15	0.24	36.070	15	38.1	17.04	18	38.1	K0		C9	1914	P -55 903
98	7.9	7.8W	53 42.872	0.0053	06	-53 34 58.14	0.002	06	0.18	42.809	15	38.1	58.16	18	38.1	A3		C9	1915	P -53 964
99		5.3T	53 43.986	-0.0013	07	-52 38 44.64	0.249	06	0.29	44.039	14	10.6	55.51	12	06.3	A5		GC	7479	P -52 805
00		7.7T	53 48.851	0.0044	16	-50 59 43.57	0.022	13	0.75	48.633	18	01.0	44.74	17	98.3	F2		GC	7482	C -51 1671

234200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-50° 5H DM NUMBER
1	9.6E	8.9*	5 53 53.827	-0.0057	12	-50 35 40.22	0.044	12	0.64	54.098	31	02.4	42.31	28	02.4			CZ	3219	P -50 870
2	9.5	8.7W	53 56.026	-0.0019	07	-53 32 3.52	-0.013	07	0.18	56.049	15	38.1	3.36	18	38.1	K2		C9	1917	P -53 965
3	9.1	8.8W	54 2.711	-0.0000	07	-55 14 9.09	-0.088	07	0.18	2.711	15	38.1	8.05	18	38.1	F8		C9	1918	P -55 904
4	9.2	9.2W	54 11.683	-0.0017	07	-58 9 20.95	0.007	07	0.14	11.690	14	46.1	20.98	14	46.1	A5		C0	1450	P -58 593
5		7.2T	54 16.466	0.0010	15	-59 36 54.32	0.034	11	0.62	16.416	19	06.0	56.01	18	00.7	K0		GC	7498	P -59 540
6	9.5	9.4W	54 26.379	-0.0008	07	-53 32 33.06	-0.000	07	0.18	26.389	15	38.1	33.06	18	38.1	F0		C9	1920	P -53 971
7		8.0T	54 30.574	0.0010	12	-59 54 59.29	0.006	11	0.51	30.529	17	08.5	59.57	18	05.2	K0		GC	7501	P*-59 542
8	9.5	9.3W	54 35.328	-0.0008	07	-55 59 20.95	0.004	07	0.14	35.331	14	46.1	20.97	14	46.1	F8		C0	1453	P -56 969
9	10.1	9.5W	54 35.966	-0.0019	09	-52 36 27.62	-0.098	09	0.20	35.989	15	38.1	26.45	18	38.1	G4	○	C9	1923	P -52 806
10	9.7	9.5W	54 39.163	0.0010	15	-55 48 12.88	0.173	15	0.24	39.150	15	38.1	14.94	18	38.1	F8		C9	1924	P -55 905
11		8.5T	54 56.943	-0.0078	12	-56 31 58.77	-0.087	10	0.60	57.360	19	99.5	54.10	18	96.2	G5		GC	7509	P -56 970
12		7.7T	55 2.151	-0.0043	12	-56 33 39.33	0.037	10	0.59	2.371	19	01.6	41.25	18	98.4	K0		GC	7510	P -56 971
13	9.8	9.5W	55 6.694	-0.0018	07	-55 59 25.81	-0.012	07	0.14	6.701	14	46.1	25.77	14	46.1	G		C0	1457	P -56 972
14	9.7	9.4W	55 11.969	0.0022	07	-57 4 7.56	0.003	07	0.14	11.960	14	46.1	7.58	14	46.1	F1	○	C0	1458	P -57 915
15	8.3	8.3W	55 13.574	-0.0011	09	-59 12 15.87	0.028	09	0.14	13.578	14	46.1	15.98	14	46.1	F0		C0	1459	P -59 546
16	9.3	8.4W	55 15.415	-0.0028	15	-54 10 18.29	0.023	15	0.24	15.449	15	38.1	18.56	18	38.1	K0		C9	1926	P -54 920
17	9.4E	8.5Z	55 25.767	-0.0017	12	-51 39 26.71	0.009	12	0.66	25.849	31	01.6	27.13	31	01.6	K5		CZ	3236	P -51 803
18	10.3	10.0W	55 28.926	-0.0038	09	-57 4 11.68	0.051	09	0.14	28.941	14	46.1	11.88	14	46.1	F6	○	C0	1460	P -57 916
19	8.7	8.9W	55 30.744	-0.0004	07	-53 34 26.84	0.002	07	0.18	30.749	15	38.1	26.86	18	38.1	A0		C9	1927	P -53 975
20	9.8	10.1W	55 49.328	0.0028	09	-59 57 57.74	0.011	09	0.14	49.317	14	46.1	57.78	14	46.1	A0		C0	1373	P -59 552
21	10.4	8.7W	55 49.761	0.0001	09	-56 7 29.63	-0.016	09	0.14	49.761	14	46.1	29.57	14	46.1	K		C0	1462	P -56 976
22		7.6T	56 5.449	0.0002	15	-53 25 16.38	-0.043	12	0.69	5.441	18	02.6	14.14	19	98.2	K0		GC	7549K	P -53 977
23	9.7	9.5W	56 9.401	0.0028	13	-56 36 48.01	-0.059	13	0.15	9.390	14	46.1	47.78	14	46.1	G0		C0	1464	P -56 977
24		6.4T	56 10.661	0.0013	13	-53 25 47.56	-0.013	10	0.62	10.600	18	01.6	46.85	18	96.3	K2		GC	7551K	P -53 978
25	10.1	9.1W	56 37.080	0.0018	07	-53 24 34.75	-0.000	07	0.18	37.059	15	38.1	34.75	18	38.1	G5	○	C9	1933	P -53 982
26		8.6T	56 41.166	-0.0041	16	-52 38 16.92	0.002	12	0.66	41.347	22	06.3	17.00	21	03.7	K0		GC	7564	P -52 813
27	9.5	8.8W	56 55.154	-0.0021	07	-52 12 29.74	0.052	07	0.18	55.179	15	38.1	30.36	18	38.1	G5		C9	1935	P -52 814
28	9.9	9.4W	57 1.832	0.0003	15	-53 32 7.74	0.027	15	0.24	1.829	15	38.1	8.06	18	38.1	G5		C9	1936	P -53 984
29	10.2E	9.3*	57 12.383	-0.0024	12	-50 17 22.43	0.061	12	0.65	12.496	31	02.1	25.36	28	02.1			CZ	3248	P -50 874
30	9.6	9.3W	57 22.372	-0.0021	06	-57 22 29.48	-0.050	06	0.14	22.381	14	46.1	29.28	14	46.1	G0		C0	1465	P -57 923
31	10.0	9.8W	57 34.124	0.0021	09	-54 23 51.70	0.005	09	0.20	34.099	15	38.1	51.76	18	38.1	F5	○	C9	1938	P -54 929
32	9.6E	9.4Z	57 34.276	-0.0007	12	-50 17 18.32	-0.004	12	0.71	34.311	45	03.6	18.14	45	03.6	A0		CZ	3253	P -50 877
33		8.2T	57 35.235	-0.0030	15	-52 47 40.48	-0.005	11	0.65	35.375	21	03.9	40.21	19	98.7	A2		GC	7590	P*-52 818
34		7.9T	57 40.127	-0.0028	13	-52 39 24.25	-0.009	09	0.60	40.260	21	03.1	23.77	19	97.0	K0		GC	7594	P -52 819
35	9.9E	9.5Z	57 46.576	0.0004	12	-50 40 47.33	0.084	12	0.65	46.557	31	02.1	51.36	28	02.1	G0		CZ	3255	P -50 878
36		7.0T	57 51.224	-0.0003	06	-51 13 31.07	0.011	05	0.28	51.235	12	07.6	31.58	12	02.0	B8		GC	7596	C -51 1699
37	8.6	8.3W	57 51.355	0.0030	07	-53 48 8.94	0.002	07	0.18	51.319	15	38.1	8.96	18	38.1	F2		C9	1942	P -53 986
38	9.1	9.6W	58 13.415	0.0014	06	-58 16 14.23	0.011	06	0.14	13.410	14	46.1	14.28	14	46.1	B8		C0	1466	P -58 600
39	9.9	9.6W	58 23.013	-0.0038	07	-54 52 18.72	-0.021	07	0.18	23.059	15	38.1	18.47	18	38.1	F7	○	C9	1944	P -54 935
40	9.9	9.3W	58 37.590	-0.0027	13	-56 38 0.52	0.040	13	0.15	37.600	14	46.1	0.68	14	46.1	G0		C0	1467	P -56 982
41	10.6	9.5W	58 43.045	-0.0006	09	-55 22 4.14	0.034	09	0.20	43.051	15	38.1	4.55	18	38.1	G8	○	C9	1945	P -55 919
42	9.5	9.0W	58 45.208	-0.0017	06	-54 37 7.57	0.017	06	0.18	45.229	15	38.1	7.77	18	38.1	G0		C9	1946	P*-54 936
43	9.5	9.4W	59 2.022	-0.0016	06	-55 13 13.52	0.002	06	0.18	2.041	15	38.1	13.55	18	38.1	F5		C9	1948	P -55 921
44	10.6	9.1W	59 3.253	0.0029	07	-52 10 42.87	-0.018	07	0.18	3.219	15	38.1	42.66	18	38.1	K2	○	C9	1949	P -52 824
45	10.1	9.5W	59 5.500	-0.0016	07	-53 54 59.53	-0.014	07	0.18	5.519	15	38.1	59.36	18	38.1	G		C9	1951	P*-53 990
46	9.4	9.4W	59 19.878	-0.0054	07	-57 53 34.19	-0.004	07	0.14	19.900	14	46.1	34.18	14	46.1	A5		C0	1468	P -57 930
47	8.4E	8.5Z	59 24.597	0.0043	12	-51 28 3.48	0.004	12	0.66	24.390	31	01.6	3.68	31	01.6	F8		CZ	3274	P -51 816
48		8.9T	59 33.502	-0.0047	17	-55 5 13.14	0.043	13	0.71	33.714	22	06.6	15.12	22	04.3	F8		GC	7633	P -55 923
49	9.9	8.7W	59 37.205	-0.0020	07	-54 41 27.33	0.046	07	0.18	37.229	15	38.1	27.87	18	38.1	K5		C9	1954	P -54 939
50	9.3	8.8W	59 38.005	0.0140	07	-56 9 44.92	0.063	07	0.14	37.951	14	46.1	45.17	14	46.1	G5		C0	1469	P -56 983
51		5.8T	5 59 38.772	-0.0029	07	-51 13 2.42	0.095	05	0.30	38.888	14	09.4	6.89	12	03.2	A0		GC	7637	C -51 1713
52		7.2T	59 49.253	0.0004	05	-58 6 8.17	0.024	05	0.25	49.236	12	07.7	9.27	12	03.4	A0		GC	7644	F -58 602
53		7.6T	59 56.748	0.0025	12	-54 57 2.79	0.020	10	0.53	56.642	18	07.1	3.78	18	00.0	F2		GC	7650	P -54 942
54	9.9	9.7W	6 0 5.413	-0.0017	12	-57 54 25.15	0.033	12	0.15	5.420	14	46.1	25.28	14	46.1	F8		C0	1471	P -57 933
55	9.6E	8.8Z	0 5.977	-0.0003	12	-51 50 59.50	0.012	12	0.64	5.991	28	01.6	+ 0.07	26	01.6	F5		CZ	3285	P -51 821
56	10.3	9.3W	0 14.122	0.0051	07	-56 4 51.05	0.041	07	0.18	14.060	15	38.1	51.54	18	38.1	G9	○	C9	1959	P -56 987
57	8.9	9.0W	0 15.660	-0.0007	06	-53 34 44.08	-0.018	06	0.18	15.669	15	38.1	43.86	18	38.1	A3		C9	1960	P -53 992
58	10.1	8.7W	0 18.771	0.0030	09	-57 47 0.30	-0.006	09	0.14	18.760	14	46.1	0.28	14	46.1	K0	○	C0	1472	P -57 934
59	9.7	9.5W	0 24.672	0.0009	09	-59 28 9.49	-0.030	09	0.14	24.668	14	46.1	9.38	14	46.1	F8	○	C0	1473	P -59 562
60	10.1		0 32.985	0.0021	13	-59 43 27.01	0.017	13	0.15	32.977	14	46.1	27.08	14	46.1	A0	○	C0	1474	P -59 563
61		8.0T	0 50.607	0.0006	13	-56 59 1.43	0.022	12	0.64	50.575	21	03.4	2.55	19	99.7	F0		GC	7669	P -56 989
62	10.5	9.4W	0 52.782	0.0045	07	-53 8 34.48	0.040	07	0.18	52.729	15	38.1	34.95	18	38.1	G7	○	C9	1963	P -53 995
63	10.1	10.0W	0 59.517	0.0030	15	-56 8 12.17	0.023	15	0.24	59.480	15	38.1	12.45	18	38.1	F0	○	C9	1966	P -56 990
64	9.9E	9.5Z	1 3.819	-0.0010	12	-50 35 53.14	0.004	12	0.63	3.867	28	02.6	53.34	26	02.6	F0		CZ	3296	P -50 892
65	9.2	8.0W	1 28.922	0.0033	12	-58 13 9.09	-0.003	12	0.15	28.910	14	46.1	9.08	14	46.1	K2		C0	1477	P -58 609
66	9.8	9.6W	1 35.587	-0.0010	07	-54 21 50.73	0.053	07	0.18	35.599	15	38.1	51.36	18	38.1	G5		C9	1968	P -54 950
67	9.8	9.6W	1 40.776	0.0065	15	-54 7 6.28	-0.102	15	0.24	40.699	15	38.1	5.06	18	38.1	G		C9	1969	P -54 951
68	8.7	8.9W	1 42.280	-0.0007	08	-52 51 21.15	0.017	08	0.19	42.289	15	38.1	21.35	18	38.1	A0		C9	1970	P -52 837
69	10.4	9.2W	1 43.868	-0.0006	06	-56 49 5.12	0.015	06	0.14	43.870	14	46.1	5.18	14	46.1	G7	○	C0	1479	P -56 994
70	9.3	8.9W	1 44.915	0.0072	06	-52 10 30.36	0.000	06	0.18	44.829	15	38.1	30.36	18	38.1	F5		C9	1971	P -52 836
71		7.0T	1 44.923	-0.0026	12	-53 34 48.58	0.007	10	0.60	45.049	18	00.9	48.94	19	96.9	K0		GC	7690	P -53 999
72		8.0T	1 51.791	0.0007	13	-56 56 24.76	0.043	11	0.62	51.753	21	02.1	26.97	18	98.9	K5		GC	7692	P -56 996
73	8.7	8.5W	1 53.488	-0.0001	06	-52 6 40.09	-0.011	06	0.18	53.489	15	38.1	39.96	18	38.1	F5		C9	1973	P -52 838
74	10.0	10.0W	1 57.902	0.0011	07	-52 4 53.69	0.005	07	0.18	57.889	15	38.1	53.75	18	38.1	A8	○	C9	1974	P -52 839
75		7.5T	2 21.732	0.0028	14	-53 53 13.04	-0.001	12	0.66	21.600	21	03.4	12.98	19	99.9	K2		GC	7705	P -53 1002
76	10.6	9.6W	2 22.217	-0.0020	09	-55 48 12.94	0.051	09	0.20	22.240	15	38.1	13.54	18	38.1	K1	○	C9	1977	P -55 931
77	9.4	8.0W	2 29.645	0.0020	06	-59 36 12.00	-0.005	06	0.14	29.637	14	46.1	11.98	14	46.1	K2		C0	1482	P -59 571
78	10.1	9.6W	2 30.569	-0.0010	07	-55 46 21.56	0.007	07	0.18	30.580	15	38.1	21.64	18	38.1	G5	○	C9	1978	P -55 932
79	10.0	9.8W	2 35.824	-0.0015	15	-55 13 23.24	0.009	15	0.24	35.841	15	38.1	23.35	18	38.1	F2	○	C9	1979	P -55 933
80	9.0	9.2W	2 42.523	0.0012	07	-52 17 58.00	0.005	07	0.18	42.509	15	38.1	58.06	18	38.1	A0		C9	1980	P -52 840
81	10.3E	9.7*	2 45.328	-0.0020	12	-50 18 46.67	0.022	12	0.65	45.425	31	02.1	47.72	28	02.1			CZ	3308	P -50 895
82		7.1T	2 49.109	-0.0007	13	-51 5 40.29	-0.018	10	0.64	49.142	19	00.5	39.30	18	96.2	A2		GC	7715	C -51 1736
83	9.9	9.4W	2 53.670	-0.0066	15	-53 45 52.94	0.069	15	0.24	53.749	15	38.1	53.76	18	38.1	G0		C9	1981	P -53 1004
84		8.0T	2 54.715	-0.0011	16	-52 47 20.14	0.049	12	0.70	54.767	21	04.4	22.49	21	01.9	F0		GC	7716	P -52 842
85	9.9	9.5W	2 58.193	0.0012	15	-54 7 38.95	0.043	15	0.24	58.179	15	38.1	39.46	18	38.1	G5		C9	1983	P -54 954
86	9.7	9.7W	2 59.519	-0.0000	07	-52 13 16.72	0.020	07	0.18	59.519	15	38.1	16.96	18	38.1	F8		C9	1984	P -52 843
87		8.2T	3 6.722	-0.0012	13	-52 53 20.87	0.014	11	0.62	6.779	22	04.0	21.54	21	02.0	F2		GC	7722	P -52 844
88	10.3	9.6W	3 12.181	-0.0023	07	-54 27 50.98	0.024	07	0.18	12.209	15	38.1	51.26	18	38.1	G7	○	C9	1986	P -54 956
89	9.2	9.5W	3 17.509	-0.0004	07	-55 56 34.35	0.005	07	0.14	17.511	14	46.1	34.37	14	46.1	A0		C0	1484	P -55 936
90	10.4	10.1W	3 21.422	-0.0014	09	-51 54 57.73	-0.031	09	0.20	21.439	15	38.1	57.36	18	38.1	G5		C9	1988	P*-51 829
91		7.6T	3 23.729	-0.0060	13	-54 22 46.36	0.007	11	0.62	24.011	21	02.7	46.71	19	99.3	F5		GC	7730	F -54 959
92		8.4T	3 37.878	-0.0007	15	-59 49 1.30	-0.016	12	0.57	37.907	18	11.0	0.63	18	07.7	F5		GC	7733	P -59 578
93	9.8	8.9W	3 46.498	-0.0009	07	-55 56 27.95	-0.022	07	0.14	46.501	14	46.1	27.87	14	46.1	G5		C0	1486	P -55 937
94	8.8	8.9W	3 58.402	-0.0014	08	-53 12 28.05	0.017	08	0.19	58.419	15	38.1	28.25	18	38.1	A0		C9	1991	P -53 1006
95	10.1	9.3W	3 58.569	0.0025	07	-58 12 6.14	0.060	07	0.14	58.560	14	46.1	6.38	14	46.1	K0		C0	1487	P -58 615
96	10.0	9.2W	4 2.000	0.0031	09	-59 47 26.39	-0.029	09	0.14	1.988	14	46.1	26.28	14	46.1	K0		C0	1488	P -59 580
97	9.2	9.4W	4 10.729	-0.0001	07	-57 50 33.83	0.011	07	0.14	10.730	14	46.1	33.88	14	46.1	A0		C0	1490	P -57 947
98		6.6T	4 12.763	-0.0028	13	-56 13 39.14	0.054	12	0.64	12.903	21	03.5	41.86	19	99.8	K2		GC	7754	P -56 1009
99		7.2T	4 14.942	-0.0008	12	-54 24 10.53	-0.002	11	0.61	14.980	21	00.6	10.41	19	97.5	K0		GC	7755	P -54 961
00	9.4	9.1W	4 17.910	-0.0021	07	-58 49 28.29	-0.003	07	0.14	17.918	14	46.1	28.28	14	46.1	G5		C0	1492	P -58 616

234300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.7E	9.2Z	6 4 20.476	0.0008	12	-51 17 49.55	0.030	12	0.81	20.440	63	04.1	50.93	57	04.1	K2	CZ	3325	P -51 832
2	9.5	9.5W	4 28.095	0.0005	15	-53 48 49.72	0.062	15	0.24	28.089	15	38.1	50.46	18	38.1	A3	C9	1995	P -53 1010
3	10.2	8.6W	4 32.237	0.0023	09	-59 8 10.76	-0.021	09	0.14	32.228	14	46.1	10.68	14	46.1	K5	C0	1493	P -59 582
4	9.9	9.0W	4 36.319	-0.0025	07	-53 7 36.26	0.008	07	0.18	36.349	15	38.1	36.35	18	38.1	K0	C9	1996	P -53 1012
5	9.7	9.4W	4 41.260	0.0033	15	-55 6 9.17	-0.011	15	0.24	41.221	15	38.1	9.05	18	38.1	F8	C9	1998	P -55 938
6	9.2	8.3W	4 46.749	-0.0000	06	-54 30 10.37	-0.017	06	0.18	46.749	15	38.1	10.17	18	38.1	K2	C9	1999	P -54 966
7	9.5	8.6W	4 58.358	0.0022	07	-57 58 55.08	0.025	07	0.14	58.350	14	46.1	55.18	14	46.1	K0	C0	1494	P -57 952
8		8.1T	5 7.202	-0.0061	17	-55 57 45.22	0.025	18	0.80	7.468	22	06.2	46.33	22	06.3	K0	GC	7784K	P -55 940
9		8.1T	5 11.262	-0.0001	14	-52 18 51.67	0.014	11	0.65	11.268	21	03.2	52.40	19	98.5	F2	GC	7786K	P*-52 852
10	10.0	8.8W	5 16.977	0.0007	09	-53 4 43.57	0.024	09	0.20	16.969	15	38.1	43.85	18	38.1	K0	C9	2004	P -53 1017
11	9.1	8.5W	5 24.826	-0.0232	07	-59 31 32.67	-0.664	07	0.14	24.917	14	46.1	30.08	14	46.1	G5	C0	1495	P -59 584
12	9.6E	9.5Z	5 31.304	-0.0026	12	-51 4 27.31	-0.016	12	0.81	31.423	63	04.1	26.58	57	04.1	F8	CZ	3335	P -51 836
13	10.3		5 32.944	0.0016	13	-59 57 56.70	0.046	13	0.15	32.937	14	46.1	56.88	14	46.1	F0	C0	1421	P -59 585
14	9.7E	9.5Z	5 36.426	0.0014	12	-51 10 10.04	-0.002	12	0.81	36.361	63	04.1	9.95	57	04.1	F5	CZ	3336	P -51 837
15	9.7E	9.1*	5 36.641	-0.0030	12	-51 37 16.42	0.036	12	0.65	36.785	31	01.6	18.15	31	01.6	F5	CZ	3337	P -51 838
16	9.8	8.9W	5 40.340	0.0023	06	-56 4 6.00	-0.007	06	0.14	40.331	14	46.1	5.97	14	46.1	K2	C0	1497	P -56 1010
17	9.5	9.2W	5 43.229	0.0028	09	-58 56 45.82	-0.010	09	0.14	43.218	14	46.1	45.78	14	46.1	F8	C0	1498	P -58 618
18	9.3	8.5W	5 44.587	0.0017	06	-56 5 33.44	-0.018	06	0.14	44.581	14	46.1	33.37	14	46.1	K0	C0	1499	P -56 1011
19	9.5	8.4W	5 46.168	0.0008	07	-52 52 25.36	0.016	07	0.18	46.159	15	38.1	25.55	18	38.1	K2	C9	2007	P -52 856
20	9.7	9.4W	5 51.645	-0.0037	15	-53 33 59.81	-0.021	15	0.24	51.689	15	38.1	59.56	18	38.1	F0	C9	2008	P -53 1018
21	9.8	9.5W	5 52.877	0.0005	15	-55 18 46.81	0.020	15	0.24	52.871	15	38.1	47.05	18	38.1	F5	C9	2009	P -55 944
22	9.8	9.6W	5 54.687	-0.0029	13	-58 46 35.27	0.027	13	0.15	54.698	14	46.1	35.38	14	46.1	F5	C0	1500	P -58 619
23	9.7E	9.5Z	5 59.338	0.0028	12	-51 23 44.82	0.035	12	0.81	59.210	63	04.1	46.44	57	04.1	G0	CZ	3341	P -51 841
24	9.1	8.8W	6 13.442	0.0003	15	-54 39 30.63	0.129	15	0.24	13.439	15	38.1	32.17	18	38.1	G5	C9	2010	P -54 971
25	9.2	9.3W	6 23.404	-0.0004	07	-52 43 5.88	-0.036	07	0.18	23.409	15	38.1	5.45	18	38.1	F0	C9	2013	P -52 858
26	10.4	9.4W	6 35.273	-0.0046	09	-56 12 17.68	-0.029	09	0.14	35.291	14	46.1	17.57	14	46.1	G9	O C0	1501	P -56 1015
27		8.0T	6 39.463	-0.0121	13	-55 41 47.86	-0.022	12	0.64	40.068	21	03.5	46.77	19	99.8	G5	GC	7826	P -55 947
28	9.2	8.3W	6 40.852	-0.0015	09	-58 45 54.79	-0.002	09	0.14	40.858	14	46.1	54.78	14	46.1	K0	C0	1502	P -58 623
29	9.6E	9.5Z	6 45.633	-0.0034	12	-51 40 39.52	0.010	12	0.81	45.789	63	04.1	39.97	57	04.1	A5	CZ	3347	P -51 844
30		7.7T	6 56.508	-0.0008	13	-54 25 49.94	0.015	15	0.60	56.544	21	03.3	50.71	19	98.1	K0	GC	7832	P -54 973
31	8.3E	8.5Z	7 1.403	-0.0018	12	-50 59 5.95	0.050	12	0.63	1.489	28	02.4	8.34	26	02.4	F8	CZ	3351	P -50 908
32	10.0	9.9W	7 3.305	0.0089	09	-53 13 19.04	0.018	09	0.20	3.199	15	38.1	19.25	18	38.1	F5	C9	2016	P -53 1025
33	10.7E	9.8*	7 4.464	-0.0016	12	-50 8 53.40	0.004	12	0.63	4.541	28	02.4	53.59	26	02.4		CZ	3352	P -50 907
34		8.0T	7 9.590	-0.0019	16	-53 16 27.15	0.080	12	0.67	9.676	22	05.6	30.91	21	02.9	F8	GC	7838	P -53 1022
35	9.5	9.6W	7 10.243	0.0062	15	-53 36 23.28	0.007	15	0.24	10.169	15	38.1	23.36	18	38.1	F0	C9	2018	P -53 1023
36	10.6	8.8W	7 10.548	0.0016	07	-52 31 44.85	-0.017	07	0.18	10.529	15	38.1	44.65	18	38.1	MA	C9	2019	P -52 864
37	9.7	8.9W	7 19.553	0.0018	07	-55 13 51.02	0.103	07	0.18	19.531	15	38.1	52.25	18	38.1	K2	C9	2020	P -55 952
38	9.8	9.5W	7 22.605	0.0017	07	-59 2 12.98	-0.078	07	0.14	22.598	14	46.1	12.68	14	46.1	G0	C0	1503	P -59 592
39	10.4	9.8W	7 24.455	0.0017	09	-58 30 12.53	0.013	09	0.14	24.448	14	46.1	12.58	14	46.1	G5	O C0	1504	P -58 627
40	10.2	9.8W	7 27.567	0.0022	07	-58 57 39.61	0.119	07	0.14	27.558	14	46.1	40.08	14	46.1	G5	C0	1505	P -58 628
41	9.2	8.7W	7 28.489	0.0075	07	-57 55 15.55	-0.071	07	0.14	28.460	14	46.1	15.28	14	46.1	G5	C0	1506	P -57 961
42	8.9E	9.0Z	7 39.783	0.0002	12	-50 39 54.15	0.018	12	0.71	39.773	45	03.6	54.99	45	03.6	G5	CZ	3357	P -50 912
43	8.4	8.0W	7 40.791	-0.0032	05	-52 7 36.05	0.051	05	0.18	40.829	15	38.1	36.65	18	38.1	F8	C9	2021	P -52 867
44	10.1	10.2W	7 46.344	-0.0046	15	-53 51 9.53	0.011	15	0.24	46.399	15	38.1	9.66	18	38.1	A0	C9	2022	P -53 1026
45	9.3	9.0W	7 46.811	0.0019	07	-52 32 18.09	0.022	07	0.18	46.789	15	38.1	18.35	18	38.1	F2	C9	2023	P -52 868
46	10.4	10.1W	7 49.335	0.0040	11	-58 28 35.53	0.012	11	0.15	49.320	14	46.1	35.58	14	46.1	F9	O C0	1508	P -58 629
47	9.7	9.5W	7 58.478	-0.0026	07	-53 56 13.22	0.012	07	0.18	58.509	15	38.1	13.36	18	38.1	F0	C9	2024	P -53 1027
48	8.8	8.0W	8 7.533	0.0011	09	-59 27 21.09	0.025	09	0.14	7.529	14	46.6	21.18	14	46.6	K0	C0	1509	P -59 594
49	10.1	9.1W	8 7.982	0.0011	07	-53 3 53.18	-0.011	07	0.18	7.969	15	38.1	53.05	18	38.1	K0	C9	2026	P -53 1028
50		7.1T	8 17.487	-0.0040	14	-51 22 45.67	0.032	12	0.71	17.685	18	00.0	47.33	17	97.4	G0	GC	7868	C -51 1769
51	10.5	10.3W	6 8 40.173	0.0009	07	-57 55 59.80	-0.004	07	0.14	40.170	14	46.6	59.78	14	46.6	F0	O C0	1510	P -57 964
52	10.5	9.9W	8 44.342	0.0009	09	-55 39 41.68	0.031	09	0.20	44.330	15	38.1	42.04	18	38.1	G8	O C9	2028	P -55 956
53	9.4	9.7W	8 47.200	-0.0033	13	-52 2 5.99	0.014	13	0.23	47.239	15	38.1	6.16	18	38.1	A0	C9	2029	P -52 871
54		7.9T	8 49.016	-0.0004	17	-51 23 41.75	0.014	18	0.84	49.032	24	04.4	42.37	24	04.4	K5	GC	7880	C -51 1773
55		8.5T	8 55.606	0.0003	16	-52 47 16.47	0.035	12	0.67	55.594	22	05.9	18.10	22	03.3	F2	GC	7884	P -52 872
56	7.6	8.2W	8 57.586	-0.0006	06	-59 30 40.20	0.024	06	0.14	57.588	14	46.6	40.28	14	46.6	B8	C0	1511	P -59 596
57	8.9E	9.0Z	9 0.201	-0.0015	12	-51 13 3.75	0.012	12	0.81	0.270	63	04.1	4.31	57	04.1	F0	CZ	3375	P -51 855
58	10.4	9.4W	9 10.825	0.0021	09	-59 47 25.81	-0.006	09	0.14	10.818	14	46.6	25.78	14	46.6	G8	O C0	1512	P -59 597
59		4.8H	9 19.403	-0.0009	03	-54 57 24.59	0.006	02	0.11	19.436	05	15.2	24.88	05	12.1	B1	F4	235	P -54 980
60		8.0T	9 41.754	-0.0021	13	-56 4 28.36	0.047	14	0.69	41.851	21	02.4	30.58	21	03.0	F2	GC	7905	P -56 1026
61	9.1	7.7W	9 52.769	0.0000	07	-58 50 31.13	-0.014	07	0.14	52.769	14	46.6	31.08	14	46.6	K2	C0	1515	P -58 637
62		8.2T	10 10.791	-0.0005	15	-59 47 21.40	0.118	12	0.62	10.812	19	07.6	26.48	19	07.0	F8	GC	7914	P -59 601
63	8.7	9.1W	10 11.928	-0.0009	07	-53 23 55.02	0.020	07	0.18	11.939	15	38.1	55.25	18	38.1	A0	C9	2034	P -53 1036
64	9.9	9.5W	10 22.834	-0.0020	10	-58 16 30.53	0.044	10	0.14	22.840	14	46.6	30.68	14	46.6	G5	C0	1517	P -58 639
65		7.8T	10 32.177	0.0012	17	-54 7 8.72	0.046	17	0.79	32.122	21	05.0	10.81	21	04.4	K0	GC	7924	P -54 986
66	9.7	9.6W	10 34.641	-0.0007	13	-52 33 37.22	0.036	13	0.23	34.649	15	38.1	37.65	18	38.1	F2	C9	2036	P -52 874
67		7.9T	10 40.133	0.0002	14	-50 46 43.89	-0.017	12	0.69	40.121	18	01.0	42.99	18	98.3	A0	GC	7931	C -50 2109
68	8.9E	9.0Z	10 40.699	-0.0013	12	-51 35 4.80	0.015	12	0.81	40.758	63	04.1	5.47	57	04.1	F2	CZ	3396	P -51 858
69	10.2	8.7W	10 46.502	0.0003	07	-51 53 59.46	-0.009	07	0.18	46.499	15	38.1	59.35	18	38.1	K5	C9	2037	P -51 859
70	9.8	8.8W	10 47.584	0.0028	07	-55 47 18.16	0.032	07	0.18	47.550	15	38.1	18.54	18	38.1	K2	C9	2038	P -55 964
71	9.0	9.4W	10 56.460	0.0004	09	-59 13 47.81	0.020	09	0.14	56.459	14	46.6	47.88	14	46.6	A0	C0	1520	P -59 603
72	9.4	9.4W	11 14.859	-0.0030	10	-58 57 30.06	0.036	10	0.14	14.869	14	46.6	30.18	14	46.6	A0	C0	1521	P -58 643
73	9.7	9.6W	11 16.662	-0.0056	08	-52 1 2.05	-0.092	08	0.19	16.729	15	38.1	0.96	18	38.1	F2	C9	2041	P -51 863
74	9.8	8.9W	11 23.418	-0.0009	11	-56 39 52.94	-0.018	11	0.15	23.421	14	46.6	52.88	14	46.6	G8	O C0	1522	P -56 1029
75	10.1	9.9W	11 34.206	0.0045	13	-56 50 8.57	0.004	13	0.15	34.191	14	46.6	8.58	14	46.6	F5	O C0	1523	P -56 1031
76	10.5	9.7W	11 34.741	0.0009	07	-55 46 36.59	-0.012	07	0.18	34.730	15	38.1	36.44	18	38.1	G8	O C9	2043	P -55 966
77	8.9E	9.0Z	11 42.181	-0.0003	12	-51 9 0.37	0.015	12	0.66	42.196	31	01.6	1.10	31	01.6	F2	CZ	3406	P -51 866
78	9.1	8.8W	11 42.784	0.0047	09	-59 45 58.47	-0.055	09	0.14	42.768	14	46.6	58.28	14	46.6	G0	C0	1525	P*-59 608
79	8.6	7.5W	12 9.008	0.0054	06	-59 55 13.76	0.031	06	0.14	8.987	14	46.1	13.88	14	46.1	K0	C0	1453	P -59 609
80	10.2	8.9W	12 9.523	0.0004	07	-56 20 26.75	0.035	07	0.14	9.522	14	46.6	26.87	14	46.6	K5	C0	1527	P -56 1034
81	9.3	9.2W	12 18.735	-0.0038	11	-59 32 57.96	0.035	11	0.15	18.748	14	46.6	58.08	14	46.6	A0	C0	1528	P -59 610
82	9.9	8.9W	12 25.217	0.0015	07	-51 57 10.33	-0.040	07	0.18	25.199	15	38.1	9.86	18	38.1	K0	C9	2045	P -51 868
83	10.6	9.0W	12 26.915	-0.0037	09	-53 15 53.78	-0.011	09	0.20	26.959	15	38.1	53.65	18	38.1	K2	O C9	2046	P -53 1042
84		6.9T	12 32.433	-0.0005	09	-51 39 4.53	-0.045	09	0.49	32.459	17	00.4	2.06	15	95.0	A0	GC	7988	C -51 1806
85	10.1	9.5W	12 36.353	0.0011	07	-56 3 30.18	-0.020	07	0.18	36.340	15	38.1	29.94	18	38.1	G	C9	2047	P -56 1037
86	10.1E	9.4*	12 41.144	0.0021	12	-50 21 37.81	-0.002	12	0.64	41.045	31	02.1	37.71	28	02.1		CZ	3418	P -50 928
87		6.6T	12 49.018	-0.0012	11	-56 54 7.12	-0.007	07	0.52	49.064	19	00.8	6.73	18	92.1	K0	GC	7995	P -56 1038
88	10.1	10.0W	13 1.033	-0.0018	09	-58 36 57.07	-0.027	09	0.14	1.039	14	46.6	56.98	14	46.6	F6	O C0	1531	P -58 650
89		9.3T	13 3.545	0.0002	13	-51 34 7.33	0.022	12	0.69	3.536	22	99.8	8.53	22	95.5	G0	GC	8003K	C -51 1811
90	9.2	9.2W	13 3.579	-0.0042	07	-52 20 20.27	-0.027	07	0.18	3.629	15	38.1	19.96	18	38.1	A2	C9	2051	P -52 878
91	9.6E	9.0Z	13 3.588	0.0014	12	-51 34 7.27	0.024	12	0.70	3.523	45	04.1	8.36	45	04.1	G0	CZ	3428	P -51 871
92	9.4	9.1W	13 4.267	-0.0007	08	-58 48 38.83	0.045	08	0.14	4.269	14	46.6	38.98	14	46.6	G0	C0	1532	P -58 651
93	9.3	8.4W	13 9.943	0.0012	07	-53 21 39.52	-0.006	07	0.18	9.929	15	38.1	39.45	18	38.1	K0	C9	2052	P -53 1044
94	10.3		13 16.901	-0.0015	08	-51 58 56.11	-0.013	08	0.19	16.919	15	38.1	55.96	18	38.1	A0	O C9	2053	P -51 873
95	10.4	9.9W	13 19.775	-0.0020	07	-52 15 58.25	0.026	07	0.18	19.799	15	38.1	58.56	18	38.1	F9	O C9	2054	P -52 883
96	9.6	9.5W	13 25.368	-0.0017	15	-54 11 58.05	-0.007	15	0.24	25.389	15	38.1	57.96	18	38.1	F0	C9	2055	P -54 998
97	9.3	8.8W	13 25.932	0.0103	13	-53 3 46.71	0.054	13	0.23	25.809	15	38.1	47.35	18	38.1	G5	C9	2056	P*-53 1045
98	9.9	8.6W	13 27.662	0.0002	06	-56 55 19.26	0.007	06	0.14	27.661	14	46.6	19.28	14	46.6	K5	C0	1533	P -56 1040
99	10.3		13 41.498	0.0027	09	-58 35 55.36	0.007	09	0.14	41.489	14	46.6	55.38	14	46.6	A3	O C0	1534	P -58 653
00	9.6	9.5W	13 45.425	-0.0030	15	-55 47 24.99	-0.021	15	0.24	45.460	15	38.1	24.74	18	38.1	F8	C9	2058	P -55 970

234400

-50° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	8.7	9.0W	6 14 2.341	-0.0001	07	-56 11 1.72	0.016	07	0.14	2.342	14	46.6	1.77	14	46.6	B8		C0	1535	P -56 1042
2	10.3	9.6W	14 5.410	-0.0001	09	-55 18 42.76	-0.010	09	0.20	5.411	15	38.1	42.65	18	38.1	G6	O	C9	2060	P -55 971
3	9.7	8.9W	14 18.081	0.0002	07	-54 32 27.63	0.012	07	0.18	18.079	15	38.1	27.77	18	38.1	K2		C9	2063	P -54 1000
4	11.0	9.5W	14 28.353	-0.0013	09	-54 5 24.59	0.006	09	0.20	28.369	15	38.1	24.66	18	38.1	M0	O	C9	2065	P -54 1001
5	10.0	9.8W	14 30.946	0.0038	07	-56 8 16.83	0.018	07	0.18	30.900	15	38.1	17.04	18	38.1	F5	O	C9	2066	P -56 1043
6	10.0	9.9W	14 32.734	-0.0021	15	-52 37 27.54	0.051	15	0.24	32.759	15	38.1	28.15	18	38.1	F2		C9	2067	P -52 888
7	10.3	9.3W	14 35.830	-0.0004	13	-56 18 32.73	0.042	13	0.15	35.832	14	46.6	32.87	14	46.6	K0	O	C0	1537	P -56 1045
8	9.9	9.6W	14 37.103	-0.0024	07	-57 2 13.13	0.016	07	0.14	37.111	14	46.6	13.18	14	46.6	G		C0	1538	P -57 973
9	9.3	9.0W	14 50.419	0.0027	07	-57 41 1.32	0.047	07	0.14	50.410	14	46.6	1.48	14	46.6	G5		C0	1539	P -57 974
10	9.1E	8.5Z	14 51.253	-0.0006	12	-50 57 29.70	0.007	12	0.71	51.280	45	03.6	30.03	45	03.6	K0		CZ	3453	P -50 940
11	10.0	9.8W	15 0.368	-0.0001	13	-52 33 6.86	0.016	13	0.23	0.369	15	38.1	7.05	18	38.1	F8		C9	2071	P -52 891
12	9.1	9.0W	15 6.629	-0.0017	07	-54 39 32.24	-0.023	07	0.18	6.649	15	38.1	31.97	18	38.1	F2		C9	2072	P -54 1006
13	9.5	8.4W	15 7.928	0.0008	07	-52 23 35.18	0.023	07	0.18	7.919	15	38.1	35.46	18	38.1	K0		C9	2074	P*-52 892
14	10.2	9.2W	15 9.739	-0.0034	10	-57 58 58.08	0.030	10	0.14	9.750	14	46.6	58.18	14	46.6	K5		C0	1540	P -57 975
15	9.0	9.1W	15 12.116	-0.0007	06	-59 8 4.35	0.038	06	0.14	12.119	14	46.6	4.48	14	46.6	A2		C0	1541	P -59 617
16	9.2E	9.6Z	15 25.246	-0.0013	12	-51 13 56.84	0.004	12	0.81	25.306	63	04.1	57.03	57	04.1	A0		CZ	3458	P -51 883
17		8.0T	15 33.090	0.0024	09	-59 11 49.60	-0.218	07	0.44	32.961	18	01.4	38.03	15	96.8	F8		GC	8081K	P -59 618
18		6.4T	15 37.001	-0.0072	08	-59 11 23.24	-0.326	07	0.39	37.366	17	00.9	6.66	14	99.1	G0		GC	8084K	P -59 619
19	8.9	7.7W	15 48.113	0.0012	07	-54 35 50.72	0.021	07	0.18	48.099	15	38.1	50.97	18	38.1	K2		C9	2077	P -54 1007
20		7.7T	16 7.559	-0.0032	11	-55 23 40.66	0.003	09	0.54	7.735	21	01.6	40.84	18	95.8	B8		GC	8102	P -55 979
21	9.7	9.4W	16 12.950	0.0024	07	-55 26 3.71	-0.048	07	0.18	12.921	15	38.1	3.15	18	38.1	G3	O	C9	2080	P -55 980
22	9.8	9.5W	16 21.631	-0.0032	07	-54 4 56.40	0.031	07	0.18	21.669	15	38.1	56.76	18	38.1	G5		C9	2081	P -54 1008
23	9.3	9.0W	16 28.331	0.0031	09	-58 8 43.61	0.049	09	0.14	28.321	14	46.6	43.78	14	46.6	F5		C0	1544	P -58 661
24	9.4	9.0W	16 32.050	-0.0029	07	-58 21 42.94	0.071	07	0.14	32.060	14	46.6	43.18	14	46.6	F8		C0	1545	P -58 662
25		9.3T	16 33.057	0.0053	18	-51 27 1.24	-0.010	17	0.84	32.816	24	04.8	0.79	22	03.6			GC	8109	C -51 1842
26		7.7T	16 35.537	-0.0021	14	-51 25 14.01	-0.012	12	0.69	35.639	19	00.3	13.35	18	96.9	A3		GC	8110	C -51 1843
27		7.1T	16 37.375	0.0006	13	-53 57 29.91	0.023	11	0.64	37.345	18	02.6	31.09	18	98.3	K0		GC	8112	P -53 1055
28	8.3E	8.5Z	16 39.343	-0.0006	12	-51 15 7.44	-0.005	12	0.81	39.371	63	04.1	7.22	57	04.1	A2		CZ	3470	P -51 889
29	9.5E	9.0Z	16 40.287	-0.0004	12	-50 29 23.87	0.027	12	0.71	40.307	45	03.6	25.12	45	03.6	K0		CZ	3469	P -50 948
30		6.1T	16 45.460	-0.0001	09	-52 42 43.65	-0.005	07	0.43	45.466	18	03.2	43.35	17	92.5	K0		GC	8114	P -52 902
31	10.2	10.0W	16 47.446	-0.0046	15	-55 34 0.82	0.010	15	0.24	47.500	15	38.1	0.94	18	38.1	G2	O	C9	2085	P -55 981
32	10.1	9.6W	16 49.601	-0.0023	07	-54 58 7.76	0.018	07	0.18	49.629	15	38.1	7.97	18	38.1	G3	O	C9	2086	P -54 1010
33	9.7	8.8W	16 52.736	0.0109	07	-58 30 16.35	-0.019	07	0.14	52.699	14	46.6	16.28	14	46.6	K0		C0	1546	P -58 664
34		6.8T	17 2.103	0.0010	13	-53 32 17.57	0.054	11	0.63	2.054	19	02.4	20.35	18	98.3	A0		GC	8126	P -53 1056
35	9.0	8.7W	17 3.753	-0.0048	07	-58 47 16.88	-0.000	07	0.14	3.769	14	46.6	16.88	14	46.6	F5		C0	1548	P -58 666
36	10.0	8.9W	17 8.116	-0.0014	07	-56 51 4.68	-0.000	07	0.14	8.121	14	46.6	4.68	14	46.6	K2		C0	1549	P -56 1049
37	8.5	8.2W	17 12.827	0.0015	07	-56 25 22.40	0.021	07	0.14	12.822	14	46.6	22.47	14	46.6	F0		C0	1550	P -56 1050
38	10.1	10.0W	17 18.947	-0.0068	12	-57 54 26.27	0.061	12	0.15	18.970	14	46.6	26.48	14	46.6	F0	O	C0	1551	P -57 981
39	8.8	8.0W	17 20.580	-0.0004	10	-57 18 54.68	0.029	10	0.14	20.581	14	46.6	54.78	14	46.6	K0		C0	1552	P -57 980
40	9.6	7.9W	17 21.641	0.0002	07	-54 22 57.58	0.007	07	0.18	21.639	15	38.1	57.66	18	38.1	MA		C9	2091	F -54 1011
41		7.6T	17 29.236	-0.0003	13	-53 36 32.55	0.033	12	0.65	29.248	19	03.2	34.15	19	01.3	K0		GC	8136	P -53 1057
42		6.9T	17 33.430	0.0001	08	-50 20 13.95	0.004	06	0.36	33.426	15	06.7	14.17	14	01.2	G5		GC	8145	C -50 2169
43	9.8	9.6W	17 36.702	0.0032	07	-56 59 30.07	0.004	07	0.14	36.691	14	46.6	30.08	14	46.6			C0	1553	P -56 1053
44		8.0T	17 37.508	-0.0014	17	-56 58 41.28	0.003	13	0.71	37.572	22	06.6	41.43	21	02.4	A0		GC	8148	F -56 1054
45	9.9	9.1W	17 40.014	-0.0024	13	-56 2 23.21	0.019	13	0.15	40.022	14	46.6	23.27	14	46.6	G5		C0	1555	P -56 1052
46	8.9	8.7W	18 1.798	0.0016	07	-53 57 3.40	0.014	07	0.18	1.779	15	38.1	3.56	18	38.1	F2		C9	2096	P -53 1060
47	9.4	9.5W	18 21.516	0.0006	07	-54 50 34.38	-0.001	07	0.18	21.509	15	38.1	34.37	18	38.1	F0		C9	2098	P -54 1017
48	9.8	9.1W	18 25.869	0.0027	08	-58 1 55.38	0.060	08	0.14	25.860	14	46.6	55.58	14	46.6	K0		C0	1556	P -58 670
49	10.3	10.0W	18 29.403	-0.0171	09	-56 32 47.55	0.010	09	0.14	29.461	14	46.6	47.58	14	46.6	F1	O	C0	1557	P -56 1059
50	9.5	9.4W	18 29.934	-0.0015	07	-58 35 53.00	0.024	07	0.14	29.939	14	46.6	53.08	14	46.6	A2		C0	1558	P -58 672
51	8.7E	9.5Z	6 18 32.349	-0.0015	12	-50 52 20.87	-0.010	12	0.65	32.421	31	02.1	20.40	28	02.1	A5		CZ	3497	P -50 955
52	10.0	9.9W	19 3.151	0.0002	12	-58 0 52.39	0.025	12	0.15	3.151	14	46.6	52.48	14	46.6	F0		C0	1560	P -57 986
53	10.6E	9.4*	19 20.622	-0.0012	12	-51 46 12.91	0.087	12	0.66	20.680	31	01.6	17.11	31	01.6			CZ	3512	P -51 895
54	10.3	8.8W	19 24.237	0.0015	07	-54 29 30.50	-0.020	07	0.18	24.219	15	38.1	30.26	18	38.1	K2	O	C9	2101	P*-54 1020
55	9.8	9.6W	19 26.919	0.0027	06	-58 15 39.72	-0.012	06	0.14	26.910	14	46.6	39.68	14	46.6	F5		C0	1561	P -58 676
56		7.0T	19 27.041	0.0017	13	-52 2 44.21	-0.008	11	0.65	26.961	18	02.3	43.80	19	97.7	K2		GC	8196	P -52 908
57	10.0	9.9W	19 42.883	-0.0022	07	-54 25 12.30	0.030	07	0.18	42.909	15	38.1	12.66	18	38.1	F2	O	C9	2104	P -54 1021
58	10.2	10.2W	19 59.828	-0.0034	15	-54 31 28.63	0.046	15	0.24	59.869	15	38.1	29.17	18	38.1	A2		C9	2109	P*-54 1026
59	8.8	8.6W	20 2.776	0.0006	07	-54 54 30.31	-0.029	07	0.18	2.769	15	38.1	29.37	18	38.1	G0		C9	2110	P -54 1027
60	8.2	8.3W	20 12.142	0.0005	06	-58 19 37.85	0.009	06	0.14	12.140	14	46.6	37.88	14	46.6	B9		C0	1563	P -58 679
61		7.5T	20 18.609	-0.0021	11	-52 38 12.59	-0.003	09	0.55	18.719	15	98.4	12.41	14	94.6	G5		GC	8217	P -52 909
62	8.5	8.4W	20 21.757	-0.0018	06	-54 19 38.22	0.062	06	0.18	21.779	15	38.1	38.96	18	38.1	F0		C9	2113	P -54 1028
63		6.8T	20 39.127	0.0019	17	-51 12 41.55	0.029	13	0.77	39.033	19	01.9	43.07	18	98.7	A2		GC	8226	C -51 1874
64		7.2T	20 46.529	-0.0038	12	-59 59 47.55	-0.013	10	0.52	46.711	18	06.0	46.94	17	02.1	A5		GC	8230	P -59 637
65		6.5T	20 46.957	-0.0014	10	-56 20 11.70	-0.019	10	0.52	47.025	18	05.6	10.76	18	99.9	M0		GC	8231	P -56 1066
66	8.2	8.5W	20 57.826	-0.0002	07	-53 56 39.53	0.036	07	0.18	57.829	15	38.1	39.96	18	38.1	A0		C9	2114	P -53 1068
67	9.6E	9.3Z	21 4.538	-0.0016	12	-50 33 3.97	0.003	12	0.71	4.612	45	03.6	4.11	45	03.6	F0		CZ	3532	P -50 959
68		7.0T	21 14.503	-0.0005	13	-53 18 31.12	0.003	11	0.57	14.526	17	06.7	31.26	15	01.1	B5		GC	8245	P -53 1070
69	10.7	9.4W	21 17.990	0.0001	09	-54 18 22.82	-0.013	09	0.20	17.989	15	38.1	22.66	18	38.1	K0	O	C9	2117	P -54 1029
70	9.8E	9.5Z	21 26.784	-0.0005	12	-50 56 19.98	0.090	12	0.71	26.807	45	03.6	24.16	45	03.6	G5		CZ	3540	P -50 962
71	8.7E	8.1H	21 28.943	-0.0006	12	-50 4 29.49	-0.007	12	0.65	28.973	31	02.1	29.15	28	02.1	G5		CZ	3539	P -50 961
72	10.7	9.3W	21 39.664	0.0011	08	-57 33 55.38	-0.030	08	0.14	39.660	14	46.6	55.28	14	46.6	K0	O	C0	1567	P -57 993
73		5.7T	22 2.250	-0.0043	06	-56 20 32.97	-0.024	05	0.28	2.452	12	07.8	31.85	12	02.7	A0		GC	8274	P*-56 1072
74	9.3	8.4W	22 27.734	-0.0004	07	-53 23 54.48	-0.011	07	0.18	27.739	15	38.1	54.35	18	38.1	K0		C9	2119	P -53 1071
75		5.9T	22 29.704	-0.0032	09	-52 9 10.63	-0.022	07	0.49	29.869	19	98.7	9.35	18	91.4	G5		GC	8288	P -52 913
76	9.0E	8.7H	22 35.964	-0.0009	12	-50 11 46.81	0.026	12	0.71	36.007	45	03.6	48.02	45	03.6	F2		CZ	3552	P -50 964
77	10.0	10.2W	22 43.470	-0.0032	13	-56 46 40.94	0.043	13	0.15	43.481	14	46.6	41.08	14	46.6	A0		C0	1569	P -56 1075
78	9.0	8.5W	22 43.505	-0.0048	07	-56 4 51.14	0.008	07	0.14	43.522	14	46.6	51.17	14	46.6	G5		C0	1570	P -56 1073
79	9.1	8.7W	22 46.969	-0.0092	09	-58 9 6.63	0.043	09	0.14	47.000	14	46.6	6.78	14	46.6	K0		C0	1571	P*-58 690
80		-0.9H	22 50.493	0.0029	01	-52 40 3.45	0.022	02	0.08	50.346	04	99.4	4.53	04	01.2	F0		F4	245	P -52 914
81		7.7T	22 54.257	0.0000	17	-50 30 4.99	0.044	13	0.76	54.255	17	02.0	7.22	18	98.8	F0		GC	8305K	C*-50 2202
82		6.6T	23 1.721	0.0011	08	-58 30 57.06	0.021	08	0.47	1.658	18	97.3	58.25	18	94.5	A2		GC	8306	P -58 692
83	9.8	9.2W	23 13.770	-0.0024	15	-53 32 52.43	0.062	15	0.24	13.799	15	38.1	53.16	18	38.1	K0		C9	2127	P -53 1075
84	9.8E	9.5H	23 19.267	-0.0029	12	-50 2 0.43	0.009	12	0.71	19.403	45	03.6	0.85	45	03.6			CZ	3560	P -49 941
85	8.8E	8.6H	23 19.706	-0.0021	12	-50 3 54.63	-0.001	12	0.71	19.804	45	03.6	54.58	45	03.6	F0		CZ	3561	P -50 967
86		9.0W	23 23.996	-0.0011	09	-52 49 7.87	0.032	09	0.20	24.009	15	38.1	8.25	18	38.1			C9	2129	P -52 916
87	9.7	8.6W	23 38.595	-0.0012	07	-59 3 35.45	-0.021	07	0.14	38.599	14	46.6	35.38	14	46.6	K2		C0	1573	P -59 641
88		6.3T	23 42.002	-0.0012	09	-52 46 37.31	0.003	08	0.51	42.071	19	94.2	37.47	18	92.1	K0		GC	8321	P -52 919
89	9.5	9.4W	23 43.682	-0.0023	15	-53 15 55.87	0.007	15	0.24	43.709	15	38.1	55.95	18	38.1	F0		C9	2131	P -53 1077
90	10.2	9.5W	23 55.230	0.0016	07	-55 48 55.19	0.004	07	0.18	55.210	15	38.1	55.24	18	38.1	G6	O	C9	2132	P -55 995
91	9.6E	8.5Z	24 7.827	-0.0004	12	-51 48 35.70	-0.009	12	0.66	7.845	31	01.6	35.25	31	01.6	MA		CZ	3570	P -51 907
92	9.0	8.8W	24 8.990	-0.0058	06	-52 10 47.76	0.000	06	0.18	9.059	15	38.1	47.76	18	38.1	F2		C9	2134	P -52 921
93	7.7	7.7W	24 9.624	-0.0006	07	-55 41 46.88	0.064	07	0.18	9.630	15	38.1	47.64	18	38.1	F2		C9	2135	P -55 996
94	9.8	8.2W	24 12.100	-0.0004	07	-56 8 34.48	0.026	07	0.14	12.102	14	46.6	34.57	14	46.6	MA		C0	1574	P -56 1079
95	9.7		24 18.124	-0.0016	09	-59 19 7.15	0.010	09	0.14	18.129	14	46.6	7.18	14	46.6	A0		C0	1575	P -59 643
96	9.3E	9.0Z	24 28.960	-0.0023	12	-51 6 19.13	0.076	12	0.65	29.071	31	01.6	22.80	31	01.6	F5		CZ	3576	P -51 909
97	9.6	8.5W	24 30.679	0.0025	07	-52 6 33.82	0.028	07	0.18	30.649	15	38.1	34.16	18	38.1	MA		C9	2137	P -52 922
98	9.6	8.2W	24 30.872	-0.0000	07	-56 11 1.44	-0.020	07	0.14	30.872	14	46.6	1.37	14	46.6	K5		C0	1576	P -56 1080
99	9.6	9.5W	24 34.289	-0.0010	07	-55 43 36.35	-0.009	07	0.18	34.300	15	38.1	36.24	18	38.1	F0		C9	2138	P -55 997
00	9.9	8.7W	24 34.318	-0.0009	07	-56 48 31.54	0.012	07	0.14	34.321	14	46.6	31.58	14	46.6	K5		C0	1577	P -56 1081

234500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 6H DM NUMBER
1	10.0	9.8W	6 24 35.852	-0.0073	15	-54 43 52.68	0.092	15	0.24	35.939	15	38.1	53.77	18	38.1	F9 O	C9	2139	P -54 1036
2	9.7	10.1W	24 41.063	-0.0022	15	-53 4 23.05	0.042	15	0.24	41.089	15	38.1	23.55	18	38.1	A0	C9	2140	P -53 1080
3	9.6	9.1W	24 42.921	0.0007	11	-58 35 21.60	-0.004	11	0.15	42.919	14	46.6	21.58	14	46.6	G5	C0	1578	P*-58 698
4	9.4	9.2W	24 44.869	-0.0002	15	-55 7 52.08	0.005	15	0.24	44.871	15	38.1	52.15	18	38.1	G0	C9	2141	P -55 998
5	10.4	10.0W	24 58.557	0.0015	13	-56 19 16.91	0.049	13	0.15	58.552	14	46.6	19.07	14	46.6	F3 O	C0	1579	P -56 1083
6		8.1T	25 0.067	-0.0034	11	-52 37 19.92	0.043	09	0.56	0.244	17	98.6	22.38	15	92.6	B9	GC	8366	P -52 925
7		8.0W	25 3.978	-0.0051	06	-52 35 59.19	0.039	06	0.18	4.039	15	38.1	59.65	18	38.1		C9	2146	P -52 926
8	10.8	10.0W	25 9.472	-0.0039	09	-53 28 3.59	0.014	09	0.20	9.519	15	38.1	3.75	18	38.1	G8 O	C9	2150	P -53 1083
9	9.9	10.1W	25 21.923	0.0006	08	-57 23 59.31	0.021	08	0.14	21.921	14	46.6	59.38	14	46.6	A2	C0	1581	P -57 999
10	8.8	8.6W	25 49.827	-0.0035	07	-53 33 0.30	0.022	07	0.18	49.869	15	38.1	0.56	18	38.1	F0	C9	2152	P -53 1086
11	10.9E	9.3*	25 52.163	0.0000	12	-50 35 3.81	0.024	12	0.64	52.162	31	02.1	4.96	28	02.1		CZ	3591	P -50 976
12	8.7	8.2W	25 57.120	-0.0000	06	-58 11 25.48	-0.000	06	0.14	57.120	14	46.6	25.48	14	46.6	F5	C0	1583	P -58 705
13	10.8E	9.9*	25 58.275	-0.0005	12	-51 43 17.30	-0.007	12	0.65	58.299	31	01.7	16.94	31	01.7		CZ	3592	P -51 914
14		8.4T	25 59.772	-0.0007	15	-55 0 5.35	0.034	12	0.61	59.806	19	03.8	6.93	19	03.8	A0	GC	8395	P*-54 1038
15	9.0	8.4W	26 0.404	0.0043	10	-58 59 26.07	-0.142	10	0.14	0.389	14	46.6	25.58	14	46.6	G0	C0	1584	P -58 707
16		8.1T	26 5.216	-0.0032	15	-52 54 25.03	-0.003	09	0.61	5.359	22	05.8	24.87	21	00.1	K0	GC	8397	P -52 930
17	9.8	9.0W	26 12.203	-0.0013	09	-52 44 30.90	0.055	09	0.20	12.219	15	38.1	31.55	18	38.1	K0	C9	2156	P -52 931
18	8.4	8.2W	26 16.034	-0.0012	07	-53 32 3.28	0.032	07	0.18	16.049	15	38.1	3.66	18	38.1	F0	C9	2157	P -53 1088
19		5.7T	26 16.553	-0.0021	06	-57 58 11.19	-0.014	05	0.27	16.650	12	08.2	10.54	12	04.7	K0	GC	8398	P -57 1001
20	10.6	9.6W	26 41.604	-0.0012	09	-54 58 17.34	0.003	09	0.20	41.619	15	38.1	17.37	18	38.1	G5 O	C9	2158	P -54 1040
21	10.0	9.9W	27 8.623	-0.0013	07	-54 57 16.05	0.002	07	0.18	8.639	15	38.1	16.07	18	38.1	A2 O	C9	2160	P -54 1041
22	10.0	9.0W	27 9.767	0.0019	07	-58 6 41.94	0.041	07	0.14	9.761	14	46.6	42.08	14	46.6	K2	C0	1587	P -58 708
23	9.9	8.9W	27 13.445	0.0013	09	-58 22 15.30	-0.007	09	0.14	13.440	14	46.6	15.28	14	46.6	K5	C0	1588	P -58 709
24	9.6	8.8W	27 20.649	-0.0035	07	-57 18 6.96	0.005	07	0.14	20.661	14	46.6	6.98	14	46.6	K0	C0	1589	P -57 1005
25	10.1E	9.5Z	27 21.074	0.0001	12	-51 16 23.21	0.001	12	0.81	21.069	63	04.2	23.27	57	04.2		CZ	3615	P -51 918
26	8.7E	8.4H	27 25.906	-0.0026	12	-50 2 49.11	-0.028	12	0.71	26.027	45	03.7	47.82	45	03.7	G5	CZ	3616	P -49 956
27		7.6T	27 37.217	0.0003	13	-59 35 2.51	-0.009	12	0.57	37.203	18	07.0	2.11	17	04.7	F5	GC	8436	P -59 653
28	9.3	8.4W	27 39.478	0.0024	07	-58 19 12.93	-0.013	07	0.14	39.470	14	46.6	12.88	14	46.6	K0	C0	1591	P -58 712
29		8.1T	27 49.912	-0.0003	13	-55 52 59.52	0.005	10	0.60	49.925	21	05.1	59.78	19	00.4	B9	GC	8440	P -55 1005
30	10.3	10.3W	27 54.530	0.0028	10	-57 44 34.65	0.010	10	0.14	54.520	14	46.6	34.68	14	46.6	A2 O	C0	1593	P -57 1006
31	9.5	9.4W	28 6.182	0.0004	07	-58 22 33.96	0.005	07	0.14	6.180	14	46.6	33.98	14	46.6	F5	C0	1595	P -58 714
32	8.9	8.7W	28 6.237	0.0020	06	-57 34 5.90	-0.005	06	0.14	6.230	14	46.6	5.88	14	46.6	F2	C0	1596	P -57 1008
33	8.8	7.7W	28 16.595	0.0020	06	-59 44 18.85	0.033	06	0.14	16.587	14	46.2	18.98	14	46.2	K0	C0	1531	P -59 658
34	9.1	8.6W	28 26.796	-0.0013	06	-55 28 34.93	0.018	06	0.18	26.811	15	38.1	35.15	18	38.1	F5	C9	2164	P -55 1007
35	9.8	9.4W	28 28.383	-0.0047	07	-54 22 39.36	-0.033	07	0.18	28.439	15	38.1	38.96	18	38.1	G0 O	C9	2165	P -54 1043
36	10.5	9.5W	28 30.556	-0.0044	07	-52 0 12.44	-0.032	07	0.18	30.609	15	38.1	12.05	18	38.1	K0	C9	2166	P*-51 920
37	10.3	9.4W	28 32.875	0.0003	09	-55 56 31.46	-0.001	09	0.20	32.870	15	38.1	31.44	18	38.1	G5 O	C9	2167	P -55 1008
38		9.0T	28 34.120	-0.0107	18	-50 12 1.83	-0.063	14	0.80	34.611	24	04.2	-58.80	21	01.7		GC	8457K	C -50 2240
39		5.3T	28 35.264	-0.0061	06	-50 12 10.96	-0.058	05	0.27	35.518	12	08.4	8.28	12	03.4	F2	GC	8458K	C*-50 2241
40	10.0	9.8W	28 36.274	-0.0038	07	-54 37 38.44	0.045	07	0.18	36.319	15	38.1	38.97	18	38.1	F7 O	C9	2168	P -54 1044
41		5.2T	28 36.410	-0.0049	06	-56 49 5.14	0.022	05	0.29	36.650	12	06.6	6.24	12	00.7	K0	GC	8459	P*-56 1095
42	10.0E	9.1*	28 45.458	-0.0012	12	-50 53 48.64	-0.002	12	0.64	45.515	31	02.1	48.54	28	02.1		CZ	3637	P -50 985
43	10.2	10.2W	28 47.424	-0.0012	09	-53 41 38.66	0.034	09	0.20	47.439	15	38.1	39.06	18	38.1	A2	C9	2170	P -53 1096
44	8.2	8.2W	28 49.086	-0.0005	06	-59 43 56.78	0.030	06	0.14	49.088	14	46.6	56.88	14	46.6	A5	C0	1600	P -59 660
45	10.0	9.9W	28 52.005	-0.0003	07	-54 22 3.70	-0.045	07	0.18	52.009	15	38.1	3.16	18	38.1	F5 O	C9	2171	P -54 1045
46	9.1	9.2W	28 56.080	-0.0004	07	-57 14 23.95	0.037	07	0.14	56.061	14	46.6	24.08	14	46.6	A2	C0	1601	P -57 1009
47	10.1	9.7W	29 12.340	-0.0062	07	-56 42 52.49	0.057	07	0.14	12.361	14	46.6	52.68	14	46.6	F8 O	C0	1602	P -56 1098
48	9.2	8.6W	29 13.106	-0.0053	07	-52 50 12.28	0.124	07	0.18	13.169	15	38.1	13.75	18	38.1	G5	C9	2172	P -52 937
49		6.7T	29 14.305	-0.0010	09	-59 33 17.21	0.005	07	0.43	14.355	17	05.5	17.47	15	99.3	F0	GC	8476	P -59 662
50	10.4		30 3.900	-0.0003	14	-51 58 28.02	0.002	14	0.24	3.903	15	38.1	28.05	18	38.1	F8	C9	2174	P*-51 928
51		5.6T	6 30 8.153	0.0107	07	-51 47 24.91	0.095	05	0.28	7.710	10	08.7	29.27	09	04.2	F8	GC	8504	C*-51 1946
52	8.8	9.0W	30 13.770	0.0006	06	-56 54 6.70	0.005	06	0.14	13.768	14	46.6	6.71	14	46.6	A0	C0	1605	P -56 1102
53	10.5		30 19.786	0.0002	14	-51 58 5.01	-0.073	14	0.24	19.783	15	38.1	4.15	18	38.1	F8	C9	2175	P*-51 930
54	8.9	7.8W	30 21.984	0.0053	06	-58 58 4.85	0.047	06	0.14	21.966	14	46.6	5.01	14	46.6	K2	C0	1607	P -58 718
55	9.4E	7.8Z	30 24.525	-0.0013	12	-51 53 13.58	0.008	12	0.81	24.586	63	04.2	13.93	57	04.2	K2	CZ	3658	P -51 932
56	8.6	7.8W	30 32.758	0.0031	06	-57 34 31.39	-0.022	06	0.14	32.747	14	46.6	31.31	14	46.6	K0	C0	1608	P -57 1012
57	9.1	8.7W	30 44.769	0.0064	07	-53 13 36.35	0.142	07	0.18	44.693	15	38.1	38.05	18	38.1	G5	C9	2176	P -53 1100
58	9.8	9.5W	30 49.155	-0.0030	06	-58 35 28.47	-0.017	06	0.14	49.166	14	46.6	28.41	14	46.6	F5	C0	1609	P -58 720
59	9.5E	8.5Z	30 56.978	0.0006	12	-51 40 32.09	-0.005	12	0.81	56.952	63	04.2	31.84	57	04.2	K0	CZ	3666	P -51 935
60	9.8	8.8W	31 2.239	-0.0046	07	-52 28 14.46	0.016	07	0.18	2.293	15	38.1	14.65	18	38.1	K0	C9	2177	P -52 941
61	10.0	9.8W	31 4.892	0.0014	09	-58 24 52.54	0.021	09	0.14	4.887	14	46.6	52.61	14	46.6	F5	C0	1610	P -58 721
62	10.2	9.6W	31 5.159	-0.0004	09	-52 6 11.01	-0.039	09	0.20	5.163	15	38.1	10.55	18	38.1		C9	2178	P -52 942
63	9.5E	9.0*	31 12.801	0.0006	12	-51 7 55.86	0.009	12	0.65	12.769	31	01.6	56.31	31	01.6	A5	CZ	3672	P -51 937
64		5.8T	31 13.640	0.0004	08	-58 42 56.82	-0.011	06	0.39	13.617	17	00.9	56.21	15	96.1	B9	GC	8530K	P*-58 722
65		7.7T	31 36.225	0.0008	12	-50 26 3.15	0.020	10	0.61	36.183	19	00.1	4.26	18	95.7	G0	GC	8538	C -50 2268
66		7.9T	31 36.667	0.0125	13	-55 36 31.34	-0.100	10	0.55	36.071	18	08.5	26.61	18	02.5	G5	GC	8539	P -55 1012
67	9.9	10.2W	31 41.776	0.0025	12	-57 50 34.42	0.027	12	0.15	41.767	14	46.6	34.51	14	46.6	A2	C0	1612	P -57 1013
68	8.4	8.2W	31 48.972	0.0010	07	-55 2 20.01	-0.112	07	0.18	48.960	15	38.1	18.67	18	38.1	F8	C9	2181	P -54 1050
69	9.9	8.7W	31 53.893	-0.0000	15	-54 13 40.97	0.016	15	0.24	53.893	15	38.1	41.15	18	38.1	K5	C9	2182	P -54 1051
70	10.5	9.2W	31 55.644	-0.0032	09	-54 55 33.35	0.026	09	0.20	55.683	15	38.1	33.66	18	38.1	K0 O	C9	2183	P -54 1052
71	10.0	8.8W	32 0.616	0.0000	07	-59 13 29.60	0.003	07	0.14	0.616	14	46.6	29.61	14	46.6	K0	C0	1613	P -59 671
72	8.7	8.4W	32 6.272	0.0015	07	-52 13 33.97	-0.027	07	0.18	6.253	15	38.1	33.65	18	38.1	G0	C9	2184	P -52 944
73	9.6	8.9W	32 16.915	-0.0033	07	-52 26 38.42	-0.040	07	0.18	16.953	15	38.1	37.95	18	38.1	K0	C9	2185	P -52 946
74		6.1T	32 18.226	-0.0053	11	-52 17 23.27	0.040	07	0.53	18.488	21	00.4	25.70	18	89.4	G5	GC	8566	P -52 947
75	10.0	9.2W	32 21.066	-0.0021	07	-55 22 47.99	0.032	07	0.18	21.090	15	38.1	48.38	18	38.1	K0	C9	2188	P -55 1015
76	9.8E	9.4Z	32 25.065	-0.0014	12	-50 20 58.98	0.006	12	0.70	25.129	45	04.1	59.26	45	04.1	F5	CZ	3690	P -50 998
77		8.1T	32 36.956	-0.0023	14	-54 4 37.71	0.014	14	0.77	37.057	22	06.3	38.37	21	02.5	A0	GC	8570	P -54 1056
78	9.1	8.8W	32 37.106	-0.0006	06	-54 33 5.71	0.114	06	0.18	37.113	15	38.1	7.06	18	38.1	F8	C9	2190	P -54 1057
79	10.0E	9.7Z	32 52.095	-0.0015	12	-50 23 54.89	-0.015	12	0.70	52.164	45	04.1	54.22	45	04.1		CZ	3693	P -50 1000
80	10.0	9.9W	33 5.009	-0.0056	13	-56 42 14.99	0.007	13	0.15	5.028	14	46.6	15.01	14	46.6	F0	C0	1616	P -56 1110
81	9.7	8.9W	33 14.333	-0.0016	07	-57 2 42.46	-0.014	07	0.14	14.338	14	46.6	42.41	14	46.6	K0	C0	1617	P -56 1111
82	10.3	9.4W	33 15.252	0.0008	08	-54 53 38.05	-0.007	08	0.19	15.243	15	38.1	37.96	18	38.1	G8 O	C9	2193	P -54 1059
83	10.0	9.9W	33 18.284	0.0018	06	-54 56 55.91	0.013	06	0.18	18.263	15	38.1	56.06	18	38.1	F0	C9	2194	P -54 1060
84	9.1E	9.0Z	33 21.802	-0.0028	12	-51 38 18.48	0.009	12	0.81	21.932	63	04.2	18.88	57	04.2	A0	CZ	3702	P -51 946
85	9.6	8.8W	33 22.585	-0.0005	07	-55 11 53.79	-0.010	07	0.18	22.590	15	38.1	53.67	18	38.1	K2	C9	2195	P -55 1018
86	8.3E	8.5Z	33 32.496	-0.0045	12	-51 10 33.21	0.078	12	0.81	32.701	63	04.2	36.80	57	04.2	F8	CZ	3706	P -51 947
87	8.7E	8.5H	33 34.332	0.0015	12	-50 4 14.17	0.016	12	0.70	34.263	45	04.1	14.92	45	04.1	F2	CZ	3704	P -50 1005
88	9.0	7.5W	33 46.832	-0.0034	06	-53 14 25.41	0.003	06	0.18	46.873	15	38.1	25.44	18	38.1	K5	C9	2198	P -53 1110
89		4.4T	33 52.402	-0.0015	05	-52 56 2.61	0.011	04	0.24	52.471	09	03.8	3.14	09	01.0	A0	GC	8604	P*-52 953
90	10.4		33 58.613	0.0027	09	-55 5 44.27	-0.084	09	0.20	58.580	15	38.1	43.27	18	38.1	G2 O	C9	2200	P -55 1021
91	9.6	9.2W	34 11.294	-0.0013	07	-56 46 33.33	0.023	07	0.14	11.298	14	46.6	33.41	14	46.6	G5	C0	1618	P -56 1116
92		6.8T	34 20.304	-0.0011	10	-50 15 14.63	0.012	08	0.55	20.359	18	98.0	15.38	18	90.0	K0	GC	8618	C -50 2295
93	9.4	8.5W	34 24.352	-0.0018	06	-57 13 22.46	-0.014	06	0.14	24.358	14	46.6	22.41	14	46.6	K0	C0	1619	P -57 1020
94	9.9	9.1W	34 25.022	-0.0009	07	-53 40 8.67	0.024	07	0.18	25.033	15	38.1	8.95	18	38.1	K0	C9	2205	P -53 1115
95		9.0T	34 28.026	-0.0032	22	-52 17 51.03	-0.033	18	0.91	28.160	22	07.8	49.59	22	06.2	F2	GC	8622	P -52 956
96	9.7	8.2W	34 41.436	0.0028	07	-59 2 41.67	-0.018	07	0.14	41.426	14	46.6	41.61	14	46.6	K5	C0	1621	P -58 739
97	9.5	9.6W	34 47.622	-0.0016	10	-58 10 9.41	0.001	10	0.14	47.627	14	46.6	9.41	14	46.6	A0	C0	1622	P -58 740
98	10.0	10.2W	34 48.022	-0.0043	10	-57 50 36.47	0.012	10	0.14	48.007	14	46.6	36.51	14	46.6	A0	C0	1623	P -57 1022
99		8.4T	34 54.528	-0.0035	18	-55 18 15.29	0.011	14	0.75	54.687	22	06.6	15.80	22	05.1	A2	GC	8637	P -55 1023
00		7.6T	34 56.908	-0.0021	13	-56 11 6.54	0.039	10	0.61	57.018	21	02.8	8.65	19	96.5	K0	GC	8638	P -56 1119

234600

NUMBER	MAGNITUDES m_{pg}	m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 6H DM NUMBER
1	10.4E	9.3*	6 35 3.022	0.0008	12	-50 58 30.35	-0.031	12	0.64	2.982	31	02.4	28.89	28	02.4		CZ	3730	P -50 1009
2	9.9	10.3W	35 9.454	0.0019	10	-58 6 20.50	0.002	10	0.14	9.447	14	46.6	20.51	14	46.6	A0	C0	1625	P -58 741
3	9.2	9.2W	35 11.911	-0.0094	15	-54 52 33.33	0.011	15	0.24	12.023	15	38.1	33.46	18	38.1	A3	C9	2209	P -54 1065
4		7.2T	35 13.089	0.0030	09	-50 16 53.37	0.137	07	0.37	12.960	15	07.6	59.76	15	03.5	G5	GC	8650	C -50 2300
5	10.1E	9.8Z	35 26.855	-0.0005	12	-50 35 27.11	0.014	12	0.70	26.880	45	04.1	27.77	45	04.1		CZ	3735	P -50 1014
6	8.6E	8.2Z	35 29.667	0.0001	12	-51 23 10.59	0.028	12	0.65	29.660	31	01.7	11.96	31	01.7	A3	CZ	3737	P -51 954
7		7.0T	35 36.854	0.0045	13	-57 29 47.29	0.057	10	0.58	36.625	19	03.7	50.24	18	98.6	F2	GC	8659	P -57 1027
8		7.9T	35 51.233	-0.0023	13	-50 26 18.72	0.005	12	0.68	51.343	22	01.2	18.95	21	97.6	MG	GC	8665	C -50 2307
9	9.5	9.5W	35 52.949	-0.0004	06	-51 58 20.86	0.016	06	0.18	52.953	15	38.1	21.05	18	38.1	A0	C9	2212	P -51 955
10	9.6	9.6W	35 53.340	-0.0025	09	-57 4 53.53	0.024	09	0.14	53.348	14	46.6	53.61	14	46.6	A0	C0	1628	P -57 1028
11	8.4	8.6W	35 53.665	0.0022	07	-58 21 55.06	0.015	07	0.14	53.657	14	46.6	55.11	14	46.6	A0	C0	1629	P -58 742
12	9.4	9.2W	35 56.324	-0.0007	13	-59 10 37.77	0.013	13	0.15	56.326	14	46.6	37.81	14	46.6	F0	C0	1630	P -59 677
13	10.4	9.6W	35 56.904	-0.0007	09	-54 54 15.46	0.034	09	0.20	56.913	15	38.1	15.86	18	38.1	G3	C9	2213	P -54 1068
14		7.6T	35 59.080	0.0004	14	-52 18 9.59	-0.022	10	0.62	59.061	18	04.1	8.49	19	99.8	A0	GC	8669	P -52 960
15	10.1E	9.5Z	36 0.484	-0.0009	12	-51 38 46.73	0.017	12	0.81	0.527	63	04.2	47.51	57	04.2		CZ	3749	P -51 956
16	10.4	9.4W	36 2.726	0.0002	08	-51 59 12.97	0.031	08	0.19	2.723	15	38.1	13.35	18	38.1	K0	C9	2215	P -51 957
17	9.8	9.6W	36 4.324	-0.0016	07	-56 12 50.18	0.006	07	0.14	4.329	14	46.6	50.20	14	46.6	F2	C0	1631	P -56 1123
18	10.0		36 7.021	-0.0035	15	-53 25 42.39	0.013	15	0.24	7.063	15	38.1	42.54	18	38.1	A1	C9	2216	P -53 1118
19	10.0	10.2W	36 11.530	-0.0022	09	-57 53 56.96	0.015	09	0.14	11.537	14	46.6	57.01	14	46.6	A	C0	1632	P -57 1031
20	9.7	9.6W	36 15.661	-0.0025	07	-55 23 3.12	0.046	07	0.18	15.690	15	38.1	3.67	18	38.1	F3	C9	2217	P -55 1026
21	10.7	9.0W	36 22.103	-0.0008	09	-54 56 5.38	0.032	09	0.20	22.113	15	38.1	5.76	18	38.1	M0	C9	2219	P -54 1070
22	10.1	9.5W	36 28.035	0.0002	09	-54 26 30.54	0.001	09	0.20	28.033	15	38.1	30.55	18	38.1	G2	C9	2220	P -54 1071
23		6.9T	36 37.704	-0.0008	13	-55 17 57.06	0.027	10	0.61	37.748	21	02.5	58.49	19	97.9	K0	GC	8687K	P -55 1028
24		8.0T	36 39.421	-0.0051	12	-58 8 14.40	0.053	10	0.56	39.688	18	03.2	17.15	17	98.0	F0	GC	8688	P -58 744
25	9.5	9.3W	36 40.871	-0.0027	07	-53 13 12.19	0.038	07	0.18	40.903	15	38.1	12.64	18	38.1	F2	C9	2222	P -53 1122
26	10.2	8.7W	36 47.207	-0.0003	07	-57 23 33.42	-0.001	07	0.14	47.208	14	46.6	33.41	14	46.6	K0	C0	1635	F -57 1032
27		6.5T	37 16.517	-0.0005	10	-52 53 12.91	0.011	08	0.52	16.542	21	97.8	13.53	18	92.5	K5	GC	8701	F -52 966
28	9.2	8.8W	37 20.083	-0.0034	07	-59 43 39.92	-0.004	07	0.14	20.095	14	46.6	39.91	14	46.6	G5	C0	1636	P -59 681
29	8.4	8.3W	37 22.278	-0.0004	07	-53 36 24.54	0.018	07	0.18	22.283	15	38.1	24.75	18	38.1	A5	C9	2226	P -53 1126
30	10.1E	9.6Z	37 27.048	-0.0019	12	-51 52 30.21	0.012	12	0.70	27.137	45	04.2	30.76	45	04.2		CZ	3776	F -51 962
31		7.9T	37 39.581	0.0014	13	-58 17 34.07	0.049	11	0.58	39.516	18	05.9	36.37	18	02.8	F5	GC	8709	P -58 746
32	9.5	9.7W	37 40.961	0.0010	07	-56 47 45.10	0.005	07	0.14	40.958	14	46.6	45.11	14	46.6	A0	C0	1640	P -56 1128
33	10.1	9.9W	37 42.235	-0.0048	15	-53 51 7.88	-0.036	15	0.24	42.293	15	38.1	7.45	18	38.1	F8	C9	2228	P -53 1128
34	10.0	9.7W	37 45.377	-0.0013	09	-53 3 39.49	-0.004	09	0.20	45.393	15	38.1	39.44	18	38.1	G0	C9	2229	P -52 970
35	9.1E	8.5Z	37 56.403	0.0019	12	-51 3 52.05	-0.035	12	0.64	56.309	28	01.7	50.38	26	01.7	G5	CZ	3784	P -50 1022
36	9.6	8.8W	37 59.103	-0.0048	07	-55 15 8.86	0.026	07	0.18	59.160	15	38.1	9.17	18	38.1	G5	C9	2233	P -55 1031
37	9.0E	8.0Z	38 2.839	0.0003	12	-50 53 9.59	-0.015	12	0.70	2.823	45	04.1	8.92	45	04.1	A5	CZ	3789	P -50 1023
38	9.6E	8.8*	38 8.670	-0.0011	12	-50 21 47.99	0.015	12	0.64	8.722	31	02.5	48.71	28	02.5	A0	CZ	3791	P -50 1025
39	10.0	9.1W	38 11.657	-0.0039	07	-52 8 18.01	0.003	07	0.18	11.703	15	38.1	18.05	18	38.1	K0	C9	2234	F -52 974
40	10.1	10.0W	38 13.547	0.0003	09	-59 9 54.44	0.020	09	0.14	13.546	14	46.6	54.51	14	46.6	F5	C0	1643	P -59 683
41		8.5T	38 13.693	-0.0003	17	-58 47 21.88	-0.007	14	0.67	13.705	18	08.9	21.57	18	07.8	F0	GC	8721	P -58 748
42	9.7	9.5W	38 24.325	-0.0023	07	-53 39 46.48	-0.019	07	0.18	24.353	15	38.1	46.25	18	38.1	F5	C9	2238	P -53 1132
43		7.0T	38 30.406	0.0000	13	-57 47 6.74	-0.002	10	0.62	30.405	21	03.1	6.63	19	98.0	K5	GC	8730	P -52 976
44		7.2T	38 38.212	0.0008	14	-53 24 14.00	-0.011	10	0.61	38.175	21	04.5	13.43	19	98.7	A2	GC	8737	P -53 1133
45	9.9E	9.0Z	38 38.578	0.0034	12	-51 1 13.29	-0.018	12	0.70	38.420	45	04.1	12.49	45	04.1	F8	CZ	3798	P -50 1030
46	10.7	9.6W	39 14.600	0.0004	09	-56 27 38.77	-0.022	09	0.14	14.599	14	46.6	38.70	14	46.6	G5	C0	1646	P -56 1132
47	9.7	9.6W	39 16.382	-0.0034	15	-54 1 17.89	-0.003	15	0.24	16.423	15	38.1	17.85	18	38.1	F5	C9	2246	P -53 1134
48	10.4	10.0W	39 23.044	-0.0013	13	-56 10 29.61	0.025	13	0.15	23.049	14	46.6	29.70	14	46.6	F8	C0	1648	P -56 1136
49	10.2	8.7W	39 23.959	-0.0011	07	-54 25 13.34	0.018	07	0.18	23.973	15	38.1	13.55	18	38.1	K5	C9	2247	F -54 1077
50		8.6T	39 33.274	0.0047	22	-51 37 9.75	-0.172	20	0.99	33.509	21	04.4	1.78	19	03.6	G0	GC	8757	C -51 2028
51		9.1T	6 39 38.136	-0.0008	12	-59 4 29.55	0.022	10	0.55	38.173	19	04.8	30.60	15	01.5	B8	GC	8760	P*-59 686
52	9.6	9.3W	39 40.016	0.0000	07	-59 8 58.63	-0.006	07	0.14	40.016	14	46.6	58.61	14	46.6	F2	C0	1650	P -59 687
53	10.8		39 53.427	-0.0021	09	-54 53 18.56	0.017	09	0.20	53.453	15	38.1	18.76	18	38.1	G5	C9	2249	P -54 1078
54	9.7	9.8W	40 10.259	0.0014	07	-52 54 33.17	0.006	07	0.18	10.243	15	38.1	33.24	18	38.1	A	C9	2251	P -52 980
55		7.7T	40 12.446	0.0000	13	-52 38 51.00	-0.005	11	0.62	12.445	18	02.6	50.75	18	00.3	F0	GC	8771	P -52 981
56	10.0	9.2W	40 26.799	0.0031	06	-58 11 10.40	0.001	06	0.14	26.787	14	46.2	10.41	14	46.2	K0	C0	1652	P -58 751
57	9.6E	9.0Z	40 27.819	-0.0024	12	-50 57 5.01	0.032	12	0.64	27.931	31	02.5	6.55	28	02.5	F5	CZ	3816	P -50 1038
58	9.5	8.7W	40 41.422	0.0009	06	-55 56 58.56	0.036	06	0.14	41.418	14	46.2	58.70	14	46.2	K0	C0	1653	P -55 1041
59	10.4		40 48.596	-0.0063	15	-55 27 38.59	0.032	15	0.24	48.670	15	38.1	38.97	18	38.1	A2	C9	2254	P -55 1042
60	9.0E	8.0Z	40 54.811	-0.0007	12	-51 42 33.08	0.026	12	0.81	54.845	63	04.2	34.26	57	04.2	G5	CZ	3826	P -51 976
61	10.0		41 3.429	0.0004	11	-57 0 54.99	0.004	11	0.15	3.427	14	46.2	55.01	14	46.2	A5	C0	1654	P -56 1143
62	9.1E	8.5Z	41 30.183	-0.0002	12	-50 24 5.15	0.009	12	0.70	30.192	45	04.1	5.57	45	04.1	B9	CZ	3833	P -50 1041
63	9.9		41 31.321	-0.0007	08	-59 35 1.61	0.001	08	0.14	31.324	14	46.2	1.61	14	46.2	A0	C0	1655	P -59 691
64	9.4	9.3W	41 33.028	0.0054	07	-58 7 55.42	-0.030	07	0.14	33.007	14	46.2	55.31	14	46.2	F8	C0	1656	P*-58 759
65		6.9T	41 34.476	-0.0035	11	-50 24 2.86	0.017	08	0.55	34.655	22	98.3	3.85	19	89.5	B5	GC	8798K	C*-50 2357
66	10.0	9.5W	41 38.541	0.0294	13	-56 23 43.10	0.078	13	0.15	38.428	14	46.2	43.40	14	46.2	G3	C0	1658	P -56 1146
67		7.9T	41 53.900	-0.0035	14	-55 3 50.61	0.013	11	0.63	54.078	21	04.3	51.29	19	99.5	B8	GC	8809K	P*-54 1088
68	9.6E	9.0Z	41 54.041	0.0025	12	-51 44 46.57	0.075	12	0.81	53.928	63	04.2	50.00	57	04.2	F8	CZ	3846	P -51 978
69		8.2T	41 54.291	-0.0022	13	-55 57 54.81	-0.012	11	0.62	54.401	21	02.3	54.22	19	99.0	A0	GC	8811	P -55 1047
70	9.0	8.8W	41 57.596	-0.0023	06	-52 1 39.62	-0.006	06	0.18	57.623	15	38.1	39.55	18	38.1	F0	C9	2257	P -51 979
71	10.0E	9.2Z	41 59.911	-0.0010	12	-50 35 59.39	0.048	12	0.70	59.958	45	04.1	+ 1.61	45	04.1	K0	CZ	3847	P -50 1047
72		7.8T	42 5.881	-0.0005	13	-58 25 57.61	-0.003	11	0.55	5.905	18	06.6	57.47	17	04.9	K5	GC	8816	P -58 762
73	10.1	9.1W	42 18.241	0.0000	08	-55 4 42.44	0.036	08	0.19	18.240	15	38.1	42.87	18	38.1	G5	C9	2259	P -55 1049
74	9.0	8.7W	42 19.149	-0.0035	07	-55 10 44.37	0.042	07	0.18	19.190	15	38.1	44.88	18	38.1	F5	C9	2260	P -55 1050
75	10.2	8.6W	42 26.396	-0.0014	08	-52 58 19.81	0.011	08	0.19	26.413	15	38.1	19.94	18	38.1	MB	C9	2261	P -52 986
76	8.3	8.6W	42 48.097	-0.0021	07	-54 7 47.51	0.012	07	0.18	48.123	15	38.1	47.65	18	38.1	A0	C9	2262	P -54 1092
77	8.8E	9.0Z	42 48.713	-0.0021	12	-50 28 25.45	0.016	12	0.64	48.812	31	02.4	26.22	28	02.4	A3	CZ	3852	P -50 1049
78	9.1	8.6W	42 50.668	-0.0054	06	-54 31 2.12	0.130	06	0.18	50.733	15	38.1	3.66	18	38.1	G5	C9	2263	P -54 1093
79	10.3	8.7W	43 0.312	0.0010	08	-55 8 46.31	-0.012	08	0.19	0.300	15	38.1	46.17	18	38.1	K0	C9	2264	P -55 1056
80	9.4	9.7W	43 1.910	-0.0048	13	-56 21 43.48	0.004	13	0.15	1.928	14	46.2	43.50	14	46.2	A0	C0	1662	P -56 1153
81	9.8	9.6W	43 6.750	-0.0011	13	-52 36 2.26	0.007	13	0.23	6.763	15	38.1	2.34	18	38.1	F2	C9	2266	P -52 990
82		6.8T	43 8.745	-0.0022	10	-54 40 42.13	0.001	08	0.52	8.854	19	99.8	42.18	18	95.0	A0	GC	8838	P -54 1096
83		6.6T	43 11.599	-0.0032	13	-54 38 33.82	0.014	10	0.60	11.749	21	02.8	34.54	19	98.3	A0	GC	8839	P -54 1097
84		8.5T	43 37.640	-0.0012	18	-52 22 13.88	-0.009	13	0.76	37.692	21	05.6	13.45	19	01.2	A0	GC	8851K	P*-52 994
85	8.7E	9.0Z	43 41.675	0.0005	12	-50 31 8.05	-0.008	12	0.70	41.654	45	04.1	7.69	45	04.1	B8	CZ	3865	P -50 1052
86	9.9	9.5W	43 48.835	0.0025	06	-58 48 51.10	0.054	06	0.14	48.825	14	46.2	51.31	14	46.2	F5	C0	1665	P -58 767
87	10.3	9.5W	43 50.430	0.0012	08	-59 13 26.50	0.002	08	0.14	50.426	14	46.2	26.51	14	46.2	G3	C0	1666	P -59 694
88	8.9	8.7W	43 52.056	-0.0056	09	-57 23 15.11	0.078	09	0.14	52.078	14	46.2	15.41	14	46.2	F5	C0	1667	P -57 1047
89	9.0	7.8W	43 56.747	-0.0014	07	-52 18 33.38	0.048	07	0.18	56.763	15	38.1	33.95	18	38.1	G5	C9	2270	P -52 995
90	8.4E	9.0Z	44 4.322	-0.0002	12	-51 30 58.88	0.021	12	0.65	4.333	31	01.6	59.92	31	01.6	A5	CZ	3869	P -51 985
91	9.4	9.7W	44 8.750	0.0012	06	-59 15 0.89	0.006	06	0.14	8.746	14	46.2	0.91	14	46.2	A	C0	1668	P -59 697
92	9.9	9.7W	44 16.136	-0.0039	08	-54 41 33.53	-0.022	08	0.19	16.183	15	38.1	33.26	18	38.1	G0	C9	2271	P -54 1103
93		6.3T	44 16.735	0.0003	12	-52 8 48.91	-0.007	11	0.60	16.719	21	01.9	48.56	19	98.8	G5	GC	8872	P -52 996
94	10.1E	9.3*	44 19.115	0.0002	12	-50 41 11.66	0.019	12	0.64	19.108	31	02.5	12.59	28	02.5	F0	CZ	3873	P -50 1056
95	9.0	8.8W	44 20.645	-0.0024	07	-52 26 19.30	0.063	07	0.18	20.673	15	38.1	20.05	18	38.1	F0	C9	2273	P -52 997
96	8.9	9.1W	44 23.025	-0.0015	07	-54 5 56.60	-0.004	07	0.18	23.043	15	38.1	56.55	18	38.1	A2	C9	2274	P -54 1105
97	9.4	9.6W	44 28.226	-0.0022	07	-59 38 6.41	-0.001	07	0.14	28.234	14	46.2	6.41	14	46.2	A	C0	1670	P -59 698
98	10.1	8.6W	44 34.839	0.0011	09	-59 52 22.26	0.013	09	0.14	34.834	14	46.2	22.31	14	46.2	K5	C0	1621	P -59 699
99		5.7T	44 45.022	-0.0009	07	-52 21 18.92	-0.003	06	0.27	45.055	09	12.8	18.81	10	10.1	K0	GC	8862	P -52 998
00	9.1	8.9W	44 57.732	0.0016	07	-54 58 28.96	-0.000	07	0.18	57.713	15	38.1	28.96	18	38.1	F5	C9	2279	P -54 1112

234700

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.2E	8.0Z	6 45 11.736	0.0011	12	-51 8 41.18	0.015	12	0.81	11.683	63	04.2	41.88	57	04.2	A2	CZ	3882	P -51 991
2	10.4	9.5W	45 21.785	0.0010	07	-54 40 52.69	0.023	07	0.18	21.773	15	38.1	52.96	18	38.1	K0 O	C9	2280	P -54 1113
3	10.0	9.8W	45 40.351	-0.0001	13	-53 1 25.34	0.000	13	0.23	40.353	15	38.1	25.34	18	38.1	F5 O	C9	2282	P -52 1001
4		6.4T	45 40.451	-0.0062	13	-54 38 21.60	0.024	09	0.60	40.746	21	02.3	22.88	19	96.3	G5	GC	8900X	P*-54 1115
5		5.3T	45 40.637	-0.0007	09	-51 12 30.77	-0.097	08	0.36	40.664	14	12.2	26.74	14	08.7	K2	GC	8901	C*-51 2078
6		8.3T	45 51.602	0.0033	13	-58 36 2.73	-0.039	14	0.60	51.461	18	09.5	1.06	18	07.7	G5	GC	8904	P -58 776
7	10.1		45 53.220	0.0040	09	-59 48 48.52	-0.004	09	0.14	53.204	14	46.2	48.51	14	46.2	A	CD	1625	P -59 703
8	9.0	9.3W	46 12.079	-0.0003	07	-53 21 33.83	0.018	07	0.18	12.083	15	38.1	34.05	18	38.1	A0	C9	2284	P -53 1158
9	10.1	9.1W	46 12.437	0.0014	09	-55 12 57.29	-0.010	09	0.20	12.420	15	38.1	57.17	18	38.1	G8 O	C9	2285	P -55 1062
10		5.6T	46 20.239	0.0005	06	-55 29 2.06	0.017	05	0.28	20.216	12	06.9	2.90	12	01.9	K2	GC	8912	P -55 1063
11	9.9	8.8W	46 20.619	0.0001	13	-56 23 35.75	0.011	13	0.15	20.618	14	46.2	35.80	14	46.2	K2	CD	1674	P -56 1163
12	9.8	8.9W	46 28.020	0.0015	06	-59 54 23.69	0.030	06	0.14	28.014	14	46.2	23.81	14	46.2	K0	C9	1629	P -59 704
13	9.1	8.3W	46 34.954	-0.0014	06	-55 12 31.02	0.021	06	0.18	34.970	15	38.1	31.27	18	38.1	K0	C9	2287	P -55 1064
14		7.9T	46 38.526	-0.0016	10	-54 41 42.16	0.015	09	0.49	38.599	18	03.7	42.96	17	96.5	A0	GC	8920	P -54 1118
15	9.8	9.0W	46 45.969	0.0014	07	-54 29 50.52	0.003	07	0.18	43.953	15	38.1	50.55	18	38.1	G0	C9	2289	P -54 1119
16	9.9	9.1W	46 44.570	0.0008	07	-55 20 3.17	0.017	07	0.18	44.560	15	38.1	3.37	18	38.1	G5	C9	2290	P -55 1065
17	9.2	9.0W	46 49.180	0.0014	08	-52 27 21.68	-0.020	08	0.19	49.163	15	38.1	21.45	18	38.1	F0	C9	2291	P -52 1004
18	8.9	8.9W	46 50.137	-0.0013	07	-53 7 16.35	0.008	07	0.18	50.153	15	38.1	16.44	18	38.1	A2	C9	2292	P -53 1160
19	10.1		47 18.002	0.0017	13	-59 6 32.50	0.001	13	0.15	17.995	14	46.2	32.51	14	46.2	A2	CD	1676	P -59 707
20	9.4	8.9W	47 18.069	-0.0018	07	-55 23 45.78	0.075	07	0.18	18.090	15	38.1	46.68	18	38.1	G0	C9	2294	P -55 1068
21	9.8E	9.0Z	47 18.302	-0.0015	12	-51 29 8.47	0.017	12	0.81	18.373	63	04.2	9.27	57	04.2	A2	CZ	3917	P -51 997
22	9.0	8.5W	47 18.341	0.0007	07	-56 1 40.85	-0.014	07	0.14	18.338	14	46.2	40.80	14	46.2	G0	CD	1677	P -55 1069
23	8.2	8.1W	47 21.524	-0.0007	07	-53 50 9.38	0.032	07	0.18	21.533	15	38.1	9.75	18	38.1	A3	C9	2296	P -53 1162
24		8.6T	47 22.846	0.0058	17	-57 25 34.78	-0.012	13	0.68	22.593	21	08.0	34.27	19	06.1	F5	GC	8933	P -57 1058
25	9.6	8.2W	47 23.773	0.0011	07	-56 15 37.98	0.005	07	0.14	23.768	14	46.2	38.00	14	46.2	K5	CD	1679	P -56 1165
26		7.3T	47 25.247	-0.0012	16	-57 35 55.98	0.046	10	0.64	25.307	19	06.2	58.21	18	01.3	K0	GC	8934	P -57 1059
27	8.1	7.9W	47 34.700	0.0023	05	-53 57 23.56	0.025	05	0.18	34.673	15	38.1	23.85	18	38.1	F0	C9	2297	P -53 1163
28	9.4	9.2W	47 43.767	-0.0013	07	-53 41 24.71	0.046	07	0.18	43.783	15	38.1	25.25	18	38.1	F8 O	C9	2298	P -53 1165
29		8.1T	47 48.698	0.0003	10	-58 24 33.24	0.009	10	0.53	48.685	19	02.2	33.68	19	00.2	A2	GC	8942	P -58 779
30	10.1	9.9W	47 52.121	-0.0018	15	-52 55 16.66	-0.001	15	0.24	52.143	15	38.1	16.64	18	38.1	F5 O	C9	2299	P -52 1008
31	9.9		47 52.998	-0.0021	15	-52 58 52.14	0.009	15	0.24	53.023	15	38.1	52.24	18	38.1	A	C9	2300	P -52 1009
32	8.2E	8.0Z	48 8.382	-0.0024	12	-51 42 12.67	0.054	12	0.65	8.500	31	01.7	15.28	31	01.7	F0	CZ	3930	P -51 999
33	9.4	9.5W	48 18.702	-0.0026	15	-52 31 33.89	0.013	15	0.24	18.733	15	38.1	34.04	18	38.1	A0	C9	2302	P -52 1012
34	8.9E	8.5W	48 37.971	0.0012	12	-50 5 18.26	-0.121	12	0.63	37.913	28	02.5	12.52	26	02.5	G0	CZ	3936	P -50 1069
35		2.8H	48 41.683	0.0033	03	-50 33 15.49	-0.074	03	0.11	41.574	06	17.3	13.01	06	16.5	K0	F4	263	C -50 2415
36	10.5E	9.3*	48 43.432	-0.0003	12	-50 53 17.32	-0.016	12	0.64	43.444	31	02.5	16.58	28	02.5	F8	CZ	3940	P -50 1071
37		4.4T	48 46.131	-0.0004	06	-53 33 47.16	0.030	05	0.28	46.148	12	08.5	48.58	12	02.6	G5	GC	8972	P*-53 1168
38	9.6	9.4W	48 49.635	0.0053	07	-59 48 1.87	0.063	07	0.14	49.614	14	46.2	2.11	14	46.2	F5	CD	1641	P -59 709
39		7.7T	49 4.858	-0.0017	12	-55 50 37.38	0.000	09	0.59	4.952	19	00.2	37.40	17	93.7	A5	GC	8980	P -55 1075
40		7.5T	49 6.149	0.0004	13	-52 44 24.41	0.029	11	0.65	6.129	21	02.1	25.92	19	97.7	B9	GC	8981	P -52 1014
41	9.8		49 13.365	-0.0048	15	-54 56 7.40	0.022	15	0.24	13.423	15	38.1	7.66	18	38.1	A	C9	2306	P -54 1128
42	9.1	9.2W	49 15.658	-0.0002	07	-55 1 1.43	0.004	07	0.18	15.660	15	38.1	1.48	18	38.1	A0	C9	2307	P -54 1129
43	8.4	8.8W	49 32.585	-0.0012	07	-55 40 57.10	0.023	07	0.18	32.599	15	38.1	57.37	18	38.1	B9	C9	2309	P -55 1078
44	9.9	9.4W	49 47.100	-0.0028	07	-52 24 8.79	-0.037	07	0.18	47.133	15	38.1	8.35	18	38.1	G5	C9	2311	P -52 1018
45	9.8	9.8W	49 48.528	0.0055	15	-52 57 9.07	0.015	15	0.24	48.463	15	38.1	9.25	18	38.1	A2	C9	2313	P -52 1020
46	9.2	9.0W	49 50.079	0.0003	07	-57 19 33.82	0.024	07	0.14	50.078	14	46.2	33.91	14	46.2	F2	CD	1684	P -57 1065
47	9.7	9.0W	49 53.679	-0.0022	07	-56 53 30.78	-0.018	07	0.14	53.687	14	46.2	30.71	14	46.2	G5	CD	1685	P -56 1179
48	9.8		50 1.742	-0.0043	13	-56 10 35.66	0.062	13	0.15	1.758	14	46.2	35.90	14	46.2	G	CD	1686	P*-56 1180
49		8.6W	50 3.261	-0.0045	13	-56 10 46.54	0.068	13	0.15	3.278	14	46.2	46.79	14	46.2	G0	CD	1687	P -56 1181
50	10.0E	9.7Z	50 24.614	-0.0042	12	-51 44 57.29	-0.011	12	0.81	24.809	63	04.1	56.78	57	04.1	A2	CZ	3968	P -51 1006
51	9.8	9.9W	6 50 30.785	-0.0001	06	-59 14 19.98	-0.020	06	0.14	30.785	14	46.2	19.91	14	46.2	A3	CD	1688	P -59 713
52	9.2	8.9W	50 35.637	-0.0002	07	-55 31 50.00	-0.078	07	0.18	35.639	15	38.1	49.07	18	38.1	F5	C9	2317	P -55 1081
53	9.7	8.3W	50 41.736	0.0020	15	-54 18 51.95	-0.000	15	0.24	41.713	15	38.1	51.95	18	38.1	K5	C9	2320	P -54 1134
54		8.6T	50 45.367	0.0011	15	-58 15 59.98	0.007	10	0.59	45.319	19	07.6	+ 0.29	18	04.3	B9	GC	9014	P -58 788
55	9.8	9.1W	50 48.166	0.0005	06	-59 38 53.60	0.028	06	0.14	48.164	14	46.2	53.71	14	46.2	G5	CD	1690	P -59 714
56	9.6	8.0W	51 4.037	-0.0005	07	-55 53 31.23	-0.008	07	0.14	4.038	14	46.2	31.20	14	46.2	K5	CD	1691	P -55 1084
57	10.3	9.5W	51 4.450	0.0006	09	-52 33 13.32	0.002	09	0.20	4.443	15	38.1	13.34	18	38.1	K0 C9		2322	P -52 1025
58		9.5T	51 15.489	-0.0003	13	-56 27 9.15	-0.027	11	0.63	15.502	21	03.5	7.80	19	99.4		GC	9026	P -56 1185
59		8.4T	51 17.631	0.0003	11	-56 26 42.85	-0.037	10	0.52	17.614	18	04.9	40.99	17	99.2	G0	GC	9029K	P -56 1186
60	9.6E	9.0Z	51 31.532	-0.0016	12	-51 42 23.79	-0.032	12	0.81	31.607	63	04.1	22.32	57	04.1	F0	CZ	3987	P -51 1012
61	11.6		51 31.798	0.0012	08	-52 11 44.65	-0.009	08	0.19	31.783	15	38.1	44.55	18	38.1	K5 O	C9	2324	P -52 1027
62		6.5T	51 43.026	-0.0026	12	-54 1 38.62	0.016	08	0.56	43.152	21	01.8	39.50	18	94.1	K0	GC	9045	P -53 1177
63	9.8		51 49.617	0.0000	07	-57 55 51.24	0.018	07	0.14	49.617	14	46.2	51.31	14	46.2	A0	CD	1694	P -57 1072
64		6.4T	52 1.395	-0.0017	10	-59 16 42.93	0.038	09	0.48	1.478	19	03.3	44.79	17	00.6	A2	GC	9056	P -59 716
65	9.1E	8.5Z	52 2.551	-0.0018	12	-51 49 15.19	-0.009	12	0.66	2.640	31	01.6	14.75	31	01.6	K0	CZ	3993	P -51 1013
66	9.8	8.7W	52 3.323	-0.0009	07	-52 7 43.61	0.028	07	0.18	3.333	15	38.1	43.95	18	38.1	K0	C9	2326	P -52 1028
67	9.9	8.9W	52 3.797	-0.0039	13	-52 20 48.44	-0.058	13	0.23	3.843	15	38.1	47.75	18	38.1	K0	C9	2327	P -52 1029
68	9.1E	9.0Z	52 4.535	-0.0040	12	-51 4 36.31	-0.014	12	0.81	4.349	63	04.1	35.68	57	04.1	A2	CZ	3992	P -50 1083
69	8.3	8.5W	52 29.763	-0.0008	07	-54 24 14.24	0.018	07	0.18	29.773	15	38.1	14.45	18	38.1	A0	C9	2330	P -54 1141
70	9.0	7.9W	52 31.998	0.0072	07	-54 49 13.18	0.083	07	0.18	31.913	15	38.1	14.16	18	38.1	K0	C9	2331	P -54 1142
71	8.7E	8.5Z	52 36.123	-0.0035	12	-51 22 5.99	0.017	12	0.65	38.290	31	01.6	6.83	31	01.6	A0	CZ	4003	P -51 1016
72	9.7	8.5W	52 36.947	-0.0006	07	-51 58 6.45	0.008	07	0.18	38.953	15	38.1	6.55	18	38.1	K2	C9	2332	P -51 1017
73	10.3E	9.1*	52 44.712	-0.0014	12	-50 10 54.37	0.002	12	0.64	44.778	31	02.4	54.48	28	02.4	F0	CZ	4005	P -50 1088
74		6.1T	52 47.915	-0.0058	08	-50 33 1.45	0.218	06	0.36	48.166	15	06.8	11.91	15	01.9	K0	GC	9072	C -50 2458
75	10.0	9.7W	52 50.492	-0.0013	07	-57 37 55.23	0.021	07	0.14	50.497	14	46.2	55.31	14	46.2	F1 O	CD	1696	P -57 1076
76	9.5	9.4W	53 1.382	-0.0015	07	-55 42 55.49	0.015	07	0.18	1.399	15	38.1	55.67	18	38.1	A3	C9	2333	P -55 1093
77		9.1T	53 9.117	0.0053	16	-59 39 30.88	0.014	12	0.63	8.884	19	08.0	31.51	18	06.2	F0	GC	9086	P*-59 717
78		8.2T	53 12.425	0.0001	14	-59 48 59.82	0.001	11	0.59	12.420	19	06.7	59.89	18	03.4	B9	GC	9088	P -59 718
79	8.7E	9.1Z	53 22.981	-0.0049	12	-51 37 25.67	-0.016	12	0.81	23.208	63	04.1	24.94	57	04.1	B9	CZ	4018	P -51 1019
80	9.6	8.4W	53 23.064	0.0000	06	-52 10 16.97	0.015	06	0.18	23.083	15	38.1	17.15	18	38.1	K2	C9	2334	P -52 1031
81		8.4T	53 51.211	-0.0046	17	-55 11 30.52	-0.189	13	0.68	51.421	19	09.6	22.00	21	04.8	G5	GC	9106	P -55 1095
82	10.1	9.9W	53 56.588	0.0024	09	-55 44 33.56	-0.075	09	0.20	56.559	15	38.1	32.67	18	38.1	F8 O	C9	2336	P -55 1096
83	9.8	9.5W	54 4.710	-0.0020	07	-56 35 14.49	0.005	07	0.14	4.717	14	46.2	14.51	14	46.2	G0 O	CD	1700	P -56 1195
84	9.9		54 16.613	-0.0011	07	-56 33 15.95	0.015	07	0.14	16.617	14	46.2	16.01	14	46.2	A0	CD	1701	P -56 1196
85	9.8	9.6W	54 19.888	0.0007	07	-58 52 12.43	-0.005	07	0.14	19.885	14	46.2	12.41	14	46.2	G0	CD	1702	P -58 797
86	8.9	9.1W	54 35.397	-0.0013	06	-53 35 37.81	0.020	06	0.18	35.413	15	38.1	38.05	18	38.1	B9	C9	2339	P -53 1193
87	9.8E	8.5*	54 37.450	-0.0014	12	-50 1 11.11	0.009	12	0.65	37.516	31	02.1	11.56	28	02.1	MA	CZ	4030	P -49 1070
88	9.6E	9.5Z	54 39.775	-0.0018	12	-51 20 38.52	0.002	12	0.81	39.855	63	04.1	38.63	57	04.1	A0	CZ	4033	P -51 1024
89	9.3	8.5W	54 41.201	-0.0018	06	-53 33 28.21	0.012	06	0.18	41.223	15	38.1	28.35	18	38.1	K0	C9	2340	P -53 1194
90	10.1E	9.5Z	54 45.155	-0.0019	12	-50 31 33.37	0.008	12	0.70	45.244	45	04.1	33.74	45	04.1	A5	CZ	4035	P -50 1095
91	9.9		54 50.175	-0.0003	08	-59 28 0.18	0.007	08	0.14	50.176	14	46.2	0.21	14	46.2	F2 O	CD	1703	P -59 725
92		7.5T	54 59.080	-0.0022	12	-56 53 4.57	0.598	09	0.57	59.200	19	01.0	38.02	17	94.1	F8	GC	9139	P -56 1199
93	10.2	9.1W	55 2.447	-0.0001	07	-58 20 36.75	-0.036	07	0.14	2.447	14	46.2	36.61	14	46.2	K0	CD	1706	P -58 801
94	9.6E	9.1*	55 9.085	-0.0036	12	-51 33 39.04	0.099	12	0.65	9.261	31	01.6	43.85	31	01.6	G5	CZ	4041	P -51 1027
95	9.2	8.9W	55 13.613	0.0015	06	-57 41 51.48	0.008	06	0.14	13.607	14	46.2	51.51	14	46.2	F5	CD	1707	P -57 1084
96	9.5	9.0W	55 24.001	0.0006	07	-56 1 21.71	-0.031	07	0.14	23.998	14	46.2	21.60	14	46.2	G0	CD	1708	P -55 1104
97	10.1		55 27.169	-0.0028	09	-53 28 42.30	-0.005	09	0.20	27.203	15	38.1	42.24	18	38.1	A0 C9		2345	P -53 1201
98	10.1	9.8W	55 28.396	0.0105	09	-55 26 16.69	0.024	09	0.20	28.270	15	38.1	16.97	18	38.1	F8 O	C9	2346	P -55 1105
99		7.5T	55 31.343	0.0055	11	-57 30 24.43	-0.164	09	0.49	31.068	17	05.9	16.17	15	99.7	G0	GC	9147	P -57 1085
00		7.2T	55 32.752	-0.0000	15	-50 56 53.56	0.001	11	0.69	32.752	19	01.1	53.59	18	96.8	K0	GC	9148	C -50 2477

234800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 6H DM NUMBER
1		8.3T	6 55 34.119	-0.0039	13	-50 41 18.37	0.023	11	0.64	34.315	19	99.8	19.58	18	96.4	B8		GC	9149	C -50 2478
2	10.0	9.0W	55 45.806	-0.0014	09	-54 43 42.19	0.023	09	0.20	45.823	15	38.1	42.46	18	38.1	K0		C9	2347	P -54 1152
3	7.6E	8.1M	55 45.991	0.0003	12	-50 0 25.30	0.008	12	0.71	45.977	45	03.5	25.70	45	03.5	B9		CZ	4051	P -49 1080
4	8.9	9.0W	55 50.682	-0.0035	06	-59 15 34.22	-0.003	06	0.14	50.695	14	46.2	34.21	14	46.2	A0		CO	1710	P -59 732
5	10.2		56 0.698	-0.0018	15	-55 44 1.37	0.034	15	0.24	0.719	15	38.1	1.77	18	38.1	A1	O	C9	2349	P -55 1110
6	10.5		56 4.118	-0.0022	09	-52 1 59.16	0.041	09	0.20	4.143	15	38.1	59.65	18	38.1	G0		C9	2350	P*-51 1029
7		7.7T	56 4.756	-0.0027	18	-54 58 46.48	-0.004	12	0.72	4.871	22	07.0	46.29	21	03.5	K5		GC	9164	P -54 1157
8	8.8E	8.0Z	56 8.376	0.0009	12	-50 55 59.14	0.037	12	0.70	8.332	45	04.1	0.85	45	04.1	G0		CZ	4060	P -50 1100
9	10.5	9.3W	56 8.427	0.0029	06	-59 18 40.05	0.015	06	0.14	8.415	14	46.2	40.11	14	46.2	K0	O	CO	1711	P -59 735
10		8.3T	56 13.484	-0.0012	13	-55 50 47.46	0.026	11	0.65	13.546	19	00.9	48.86	18	96.9	K0		GC	9169	P -55 1111
11	9.4	9.0W	56 23.068	0.0005	07	-54 13 0.71	-0.005	07	0.18	23.063	15	38.1	0.65	18	38.1	G0		C9	2353	P -54 1158
12		7.0T	56 26.706	-0.0028	17	-56 2 0.24	0.033	11	0.71	26.849	21	04.5	1.98	19	98.0	G5		GC	9177	P -55 1113
13		7.1T	56 29.255	-0.0027	12	-55 35 57.28	0.013	10	0.61	29.399	21	00.5	58.00	18	96.0	B9		GC	9179	P -55 1112
14	8.6	8.2W	56 30.571	-0.0027	07	-53 32 38.76	0.033	07	0.18	30.603	15	38.1	39.15	18	38.1	F5		C9	2356	P -53 1205
15		6.9T	56 36.478	-0.0012	12	-52 34 27.97	-0.367	10	0.59	36.536	18	01.2	8.77	19	97.7	F5		GC	9185	P -52 1042
16	10.1		56 46.592	-0.0018	09	-52 0 39.14	-0.016	09	0.20	46.613	15	38.1	38.95	18	38.1	A5		C9	2359	P*-51 1033
17	9.7	9.5W	57 1.830	-0.0044	07	-53 1 9.04	0.000	07	0.18	1.883	15	38.1	9.04	18	38.1	F3	O	C9	2362	P -52 1043
18	8.6E	8.3H	57 3.475	-0.0016	12	-50 6 42.05	0.009	12	0.64	3.550	31	02.4	42.50	28	02.4	A0		CZ	4078	P -50 1103
19	9.4	9.5W	57 4.224	-0.0016	15	-53 49 55.70	0.055	15	0.24	4.243	15	38.1	56.35	18	38.1	A5		C9	2363	P -53 1206
20	9.7	8.1W	57 17.780	0.0006	07	-53 1 57.14	0.009	07	0.18	17.773	15	38.1	57.24	18	38.1	K3	O	C9	2364	P -52 1045
21	9.2	9.4W	57 29.596	0.0023	13	-56 42 31.05	0.016	13	0.15	29.588	14	46.2	31.11	14	46.2	A0		CO	1714	P -56 1210
22	10.1	9.1W	57 31.250	0.0032	09	-54 3 32.45	0.017	09	0.20	31.213	15	38.1	32.65	18	38.1	G3	O	C9	2365	P -53 1208
23	9.7	9.4W	57 31.439	-0.0021	07	-57 52 23.90	0.028	07	0.14	31.447	14	46.2	24.01	14	46.2	F5		CO	1715	P -57 1090
24	9.1	9.5W	57 37.201	0.0011	13	-58 1 0.01	0.027	13	0.15	37.197	14	46.2	0.11	14	46.2	A0		CO	1716	P -57 1091
25		6.4T	57 39.919	-0.0039	10	-56 19 27.83	-0.028	09	0.53	40.129	19	98.9	26.33	18	95.6	F2		GC	9211	P -56 1211
26		6.1T	57 41.136	-0.0088	08	-55 39 29.37	-0.091	08	0.49	41.625	19	96.1	24.31	18	94.1	K0		GC	9212	P -55 1116
27	9.9	9.0W	57 42.811	0.0001	07	-55 33 27.59	-0.010	07	0.18	42.809	15	38.1	27.47	18	38.1	G3	O	C9	2368	P -55 1117
28	10.0E	9.0*	57 50.036	-0.0050	12	-51 37 18.58	-0.038	12	0.66	50.280	31	01.6	16.74	31	01.6	G0		CZ	4091	P -51 1035
29	9.9E	8.8H	57 51.460	-0.0017	12	-50 14 51.76	-0.017	12	0.70	51.538	45	04.1	50.99	45	04.1	F2		CZ	4090	P -50 1110
30	10.1		57 51.742	-0.0026	13	-52 55 57.90	0.037	13	0.23	51.773	15	38.1	58.34	18	38.1	F2	O	C9	2370	P -52 1047
31	10.7		57 53.190	0.0035	13	-57 50 22.60	0.003	13	0.15	53.177	14	46.2	22.61	14	46.2	G0	O	CO	1718	P -57 1094
32	9.5	9.1W	57 56.849	0.0028	07	-56 23 58.02	-0.007	07	0.14	56.838	14	46.2	58.00	14	46.2	F5		CO	1719	P -56 1213
33	8.8	8.6W	57 59.104	-0.0007	07	-53 24 22.34	0.034	07	0.18	59.113	15	38.1	22.74	18	38.1	B9		C9	2371	P -53 1210
34	9.9	9.6W	58 6.181	-0.0094	07	-57 48 8.36	0.118	07	0.14	6.217	14	46.2	8.81	14	46.2	G0	O	CO	1720	P -57 1096
35	10.0	8.3W	58 10.147	-0.0013	07	-53 31 30.55	0.017	07	0.18	10.163	15	38.1	30.75	18	38.1	K5	O	C9	2372	P -53 1211
36	9.6E	9.3H	58 10.956	0.0001	12	-50 5 21.17	0.008	12	0.70	10.951	45	04.1	21.54	45	04.1	A0		CZ	4093	P -49 1091
37	9.9	9.0W	58 13.045	-0.0015	07	-53 3 40.38	0.014	07	0.18	13.063	15	38.1	40.54	18	38.1	G7	O	C9	2373	P -52 1050
38	10.2	9.3W	58 14.910	-0.0019	07	-52 30 39.61	0.003	07	0.18	14.933	15	38.1	39.65	18	38.1	G5	O	C9	2374	P -52 1049
39	8.6	8.4W	58 15.836	-0.0001	09	-58 26 40.23	0.022	09	0.14	15.837	14	46.2	40.31	14	46.2	F2		CO	1721	P -58 807
40	10.2	9.9W	58 21.358	0.0035	09	-58 39 24.32	-0.028	09	0.14	21.345	14	46.2	24.21	14	46.2	F5	O	CO	1723	P -58 809
41	9.4	9.2W	58 21.399	-0.0035	15	-55 1 58.81	0.022	15	0.24	21.440	15	38.1	59.07	18	38.1	F8		C9	2375	P -54 1161
42	9.0	8.5W	58 26.597	0.0004	07	-53 17 26.93	0.060	07	0.18	26.593	15	38.1	27.64	18	38.1	F5		C9	2376	P -53 1212
43	9.7	8.3W	58 28.812	0.0014	07	-57 55 54.21	0.025	07	0.14	28.807	14	46.2	54.31	14	46.2	F2		CO	1725	P -57 1099
44	9.7	9.4W	58 30.371	-0.0010	07	-59 58 16.76	0.011	07	0.14	30.375	14	46.2	16.81	14	46.2	F5		CO	1685	P -59 740
45	9.9	9.6W	58 34.609	0.0009	13	-58 32 21.45	0.041	13	0.15	34.605	14	46.2	21.61	14	46.2	F8		CO	1727	P -58 810
46	10.5		58 38.004	-0.0004	13	-58 38 55.49	0.004	13	0.15	38.005	14	46.2	55.51	14	46.2	F8	O	CO	1728	P -58 811
47	10.2	9.0W	58 50.936	-0.0047	15	-54 53 10.95	0.052	15	0.24	50.993	15	38.1	11.56	18	38.1	G8	O	C9	2377	P -54 1164
48	9.6	9.6W	58 51.867	-0.0005	07	-53 4 1.12	0.010	07	0.18	51.873	15	38.1	1.24	18	38.1	A2	O	C9	2378	P -52 1052
49	9.2	9.4W	59 1.178	-0.0035	15	-55 39 12.75	-0.007	15	0.24	1.219	15	38.1	12.67	18	38.1	A0		C9	2379	P -55 1123
50	10.0		59 1.484	-0.0007	15	-53 49 55.42	0.104	15	0.24	1.493	15	38.1	56.65	18	38.1	A0	O	C9	2380	P -53 1214
51	9.6	9.2W	6 59 12.331	0.0010	07	-57 0 44.13	0.020	07	0.14	12.328	14	46.2	44.21	14	46.2	G0		CO	1729	P -56 1217
52		7.7T	59 15.697	-0.0002	12	-56 50 6.52	0.021	11	0.61	15.705	19	00.1	7.66	18	96.7	B8		GC	9260	P -56 1218
53	9.9	8.6W	59 36.060	0.0014	07	-59 53 21.18	-0.019	07	0.14	36.054	14	46.2	21.11	14	46.2	K0		CO	1690	P -59 742
54		5.0T	59 38.588	-0.0022	06	-51 19 49.64	0.019	06	0.27	38.675	12	10.4	50.47	12	05.4	M0		GC	9273	C*-51 2224
55	9.1E	8.5*	59 42.549	-0.0020	12	-51 2 36.58	0.023	12	0.64	42.642	31	02.4	37.69	28	02.4	A2		CZ	4107	P -50 1122
56		8.2T	59 45.608	-0.0001	11	-58 19 16.30	0.009	09	0.54	45.615	18	03.0	16.76	17	97.9	A0		GC	9277K	P -58 816
57	8.9	8.7W	59 48.998	-0.0038	06	-51 57 55.62	0.011	06	0.18	49.043	15	38.1	55.75	18	38.1	F5		C9	2384	P -51 1046
58	10.1E	9.5Z	59 52.930	-0.0002	12	-50 32 16.96	0.011	12	0.70	52.923	45	04.1	17.47	45	04.1	A0		CZ	4110	P -50 1123
59	10.2	10.0W	59 57.816	-0.0032	13	-52 14 9.75	0.050	13	0.23	57.853	15	38.1	10.35	18	38.1	F5	O	C9	2385	P -52 1057
60	10.5	8.3W	59 58.441	-0.0026	06	-54 36 46.26	0.009	06	0.18	58.473	15	38.1	46.36	18	38.1	K5		C9	2386	P -54 1168
61		7.3T	7 0 2.642	0.0000	11	-50 23 38.30	0.003	10	0.60	2.640	18	97.7	38.49	18	95.3	A0		GC	9285	C -50 2520
62	8.6	8.5W	0 14.683	0.0014	07	-57 7 8.13	-0.007	07	0.14	14.677	14	46.2	8.11	14	46.2	F5		CO	1735	P -57 1107
63		6.0T	0 18.632	-0.0072	06	-58 52 8.87	0.139	05	0.28	18.969	12	06.8	15.37	12	03.1	A5		GC	9291	P -58 820
64	9.7	8.6W	0 18.961	0.0009	07	-55 2 43.80	0.014	07	0.18	18.950	15	38.1	43.97	18	38.1	K0		C9	2389	P -54 1169
65	10.5	8.9W	0 31.738	-0.0012	08	-54 31 6.37	0.008	08	0.19	31.753	15	38.1	6.46	18	38.1	K2	O	C9	2390	P -54 1170
66	9.8E	9.5Z	0 41.875	-0.0022	12	-51 5 50.10	0.001	12	0.81	41.973	63	04.1	50.17	57	04.1	A0		CZ	4124	P -50 1128
67	9.2	8.3W	0 50.527	0.0031	06	-59 21 27.94	0.017	06	0.14	50.515	14	46.2	28.01	14	46.2	K2		CO	1737	P -59 752
68		7.7T	0 51.067	-0.0011	12	-50 21 22.89	-0.021	10	0.61	51.119	18	00.6	21.74	19	93.9	A0		GC	9301	C -50 2530
69		7.6T	0 51.055	0.0001	12	-56 32 51.70	0.020	11	0.60	51.047	21	01.7	52.76	19	98.0	F0		GC	9302	P -56 1224
70		7.6T	1 2.462	-0.0026	15	-53 59 6.37	0.039	11	0.66	2.581	22	04.3	8.34	19	99.4	G5		GC	9309	P -53 1226
71	9.5	9.4W	1 5.485	0.0018	06	-51 58 48.29	-0.012	06	0.18	5.463	15	38.1	48.15	18	38.1	F0	O	C9	2393	P -51 1055
72	9.1	9.4W	1 7.821	-0.0001	07	-53 38 56.89	0.014	07	0.18	7.823	15	38.1	57.05	18	38.1	A0		C9	2394	P -53 1227
73		7.1T	1 9.052	-0.0014	12	-57 14 28.70	0.026	13	0.61	9.117	18	05.1	29.88	18	05.5	F2		GC	9314	P -57 1110
74		8.0T	1 9.445	-0.0015	17	-57 31 42.29	0.021	18	0.79	9.511	21	07.1	43.19	21	06.8	G5		GC	9315	P -57 1111
75		8.1T	1 11.078	-0.0032	16	-55 21 59.06	0.021	14	0.66	11.218	19	10.1	59.98	21	06.9	K0		GC	9316	P -55 1132
76	8.7	7.2W	1 17.144	-0.0003	06	-59 23 11.53	-0.005	06	0.14	17.145	14	46.2	11.51	14	46.2	K5		CO	1741	P -59 753
77	10.2E	9.8H	1 21.938	0.0004	12	-51 23 21.56	-0.001	12	0.70	21.920	45	04.1	21.50	45	04.1	G		CZ	4134	P -51 1056
78	9.4	9.7W	1 22.197	-0.0038	07	-53 28 6.07	0.015	07	0.18	22.243	15	38.1	6.24	18	38.1	A		C9	2396	P -53 1229
79	9.3	8.6W	1 22.613	-0.0023	07	-55 4 36.07	0.009	07	0.18	22.640	15	38.1	36.17	18	38.1	G5		C9	2397	P -54 1172
80	10.5	9.6W	1 32.199	0.0034	09	-59 16 27.07	-0.016	09	0.14	32.186	14	46.2	27.01	14	46.2	G8	O	CO	1742	P -59 754
81	10.1		1 53.869	-0.0014	13	-59 48 56.52	-0.004	13	0.15	53.874	14	46.2	56.51	14	46.2	A2		CO	1743	P -59 755
82	9.4	9.5W	2 7.793	-0.0012	13	-56 56 44.58	0.007	13	0.15	7.797	14	46.2	44.61	14	46.2	A3		CO	1745	P -56 1231
83		6.6T	2 14.374	-0.0015	12	-52 21 0.61	0.006	11	0.62	14.447	19	00.6	0.93	18	98.3	B8		GC	9335	P -52 1066
84	9.4	8.3W	2 15.098	-0.0011	07	-55 25 44.39	0.007	07	0.18	15.110	15	38.1	44.47	18	38.1	K0		C9	2400	P -55 1136
85	9.7	8.8W	2 16.034	-0.0008	07	-57 39 13.70	0.001	07	0.14	16.037	14	46.2	13.71	14	46.2	K0		CO	1746	P -57 1115
86	8.8	8.5W	2 16.110	-0.0050	07	-55 34 3.99	0.097	07	0.18	16.169	15	38.1	4.07	18	38.1	F5		C9	2401	P -55 1137
87	9.9E	9.8Z	2 19.456	0.0006	12	-52 2 4.62	-0.005	12	0.81	19.428	63	04.1	4.42	57	04.1			CZ	4155	P -51 1060
88		7.6T	2 24.072	0.0006	11	-57 25 38.34	-0.020	10	0.56	24.044	18	02.4	37.37	18	00.1	K2		GC	9339K	P -57 1116
89	9.1	8.9W	2 27.949	-0.0026	07	-55 44 6.13	0.037	07	0.18	27.979	15	38.1	6.57	18	38.1	G5		C9	2402	P -55 1138
90		5.7T	2 29.351	0.0027	10	-59 6 10.36	0.009	07	0.46	29.204	17	01.0	10.83	15	96.2	B9		GC	9344K	P*-58 826
91		7.2T	2 30.897	0.0004	12	-55 52 23.68	0.018	10	0.58	30.873	21	01.4	24.65	19	97.2	K0		GC	9345	P -55 1139
92	9.9E	10.0H	2 33.659	0.0001	12	-50 22 44.34	-0.006	12	0.70	33.657	45	04.1	44.06	45	04.1	G5		CZ	4158	P -50 1136
93	10.2	9.8W	2 37.183	0.0015	11	-58 28 49.22	-0.002	11	0.15	37.177	14	46.2	49.21	14	46.2	F6	O	CO	1750	P -58 827
94	10.0E	9.3Z	2 37.493	-0.0022	12	-51 47 45.94	0.022	12	0.65	37.599	31	01.6	46.98	31	01.6			CZ	4164	P -51 1063
95		7.0T	2 39.014	0.0003	13	-50 35 7.34	-0.002	11	0.67	38.999	22	00.7	7.21	19	96.0	K0		GC	9350	C -50 2548
96		8.6T	2 56.200	-0.0001	15	-57 24 32.03	-0.016	12	0.72	56.208	22	02.2	31.22	21	98.0	K5		GC	9356	P -57 1120
97	10.5	9.9W	2 59.432	-0.0034	09	-58 45 46.90	0.028	09	0.14	59.445	14	46.2	47.01	14	46.2	G3	O	CO	1752	P -58 829
98	9.3	9.3W	2 59.909	0.0005	07	-57 33 11.74	0.018	07	0.14	59.907	14	46.2	11.81	14	46.2	A0		CO	1753	P -57 1122
99		7.5T	3 11.208	0.0036	13	-50 17 44.73	0.015	12	0.68	11.026	22	00.0	45.52	19	95.5	K0		GC	9362	C -50 2553
00	9.5E	9.6H	3 11.765	-0.0024	12	-51 9 12.35	0.012	12	0.81	11.876	63	04.1	12.90	57	04.1	A0		CZ	4168	P -51 1065

234900

EPOCH 1950 — ORIGINAL EPOCH — -50° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.7	9.7W	7 3 19.056	-0.0014	15	-53 39 42.27	0.016	15	0.24	19.073	15	38.1	42.45	18	38.1	A1	O	C9	2404	P -53 1235
2		5.3H	3 22.412	0.0002	03	-56 40 23.73	-0.002	03	0.13	22.405	06	16.2	23.66	06	16.1	AO		F4	272	P -56 1232
3	9.1	9.0W	3 24.305	-0.0005	07	-56 47 9.60	-0.023	07	0.14	24.307	14	46.2	9.51	14	46.2	A5		C0	1755	P -56 1233
4	8.1	8.3W	3 45.881	-0.0011	06	-58 45 11.27	0.035	06	0.14	45.885	14	46.2	11.41	14	46.2	AO		C0	1756	P -58 835
5	9.6	9.4W	3 51.630	-0.0073	11	-57 6 44.20	-0.024	11	0.15	51.657	14	46.2	44.11	14	46.2	F8		C0	1757	P -57 1128
6	10.0	9.9W	3 54.132	-0.0059	15	-52 50 40.10	0.012	15	0.24	54.203	15	38.1	40.24	18	38.1	A5	O	C9	2405	P -52 1072
7		6.5T	4 0.191	-0.0017	10	-50 16 59.73	0.032	08	0.41	0.260	15	08.7	1.11	15	06.1	K0	GC	9381	P*-50 2561	
8	10.3	9.7W	4 2.846	0.0184	13	-59 12 25.48	0.033	13	0.15	2.776	14	46.2	25.61	14	46.2	G5	O	C0	1759	P -59 761
9	9.3	7.7W	4 11.840	-0.0002	06	-52 31 55.19	0.013	06	0.18	11.843	15	38.1	55.34	18	38.1	K5		C9	2406	P -52 1074
10	10.2		4 21.459	-0.0013	11	-59 52 5.42	0.023	11	0.15	21.464	14	46.2	5.51	14	46.2	F0	O	C0	1760	P -59 763
11	8.8E	9.0H	4 21.595	-0.0006	12	-51 10 22.34	0.014	12	0.65	21.625	31	01.6	23.01	31	01.6	F5		CZ	4188	P -51 1069
12	10.1E	9.0Z	4 22.559	0.0004	12	-50 13 46.94	-0.036	12	0.70	22.543	45	04.1	45.28	45	04.1			CZ	4186	P -50 1149
13		7.9T	4 24.356	-0.0007	16	-54 2 31.40	0.024	13	0.71	24.388	22	05.0	32.52	21	03.0	B9		GC	9392	P -53 1240
14	9.8	9.7W	4 30.297	-0.0014	07	-52 29 21.76	-0.018	07	0.18	30.313	15	38.1	21.55	18	38.1	G0		C9	2408	P -52 1075
15	10.1E	8.9W	4 34.976	-0.0025	12	-50 43 43.30	0.013	12	0.70	35.001	45	04.1	43.69	45	04.1	K0		CZ	4191	P -50 1150
16	9.3	7.8W	4 35.268	0.0000	07	-57 16 13.24	0.018	07	0.14	35.288	14	46.2	13.31	14	46.2	K2		C0	1761	P -57 1134
17	9.7	8.6W	4 36.672	-0.0035	13	-59 18 49.04	-0.007	13	0.15	36.685	14	46.2	49.01	14	46.2	K0		C0	1762	P -59 766
18	9.7	9.3W	4 40.059	0.0014	15	-53 17 49.89	0.072	15	0.24	40.043	15	38.1	50.74	18	38.1	F8	O	C9	2409	P -53 1243
19	9.2	9.0W	4 48.090	0.0005	07	-56 8 40.31	0.022	07	0.14	48.088	14	46.2	40.40	14	46.2	A5		C0	1764	P -56 1244
20	10.1E	9.0Z	4 57.929	-0.0005	12	-51 29 32.63	0.014	12	0.81	57.953	63	04.1	33.26	57	04.1			CZ	4197	P -51 1072
21	9.6E	9.0H	4 59.538	-0.0022	12	-51 31 57.83	0.021	12	0.81	59.639	63	04.1	58.79	57	04.1	A		CZ	4199	P -51 1073
22	9.4	9.6W	5 6.224	0.0018	11	-57 55 24.40	0.001	11	0.15	6.217	14	46.2	24.41	14	46.2	AO		C0	1765	P -57 1137
23	10.4	9.9W	5 7.996	0.0056	11	-59 44 49.40	-0.050	11	0.15	7.974	14	46.2	49.21	14	46.2	F8	O	C0	1766	P -59 768
24	9.6	9.9W	5 24.032	0.0036	11	-57 10 5.14	-0.009	11	0.15	24.018	14	46.2	5.11	14	46.2	AO		C0	1767	P -57 1138
25	10.3		5 24.841	0.0009	13	-58 24 12.37	-0.015	13	0.15	24.837	14	46.2	12.31	14	46.2	F8	O	C0	1768	P -58 841
26	9.5	8.6W	5 25.574	0.0001	07	-53 49 11.55	0.017	07	0.18	25.573	15	38.1	11.75	18	38.1	K0		C9	2411	P -53 1246
27	8.6	8.8W	5 26.337	-0.0005	07	-52 31 47.21	0.019	07	0.18	26.343	15	38.1	47.44	18	38.1	AO		C9	2412	P -52 1079
28	9.8E	8.6H	5 31.972	-0.0021	12	-51 13 27.37	0.036	12	0.81	32.069	63	04.1	29.02	57	04.1	K0		CZ	4210	P -51 1076
29	9.0	8.7W	5 32.264	-0.0035	13	-56 33 58.25	-0.038	13	0.15	32.277	14	46.2	58.11	14	46.2	F8		C0	1769	P -56 1249
30		7.7T	5 38.479	0.0001	13	-57 41 57.63	-0.008	11	0.59	38.476	19	04.4	57.23	18	00.4	A3		GC	9426	P -57 1140
31		8.4T	5 40.898	-0.0011	14	-50 32 59.63	0.033	12	0.69	40.952	17	01.1	1.35	18	97.1	A2		GC	9427	C -50 2577
32	10.4		5 43.185	-0.0001	09	-59 1 28.27	-0.017	09	0.14	43.185	14	46.2	28.21	14	46.2	A1	O	C0	1772	P -58 847
33	9.0	8.3W	5 43.275	-0.0031	07	-54 55 39.34	-0.006	07	0.18	43.313	15	38.1	39.26	18	38.1	K0		C9	2413	P -54 1190
34	9.0	9.1W	5 46.048	0.0020	07	-52 23 50.55	0.025	07	0.18	46.023	15	38.1	50.85	18	38.1	A2		C9	2414	P -52 1081
35	9.7E	9.6H	5 47.542	-0.0030	12	-51 33 40.48	0.030	12	0.81	47.679	63	04.1	41.85	57	04.1	F		CZ	4215	P -51 1077
36		8.1T	5 50.032	0.0007	14	-59 55 3.09	-0.022	10	0.56	50.000	18	08.3	2.10	17	04.5	A2		GC	9429	P -59 770
37	9.1E	9.4H	5 53.816	-0.0024	12	-51 33 34.27	0.020	12	0.81	53.925	63	04.1	35.19	57	04.1	A3		CZ	4218	P -51 1078
38	9.5E	9.1Z	5 56.963	-0.0056	12	-51 3 20.37	0.024	12	0.70	57.221	45	04.1	21.47	45	04.1			CZ	4219	P -50 1156
39			5 58.097	0.0027	06	-58 18 6.02	-0.002	06	0.14	58.087	14	46.2	6.01	14	46.2	MC		C0	1774V	P*-58 848
40		6.0T	6 1.357	-0.0014	06	-51 53 20.01	0.057	06	0.27	1.415	09	07.7	22.46	09	07.1	G5		GC	9435	C -51 2306
41	9.8	9.3W	6 2.735	-0.0046	07	-55 41 35.61	0.114	07	0.18	2.789	15	38.1	36.97	18	38.1	G5		C9	2416	P -55 1156
42	9.5	8.1W	6 12.409	0.0005	06	-54 29 57.35	0.009	06	0.18	12.403	15	38.1	57.45	18	38.1	K5		C9	2417	P -54 1193
43		6.5T	6 16.497	-0.0042	11	-52 7 29.57	0.062	09	0.58	16.711	22	98.7	33.22	19	91.3	K0		GC	9442	P*-52 1084
44		6.5T	6 32.008	-0.0001	12	-59 38 11.24	0.003	09	0.51	32.012	18	08.6	11.41	18	00.7	B5		GC	9450	P -59 771
45	9.4	9.3W	6 32.856	-0.0033	13	-56 15 20.37	0.007	13	0.15	32.868	14	46.2	20.40	14	46.2	A3		C0	1776	P -56 1251
46	9.9		6 36.761	-0.0002	13	-52 11 21.11	0.028	13	0.23	36.763	15	38.1	21.45	18	38.1	AO	O	C9	2419	P -52 1085
47	9.9E	9.2H	6 50.487	-0.0085	12	-51 52 39.93	0.108	12	0.81	50.877	63	04.1	44.90	57	04.1	F8		CZ	4228	P -51 1084
48	10.1	8.9W	6 52.252	0.0017	06	-59 27 57.27	-0.015	06	0.14	52.246	14	46.2	57.21	14	46.2	K0		C0	1778	P -59 773
49	9.7	8.8W	6 59.307	-0.0002	07	-56 35 0.90	0.003	07	0.14	59.307	14	46.2	0.91	14	46.2	G5		C0	1779	P -56 1256
50		7.8T	7 5.160	0.0005	18	-50 1 6.57	-0.021	18	0.88	5.135	19	03.3	5.61	19	03.1	F5		GC	9460	C -49 2637
51	9.8	9.7W	7 8.046	-0.0005	07	-56 52 12.86	0.013	07	0.14	8.047	14	46.2	12.91	14	46.2	F		C0	1780	P*-56 1257
52		6.9T	7 12.562	-0.0020	12	-57 15 2.42	0.022	10	0.51	12.660	17	08.0	3.49	18	02.4	F0		GC	9464	P -57 1145
53	10.4		7 14.911	-0.0035	13	-59 33 54.96	0.012	13	0.15	14.924	14	46.2	55.01	14	46.2	AO	O	C0	1782	P -59 776
54	9.7	8.3W	7 20.366	-0.0006	07	-54 24 5.69	0.005	07	0.18	20.373	15	38.1	5.75	18	38.1	K5		C9	2420	P -54 1198
55	10.0		7 25.922	-0.0041	15	-55 23 8.05	0.061	15	0.24	25.970	15	38.1	8.78	18	38.1	A		C9	2422	P -55 1164
56	10.6		7 36.734	0.0022	09	-59 23 28.91	-0.000	09	0.14	36.725	14	46.2	28.91	14	46.2	A3	O	C0	1783	P -59 777
57		7.9T	7 37.238	0.0024	12	-58 17 28.42	0.004	10	0.55	37.122	19	04.2	28.61	18	00.9	AO		GC	9471	P -58 852
58	9.6	8.4W	7 37.511	0.0006	07	-52 4 25.81	0.053	07	0.18	37.503	15	38.1	26.45	18	38.1	K0		C9	2423	P -51 1091
59	9.9E	9.6Z	7 39.094	-0.0009	12	-50 52 54.54	0.005	12	0.71	39.136	45	03.6	54.77	45	03.6			CZ	4236	P -50 1170
60	9.3	9.0W	7 42.219	0.0005	07	-53 49 42.58	0.023	07	0.18	42.213	15	38.1	42.85	18	38.1	A5		C9	2424	P -53 1256
61	9.2	8.5W	7 46.836	0.0002	06	-52 17 14.04	0.009	06	0.18	46.833	15	38.1	14.15	18	38.1	G0		C9	2425	P -52 1089
62	9.3	9.2W	7 47.413	-0.0000	15	-52 34 44.16	0.007	15	0.24	47.413	15	38.1	44.24	18	38.1	F8		C9	2426	P -52 1090
63	8.9	8.9W	8 3.651	-0.0018	11	-56 59 25.35	-0.011	11	0.15	3.658	14	46.2	25.31	14	46.2	A5		C0	1785	P -56 1260
64	8.8E	8.2H	8 6.774	0.0006	12	-51 44 30.66	-0.066	12	0.66	6.745	31	01.6	27.49	31	01.6	F8		CZ	4246	P -51 1095
65	10.1E	9.8Z	8 9.344	-0.0014	12	-50 58 4.23	-0.018	12	0.71	9.409	45	03.6	3.38	45	03.6			CZ	4247	P -50 1172
66	8.6	8.9W	8 13.697	-0.0005	07	-53 27 45.32	0.027	07	0.18	13.703	15	38.1	45.64	18	38.1	AO		C9	2427	P -53 1258
67	9.3	9.4W	8 14.519	-0.0011	13	-52 45 43.47	0.023	13	0.23	14.533	15	38.1	43.74	18	38.1	A5		C9	2428	P -52 1092
68		8.0T	8 15.730	-0.0026	11	-56 16 39.57	0.010	10	0.57	15.868	21	00.5	40.13	19	96.1	F		GC	9491	P -56 1261
69	10.0	9.5W	8 17.779	-0.0044	07	-59 0 27.10	0.056	07	0.14	17.795	14	46.2	27.31	14	46.2	G5		C0	1787	P -58 855
70	10.4	9.4W	8 17.910	0.0012	13	-59 17 30.09	-0.020	13	0.15	17.906	14	46.2	30.01	14	46.2	G3	O	C0	1788	P -59 783
71		9.0T	8 18.589	-0.0017	13	-56 17 10.11	-0.012	10	0.60	18.675	21	03.1	9.50	19	97.8	F0		GC	9494	P -56 1262
72	8.7E	8.4H	8 21.515	-0.0010	12	-50 15 13.71	0.010	12	0.64	21.565	31	02.1	14.18	28	02.1	AO		CZ	4251	P -50 1173
73	10.0	9.7W	8 23.538	-0.0042	11	-59 56 4.66	0.011	11	0.15	23.554	14	46.2	4.71	14	46.2	G0	O	C0	1735	P -59 784
74	9.5	9.2W	8 30.042	-0.0041	11	-57 24 53.53	0.072	11	0.15	30.058	14	46.2	53.81	14	46.2	F8		C0	1791	P -57 1150
75	9.9	9.6W	8 31.742	-0.0040	15	-55 49 40.72	0.021	15	0.24	31.789	15	38.1	40.97	18	38.1	F8	O	C9	2429	P -55 1170
76	9.8E	8.5H	8 36.312	-0.0020	12	-50 20 40.15	0.009	12	0.71	38.407	45	03.6	40.56	45	03.6	K0		CZ	4255	P -50 1176
77	9.5	9.6W	8 42.576	-0.0002	06	-57 30 18.61	0.001	06	0.14	42.577	14	46.2	18.61	14	46.2	AO		C0	1792	P -57 1152
78	10.0	8.6W	8 44.741	-0.0016	07	-55 38 34.47	0.009	07	0.18	44.759	15	38.1	34.57	18	38.1	K0		C9	2430	P -55 1171
79		8.4T	8 51.118	-0.0025	13	-56 17 19.90	0.000	11	0.61	51.238	21	04.4	19.52	19	01.0	F0		GC	9506K	P*-56 1265
80	8.5	8.8W	8 53.179	0.0014	07	-53 26 38.19	0.005	07	0.18	53.163	15	38.1	38.24	18	38.1	AO		C9	2431	P -53 1260
81	10.0E	10.0H	8 55.516	-0.0014	12	-50 53 41.92	0.010	12	0.64	55.583	31	02.1	42.40	28	02.1	AO		CZ	4260	P -50 1177
82	9.8	9.8W	8 59.490	-0.0027	07	-53 1 23.51	-0.070	07	0.18	59.523	15	38.1	24.34	18	38.1	F2	O	C9	2432	P -52 1096
83	9.4	8.9W	9 2.904	0.0010	07	-54 58 58.35	-0.032	07	0.18	2.893	15	38.1	57.96	18	38.1	G0		C9	2433	P -54 1201
84	9.6	8.9W	9 7.307	-0.0013	07	-52 53 6.07	0.015	07	0.18	7.323	15	38.1	6.24	18	38.1	K0		C9	2434	P -52 1097
85	10.1E	9.8Z	9 12.311	-0.0011	12	-51 22 39.07	0.014	12	0.81	12.362	63	04.1	39.70	57	04.1			CZ	4268	P -51 1098
86	9.7	9.2W	9 14.309	0.0007	06	-57 41 6.65	0.067	06	0.14	14.307	14	46.2	6.91	14	46.2	G0		C0	1794	P -57 1154
87	9.3	9.0W	9 14.333	0.0036	07	-55 4 52.53	0.020	07	0.18	14.290	15	38.1	52.77	18	38.1	F5		C9	2435	P -54 1202
88	10.0	8.8W	9 19.320	0.0038	11	-59 17 43.39	-0.047	11	0.15	19.305	14	46.2	43.21	14	46.2	K0		C0	1795	P -59 787
89	9.3	8.3W	9 22.034	0.0022	06	-58 54 27.74	0.018	06	0.14	22.025	14	46.2	27.81	14	46.2	G5		C0	1796	P -58 860
90		7.8T	9 23.073	0.0022	12	-55 30 18.64	0.003	11	0.60	22.959	21	02.4	18.82	19	98.8			GC	9519K	P -55 1174
91		7.7T	9 23.579	-0.0005	11	-55 30 14.81	-0.038	10	0.60	23.605	22	99.3	12.72	19	94.3	K0		GC	9520K	P -55 1174
92	11.0E	9.7Z	9 26.782	-0.0009	12	-51 17 15.94	0.006	12	0.81	26.824	63	04.1	16.20	57	04.1			CZ	4270	P -51 1099
93	11.4E	10.0H	9 27.160	-0.0015	12	-51 17 8.97	0.034	12	0.81	27.229	63	04.1	10.53	57	04.1			CZ	4271	P -51 1099
94	10.6	9.8W	9 32.324	-0.0029	13	-59 14 51.02	-0.004	13	0.15	32.335	14	46.2	51.01	14	46.2	G5	O	C0	1797	P -59 788
95	10.6		9 35.169	-0.0016	11	-58 40 3.84	-0.008	11	0.15	35.175	14	46.2	3.81	14	46.2	G	O	C0	1798	P -58 861
96	10.1	9.9W	9 44.739	0.0008	09	-55 39 27.07	-0.025	09	0.20	44.729	15	38.1	26.77	18	38.1	F5	O	C9	2439	P -55 1179
97	9.0	9.4W	9 47.507	-0.0002	07	-56 40 9.63	0.020	07	0.14	47.507	14	46.2	9.71	14	46.2	AO		C0	1799	P -56 1270
98	9.9	10.0W	9 57.580	-0.0019	07	-56 36 53.06	-0.013	07	0.14	57.588	14	46.2	53.01	14	46.2	A		C0	1800	P -56 1271
99	9.3	8.2W	10 1.714	0.0050	07	-58 46 21.68	0.034	07	0.14	1.695	14	46.2	21.81	14	46.2	K0		C0	1801	P -58 862
00	10.3		10 22.552	0.0066	13	-58 18 59.73	0.020	13	0.15	22.527	14	46.2	59.81	14	46.2	AO	O	C0	1802	P -58 864

235000 — -50° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.8E	8.5H	7 10 26.487	-0.0040	12	-51 12 49.86	0.061	12	0.81	26.671	63	04.1	52.66	57	04.1	F8	CZ	4284	P -51 1105
2	9.0	8.9W	10 39.456	-0.0023	06	-51 56 6.01	0.020	06	0.18	39.483	15	38.1	6.25	18	38.1	F5	C9	2443	P -51 1106
3	9.1	9.0W	10 42.809	0.0005	07	-54 11 31.91	0.012	07	0.18	42.803	15	38.1	32.05	18	38.1	A5	C9	2444	P -54 1208
4	10.7	9.5W	10 55.840	-0.0044	09	-53 8 52.92	0.027	09	0.20	55.893	15	38.1	53.24	18	38.1	G5	C9	2445	P -53 1275
5		6.6T	10 56.566	-0.0019	12	-56 4 14.98	0.038	08	0.55	56.673	19	01.0	17.20	18	92.2	K0	GC	9565	P -55 1185
6	10.1	9.2W	10 56.937	-0.0005	09	-53 7 51.79	-0.012	09	0.20	56.943	15	38.1	51.64	18	38.1	K0	C9	2447	P -53 1276
7	8.6	8.7W	11 1.607	0.0005	07	-58 45 55.37	0.009	07	0.14	1.605	14	46.2	55.41	14	46.2	B8	CD	1804	P -58 867
8		8.0T	11 12.535	0.0001	18	-50 14 4.73	-0.026	20	0.89	12.529	24	05.2	3.58	24	04.9	M8	GC	9571	C -50 2634
9		8.1T	11 25.717	0.0010	17	-59 45 13.49	0.004	12	0.65	25.673	19	09.2	13.69	18	06.5	B8	GC	9578	P -59 793
10	8.5	8.3W	11 27.981	-0.0016	07	-58 19 5.65	0.042	07	0.14	27.987	14	46.2	5.81	14	46.2	F0	CD	1806	P -58 869
11	8.6	8.9W	11 29.034	0.0017	07	-57 27 37.65	0.015	07	0.14	29.028	14	46.2	37.71	14	46.2	B9	CD	1807	P -57 1163
12		7.2T	11 30.582	-0.0014	13	-51 7 32.05	0.009	11	0.65	30.637	17	99.8	32.51	18	96.6	B5	GC	9580	C -51 2360
13	10.1	9.0W	11 31.057	-0.0005	09	-52 35 42.15	-0.009	09	0.20	31.063	15	38.1	42.04	18	38.1	K2	C9	2448	P -52 1113
14	9.0	9.0W	11 38.318	-0.0012	07	-54 29 51.42	0.011	07	0.18	38.333	15	38.1	51.55	18	38.1	A0	C9	2450	P -54 1213
15	9.7	9.4W	11 44.649	0.0032	07	-58 8 58.87	0.037	07	0.14	44.637	14	46.2	59.01	14	46.2	F5	CD	1809	P -58 870
16		7.8T	11 45.516	0.0059	12	-53 48 28.36	-0.020	10	0.59	45.238	19	02.8	27.32	18	98.3	F8	GC	9593	P -53 1280
17		6.8T	11 52.139	0.0001	12	-57 24 15.48	-0.030	10	0.57	52.131	19	03.6	14.01	18	00.1	A0	GC	9599	P -57 1165
18	9.9E	8.5H	11 55.343	-0.0014	12	-51 10 14.50	0.033	12	0.81	55.408	63	04.1	16.01	57	04.1	G5	CZ	4313	P -51 1110
19	10.1	9.9W	12 4.211	-0.0015	11	-58 24 3.00	0.029	11	0.15	4.217	14	46.2	3.11	14	46.2	F1	CD	1812	P -58 871
20	10.0	9.1W	12 20.563	-0.0032	07	-55 29 2.96	0.026	07	0.18	20.600	15	38.1	3.27	18	38.1	G5	C9	2452	P -55 1193
21	9.9E	9.1H	12 28.315	-0.0032	12	-51 44 17.72	0.034	12	0.81	28.462	63	04.1	19.26	57	04.1	K0	CZ	4319	P -51 1114
22		6.8T	12 32.251	-0.0023	10	-53 34 48.89	0.016	08	0.51	32.370	19	98.7	49.79	18	93.2	A0	GC	9613	P -53 1284
23	10.2E	9.4H	12 33.015	0.0095	12	-51 13 13.11	-0.009	12	0.81	32.579	63	04.1	12.69	57	04.1	G0	CZ	4323	P -51 1115
24	8.8	8.8W	12 35.750	-0.0037	07	-59 58 17.45	0.015	07	0.14	35.765	14	46.2	17.51	14	46.2	A5	CD	1813	P -59 797
25	9.4	8.8W	12 38.548	0.0021	06	-54 48 46.90	-0.037	06	0.18	38.523	15	38.1	46.46	18	38.1	G5	C9	2454	P -54 1217
26		6.9T	12 41.184	-0.0005	14	-50 23 3.58	0.017	12	0.71	41.207	19	00.3	4.45	18	97.6	B9	GC	9620	C#-50 2644
27	9.8	9.5W	12 45.902	-0.0012	07	-58 3 23.12	-0.108	07	0.14	45.907	14	46.2	22.71	14	46.2	G	CD	1814	P -57 1170
28	9.8E	9.4H	12 47.342	-0.0164	12	-51 23 5.40	0.246	12	0.81	48.094	63	04.1	16.68	57	04.1	G5	CZ	4330	P -51 1117
29	9.6		12 59.744	0.0001	15	-53 56 46.11	0.029	15	0.24	59.743	15	38.1	46.45	18	38.1	A0	C9	2456	P -53 1289
30	9.0	7.9W	13 8.185	0.0010	06	-54 42 47.78	0.032	06	0.18	8.173	15	38.1	48.16	18	38.1	K0	C9	2457	P -54 1221
31	10.2E	10.2H	13 18.950	-0.0030	12	-51 31 24.22	0.020	12	0.70	19.087	45	04.1	25.14	45	04.1	F5	CZ	4337	P -51 1120
32	9.1	9.6W	13 22.045	-0.0024	09	-52 6 49.33	-0.007	09	0.20	22.073	15	38.1	49.25	18	38.1	B9	C9	2458	P -51 1121
33	10.0E	9.5Z	13 26.346	-0.0047	12	-50 46 26.59	0.080	12	0.66	26.564	36	03.8	30.28	36	03.8		CZ	4339	P -50 1195
34	8.8	9.0W	13 39.858	-0.0021	07	-53 21 34.43	0.001	07	0.18	39.883	15	38.1	34.44	18	38.1	A0	C9	2459	P -53 1292
35	8.6E	9.4H	13 48.090	-0.0010	12	-50 22 47.84	0.007	12	0.71	48.138	45	03.6	48.15	45	03.6	A0	CZ	4343	P -50 1199
36	9.9	8.9W	13 51.236	0.0002	06	-59 3 44.97	0.010	06	0.14	51.235	14	46.2	45.01	14	46.2	K0	CD	1817	P -58 883
37	9.6	9.6W	13 57.324	0.0018	07	-54 50 9.41	0.038	07	0.18	57.303	15	38.1	9.86	18	38.1	F0	C9	2460	P -54 1225
38	9.6		13 57.418	0.0030	15	-53 20 35.47	0.031	15	0.24	57.383	15	38.1	35.84	18	38.1	A2	C9	2461	P -53 1295
39	9.8	9.2W	14 3.067	0.0031	07	-59 10 43.25	-0.011	07	0.14	3.055	14	46.2	43.21	14	46.2	G0	CD	1818	P -59 801
40		6.0T	14 9.972	-0.0068	13	-52 24 42.87	0.102	11	0.64	10.294	21	02.5	48.16	18	98.2	G5	GC	9664	P -52 1123
41	10.2	9.8W	14 15.652	0.0063	09	-57 24 0.32	0.077	09	0.14	15.628	14	46.2	0.61	14	46.2	G0	CD	1819	P -57 1176
42		7.5T	14 20.870	-0.0013	15	-50 24 33.99	0.008	12	0.69	20.928	24	03.9	34.40	22	01.5	K0	GC	9673	C -50 2660
43	10.4		14 21.204	-0.0013	13	-56 13 9.09	-0.024	13	0.15	21.208	14	46.2	9.00	14	46.2	A2	CD	1820	P -56 1295
44	10.0	9.0W	14 27.519	-0.0017	07	-55 36 41.11	0.005	07	0.18	27.539	15	38.1	41.17	18	38.1	K2	C9	2464	P -55 1201
45	10.0E	10.5H	14 28.447	-0.0065	12	-51 50 15.55	0.013	12	0.81	28.470	63	04.1	16.17	57	04.1	A0	CZ	4357	P -51 1127
46	10.0	9.6W	14 29.026	-0.0020	15	-55 43 48.36	-0.007	15	0.24	29.049	15	38.1	48.27	18	38.1	G5	C9	2465	P -55 1202
47	10.0	9.6W	14 32.055	0.0002	07	-53 22 26.92	-0.040	07	0.18	32.053	15	38.1	26.44	18	38.1	F8	C9	2467	P -53 1299
48	10.3	9.8W	14 33.566	0.0004	09	-59 54 32.16	0.012	09	0.14	33.564	14	46.2	32.21	14	46.2		CD	1777	P -59 803
49	9.8		14 37.350	-0.0044	15	-53 26 16.81	0.037	15	0.24	37.403	15	38.1	17.25	18	38.1	F0	C9	2468	P -53 1300
50	7.9	8.2W	14 38.533	-0.0008	07	-53 30 44.44	0.026	07	0.18	38.543	15	38.1	44.75	18	38.1	A0	C9	2469	P -53 1301
51		7.0T	7 14 38.687	-0.0037	09	-58 27 11.34	0.003	08	0.48	38.876	18	00.7	11.48	17	99.2	A5	GC	9680	P -58 885
52	10.3	10.0W	14 38.929	-0.0043	13	-59 27 23.47	0.036	13	0.15	38.945	14	46.2	23.61	14	46.2	A8	CD	1823	P -59 804
53	10.3	9.9W	14 44.470	-0.0019	09	-54 46 39.14	-0.006	09	0.20	44.493	15	38.1	39.06	18	38.1	K0	C9	2470	P -54 1229
54	9.9	8.4W	14 46.231	-0.0035	07	-54 23 58.54	0.018	07	0.18	46.273	15	38.1	58.75	18	38.1	K5	C9	2471	P -54 1228
55	10.1	9.8W	14 48.929	-0.0029	09	-51 55 5.91	0.028	09	0.20	48.963	15	38.1	6.25	18	38.1	F8	C9	2472	P -51 1130
56		7.3T	14 50.040	-0.0023	13	-58 42 57.45	-0.003	10	0.58	50.150	19	05.5	57.29	18	01.6	K5	GC	9687	P -58 887
57		7.5T	14 56.164	0.0014	13	-54 52 18.71	0.033	12	0.63	56.097	21	02.9	20.36	19	99.8	K0	GC	9691	P -54 1231
58	8.6	7.6W	14 56.439	-0.0076	07	-55 38 38.66	0.051	07	0.18	56.529	15	38.1	39.27	18	38.1	K0	C9	2474	P -55 1204
59		7.3T	15 3.409	-0.0040	10	-53 57 6.46	0.009	11	0.57	3.612	21	99.4	6.93	19	97.1	K0	GC	9697K	P -53 1302
60		7.6T	15 9.825	-0.0015	13	-54 8 9.70	0.028	11	0.62	9.897	18	02.4	11.14	19	98.4	A0	GC	9700	P -54 1234
61	10.0E	9.6Z	15 13.062	0.0003	12	-51 31 1.62	0.002	12	0.81	13.048	63	04.1	1.71	57	04.1		CZ	4376	P -51 1134
62	9.4	8.2W	15 15.405	0.0002	07	-53 13 47.86	0.032	07	0.18	15.403	15	38.1	48.24	18	38.1	K0	C9	2478	P -53 1303
63	9.2	8.8W	15 23.418	0.0015	07	-56 0 58.15	0.002	07	0.18	23.399	15	38.1	58.17	18	38.1	F5	C9	2479	P -55 1205
64	10.3	9.2W	15 26.672	0.0014	11	-57 33 0.12	-0.029	11	0.15	26.667	14	46.2	0.01	14	46.2	K0	CD	1826	P -57 1179
65	9.6	9.2W	15 33.592	-0.0009	07	-53 20 46.76	0.007	07	0.18	33.603	15	38.1	46.84	18	38.1	A2	C9	2481	P -53 1304
66	9.8E	9.4H	15 37.327	-0.0001	12	-51 30 28.89	-0.008	12	0.65	37.331	31	01.6	28.49	31	01.6	F2	CZ	4383	P -51 1136
67	8.9	8.6W	15 38.902	-0.0069	07	-55 50 49.16	0.061	07	0.14	38.928	14	46.2	49.40	14	46.2	F5	CD	1827	P -55 1208
68	9.7E	9.1H	15 39.029	-0.0024	12	-50 12 41.69	-0.006	12	0.71	39.142	45	03.6	41.40	45	03.6	K0	CZ	4381	P -50 1205
69	10.4	8.6W	15 41.062	-0.0009	07	-53 53 22.52	-0.014	07	0.18	41.073	15	38.1	22.35	18	38.1	MA	C9	2483	P -53 1306
70	8.9E	9.0H	15 42.898	0.0010	12	-50 8 20.43	0.005	12	0.71	42.854	45	03.6	20.65	45	03.6	F0	CZ	4385	P -50 1206
71	9.4	8.4W	15 56.332	0.0008	07	-56 20 12.11	0.023	07	0.14	56.328	14	46.2	12.20	14	46.2	K0	CD	1828	P -56 1297
72	9.6	8.4W	16 1.541	0.0036	06	-57 55 14.32	0.050	06	0.14	1.527	14	46.2	14.51	14	46.2	K0	CD	1830	P -57 1180
73	10.3	9.7W	16 23.621	-0.0011	11	-59 19 10.35	0.041	11	0.15	23.625	14	46.2	10.51	14	46.2	F5	CD	1831	P -59 807
74	9.5	9.7W	16 28.374	-0.0025	13	-59 32 31.57	0.010	13	0.15	28.384	14	46.2	31.61	14	46.2	A2	CD	1832	P -59 808
75	9.5E	9.6H	16 28.403	-0.0010	12	-50 56 58.17	0.017	12	0.71	28.450	45	03.6	58.96	45	03.6	A0	CZ	4396	P -50 1211
76	8.8	7.8W	16 34.449	0.0057	06	-57 48 5.56	-0.039	06	0.14	34.427	14	46.2	5.41	14	46.2	K0	CD	1833	P -57 1182
77	9.6	9.2W	16 37.349	0.0005	07	-54 24 22.42	-0.039	07	0.18	37.343	15	38.1	21.95	18	38.1	F8	C9	2488	P -54 1242
78	9.7	9.9W	16 38.149	0.0058	13	-58 6 34.79	0.005	13	0.15	38.127	14	46.2	34.81	14	46.2	A0	CD	1834	P -57 1183
79		7.3T	16 51.347	-0.0019	12	-59 10 13.41	0.029	09	0.52	51.439	19	04.5	14.82	17	00.8	A3	GC	9744	P -59 809
80		7.6T	16 56.329	0.0029	10	-50 57 22.46	-0.177	07	0.40	56.208	15	08.4	14.58	15	05.6	G0	GC	9748	C -50 2680
81		8.0T	16 57.078	-0.0015	16	-51 56 25.60	-0.009	16	0.79	57.147	24	03.0	25.17	22	01.8	A0	GC	9749	C -51 2422
82	9.8	9.4W	17 5.006	0.0002	07	-58 54 15.38	0.008	07	0.14	5.005	14	46.2	15.41	14	46.2	F5	CD	1836	P -58 893
83	10.5		17 16.099	-0.0037	12	-53 9 39.47	0.006	12	0.22	16.143	15	38.1	39.54	18	38.1	A2	C9	2491	P -53 1312
84	9.8	9.4W	17 19.775	0.0019	07	-54 25 34.12	-0.022	07	0.18	19.753	15	38.1	33.85	18	38.1	G0	C9	2492	P -54 1244
85	10.3		17 22.157	-0.0031	14	-51 55 6.51	-0.014	14	0.24	22.193	15	38.1	6.35	18	38.1	A3	C9	2493	P -51 1146
86	9.9	9.9W	17 27.035	-0.0001	07	-58 48 16.27	-0.017	07	0.14	27.035	14	46.2	16.21	14	46.2	A0	CD	1837	P -58 894
87		7.9T	17 31.425	-0.0012	12	-57 15 31.78	-0.005	10	0.57	31.486	19	04.7	31.56	18	01.1	G0	GC	9764	P -57 1187
88	7.4	7.9W	17 42.775	0.0004	07	-55 11 16.06	0.035	07	0.18	42.770	15	38.1	16.47	18	38.1	B9	C9	2494	P -55 1209
89	8.7	8.6W	17 44.888	-0.0015	07	-59 38 30.88	-0.046	07	0.14	44.894	14	46.2	30.71	14	46.2	A5	CD	1839	P -59 811
90		7.8T	17 47.009	-0.0037	17	-52 26 45.99	-0.062	13	0.73	47.174	21	05.1	43.01	19	01.8	F5	GC	9770K	P#-52 1144
91	9.3	9.1W	17 47.329	-0.0003	07	-54 57 26.85	0.077	07	0.18	47.333	15	38.1	27.76	18	38.1	F2	C9	2497	P -54 1246
92	9.8	9.0W	17 50.954	-0.0009	13	-56 33 11.10	0.132	13	0.15	50.957	14	46.2	11.61	14	46.2	K0	CD	1840	P -56 1305
93	9.4E	8.9H	17 52.418	0.0013	12	-50 27 2.73	-0.015	12	0.64	52.354	31	02.1	2.00	28	02.1	G0	CZ	4418	P -50 1215
94	10.6	9.1W	17 52.980	-0.0044	09	-54 34 13.22	0.021	09	0.20	53.033	15	38.1	13.46	18	38.1	K5	C9	2498	P -54 1248
95	10.5		17 56.203	-0.0002	13	-59 42 7.88	0.007	13	0.15	56.204	14	46.2	7.91	14	46.2	A5	CD	1841	P -59 812
96	10.4		18 5.241	-0.0058	15	-55 44 39.42	-0.029	15	0.24	5.309	15	38.1	39.07	18	38.1	F8	C9	2499	P -55 1212
97	10.0E	10.5H	18 7.835	-0.0015	12	-50 20 18.80	0.025	12	0.71	7.907	45	03.6	19.95	45	03.6	F5	CZ	4424	P -50 1216
98	10.3	9.4W	18 13.390	0.0004	13	-56 23 40.70	0.026	13	0.15	13.388	14	46.2	40.80	14	46.2	K0	CD	1842	P -56 1307
99	8.4	8.5W	18 17.060	-0.0008	07	-55 31 17.69	0.015	07	0.18	17.069	15	38.1	17.87	18	38.1	A2	C9	2500	P -55 1213
00		7.2T	18 21.125	-0.0008	13	-55 52 37.28	0.047	11	0.61	21.162	21	02.9	39.60	17	01.0	K2	GC	9785	P -55 1214

235100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 7H DM NUMBER
1		6.9T	7 18 24.973	0.0023	12	-57 57 33.21	0.053	10	0.58	24.857	19	03.4	35.90	18	99.1	A0	GC	9788	P -57 1189
2	10.2	10.0W	18 33.729	-0.0076	15	-55 48 35.91	0.022	15	0.24	33.819	15	38.1	36.17	18	38.1	A2 O	C9	2503	P*-55 1215
3	9.2	8.7W	18 37.079	-0.0020	15	-54 43 40.72	0.029	15	0.24	37.103	15	38.1	41.06	18	38.1	G0	C9	2505	P -54 1250
4		7.1Q	18 37.516	-0.0015	12	-57 21 17.96	0.018	11	0.59	37.591	19	04.4	18.84	18	01.9	A0	GC	9792	P -57 1191
5		7.4T	18 39.932	-0.0001	15	-52 28 13.75	0.027	11	0.65	39.936	21	04.4	15.65	19	00.2	G5	GC	9794	P -52 1149
6	8.4	8.5W	18 48.798	0.0003	13	-57 41 3.99	0.004	13	0.15	48.797	14	46.2	4.01	14	46.2	A3	CD	1846	P -57 1192
7	10.0		18 49.122	0.0036	13	-56 21 1.49	0.002	13	0.15	49.108	14	46.2	1.50	14	46.2	A	CD	1847	P -56 1310
8	8.8	7.9W	18 59.876	-0.0014	07	-54 6 58.80	0.047	07	0.18	59.893	15	38.1	59.35	18	38.1	K0	C9	2510	P -53 1315
9	10.2	9.0W	19 7.594	-0.0031	06	-59 12 0.94	-0.008	06	0.14	7.605	14	46.2	0.91	14	46.2	G5 O	CD	1848	P -59 816
10		6.4T	19 9.031	-0.0044	07	-52 13 7.24	0.134	07	0.42	9.257	17	98.4	14.79	17	93.7	F2	GC	9811K	P -52 1153
11		7.0T	19 9.411	-0.0049	09	-52 12 59.03	0.123	09	0.55	9.685	21	93.7	6.47	18	89.6	F2	GC	9812K	P -52 1153
12	10.2	9.7W	19 14.836	-0.0027	09	-57 35 22.01	0.053	09	0.14	14.847	14	46.2	22.21	14	46.2	A9 O	CD	1849	P -57 1193
13		9.3T	19 22.890	0.0006	16	-52 6 7.41	-0.039	15	0.77	22.861	24	03.4	5.53	22	01.6	F0	GC	9815K	C -51 2444
14		6.7T	19 23.296	-0.0042	07	-56 12 1.86	0.047	05	0.28	23.482	12	12.0	3.98	12	05.2	A0	GC	9816	P*-56 1313
15	10.2		19 24.363	-0.0009	15	-57 35 11.22	0.024	15	0.15	24.367	14	46.2	11.31	14	46.2	A2 O	CD	1851	P -57 1195
16		5.5T	19 25.561	-0.0025	09	-51 59 26.57	-0.007	08	0.35	25.653	14	12.7	26.29	14	09.4	B9	GC	9818	C*-51 2445
17		7.2T	19 25.968	-0.0041	12	-52 6 12.14	0.002	10	0.62	26.172	22	99.9	12.26	19	93.9	A0	GC	9819K	C -51 2446
18	9.9	9.1W	19 27.672	0.0014	11	-57 33 8.83	0.021	11	0.15	27.667	14	46.2	8.91	14	46.2	G5 O	CD	1852	P -57 1196
19	9.2	9.0W	19 31.889	0.0008	06	-59 4 11.96	-0.013	06	0.14	31.885	14	46.2	11.91	14	46.2	A3	CD	1853	P -58 897
20	10.2		19 34.281	0.0037	12	-57 47 7.94	0.017	12	0.15	34.267	14	46.2	8.01	14	46.2	A2 O	CD	1854	P -57 1197
21		6.6T	19 34.780	-0.0050	14	-51 18 33.96	0.048	12	0.70	35.025	19	01.0	36.42	18	98.3	A2	GC	9822	C -51 2447
22	9.9	9.1W	19 39.679	0.0004	07	-57 23 35.64	-0.035	07	0.14	39.678	14	46.2	35.51	14	46.2	G5	CD	1855	P -57 1198
23	9.9	9.2W	19 40.945	-0.0033	13	-57 11 50.85	0.042	13	0.15	40.958	14	46.2	51.01	14	46.2	G0	CD	1856	P -57 1199
24	9.1	8.8W	19 43.402	-0.0017	07	-53 40 31.69	0.073	07	0.18	43.423	15	38.1	32.55	18	38.1	G0	C9	2517	P -53 1319
25	9.2	8.9W	19 43.942	-0.0049	07	-55 17 4.81	0.047	07	0.18	44.000	15	38.1	5.37	18	38.1	F5	C9	2518	P -55 1220
26		7.2T	19 45.028	0.0004	13	-50 45 31.64	-0.000	12	0.66	45.009	19	00.9	31.62	18	98.3	B8	GC	9825	C -50 2708
27		8.7T	19 47.304	0.0011	18	-51 46 9.55	-0.013	20	0.89	47.254	24	05.2	8.97	24	04.9	K0	GC	9826	C -51 2450
28		7.7T	19 48.416	0.0003	13	-58 34 40.50	0.001	10	0.56	48.401	19	06.7	40.53	18	03.3	A0	GC	9828	P -58 899
29	8.7E	9.4H	19 53.022	-0.0004	12	-50 28 57.94	-0.001	12	0.70	53.038	45	04.1	57.88	45	04.1	A2	CZ	4451	P -50 1225
30	9.9E	10.2H	19 56.805	-0.0007	12	-51 7 25.78	0.011	12	0.81	56.837	63	04.1	26.28	57	04.1	A2	CZ	4456	P -50 1226
31	7.9	8.1W	19 56.858	0.0002	06	-56 41 4.05	0.014	06	0.14	56.858	14	46.2	4.11	14	46.2	B9	CD	1858	P -56 1315
32	8.5	8.5W	19 58.640	0.0006	07	-53 47 6.87	0.007	07	0.18	58.633	15	38.1	6.95	18	38.1	A0	C9	2520	P -53 1321
33	9.7	9.4W	19 59.776	-0.0003	13	-58 20 36.66	-0.014	13	0.15	59.777	14	46.2	36.61	14	46.2	F5 O	CD	1860	P -58 900
34	10.4		20 1.797	0.0002	11	-57 33 55.35	0.016	11	0.15	1.797	14	46.2	55.41	14	46.2	A0 O	CD	1861	P -57 1200
35	10.5		20 3.436	-0.0029	12	-57 38 32.81	0.027	12	0.15	3.447	14	46.2	32.91	14	46.2	A O	CD	1862	P -57 1201
36	9.1	8.9W	20 3.918	-0.0029	08	-53 31 55.74	0.001	08	0.19	3.953	15	38.1	55.75	18	38.1	F8	C9	2521	P -53 1323
37	9.9	9.8W	20 11.348	-0.0046	13	-54 30 21.33	-0.014	13	0.23	11.403	15	38.1	21.16	18	38.1	F2	C9	2522	P -54 1255
38	11.1	9.8W	20 12.118	0.0030	11	-57 38 50.64	0.017	11	0.15	12.107	14	46.2	50.71	14	46.2	G8 O	CD	1864	P -57 1202
39	10.2	9.1W	20 32.122	0.0012	07	-57 21 55.27	-0.017	07	0.14	32.118	14	46.2	55.21	14	46.2	G5	CD	1865	P -57 1204
40	10.2	9.1W	20 44.860	0.0031	07	-57 11 0.73	-0.004	07	0.14	44.848	14	46.2	0.71	14	46.2	G8 O	CD	1867	P -57 1205
41	9.5	7.8W	20 45.574	-0.0011	06	-56 9 24.54	0.042	06	0.14	45.578	14	46.2	24.70	14	46.2	M8	CD	1868	P -56 1320
42	9.2	8.8W	20 47.864	-0.0125	07	-53 48 24.79	0.031	07	0.18	48.013	15	38.1	25.15	18	38.1	F5	C9	2524	P -53 1326
43		8.0T	20 49.721	0.0001	15	-55 40 27.90	-0.015	11	0.67	49.713	21	03.6	27.14	19	98.2	A0	GC	9854	P -55 1224
44	9.8E	8.9H	20 58.759	-0.0020	12	-51 23 25.92	0.040	12	0.81	58.852	63	04.1	27.75	57	04.1	G5	CZ	4469	P -51 1168
45	9.8E	9.2H	21 0.654	-0.0028	12	-50 11 9.83	0.012	12	0.64	0.790	31	02.4	10.39	28	02.4	A5	CZ	4468	P -50 1230
46	9.2	9.1W	21 3.531	-0.0052	07	-53 4 59.36	0.007	07	0.18	3.593	15	38.1	59.45	18	38.1	F2	C9	2527	P -52 1161
47	8.5	8.9W	21 3.558	-0.0012	07	-54 19 51.53	-0.006	07	0.18	3.573	15	38.1	51.45	18	38.1	A0	C9	2526	P -54 1259
48	10.5	9.9W	21 6.829	0.0030	07	-57 17 15.16	-0.040	07	0.14	6.818	14	46.2	15.01	14	46.2	G5 O	CD	1869	P -57 1206
49	9.4	9.4W	21 15.305	-0.0040	08	-54 55 3.12	0.046	08	0.19	15.353	15	38.1	3.66	18	38.1	A2	C9	2528	P -54 1260
50	10.1	9.4W	21 17.485	-0.0005	15	-55 4 47.55	0.002	15	0.24	17.490	15	38.1	47.57	18	38.1	G5	C9	2529	P -54 1261
51	10.3	9.0W	7 21 27.811	0.0015	06	-58 38 16.86	-0.013	06	0.14	27.805	14	46.2	16.81	14	46.2	G5 O	CD	1871	P -58 905
52		7.5T	21 36.569	-0.0027	12	-52 25 17.51	-0.026	11	0.60	36.699	19	01.3	16.15	19	97.3	G5	GC	9875	P -52 1162
53	10.3	8.7W	21 38.148	-0.0011	05	-55 28 17.31	0.022	05	0.18	38.160	15	38.1	17.58	18	38.1	K5	C9	2532	P -55 1226
54	8.9	8.1W	21 47.583	-0.0013	06	-56 34 59.32	-0.056	06	0.14	47.587	14	46.2	59.11	14	46.2	G5	CD	1873	P -56 1324
55		6.9T	21 54.807	-0.0091	10	-55 28 50.03	0.124	11	0.56	55.281	21	99.5	56.47	19	98.2	K0	GC	9882K	P -55 1227
56	10.5		21 58.210	-0.0046	13	-57 8 19.28	0.140	13	0.15	58.228	14	46.2	19.81	14	46.2	G8 O	CD	1874	P -56 1325
57		8.5T	21 58.870	-0.0031	16	-58 48 59.60	-0.009	13	0.69	59.007	24	05.6	59.18	21	05.2	A0	GC	9884	P -58 907
58	9.9E	10.2H	22 9.325	-0.0008	12	-51 24 17.61	0.010	12	0.81	9.363	63	04.1	18.07	57	04.1	A0	CZ	4490	P -51 1173
59		7.0T	22 12.787	-0.0025	10	-53 24 36.18	0.011	09	0.53	12.912	19	99.5	36.78	18	95.1	K0	GC	9892	P -53 1331
60	9.8		22 17.614	-0.0010	13	-56 44 27.65	-0.010	13	0.15	17.618	14	46.2	27.61	14	46.2	A	CD	1877	P -56 1326
61	10.6		22 19.332	-0.0017	13	-56 24 31.43	0.017	13	0.15	19.338	14	46.2	31.50	14	46.2	G3 O	CD	1878	P -56 1327
62	9.7	8.7W	22 27.344	-0.0022	07	-55 8 54.01	0.014	07	0.18	27.370	15	38.1	54.17	18	38.1	K2	C9	2537	P -55 1228
63		7.3T	22 33.211	-0.0027	12	-53 34 15.90	0.035	09	0.57	33.342	21	01.8	17.76	19	96.8	B5	GC	9896	P -53 1334
64	8.9	8.5W	22 43.851	-0.0016	07	-57 59 54.63	0.020	07	0.14	43.857	14	46.2	54.71	14	46.2	G0	CD	1879	P -57 1212
65	10.4	9.6W	22 44.245	-0.0080	15	-55 2 14.13	0.104	15	0.24	44.340	15	38.1	15.37	18	38.1	K0	C9	2539	P -54 1263
66	9.9E	9.8H	22 48.232	-0.0004	12	-50 30 51.99	-0.005	12	0.70	48.251	45	04.1	51.75	45	04.1	A5	CZ	4498	P -50 1238
67	10.4	9.6W	22 49.233	0.0042	11	-57 30 20.60	0.002	11	0.15	49.217	14	46.2	20.61	14	46.2	G5 O	CD	1880	P -57 1213
68	9.4	9.5W	22 57.874	-0.0106	15	-55 38 12.37	0.017	15	0.24	57.999	15	38.1	12.57	18	38.1	A0	C9	2540	P -55 1229
69	8.9E	8.9H	23 15.092	-0.0014	12	-51 1 4.18	0.025	12	0.70	15.157	45	04.1	5.32	45	04.1	A0	CZ	4503	P -50 1239
70	9.2	9.4W	23 15.411	-0.0018	07	-54 54 54.67	0.016	07	0.18	15.433	15	38.1	54.86	18	38.1	A0	C9	2542	P -54 1266
71		6.6T	23 17.853	-0.0100	07	-58 23 39.53	0.141	06	0.30	18.283	12	10.5	45.57	12	07.1	G5	GC	9919	P*-58 909
72	10.0	9.2W	23 23.107	-0.0028	09	-57 11 42.99	-0.022	09	0.14	23.118	14	46.2	42.91	14	46.2	K	CD	1882	P -57 1218
73	10.3		23 29.037	0.0031	15	-55 51 59.60	-0.011	15	0.24	28.999	15	38.1	59.47	18	38.1	G0 O	C9	2543	P -55 1231
74	9.6	9.9W	23 29.375	0.0043	13	-56 29 52.64	0.042	13	0.15	29.358	14	46.2	52.80	14	46.2	A0	CD	1883	P -56 1331
75	9.8	9.5W	23 31.809	-0.0017	07	-55 50 32.29	0.040	07	0.18	31.829	15	38.1	32.77	18	38.1	G0	C9	2544	P -55 1232
76	8.0E	8.2H	23 33.899	-0.0035	12	-51 22 27.39	0.022	12	0.65	34.069	31	01.6	28.45	31	01.6	F8	CZ	4513	P -51 1178
77	10.6	8.8W	23 36.275	-0.0031	08	-57 49 50.75	0.014	08	0.14	38.287	14	46.2	50.81	14	46.2	K6 O	CD	1884	P -57 1220
78	10.5		23 53.296	0.0025	13	-57 54 17.61	-0.000	13	0.15	53.287	14	46.2	17.61	14	46.2	A1 O	CD	1885	P -57 1223
79		7.8T	23 56.700	-0.0021	13	-53 0 50.55	0.056	10	0.61	56.797	21	03.3	53.44	19	98.3	F0	GC	9936	P -52 1170
80	9.8		24 6.575	-0.0015	06	-54 38 28.74	0.010	06	0.18	6.593	15	38.1	28.86	18	38.1	A0	C9	2549	P -54 1267
81	9.8	9.8W	24 7.405	-0.0034	13	-56 49 15.96	0.040	13	0.15	7.418	14	46.2	16.11	14	46.2	A	CD	1887	P -56 1333
82	10.1E	10.0H	24 8.695	-0.0000	12	-50 23 40.07	0.157	12	0.64	8.697	31	02.4	47.53	28	02.4	G5	CZ	4517	P -50 1243
83	10.2		24 10.962	0.0020	09	-59 49 53.91	0.025	09	0.14	10.954	14	46.2	54.01	14	46.2	A5 O	CD	1825	P -59 624
84	10.4	9.4W	24 17.172	-0.0015	06	-55 42 10.19	-0.010	06	0.18	17.189	15	38.1	10.07	18	38.1	K0	C9	2550	P -55 1235
85	10.6		24 21.813	0.0013	11	-57 26 56.93	0.022	11	0.15	21.808	14	46.2	57.01	14	46.2	F7 O	CD	1890	P -57 1227
86	8.6	8.8W	24 42.659	-0.0028	07	-54 55 50.46	-0.008	07	0.18	42.693	15	38.1	50.36	18	38.1	A0	C9	2551	P -54 1268
87		8.7T	24 47.806	-0.0007	18	-55 15 42.59	-0.019	15	0.76	47.839	22	07.1	41.76	22	05.2	F5	GC	9958	P*-55 1237
88	10.4		24 51.113	-0.0109	13	-54 22 38.49	0.014	13	0.23	51.243	15	38.1	38.65	18	38.1	A0	C9	2554	P -54 1270
89	9.9E	9.1H	24 52.201	-0.0013	12	-51 44 26.12	0.053	12	0.71	52.261	45	03.6	28.60	45	03.6	K0	CZ	4528	P -51 1182
90	10.3		24 57.363	-0.0005	11	-58 56 25.20	0.001	11	0.15	57.365	14	46.2	25.21	14	46.2	A0 O	CD	1892	P -58 912
91	9.6	9.4W	25 1.659	-0.0023	13	-56 35 19.28	-0.043	13	0.15	1.667	14	46.2	19.11	14	46.2	A5	CD	1893	P -56 1338
92		5.1T	25 4.864	-0.0003	05	-50 55 0.86	0.002	05	0.23	4.877	09	07.4	0.93	09	04.3	K0	GC	9964	C*-50 2761
93	8.9	8.8W	25 7.989	-0.0023	06	-56 51 20.54	0.072	06	0.14	7.997	14	46.2	20.81	14	46.2	F5	CD	1895	P -56 1340
94	10.1	9.8W	25 10.957	-0.0072	07	-54 33 21.05	0.060	07	0.18	11.043	15	38.1	21.76	18	38.1	F5	C9	2558	P -54 1274
95	9.6	8.6W	25 14.662	-0.0010	11	-51 54 36.92	-0.040	11	0.21	14.673	15	38.1	36.45	18	38.1	K0	C9	2559	P -51 1183
96	10.0E	10.0H	25 23.900	-0.0008	12	-51 11 29.47	0.020	12	0.71	23.938	45	03.6	30.39	45	03.6	A0	CZ	4537	P -51 1185
97	9.0	9.2W	25 24.140	0.0004	13	-56 22 46.79	0.028	13	0.15	24.138	14	46.2	46.90	14	46.2	A0	CD	1896	P -56 1341
98		8.3T	25 39.259	-0.0034	16	-55 8 31.52	0.011	12	0.69	39.431	22	04.8	32.09	19	00.0	A0	GC	9984	P -54 1277
99	10.1		25 41.221	0.0009	07	-57 25 12.60	0.002	07	0.14	41.218	14	46.2	12.61	14	46.2	A1 O	CD	1898	P -57 1232
00	8.5	8.4W	25 50.549	-0.0029	06	-52 13 6.79	0.013	06	0.18	50.583	15	38.1	6.95	18	38.1	A5	C9	2564	P -52 1178

235200 — EPOCH 1950 — ORIGINAL EPOCH — -50° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.9E	9.0H	7 25 53.979	0.0002	12	-50 26 33.57	0.022	12	0.71	53.968	45	03.6	34.58	45	03.6	K2	CZ	4544	P -50 1252
2	8.8	9.1W	25 55.145	-0.0023	07	-52 30 16.18	-0.003	07	0.18	55.173	15	38.1	16.14	18	38.1	B9	C9	2565	P -52 1181
3	9.5	9.1W	25 59.378	-0.0002	07	-56 8 31.13	0.029	07	0.18	59.379	15	38.1	31.47	18	38.1	F2	C9	2566	P -55 1239
4	8.6	8.5W	26 2.079	-0.0001	07	-55 43 55.35	-0.015	07	0.18	2.079	15	38.1	55.17	18	38.1	F0	C9	2567	P -55 1240
5	10.0	9.8W	26 4.584	-0.0006	07	-57 30 32.78	0.008	07	0.14	4.587	14	46.2	32.81	14	46.2	F0 ○	C0	1899	P -57 1234
6		6.9T	26 10.730	-0.0335	12	-51 17 57.76	0.003	09	0.61	12.506	21	97.0	57.91	18	92.2	G5	GC	9994	C -51 2507
7		7.7T	26 11.691	0.0013	13	-59 28 34.74	0.018	10	0.51	11.632	17	10.3	35.52	17	05.7	K0	GC	9996	P -59 829
8	10.3	9.3W	26 17.002	-0.0036	07	-58 53 45.85	-0.011	07	0.14	17.015	14	46.2	45.81	14	46.2	G3 ○	C0	1901	P -58 913
9	10.4	9.4W	26 20.818	0.0013	09	-54 11 3.88	-0.035	09	0.20	20.803	15	38.1	3.45	18	38.1	K5	C9	2569	P -54 1280
10	8.7E	9.1H	26 21.135	0.0002	12	-51 15 22.49	0.002	12	0.82	21.126	63	03.2	22.58	57	03.2	B8	CZ	4553	P -51 1192
11		8.5T	26 32.053	-0.0013	13	-55 18 26.57	-0.001	12	0.62	32.117	22	03.9	26.54	21	02.3	A2	GC	10004	P*-55 1241
12	10.1	9.8W	26 32.998	-0.0027	13	-56 0 5.09	-0.057	13	0.23	33.029	15	38.1	5.77	18	38.1	F5	C9	2572	P -55 1242
13	8.1	8.4W	26 39.218	-0.0013	06	-51 58 43.40	0.004	06	0.18	39.233	15	38.1	43.45	18	38.1	A0	C9	2573	P -51 1195
14	10.1	9.1W	26 40.073	0.0011	13	-55 52 30.96	-0.009	13	0.15	40.068	14	46.2	31.00	14	46.2	K2	C0	1902	P -55 1243
15	10.4		26 50.874	0.0010	14	-53 23 11.12	-0.040	14	0.24	50.863	15	38.1	10.64	18	38.1	G0	C9	2576	P -53 1342
16	10.4	9.1W	26 50.935	0.0002	07	-53 8 0.56	0.024	07	0.18	50.933	15	38.1	0.85	18	38.1	K0	C9	2577	P -52 1187
17	10.1		26 51.697	0.0006	15	-56 2 42.89	-0.010	15	0.24	51.689	15	38.1	42.77	18	38.1	A0	C9	2578	P -55 1244
18	10.2		27 0.718	-0.0021	15	-53 11 34.79	0.038	15	0.24	0.743	15	38.1	35.24	18	38.1	A0	C9	2580	P -53 1344
19	10.0		27 1.689	0.0046	07	-51 58 19.95	-0.009	07	0.18	1.633	15	38.1	19.85	18	38.1	A0	C9	2581	P -51 1197
20	10.6E	11.5H	27 13.115	-0.0009	12	-50 16 48.54	0.046	12	0.64	13.160	31	02.1	50.74	28	02.1	G	CZ	4563	P -50 1257
21		6.6T	27 16.986	0.0002	13	-57 58 8.11	0.002	09	0.54	16.978	18	05.7	8.20	17	02.0	K0	GC	10032	P*-57 1236
22	9.9	9.9W	27 17.067	-0.0044	15	-55 32 25.69	-0.111	15	0.24	17.119	15	38.1	24.37	18	38.1	F5	C9	2582	P*-55 1245
23	9.3	9.0W	27 29.564	-0.0059	06	-58 25 54.59	-0.020	06	0.14	29.587	14	46.2	54.51	14	46.2	G5	C0	1904	P -58 916
24	8.4	8.4W	27 35.297	-0.0014	07	-52 21 41.83	0.035	07	0.18	35.313	15	38.1	42.25	18	38.1	A2	C9	2583	P -52 1190
25	10.1	9.2W	27 36.453	0.0015	06	-57 52 19.65	0.014	06	0.14	36.447	14	46.2	19.71	14	46.2	G4 ○	C0	1905	P -57 1237
26	10.6	9.7W	27 38.043	-0.0000	07	-54 35 40.30	0.014	07	0.18	38.043	15	38.1	40.46	18	38.1	K2	C9	2584	P -54 1285
27	9.1	9.1W	27 42.417	-0.0001	07	-58 18 18.87	-0.015	07	0.14	42.417	14	46.2	18.81	14	46.2	A0	C0	1906	P -58 917
28	10.2		27 54.190	-0.0002	15	-54 24 45.34	0.001	15	0.24	54.193	15	38.1	45.35	18	38.1	A2	C9	2586	P -54 1287
29	9.3E	9.8H	27 54.996	-0.0001	12	-51 41 35.85	0.011	12	0.82	55.001	63	03.2	36.38	57	03.2	B8	CZ	4571	P -51 1202
30	9.7E	9.6H	28 3.523	-0.0023	12	-51 33 6.70	0.036	12	0.66	3.635	31	01.2	8.45	31	01.2	F2	CZ	4573	P -51 1206
31	8.7	7.7W	28 11.431	-0.0019	07	-52 16 30.09	0.047	07	0.18	11.453	15	38.1	30.65	18	38.1	K0	C9	2588	P -52 1192
32	9.3E	8.5H	28 22.254	0.0019	12	-51 4 43.61	-0.012	12	0.71	22.167	45	03.6	43.05	45	03.6	G5	CZ	4578	P -50 1261
33		8.5T	28 26.234	-0.0003	10	-55 12 0.19	-0.015	12	0.57	26.251	21	00.7	59.46	19	00.3	A2	GC	10056K	P*-55 1247
34	10.9	9.6W	28 28.325	0.0011	09	-55 57 19.25	0.010	09	0.20	28.309	15	38.1	19.37	18	38.1	K2 ○	C9	2591	P -55 1248
35	9.8E	9.8H	28 29.615	-0.0001	12	-50 27 14.32	0.026	12	0.71	29.618	45	03.6	15.51	45	03.6	F5	CZ	4580	P -50 1262
36	8.4	8.7W	28 31.644	0.0001	06	-54 48 9.35	-0.026	06	0.18	31.643	15	38.1	9.66	18	38.1	A0	C9	2592	P -54 1290
37	9.6	8.6W	28 33.076	-0.0015	07	-52 2 36.59	-0.004	07	0.18	33.093	15	38.1	36.55	18	38.1	G5	C9	2594	P -51 1207
38		7.9T	28 39.717	-0.0040	16	-51 5 50.47	0.077	12	0.71	39.906	22	02.9	54.36	22	99.2	F0	GC	10065	C -50 2796
39		5.9T	28 46.894	-0.0038	10	-52 32 45.39	0.058	08	0.52	47.090	19	98.3	48.71	18	92.7	G5	GC	10072	P -52 1198
40	9.9E	9.0H	28 47.379	0.0013	12	-51 49 21.35	0.012	12	0.82	47.318	63	03.2	21.93	57	03.2	K2	CZ	4587	P -51 1211
41	9.4	9.6W	28 51.723	-0.0033	06	-59 29 23.69	0.005	06	0.14	51.735	14	46.2	23.71	14	46.2	A0	C0	1908	P -59 833
42	10.0	9.9W	28 51.940	0.0038	13	-58 38 31.47	0.010	13	0.15	51.925	14	46.2	31.51	14	46.2	A0 ○	C0	1909	P -58 919
43	8.6	8.9W	28 53.091	0.0010	07	-56 37 18.85	0.016	07	0.14	53.088	14	46.2	18.91	14	46.2	A0	C0	1910	P -56 1354
44	9.2	8.9W	28 58.121	0.0010	07	-58 7 14.33	-0.032	07	0.14	58.117	14	46.2	14.21	14	46.2	F5	C0	1912	P -57 1240
45	9.9	8.3W	28 59.964	0.0015	07	-57 17 19.22	-0.003	07	0.14	59.958	14	46.2	19.21	14	46.2	K2 ○	C0	1913	P -57 1239
46		7.8T	29 6.246	-0.0014	13	-56 12 45.65	0.026	12	0.64	6.314	21	03.5	46.97	19	99.8	K5	GC	10076	P -56 1358
47		6.7T	29 9.918	-0.0000	06	-50 30 10.43	0.013	05	0.23	9.918	09	12.2	10.95	09	08.7	A0	GC	10077	C -50 2803
48		9.7T	29 14.239	-0.0039	17	-50 1 19.05	-0.034	15	0.75	14.409	24	05.9	17.49	24	04.9	K0	GC	10080	C -49 2885
49	9.2	8.8W	29 15.950	0.0085	13	-56 51 5.10	-0.023	13	0.15	15.918	14	46.2	5.01	14	46.2	G5	C0	1917	P -56 1360
50		7.0T	29 19.878	-0.0012	13	-57 6 15.87	0.022	11	0.58	19.937	18	06.5	16.92	18	03.1	K2	GC	10082	P -56 1361
51	9.0	9.4W	7 29 20.692	-0.0009	07	-54 23 11.34	0.010	07	0.18	20.703	15	38.1	11.45	18	38.1	B8	C9	2597	P -54 1293
52		5.9T	29 23.176	0.0014	10	-54 17 35.03	0.041	06	0.37	23.119	14	08.9	36.95	14	03.0	K5	GC	10083	P -54 1294
53	9.0	8.6W	29 23.528	0.0131	07	-57 20 33.51	0.183	07	0.14	23.478	14	46.2	34.21	14	46.2	G0	C0	1919	P -57 1242
54	9.3E	9.6H	29 24.946	0.0005	12	-51 14 4.33	0.006	12	0.82	24.923	63	03.2	4.60	57	03.2	B9	CZ	4594	P -51 1213
55	10.2		29 25.510	-0.0109	15	-55 30 17.91	0.123	15	0.24	25.639	15	38.1	19.37	18	38.1	F5	C9	2599	P -55 1253
56	8.4	8.2W	29 27.645	-0.0040	06	-52 47 29.18	0.056	06	0.18	27.693	15	38.1	29.84	18	38.1	F2	C9	2600	P -52 1203
57		7.5T	29 32.774	-0.0055	15	-51 3 5.53	-0.019	12	0.69	33.041	17	01.4	4.52	17	98.1	K0	GC	10087	C -50 2809
58	10.2	9.2W	29 39.387	0.0003	08	-59 27 6.04	-0.007	08	0.14	39.386	14	46.2	6.01	14	46.2	G5 ○	C0	1922	P -59 835
59	9.8	9.5W	29 43.151	-0.0092	15	-55 28 2.18	0.058	15	0.24	43.260	15	38.1	2.87	18	38.1	F5	C9	2601	P -55 1256
60	9.4	9.1W	29 48.070	-0.0017	13	-57 37 50.15	-0.037	13	0.15	48.077	14	46.2	50.01	14	46.2	F1 ○	C0	1924	P -57 1245
61	10.2	8.9W	29 55.965	-0.0006	07	-58 20 41.63	-0.006	07	0.14	55.967	14	46.2	41.61	14	46.2	K0	C0	1926	P -58 925
62	9.5	9.1W	30 0.466	-0.0000	07	-56 44 39.65	0.015	07	0.14	0.466	14	46.2	39.71	14	46.2	A0	C0	1927	P -56 1363
63	9.0	9.0W	30 1.838	-0.0045	07	-57 53 3.88	0.008	07	0.14	1.855	14	46.2	3.91	14	46.2	A3	C0	1928	P -57 1246
64	10.4	9.0W	30 6.637	0.0028	06	-57 28 5.27	0.037	06	0.14	6.626	14	46.2	5.41	14	46.2	G5 ○	C0	1929	P -57 1247
65	9.7	8.9W	30 9.390	-0.0045	13	-56 4 7.41	0.048	13	0.15	9.407	14	46.2	7.60	14	46.2	G5	C0	1930	P -55 1258
66		7.6T	30 10.732	-0.0026	11	-56 31 2.73	0.026	10	0.54	10.869	18	05.6	4.10	18	98.3	K0	GC	10099	P -56 1364
67	9.5E	9.2H	30 16.761	-0.0025	12	-51 29 50.77	0.012	12	0.82	16.879	63	03.2	51.33	57	03.2	K0	CZ	4603	P -51 1216
68	10.3	8.5W	30 17.275	-0.0003	06	-57 29 1.48	0.007	06	0.14	17.276	14	46.2	1.51	14	46.2	K0	C0	1933	P -57 1248
69	10.0E	10.0H	30 18.731	-0.0012	12	-50 14 37.56	0.011	12	0.71	18.788	45	03.6	38.05	45	03.6	B9	CZ	4602	P -50 1281
70	9.2	9.5W	30 20.049	-0.0034	13	-53 45 30.57	0.007	13	0.23	20.090	15	38.1	30.65	18	38.1	A0	C9	2607	P -53 1353
71	9.8E	9.2H	30 20.688	-0.0005	12	-50 31 40.09	0.005	12	0.71	20.711	45	03.6	40.30	45	03.6	F0	CZ	4604	P -50 1282
72	9.3E	9.2H	30 24.825	-0.0010	12	-51 7 3.12	0.011	12	0.82	24.872	63	03.2	3.63	57	03.2	B9	CZ	4607	P -50 1284
73	9.9E	9.6H	30 25.680	-0.0009	12	-50 35 57.69	0.021	12	0.71	25.721	45	03.6	58.65	45	03.6	F0	CZ	4605	P -50 1283
74		7.0T	30 29.689	-0.0026	13	-57 49 57.99	0.027	09	0.54	29.821	18	05.8	59.33	17	99.9	K0	GC	10101	P -57 1250
75	9.8	9.3W	30 34.857	0.0015	07	-54 24 15.58	0.015	07	0.18	34.840	15	38.1	15.75	18	38.1	G5	C9	2608	P -54 1298
76	9.9E	9.8H	30 40.343	-0.0006	12	-51 12 40.11	0.023	12	0.82	40.371	63	03.2	41.18	57	03.2	A5	CZ	4610	P -51 1219
77	10.3		30 44.497	0.0003	13	-56 59 58.59	0.004	13	0.15	44.496	14	46.2	58.61	14	46.2	A	C0	1937	P -56 1368
78	10.3	8.7W	30 59.097	0.0006	07	-54 53 41.73	-0.005	07	0.18	59.090	15	38.1	41.66	18	38.1	K5	C9	2611	P -54 1300
79	10.4	9.6W	31 11.991	-0.0078	15	-55 33 40.81	0.014	15	0.24	12.084	15	38.1	40.97	18	38.1	K2	C9	2612	P -55 1261
80	9.6	9.5W	31 25.796	0.0007	07	-59 10 44.63	-0.005	07	0.14	25.793	14	46.2	44.61	14	46.2	A0	C0	1939	P -59 842
81	10.4		31 30.877	-0.0044	15	-54 42 40.82	0.046	15	0.24	30.930	15	38.1	41.36	18	38.1	A0 ○	C9	2614	P -54 1301
82	9.7E	9.4H	31 34.057	-0.0016	12	-50 40 58.53	-0.039	12	0.71	34.134	45	03.2	56.70	45	03.2	G0	CZ	4621	P -50 1288
83		7.0T	31 35.633	0.0005	10	-53 26 47.04	-0.002	08	0.47	35.612	18	04.7	46.93	18	96.4	B8	GC	10125	P -53 1357
84	9.2	9.3W	31 46.474	-0.0018	07	-55 3 29.62	0.038	07	0.18	46.495	15	38.1	30.07	18	38.1	A5	C9	2616	P -54 1303
85	8.7	8.6W	31 47.607	-0.0023	06	-57 15 57.97	0.009	06	0.14	47.616	14	46.2	58.01	14	46.2	A5	C0	1941	P -57 1257
86	9.1	9.2W	31 48.608	-0.0011	07	-52 19 43.75	0.000	07	0.18	48.620	15	38.1	43.75	18	38.1	A0	C9	2618	P -52 1215
87		8.0W	31 53.457	-0.0062	12	-55 3 6.23	0.135	13	0.62	53.741	21	04.1	12.39	21	04.5	F8	GC	10133K	P -54 1305
88	10.0	9.2W	31 53.664	0.0004	07	-54 51 1.23	0.045	07	0.18	53.660	15	38.1	1.76	18	38.1	K0	C9	2620	P -54 1304
89	9.2E	9.0H	31 54.596	-0.0075	12	-51 36 33.69	-0.038	12	0.82	54.949	63	03.2	31.89	57	03.2	F8	CZ	4629	P -51 1224
90	9.4E	10.0H	31 54.917	-0.0024	12	-51 20 4.93	0.003	12	0.82	55.027	63	03.2	5.07	57	03.2	A2	CZ	4628	P -51 1223
91		6.8T	32 8.142	-0.0011	12	-50 28 28.86	-0.001	09	0.57	8.198	19	99.5	28.78	18	94.3	B5	GC	10140	C -50 2835
92	10.0	9.8W	32 11.656	0.0028	11	-57 41 7.55	-0.010	11	0.15	11.645	14	46.2	7.51	14	46.2	F1 ○	C0	1943	P -57 1259
93	9.9	9.9W	32 12.667	0.0004	08	-57 49 44.56	-0.013	08	0.14	12.665	14	46.2	44.51	14	46.2	A2 ○	C0	1944	P*-57 1261
94	8.9	9.4W	32 21.679	-0.0034	07	-54 38 50.64	0.011	07	0.18	21.720	15	38.1	50.76	18	38.1	B9	C9	2621	P -54 1308
95	9.9	9.9W	32 24.932	-0.0023	07	-54 36 43.25	0.010	07	0.18	24.960	15	38.1	43.36	18	38.1	F1 ○	C9	2622	P -54 1309
96	9.6E	9.8H	32 27.654	-0.0027	12	-51 22 9.98	0.036	12	0.82	27.778	63	03.2	11.66	57	03.2	F0	CZ	4642	P -51 1226
97	10.5E	9.0H	32 29.606	-0.0004	12	-52 1 3.18	-0.004	12	0.66	29.627	31	01.2	2.97	31	01.2	K5	CZ	4644	P -51 1228
98	10.2	10.0W	32 35.820	0.0017	07	-54 44 38.91	0.038	07	0.18	35.800	15	38.1	39.36	18	38.1	G5	C9	2623	P -54 1311
99		7.2T	32 38.451	0.0033	12	-59 5 18.53	-0.009	08	0.47	38.295	17	08.8	18.09	15	02.9	K5	GC	10162	P -58 935
00	9.9E	9.6H	32 38.879	-0.0029	12	-50 45 22.60	0.012	12	0.71	39.017	45	03.2	23.16	45	03.2	G5	CZ	4647	P -50 1294

235300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 7H DM NUMBER
1	10.0	9.9W	7 32 44.140	0.0038	11	-57 39 12.30	0.002	11	0.15	44.125	14	46.2	12.31	14	46.2	F9 O	C0	1948	P#-57 1263
2	9.8E	9.6H	32 46.926	-0.0036	12	-50 44 26.51	0.019	12	0.71	47.097	45	03.2	27.40	45	03.2	G	CZ	4650	P -50 1297
3	9.0E	7.5H	32 50.003	-0.0007	12	-50 43 51.56	0.067	12	0.71	50.038	45	03.2	54.70	45	03.2	MA	CZ	4651	P -50 1298
4	9.4E	10.2H	32 52.124	-0.0006	12	-51 37 13.75	-0.000	12	0.82	52.154	63	03.2	13.73	57	03.2	B8	CZ	4652	P -51 1230
5	9.3	9.0W	32 53.041	0.0018	06	-52 35 54.35	-0.017	06	0.18	53.020	15	38.1	54.14	18	38.1	F0	C9	2624	P -52 1220
6	7.7	8.2W	32 54.332	-0.0023	07	-53 9 16.04	0.009	07	0.18	54.360	15	38.1	16.14	18	38.1	B8	C9	2625	P -52 1221
7	8.1	7.6W	33 15.619	-0.0034	05	-52 51 40.20	0.281	05	0.18	15.660	15	38.1	43.54	18	38.1	G0	C9	2626	P -52 1223
8	10.4		33 16.592	0.0019	13	-57 2 50.18	0.007	13	0.15	16.586	14	46.2	50.21	14	46.2	A0 O	C0	1949	P -56 1378
9		7.0T	33 18.750	0.0000	12	-53 57 16.27	0.016	10	0.60	18.748	18	02.3	17.11	18	97.5	F2	GC	10176	P -53 1365
10		6.3T	33 22.652	-0.0011	14	-51 21 49.23	-0.001	12	0.69	22.703	19	01.1	49.16	18	97.4	A0	GC	10179	C -51 2571
11	9.4	7.9W	33 25.974	-0.0005	07	-52 41 56.56	0.007	07	0.18	25.980	15	38.1	56.64	18	38.1	K5	C9	2628	P -52 1224
12	10.1		33 31.147	0.0032	09	-58 12 53.68	-0.018	09	0.14	31.135	14	46.2	53.61	14	46.2	A3 O	C0	1951	P -58 939
13	9.7E	10.0H	33 31.757	-0.0046	12	-50 42 23.50	0.015	12	0.71	31.974	45	03.2	24.20	45	03.2	F8	CZ	4658	P -50 1303
14	10.0	8.4W	33 32.426	0.0005	07	-53 48 29.65	0.009	07	0.18	32.420	15	38.1	29.75	18	38.1	K5	C9	2629	P -53 1367
15	10.2	10.0W	33 33.231	0.0036	13	-56 13 28.58	0.003	13	0.15	33.217	14	46.2	28.60	14	46.2	A0	C0	1952	P -56 1379
16	9.6	9.4W	33 34.323	0.0003	14	-53 2 6.11	0.036	14	0.24	34.320	15	38.1	6.54	18	38.1	F0	C9	2630	P -52 1225
17	9.1	8.8W	33 34.585	0.0038	07	-53 50 1.37	-0.010	07	0.18	34.540	15	38.1	1.25	18	38.1	F5	C9	2631	P -53 1368
18	9.6	9.4W	33 41.954	0.0022	07	-56 39 1.15	-0.010	07	0.14	41.946	14	46.2	1.11	14	46.2	F0	C0	1953	P -56 1380
19	8.9	8.1W	33 45.410	0.0005	05	-55 39 43.95	-0.015	05	0.18	45.404	15	38.1	43.77	18	38.1	G5	C9	2632	P -55 1273
20	10.1	9.7W	33 46.389	-0.0034	15	-54 10 37.73	0.027	15	0.24	46.430	15	38.1	38.05	18	38.1	F5	C9	2633	P -54 1315
21	10.5	9.9W	33 49.548	-0.0035	15	-53 30 11.19	0.022	15	0.24	49.590	15	38.1	11.45	18	38.1	G3 O	C9	2634	P -53 1369
22	9.7	9.0W	33 49.631	0.0021	06	-58 32 42.06	-0.067	06	0.14	49.623	14	46.2	41.81	14	46.2	G5	C0	1954	P -58 940
23	8.8	9.2W	33 53.588	-0.0018	07	-54 58 27.83	0.003	07	0.18	53.610	15	38.1	27.86	18	38.1	B8	C9	2635	P -54 1316
24	9.1	8.1W	33 56.139	0.0033	07	-52 36 46.76	-0.018	07	0.18	56.100	15	38.1	46.54	18	38.1	G5	C9	2636	P -52 1229
25	9.1	9.4W	33 56.889	0.0009	06	-57 26 30.66	-0.014	06	0.14	56.886	14	46.2	30.61	14	46.2	A0	C0	1955	P -57 1270
26	9.8	8.3W	34 4.943	-0.0051	06	-55 43 24.37	0.025	06	0.18	5.004	15	38.1	24.67	18	38.1	K5	C9	2637	P -55 1276
27	9.6E	10.2H	34 9.793	-0.0006	12	-51 52 20.39	-0.009	12	0.82	9.823	63	03.2	19.95	57	03.2	A0	CZ	4665	P -51 1236
28	10.3		34 13.093	-0.0064	15	-53 36 46.38	-0.002	15	0.24	13.170	15	38.1	46.35	18	38.1	A5	C9	2638	P -53 1370
29	9.7	8.7W	34 13.154	-0.0131	06	-52 20 3.46	0.251	06	0.18	13.310	15	38.1	6.45	18	38.1	K0	C9	2639	P -52 1230
30	9.3E	9.2H	34 15.390	-0.0022	12	-51 39 52.25	0.023	12	0.82	15.495	63	03.2	53.31	57	03.2	F0	CZ	4669	P -51 1237
31	9.8	10.0W	34 15.603	-0.0031	15	-53 43 46.82	0.053	15	0.24	15.640	15	38.1	47.45	18	38.1	A0	C9	2640	P -53 1371
32	10.0	8.8W	34 18.612	-0.0011	06	-57 28 7.99	-0.021	06	0.14	18.616	14	46.2	7.91	14	46.2	G5 O	C0	1958	P -57 1271
33	9.7	8.9W	34 22.252	-0.0019	15	-56 1 17.51	0.005	15	0.24	22.274	15	38.1	17.57	18	38.1	K0	C9	2641	P -55 1279
34	9.9E	10.0H	34 22.897	-0.0024	12	-50 35 42.74	0.004	12	0.71	23.011	45	03.2	42.92	45	03.2	A2	CZ	4670	P -50 1308
35		8.5T	34 24.448	0.0055	13	-54 0 51.85	0.007	18	0.76	24.181	21	01.8	52.16	22	06.3	A0	GC	10205	P -53 1372
36		4.9H	34 25.490	0.0019	03	-52 25 17.59	-0.019	03	0.14	25.421	07	13.6	16.88	06	12.3	K5	F4	1198	P -52 1231
37	10.1	9.0W	34 25.991	-0.0007	15	-54 10 16.00	-0.012	15	0.24	26.000	15	38.1	15.85	18	38.1	K0	C9	2644	P -54 1319
38	8.8E	8.9H	34 28.988	-0.0014	12	-50 26 24.35	0.020	12	0.65	29.055	31	01.8	25.31	28	01.8	A5	CZ	4672	P -50 1309
39	9.8		34 34.946	-0.0018	11	-59 25 30.05	0.016	11	0.15	34.953	14	46.2	30.11	14	46.2	F	C0	1959	P -59 852
40	9.9	9.9W	34 35.744	-0.0003	13	-57 43 33.06	0.012	13	0.15	35.745	14	46.2	33.11	14	46.2	A	C0	1960	P -57 1273
41	10.3	9.9W	34 40.552	-0.0009	13	-56 56 47.44	-0.008	13	0.15	40.556	14	46.2	47.11	14	46.2	G	C0	1961	P -56 1384
42	9.5	9.4W	34 55.752	0.0017	13	-56 35 7.04	0.019	13	0.15	55.746	14	46.2	7.11	14	46.2	F0	C0	1962	P -56 1385
43		6.4T	34 57.984	-0.0005	12	-55 46 30.02	0.009	09	0.57	58.014	21	00.9	30.54	19	95.1	G5	GC	10221	P -55 1282
44	10.3	8.7W	35 0.705	-0.0004	06	-53 44 42.36	0.025	06	0.18	0.710	15	38.1	42.65	18	38.1	K5	C9	2646	P -53 1374
45	10.5	9.5W	35 2.868	0.0028	13	-55 24 19.50	0.023	13	0.23	2.835	15	38.1	19.78	18	38.1	K0	C9	2647	P -55 1283
46	10.3	9.9W	35 3.647	-0.0011	15	-54 30 54.98	0.041	15	0.24	3.660	15	38.1	55.46	18	38.1	F5	C9	2648	P -54 1324
47		7.5T	35 4.215	0.0010	18	-53 42 27.26	0.021	15	0.76	4.171	22	07.1	28.20	21	05.3	K5	GC	10226K	P -53 1375
48	10.5		35 4.632	-0.0036	15	-55 2 31.15	0.010	15	0.24	4.675	15	38.1	31.27	18	38.1	F8	C9	2650	P -54 1325
49		6.8T	35 4.646	0.0038	13	-57 11 1.89	0.075	10	0.57	4.459	19	05.6	5.65	18	00.2	K0	GC	10227	P -57 1277
50	9.5	9.1W	35 12.893	0.0020	06	-57 34 42.19	0.004	06	0.14	12.885	14	46.2	42.21	14	46.2	F6 O	C0	1964	P -57 1278
51		6.8T	7 35 16.837	0.0018	12	-54 4 26.37	-0.012	11	0.61	16.745	19	99.6	25.72	18	96.3	A0	GC	10238	P -53 1378
52	9.0	9.0W	35 23.417	-0.0038	07	-59 30 9.50	0.028	07	0.14	23.432	14	46.2	9.61	14	46.2	F2	C0	1965	P -59 855
53	9.4E	9.6H	35 24.744	-0.0019	12	-51 45 0.87	0.002	12	0.66	24.838	31	01.1	0.95	31	01.1	A0	CZ	4686	P -51 1241
54	10.2		35 26.436	0.0064	15	-53 36 16.74	0.001	15	0.24	26.360	15	38.1	16.75	18	38.1	A0	C9	2652	P -53 1379
55	9.9E	10.5H	35 28.675	-0.0024	12	-50 28 14.19	0.013	12	0.71	28.787	45	03.2	14.80	45	03.2	A0	CZ	4687	P -50 1314
56	10.2	9.9W	35 30.347	-0.0002	15	-53 36 22.85	0.017	15	0.24	30.350	15	38.1	23.05	18	38.1	A0	C9	2653	P -53 1382
57	10.5		35 35.887	-0.0024	15	-55 9 24.77	0.034	15	0.24	35.916	15	38.1	25.17	18	38.1	A2	C9	2654	P -54 1327
58		8.1T	35 38.484	-0.0007	14	-58 15 52.61	0.006	12	0.70	38.523	22	01.8	52.91	21	97.9	F0	GC	10250	P -58 947
59	10.4		35 39.121	-0.0012	15	-55 23 13.44	0.036	15	0.24	39.135	15	38.1	13.87	18	38.1	A2	C9	2655	P -55 1286
60	10.2	9.8W	35 45.113	0.0145	15	-54 28 21.47	-0.035	15	0.24	44.940	15	38.1	21.05	18	38.1	F5	C9	2656	P -54 1328
61	8.2	7.9W	35 48.217	-0.0019	06	-52 15 8.13	0.001	06	0.18	48.240	15	38.1	8.15	18	38.1	F5	C9	2657	P -52 1236
62		8.2T	35 49.384	-0.0103	18	-53 58 1.15	0.060	16	0.83	49.830	22	06.6	3.77	22	06.3	F8	GC	10255	P -53 1383
63	9.7	9.7W	35 52.302	-0.0009	09	-57 56 34.82	0.023	09	0.14	52.305	14	46.2	34.91	14	46.2	A3	C0	1967	P -57 1282
64	9.9E	9.1H	35 56.892	-0.0016	12	-51 33 43.75	0.043	12	0.82	56.968	63	03.2	45.76	57	03.2	G5	CZ	4690	P -51 1244
65	9.7	9.7W	35 57.521	0.0020	06	-59 28 46.94	-0.008	06	0.14	57.513	14	46.2	46.91	14	46.2	A5	C0	1968	P -59+ 859
66	10.0	9.8W	35 58.134	-0.0058	13	-56 49 3.91	-0.000	13	0.15	58.156	14	46.2	3.91	14	46.2	F5	C0	1969	P -56 1389
67	10.4		36 14.237	-0.0024	11	-57 26 11.82	-0.003	11	0.15	14.246	14	46.2	11.81	14	46.2	A2 O	C0	1970	P -57 1284
68	8.9E	7.3H	36 14.496	-0.0017	12	-51 18 24.95	-0.033	12	0.82	14.573	63	03.2	23.41	57	03.2	G5	CZ	4693	P -51 1246
69		8.1T	36 35.033	-0.0011	13	-57 6 8.91	0.012	11	0.54	35.082	18	08.5	9.44	17	07.1	A2	GC	10275	P -56 1393
70	10.4	9.7W	36 40.811	0.0012	07	-57 28 25.73	-0.006	07	0.14	40.806	14	46.2	25.71	14	46.2	G0 O	C0	1972	P -57 1285
71	10.3		36 44.832	-0.0086	15	-56 2 49.43	0.012	15	0.24	44.935	15	38.1	49.57	18	38.1	A1 O	C9	2659	P -55 1290
72	9.7	9.8W	36 45.580	0.0017	11	-58 49 37.30	0.003	11	0.15	45.573	14	46.2	37.31	14	46.2	A0	C0	1973	P -58 950
73		8.9T	36 48.385	-0.0018	16	-56 3 54.58	-0.001	13	0.71	48.473	22	04.8	54.55	21	02.3	B9	GC	10285	P -55 1291
74	7.8E	7.3H	36 54.855	-0.0024	12	-51 31 47.42	0.006	12	0.65	54.972	31	01.8	47.72	28	01.8	A0	CZ	4706	P -51 1247
75	9.1	9.3W	37 4.117	0.0006	06	-53 53 35.24	0.018	06	0.18	4.110	15	38.1	35.45	18	38.1	A2	C9	2661	P -53 1390
76	10.3	9.2W	37 4.365	0.0030	07	-59 13 53.67	-0.015	07	0.14	4.353	14	46.2	53.61	14	46.2	K0	C0	1975	P -59 862
77	10.4		37 6.049	0.0015	11	-58 35 48.33	-0.006	11	0.15	6.043	14	46.2	48.31	14	46.2	A2 O	C0	1976	P -58 952
78		7.7T	37 14.854	-0.0011	18	-54 0 4.80	0.026	13	0.76	14.902	22	05.1	6.08	17	00.6	K5	GC	10297	P -53 1391
79	10.4	9.4W	37 16.270	0.0011	07	-57 17 27.11	-0.001	07	0.14	16.266	14	46.2	27.11	14	46.2	G4 O	C0	1977	P -57 1286
80	10.1		37 23.135	-0.0004	11	-51 54 21.66	-0.001	11	0.21	23.140	15	38.1	21.65	18	38.1	A2	C9	2663	P -51 1250
81	9.8	9.0W	37 24.450	-0.0009	07	-52 23 21.70	-0.013	07	0.18	24.460	15	38.1	21.55	18	38.1	K0	C9	2664	P -52 1239
82	10.7		37 26.449	0.0064	11	-57 48 44.05	0.016	11	0.15	26.425	14	46.2	44.11	14	46.2	A2 O	C0	1978	P -57 1287
83	8.3	8.0W	37 26.562	0.0010	06	-54 31 19.58	0.100	06	0.18	26.550	15	38.1	20.76	18	38.1	F8	C9	2665	P -54 1337
84		7.6T	37 32.052	-0.0040	14	-50 27 42.61	0.060	12	0.70	32.250	19	00.5	45.72	18	97.8	G5	GC	10306	C -50 2897
85		6.8T	37 34.277	-0.0020	13	-56 6 50.78	0.000	09	0.61	34.399	21	02.3	50.80	18	90.4	K0	GC	10307	P -55 1299
86		8.3T	37 35.058	-0.0022	26	-50 57 55.35	-0.256	26	1.17	35.155	21	04.9	43.79	21	04.9	F8	GC	10308	C -50 2899
87	10.2	9.8W	37 35.365	0.0025	07	-57 8 48.15	-0.011	07	0.14	35.356	14	46.2	48.11	14	46.2	F8 O	C0	1980	P -56 1395
88	10.0	9.4W	37 39.131	-0.0006	07	-58 30 49.21	-0.000	07	0.14	39.133	14	46.2	49.21	14	46.2	F9 O	C0	1981	P -58 954
89	8.2	8.7W	37 45.221	-0.0033	07	-52 50 46.44	0.000	07	0.18	45.260	15	38.1	46.44	18	38.1	B3	C9	2667	P -52 1241
90	8.8	8.8W	37 47.079	-0.0001	06	-54 3 1.10	0.038	06	0.18	47.080	15	38.1	1.55	18	38.1	F0	C9	2668	P -53 1394
91		6.2T	37 47.980	-0.0014	12	-53 9 27.17	0.007	08	0.56	48.052	21	00.1	27.58	18	90.8	A0	GC	10312	P -52 1242
92	9.0	8.3W	37 56.745	-0.0058	06	-55 36 59.70	0.098	06	0.18	56.814	15	38.1	+ 0.87	18	38.1	G5	C9	2670	P -55 1301
93	10.2		37 58.414	-0.0005	15	-54 55 25.64	-0.048	15	0.24	58.420	15	38.1	25.06	18	38.1	A2	C9	2671	P -54 1341
94	9.1E	9.1W	37 59.936	-0.0011	12	-50 4 57.07	-0.005	12	0.64	59.988	31	02.1	56.82	28	02.1	A2	CZ	4727	P -49 1315
95	9.9	9.0W	38 2.053	0.0011	07	-54 57 27.16	-0.016	07	0.18	2.040	15	38.1	26.96	18	38.1	G5	C9	2672	P -54 1342
96	8.3	8.4W	38 12.531	0.0018	06	-54 10 51.44	0.001	06	0.18	12.510	15	38.1	51.45	18	38.1	A3	C9	2673	P -54 1343
97	10.4		38 16.196	-0.0015	07	-55 40 22.23	0.012	07	0.18	16.214	15	38.1	22.37	18	38.1	F5 O	C9	2674	P -55 1302
98	9.2E	8.5H	38 21.600	-0.0027	12	-50 46 40.33	-0.020	12	0.71	21.476	45	03.2	39.39	45	03.2	K0	CZ	4735	P -50 1335
99	10.4	9.1W	38 22.903	-0.0008	07	-57 8 31.75	-0.010	07	0.14	22.906	14	46.2	31.71	14	46.2	G6 O	C0	1984	P -56 1399
00	10.8	9.4W	38 25.637	-0.0014	07	-55 41 17.95	0.010	07	0.18	25.654	15	38.1	18.07	18	38.1	G2 O	C9	2675	P -55 1303

235400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 7H DM NUMBER
1	10.1	10.0W	7 38 31.468	0.0015	15	-53 25 3.57	0.031	15	0.24	31.450	15	38.1	3.94	18	38.1	F0		C9	2676	P -53 1398
2	8.5	8.5W	38 33.324	-0.0005	07	-52 34 43.47	0.031	07	0.18	33.330	15	38.1	43.84	18	38.1	A3		C9	2677	P -52 1243
3		8.0T	38 35.674	0.0024	14	-50 27 18.95	0.006	12	0.71	35.556	22	00.8	19.24	21	97.5	G5		GC	10340	C -50 2908
4	9.7	9.7W	38 38.784	0.0004	15	-53 31 26.74	0.018	15	0.24	38.780	15	38.1	26.95	18	38.1	A5		C9	2678	P -53 1399
5	8.8	9.0W	38 41.111	-0.0002	06	-59 50 4.50	0.002	06	0.14	41.112	14	46.2	4.51	14	46.2	A0		C0	1985	P -59 870
6	8.3	8.8W	38 55.661	0.0001	08	-53 51 48.63	0.019	08	0.19	55.660	15	38.1	48.85	18	38.1	B5		C9	2679	P -53 1400
7	10.6	9.8W	38 55.793	-0.0008	09	-57 3 0.12	-0.003	09	0.14	55.796	14	46.2	0.11	14	46.2	G5	O	C0	1986	P -56 1400
8	9.9	9.6W	39 8.381	0.0110	15	-54 13 46.71	0.012	15	0.24	8.250	15	38.1	46.85	18	38.1	F0		C9	2680	P -54 1345
9	9.1	8.8W	39 14.306	0.0008	06	-59 6 44.38	-0.019	06	0.14	14.303	14	46.2	44.31	14	46.2	F8		C0	1987	P -58 958
10	9.1	9.4W	39 34.969	-0.0001	07	-53 24 52.56	0.015	07	0.18	34.970	15	38.1	52.74	18	38.1	B9		C9	2681	P -53 1406
11		7.5T	39 35.420	-0.0028	13	-55 32 1.13	-0.005	11	0.63	35.565	21	02.9	0.90	19	99.0	A0		GC	10357	P -55 1308
12	9.9	9.9W	39 36.882	-0.0034	13	-58 13 17.84	0.018	13	0.15	36.895	14	46.2	17.91	14	46.2	A2	O	C0	1988	P -58 960
13	9.7E	8.2H	39 42.048	-0.0024	12	-51 0 19.26	0.004	12	0.71	42.163	45	03.2	19.45	45	03.2	K5		CZ	4759	P -50 1341
14		6.8T	39 44.092	-0.0012	12	-54 35 21.52	0.022	08	0.55	44.150	21	02.7	22.71	18	95.7	A5		GC	10361	P -54 1348
15		8.0T	39 56.788	-0.0025	13	-58 45 9.82	0.008	10	0.56	56.906	18	05.1	10.19	17	02.1	B8		GC	10367	P -58 963
16	9.3	9.3W	40 5.282	-0.0015	06	-52 12 26.96	-0.010	06	0.18	5.300	15	38.1	26.85	18	38.1	A2		C9	2684	P -52 1249
17	9.6	9.4W	40 9.877	-0.0036	06	-52 12 58.09	-0.004	06	0.18	9.920	15	38.1	58.05	18	38.1	A2		C9	2685	P -52 1250
18		8.0T	40 15.765	-0.0019	16	-53 4 33.41	0.018	13	0.69	15.851	21	05.6	34.23	21	04.2	B2		GC	10375	P -52 1251
19		7.9T	40 28.514	0.0019	13	-59 53 1.17	0.000	10	0.57	28.421	19	05.2	1.19	18	01.0	A0		GC	10380K	P*-59 873
20	10.6	9.3W	40 41.935	0.0025	09	-56 44 31.93	-0.006	09	0.14	41.926	14	46.2	31.91	14	46.2	G5	O	C0	1993	P -56 1405
21		6.8T	40 44.603	-0.0024	12	-56 11 45.60	0.013	08	0.56	44.734	21	00.6	46.35	18	94.2	B8		GC	10386	P -56 1404
22	10.3	9.3W	40 45.784	-0.0007	06	-56 16 59.42	0.019	06	0.14	45.787	14	46.2	59.50	14	46.2	G5	O	C0	1995	P -56 1406
23	8.5	8.7W	40 47.884	0.0020	07	-54 17 55.15	-0.000	07	0.18	47.860	15	38.1	55.15	18	38.1	B8		C9	2688	P -54 1355
24	9.5E	9.7H	40 49.898	-0.0012	12	-50 16 37.94	0.001	12	0.71	49.954	45	03.2	37.98	45	03.2	A0		CZ	4772	P -50 1347
25	8.9	8.9W	40 54.427	-0.0032	07	-55 23 28.17	0.009	07	0.18	54.465	15	38.1	28.27	18	38.1	A3		C9	2689	P -55 1316
26	9.3	8.9W	41 0.679	0.0058	06	-52 38 59.09	-0.138	06	0.18	0.610	15	38.1	57.44	18	38.1	F8		C9	2690	P -52 1257
27	10.4		41 1.722	-0.0034	13	-57 51 6.23	-0.005	13	0.15	1.735	14	46.2	6.21	14	46.2	A2	O	C0	1996	P -57 1301
28		6.9T	41 4.495	-0.0011	11	-55 3 33.92	0.016	09	0.52	4.552	18	05.6	34.75	18	99.3	B8		GC	10393	P -54 1356
29	10.2	9.3W	41 7.233	0.0022	11	-57 54 5.97	0.010	11	0.15	7.225	14	46.2	6.01	14	46.2	G5	O	C0	1997	P -57 1302
30		6.4T	41 15.269	-0.0014	07	-58 30 41.26	0.006	06	0.31	15.328	14	10.2	41.51	14	06.5	B8		GC	10397	P*-58 967
31	10.5	9.4W	41 18.522	0.0012	13	-56 21 8.54	-0.013	13	0.15	18.517	14	46.2	8.49	14	46.2	G5	O	C0	1999	P -56 1409
32		7.2T	41 19.870	-0.0013	12	-56 1 35.59	-0.004	09	0.57	19.945	21	01.3	35.39	18	94.8	B9		GC	10399	P -55 1319
33	9.6	9.9W	41 20.631	0.0041	13	-58 27 50.62	0.024	13	0.15	20.615	14	46.2	50.71	14	46.2	A0	O	C0	2001	P -58 968
34		7.5T	41 26.070	-0.0009	07	-58 33 1.03	-0.003	05	0.30	26.112	14	09.3	0.87	12	02.5	B9		GC	10404K	P*-58 969
35	9.2	9.0W	41 35.963	-0.0053	06	-59 19 18.13	0.020	06	0.14	35.983	14	46.2	18.21	14	46.2	F5		C0	2003	P*-59 881
36		7.0T	41 44.037	-0.0060	12	-59 10 45.01	0.178	10	0.57	44.344	19	02.8	54.12	18	98.7	G0		GC	10414	P -59 883
37		7.6T	41 44.506	-0.0008	13	-55 11 33.50	0.008	10	0.60	44.548	21	04.3	33.91	19	98.5	B5		GC	10415	P -55 1320
38	10.4	9.4W	41 48.926	0.0003	07	-57 36 45.48	-0.019	07	0.14	48.925	14	46.2	45.41	14	46.2	G8	O	C0	2005	P -57 1303
39	9.8	9.6W	41 49.847	-0.0016	09	-59 2 46.07	-0.016	09	0.14	49.853	14	46.2	46.01	14	46.2	A1	O	C0	2006	P -58 971
40		6.2T	41 56.840	-0.0040	11	-58 6 36.88	0.032	07	0.49	57.057	19	03.5	38.59	17	96.4	K0		GC	10423	P -57 1305
41	9.1	9.3W	42 5.393	-0.0025	06	-58 31 53.92	-0.002	06	0.14	5.403	14	46.2	53.91	14	46.2	A0		C0	2008	P -58 974
42		6.6T	42 5.417	-0.0070	14	-52 2 43.40	0.167	13	0.71	5.767	18	00.2	52.05	17	98.3	G0		GC	10431	C -51 2650
43	9.7	9.2W	42 8.129	0.0007	15	-52 23 16.00	0.004	15	0.24	8.120	15	38.1	16.05	18	38.1	G5		C9	2695	P -52 1259
44		9.3T	42 13.207	-0.0044	16	-53 57 17.16	-0.006	13	0.75	13.413	22	02.8	16.86	21	99.6	K5		GC	10436	P -53 1417
45	9.4	9.5W	42 18.558	0.0015	07	-52 47 54.41	-0.006	07	0.18	18.540	15	38.1	54.34	18	38.1	A2		C9	2697	P -52 1262
46		6.9T	42 19.227	-0.0015	13	-54 7 14.81	-0.002	11	0.64	19.296	21	02.6	14.71	19	97.2	G5		GC	10439	P -53 1418
47	9.5	9.8W	42 24.051	-0.0002	09	-59 42 10.36	-0.013	09	0.14	24.052	14	46.2	10.31	14	46.2	A0		C0	2009	P -59 887
48	10.5		42 25.489	0.0041	15	-53 36 23.30	0.055	15	0.24	25.440	15	38.1	23.95	18	38.1	G0		C9	2699	P -53 1420
49		8.5T	42 25.588	-0.0029	13	-52 43 7.27	-0.003	10	0.60	25.728	21	02.4	7.12	18	97.1	B5		GC	10442	P -52 1264
50	9.7	9.6W	42 26.416	-0.0023	06	-58 23 11.47	0.011	06	0.14	26.425	14	46.2	11.51	14	46.2	F9	O	C0	2010	P -58 975
51	9.2E	9.0Z	7 42 28.742	-0.0010	12	-50 14 8.15	0.020	12	0.71	28.788	45	03.2	9.08	45	03.2			CZ	4801	P -50 1351
52	10.8	9.6W	42 30.832	0.0017	09	-57 47 59.33	-0.006	09	0.14	30.825	14	46.2	59.31	14	46.2	K0	O	C0	2011	P -57 1308
53	9.5	8.3W	42 32.140	-0.0001	07	-52 5 6.03	-0.007	07	0.18	32.140	15	38.1	5.95	18	38.1	K0		C9	2701	P -51 1268
54	10.6		42 33.900	-0.0015	13	-56 44 31.81	-0.000	13	0.15	33.906	14	46.2	31.81	14	46.2	A0	O	C0	2012	P -56 1414
55	9.8E	10.2H	42 39.383	0.0004	12	-50 51 5.07	0.057	12	0.65	39.361	31	01.8	7.82	28	01.8	G0		CZ	4805	P -50 1353
56	10.0	8.3W	42 39.916	0.0001	07	-55 25 40.77	0.009	07	0.18	39.915	15	38.1	40.87	18	38.1	K5		C9	2702	P -55 1321
57	9.8	8.6W	42 46.840	-0.0000	07	-52 32 33.63	0.043	07	0.18	46.840	15	38.1	34.14	18	38.1	K2		C9	2703	P -52 1266
58		6.7T	42 51.984	-0.0131	08	-50 20 13.64	0.142	07	0.36	52.549	15	06.9	20.28	15	03.1	F5		GC	10451K	C -50 2947
59	9.0	9.2W	42 54.379	0.0011	07	-57 39 5.97	0.010	07	0.14	54.375	14	46.2	6.01	14	46.2	A0		C0	2013	P -57 1309
60	9.4	9.4W	42 54.447	0.0023	13	-52 39 53.17	-0.002	13	0.23	54.420	15	38.1	53.14	18	38.1	A3		C9	2704	P -52 1267
61	9.7	8.7W	42 55.383	-0.0006	06	-58 20 52.59	0.006	06	0.14	55.385	14	46.2	52.61	14	46.2	K0	O	C0	2014	P -58 977
62		7.9Q	42 56.078	-0.0110	14	-50 20 48.61	0.143	10	0.65	56.609	22	01.8	56.35	21	95.7	G0		GC	10452K	C -50 2948
63	10.1		42 57.542	0.0019	15	-53 55 55.74	0.010	15	0.24	57.520	15	38.1	55.85	18	38.1	A0		C9	2705	P -53 1424
64	8.6E	8.2H	42 58.494	-0.0015	12	-51 39 48.16	-0.018	12	0.66	58.569	31	01.2	47.26	31	01.2	G5		CZ	4811	P -51 1269
65	9.9	9.8W	43 0.561	0.0035	15	-54 52 59.96	0.009	15	0.24	0.520	15	38.1	+ 0.06	18	38.1	F0		C9	2706	P -54 1367
66	9.8	8.9W	43 3.867	-0.0036	07	-53 1 37.23	-0.024	07	0.18	3.910	15	38.1	36.95	18	38.1	K0		C9	2707	P -52 1269
67	10.6	9.4W	43 5.045	-0.0001	09	-56 37 34.47	0.011	09	0.14	5.046	14	46.2	34.51	14	46.2	G8	O	C0	2015	P -56 1416
68	9.5E	9.8H	43 5.609	-0.0020	12	-51 38 33.78	0.029	12	0.82	5.704	63	03.2	35.12	57	03.2	F5		CZ	4814	P -51 1271
69	9.4E	9.5Z	43 11.945	-0.0006	12	-50 15 41.60	-0.023	12	0.67	11.972	36	03.1	40.52	36	03.1			CZ	4816	P -50 1358
70	9.9	9.5W	43 13.307	-0.0012	07	-59 54 17.28	0.008	07	0.14	13.312	14	46.2	17.31	14	46.2	A		C0	2016	P -59 891
71	9.7E	10.0H	43 17.244	-0.0008	12	-50 45 5.99	-0.002	12	0.67	17.284	36	03.1	5.90	36	03.1	A0		CZ	4819	P -50 1360
72	9.2	8.4W	43 18.889	0.0011	06	-58 20 40.39	0.031	06	0.14	18.885	14	46.2	40.51	14	46.2	K0		C0	2017	P -58 980
73	10.7	9.0W	43 21.161	-0.0004	07	-58 32 12.50	0.028	07	0.14	21.163	14	46.2	12.61	14	46.2	M0	O	C0	2018	P -58 981
74	9.9	8.9W	43 21.205	-0.0026	06	-57 49 26.15	-0.010	06	0.14	21.215	14	46.2	26.11	14	46.2	G4	O	C0	2019	P -57 1311
75	9.6E	9.8H	43 24.810	-0.0021	12	-51 32 31.65	0.011	12	0.82	24.909	63	03.2	32.17	57	03.2	F0		CZ	4822	P -51 1276
76	9.4	7.7W	43 31.375	0.0004	07	-54 31 4.92	0.021	07	0.18	31.370	15	38.1	5.16	18	38.1	K5		C9	2708	P -54 1369
77		8.3T	43 36.111	-0.0018	12	-56 35 11.52	0.010	12	0.64	36.202	24	01.6	12.04	22	00.6	A0		GC	10466	P -56 1418
78		8.5T	43 39.169	-0.0022	16	-52 50 1.34	0.003	12	0.68	39.270	22	04.9	1.48	21	02.2	B5		GC	10470	P -52 1273
79	9.9	8.7W	43 42.787	0.0010	07	-59 23 0.72	-0.002	07	0.14	42.783	14	46.2	0.71	14	46.2	K0		C0	2022	P -59 892
80		7.5T	43 45.628	0.0020	13	-50 9 55.79	0.019	12	0.68	45.527	21	99.4	56.79	19	96.3	F2		GC	10476K	C -49 3044
81	9.7E	9.8H	43 49.581	-0.0017	12	-50 30 27.24	0.006	12	0.71	49.663	45	03.1	27.51	45	03.1	F2		CZ	4831	P -50 1362
82	10.0	9.6W	43 53.448	0.0008	07	-58 9 53.27	0.063	07	0.14	53.445	14	46.2	53.51	14	46.2	F8	O	C0	2023	P -57 1315
83	10.1	10.0W	44 1.963	-0.0006	09	-57 57 52.76	-0.013	09	0.14	1.965	14	46.2	52.71	14	46.2	A2	O	C0	2024	P -57 1316
84	8.7	9.1W	44 5.056	0.0006	06	-58 49 58.30	0.003	06	0.14	5.053	14	46.2	58.31	14	46.2	B9		C0	2025	P -58 984
85	9.6E	8.6H	44 10.462	-0.0027	12	-51 14 46.89	0.003	12	0.82	10.587	63	03.2	47.03	57	03.2	G5		CZ	4841	P -51 1280
86	10.0	9.8W	44 12.335	-0.0034	07	-55 3 12.79	0.007	07	0.18	12.375	15	38.1	12.87	18	38.1	F8		C9	2710	P -54 1373
87	10.6		44 13.067	-0.0061	15	-54 43 24.37	0.075	15	0.24	13.140	15	38.1	25.26	18	38.1	F8	O	C9	2711	P -54 1372
88	10.5		44 29.596	-0.0024	15	-55 56 36.81	0.072	15	0.24	29.625	15	38.1	37.67	18	38.1	A1	O	C9	2712	P -55 1327
89	9.0	9.2W	44 31.961	-0.0019	08	-55 33 27.98	0.033	08	0.19	31.984	15	38.1	28.37	18	38.1	B9		C9	2713	P -55 1328
90		6.4T	44 32.936	0.0004	09	-56 35 57.98	0.015	09	0.46	32.918	18	04.0	58.75	18	99.9	F0		GC	10491K	P -56 1420
91	9.6	9.7W	44 35.933	-0.0014	15	-54 45 58.16	0.051	15	0.24	35.950	15	38.1	58.76	18	38.1	B9		C9	2714	P -54 1375
92		8.1T	44 36.871	-0.0024	13	-58 49 54.19	0.011	12	0.61	36.980	18	06.2	54.67	18	04.4	K5		GC	10492K	P*-58 986
93	9.9	10.0W	44 41.613	-0.0086	15	-55 11 31.22	-0.021	15	0.24	41.715	15	38.1	30.97	18	38.1	F5		C9	2715	P -55 1331
94		7.3T	44 50.595	-0.0021	12	-51 25 37.35	0.005	09	0.54	50.688	18	04.8	37.59	18	98.4	F8		GC	10498	C -51 2684
95	10.0	9.8W	44 52.409	-0.0041	09	-58 28 30.16	0.013	09	0.14	52.425	14	46.2	30.21	14	46.2	A4	O	C0	2029	P -58 987
96	9.0	9.3W	44 55.517	-0.0026	07	-56 4 11.23	0.018	07	0.14	55.527	14	46.2	11.29	14	46.2	A0		C0	2030	P -55 1332
97	10.1	9.3W	44 59.782	-0.0029	11	-58 39 30.87	-0.016	11	0.15	59.793	14	46.2	30.81	14	46.2	G5	O	C0	2031	P -58 988
98	9.5	7.8W	45 1.376	-0.0025	07	-57 6 54.41	0.027	07	0.14	1.386	14	46.2	54.51	14	46.2	K2		C0	2032	P -58 1426
99	10.2	9.8W	45 3.777	-0.0048	15	-55 32 5.46	0.018	15	0.24	3.834	15	38.1	5.67	18	38.1	F2		C9	2717	P -55 1334
00		7.5T	45 19.933	-0.0062	14	-50 52 26.10	0.036	12	0.70	20.235	19	01.0	27.95	18	98.3	A2		GC	10505	C -50 2971

235500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.3	9.2W	7 45 20.464	0.0020	07	-57 7 58.60	0.002	07	0.14	20.456	14	46.2	58.61	14	46.2	F5	C0	2033	F -56 1429
2	9.3	9.5W	45 21.731	-0.0015	07	-56 13 53.59	0.002	07	0.14	21.737	14	46.2	53.59	14	46.2	A0	C0	2034	F -56 1428
3	8.8	8.1W	45 24.107	-0.0091	07	-59 41 31.87	0.142	07	0.14	24.142	14	46.2	32.41	14	46.2	G5	C0	2035	F -59 897
4	8.9	8.3W	45 26.176	-0.0092	07	-59 41 15.27	0.141	07	0.14	26.212	14	46.2	15.81	14	46.2	G5	C0	2036	F -59 898
5		7.5T	45 33.124	-0.0012	13	-58 57 55.27	0.018	11	0.61	33.182	19	04.3	56.13	18	01.0	F8	GC	10616	F -58 999
6	10.4		45 33.237	0.0031	13	-53 43 33.29	0.006	13	0.23	33.200	15	38.1	33.35	18	36.1	A0	C9	2718	F -53 1429
7		7.2T	45 35.600	-0.0009	13	-50 3 35.64	0.005	12	0.68	35.645	17	00.1	35.88	17	98.3	B5	GC	10520	C*-49 3062
8		7.1T	45 40.378	-0.0017	13	-52 13 20.43	0.023	12	0.68	40.463	22	00.6	21.67	21	96.6	B9	GC	10525	F -52 1278
9		9.3T	45 43.184	-0.0090	26	-54 59 17.33	-0.013	16	0.95	43.563	22	08.0	16.73	21	03.8	A3	GC	10526	F -54 1381
10		9.1T	45 45.787	0.0024	18	-51 2 27.44	0.009	20	0.89	45.678	24	05.2	27.83	24	04.9	K5	GC	10527	C -50 2976
11	9.0E	9.2H	45 58.484	-0.0002	12	-50 46 29.46	0.006	12	0.71	58.496	45	03.1	29.74	45	03.1	A5	CZ	4877	F -50 1379
12	9.8	9.5W	45 58.882	-0.0023	15	-53 18 41.23	-0.041	15	0.24	58.910	15	38.1	40.74	18	38.1	F2	C9	2721	F -53 1430
13		8.0T	45 59.761	0.0008	10	-58 46 55.48	0.010	08	0.52	59.716	19	01.0	56.01	18	95.4	B9	GC	10531	F -58 992
14	9.9E	9.6Z	46 7.927	0.0025	12	-50 19 5.46	0.006	12	0.71	7.810	45	03.1	5.73	45	03.1		CZ	4879	F -50 1380
15		7.6T	46 9.852	-0.0006	15	-53 12 27.60	-0.009	11	0.65	9.881	21	04.6	27.14	19	99.1	B9	GC	10538K	F -53 1432
16	9.0	9.1W	46 15.201	-0.0005	06	-58 56 57.80	0.002	06	0.14	15.203	14	46.2	57.81	14	46.2	F0	C0	2039	F -58 993
17	9.9	9.6W	46 15.769	-0.0018	07	-57 8 33.09	0.032	07	0.14	15.776	14	46.2	33.21	14	46.2	F8	C0	2040	F -56 1433
18	9.7	9.9W	46 18.878	-0.0015	07	-58 57 13.97	0.009	07	0.14	18.883	14	46.2	14.01	14	46.2	F0	C0	2041	F -58 994
19	9.1	9.1W	46 23.349	-0.0001	07	-53 3 0.20	0.004	07	0.18	23.350	15	38.1	0.24	18	38.1	B9	C9	2723	F -52 1283
20	9.1	8.9W	46 23.891	-0.0010	06	-57 51 50.16	-0.039	06	0.14	23.895	14	46.2	50.01	14	46.2	F5	C0	2042	F -57 1324
21	8.7	8.1W	46 37.832	0.0178	07	-54 8 4.00	-0.264	07	0.18	37.620	15	38.1	0.85	18	38.1	G5	C9	2725	F -53 1433
22	8.8E	8.9H	46 38.150	-0.0007	12	-51 31 50.35	-0.001	12	0.82	38.184	63	03.2	50.30	57	03.2	B8	CZ	4894	F -51 1299
23	9.5	9.4W	46 44.361	-0.0024	07	-52 54 48.38	-0.020	07	0.18	44.390	15	38.1	48.14	18	38.1	F5	C9	2726	F -52 1286
24	10.4	9.8W	46 45.229	-0.0010	08	-59 2 20.41	-0.026	08	0.14	45.233	14	46.2	20.31	14	46.2	G5	C0	2043	F -58 997
25	8.8	8.9W	46 49.278	0.0007	09	-58 24 22.31	-0.027	09	0.14	49.275	14	46.2	22.21	14	46.2	A2	C0	2044	F*-58 998
26	9.2	8.9W	46 54.376	0.0005	07	-54 17 33.97	0.058	07	0.18	54.370	15	38.1	34.65	18	38.1	G0	C9	2727	F -54 1388
27	10.0		46 59.306	-0.0028	13	-52 14 52.19	-0.004	13	0.23	59.340	15	38.1	52.15	18	38.1	A0	C9	2728	F -52 1287
28	9.7E	10.0H	47 4.792	-0.0009	12	-50 24 36.78	0.038	12	0.71	4.833	45	03.1	38.55	45	03.1	F0	CZ	4902	F -50 1386
29		6.7T	47 5.365	0.0018	12	-54 35 16.52	0.010	11	0.62	5.278	21	01.0	17.05	18	96.6	K0	GC	10559	F -54 1389
30	9.1	8.9W	47 9.183	-0.0026	07	-55 31 44.88	-0.001	07	0.18	9.214	15	38.1	44.87	18	38.1	F2	C9	2730	F -55 1347
31	9.0	8.7W	47 11.486	-0.0040	09	-59 46 45.99	0.003	09	0.14	11.502	14	46.2	46.01	14	46.2	F5	C0	2047	F -59 901
32		6.2T	47 15.312	-0.0033	09	-56 20 42.09	0.002	07	0.49	15.514	19	96.1	42.24	18	89.7	+++	GC	10563	F*-56 1437
33	10.4E	9.8Z	47 16.823	-0.0017	12	-51 53 47.86	0.025	12	0.66	16.908	31	01.2	49.06	31	01.2		CZ	4908	F -51 1305
34		7.4T	47 18.018	-0.0006	14	-52 33 29.14	0.007	12	0.66	18.048	21	03.7	29.49	19	00.3	A2	GC	10564	F -52 1290
35	10.5		47 23.144	0.0029	11	-58 35 32.79	0.005	11	0.15	23.133	14	46.2	32.81	14	46.2	A1	C0	2049	F -58 1003
36	9.2E	10.0H	47 32.154	0.0000	12	-50 16 41.24	0.006	12	0.71	32.153	45	03.1	41.52	45	03.1	A0	CZ	4912	F -50 1389
37	9.5	9.0W	47 44.863	-0.0093	13	-55 52 53.56	0.035	13	0.15	44.937	14	46.2	53.70	14	46.2	G0	C0	2051	F -55 1352
38	9.9	10.0W	47 46.990	-0.0029	07	-59 54 28.04	-0.008	07	0.14	47.002	14	46.2	28.01	14	46.2	A1	C0	2052	F -59 905
39		5.5T	48 2.316	-0.0006	07	-56 17 0.61	0.006	06	0.30	2.346	14	11.0	0.90	14	04.8	K0	GC	10589K	F -56 1442
40		7.4T	48 18.004	-0.0001	10	-54 41 1.04	-0.068	09	0.55	18.010	19	99.2	-57.28	18	94.7	G5	GC	10596	F -54 1397
41		7.9T	48 18.974	0.0031	13	-54 37 39.99	-0.042	11	0.63	18.826	21	01.8	37.79	19	97.7	K0	GC	10597	F -54 1396
42		8.7T	48 19.975	-0.0068	12	-54 46 27.66	0.069	10	0.59	20.295	21	02.3	31.23	19	98.3	F8	GC	10600	F -54 1398
43		7.2T	48 29.678	-0.0035	13	-54 57 4.19	0.012	10	0.60	29.843	21	03.3	4.81	19	98.0	A0	GC	10604K	F*-54 1401
44	9.5	8.6W	48 29.990	-0.0008	07	-54 35 24.74	0.010	07	0.18	30.000	15	38.1	24.86	18	38.1	K0	C9	2738	F -54 1400
45		7.6T	48 31.143	0.0405	13	-59 15 1.74	-0.219	13	0.61	29.377	18	07.3	-52.17	18	06.4	G5	GC	10605	F -59 907
46	9.3	9.5W	48 32.015	-0.0021	06	-52 31 26.74	0.017	06	0.18	32.040	15	38.1	26.94	18	38.1	A0	C9	2739	F -52 1300
47	9.5E	8.2H	48 34.257	-0.0005	12	-50 41 25.05	-0.016	12	0.65	34.282	31	01.8	24.28	28	01.8	K2	CZ	4928	F -50 1392
48	8.3	8.4W	48 35.555	-0.0008	08	-55 50 12.52	0.004	08	0.19	35.564	15	38.1	12.57	18	38.1	A	C9	2740	F -55 1361
49	9.7E	10.5H	48 42.786	0.0002	12	-50 25 18.06	-0.003	12	0.71	42.776	45	03.1	17.92	45	03.1	A2	CZ	4933	F -50 1393
50	9.4E	9.6H	48 49.524	-0.0005	12	-50 1 14.99	0.033	12	0.71	49.547	45	03.6	16.52	45	03.6	G	CZ	4934	F -49 1382
51	8.8	9.1W	7 49 1.765	-0.0001	06	-58 27 13.12	-0.004	06	0.14	1.765	14	46.2	13.11	14	46.2	B9	C0	2056	F -58 1008
52		5.8T	49 2.255	-0.0067	08	-50 22 50.48	-0.050	06	0.29	2.496	12	14.0	48.45	10	09.7	K5	GC	10618	C -50 3004
53		6.7T	49 3.858	0.0000	12	-59 55 23.96	0.019	11	0.55	3.858	18	06.1	24.87	18	03.0	K0	GC	10620	F*-59 910
54	10.2		49 7.971	0.0012	13	-56 32 40.22	-0.029	13	0.15	7.966	14	46.2	40.11	14	46.2	A5	C0	2058	F -56 1446
55	8.9	8.7W	49 18.595	-0.0006	07	-56 11 50.46	0.035	07	0.14	18.597	14	46.2	50.60	14	46.2	F2	C0	2059	F -56 1447
56	9.2	9.2W	49 23.356	-0.0050	07	-55 27 15.31	0.047	07	0.18	23.415	15	38.1	15.87	18	38.1	F5	C9	2741	F -55 1363
57	9.3	8.4W	49 24.209	0.0013	07	-55 30 47.49	0.024	07	0.18	24.194	15	38.1	47.77	18	38.1	K0	C9	2742	F -55 1364
58	9.4	9.4W	49 29.695	-0.0025	13	-55 7 58.16	0.043	13	0.23	29.725	15	38.1	58.67	18	38.1	A2	C9	2743	F -54 1409
59	9.8	10.0W	49 38.586	-0.0014	09	-59 53 48.44	-0.007	09	0.14	38.592	14	46.2	48.41	14	46.2		C0	2060	F -59 913
60	10.1	9.8W	49 42.411	-0.0071	15	-55 18 54.53	0.062	15	0.24	42.495	15	38.1	55.28	18	38.1	F9	C9	2744	F -55 1365
61	9.7E	8.6H	49 59.407	0.0002	12	-50 18 6.16	-0.004	12	0.71	59.397	45	03.7	5.97	45	03.7	K5	CZ	4957	F -50 1398
62		7.3T	50 4.008	-0.0000	10	-59 31 2.99	-0.018	09	0.48	4.008	18	05.3	2.11	17	00.3	B9	GC	10643	F -59 916
63	10.0	9.1W	50 4.575	-0.0020	11	-59 3 5.79	0.004	11	0.15	4.583	14	46.2	5.81	14	46.2	K0	C0	2062	F -58 1011
64	9.7E	9.2H	50 7.004	-0.0019	12	-50 25 21.39	0.017	12	0.71	7.091	45	03.7	22.18	45	03.7	K0	CZ	4960	F -50 1399
65	9.3	8.2W	50 10.095	0.0013	06	-53 39 47.61	-0.005	06	0.18	10.080	15	38.1	47.55	18	38.1	K0	C9	2745	F -53 1449
66	9.8	9.4W	50 14.054	-0.0085	15	-55 17 32.88	0.100	15	0.24	14.155	15	38.1	34.07	18	38.1	G0	C9	2746	F -55 1369
67	9.7E	9.5Z	50 19.408	-0.0007	12	-50 15 59.43	0.018	12	0.71	19.440	45	03.7	+ 0.26	45	03.7		CZ	4965	F -50 1400
68	10.1	9.5W	50 29.104	-0.0022	07	-53 43.37	0.006	07	0.18	29.130	15	38.1	43.44	18	38.1	G0	C9	2747	F -53 1454
69	9.7	8.8W	50 34.767	0.0040	07	-54 41 22.29	-0.036	07	0.18	34.720	15	38.1	21.86	18	38.1	K0	C9	2748	F -54 1416
70	9.1	9.3W	50 37.618	-0.0036	07	-59 31 44.11	-0.000	07	0.14	37.632	14	46.2	44.11	14	46.2	A0	C0	2063	F -59 917
71	10.2	9.8W	50 39.857	0.0030	09	-57 44 15.85	-0.036	09	0.14	39.845	14	46.2	15.71	14	46.2	F2	C0	2064	F -57 1332
72		7.4T	50 41.271	-0.0017	12	-55 34 22.26	0.007	10	0.53	41.357	18	07.2	22.63	18	00.1	K0	GC	10658	F -55 1372
73	9.5	9.7W	50 42.667	-0.0011	13	-53 11 44.67	0.015	13	0.23	42.680	15	38.1	44.84	18	38.1	A0	C9	2750	F -53 1457
74	9.7	9.3W	50 47.918	-0.0040	09	-58 31 25.57	0.115	09	0.14	47.933	14	46.2	26.01	14	46.2	G5	C0	2065	F -58 1012
75	10.3	9.8W	50 59.262	-0.0036	09	-57 1 3.50	-0.076	09	0.14	59.276	14	46.2	3.21	14	46.2	G0	C0	2066	F -56 1452
76	9.5E	9.2H	51 2.785	0.0007	12	-51 41 2.16	-0.030	12	0.81	2.755	63	04.2	0.76	57	04.2	F8	CZ	4982	F -51 1315
77	9.8	9.9W	51 5.202	-0.0002	08	-58 52 6.73	0.021	08	0.14	5.203	14	46.2	6.81	14	46.2	A0	C0	2067	F -58 1013
78	9.4	9.7W	51 17.344	-0.0030	15	-54 3 34.44	0.018	15	0.24	17.380	15	38.1	34.65	18	38.1	A0	C9	2751	F -53 1461
79		5.8T	51 18.144	-0.0007	07	-54 14 12.09	0.003	08	0.33	18.170	14	11.4	12.21	14	09.3	B3	GC	10673	F -54 1420
80	10.2		51 18.721	-0.0016	13	-52 51 24.47	0.015	13	0.23	18.740	15	38.1	24.64	18	38.1	A0	C9	2753	F -52 1311
81	9.3	9.4W	51 18.802	0.0019	07	-53 51 26.69	0.014	07	0.18	18.780	15	38.1	26.85	18	38.1	A0	C9	2754	F -53 1460
82		7.4T	51 19.974	-0.0018	13	-59 28 59.97	0.003	11	0.58	20.060	19	05.3	+ 0.10	18	01.6	B9	GC	10674K	F*-59 921
83	10.2		51 26.386	-0.0045	15	-54 23 32.78	0.006	15	0.24	26.440	15	38.1	32.85	18	38.1	A0	C9	2755	F -54 1421
84		7.2T	51 27.853	-0.0018	12	-50 23 26.06	0.021	10	0.61	27.943	17	00.2	27.16	18	96.4	B3	GC	10677	C*-50 3022
85		7.8T	51 28.576	0.0004	14	-59 21 44.81	0.022	12	0.57	28.558	18	08.8	45.71	18	08.3	A0	GC	10678	F -59 922
86	8.9	9.0W	51 31.439	-0.0035	07	-52 19 39.81	0.003	07	0.18	31.480	15	38.1	39.85	18	38.1	A2	C9	2756	F -52 1312
87	10.0		51 33.183	-0.0006	07	-52 56 21.95	0.016	07	0.18	33.190	15	38.1	22.14	18	38.1	A	C9	2757	F -52 1313
88	7.1	7.4W	51 35.191	0.0001	06	-52 50 26.60	0.012	06	0.18	35.190	15	38.1	26.74	18	38.1	B9	C9	2758	F -52 1315
89	9.5	9.6W	51 35.362	0.0001	09	-59 46 56.19	-0.021	09	0.14	35.362	14	46.2	56.11	14	46.2	A	C0	2070	F -59 923
90	9.7	9.3W	51 38.313	-0.0001	07	-55 34 46.49	-0.010	07	0.18	38.314	15	38.1	46.37	18	38.1	F6	C9	2759	F -55 1376
91	9.2	9.6W	51 38.961	0.0009	07	-52 52 57.92	0.002	07	0.18	38.950	15	38.1	57.94	18	38.1	A0	C9	2760	F -52 1316
92	10.4	9.9W	51 46.059	-0.0009	14	-52 0 8.74	-0.008	14	0.24	46.070	15	38.1	8.65	18	38.1	A5	C9	2761	F -51 1321
93	8.8	7.7W	51 49.007	0.0006	07	-52 32 37.28	0.014	07	0.18	49.000	15	38.1	37.44	18	38.1	K0	C9	2762	F -52 1319
94	9.4	9.2W	51 59.511	-0.0029	13	-59 42 21.31	0.027	13	0.15	59.522	14	46.2	21.41	14	46.2	A	C0	2072	F -59 925
95	9.8	9.6W	52 4.027	0.0099	15	-52 31 21.45	0.008	15	0.24	3.910	15	38.1	21.54	18	38.1	F8	C9	2763	F -52 1324
96	9.3	9.6W	52 10.808	-0.0012	09	-59 16 59.94	-0.009	09	0.14	10.813	14	46.2	59.91	14	46.2	A0	C0	2074	F -59 928
97	10.0E	9.6H	52 19.931	-0.0019	12	-50 47 10.97	0.002	12	0.71	20.017	45	03.7	11.06	45	03.7	B9	CZ	5013	F -50 1409
98	9.5	9.8W	52 20.727	-0.0011	07	-52 57 42.38	0.005	07	0.18	20.740	15	38.1	42.44	18	38.1	A0	C9	2764	F -52 1328
99	8.6E	9.0H	52 20.913	-0.0007	12	-50 46 57.20	-0.008	12	0.64	20.949	31	02.2	56.82	28	02.2	B9	CZ	5014	F -50 1410
00	9.0	9.2W	52 36.283	-0.0008	07	-57 13 2.01	-0.001	07	0.14	36.286	14	46.2	2.01	14	46.2	A	C0	2076	F -57 1343

235600 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7T	7 52 54.001	-0.0040	14	-52 7 29.16	-0.004	12	0.71	54.198	22	01.1	28.96	21	97.6	F5	GC	10714	C -51 2757
2	9.2	9.4W	52 54.028	-0.0030	07	-55 32 9.15	0.010	07	0.18	54.064	15	38.1	9.27	18	38.1	A	C9	2766	F -55 1382
3	8.9	9.0W	52 59.855	-0.0001	06	-57 26 35.56	0.012	06	0.14	59.856	14	46.2	35.61	14	46.2	A	C0	2077	F -57 1346
4		7.5T	53 1.102	-0.0001	14	-50 2 17.61	0.002	12	0.70	1.107	19	01.0	17.69	18	98.3	B3	GC	10716	C -49 3165
5	9.9	9.6W	53 4.934	0.0012	07	-53 54 23.49	0.038	07	0.18	4.920	15	38.1	23.85	18	38.1	F0	C9	2767	F -53 1476
6	8.2	7.9W	53 15.493	-0.0058	07	-58 26 26.94	-0.112	07	0.14	15.515	14	46.2	26.51	14	46.2	G0	C0	2078	F -58 1018
7	9.7E	9.5Z	53 16.023	-0.0008	12	-50 28 15.30	-0.003	12	0.71	16.059	45	03.7	15.15	45	03.7		CZ	5032	F -50 1417
8	10.2	10.0W	53 16.042	-0.0015	09	-52 4 58.02	-0.015	09	0.26	16.060	15	38.1	57.85	18	38.1	A2	C9	2768	F -51 1329
9		8.0T	53 27.039	-0.0037	16	-50 25 50.62	0.034	12	0.72	27.216	18	02.2	52.38	21	97.6	F8	GC	10727	C -50 3041
10	9.8		53 34.943	0.0062	15	-54 41 47.16	0.009	15	0.24	34.870	15	38.1	47.26	18	38.1	A	C9	2769	F -54 1434
11	8.9	8.4W	53 39.934	0.0028	07	-58 35 57.46	-0.014	07	0.14	39.923	14	46.2	57.41	14	46.2	G0	C0	2079	F -58 1019
12		6.4T	53 43.315	-0.0013	18	-52 27 0.38	0.016	16	0.79	43.373	22	06.2	1.12	21	04.7	B9	GC	10733	F*-52 1333
13	9.6	9.8W	53 49.549	-0.0007	09	-59 45 54.63	-0.006	09	0.14	49.552	14	46.2	54.61	14	46.2	A	C0	2080	F -59 932
14	9.5	9.6W	53 50.937	-0.0015	07	-55 13 36.58	0.016	07	0.18	50.955	15	38.1	36.77	18	38.1	A	C9	2771	F -55 1388
15		5.5T	53 51.104	-0.0096	06	-57 10 12.10	0.022	05	0.29	51.584	12	05.9	13.22	12	00.3	K2	GC	10735	F*-56 1468
16		7.6T	53 52.393	-0.0053	16	-54 30 29.49	0.012	13	0.70	52.632	22	05.2	30.05	21	03.3	K0	GC	10736	F -54 1435
17		7.1T	53 59.311	-0.0039	11	-52 46 9.15	0.040	10	0.56	59.509	21	99.6	11.30	19	96.1	F2	GC	10738	F -52 1335
18	10.3	9.3W	54 3.396	-0.0023	07	-58 28 0.22	-0.004	07	0.14	3.405	14	46.2	0.21	14	46.2	K5	C0	2082	F -58 1021
19		9.6T	54 8.601	0.0009	17	-53 28 48.36	0.003	18	0.84	8.562	24	04.4	48.49	24	04.4		GC	10745K	F -53 1479
20	9.5	9.4W	54 9.302	-0.0002	07	-55 22 51.16	0.026	07	0.18	9.305	15	38.1	51.47	18	38.1	A	C9	2774	F -55 1392
21		7.9T	54 9.860	0.0002	13	-53 29 20.60	0.012	12	0.64	9.852	21	02.6	21.20	19	99.9	K0	GC	10744K	F -53 1480
22	9.0	9.0W	54 10.981	0.0012	07	-57 27 8.06	0.013	07	0.14	10.976	14	46.2	8.11	14	46.2	A	C0	2083	F -57 1349
23	9.4E	9.1H	54 12.589	-0.0074	12	-50 34 31.38	-0.008	12	0.71	12.933	45	03.7	31.00	45	03.7	G0	CZ	5056	F -50 1423
24	9.4E	9.6H	54 14.396	-0.0008	12	-50 13 11.03	0.001	12	0.71	14.433	45	03.7	11.07	45	03.7	A0	CZ	5058	F -50 1422
25	9.5	8.5W	54 25.307	-0.0011	07	-52 58 47.54	0.025	07	0.18	25.320	15	38.1	47.84	18	38.1	K0	C9	2776	F -52 1337
26	9.6	9.8W	54 31.451	-0.0024	07	-52 36 37.60	-0.022	07	0.18	31.480	15	38.1	37.34	18	38.1	B9	C9	2777	F -52 1338
27	9.8	9.7W	54 41.029	0.0010	13	-56 31 20.86	-0.039	13	0.15	41.026	14	46.2	21.01	14	46.2	A0 ○	C0	2086	F -56 1471
28	9.3E	8.6H	54 43.039	-0.0017	12	-51 31 5.46	-0.030	12	0.65	43.123	31	01.7	4.00	31	01.7	A2	CZ	5073	F -51 1332
29	9.5	9.4W	54 46.855	-0.0004	07	-53 56 54.54	-0.024	07	0.18	46.860	15	38.1	54.25	18	38.1	A2	C9	2778	F*-53 1482
30		6.7T	54 50.871	0.0017	13	-51 12 14.69	0.009	12	0.68	50.784	19	00.4	15.14	18	98.3	K0	GC	10758	C -51 2769
31	9.1	8.1W	54 54.999	-0.0026	07	-54 55 22.99	0.015	07	0.18	55.030	15	38.1	23.16	18	38.1	K0	C9	2779	F -54 1441
32	10.1	9.6W	54 57.737	-0.0122	07	-58 39 55.57	0.010	07	0.14	57.783	14	46.2	55.61	14	46.2	G5	C0	2087	F -58 1025
33		8.3T	55 1.930	-0.0043	20	-54 13 41.55	0.051	16	0.79	2.109	22	08.0	43.74	22	07.9	A0	GC	10760	F -54 1443
34	9.3	9.0W	55 10.311	-0.0049	15	-52 19 29.02	0.027	15	0.24	10.370	15	38.1	29.35	18	38.1	F8	C9	2781	F -52 1342
35		3.6H	55 30.426	-0.0037	02	-52 50 50.75	0.025	02	0.09	30.562	04	13.0	51.76	04	13.0	B3	F4	303	F -52 1343
36	9.7	9.8W	55 44.695	-0.0021	14	-58 57 27.60	0.001	14	0.15	44.703	14	46.2	27.61	14	46.2	A0	C0	2088	F -58 1027
37	9.2	8.3W	55 46.561	-0.0016	07	-56 20 52.94	0.041	07	0.14	46.567	14	46.2	53.10	14	46.2	G5	C0	2089	F -56 1472
38		6.0T	55 54.542	-0.0032	15	-58 59 26.95	-0.021	13	0.65	54.686	19	06.3	25.98	19	04.5	K5	GC	10780	F -58 1028
39		7.4T	55 54.727	0.0020	13	-57 17 42.32	0.024	11	0.61	54.629	21	04.5	43.54	19	00.1	K0	GC	10781	F -57 1354
40	9.6	9.8W	55 55.568	0.0012	14	-59 6 53.15	-0.012	14	0.15	55.563	14	46.2	53.11	14	46.2	A0	C0	2092	F -58 1029
41	10.0	9.5W	55 57.617	0.0030	07	-56 43 38.23	0.022	07	0.14	57.606	14	46.2	38.31	14	46.2	G0 ○	C0	2093	F -56 1473
42	10.4E	10.0H	56 23.953	-0.0021	12	-50 41 10.57	0.019	12	0.64	24.054	31	02.5	11.47	28	02.5	A0	CZ	5120	F -50 1428
43	10.4	9.4W	56 37.839	-0.0005	13	-59 41 14.43	0.020	13	0.15	37.842	14	46.2	14.51	14	46.2	G4 ○	C0	2094	F -59 941
44		7.6T	56 39.944	-0.0006	16	-52 9 26.27	-0.025	12	0.74	39.974	22	02.1	24.99	21	97.8	F8	GC	10796	C -51 2780
45		7.2T	56 40.006	-0.0006	11	-57 20 34.97	0.006	09	0.48	40.036	17	07.3	35.27	15	03.3	A0	GC	10797	F -57 1358
46		6.4T	57 0.761	-0.0053	13	-51 18 44.32	0.033	11	0.67	1.024	22	99.9	46.08	21	96.1	F0	GC	10807	C*-51 2784
47	8.4	8.4W	57 17.203	-0.0026	07	-55 42 31.79	-0.010	07	0.18	17.234	15	38.1	31.67	18	38.1	A5	C9	2784	F -55 1403
48		7.7T	57 18.027	-0.0018	11	-54 25 53.18	-0.042	10	0.57	18.113	21	00.9	50.95	19	97.0	K0	GC	10814	F -54 1453
49	9.7	9.9W	57 24.416	-0.0046	07	-59 17 58.37	0.010	07	0.14	24.433	14	46.2	58.41	14	46.2	A0	C0	2096	F -59 946
50	8.8	7.9W	57 27.558	-0.0010	13	-59 33 38.45	0.016	13	0.15	27.562	14	46.2	38.51	14	46.2	K0	C0	2097	F -59 947
51	10.4		7 57 29.313	-0.0059	13	-56 44 45.23	-0.006	13	0.15	29.336	14	46.2	45.21	14	46.2	A0 ○	C0	2098	F -56 1477
52	8.7	9.0W	57 34.983	0.0005	09	-59 49 28.03	-0.005	09	0.14	34.982	14	46.2	28.01	14	46.2	A0	C0	2014	F -59 948
53	9.4	9.1W	57 43.900	0.0007	07	-55 52 34.10	-0.002	07	0.14	43.897	14	46.2	34.09	14	46.2	A3	C0	2100	F -55 1404
54		9.3T	57 46.934	-0.0019	16	-59 14 9.49	0.003	12	0.66	47.019	19	07.1	9.61	19	04.5	B9	GC	10831	F -59 950
55		7.2T	57 49.279	-0.0011	13	-51 19 41.92	-0.004	11	0.66	49.332	17	99.7	41.68	18	96.3	B9	GC	10835	C -51 2791
56		9.5T	57 50.342	0.0048	16	-59 18 54.19	0.006	13	0.68	50.119	21	06.6	54.45	19	03.8	G5	GC	10838	F -59 951
57	9.6E	9.6H	57 51.722	-0.0031	12	-50 19 20.56	0.015	12	0.70	51.863	45	04.2	21.24	45	04.2	F0	CZ	5157	F -50 1436
58		7.5T	57 52.236	-0.0047	11	-54 24 33.00	0.019	09	0.55	52.461	21	01.8	34.00	18	97.1	K0	GC	10840	F -54 1456
59	10.0	9.2W	57 54.871	-0.0041	07	-52 0 50.32	-0.006	07	0.18	54.920	15	38.1	50.25	18	38.1	K0	C9	2788	F -51 1345
60	8.4	8.6W	57 57.715	-0.0038	06	-52 1 16.93	-0.007	06	0.18	57.760	15	38.1	16.85	18	38.1	A2	C9	2789	F -51 1346
61		7.2T	58 4.221	-0.0032	13	-52 24 19.14	0.009	10	0.61	4.372	21	03.1	19.63	18	97.4	K0	GC	10852	F -52 1355
62	9.4	9.4W	58 8.988	-0.0027	07	-53 8 13.97	0.006	07	0.18	9.020	15	38.1	14.04	18	38.1	A2	C9	2791	F -52 1356
63	9.6	9.8W	58 28.755	-0.0021	07	-52 58 41.97	0.006	07	0.18	28.780	15	38.1	42.04	18	38.1	A0	C9	2792	F -52 1357
64	9.9	9.3W	58 51.119	-0.0037	07	-59 4 23.33	-0.057	07	0.14	51.133	14	46.2	23.11	14	46.2	G5	C0	2105	F -58 1031
65	9.1E	9.6H	58 54.840	-0.0015	12	-50 29 24.76	-0.011	12	0.70	54.908	45	04.2	24.25	45	04.2	B9	CZ	5196	F -50 1444
66	9.5	9.6W	58 56.678	-0.0008	13	-59 49 42.88	0.007	13	0.15	56.682	14	46.2	42.91	14	46.2	A0	C0	2031	F -59 955
67	8.4E	8.6H	58 59.351	-0.0016	12	-50 33 7.79	-0.001	12	0.70	59.425	45	04.2	7.73	45	04.2	B8	CZ	5202	F -50 1447
68	10.0		58 59.633	-0.0005	11	-57 38 1.29	0.005	11	0.15	59.635	14	46.2	1.31	14	46.2	F8 ○	C0	2107	F*-57 1368
69	8.2	7.0W	59 2.045	-0.0025	05	-55 4 38.05	0.027	05	0.18	2.075	15	38.1	38.37	18	38.1	K0	C9	2793	F -54 1465
70	10.1	8.9W	59 5.160	-0.0040	07	-56 47 33.86	0.040	07	0.14	5.176	14	46.2	34.01	14	46.2	K2	C0	2108	F -56 1487
71	10.4	9.4W	59 8.977	-0.0024	09	-57 0 14.26	0.013	09	0.14	8.986	14	46.2	14.31	14	46.2	G3 ○	C0	2109	F -56 1488
72	9.7E	10.0H	59 11.503	-0.0019	12	-50 32 52.50	-0.002	12	0.70	11.592	45	04.2	52.40	45	04.2	A0	CZ	5205	F -50 1451
73	9.5	9.6W	59 14.514	-0.0022	07	-52 12 52.55	0.016	07	0.18	14.540	15	38.1	52.75	18	38.1	B8	C9	2794	F -52 1363
74	10.3E	9.8H	59 23.646	-0.0035	12	-51 3 59.22	0.023	12	0.64	23.815	31	02.5	+ 0.31	28	02.5	F0	CZ	5213	F -50 1453
75		9.2T	59 25.227	-0.0001	15	-50 20 57.46	0.007	13	0.73	25.232	22	01.8	57.79	21	99.5	B8	GC	10886	C*-50 3104
76	10.0E	9.9Z	59 27.524	-0.0013	12	-50 19 0.78	0.018	12	0.70	27.583	45	04.2	1.60	45	04.2		CZ	5214	F -50 1455
77	9.6E	9.8H	59 28.987	-0.0036	12	-50 2 51.08	-0.002	12	0.70	29.151	45	04.2	50.98	45	04.2	F8	CZ	5215	F -49 1459
78	9.4E	8.9H	59 32.129	-0.0041	12	-51 32 41.80	-0.020	12	0.81	32.317	63	04.2	40.88	57	04.2	A2	CZ	5219	F -51 1352
79	9.5	9.6W	59 34.658	0.0014	09	-58 43 39.37	0.009	09	0.14	34.603	14	46.2	39.41	14	46.2	A0	C0	2110	F -58 1034
80		5.9T	59 36.212	-0.0024	07	-54 0 43.13	0.004	06	0.32	36.312	12	07.8	43.32	12	03.5	B8	GC	10889	F*-53 1505
81	8.3	8.2W	59 51.675	-0.0017	07	-59 31 9.29	0.031	07	0.14	51.682	14	46.2	9.41	14	46.2	F0	C0	2111	F -59 956
82	10.4	9.9W	59 51.971	-0.0005	11	-58 41 54.59	0.006	11	0.15	51.973	14	46.2	54.61	14	46.2	A0 ○	C0	2112	F -58 1036
83	8.8	7.5W	59 55.138	-0.0021	07	-57 18 36.79	0.032	07	0.14	55.146	14	46.2	36.91	14	46.2	K2	C0	2113	F -57 1371
84	9.2	9.4W	59 55.586	-0.0051	13	-56 32 41.92	-0.002	13	0.15	55.606	14	46.2	41.91	14	46.2	A0	C0	2114	F -56 1494
85		7.7T	8 0 2.202	0.0005	14	-51 17 59.34	-0.003	13	0.71	2.176	19	01.4	59.17	21	99.0	B9	GC	10901	C -51 2808
86		6.0T	0 10.042	-0.0024	10	-54 22 30.82	0.020	08	0.50	10.159	19	00.4	31.92	18	94.9	B5	GC	10903K	F*-54 1470
87		8.4T	0 11.505	-0.0027	18	-54 23 10.06	0.000	16	0.77	11.618	22	07.6	10.06	22	07.1	B8	GC	10904K	F -54 1471
88		7.4T	0 11.525	-0.0005	12	-50 27 56.87	-0.017	11	0.62	11.551	19	98.9	55.95	18	97.0	B3	GC	10905	C -50 3111
89	8.2	8.4W	0 21.100	-0.0015	07	-56 48 32.24	-0.009	07	0.14	21.106	14	46.2	32.21	14	46.2	B9	C0	2115	F -56 1498
90		6.3T	0 21.519	-0.0022	10	-55 18 52.91	-0.009	08	0.53	21.649	19	98.6	52.40	18	91.4	B8	GC	10910	F -55 1419
91	9.3	8.4W	0 21.906	-0.0037	06	-52 16 59.53	-0.018	06	0.18	21.950	15	38.1	59.75	18	38.1	G5	C9	2799	F -52 1365
92	8.2	8.3W	0 27.215	-0.0026	07	-57 58 43.57	-0.015	07	0.14	27.225	14	46.2	43.51	14	46.2	A0	C0	2116	F -57 1373
93		8.9T	0 40.745	-0.0057	15	-50 23 15.23	0.008	13	0.72	40.079	22	02.7	15.61	22	99.8	B8	GC	10918	C -50 3115
94		6.6T	0 47.352	-0.0045	11	-54 31 20.78	0.060	09	0.56	47.571	21	01.5	24.00	19	96.4	A5	GC	10925	F -54 1475
95	9.6	9.7W	0 56.070	-0.0012	15	-55 33 50.90	-0.002	15	0.24	56.084	15	38.1	50.87	18	38.1	A0 ○	C9	2801	F -55 1423
96		7.5T	0 57.192	-0.0020	12	-55 27 49.12	0.014	11	0.61	57.298	21	01.3	49.88	18	97.5	A0	GC	10929	F -55 1424
97		7.2T	1 2.021	0.0007	13	-51 17 58.89	0.021	12	0.68	1.984	17	00.2	59.97	18	97.8	G5	GC	10933	C -51 2813
98		6.8T	1 5.470	-0.0026	13	-55 23 58.79	-0.010	12	0.65	5.602	21	02.5	58.31	19	99.7	A0	GC	10935	F -55 1425
99	9.6	9.3W	1 10.886	-0.0087	07	-52 19 47.10	0.046	07	0.18	10.990	15	38.1	47.65	18	38.1	G0	C9	2804	F -52 1366
00	9.8		1 16.319	-0.0063	15	-55 2 4.22	0.030	15	0.24	16.386	15	38.1	4.58	18	38.1	A0	C9	2805	F -54 1483

235700 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.8	8.6W	8 1 16.789	-0.0063	15	-55 47 44.03	0.012	15	0.24	16.864	15	38.1	44.17	18	38.1	K2	C9	2806	P -55 1428
2	9.8	8.7W	1 16.917	-0.0036	07	-54 53 44.92	0.054	07	0.18	16.960	15	38.1	45.56	18	38.1	K0	C9	2807	P -54 1482
3	9.9		1 18.001	-0.0091	15	-54 18 6.98	0.023	15	0.24	18.110	15	38.1	7.25	18	38.1	A0	C9	2808	P -54 1479
4	8.3E	9.1H	1 19.337	-0.0018	12	-50 28 45.25	0.018	12	0.66	19.420	36	03.9	46.07	36	03.9	B9	CZ	5266	P -50 1461
5	9.6	8.6W	1 22.985	0.0022	07	-56 9 44.31	-0.005	07	0.14	22.977	14	46.2	44.30	14	46.2	K0	C0	2119	P -55 1429
6	9.6	9.6W	1 24.791	-0.0012	06	-57 41 45.24	-0.007	06	0.14	24.795	14	46.2	45.21	14	46.2	A5	C0	2120	P -57 1382
7	9.1	8.2W	1 25.294	0.0032	07	-59 45 30.06	0.011	07	0.14	25.282	14	46.2	30.11	14	46.2	G5	C0	2121	P -59 964
8	9.6	8.5W	1 25.931	-0.0029	15	-55 6 42.90	0.014	15	0.24	25.965	15	38.1	43.07	18	38.1	K0	C9	2810	P -54 1484
9	9.0	9.3W	1 26.749	-0.0006	07	-59 40 18.61	-0.001	07	0.14	26.752	14	46.2	18.61	14	46.2	B9	C0	2122	P -59 965
10	8.5	8.4W	1 30.924	-0.0038	07	-52 26 2.86	-0.043	07	0.18	30.970	15	38.1	2.35	18	38.1	F0	C9	2811	P -52 1368
11	9.8E	9.5H	1 36.755	-0.0017	12	-50 16 48.12	0.014	12	0.66	36.833	36	03.9	48.75	36	03.9	A0	CZ	5276	P -50 1462
12	10.0	9.9W	1 37.124	-0.0022	11	-53 10 45.39	0.013	11	0.21	37.150	15	38.1	45.54	18	38.1	F0	C9	2812	P -52 1369
13	10.1		1 40.923	0.0082	15	-55 28 51.06	0.001	15	0.24	40.825	15	38.1	51.07	18	38.1	A0	C9	2813	P -55 1431
14	9.0E	9.6H	1 41.715	-0.0032	12	-50 24 12.76	0.020	12	0.71	41.864	45	03.7	13.68	45	03.7	A0	CZ	5278	P -50 1463
15	8.9	9.1W	1 44.889	-0.0001	07	-53 18 17.70	0.004	07	0.18	44.890	15	38.1	17.74	18	38.1	A0	C9	2815	P -53 1516
16	9.9	9.8W	1 48.030	-0.0065	09	-57 30 28.07	0.037	09	0.14	48.055	14	46.2	28.21	14	46.2	F5	C0	2123	P -57 1384
17	8.9E	9.2H	1 54.471	-0.0011	12	-50 11 29.97	0.015	12	0.71	54.522	45	03.7	30.66	45	03.7	B8	CZ	5281	P -49 1478
18	9.2	8.6W	1 56.106	0.0005	07	-53 52 16.25	-0.084	07	0.18	56.100	15	38.1	15.25	18	38.1	G5	C9	2816	P -53 1518
19	9.1	9.0W	1 57.925	-0.0030	07	-56 27 59.73	-0.010	07	0.14	57.937	14	46.2	59.70	14	46.2	F5	C0	2124	P#-56 1505
20	10.4	8.6W	2 5.510	0.0022	09	-55 58 1.00	-0.002	09	0.20	5.484	15	38.1	0.97	18	38.1	K5	C9	2818	P -55 1434
21	9.5	9.7W	2 8.458	0.0017	09	-59 55 40.01	0.001	09	0.14	8.452	14	46.2	40.01	14	46.2	A0	C0	2052	P -59 971
22	10.0	9.9W	2 8.528	-0.0036	13	-59 54 9.81	0.026	13	0.15	8.542	14	46.2	9.91	14	46.2	A0	C0	2127	P -59 972
23	9.3	9.4W	2 26.268	-0.0010	15	-54 2 53.94	0.018	15	0.24	26.280	15	38.1	54.15	18	38.1	A2	C9	2820	P -53 1522
24	9.9E	9.6H	2 36.875	-0.0026	12	-50 43 38.31	0.003	12	0.71	36.993	45	03.7	38.45	45	03.7	A3	CZ	5302	P -50 1471
25	9.7	9.4W	2 48.490	-0.0008	07	-54 33 7.61	0.055	07	0.18	48.500	15	38.1	8.26	18	38.1	G0	C9	2821	P -54 1491
26	9.0	8.7W	2 50.251	-0.0024	07	-54 38 42.89	0.057	07	0.18	50.280	15	38.1	43.56	18	38.1	G0	C9	2822	P -54 1493
27		7.6T	3 0.838	0.0002	14	-54 19 59.42	-0.013	11	0.65	0.827	18	02.7	58.76	19	98.9	K0	GC	10980	P -54 1494
28		8.0T	3 11.160	-0.0034	12	-54 51 7.38	0.018	10	0.59	11.322	21	02.8	8.29	19	99.3	B9	GC	10984	P -54 1495
29	8.7E	8.2H	3 15.523	-0.0025	12	-50 33 5.91	0.023	12	0.71	15.637	45	03.7	6.97	45	03.7	A0	CZ	5313	P -50 1475
30		6.0T	3 18.272	-0.0004	06	-50 26 50.02	-0.013	06	0.27	18.289	12	08.0	49.43	10	06.1	K0	GC	10987	C -50 3138
31	10.2	10.0W	3 23.760	-0.0020	15	-55 38 28.01	0.039	15	0.24	23.784	15	38.1	28.47	18	38.1	F3	C9	2826	P -55 1441
32	9.2	9.5W	3 25.610	-0.0014	07	-57 52 12.12	-0.002	07	0.14	25.615	14	46.2	12.11	14	46.2	A0	C0	2130	P -57 1391
33		7.4T	3 39.037	-0.0049	11	-54 50 45.91	0.059	09	0.57	39.285	19	99.6	49.15	18	95.1	A2	GC	10994K	P#-54 1497
34	9.7	9.9W	3 40.631	-0.0012	07	-56 32 47.54	-0.008	07	0.14	40.636	14	46.2	47.51	14	46.2	A0	C0	2131	P -56 1513
35		5.4T	3 46.107	0.0035	09	-52 57 50.61	-0.006	07	0.33	45.978	12	12.6	50.35	12	07.0	K2	GC	10997	P#-52 1376
36	8.5	8.4W	3 52.922	-0.0009	07	-57 38 11.53	0.020	07	0.14	52.925	14	46.2	11.61	14	46.2	A3	C0	2132	P -57 1393
37	9.6	7.9W	3 58.055	0.0000	07	-58 12 54.82	-0.002	07	0.14	58.055	14	46.2	54.81	14	46.2	K5	C0	2133	P -58 1045
38	10.2	9.3W	4 7.486	-0.0025	07	-56 31 10.17	-0.015	07	0.14	7.496	14	46.2	10.11	14	46.2	K0	C0	2134	P -56 1515
39	9.0	8.9W	4 8.213	-0.0031	07	-54 7 58.44	0.010	07	0.18	8.250	15	38.1	58.55	18	38.1	A5	C9	2830	P -53 1529
40	9.6	9.1W	4 15.276	-0.0019	07	-59 6 5.43	0.022	07	0.14	15.283	14	46.2	5.51	14	46.2	G5	C0	2135	P -58 1048
41	10.4	9.7W	4 37.019	0.0045	09	-55 0 51.62	-0.071	09	0.20	36.965	15	38.1	50.77	18	38.1	K0	C9	2831	P -54 1504
42	9.8	9.5W	4 46.184	-0.0032	07	-56 34 31.36	0.013	07	0.14	46.196	14	46.2	31.41	14	46.2	F8	C0	2136	P -56 1519
43	8.8	8.9W	4 46.448	-0.0064	07	-56 1 18.73	0.020	07	0.18	46.524	15	38.1	18.97	18	38.1	A0	C9	2832	P -55 1450
44	9.9	9.7W	4 50.468	-0.0018	07	-58 6 32.13	0.020	07	0.14	50.475	14	46.2	32.21	14	46.2	F0	C0	2137	P -57 1398
45	9.0	7.9W	5 4.982	0.0002	07	-53 54 1.87	-0.018	07	0.18	4.980	15	38.1	1.65	18	38.1	K5	C9	2833	P -53 1533
46	10.0E	9.8H	5 12.697	-0.0024	12	-51 52 22.89	0.023	12	0.66	12.813	31	01.2	24.00	31	01.2	B9	CZ	5363	P -51 1369
47	9.5	9.4W	5 16.543	-0.0031	07	-54 39 42.05	0.035	07	0.18	16.580	15	38.1	42.46	18	38.1	F2	C9	2834	P -54 1507
48	9.1E	8.5H	5 34.669	-0.0043	12	-51 39 49.90	-0.020	12	0.82	34.869	63	03.2	48.95	57	03.2	G0	CZ	5371	P -51 1370
49		6.8T	5 39.079	-0.0013	14	-51 47 36.84	0.032	11	0.68	39.144	19	01.1	38.58	21	96.0	K0	GC	11040	C -51 2840
50	9.9E	10.0H	5 49.393	-0.0028	12	-50 44 53.64	0.003	12	0.71	49.520	45	03.7	53.77	45	03.7	B8	CZ	5376	P -50 1483
51	9.1	9.3W	8 5 57.107	-0.0002	07	-53 32 15.19	0.006	07	0.18	57.110	15	38.1	15.25	18	38.1	A0	C9	2835	P -53 1538
52	9.1	9.3W	6 0.134	-0.0030	07	-54 47 0.02	0.012	07	0.18	0.170	15	38.1	0.16	18	38.1	A0	C9	2836	P -54 1512
53	8.6E	7.9H	6 7.613	-0.0041	12	-50 57 52.66	0.012	12	0.64	7.808	31	02.2	53.23	28	02.2	G5	CZ	5383	P -50 1484
54	10.4		6 10.515	-0.0003	13	-57 4 42.81	-0.001	13	0.15	10.516	14	46.2	42.81	14	46.2	A2	C0	2139	P -56 1527
55	9.0	7.4W	6 10.769	0.0007	06	-56 30 5.82	-0.003	06	0.14	10.766	14	46.2	5.81	14	46.2	K5	C0	2140	P -56 1526
56	9.0	9.1W	6 22.178	-0.0006	07	-55 10 48.71	0.014	07	0.18	22.186	15	38.1	48.87	18	38.1	A0	C9	2837	P -54 1514
57	9.0	9.0W	6 22.749	-0.0026	07	-53 20 36.73	0.001	07	0.18	22.780	15	38.1	36.74	18	38.1	B9	C9	2838	P -53 1539
58	8.4	7.6W	6 23.806	-0.0104	15	-53 55 5.92	0.011	15	0.24	23.930	15	38.1	6.05	18	38.1	K0	C9	2839	P -53 1541
59	8.5	8.4W	6 24.739	0.0025	07	-54 55 8.27	-0.009	07	0.18	24.710	15	38.1	8.16	18	38.1	F8	C9	2840	P -54 1515
60	7.4	7.8W	6 27.985	0.0005	06	-59 17 29.86	0.012	06	0.14	27.983	14	46.2	29.91	14	46.2	B9	C0	2141	P -59 980
61		8.5T	6 28.322	-0.0048	16	-54 40 43.85	0.025	12	0.69	28.537	22	06.4	45.02	21	03.2	B5	GC	11063	P -54 1517
62	9.4E	9.0H	6 36.845	-0.0018	12	-51 31 10.30	0.004	12	0.82	36.927	63	03.2	10.48	57	03.2	F0	CZ	5401	P -51 1376
63	9.1E	9.1H	6 39.380	-0.0018	12	-51 35 27.24	0.015	12	0.82	39.463	63	03.2	27.94	57	03.2	A0	CZ	5408	P -51 1377
64	9.0	9.2W	6 43.257	-0.0019	07	-52 39 18.69	-0.021	07	0.18	43.280	15	38.1	18.44	18	38.1	B9	C9	2842	P -52 1384
65	10.1		6 46.672	0.0015	13	-56 40 11.49	0.004	13	0.15	46.666	14	46.2	11.51	14	46.2	A0	C0	2143	P -56 1532
66	9.9E	8.4H	6 52.211	-0.0024	12	-50 13 22.50	-0.003	12	0.71	52.322	45	03.7	22.35	45	03.7	K5	CZ	5415	P -50 1491
67	8.3	8.2W	6 52.648	0.0004	06	-56 28 5.48	0.006	06	0.14	52.647	14	46.2	5.50	14	46.2	F0	C0	2144	P -56 1533
68		7.1T	7 8.733	-0.0058	13	-52 28 14.03	0.025	09	0.58	9.004	21	03.5	15.32	18	98.9	F2	GC	11078	P -52 1385
69	8.2E	8.4H	7 20.674	-0.0017	12	-50 20 39.03	0.002	12	0.63	20.755	28	02.4	39.13	26	02.4	B9	CZ	5427	P -50 1494
70	10.2	9.8W	7 33.623	-0.0027	11	-59 5 12.19	-0.021	11	0.15	33.633	14	46.2	12.11	14	46.2	A2	C0	2145	P -58 1062
71	9.1	9.0W	7 35.162	-0.0024	07	-59 59 19.92	0.049	07	0.14	35.172	14	46.2	20.11	14	46.2	F0	C0	2079	P -59 986
72	8.9	9.1W	7 36.747	-0.0019	07	-52 44 9.17	0.015	07	0.18	36.770	15	38.1	9.34	18	38.1	B8	C9	2848	P -52 1389
73	10.3	9.0W	7 38.983	-0.0014	09	-52 51 12.51	0.003	09	0.20	39.000	15	38.1	12.54	18	38.1	K2	C9	2849	P -52 1390
74	8.9E	8.7H	7 40.549	-0.0000	12	-50 22 19.23	-0.008	12	0.71	40.549	45	03.2	18.85	45	03.2	A0	CZ	5434	P -50 1495
75	8.9	8.6W	7 40.635	0.0025	07	-55 17 12.13	-0.047	07	0.18	40.605	15	38.1	11.58	18	38.1	F2	C9	2850	P -55 1465
76	8.6	8.9W	7 47.979	-0.0017	07	-58 28 15.51	-0.000	07	0.14	47.985	14	46.2	15.51	14	46.2	A0	C0	2147	P -58 1063
77	9.8E	8.6H	7 50.108	-0.0037	12	-50 23 14.28	-0.007	12	0.71	50.282	45	03.2	13.95	45	03.2	K0	CZ	5443	P -50 1496
78		7.4T	7 54.306	-0.0065	15	-50 51 51.98	0.015	11	0.68	54.614	19	02.3	52.76	21	96.7	A0	GC	11101	C -50 3184
79	8.9E	9.0Z	7 54.542	-0.0013	12	-50 52 8.83	0.013	12	0.71	54.601	45	03.2	9.44	45	03.2		CZ	5450	P -50 1498
80	9.0E	9.2H	8 7.980	-0.0032	12	-50 4 32.63	-0.002	12	0.71	8.128	45	03.6	32.53	45	03.6	A0	CZ	5457	P -49 1522
81		6.5T	8 8.333	-0.0061	12	-51 41 41.44	0.025	11	0.63	8.655	18	97.5	42.84	17	94.4	G0	GC	11113	C -51 2861
82		7.2T	8 11.218	-0.0012	10	-52 25 33.93	0.007	08	0.53	11.281	19	98.5	34.34	18	93.5	B5	GC	11116	P -52 1396
83	9.3	8.8W	8 16.044	-0.0047	07	-53 23 41.04	0.101	07	0.18	16.100	15	38.1	42.24	18	38.1	G5	C9	2854	P -53 1547
84		5.8T	8 23.757	-0.0009	07	-55 56 14.55	0.028	06	0.28	23.797	12	11.4	15.75	12	07.8	A2	GC	11119	P -55 1467
85	8.8	9.1W	8 30.232	-0.0007	06	-57 50 14.83	-0.006	06	0.14	30.235	14	46.2	14.81	14	46.2	B9	C0	2148	P -57 1411
86		6.6T	8 32.651	-0.0018	11	-59 23 34.57	0.009	10	0.56	32.745	19	00.7	35.02	18	97.6	B9	GC	11123	P#-59 990
87	9.4	8.6W	8 34.643	-0.0023	14	-53 6 6.66	0.041	14	0.24	34.670	15	38.1	7.14	18	38.	G5	C9	2857	P -52 1397
88	9.0	9.2W	8 56.802	-0.0028	07	-59 17 12.42	-0.004	07	0.14	56.813	14	46.2	12.41	14	46.2	A0	C0	2150	P -59 992
89	9.6	9.8W	9 7.347	-0.0011	14	-52 1 58.45	0.008	14	0.24	7.360	15	38.1	58.55	18	38.1	A2	C9	2859	P -51 1390
90	9.4	9.6W	9 17.392	-0.0032	07	-52 45 9.50	-0.005	07	0.18	17.430	15	38.1	9.45	18	38.1	B9	C9	2860	P -52 1403
91	8.4E	7.9H	9 29.229	-0.0008	12	-51 2 27.48	-0.010	12	0.65	29.266	31	01.8	27.00	28	01.8	B5	CZ	5508	P -50 1504
92	9.8E	9.8H	9 32.124	-0.0011	12	-50 19 36.24	-0.000	12	0.71	32.176	45	03.2	36.24	45	03.2	A0	CZ	5510	P -50 1505
93	8.8	9.1W	9 32.387	-0.0036	07	-52 38 6.54	-0.016	07	0.18	32.430	15	38.1	6.34	18	38.1	B9	C9	2861	P -52 1405
94	10.0		9 48.488	-0.0098	15	-55 13 43.20	0.014	15	0.24	48.605	15	38.1	43.37	18	38.1	A0	C9	2863	P -55 1472
95	9.8	9.0W	9 52.467	-0.0002	07	-54 46 17.00	-0.020	07	0.18	52.470	15	38.1	16.76	18	38.1	G5	C9	2864	P -54 1540
96	9.7	9.3W	10 10.346	0.0010	06	-56 2 2.29	0.032	06	0.18	10.334	15	38.1	2.67	18	38.1	G5	C9	2865	P -55 1477
97	10.3	9.7W	10 14.246	-0.0007	10	-56 3 5.55	-0.015	10	0.21	14.254	15	38.1	5.37	18	38.1	F6	C9	2866	P -55 1479
98	9.0E	9.4H	10 24.931	-0.0026	12	-51 3 33.43	-0.017	12	0.71	25.051	45	03.2	32.63	45	03.2	A2	CZ	5539	P -50 1509
99	9.8	9.0W	10 25.298	0.0028	07	-56 12 34.02	0.020	07	0.14	25.287	14	46.2	34.10	14	46.2	G5	C0	2153	P -55 1481
00	9.8	9.9W	10 28.923	-0.0006	07	-53 44 20.63	0.002	07	0.18	28.930	15	38.1	20.65	18	38.1	A2	C9	2867	P -53 1557

235800			EPOCH 1950								ORIGINAL EPOCH							SP.	SOURCE		-50° 8H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01						
1	8.1E	7.9H	8 10 35.146	-0.0027	12	-51 48 41.32	0.019	12	0.66		35.276	31	01.2	42.23	31	01.2	A0	CZ	5543	P -51 1392	
2	8.5	7.7W	10 37.284	0.0002	06	-59 5 57.67	0.063	06	0.14		37.283	14	46.2	57.91	14	46.2	G5	C0	2154	P -58 1074	
3	10.5	8.7W	10 42.158	0.0024	07	-53 38 14.05	-0.016	07	0.18		42.130	15	38.1	13.85	18	38.1	K5	C9	2868	P -53 1558	
4		7.2T	10 44.638	-0.0028	12	-59 55 31.73	0.039	12	0.61		44.773	21	04.2	33.63	19	01.8	K0	GC	11178	P -59 997	
5	9.4	9.4W	10 46.075	-0.0032	06	-56 16 34.81	0.049	06	0.14		46.087	14	46.2	34.99	14	46.2	F0	C0	2156	P -56 1548	
6	9.6E	9.2H	10 53.979	-0.0036	12	-50 7 15.15	0.009	12	0.71		54.146	45	03.6	15.56	45	03.6	K0	CZ	5555	P -49 1549	
7	9.4	9.2W	10 56.042	-0.0003	07	-55 18 13.81	0.005	07	0.18		56.045	15	38.1	13.87	18	38.1	F2	C9	2869	P -55 1484	
8	8.3	8.5W	11 8.149	0.0003	05	-55 12 5.50	0.006	05	0.18		8.145	15	38.1	5.58	18	38.1	B5	C9	2870	P -54 1545	
9	10.0	9.5W	11 12.635	0.0000	09	-58 24 56.14	-0.007	09	0.14		12.635	14	46.2	56.11	14	46.2	F5	C0	2157	P -58 1075	
10		7.0T	11 16.435	-0.0027	11	-53 59 43.35	0.027	08	0.54		16.565	21	01.3	44.87	18	93.6	F0	GC	11186	P -53 1564	
11	9.7	9.9W	11 18.304	-0.0022	13	-54 39 25.45	0.018	13	0.23		18.330	15	38.1	25.66	18	38.1	B9	C9	2873	P -54 1547	
12	9.6	9.7W	11 18.977	-0.0002	07	-52 6 42.69	-0.012	07	0.18		18.980	15	38.1	42.55	18	38.1	A0	C9	2874	P -51 1393	
13		8.1T	11 19.011	-0.0010	18	-59 53 16.84	-0.001	13	0.70		19.055	19	08.1	16.82	19	05.7	K5	GC	11188	P -59 1000	
14	10.0E	8.4H	11 21.390	0.0013	12	-50 30 37.32	-0.001	12	0.65		21.325	31	01.8	37.25	28	01.8	K2	CZ	5565	P -50 1514	
15	8.5E	8.5H	11 28.432	-0.0033	12	-50 5 12.22	-0.001	12	0.71		28.585	45	03.6	12.17	45	03.6	A2	CZ	5569	P -49 1555	
16	9.7	10.0W	11 36.140	-0.0009	09	-58 50 26.02	-0.002	09	0.14		36.143	14	46.2	26.01	14	46.2	A0	C0	2160	P -58 1077	
17	9.9E	9.4H	11 52.763	-0.0042	12	-51 35 26.86	0.035	12	0.66		52.966	31	01.2	28.56	31	01.2	F5	CZ	5582	P -51 1396	
18		7.2T	11 53.338	-0.0022	13	-52 5 2.49	0.000	12	0.69		53.448	22	00.7	2.50	21	97.4	B8	GC	11202	C -51 2893	
19		5.4T	12 7.265	0.0005	08	-50 2 36.87	-0.005	08	0.34		7.246	14	12.1	36.65	12	09.0	K5	GC	11210	C*-49 3430	
20	9.9E	10.2H	12 25.934	-0.0014	12	-50 23 59.54	-0.005	12	0.71		26.000	45	03.2	59.30	45	03.2	B9	CZ	5601	P -50 1520	
21		8.0T	12 30.940	-0.0106	18	-50 9 35.12	-0.020	18	0.86		31.416	24	05.1	36.00	24	04.8	K0	GC	11224	C*-49 3437	
22	9.8	9.6W	12 32.627	-0.0011	09	-52 13 41.38	-0.078	09	0.20		32.640	15	38.1	40.45	18	38.1	G0	C9	2877	P -52 1414	
23	8.6	8.6W	12 45.276	-0.0024	06	-58 27 58.27	-0.063	06	0.14		45.285	14	46.2	58.51	14	46.2	F0	C0	2162	P*-58 1080	
24	9.4	8.3W	12 47.786	-0.0024	06	-57 36 55.20	-0.024	06	0.14		47.795	14	46.2	55.11	14	46.2	K0	C0	2163	P -57 1440	
25	8.5E	9.0H	12 53.549	-0.0029	12	-50 12 47.76	-0.023	12	0.71		53.685	45	03.2	46.68	45	03.2	B8	CZ	5621	P -49 1567	
26	9.8	9.2W	12 54.063	-0.0034	13	-57 5 13.59	-0.021	13	0.15		54.076	14	46.2	13.51	14	46.2	G5	C0	2164	P*-56 1558	
27	8.9E	9.1H	12 58.728	-0.0027	12	-50 20 46.21	-0.000	12	0.71		58.854	45	03.2	46.20	45	03.2	A3	CZ	5625	P -50 1524	
28	9.5	9.4W	13 2.937	-0.0019	07	-54 34 57.75	0.001	07	0.18		2.960	15	38.1	57.76	18	38.1	A0	C9	2878	P -54 1556	
29	8.7	8.6W	13 4.143	-0.0006	07	-58 23 50.63	-0.007	07	0.14		4.145	14	46.2	50.61	14	46.2	A2	C0	2165	P*-58 1082	
30	9.9	9.7W	13 9.711	-0.0033	07	-52 39 4.28	-0.003	07	0.18		9.750	15	38.1	4.24	18	38.1	F8	C9	2879	P -52 1418	
31		7.7T	13 19.895	0.0024	10	-56 36 10.59	-0.024	10	0.52		19.772	18	04.4	9.36	18	97.8	A0	GC	11247	P -56 1559	
32	9.9	9.6W	13 26.689	-0.0009	09	-52 12 10.12	-0.006	09	0.20		26.700	15	38.1	10.05	18	38.1	F0	C9	2881	P -51 1404	
33	10.2	10.0W	13 28.464	-0.0024	09	-59 19 23.44	-0.007	09	0.14		28.473	14	46.2	23.41	14	46.2	F8	C0	2168	P -59 1006	
34	9.2	8.2W	13 35.714	-0.0029	06	-58 0 36.52	-0.004	06	0.14		35.725	14	46.2	36.51	14	46.2	K0	C0	2169	P -57 1447	
35	9.5	9.0W	13 42.649	0.0020	07	-55 21 43.50	-0.036	07	0.18		42.625	15	38.1	43.07	18	38.1	G5	C9	2885	P -55 1491	
36	10.2	10.1W	13 43.405	-0.0020	07	-58 40 38.96	-0.013	07	0.14		43.413	14	46.2	38.91	14	46.2	A2	C0	2170	P -58 1084	
37	8.9E	9.4H	13 45.189	-0.0017	12	-50 17 6.35	-0.011	12	0.71		45.269	45	03.2	5.83	45	03.2	B8	CZ	5644	P -50 1525	
38		6.4T	13 56.751	-0.0017	12	-50 17 41.47	-0.021	11	0.63		56.838	18	98.8	40.33	18	96.8	K2	GC	11259	C -50 3227	
39		6.5T	14 2.784	-0.0021	14	-51 54 18.18	-0.059	12	0.69		2.682	19	00.6	15.05	18	96.8	G0	GC	11262	C -51 2914	
40	9.1E	9.2H	14 7.565	-0.0007	12	-51 26 21.55	-0.012	12	0.66		7.598	31	01.2	20.96	31	01.2	A0	CZ	5656	P -51 1411	
41	8.2	8.1W	14 14.057	-0.0044	07	-53 22 59.52	0.010	07	0.18		14.110	15	38.1	59.64	18	38.1	F0	C9	2888	P -53 1592	
42	10.1		14 16.278	-0.0031	07	-55 15 38.33	-0.038	07	0.18		16.316	15	38.1	37.87	18	38.1	A0	C9	2889	P -55 1493	
43	10.2		14 31.858	-0.0019	09	-57 28 4.88	0.007	09	0.14		31.866	14	46.2	4.91	14	46.2	A2	C0	2171	P -57 1457	
44		8.0T	14 47.033	-0.0051	12	-59 54 9.08	0.021	10	0.55		47.290	18	03.7	10.16	18	99.7	K5	GC	11287	P*-59 1012	
45	10.5E	9.9Z	14 48.635	-0.0036	12	-50 54 54.31	0.019	12	0.65		48.807	31	01.8	55.22	28	01.8		C2	5670	P -50 1529	
46	9.4E	9.2H	14 55.903	0.0011	12	-51 47 10.67	0.008	12	0.82		55.850	63	03.3	11.02	57	03.3	B8	CZ	5675	P -51 1412	
47		8.0T	14 58.092	-0.0005	11	-57 6 51.74	-0.009	08	0.48		58.119	17	04.0	51.31	15	99.6	B8	GC	11293	P -56 1569	
48	9.6	9.9W	15 0.602	-0.0009	07	-56 58 14.78	0.007	07	0.14		0.606	14	46.2	14.81	14	46.2	B9	C0	2174	P -56 1570	
49	9.2	9.0W	15 0.993	-0.0039	07	-53 19 55.57	0.023	07	0.18		1.040	15	38.1	55.84	18	38.1	F5	C9	2890	P -53 1595	
50		7.1T	15 10.360	-0.0015	13	-52 36 17.24	0.000	11	0.61		10.432	19	03.3	17.24	18	00.3	B8	GC	11301	P -52 1425	
51	8.9	9.2W	8 15 11.761	-0.0041	07	-52 32 52.68	0.014	07	0.18		11.810	15	38.1	52.85	18	38.1	B9	C9	2892	P -52 1426	
52	8.1	8.3W	15 16.885	-0.0021	08	-53 3 29.31	0.028	08	0.19		16.910	15	38.1	29.64	18	38.1	B9	C9	2894	P -52 1427	
53	9.7		15 27.854	0.0004	15	-54 39 36.30	-0.028	15	0.24		27.850	15	38.1	35.96	18	38.1	A0	C9	2895	P -54 1570	
54	9.1	9.2W	15 28.654	-0.0025	07	-55 33 33.45	-0.007	07	0.18		28.684	15	38.1	33.37	18	38.1	A2	C9	2896	P -55 1494	
55	7.8	8.1W	15 31.656	-0.0020	07	-53 19 7.98	0.031	07	0.18		31.680	15	38.1	8.34	18	38.1	A2	C9	2897	P -53 1601	
56		7.2T	15 34.385	-0.0026	17	-53 28 13.94	-0.009	13	0.76		34.507	24	03.7	13.48	21	98.9	K0	GC	11313	P -53 1602	
57		7.7T	15 38.689	-0.0012	11	-53 32 47.43	0.020	10	0.55		38.741	18	05.5	48.45	18	99.1	A0	GC	11316	P -53 1604	
58	9.5E	10.0H	15 50.083	-0.0003	12	-51 32 37.67	-0.002	12	0.82		50.095	63	03.3	37.58	57	03.3	A2	C2	5706	P -51 1416	
59	9.9	9.9W	15 52.209	-0.0018	07	-57 28 18.17	-0.011	07	0.14		52.216	14	46.2	18.21	14	46.2	F0	C0	2175	P*-57 1463	
60	10.2	10.0W	15 52.351	0.0035	15	-54 36 1.55	-0.024	15	0.24		52.310	15	38.1	1.26	18	38.1	A3	C9	2900	P -54 1572	
61		8.6T	15 52.360	0.0006	17	-57 18 21.52	-0.021	18	0.77		52.336	19	07.8	20.65	19	07.5	K0	GC	11320	P -57 1462	
62	9.5	9.4W	15 59.235	-0.0038	07	-52 57 55.70	0.021	07	0.18		59.280	15	38.1	55.95	18	38.1	A2	C9	2901	P -52 1433	
63	10.2		16 0.295	-0.0004	15	-54 57 56.68	-0.026	15	0.24		0.300	15	38.1	56.36	18	38.1	A2	C9	2902	P*-54 1574	
64	9.2	9.0W	16 2.064	-0.0030	07	-54 45 25.99	0.048	07	0.18		2.100	15	38.1	26.56	18	38.1	G0	C9	2903	P -54 1575	
65		9.0T	16 9.575	-0.0011	17	-57 19 43.40	0.031	17	0.73		9.623	19	08.4	44.72	19	08.1	F0	GC	11327	P -57 1464	
66	9.0	8.8W	16 9.746	-0.0104	07	-54 19 47.94	0.127	07	0.18		9.870	15	38.1	49.45	18	38.1	F5	C9	2904	P -54 1577	
67	9.9	9.8W	16 10.051	0.0040	13	-56 50 45.72	-0.002	13	0.15		10.036	14	46.2	45.71	14	46.2	A2	C0	2178	P -56 1575	
68	9.9	9.5W	16 27.047	-0.0022	13	-57 44 37.60	0.028	13	0.15		27.055	14	46.2	37.71	14	46.2	G5	C0	2179	P -57 1469	
69		7.0T	16 31.173	0.0004	12	-58 32 27.68	0.013	10	0.53		31.153	18	05.9	28.27	17	03.5	B9	GC	11339	P -58 1093	
70		7.0T	16 31.957	-0.0072	14	-55 44 9.95	0.070	12	0.66		32.326	21	03.6	13.54	19	99.0	K0	GC	11340K	P*-55 1499	
71		6.9T	16 32.130	-0.0011	13	-55 37 8.29	0.008	12	0.64		32.187	21	03.4	8.71	19	99.7	K0	GC	11341K	P*-55 1498	
72		6.4T	16 54.467	-0.0057	08	-59 0 33.68	-0.034	06	0.38		54.763	17	02.5	31.89	15	97.9	F8	GC	11347	P -58 1095	
73	9.1	9.3W	16 57.233	0.0000	09	-59 1 11.77	0.010	09	0.14		57.233	14	46.2	11.81	14	46.2	A	C0	2182	P*-58 1096	
74	10.1		16 58.144	-0.0102	15	-55 26 23.69	-0.010	15	0.24		58.265	15	38.1	23.57	18	38.1	F5	C9	2908	P -55 1501	
75	7.6	7.8W	17 10.524	-0.0013	06	-52 32 56.49	0.038	06	0.18		10.540	15	38.1	56.94	18	38.1	A0	C9	2909	P -52 1435	
76	9.6	9.4W	17 35.823	-0.0052	07	-55 19 18.92	-0.029	07	0.18		35.885	15	38.1	18.57	18	38.1	F5	C9	2911	P -55 1505	
77	10.0E	9.1Z	17 36.166	-0.0009	12	-50 56 52.02	-0.012	12	0.65		36.208	31	01.8	51.44	28	01.8		CZ	5752	P -50 1545	
78	9.8	10.0W	17 40.988	-0.0020	07	-57 4 17.45	-0.010	07	0.14		40.996	14	46.2	17.41	14	46.2	A0	C0	2185	P -56 1586	
79	9.3	9.2W	17 51.404	0.0020	07	-56 59 42.71	-0.053	07	0.14		51.396	14	46.2	42.51	14	46.2	F5	C0	2186	P -56 1588	
80	9.9	8.5W	17 53.098	0.0007	09	-54 22 51.89	-0.020	09	0.20		53.090	15	38.1	51.65	18	38.1	K5	C9	2913	P -54 1581	
81	9.4	9.3W	17 53.792	-0.0004	07	-58 33 23.31	-0.000	07	0.14		53.793	14	46.2	23.31	14	46.2	A2	C0	2187	P -58 1097	
82	10.3	9.2W	17 56.091	-0.0036	09	-58 28 26.89	-0.022	09	0.14		56.105	14	46.2	26.81	14	46.2	K0	C0	2188	P -58 1098	
83	10.1	10.0W	17 56.455	-0.0022	11	-59 23 4.30	0.003	11	0.15		56.463	14	46.2	4.31	14	46.2	A0	C0	2189	P -59 1019	
84	8.9E	8.5H	17 56.636	-0.0042	12	-50 31 34.82	0.001	12	0.65		56.837	31	01.8	34.86	28	01.8	A2	CZ	5762	P -50 1548	
85	10.1		18 5.527	0.0003	11	-56 37 8.23	-0.006	11	0.15		5.526	14	46.2	8.21	14	46.2	B9	C0	2191	P -56 1590	
86	10.1	10.0W	18 6.133	-0.0030	09	-57 38 0.74	-0.035	09	0.14		6.145	14	46.2	0.61	14	46.2	A3	C0	2192	P -57 1479	
87	9.5	8.7W	18 28.478	0.0015	07	-53 44 27.89	0.005	07	0.18		28.460	15	38.1	27.95	18	38.1	K0	C9	2915	P -53 1621	
88		6.8T	18 34.156	-0.0040	08	-51 47 0.71	0.046	06	0.31		34.317	12	10.0	2.80	12	04.8	A5	GC	11382	C -51 2952	
89	9.0E	8.5H	18 36.361	-0.0142	12	-50 43 33.74	0.069	12	0.71		37.024	45	03.2	36.97	45	03.2	G0	CZ	5777	P -50 1553	
90	8.6	8.5W	18 38.575	0.0005	07	-58 43 56.73	0.048	07	0.14		38.573	14	46.2	56.91	14	46.2	F5	C0	2193	P -58 1100	
91		8.2T	18 39.239	-0.0044	12	-53 31 45.80	0.028	10	0.57		39.450	21	01.7	47.26	19	97.8	K0	GC	11384	P -53 1625	
92	9.1	9.1W	18 42.087	-0.0027	07	-56 5 27.10	-0.028	07	0.14		42.097	14	46.2	27.00	14	46.2	A5	C0	2194	P -55 1512	
93	9.7	9.6W	18 45.118	-0.0018	07	-53 45 46.54	0.018	07	0.18		45.140	15	38.1	46.75	18	38.1	F2	C9	2918	P -53 1627	
94		7.8T	18 45.621	0.0003	12	-59 56 39.64	-0.014	09	0.53		45.606	18	04.7	38.98	15	01.6	B9	GC	11386	P -59 1023	
95		8.3T	18 51.735	-0.0005	13	-56 41 56.06	0.026	12	0.63		51.762	21	04.0	57.38	19	00.3	B9	GC	11389	P -56 1595	
96	8.5E	8.2H	18 52.228	-0.0018	12	-50 48 30.68	-0.006	12	0.71		52.310	45	03.2	30.39	45	03.2	A0	CZ	5782	P -50 1555	
97		8.3W	18 53.354	-0.0003	09	-57 30 36.69	0.006	09	0.14		53.355	14	46.2	36.71	14	46.2	A	C0	2197	P -57 1483	
98		8.3W	18 54.124	-0.0002	07	-57 30 51.40	0.002	07	0.14		54.125	14	46.2	51.41	14	46.2	A	C0	2198	P -57 1484	
99	9.2	9.1W	18 59.743	-0.0033	09	-56 32 4.36	0.012	09	0.14		59.756	14	46.2	4.41	14	46.2	F8	C0	2199	P -56 1596	
00	9.1E	9.4H	19 0.179	-0.0010	12	-51 20 18.63	-0.009	12	0.82		0.225	63	03.3	18.21	57	03.3	F0	CZ	5783	P -51 1431	

235900 — EPOCH 1950 — ORIGINAL EPOCH — -50° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.2	9.1W	8 19 1.414	-0.0004	09	-56 32 4.40	0.028	09	0.14	1.416	14	46.2	4.51	14	46.2	F8		CD	2200	P -56 1598
2	8.7E	8.6H	19 3.117	-0.0020	12	-51 20 11.96	-0.008	12	0.82	3.210	63	03.3	11.58	57	03.3	F0		CZ	5785	P -51 1433
3	8.9E	9.5H	19 6.876	-0.0015	12	-50 9 15.43	-0.002	12	0.71	6.946	45	03.6	15.34	45	03.6	B9		CZ	5786	P -49 1602
4	9.0	8.9W	19 8.826	-0.0045	07	-54 42 33.84	0.019	07	0.18	8.880	15	38.1	34.06	18	38.1	F2		C9	2920	P -54 1592
5	9.2E	9.8H	19 12.665	-0.0014	12	-51 27 36.38	-0.009	12	0.82	12.730	63	03.3	35.96	57	03.3	B9		CZ	5789	P -51 1434
6	9.5	9.7W	19 17.362	-0.0007	13	-58 8 19.97	0.011	13	0.15	17.365	14	46.2	20.01	14	46.2	A0		C0	2201	P -57 1486
7	8.4E	8.9H	19 35.813	-0.0011	12	-51 23 1.61	0.003	12	0.66	35.866	31	01.2	1.75	31	01.2	B9		CZ	5800	P -51 1436
8		6.6T	19 37.219	-0.0015	11	-52 4 5.96	0.010	09	0.60	37.298	22	98.5	6.53	21	94.4	A0		GC	11408	C -51 2963
9	9.9		19 42.983	-0.0007	13	-57 11 30.93	-0.005	13	0.15	42.986	14	46.2	30.91	14	46.2	F0		C0	2202	P -56 1604
10		8.3T	19 43.681	0.0008	18	-59 55 58.87	0.003	13	0.73	43.644	21	06.9	59.03	19	03.2	K0		GC	11413	P -59 1027
11		7.2T	19 46.873	-0.0036	13	-52 25 37.13	-0.025	10	0.59	47.039	21	04.3	35.87	19	99.1	A5		GC	11415	P -52 1444
12	9.1	9.1W	19 47.515	-0.0021	06	-59 24 52.97	0.009	06	0.14	47.523	14	46.2	53.01	14	46.2	F5		C0	2204	P -59 1028
13	8.3E	8.9H	19 49.134	0.0001	12	-51 32 12.50	-0.014	12	0.82	49.127	63	03.3	11.85	57	03.3	B9		CZ	5809	P -51 1438
14	9.4	8.8W	19 51.251	0.0026	07	-53 35 7.44	-0.015	07	0.18	51.220	15	38.1	7.25	18	38.1	F5		C9	2924	P -53 1637
15	7.4E	8.3H	19 56.546	-0.0017	12	-51 13 44.25	-0.004	12	0.82	56.627	63	03.3	44.07	57	03.3	B8		CZ	5813	P -50 1565
16	9.8	9.6W	19 58.851	-0.0007	15	-54 52 24.69	0.015	15	0.24	58.860	15	38.1	24.86	18	38.1	F5		C9	2925	P -54 1598
17		6.1T	20 5.424	-0.0010	07	-57 48 46.29	0.008	06	0.27	5.467	10	11.6	46.62	10	08.0	B5		GC	11428	P*-57 1490
18	10.0E	10.9H	20 5.479	-0.0012	12	-51 7 5.66	0.003	12	0.64	5.535	31	02.5	5.80	28	02.5	A2		CZ	5817	P -50 1567
19	9.5	9.5W	20 18.594	-0.0059	07	-56 16 25.01	-0.004	07	0.14	18.617	14	46.2	25.00	14	46.2	F0		C0	2206	P -56 1609
20	9.1	7.6W	20 23.786	0.0003	05	-57 57 16.77	0.009	05	0.14	23.786	14	46.2	16.81	14	46.2	K5		C0	2207	P -57 1491
21	8.2	8.3W	20 53.101	-0.0005	07	-58 33 44.47	-0.017	07	0.14	53.103	14	46.2	44.41	14	46.2	A0		C0	2208	P -58 1102
22	9.9	9.9W	20 53.971	-0.0024	07	-52 26 34.55	0.008	07	0.18	54.000	15	38.1	34.65	18	38.1	A2		C9	2928	P -52 1448
23	10.0	9.8W	20 56.309	-0.0027	14	-51 54 30.07	0.057	14	0.24	56.340	15	38.1	30.75	18	38.1	F5		C9	2929	P -51 1445
24	9.4	9.6W	21 4.884	-0.0005	07	-53 41 50.97	0.024	07	0.18	4.890	15	38.1	51.25	18	38.1	A2		C9	2930	P -53 1647
25	9.9	9.1W	21 7.276	0.0026	07	-55 3 36.78	0.025	07	0.18	7.245	15	38.1	37.08	18	38.1	K0		C9	2931	P -54 1611
26	9.0	7.8W	21 15.765	0.0010	06	-59 37 15.24	0.018	06	0.14	15.762	14	46.2	15.31	14	46.2	K0		C0	2209	P -59 1031
27	8.8	8.8W	21 17.940	-0.0017	07	-52 24 57.92	0.002	07	0.18	17.960	15	38.1	57.95	18	38.1	F2		C9	2932	P -52 1451
28	8.7E	8.5H	21 18.720	-0.0016	12	-51 12 11.74	0.005	12	0.82	18.794	63	03.3	11.97	57	03.3	A0		CZ	5840	P -50 1575
29	9.5	8.5W	21 22.261	-0.0006	07	-58 38 14.87	0.037	07	0.14	22.263	14	46.2	15.01	14	46.2	G5		C0	2210	P -58 1104
30	10.2	9.3W	21 24.712	-0.0030	09	-58 33 43.49	-0.020	09	0.14	24.723	14	46.2	43.41	14	46.2	K0		C0	2211	P -58 1105
31	9.6	9.8W	21 28.815	0.0008	07	-55 3 25.16	0.010	07	0.18	28.805	15	38.1	25.28	18	38.1	A0		C9	2934	P -54 1614
32		1.7H	21 29.383	-0.0033	02	-59 20 52.98	0.015	02	0.08	29.511	04	10.7	53.57	05	10.9	+++		F4	315	P -59 1032
33		5.9T	21 31.266	-0.0014	12	-51 57 44.00	0.007	09	0.58	31.338	19	99.7	44.42	19	92.0	B9		GC	11464	C -51 2980
34	10.2	8.5W	21 31.865	-0.0052	09	-58 23 23.99	0.006	09	0.14	31.885	14	46.2	24.01	14	46.2	K5		C0	2213	P -58 1107
35	7.6	8.0W	21 33.058	-0.0010	07	-54 19 11.72	0.020	07	0.18	33.070	15	38.1	11.95	18	38.1	A0		C9	2936	P -54 1615
36	9.8	9.6W	21 33.589	-0.0043	07	-53 19 7.51	0.053	07	0.18	33.640	15	38.1	8.15	18	38.1	F2		C9	2937	P -53 1649
37	9.1	9.1W	21 35.568	-0.0060	07	-53 13 5.97	0.015	07	0.18	35.640	15	38.1	6.14	18	38.1	F0		C9	2939	P -52 1453
38		8.1T	21 38.582	-0.0032	13	-57 43 36.82	0.018	11	0.61	38.747	19	03.2	37.73	18	98.9	A0		GC	11466	P -57 1496
39	9.2	9.5W	21 46.164	-0.0025	07	-55 50 34.49	-0.010	07	0.18	46.194	15	38.1	34.37	18	38.1	B9		C9	2941	P -55 1531
40	8.6	8.4W	21 50.049	-0.0096	07	-56 58 23.03	0.100	07	0.14	50.086	14	46.2	23.41	14	46.2	F2		C0	2215	P -56 1617
41	8.6	8.6W	21 59.214	-0.0023	06	-59 21 43.91	0.026	06	0.14	59.223	14	46.2	44.01	14	46.2	F0		C0	2216	P -59 1036
42	9.6E	9.0H	22 0.657	0.0004	12	-50 28 1.17	0.018	12	0.64	0.639	31	02.5	2.02	28	02.5	F0		CZ	5856	P -50 1582
43		7.5T	22 26.730	-0.0022	12	-55 9 25.25	-0.039	10	0.64	26.852	22	99.9	23.12	19	94.9	F0		GC	11484	P -54 1621
44	10.1	8.7W	22 28.933	0.0011	09	-52 23 10.60	-0.005	09	0.20	28.920	15	38.1	10.55	18	38.1	K5		C9	2944	P -52 1457
45	9.2	9.3W	22 48.306	-0.0003	07	-54 2 27.69	0.005	07	0.18	48.310	15	38.1	27.75	18	38.1	B8		C9	2946	P -53 1658
46	9.0	9.3W	22 56.441	0.0018	07	-53 21 34.97	0.006	07	0.18	56.420	15	38.1	35.04	18	38.1	A0		C9	2947	P -53 1659
47		7.1T	23 8.053	-0.0011	17	-55 37 34.60	0.022	12	0.72	8.109	22	05.1	35.71	19	00.5	K5		GC	11498	P -55 1539
48	8.5E	8.9H	23 9.450	-0.0017	12	-50 9 0.19	-0.011	12	0.71	9.529	45	03.6	59.68	45	03.6	A0		CZ	5878	P -49 1621
49		7.5T	23 11.496	-0.0006	14	-53 34 22.25	-0.016	12	0.66	11.522	21	03.3	21.45	19	99.8	A0		GC	11501	P -53 1664
50	9.5	8.4W	23 19.384	0.0006	05	-59 46 34.93	-0.006	05	0.14	19.382	14	46.2	34.91	14	46.2	K0		C0	2219	P -59 1039
51	10.1	8.6W	8 23 19.420	-0.0009	07	-52 28 10.13	-0.007	07	0.18	19.430	15	38.1	10.06	18	38.1	K2		C9	2950	P -52 1463
52		6.8T	23 25.261	-0.0036	11	-55 12 4.22	0.002	09	0.55	25.454	19	00.4	4.35	18	96.8	B8		GC	11508	P -54 1627
53	9.6	9.3W	23 26.637	-0.0086	07	-52 30 36.34	0.034	07	0.18	26.740	15	38.1	36.74	18	38.1	G0		C9	2952	P -52 1464
54	9.8	9.6W	23 35.759	-0.0044	07	-56 49 20.47	0.011	07	0.14	35.776	14	46.2	20.51	14	46.2	F2		C0	2220	P -56 1627
55	9.3	9.7W	23 42.031	-0.0039	07	-56 45 7.43	0.021	07	0.14	42.046	14	46.2	7.51	14	46.2	A0		C0	2221	P -56 1628
56	8.9	8.3W	23 46.904	-0.0028	09	-58 15 27.39	0.004	09	0.14	46.915	14	46.2	27.41	14	46.2	F8		C0	2222	P -58 1117
57		6.7T	23 53.767	-0.0026	09	-55 18 32.01	-0.013	07	0.49	53.924	18	95.9	31.26	17	90.2	B8		GC	11522	P -55 1543
58	9.1	8.9W	24 1.055	-0.0055	13	-57 20 12.81	0.001	13	0.15	1.076	14	46.2	12.81	14	46.2	F8		C0	2223	P -57 1511
59	5.3E	5.2H	24 3.760	-0.0443	12	-51 33 48.63	-0.007	12	0.82	5.830	63	03.3	48.29	57	03.3	B3		CZ	5901	P -51 1464
60	10.1	9.9W	24 3.785	-0.0021	07	-52 47 56.25	-0.017	07	0.18	3.810	15	38.1	56.04	18	38.1	F0	O	C9	2954	P -52 1468
61		10.2T	24 4.003	-0.0022	18	-51 34 7.64	-0.005	22	0.94	4.103	24	05.1	7.43	24	05.6			GC	11530K	C -51 3003
62		5.2T	24 5.689	-0.0048	10	-51 33 48.64	-0.013	09	0.40	5.878	15	10.8	48.15	15	07.7	B3		GC	11531K	C*-51 3004
63		7.1T	24 7.334	0.0022	11	-55 35 4.75	0.004	10	0.58	7.218	19	00.0	4.99	18	96.4	A2		GC	11533K	P -55 1544
64		9.1T	24 9.873	-0.0018	13	-55 33 58.10	-0.001	12	0.59	9.958	18	08.0	58.07	19	03.9	A		GC	11535	P -55 1545
65	10.2	9.4W	24 10.450	-0.0025	06	-52 30 13.53	0.035	06	0.18	10.480	15	38.1	13.94	18	38.1	K0		C9	2958	P -52 1469
66	9.1	8.9W	24 15.286	0.0001	07	-56 36 1.05	-0.011	07	0.14	15.286	14	46.2	1.01	14	46.2	F5		C0	2224	P -56 1632
67	9.4	9.3W	24 21.664	-0.0028	11	-58 29 21.37	0.011	11	0.15	21.675	14	46.2	21.41	14	46.2	F2		C0	2225	P -58 1119
68		6.9T	24 22.975	-0.0016	13	-57 58 7.09	0.005	09	0.56	23.057	19	04.6	7.33	17	00.1	B5		GC	11540	P -57 1513
69	9.9		24 30.321	-0.0007	07	-54 34 20.29	0.015	07	0.18	30.330	15	38.1	20.46	18	38.1	A0		C9	2959	P -54 1634
70	9.7E	10.0H	24 33.892	-0.0032	12	-51 49 36.27	0.007	12	0.66	34.047	31	01.2	36.59	31	01.2	A5		CZ	5909	P -51 1469
71		8.7T	24 37.676	0.0022	16	-54 37 38.09	-0.008	15	0.71	37.582	22	06.7	37.74	21	05.7	K0		GC	11548	P -54 1636
72	9.5	9.7W	24 46.352	-0.0032	14	-52 4 36.42	0.019	14	0.24	46.390	15	38.1	36.65	18	38.1	A0		C9	2961	P -52 1472
73	9.2E	9.6H	24 47.615	-0.0018	12	-51 35 36.00	0.029	12	0.82	47.697	63	03.3	37.36	57	03.3	A0		CZ	5917	P -51 1472
74	9.4	9.4W	24 54.865	-0.0021	07	-54 58 51.38	-0.001	07	0.18	54.890	15	38.1	51.36	18	38.1	A2		C9	2962	P -54 1638
75	9.2	9.4W	25 1.273	-0.0014	07	-54 54 8.66	-0.025	07	0.18	1.290	15	38.1	8.36	18	38.1	A		C9	2963	P -54 1639
76		6.1T	25 2.406	-0.0021	10	-52 38 32.10	-0.010	08	0.52	2.516	19	98.7	31.52	18	92.3	A0		GC	11559	P -52 1474
77	8.7E	8.5H	25 3.873	-0.0028	12	-51 13 48.49	0.000	12	0.82	4.003	63	03.3	48.49	57	03.3	B9		CZ	5928	P -50 1606
78	9.1	8.7W	25 4.613	-0.0057	06	-57 44 18.73	-0.033	06	0.14	4.635	14	46.2	18.61	14	46.2	F8		C0	2229	P -57 1520
79	9.7	9.8W	25 13.006	-0.0024	11	-58 7 8.22	-0.002	11	0.15	13.015	14	46.2	8.21	14	46.2	A3		C0	2231	P -57 1521
80	8.9	8.5W	25 20.754	-0.0023	06	-59 16 15.35	0.016	06	0.14	20.763	14	46.2	15.41	14	46.2	F5		C0	2232	P -59 1044
81	8.7	8.9W	25 22.923	-0.0008	07	-57 8 10.71	0.001	07	0.14	22.926	14	46.2	10.71	14	46.2	B9		C0	2233	P -56 1643
82	10.0	9.8W	25 26.943	-0.0006	07	-52 0 15.15	-0.017	07	0.18	26.950	15	38.1	14.95	18	38.1	F5		C9	2971	P*-51 1477
83	9.9	9.5W	25 29.094	-0.0080	06	-57 40 35.71	-0.051	06	0.14	29.125	14	46.2	35.51	14	46.2	G0		C0	2234	P -57 1525
84	8.4E	8.4H	25 29.786	-0.0061	12	-51 19 58.24	0.019	12	0.71	30.070	45	03.3	59.13	45	03.3	A0		CZ	5940	P -51 1478
85	10.6	9.7W	25 30.621	0.0001	07	-51 57 32.12	-0.023	07	0.18	30.620	15	38.1	31.85	18	38.1	G0		C9	2972	P -51 1479
86		7.4T	25 31.031	-0.0020	11	-55 11 50.17	-0.004	09	0.54	31.140	21	01.0	49.98	18	96.3	B9		GC	11572	P*-54 1643
87		7.1T	25 34.300	-0.0053	15	-50 57 43.02	0.023	11	0.68	34.555	19	01.5	44.24	18	96.4	A3		GC	11573	C -50 3350
88		7.1Q	25 34.726	-0.0119	09	-52 32 19.17	-0.063	07	0.49	35.353	19	97.5	15.43	17	90.7	F2		GC	11574	P -52 1480
89	9.4I		25 34.749	-0.0017	11	-51 57 42.13	0.035	11	0.21	34.770	15	38.1	42.55	18	38.1	G0		C9	2975	P*-51 1482
90		7.5T	25 36.477	-0.0085	16	-51 18 28.58	0.020	11	0.70	36.875	22	03.0	29.63	21	96.5	F0		GC	11577	C -51 3026
91	9.8	9.9W	25 40.384	0.0002	13	-59 4 7.09	0.030	13	0.15	40.383	14	46.2	7.21	14	46.2	F5		C0	2235	P -58 1128
92	8.9E	9.1H	25 40.620	-0.0023	12	-51 23 15.26	0.000	12	0.71	40.727	45	03.3	15.26	45	03.3	B9		CZ	5948	P -51 1483
93		7.7T	25 42.259	-0.0020	11	-55 10 0.71	0.018	09	0.54	42.366	19	00.6	1.69	18	96.8	A0		GC	11581	P -54 1645
94	9.8	9.6W	25 45.903	-0.0057	09	-58 25 31.40	0.003	09	0.14	45.925	14	46.2	31.41	14	46.2	F0		C0	2236	P -58 1130
95	9.4E	9.2H	25 54.205	-0.0072	12	-51 43 30.40	-0.021	12	0.82	54.540	63	03.3	29.40	57	03.3	G5		CZ	5956	P -51 1484
96	9.1	9.1W	25 54.579	-0.0020	07	-56 5 42.48	0.030	07	0.14	54.587	14	46.2	42.60	14	46.2	F0		C0	2237	P -55 1555
97	8.3	8.6W	25 59.536	-0.0003	07	-53 53 5.15	0.009	07	0.18	59.540	15	38.1	5.25	18	38.1	A0		C9	2979	P -53 1686
98	8.8	9.2W	26 0.451	0.0020	06	-59 22 55.72	-0.003	06	0.14	0.443	14	46.2	55.71	14	46.2	B9		C0	2238	P -59 1046
99	8.2E	8.2H	26 8.424	-0.0027	12	-51 25 41.30	0.017	12	0.82	8.550	63	03.3	42.09	57	03.3	B9		CZ	5965	P -51 1485
00	8.9E	8.6H	26 9.890	-0.0025	12	-50 22 34.42	-0.004	12	0.64	10.009	31	02.5	34.22	28	02.5	B9		CZ	5964	P -50 1617

236000 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″/001	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		6.4T	8 26 10.104	-0.0023	10	-54 50 42.77	-0.011	08	0.50	10.224	19	98.4	42.13	17	91.8	A0	GC	11594	P -54 1647
2		5.1T	26 14.281	-0.0078	07	-52 55 20.63	0.012	05	0.29	14.589	12	10.7	21.18	12	04.0	F0	GC	11595	P*-52 1484
3	9.8	9.5W	26 27.791	-0.0005	07	-59 5 54.25	0.041	07	0.14	27.793	14	46.2	54.41	14	46.2	F8	CO	2239	P -58 1133
4	9.6	9.4W	26 35.488	0.0061	15	-55 12 55.42	0.021	15	0.24	35.415	15	38.1	55.67	18	38.1	F5 ○	C9	2983	P -54 1651
5	7.3E	8.0H	26 37.029	-0.0022	12	-51 4 6.89	-0.008	12	0.70	37.131	45	04.2	6.54	45	04.2	B9	CZ	5973	P -50 1621
6		9.0T	26 47.104	-0.0006	18	-52 35 35.45	0.002	18	0.82	47.132	22	06.5	35.54	21	06.6	K0	GC	11606	P -52 1490
7	9.7	9.8W	26 47.591	-0.0001	14	-51 55 55.92	0.002	14	0.24	47.590	15	38.1	55.95	18	38.1	A8 ○	C9	2987	P -51 1492
8		7.6T	26 49.470	-0.0054	17	-51 36 12.14	-0.003	11	0.76	49.734	21	01.3	11.99	22	96.5	B9	GC	11608	C -51 3041
9	9.2	9.0W	26 52.158	-0.0044	06	-57 34 39.30	0.003	06	0.14	52.175	14	46.2	39.31	14	46.2	F0	CO	2240	P -57 1532
10	9.3E	9.8H	26 56.439	-0.0001	12	-50 2 45.56	-0.014	12	0.70	56.443	45	04.1	44.91	45	04.1	B9	CZ	5982	P -49 1659
11	10.2	9.7W	27 6.454	-0.0080	09	-52 44 46.10	-0.022	09	0.20	6.550	15	38.1	45.84	18	38.1	G2 ○	C9	2988	P -52 1493
12	8.9E	8.8H	27 6.871	-0.0042	12	-51 22 17.75	0.067	12	0.66	7.074	31	01.2	21.02	31	01.2	F2	CZ	5985	P -51 1497
13		8.4T	27 9.120	-0.0027	18	-55 52 26.89	-0.027	18	0.82	9.238	22	07.0	25.74	22	06.8	B9	GC	11619	P -55 1563
14	9.4	9.6W	27 13.180	-0.0009	07	-52 17 30.77	0.023	07	0.18	13.190	15	38.1	31.05	18	38.1	A	C9	2990	P -52 1495
15	10.1		27 19.623	-0.0006	14	-51 57 17.19	0.005	14	0.24	19.630	15	38.1	17.25	18	38.1	A	C9	2991	P*-51 1498
16	8.6	8.7W	27 22.137	-0.0020	06	-57 38 31.82	-0.028	06	0.14	22.145	14	46.2	31.71	14	46.2	A5	CO	2241	P -57 1534
17	7.7	8.0W	27 22.539	0.0016	07	-54 19 53.13	0.011	07	0.18	22.520	15	38.1	53.25	18	38.1	B9	C9	2992	P -54 1661
18	10.1	9.6W	27 24.676	-0.0007	09	-55 47 56.71	-0.079	09	0.20	24.684	15	38.1	55.77	18	38.1	G5	C9	2993	P -55 1568
19	8.8	7.8W	27 29.698	-0.0019	07	-58 12 8.50	0.003	07	0.14	29.705	14	46.2	8.51	14	46.2	K0	CO	2242	P -57 1535
20	9.9	9.0W	27 31.755	-0.0029	09	-52 47 36.87	-0.019	09	0.20	31.790	15	38.1	36.64	18	38.1	K2	C9	2994	P -52 1497
21		7.4I	27 42.525	-0.0004	12	-59 57 17.92	-0.014	09	0.53	42.545	18	04.9	17.25	17	00.9	G5	GC	11632V	P*-59 1048
22	8.8E	9.1H	27 45.794	-0.0015	12	-50 4 56.75	-0.014	12	0.70	45.862	45	04.1	56.10	45	04.1	B9	CZ	6008	P -49 1667
23	9.5	8.4W	27 47.322	-0.0023	07	-53 5 30.81	0.020	07	0.18	47.350	15	38.1	31.04	18	38.1	K0	C9	2995	P -52 1500
24	9.3	9.0W	27 49.207	-0.0047	07	-57 59 3.19	0.032	07	0.14	49.225	14	46.2	3.31	14	46.2	F8	CO	2245	P -57 1538
25	9.5	9.3W	27 49.730	-0.0012	06	-57 40 0.54	0.018	06	0.14	49.735	14	46.2	0.61	14	46.2	F0	CO	2246	P -57 1537
26	10.0	9.9W	27 55.939	0.0011	11	-58 28 41.42	-0.003	11	0.15	55.935	14	46.2	41.41	14	46.2	A3	CO	2247	P -58 1134
27	9.5	9.4W	28 3.345	-0.0021	07	-52 53 2.37	0.065	07	0.18	3.370	15	38.1	3.14	18	38.1	G	C9	2996	P -52 1501
28		6.6T	28 9.754	-0.0018	08	-54 2 37.48	0.002	06	0.34	9.826	12	09.1	37.57	12	03.9	B9	GC	11644	P -53 1707
29	10.3		28 14.215	0.0012	14	-51 57 22.15	-0.009	14	0.24	14.200	15	38.1	22.05	18	38.1	A5	C9	2998	P*-51 1500
30	9.8	9.6W	28 17.812	-0.0009	07	-56 40 33.80	-0.023	07	0.14	17.816	14	46.2	33.71	14	46.2	G0	CO	2248	P -56 1667
31	7.5	7.7W	28 18.614	-0.0018	07	-55 14 55.80	0.023	07	0.18	18.635	15	38.1	56.07	18	38.1	A0	C9	2999	P -55 1572
32		6.4T	28 18.956	-0.0020	09	-55 1 20.13	-0.016	08	0.50	19.071	19	98.7	19.24	18	93.1	G0	GC	11646	P -54 1667
33	10.2	9.6W	28 20.299	-0.0479	09	-54 6 32.83	0.120	09	0.20	20.870	15	38.1	34.25	18	38.1	G4 ○	C9	3001	P -53 1708
34	8.9	9.1W	28 38.541	-0.0038	11	-57 6 52.70	0.029	11	0.15	38.556	14	46.2	52.81	14	46.2	B9	CO	2251	P -56 1674
35		8.5T	28 41.743	-0.0033	15	-54 39 31.24	-0.012	11	0.65	41.896	21	04.0	30.63	19	99.0	A3	GC	11658	P -54 1672
36	8.6	8.6W	28 42.196	0.0005	06	-51 55 46.03	-0.024	06	0.18	42.190	15	38.1	45.75	18	38.1	A3	C9	3003	P*-51 1501
37	8.5	8.7W	28 42.201	-0.0013	07	-56 45 36.79	0.005	07	0.14	42.206	14	46.2	36.81	14	46.2	A2	CO	2252	P -56 1675
38	10.4	9.3W	28 46.890	-0.0042	07	-51 58 19.20	-0.005	07	0.18	46.940	15	38.1	19.15	18	38.1	K5	C9	3004	P*-51 1502
39		7.2T	28 47.302	0.0067	13	-50 57 57.50	0.029	12	0.69	46.966	19	00.2	58.99	18	97.8	A0	GC	11663	C -50 3378
40		8.1T	28 48.729	0.0021	14	-50 48 7.25	-0.019	11	0.68	48.625	22	01.3	6.20	21	96.1	F0	GC	11664	C -50 3379
41	9.8	10.0W	29 12.840	-0.0016	07	-56 34 53.86	0.012	07	0.14	12.846	14	46.2	53.91	14	46.2	A0	CO	2253	P -56 1678
42	9.7	8.7W	29 20.720	-0.0035	09	-59 2 41.01	-0.027	09	0.14	20.733	14	46.2	40.91	14	46.2	K0	CO	2254	P -58 1137
43	8.3E	8.2H	29 23.847	-0.0026	12	-50 41 2.66	-0.003	12	0.70	23.965	45	04.2	2.53	45	04.2	A0	CZ	6047	P -50 1641
44	9.1E	9.6H	29 38.160	-0.0029	12	-50 12 29.73	-0.028	12	0.70	38.293	45	04.2	28.44	45	04.2	A0	CZ	6054	P -49 1679
45	8.8	8.9W	29 41.594	-0.0005	07	-52 30 54.50	0.012	07	0.18	41.600	15	38.1	54.64	18	38.1	A3	C9	3007	P -52 1511
46	9.6	9.7W	29 43.053	0.0000	06	-59 25 15.30	0.003	06	0.14	43.053	14	46.2	15.31	14	46.2	A0	CO	2255	P -59 1054
47	9.8	10.0W	29 47.582	-0.0028	08	-59 7 5.08	0.007	08	0.14	47.593	14	46.2	5.11	14	46.2	A2	CO	2256	P -58 1140
48		8.3T	29 47.849	0.0068	15	-53 55 12.97	0.156	14	0.70	47.540	21	04.8	20.30	21	03.0	G5	GC	11686	P -53 1721
49	9.9		29 55.887	-0.0011	15	-53 24 46.53	0.094	15	0.24	55.900	15	38.1	47.64	18	38.1	A0 ○	C9	3009	P -53 1723
50	8.6E	8.6H	29 58.118	-0.0002	12	-51 28 59.76	-0.014	12	0.66	58.128	31	01.2	59.07	31	01.2	A3	CZ	6069	P -51 1508
51	9.5E	9.5H	8 29 59.349	-0.0023	12	-50 25 1.54	-0.010	12	0.70	59.455	45	04.2	1.08	45	04.2	F2	CZ	6068	P -50 1645
52	9.2	9.6W	30 0.122	-0.0026	07	-55 50 39.47	-0.033	07	0.18	0.091	15	38.1	39.08	18	38.1	A0	C9	3010	P -55 1584
53	9.0	9.3W	30 2.309	-0.0016	06	-57 40 5.73	-0.005	06	0.14	2.315	14	46.2	5.71	14	46.2	B9	CO	2257	P -57 1554
54	9.7	9.5W	30 6.593	-0.0044	07	-55 49 56.09	-0.010	07	0.18	6.540	15	38.1	55.97	18	38.1	F8 ○	C9	3011	P -55 1585
55		6.2T	30 9.330	0.0020	14	-54 13 23.20	-0.048	12	0.66	9.238	21	03.7	20.79	19	00.2	K2	GC	11701	P -53 1729
56			30 11.601	-0.0028	06	-59 3 25.26	-0.012	06	0.14	11.612	14	46.2	25.21	14	46.2	A0	CO	2259V	P*-58 1143
57	10.1	9.8W	30 18.334	0.0005	11	-58 49 16.43	-0.006	11	0.15	18.332	14	46.2	16.41	14	46.2	G0	CO	2260	P -58 1144
58		8.1T	30 24.463	-0.0014	13	-55 37 48.58	-0.024	11	0.63	24.537	21	03.4	47.34	18	98.4	K0	GC	11708	P -55 1588
59	9.6E	9.8H	30 25.892	-0.0026	12	-51 13 16.68	-0.012	12	0.82	26.011	63	03.3	17.25	57	03.3	A3	CZ	6076	P -50 1646
60		9.5T	30 31.412	-0.0018	17	-55 38 10.56	-0.022	18	0.80	31.492	22	06.6	9.59	22	06.3	G5	GC	11710	P -55 1589
61	9.0	9.4W	30 36.307	-0.0030	07	-52 5 14.25	0.017	07	0.18	36.343	15	38.1	14.46	18	38.1	A0	C9	3015	P -51 1511
62		5.8T	30 41.576	-0.0026	13	-53 2 29.17	0.006	09	0.57	41.693	18	04.1	29.45	17	99.2	+++	GC	11713K	P*-52 1517
63		7.6T	30 44.752	0.0002	17	-56 12 1.16	-0.015	17	0.77	44.741	22	06.5	0.50	22	06.3	K0	GC	11716	P -55 1591
64	8.9E	7.7H	30 46.980	-0.0023	12	-50 48 2.80	-0.006	12	0.70	47.087	45	04.2	2.54	45	04.2	F8	CZ	6088D	P*-50 1647
65	8.9E	9.1H	30 52.360	-0.0005	12	-50 2 56.60	-0.021	12	0.64	52.382	31	02.4	55.62	28	02.4	A0	CZ	6094	P -49 1690
66		8.0T	30 57.544	-0.0012	12	-56 27 47.30	0.008	10	0.55	57.601	18	06.7	47.69	18	00.0	G5	GC	11725	P -56 1696
67	9.0	9.0W	31 8.877	0.0021	06	-53 57 7.78	0.015	06	0.18	8.852	15	38.1	7.96	18	38.1	F0	C9	3017	P -53 1735
68	9.5E	10.0H	31 10.443	-0.0004	12	-50 2 19.42	-0.006	12	0.70	10.459	45	04.1	19.15	45	04.1	B9	CZ	6100	P -49 1693
69	7.8	8.0W	31 11.091	0.0016	06	-55 14 16.95	0.002	06	0.18	11.072	15	38.1	16.97	18	38.1	A0	C9	3018	P -54 1681
70	9.9	9.6W	31 14.917	-0.0023	09	-57 13 8.65	0.015	09	0.14	14.926	14	46.2	8.71	14	46.2	G0	CO	2265	P -56 1702
71	9.5E	10.0H	31 16.585	-0.0032	12	-51 2 12.04	0.011	12	0.65	16.729	36	04.2	12.57	36	04.2	A2	CZ	6106	P -50 1648
72	9.0	9.1W	31 16.610	-0.0002	07	-53 14 4.43	0.002	07	0.18	16.612	15	38.1	4.46	18	38.1	F0	C9	3019	P -52 1520
73		7.2T	31 17.216	-0.0036	14	-54 57 8.21	0.019	11	0.65	17.380	21	04.0	9.15	19	99.7	B9	GC	11735	P -54 1683
74	10.3	9.2W	31 19.747	-0.0020	09	-57 43 5.93	-0.033	09	0.14	19.755	14	46.2	5.81	14	46.2	K0	CO	2266	P -57 1564
75		7.4T	31 23.715	-0.0004	14	-55 17 54.45	-0.002	11	0.64	23.737	21	03.5	54.34	19	98.4	A0	GC	11740	P -55 1595
76	9.8	9.4W	31 23.897	-0.0012	07	-55 47 38.26	-0.007	07	0.18	23.911	15	38.1	38.17	18	38.1	G	C9	3022	P -55 1596
77	9.1	9.4W	31 26.751	-0.0018	07	-52 22 34.86	-0.000	07	0.18	26.772	15	38.1	34.86	18	38.1	A0	C9	3023	P -52 1522
78	10.0	9.1W	31 28.980	0.0008	07	-55 42 18.95	-0.023	07	0.18	28.970	15	38.1	18.67	18	38.1	K0	C9	3024	P -55 1599
79	9.4	9.2W	31 35.670	-0.0011	08	-58 24 14.55	-0.011	08	0.14	35.674	14	46.2	14.51	14	46.2	A3	CO	2267	P -58 1149
80	9.9	9.6W	31 47.501	-0.0010	09	-52 47 50.70	-0.046	09	0.20	47.512	15	38.1	50.16	18	38.1	G0 ○	C9	3025	P -52 1526
81		7.2T	31 50.774	-0.0007	15	-56 13 29.18	0.003	11	0.68	50.813	21	03.5	29.33	19	98.2	A0	GC	11749	P -55 1606
82	9.0	9.1W	32 5.906	-0.0004	07	-56 4 47.36	-0.017	07	0.14	5.907	14	46.2	47.30	14	46.2	A2	CO	2269	P -55 1609
83	8.8	9.0W	32 6.421	-0.0012	07	-57 11 23.72	-0.002	07	0.14	6.426	14	46.2	23.71	14	46.2	A0	CO	2270	P -56 1710
84	9.4	9.7W	32 10.490	0.0015	07	-53 10 24.06	-0.034	07	0.18	10.472	15	38.1	23.66	18	38.1	B9	C9	3028	P -52 1531
85	9.6	8.5W	32 14.547	-0.0021	06	-57 42 31.76	-0.013	06	0.14	14.555	14	46.2	31.71	14	46.2	K2	CO	2271	P -57 1573
86	8.7E	8.5H	32 25.641	-0.0006	12	-50 32 20.72	-0.005	12	0.71	25.670	45	03.7	20.47	45	03.7	A3	CZ	6141	P -50 1654
87	8.3	8.4W	32 31.847	-0.0013	07	-51 58 52.60	0.014	07	0.18	31.863	15	38.1	52.76	18	38.1	A2	C9	3029	P -51 1526
88	9.3E	9.2H	32 43.571	-0.0023	12	-50 37 48.90	0.007	12	0.71	43.679	45	03.7	49.20	45	03.7	A2	CZ	6153	P -50 1655
89	9.7E	9.8Z	32 43.715	-0.0023	12	-51 24 30.86	0.011	12	0.82	43.820	63	03.3	31.35	57	03.3		CZ	6155	P -51 1528
90	8.7	9.2W	32 45.362	-0.0010	07	-56 57 4.38	0.008	07	0.14	45.366	14	46.2	4.41	14	46.2	A0	CO	2272	P -56 1714
91		6.9T	32 45.541	0.0010	14	-52 53 54.44	0.020	11	0.63	45.494	21	04.6	55.45	19	98.6	B5	GC	11767	P -52 1532
92	9.6E	10.0H	32 50.001	-0.0039	12	-51 32 23.95	0.002	12	0.82	50.184	63	03.3	24.03	57	03.3	G5	CZ	6156	P -51 1530
93		6.6T	32 59.885	-0.0005	11	-50 55 13.02	-0.009	08	0.55	59.910	22	98.0	12.50	19	90.0	B5	GC	11774	C*-50 3407
94	8.2	8.4W	33 4.290	-0.0019	07	-54 29 40.02	0.012	07	0.18	4.312	15	38.1	40.16	18	38.1	B9	C9	3031	P -54 1693
95	9.2E	9.1H	33 19.132	-0.0003	12	-50 29 28.58	-0.020	12	0.71	19.145	45	03.7	27.63	45	03.7	F2	CZ	6170	P -50 1659
96	9.5E	9.6H	33 19.523	-0.0018	12	-51 20 54.98	0.005	12	0.82	19.605	63	03.3	55.20	57	03.3	A0	CZ	6173	P -51 1533
97	9.5	9.3W	33 20.803	-0.0016	07	-53 18 42.01	-0.005	07	0.18	20.822	15	38.1	41.96	18	38.1	G5	C9	3032	P -53 1755
98	9.0	9.2W	33 34.544	-0.0015	06	-52 35 35.10	-0.004	06	0.18	34.562	15	38.1	35.06	18	38.1	B8	C9	3033	P -52 1539
99		7.6T	33 45.030	0.0035	12	-58 37 18.94	-0.076	12	0.56	44.870	18	08.0	15.49	18	04.5	F0	GC	11791	P -58 1153
00		6.9T	33 48.571	-0.0026	13	-54 1 56.89	0.017	11	0.64	48.693	21	03.3	57.75	19	97.9	B9	GC	11792	P -53 1760

236100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 8H DM NUMBER
1	8.7E	9.1H	8 33 52.579	0.0013	12	-50 10 23.69	0.022	12	0.63	52.515	28	02.2	24.73	26	02.2	FD	CZ	6185	P -49 1722
2		7.5T	33 54.546	-0.0034	13	-51 38 47.90	0.012	10	0.58	54.705	18	03.8	48.51	17	98.5	KD	GC	11794	C -51 3099
3	9.2	9.8W	33 56.763	0.0010	07	-55 52 39.43	-0.013	07	0.18	56.751	15	38.1	39.27	18	38.1	AD	C9	3035	P -55 1625
4	9.9E	9.3Z	34 1.386	-0.0016	12	-51 29 59.58	0.005	12	0.82	1.459	63	03.3	59.80	57	03.3		CZ	6191	P -51 1537
5		5.4T	34 5.838	-0.0041	08	-58 3 3.51	0.004	05	0.29	6.011	12	13.0	3.69	12	08.1	B3	GC	11796	P#-57 1590
6		4.8T	34 8.841	0.0051	08	-57 50 8.00	0.021	06	0.30	8.609	12	10.2	8.98	10	04.2	KD	GC	11797	P#-57 1591
7		7.8T	34 10.639	-0.0027	13	-54 55 44.08	-0.015	10	0.61	10.764	21	02.8	43.28	19	97.8	B9	GC	11798	P -54 1702
8	9.2	7.6W	34 14.589	-0.0003	07	-52 8 53.87	-0.000	07	0.18	14.582	15	38.1	53.86	18	38.1	MB	C9	3037	P -51 1539
9	9.0	9.3W	34 15.106	0.0002	11	-57 8 1.98	0.008	11	0.15	15.106	14	46.2	2.01	14	46.2	AD	CD	2279	P -56 1731
10		6.0T	34 22.442	-0.0008	06	-50 47 43.88	-0.005	05	0.27	22.475	10	06.8	43.65	09	02.3	B9	GC	11805	C#-50 3417
11	9.7	9.1W	34 36.995	-0.0015	07	-53 26 24.39	0.022	07	0.18	37.012	15	38.1	24.66	18	38.1	F8	C9	3038	P#-53 1770
12		7.2T	34 37.481	-0.0146	13	-56 11 59.26	0.061	11	0.62	38.237	21	02.9	2.40	18	98.4	F2	GC	11809	P -55 1630
13	8.8E	9.1H	34 45.453	-0.0019	12	-51 46 19.67	0.012	12	0.82	45.543	63	03.3	20.24	57	03.3	B9	CZ	6209	P -51 1540
14	9.3	9.5W	34 45.670	-0.0002	07	-53 18 13.46	-0.017	07	0.18	45.672	15	38.1	13.26	18	38.1	AD	C9	3039	P -53 1773
15	8.9	8.9W	34 48.716	-0.0005	07	-52 9 34.65	0.000	07	0.18	48.723	15	38.1	34.66	18	38.1	F2	C9	3040	P -51 1541
16	9.4E	9.2H	34 53.429	-0.0031	12	-50 4 51.18	0.018	12	0.71	53.571	45	03.6	52.00	45	03.6	F5	CZ	6211	P -49 1733
17		6.9T	34 55.584	-0.0009	12	-56 32 13.34	-0.050	11	0.60	55.634	18	00.7	10.67	17	96.7	F5	GC	11819	P -56 1735
18	8.2	8.5W	34 58.844	-0.0007	04	-52 51 41.88	0.040	04	0.17	58.852	15	38.1	42.36	18	38.1	AD	C9	3041	P -52 1545
19	8.7	8.7W	34 58.933	-0.0008	09	-52 2 36.67	0.024	09	0.20	58.943	15	38.1	36.96	18	38.1	A3	C9	3042	P -51 1544
20		8.5T	35 7.304	-0.0017	13	-56 41 45.41	0.005	12	0.64	7.392	21	02.4	45.66	19	99.7	AD	GC	11828	P -56 1738
21		9.5T	35 11.614	0.0001	16	-56 42 19.15	0.014	14	0.72	11.611	22	05.4	19.80	21	03.7	AD	GC	11830	P -56 1740
22	10.0	9.8W	35 16.390	-0.0091	07	-58 2 41.93	0.021	07	0.14	16.425	14	46.2	42.01	14	46.2	F5	CD	2285	P -57 1602
23	7.5	7.3W	35 19.531	-0.0010	06	-52 20 26.16	-0.000	06	0.18	19.543	15	38.1	26.16	18	38.1	FD	C9	3043	P -52 1548
24	9.8	9.9W	35 32.663	-0.0016	15	-53 13 32.82	-0.039	15	0.24	32.682	15	38.1	32.36	18	38.1	AD	C9	3044	P -52 1551
25	7.7	7.9W	35 46.211	-0.0043	06	-53 5 1.60	0.030	06	0.18	46.262	15	38.1	1.96	18	38.1	AD	C9	3045	P -52 1552
26	9.5	9.6W	35 47.928	-0.0012	14	-51 53 40.74	0.044	14	0.24	47.943	15	38.1	41.26	18	38.1	AD	C9	3046	P -51 1548
27	9.4E	9.6H	35 51.279	-0.0027	12	-50 50 6.08	0.014	12	0.71	51.406	45	03.7	6.71	45	03.7	AD	CZ	6247	P -50 1677
28	9.7E	9.1H	35 54.130	-0.0007	12	-51 5 8.85	0.012	12	0.71	54.165	45	03.7	9.39	45	03.7	KD	CZ	6248	P -50 1680
29	9.1	9.0W	36 0.442	-0.0000	07	-52 28 10.06	0.017	07	0.18	0.443	15	38.1	10.26	18	38.1	F5	C9	3047	P -52 1554
30	8.8	8.2W	36 7.232	-0.0101	07	-53 25 0.95	0.076	07	0.18	7.352	15	38.1	1.86	18	38.1	G5	C9	3048	P -53 1780
31	8.9	8.8W	36 15.857	-0.0046	07	-54 0 29.55	0.043	07	0.18	15.912	15	38.1	30.07	18	38.1	FD	C9	3049	P -53 1784
32	9.7	8.7W	36 18.950	-0.0045	13	-56 5 9.99	0.028	13	0.15	18.967	14	46.2	10.10	14	46.2	G5	CD	2288	P -55 1643
33	10.1	9.6W	36 19.306	-0.0049	08	-58 18 5.58	0.009	08	0.14	19.324	14	46.2	5.61	14	46.2	F8	CD	2289	P -58 1161
34		7.5T	36 22.747	-0.0011	14	-54 49 5.72	0.006	11	0.65	22.796	21	03.1	6.01	19	98.9	K5	GC	11863	P -54 1717
35	8.1E	8.7H	36 47.767	-0.0008	12	-50 19 54.73	-0.015	12	0.64	47.804	31	02.2	53.99	28	02.2	B5	CZ	6268	P -50 1691
36	9.6E	9.4H	36 51.760	-0.0029	12	-50 57 41.32	0.016	12	0.71	51.896	45	03.7	42.04	45	03.7	AD	CZ	6271	P -50 1692
37	10.8E	10.5H	36 52.122	-0.0065	12	-50 57 31.00	0.017	12	0.71	52.424	45	03.7	31.78	45	03.7	AD	CZ	6272	P -50 1692
38	9.3	9.5W	36 52.986	-0.0021	07	-55 33 28.94	-0.014	07	0.18	53.011	15	38.1	28.78	18	38.1	B3	C9	3052	P -55 18882
39	10.0	9.4W	36 56.822	-0.0017	07	-54 34 17.55	0.002	07	0.18	56.842	15	38.1	17.57	18	38.1	KD	C9	3053	P -54 1722
40	7.5	7.7W	37 0.437	-0.0021	06	-53 32 42.69	0.040	06	0.18	0.463	15	38.1	43.16	18	38.1	AD	C9	3054	P -53 1789
41	8.7E	7.3H	37 14.536	-0.0001	12	-51 5 49.87	0.010	12	0.62	14.542	26	02.5	50.34	24	02.5	G5	CZ	6280	P -50 1696
42		6.5T	37 19.685	-0.0013	11	-52 54 49.01	0.012	07	0.54	19.747	19	00.4	49.69	18	91.3	B9	GC	11890K	P -52 1565
43	9.2	7.6W	37 23.708	-0.0004	06	-53 20 44.22	0.020	06	0.18	23.712	15	38.1	44.46	18	38.1	MA	C9	3056	P -53 1793
44	9.1	9.4W	37 24.191	-0.0018	11	-51 59 7.48	0.015	11	0.21	24.213	15	38.1	7.66	18	38.1	AD	C9	3057	P -51 1561
45	9.8E	9.6H	37 26.037	-0.0007	12	-51 31 29.64	0.004	12	0.65	26.071	31	01.9	29.82	28	01.9	A3	CZ	6283	P -51 1562
46	9.1E	9.2H	37 30.578	-0.0013	12	-51 24 19.54	0.005	12	0.71	30.637	45	03.3	19.76	45	03.3	AD	CZ	6285	P -51 1564
47	8.9	8.7W	37 37.108	-0.0046	07	-52 32 1.86	0.008	07	0.18	37.162	15	38.1	1.96	18	38.1	F2	C9	3058	P#-52 1569
48		7.4T	37 46.434	-0.0028	12	-55 45 53.54	0.006	10	0.59	46.479	21	01.2	53.85	19	97.2	F5	GC	11911	P -55 1660
49	8.5	8.6W	37 49.310	-0.0027	11	-52 45 11.25	0.017	11	0.21	49.343	15	38.1	11.46	18	38.1	A3	C9	3060	P -51 1565
50	9.2	9.5W	37 53.002	-0.0000	07	-53 6 26.81	-0.030	07	0.18	53.002	15	38.1	26.46	18	38.1	A2	C9	3061	P -52 1574
51		5.6T	8 37 59.375	-0.0036	09	-53 15 44.26	0.018	06	0.32	59.508	14	12.7	45.02	12	06.6	B5	GC	11917	P#-53 1796
52	9.7	9.9W	37 59.970	0.0032	15	-55 11 20.16	0.026	15	0.24	59.932	15	38.1	20.47	18	38.1	AD	C9	3063	P -54 1730
53	9.5	9.7W	38 8.068	-0.0036	06	-58 41 2.31	-0.001	06	0.14	8.082	14	46.2	2.31	14	46.2	A2	CD	2291	P -58 1167
54	9.6	9.9W	38 10.209	-0.0009	07	-58 42 6.52	-0.004	07	0.14	10.212	14	46.2	6.51	14	46.2	A	CD	2293	P -58 1168
55	9.1	9.1W	38 17.286	-0.0047	07	-52 47 11.17	0.015	07	0.18	17.342	15	38.1	11.36	18	38.1	F2	C9	3064	P -52 1578
56	10.0		38 28.782	-0.0025	09	-58 54 34.99	0.003	09	0.14	28.792	14	46.2	35.01	14	46.2	B8	CD	2294	P -58 1170
57		5.4T	38 32.019	-0.0028	08	-52 52 36.67	0.011	05	0.31	32.131	14	09.5	37.18	12	01.5	B5	GC	11933K	P#-52 1579
58			38 32.986	-0.0022	05	-52 52 21.39	0.005	05	0.18	33.012	15	38.1	21.46	18	38.1		C9	3066	P#-52 1579
59	9.5E	9.5Z	38 34.033	-0.0035	12	-51 44 48.80	0.029	12	0.82	34.199	63	03.3	50.17	57	03.3		CZ	6307	P -51 1569
60	7.0	7.3W	38 34.317	-0.0030	08	-53 4 58.91	0.012	08	0.19	34.352	15	38.1	59.06	18	38.1	AD	C9	3067	P -52 1581
61	8.5	8.6W	38 35.168	-0.0029	07	-52 31 31.46	0.016	07	0.18	35.202	15	38.1	31.66	18	38.1	A5	C9	3068	P -52 1580
62		7.4T	38 39.436	0.0004	14	-53 40 24.10	-0.023	11	0.64	39.417	21	03.7	22.89	19	98.4	A3	GC	11940	P -53 1804
63		7.5T	38 39.840	-0.0042	16	-51 45 48.00	-0.000	11	0.70	40.040	22	02.8	47.99	19	98.6	B8	GC	11941	C -51 3141
64		5.7H	38 51.636	-0.0022	03	-52 44 37.11	0.019	03	0.12	51.715	06	14.2	37.82	06	12.9	B3	F4	1227	P -52 1583
65		5.7T	38 51.683	-0.0035	09	-52 50 13.35	0.029	06	0.35	51.821	15	10.1	14.65	14	04.7	B5	GC	11944	P#-52 1584
66		6.8T	38 52.536	0.0000	12	-59 22 7.19	-0.008	10	0.54	52.535	18	03.2	6.81	17	01.8	B9	GC	11945	P -59 1078
67	9.8	8.9W	38 52.605	-0.0026	07	-58 13 8.30	0.002	07	0.14	52.615	14	46.2	8.31	14	46.2	G5	CD	2296	P -57 1638
68	9.5	8.7W	38 52.649	-0.0039	07	-53 15 50.34	-0.024	07	0.18	52.602	15	38.1	50.06	18	38.1	KD	C9	3072	P -53 1808
69	9.8	9.5W	38 53.235	-0.0014	07	-53 57 23.51	-0.021	07	0.18	53.252	15	38.1	23.77	18	38.1	F8	C9	3073	P -53 1809
70	9.5E	9.3H	38 58.441	-0.0015	12	-50 27 17.73	-0.001	12	0.71	58.508	45	03.7	17.66	45	03.7	AD	CZ	6321	P -50 1711
71	9.5	9.3W	39 1.197	-0.0077	07	-56 35 54.27	0.037	07	0.14	1.226	14	46.2	54.41	14	46.2	G0	CD	2297	P -56 1781
72		7.4T	39 4.767	-0.0028	14	-50 50 6.65	0.015	12	0.70	4.901	18	01.5	7.45	21	98.0	K5	GC	11954	C -50 3474
73	10.0	8.6W	39 12.013	-0.0031	09	-58 11 48.80	-0.023	09	0.14	12.025	14	46.2	48.71	14	46.2	K0	CD	2298	P -57 1642
74	9.7E	11.5H	39 13.853	-0.0010	12	-50 57 1.36	-0.011	12	0.71	13.901	45	03.7	0.84	45	03.7	A2	CZ	6328	P -50 1715
75	8.8	9.0W	39 14.323	0.0017	07	-53 55 49.48	-0.027	07	0.18	14.302	15	38.1	49.16	18	38.1	B9	C9	3074	P -53 1813
76		8.3T	39 14.807	-0.0034	18	-50 51 32.02	0.022	13	0.80	14.962	24	03.9	33.16	21	99.1	G5	GC	11956	C -50 3478
77	7.0	7.3W	39 22.104	-0.0024	06	-52 37 23.17	0.024	06	0.18	22.132	15	38.1	23.46	18	38.1	AD	C9	3075	P -52 1587
78	9.1	8.8W	39 28.132	0.0033	07	-54 21 46.36	-0.008	07	0.18	28.092	15	38.1	46.26	18	38.1	F5	C9	3076	P -54 1745
79		6.5T	39 30.159	-0.0020	12	-57 21 59.24	0.024	07	0.45	30.262	15	07.7	+ 0.45	15	99.6	A2	GC	11963K	P#-57 1644
80	8.0	8.0W	39 30.274	-0.0035	07	-55 59 19.21	-0.004	07	0.14	30.287	14	46.2	19.20	14	46.2	A3	CD	2300	P -55 1674
81		4.4T	39 30.828	-0.0005	06	-59 34 55.65	-0.004	04	0.25	30.852	09	05.2	55.46	09	02.4	B2	GC	11964	P#-59 1080
82	9.6	9.8W	39 37.274	0.0018	15	-53 35 42.84	-0.023	15	0.24	37.252	15	38.1	42.57	18	38.1	AD	C9	3078	P -53 1817
83	9.4E	9.6H	39 42.965	-0.0035	12	-50 27 33.92	0.012	12	0.71	43.126	45	03.7	34.46	45	03.7	A5	CZ	6349D	P#-50 1722
84	9.8	9.9W	39 54.125	-0.0030	07	-55 31 34.95	0.002	07	0.18	54.161	15	38.1	34.97	18	38.1	A2	C9	3079	P -55 1677
85	8.5	8.2W	39 56.173	-0.0008	06	-57 17 55.85	-0.010	06	0.14	56.176	14	46.2	55.81	14	46.2	F8	CD	2302	P -57 1648
86	9.8	9.8W	39 58.248	-0.0054	15	-53 27 23.05	0.034	15	0.24	58.312	15	38.1	23.46	18	38.1	F8	C9	3080	P -53 1819
87	9.9	9.9W	40 9.603	-0.0023	08	-58 36 59.91	-0.000	08	0.14	9.612	14	46.2	59.91	14	46.2	A2	CD	2303	P -58 1175
88	9.7E	9.6H	40 15.066	-0.0044	12	-50 8 54.88	-0.005	12	0.70	15.265	45	04.2	54.63	45	04.2	FD	CZ	6363	P -49 1779
89	9.6	9.3W	40 18.690	0.0129	06	-59 39 20.84	-0.114	06	0.14	18.641	14	46.2	20.41	14	46.2	G0	CD	2304	P -59 1084
90		8.0T	40 20.359	-0.0072	13	-52 52 58.72	0.007	11	0.63	20.700	21	02.3	59.06	19	97.8	A3	GC	11981	P -52 1598
91	9.6E	9.6H	40 21.927	-0.0035	12	-50 20 34.99	-0.003	12	0.71	22.088	45	03.7	34.83	45	03.7	A2	CZ	6366	P -50 1728
92	9.1	8.5W	40 24.380	-0.0111	07	-54 35 38.15	-0.023	07	0.18	24.512	15	38.1	37.87	18	38.1	G5	C9	3082	P -54 1758
93	9.5E	9.1H	40 27.150	-0.0042	12	-50 37 46.54	0.009	12	0.71	27.346	45	03.7	46.93	45	03.7	K2	CZ	6369	P -50 1730
94	9.8		40 28.011	0.0058	15	-54 47 11.24	0.028	15	0.24	27.942	15	38.1	11.57	18	38.1	B9	C9	3083	P -54 1759
95	9.9	9.6W	40 30.547	-0.0012	11	-58 53 46.36	-0.012	11	0.15	30.552	14	46.2	46.31	14	46.2	A5	CD	2306	P -58 1177
96	8.4	7.9W	40 39.910	-0.0027	07	-52 34 35.30	0.021	07	0.18	39.942	15	38.1	35.56	18	38.1	G5	C9	3084	P -52 1599
97	8.5	8.7W	40 41.953	-0.0016	07	-52 58 45.65	-0.008	07	0.18	41.972	15	38.1	45.56	18	38.1	AD	C9	3085	P -52 1600
98		7.4T	40 43.564	-0.0091	16	-52 47 15.39	0.019	11	0.67	43.796	21	04.2	16.33	19	99.3	AD	GC	11990	P -52 1601
99	9.3	8.2W	40 45.648	-0.0032	07	-59 40 33.81	0.025	07	0.14	45.661	14	46.2	33.91	14	46.2	K0	CD	2307	P -59 1086
00	9.6	9.6W	40 46.285	-0.0015	05	-52 55 15.60	0.013	05	0.18	46.302	15	38.1	15.76	18	38.1		C9	3087	P -52 1602

236200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-50° 8H DM NUMBER
1	7.7	7.9W	8 40 46.793	0.0017	08	-53 11 22.47	-0.001	08	0.19	46.772	15	38.1	22.46	18	38.1	B8		C9	3068	P -52 1603
2		5.7T	40 52.896	-0.0035	07	-52 55 11.54	0.022	06	0.30	53.033	14	10.4	12.53	12	04.1	B9		GC	11992	P*-52 1605
3	9.5	9.4W	40 54.183	-0.0025	15	-53 43 19.65	0.010	15	0.24	54.212	15	38.1	19.77	18	38.1	F2		C9	3091	P -53 1826
4	9.2E	8.5H	40 55.737	-0.0022	12	-51 39 48.65	0.001	12	0.82	55.841	63	03.3	48.68	57	03.3	G5		CZ	6385	P -51 1584
5		5.0T	40 59.375	-0.0020	08	-52 56 1.41	0.021	06	0.31	59.451	14	10.8	2.34	14	04.7	B5		GC	11997	P*-52 1607
6		6.1T	41 2.109	-0.0087	12	-55 35 40.07	0.051	11	0.60	2.547	21	02.3	42.62	19	99.8	K0		GC	11999	P -55 1688
7	9.2	9.1W	41 2.953	0.0002	07	-55 32 40.24	0.003	07	0.18	2.950	15	38.1	40.27	18	38.1	F0	O	C9	3094	P -55 1687
8	10.8	9.8W	41 9.470	0.0015	11	-52 17 51.95	0.010	11	0.21	9.452	15	38.1	52.06	18	38.1	K	O	C9	3096	P -52 1610
9	9.9		41 12.191	-0.0009	11	-58 21 20.43	-0.032	11	0.15	12.194	14	46.2	20.31	14	46.2	A0	O	C0	2308	P -58 1182
10		8.0W	41 21.652	0.0000	05	-59 20 47.56	0.012	05	0.14	21.652	14	46.2	47.61	14	46.2	A0		C0	2309	P -59 1088
11	9.1E	8.5H	41 23.028	-0.0018	12	-51 29 12.79	-0.012	12	0.66	23.114	31	01.2	12.19	31	01.2	A0		CZ	6407	P -51 1588
12	9.0	9.0W	41 25.059	-0.0022	07	-56 10 1.64	-0.012	07	0.14	25.067	14	46.2	1.60	14	46.2	F0		C0	2310	P -56 1693
13	9.5	8.4W	41 27.088	-0.0012	14	-52 19 59.70	0.056	14	0.24	27.103	15	38.1	0.36	18	38.1	K2		C9	3097	P -52 1617
14		8.2T	41 28.554	-0.0026	16	-53 34 10.07	-0.000	12	0.68	28.669	22	05.8	10.05	21	02.5	A3		GC	12015	P -53 1834
15	9.0	9.0W	41 29.788	-0.0020	13	-57 1 17.04	-0.061	13	0.15	29.796	14	46.2	16.81	14	46.2	F0		C0	2312	P -56 1816
16	9.7	8.6W	41 34.067	-0.0024	09	-57 23 49.24	0.044	09	0.14	34.076	14	46.2	49.41	14	46.2	K2		C0	2313	P -57 1656
17		7.6T	41 37.202	-0.0039	22	-52 53 50.85	-0.008	18	0.93	37.367	22	07.3	50.47	24	04.8	A2		GC	12020	P -52 1622
18	9.8E	10.0H	41 44.283	-0.0032	12	-50 54 51.71	0.003	12	0.64	44.438	31	02.2	51.84	28	02.2	A		CZ	6415	P -50 1741
19	9.2	9.3W	41 50.335	-0.0065	14	-52 25 19.31	0.012	14	0.24	50.413	15	38.1	19.46	18	38.1	F5		C9	3100	P -52 1625
20		7.4T	41 53.825	0.0007	26	-52 1 39.72	0.015	13	0.97	53.795	21	04.4	40.44	19	01.4	K0		GC	12025	C -51 3167
21	9.8	9.8W	41 55.480	-0.0044	13	-56 10 42.81	-0.004	13	0.15	55.497	14	46.2	42.80	14	46.2	A1	O	C0	2314	P*-55 1699
22		8.0T	42 3.823	-0.0045	20	-51 49 20.82	0.022	13	0.80	4.025	24	05.5	21.87	22	01.8	A2		GC	12030	C -51 3173
23		7.6T	42 10.181	-0.0051	13	-53 20 34.45	-0.031	10	0.59	10.413	21	04.0	32.87	17	99.7	A2		GC	12034	P -53 1842
24		7.4T	42 18.783	0.0028	14	-50 28 20.01	-0.102	12	0.70	18.646	19	00.7	14.70	18	97.8	F5		GC	12038	C -50 3518
25	10.1	9.9W	42 27.745	-0.0024	09	-58 19 40.21	-0.000	09	0.14	27.754	14	46.2	40.21	14	46.2	F0	O	C0	2316	P -58 1188
26	9.3E	9.4H	42 34.066	-0.0030	12	-50 18 27.94	0.001	12	0.71	34.203	45	03.7	27.97	45	03.7	A3		CZ	6443	P -50 1751
27	9.8	9.9W	42 44.263	-0.0024	11	-58 33 9.92	-0.003	11	0.15	44.272	14	46.2	9.91	14	46.2	A2		C0	2317	P -58 1191
28	8.4	8.4W	42 45.017	0.0000	06	-56 27 39.04	-0.012	06	0.14	45.017	14	46.2	39.00	14	46.2	A5		C0	2318	P -56 1829
29	8.0	8.3W	42 45.277	-0.0014	06	-59 24 19.09	0.006	06	0.14	45.282	14	46.2	19.11	14	46.2	A0		C0	2319	P -59 1092
30	8.7	8.6W	42 46.062	-0.0024	07	-55 35 27.16	0.035	07	0.18	46.091	15	38.1	27.58	18	38.1	F0		C9	3103	F -55 1706
31	8.5	8.1W	43 9.705	0.0079	09	-57 35 15.51	0.080	09	0.14	9.675	14	46.2	15.81	14	46.2	G0		C0	2320	P -57 1678
32		2.0M	43 19.382	0.0025	03	-54 31 28.26	-0.079	03	0.16	19.252	07	98.4	24.20	06	98.6	A0	J	F3	3300	*
33		7.4T	43 22.177	-0.0063	16	-52 53 46.41	0.004	11	0.67	22.458	21	05.1	46.59	19	00.5	A0		GC	12071	F -52 1634
34	9.1	9.2W	43 25.088	-0.0036	07	-58 51 0.88	-0.018	07	0.14	25.102	14	46.2	0.81	14	46.2	A5		C0	2321	F -58 1197
35	9.6E	9.6H	43 30.485	-0.0014	12	-51 27 38.54	-0.019	12	0.82	30.548	63	03.3	37.64	57	03.3	A		CZ	6469	F -51 1608
36	9.7	9.7W	43 31.731	-0.0038	13	-57 23 20.71	-0.000	13	0.15	31.746	14	46.2	20.71	14	46.2	A0	O	C0	2322	P -57 1681
37	8.9	9.1W	43 37.533	-0.0033	08	-53 21 41.91	0.004	08	0.19	37.572	15	38.1	41.96	18	38.1	B9		C9	3106	P -53 1857
38	9.3	9.5W	43 45.726	-0.0021	07	-58 9 45.00	0.002	07	0.14	45.735	14	46.2	45.01	14	46.2	A2		C0	2323	P*-57 1688
39	9.5	9.6W	43 50.592	-0.0042	14	-53 40 29.00	0.005	14	0.24	50.642	15	38.1	29.06	18	38.1	A2		C9	3107	P -53 1862
40		7.3Q	43 53.884	-0.0024	14	-58 32 27.30	-0.010	09	0.60	54.012	19	03.8	26.77	18	95.9			GC	12092K	P -58 1202
41		6.9T	43 54.365	-0.0040	15	-58 32 29.44	-0.022	09	0.65	54.590	24	02.9	28.21	21	93.6	B8		GC	12094K	P*-58 1202
42	9.6E	8.6H	43 57.741	-0.0009	12	-50 34 9.17	0.000	12	0.71	57.784	45	03.7	9.19	45	03.7	K5		CZ	6482	P -50 1769
43	8.9E	9.0H	44 0.647	-0.0024	12	-50 32 52.87	-0.005	12	0.71	0.759	45	03.7	57.66	45	03.7	A0		CZ	6484	P -50 1770
44	9.0	9.2W	44 4.785	0.0027	07	-53 26 55.32	0.011	07	0.18	4.752	15	38.1	55.46	18	38.1	B5		C9	3108	P -53 1868
45	10.1E	9.8Z	44 5.396	-0.0029	12	-50 52 40.44	-0.002	12	0.64	5.537	31	02.2	40.33	28	02.2			CZ	6487	P -50 1772
46	9.2	9.4W	44 6.452	-0.0017	05	-52 45 5.28	-0.002	05	0.18	6.472	15	38.1	5.26	18	38.1	A0		C9	3110	P -52 1639
47	9.5	8.5W	44 14.216	-0.0025	09	-57 27 52.77	-0.016	09	0.14	14.226	14	46.2	52.71	14	46.2	K0		C0	2325	P -57 1690
48	10.4	8.7W	44 16.151	-0.0036	09	-57 26 27.59	-0.022	09	0.14	16.165	14	46.2	27.51	14	46.2	K2	O	C0	2326	P -58 1208
49		7.6T	44 16.259	-0.0028	15	-52 47 17.16	-0.005	11	0.65	16.386	21	03.9	16.89	19	98.7	B9		GC	12106	P -52 1640
50	9.1	8.1W	44 17.007	-0.0046	07	-55 2 23.83	-0.022	07	0.18	17.061	15	38.1	23.57	18	38.1	K0		C9	3112	P -54 1802
51		6.8T	8 44 24.336	-0.0086	11	-55 40 21.07	0.104	09	0.50	24.756	18	06.1	26.13	15	01.3	A5		GC	12110	P -55 1727
52	9.1	9.3W	44 31.495	-0.0020	06	-59 29 18.29	0.005	06	0.14	31.502	14	46.2	18.31	14	46.2	A0		C0	2327	P -59 1105
53	8.9	8.0W	44 34.643	-0.0011	11	-55 55 40.89	-0.051	11	0.15	34.647	14	46.2	40.70	14	46.2	K0		C0	2328	P -55 1730
54		6.5T	44 35.914	-0.0018	14	-54 46 36.29	-0.002	12	0.66	35.996	21	03.3	36.17	19	99.8	G5		GC	12119	P -54 1806
55	9.8	9.9W	44 39.713	-0.0004	11	-57 33 33.56	0.014	11	0.15	39.715	14	46.2	33.61	14	46.2	A		C0	2329	P -57 1697
56	9.6	8.7W	44 42.787	-0.0021	06	-52 50 37.30	-0.004	06	0.18	42.812	15	38.1	37.26	18	38.1	K0		C9	3116	P -52 1647
57	9.7	9.9W	44 44.602	-0.0017	14	-53 32 15.17	0.008	14	0.24	44.622	15	38.1	15.27	18	38.1	A0		C9	3117	P -53 1878
58	8.9	9.1W	44 48.072	-0.0009	06	-52 56 42.52	-0.014	06	0.18	48.082	15	38.1	42.36	18	38.1	A2		C9	3118	P -52 1648
59	9.8		44 51.065	-0.0051	11	-58 3 47.09	0.006	11	0.15	51.085	14	46.2	47.11	14	46.2	A0	O	C0	2330	P -57 1698
60	10.0	8.7W	44 53.288	-0.0029	14	-52 20 22.56	-0.017	14	0.24	53.323	15	38.1	22.36	18	38.1	K2		C9	3119	P -52 1651
61	7.7	7.7W	44 55.483	-0.0016	06	-52 39 35.41	0.012	06	0.18	55.502	15	38.1	35.56	18	38.1	A3		C9	3120	P -52 1652
62	9.2	9.5W	45 0.412	-0.0009	07	-52 44 23.22	-0.014	07	0.18	0.422	15	38.1	23.06	18	38.1	G3	O	C9	3121	P -52 1655
63	9.3	8.2W	45 3.441	-0.0001	06	-52 41 38.74	-0.024	06	0.18	3.442	15	38.1	38.46	18	38.1	K0		C9	3122	P -52 1657
64	9.8	9.8W	45 3.984	-0.0026	09	-58 21 3.42	-0.003	09	0.14	3.994	14	46.2	9.41	14	46.2	A3	O	C0	2331	P -58 1212
65	9.5	9.8W	45 13.932	-0.0034	09	-51 55 53.69	0.015	09	0.20	13.973	15	38.1	53.86	18	38.1	A2		C9	3123	P -51 1624
66	8.9	9.3W	45 23.306	-0.0047	07	-54 38 14.56	-0.007	07	0.18	23.362	15	38.1	14.47	18	38.1	A0		C9	3124	P -54 1813
67	8.1	8.3W	45 23.487	-0.0038	07	-54 0 49.11	-0.029	07	0.18	23.532	15	38.1	48.76	18	38.1	A0		C9	3125	P -53 1888
68		4.6T	45 25.048	0.0001	06	-56 35 6.99	0.009	05	0.27	25.044	12	06.6	7.43	12	01.0	B3		GC	12138	P*-56 1865
69	9.2	9.4W	45 31.895	0.0003	07	-55 32 21.05	0.002	07	0.18	31.891	15	38.1	21.07	18	38.1	A0		C9	3126	P -55 1750
70	9.8		45 32.224	0.0018	07	-52 48 8.64	0.001	07	0.18	32.202	15	38.1	8.66	18	38.1	A0		C9	3127	P -52 1665
71	8.7E	8.2H	45 36.137	-0.0031	12	-51 47 25.88	-0.026	12	0.82	36.283	63	03.3	24.68	57	03.3	F0		CZ	6547	P -51 1626
72		7.8T	45 44.782	-0.0022	16	-51 44 11.06	-0.056	11	0.71	44.888	21	02.6	8.10	21	97.3	G0		GC	12145	C -51 3221
73	9.3	8.8W	45 45.816	-0.0005	07	-54 36 26.26	-0.066	07	0.18	45.822	15	38.1	25.48	18	38.1	K0		C9	3128	P -54 1816
74	8.5	7.7W	45 51.791	0.0017	06	-57 53 33.17	-0.016	06	0.14	51.785	14	46.2	33.11	14	46.2	K0		C0	2335	P -57 1709
75	9.8	9.4W	45 53.930	-0.0009	07	-55 39 7.42	-0.004	07	0.18	53.940	15	38.1	7.37	18	38.1	A2	O	C9	3129	P -55 1756
76	9.3	9.5W	46 11.869	-0.0018	11	-57 28 32.11	-0.001	11	0.15	11.876	14	46.2	32.11	14	46.2	A2		C0	2338	P -57 1714
77	7.7E	10.0H	46 12.742	-0.0035	12	-51 24 51.75	-0.002	12	0.66	12.910	31	01.2	51.65	31	01.2	A0		CZ	6569	P -51 1635
78	8.6	8.8W	46 15.451	-0.0017	07	-56 11 40.73	-0.008	07	0.14	15.457	14	46.2	40.70	14	46.2	A2		C0	2339	P -55 1758
79	10.1		46 17.628	-0.0020	15	-53 34 11.92	0.062	15	0.24	17.652	15	38.1	12.66	18	38.1	A2		C9	3130	P -53 1898
80	8.4	8.6W	46 19.971	-0.0010	08	-58 17 57.99	0.006	08	0.14	19.975	14	46.2	58.01	14	46.2	B8		C0	2340	P -58 1221
81	9.6	9.4W	46 20.574	-0.0007	07	-53 22 52.59	-0.003	07	0.18	20.582	15	38.1	52.56	18	38.1	F2		C9	3131	P -53 1899
82	9.6E	9.2H	46 26.454	-0.0030	12	-50 1 35.97	0.006	12	0.70	26.589	45	04.2	36.22	45	04.2	A0		CZ	6572	P -49 1846
83	8.2	8.3W	46 29.653	-0.0024	06	-59 25 57.39	0.004	06	0.14	29.662	14	46.2	57.41	14	46.2	A3		C0	2341	P*-59 1121
84		6.4T	46 32.121	-0.0032	13	-52 39 53.70	0.006	09	0.59	32.272	21	02.1	54.00	18	95.7	B9		GC	12166	P -52 1675
85	9.0	8.8W	46 32.750	-0.0044	07	-53 43 37.74	-0.015	07	0.18	32.802	15	38.1	37.56	18	38.1	F5		C9	3133	P -53 1901
86	9.1E	8.9H	46 34.326	-0.0028	12	-50 43 2.05	0.003	12	0.64	34.461	31	02.2	2.18	28	02.2	A0		CZ	6575	P -50 1798
87	8.5	8.7W	46 39.176	0.0003	07	-53 24 26.46	-0.001	07	0.18	39.172	15	38.1	26.46	18	38.1	B9		C9	3134	P -53 1904
88	9.3	8.2W	46 46.525	-0.0081	13	-56 30 22.94	0.071	13	0.15	46.556	14	46.2	23.21	14	46.2	K0		C0	2342	P -56 1877
89	8.7	9.0W	46 48.510	-0.0027	07	-53 23 51.10	-0.004	07	0.18	48.542	15	38.1	51.06	18	38.1	A0		C9	3135	P -53 1907
90	9.0	9.2W	46 49.542	-0.0017	07	-53 36 6.25	-0.007	07	0.18	49.562	15	38.1	6.17	18	38.1	B9		C9	3136	P -53 1909
91	8.7	7.4W	46 58.609	-0.0017	07	-57 28 21.28	0.007	07	0.14	58.616	14	46.2	21.31	14	46.2	K2		C0	2343	P -57 1725
92	9.1E	9.4H	47 0.445	-0.0014	12	-50 11 3.75	-0.014	12	0.71	0.507	45	03.7	3.08	45	03.7	B		CZ	6587	P -49 1861
93	9.9	9.7W	47 1.495	-0.0078	09	-57 51 44.06	-0.013	09	0.14	1.524	14	46.2	44.01	14	46.2	A0	O	C0	2344	P -57 1727
94	9.7E	9.4H	47 5.396	-0.0025	12	-51 1 31.18	-0.006	12	0.71	5.513	45	03.7	30.89	45	03.7	F8		CZ	6591	P -50 1808
95		7.6T	47 6.876	0.0008	13	-55 15 47.62	-0.000	11	0.62	6.836	21	02.9	47.61	18	98.6	A0		GC	12177	P -54 1834
96	8.7	7.4W	47 13.361	-0.0036	06	-58 2 27.09	0.006	06	0.14	13.375	14	46.2	27.11	14	46.2	K2		C0	2345	P -57 1728
97	9.6	9.0W	47 16.919	0.0019	06	-59 23 15.65	-0.011	06	0.14	16.912	14	46.2	15.61	14	46.2	F8	O	C0	2346	P -59 1128
98	9.5	9.3W	47 28.107	-0.0038	06	-59 22 35.68	-0.018	06	0.14	28.122	14	46.2	35.61	14	46.2	F5	O	C0	2347	P -59 1130
99	8.9	9.1W	47 29.019	-0.0028	15	-54 5 11.02	0.037	15	0.24	29.052	15	38.1	11.46	18	38.1	B3		C9	3138	P -53 1914
00	9.8	8.2W	47 30.863	-0.0008	07	-57 18 3.04	0.019	07	0.14	30.866	14	46.2	3.11	14	46.2	MA		C0	2348	P -57 1732

236300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 8H DM NUMBER
1	9.1	8.0W	8 47 31.041	-0.0025	06	-59 45 58.78	0.008	06	0.14	31.051	14	46.2	58.81	14	46.2	K0	C0	2349	P -59 1135
2	8.0	8.2W	47 33.977	-0.0013	07	-52 54 59.74	-0.016	07	0.18	33.992	15	38.1	59.56	18	38.1	A0	C9	3139	P -52 1684
3	9.7E	9.3Z	47 34.404	-0.0024	12	-50 46 58.08	-0.009	12	0.71	34.517	45	03.7	57.65	45	03.7		CZ	6606	P -50 1814
4	9.4E	9.4H	47 38.117	-0.0026	12	-51 9 24.18	-0.002	12	0.71	38.235	45	03.7	24.07	45	03.7	A2	CZ	6611	P -50 1816
5	9.1	9.4W	47 43.518	-0.0004	06	-52 43 44.70	-0.004	06	0.18	43.522	15	38.1	44.66	18	38.1	A0	C9	3140	P -52 1685
6	9.4	8.5W	47 46.717	-0.0024	13	-57 2 49.86	-0.040	13	0.15	46.726	14	46.2	49.71	14	46.2	K0	C0	2350	P -56 1892
7	8.8E	8.4H	47 47.552	-0.0003	12	-50 7 13.70	-0.012	12	0.70	47.564	45	04.2	13.13	45	04.2	K0	CZ	6615	P -49 1883
8	8.4	8.7W	47 52.203	-0.0033	07	-57 24 3.30	0.003	07	0.14	52.215	14	46.2	3.31	14	46.2	G5	C0	2351	P -57 1734
9	10.3E	9.8Z	47 56.405	-0.0029	12	-50 48 1.19	-0.003	12	0.71	56.536	45	03.7	1.04	45	03.7		CZ	6619	P -50 1821
10	8.6	7.8W	47 58.868	-0.0021	06	-57 29 17.70	0.028	06	0.14	58.876	14	46.2	17.81	14	46.2	G5	C0	2352	P -57 1736
11	10.0		48 5.684	-0.0048	15	-55 33 18.69	0.041	15	0.24	5.740	15	38.1	19.17	18	38.1	A2 O	C9	3141	P -55 1786
12	9.9	9.6W	48 6.614	-0.0133	12	-52 17 23.44	0.002	12	0.22	6.773	15	38.1	23.46	18	38.1	G5	C9	3142	P -52 1692
13	9.9	9.5W	48 7.241	-0.0024	06	-59 50 55.03	0.019	06	0.14	7.250	14	46.2	55.11	14	46.2	F2 O	C0	2285	P -59 1140
14	9.6		48 8.131	0.0007	14	-54 40 23.99	0.007	14	0.24	8.122	15	38.1	24.07	18	38.1	A0	C9	3143	P -54 1847
15	8.8	8.8W	48 8.838	0.0003	07	-55 58 21.85	-0.008	07	0.14	8.837	14	46.2	21.80	14	46.2	F0	C0	2354	P 55 1788
16		9.7T	48 12.907	-0.0052	17	-53 59 0.23	-0.019	13	0.78	13.155	22	02.1	59.21	19	97.4	F8	GC	12210	P -53 1921
17	8.9	9.1W	48 19.365	-0.0023	07	-55 0 48.84	0.003	07	0.18	19.392	15	38.1	48.87	18	38.1	A0	C9	3145	P -54 1849
18	8.8	9.0W	48 19.639	0.0006	07	-53 50 4.00	0.005	07	0.18	19.632	15	38.1	4.06	18	38.1	A0	C9	3146	P*-53 1923
19	9.7	9.9W	48 20.898	-0.0029	14	-51 53 15.69	0.015	14	0.24	20.933	15	38.1	15.86	18	38.1	F2	C9	3147	P -51 1664
20	9.5	9.6W	48 29.418	-0.0062	15	-54 5 8.63	0.003	15	0.24	29.492	15	38.1	8.66	18	38.1	A0	C9	3148	P -53 1929
21	9.9E	9.0Z	48 30.419	0.0000	12	-50 8 10.67	-0.002	12	0.70	30.416	45	04.2	10.56	45	04.2		CZ	6634	P -49 1901
22	8.4E	8.2H	48 36.330	-0.0039	12	-50 24 14.18	0.003	12	0.64	36.514	31	02.2	14.31	28	02.2	G0	CZ	6638	P -50 1826
23	8.2	8.2W	48 38.505	0.0002	07	-54 53 29.99	-0.010	07	0.18	38.502	15	38.1	29.87	18	38.1	A2	C9	3149	P -54 1855
24	9.7	9.2W	48 46.503	0.0052	07	-55 58 43.52	-0.021	07	0.18	46.440	15	38.1	43.28	18	38.1	G5	C9	3150	P -55 1796
25		7.5T	48 55.197	-0.0037	16	-51 42 34.78	-0.032	11	0.71	55.378	19	01.7	33.11	18	97.8	K2	GC	12229	C -51 3267
26		8.3T	49 21.071	-0.0048	16	-53 55 29.63	0.001	13	0.71	21.290	21	04.2	29.66	19	01.2	A2	GC	12237K	P*-53 1943
27	10.2	9.2W	49 42.797	-0.0014	09	-58 36 1.25	-0.011	09	0.14	42.802	14	46.2	1.21	14	46.2	G3 O	C0	2355	P -58 1243
28	9.7	8.7W	49 46.232	-0.0051	06	-52 38 18.17	0.024	06	0.18	46.292	15	38.1	18.46	18	38.1	K5	C9	3153	P -52 1712
29	9.6	8.5W	49 47.168	0.0036	06	-57 34 45.89	-0.049	06	0.14	47.155	14	46.2	45.71	14	46.2	K5	C0	2356	P -57 1753
30	8.8	9.1W	49 50.901	-0.0012	07	-56 53 12.80	0.003	07	0.14	50.906	14	46.2	12.81	14	46.2	B9	C0	2357	P -56 1909
31	9.2E	9.1H	49 52.124	-0.0076	12	-50 35 27.25	-0.007	12	0.71	52.477	45	03.7	26.91	45	03.7	G5	CZ	6672	P -50 1840
32	9.5	9.4W	49 58.929	-0.0034	07	-58 44 32.06	0.013	07	0.14	58.942	14	46.2	32.11	14	46.2	A2 O	C0	2358	P -58 1247
33	7.7	8.0W	50 4.270	-0.0006	06	-59 17 42.67	0.011	06	0.14	4.272	14	46.2	42.71	14	46.2	B9	C0	2359	P -59 1156
34	9.4	9.7W	50 7.602	-0.0009	13	-53 36 18.15	0.026	13	0.23	7.612	15	38.1	18.47	18	38.1	A0	C9	3154	P -53 1952
35	10.0	9.1W	50 9.239	-0.0045	07	-53 2 20.65	-0.008	07	0.18	9.292	15	38.1	20.56	18	38.1	K2	C9	3155	P -52 1720
36	8.8	9.1W	50 9.876	-0.0030	07	-54 29 45.75	0.001	07	0.18	9.912	15	38.1	45.76	18	38.1	A0	C9	3156	P -54 1877
37	9.7		50 13.124	-0.0006	07	-55 42 55.21	-0.037	07	0.18	13.131	15	38.1	54.77	18	38.1	A2 O	C9	3157	P -55 1813
38	10.0	9.1W	50 19.323	-0.0023	09	-58 51 40.16	-0.014	09	0.14	19.332	14	46.2	40.11	14	46.2	G3 O	C0	2360	P -58 1250
39		5.7T	50 20.059	-0.0015	07	-57 26 41.21	0.012	05	0.28	20.128	12	11.0	41.74	10	05.6	B8	GC	12260	P*-57 1759
40		6.7T	50 23.883	-0.0020	13	-55 37 13.54	-0.028	11	0.64	23.990	21	03.0	12.08	19	97.9	B8	GC	12263	P -55 1815
41	10.0	9.6W	50 27.369	-0.0120	07	-54 45 32.98	0.058	07	0.18	27.512	15	38.1	33.67	18	38.1	G2 O	C9	3159	P -54 1882
42	10.2E	9.4Z	50 27.821	-0.0025	12	-50 40 13.37	0.007	12	0.71	27.938	45	03.7	13.72	45	03.7		CZ	6684	P -50 1853
43	9.8E	9.8H	50 28.567	-0.0022	12	-50 58 0.73	-0.001	12	0.64	28.674	31	02.2	0.67	28	02.2	A0	CZ	6685	P -50 1854
44	8.4	8.2W	50 30.846	0.0003	07	-58 10 36.09	-0.021	07	0.14	30.845	14	46.2	36.01	14	46.2	F2	C0	2362	P -57 1763
45	9.8		50 32.369	-0.0003	15	-53 23 50.09	-0.003	15	0.24	32.372	15	38.1	50.06	18	38.1	A0	C9	3160	P -53 1957
46	8.7	8.9W	50 33.514	-0.0024	07	-54 37 38.63	-0.013	07	0.18	33.542	15	38.1	38.48	18	38.1	A0	C9	3161	P -54 1883
47	8.0	8.0W	50 34.461	-0.0011	07	-57 6 16.64	-0.009	07	0.14	34.466	14	46.2	16.61	14	46.2	A3	C0	2363	P -56 1915
48	10.1	9.3W	50 35.878	0.0006	09	-57 19 28.44	-0.007	09	0.14	35.876	14	46.2	28.41	14	46.2	G5 O	C0	2364	P -57 1765
49	9.9		50 36.829	-0.0027	15	-55 58 11.85	-0.040	15	0.24	36.860	15	38.1	11.37	18	38.1	A3 O	C9	3162	P -55 1817
50	9.9		50 43.574	-0.0017	07	-59 31 28.44	-0.008	07	0.14	43.581	14	46.2	28.41	14	46.2	A0 O	C0	2365	P -59 1160
51	9.9		8 50 43.649	-0.0003	15	-53 28 1.95	0.017	15	0.24	43.652	15	38.1	2.16	18	38.1	A0	C9	3163	P -53 1960
52	9.2	9.3W	50 47.043	0.0018	07	-57 21 13.98	0.007	07	0.14	47.036	14	46.2	14.01	14	46.2	B9 O	C0	2367	P -57 1767
53	7.9	8.1W	50 55.422	-0.0017	06	-53 8 10.87	-0.001	06	0.18	55.442	15	38.1	10.86	18	38.1	A0	C9	3164	P -52 1734
54	9.9		50 56.613	-0.0030	11	-58 2 40.46	0.012	11	0.15	56.625	14	46.2	40.51	14	46.2	A2 O	C0	2369	P -57 1769
55	9.2	9.5W	50 59.266	-0.0004	07	-55 50 14.70	0.006	07	0.18	59.270	15	38.1	14.78	18	38.1	A2	C9	3165	P -55 1819
56	10.1		51 0.460	-0.0068	09	-57 20 53.43	0.047	09	0.14	0.486	14	46.2	53.61	14	46.2	A3 O	C0	2370	P -57 1770
57		7.4T	51 1.003	-0.0006	13	-56 3 9.57	-0.001	12	0.65	1.036	21	03.0	9.51	19	99.0	B9	GC	12281	P -55 1820
58		6.9T	51 1.593	-0.0005	14	-55 9 8.35	-0.002	12	0.70	1.621	19	00.2	8.24	18	96.5	A0	GC	12282K	P*-54 1890
59	9.3	9.1W	51 4.631	0.0025	07	-55 49 51.34	-0.073	07	0.18	4.600	15	38.1	50.48	18	38.1	G0	C9	3168	P -55 1822
60	9.9E	10.0H	51 4.677	-0.0006	12	-50 57 33.19	-0.006	12	0.71	4.707	45	03.7	32.90	45	03.7	A0	CZ	6701	P -50 1858
61	8.8E	8.6H	51 6.090	0.0000	12	-51 14 2.20	-0.002	12	0.82	6.088	63	03.3	2.09	57	03.3	B9	CZ	6702	P -50 1859
62		6.6T	51 9.774	-0.0024	12	-51 56 21.52	0.004	09	0.61	9.897	19	97.4	21.75	17	91.8	A0	GC	12288K	C*-51 3303
63	9.5	9.7W	51 12.904	-0.0054	13	-57 58 5.06	0.013	13	0.15	12.924	14	46.2	5.11	14	46.2	A0 O	C0	2373	P -57 1772
64	9.1	9.3W	51 25.200	-0.0010	07	-54 30 33.69	-0.018	07	0.18	25.212	15	38.1	33.48	18	38.1	A0	C9	3169	P -54 1894
65	9.1	8.1W	51 25.829	0.0015	07	-55 48 7.30	-0.027	07	0.18	25.811	15	38.1	6.98	18	38.1	K0	C9	3170	P -55 1827
66	9.3E	8.9H	51 29.479	-0.0007	12	-51 17 44.75	-0.002	12	0.82	29.509	63	03.3	44.65	57	03.3	B9	CZ	6711	P -51 1706
67	9.3	8.5W	51 35.383	-0.0003	07	-58 19 36.76	-0.014	07	0.14	35.384	14	46.2	36.71	14	46.2	G5	C0	2374	P -58 1258
68		6.0T	51 44.069	-0.0022	11	-59 27 55.14	0.032	08	0.53	44.190	21	00.2	36.94	18	93.5	B9	GC	12303	P -56 1918
69	7.7	8.0W	51 46.339	-0.0003	07	-59 38 51.39	0.006	07	0.14	46.341	14	46.2	51.41	14	46.2	A0	C0	2376	P -59 1166
70	9.2	9.2W	51 48.144	-0.0060	13	-56 12 54.10	-0.002	13	0.15	48.167	14	46.2	54.10	14	46.2	A3	C0	2377	P -55 1830
71	9.6E	9.2H	51 50.592	-0.0016	12	-50 56 18.49	-0.007	12	0.71	50.668	45	03.7	18.15	45	03.7	B8	CZ	6720	P -50 1866
72	9.1	8.9W	51 50.669	0.0008	07	-56 30 52.17	0.009	07	0.14	50.666	14	46.2	52.21	14	46.2	F5 O	C0	2378	P -56 1919
73	9.5E	8.9H	51 51.033	-0.0042	12	-51 4 59.15	-0.014	12	0.71	51.230	45	03.7	58.49	45	03.7	F5	CZ	6723	P -50 1867
74	8.8	9.1W	51 52.466	-0.0014	08	-52 16 11.42	-0.014	08	0.19	52.483	15	38.1	11.26	18	38.1	B9	C9	3171	P -51 1712
75	9.6	9.8W	51 53.120	-0.0019	09	-51 53 41.80	0.022	09	0.20	53.143	15	38.1	42.06	18	38.1	A0	C9	3172	P -51 1711
76	9.8	9.7W	51 55.625	0.0003	13	-55 10 6.75	0.035	13	0.23	55.622	15	38.1	7.17	18	38.1	F0	C9	3173	P -54 1903
77		7.3T	52 6.746	-0.0032	13	-56 19 44.72	0.019	11	0.63	6.905	21	04.1	45.67	19	99.7	A2	GC	12313	P -56 1922
78	9.2	9.5W	52 7.924	-0.0029	07	-57 33 36.02	-0.003	07	0.14	7.935	14	46.2	36.01	14	46.2	A	C0	2382	P -57 1777
79	8.8	9.1W	52 8.922	-0.0042	07	-52 21 37.15	0.000	07	0.18	8.973	15	38.1	37.16	18	38.1	A0	C9	3174	P -52 1747
80	8.5	8.6W	52 12.824	-0.0007	07	-54 54 58.33	-0.013	07	0.18	12.832	15	38.1	58.17	18	38.1	A0	C9	3175	P -54 1907
81	9.8	9.7W	52 15.640	-0.0061	15	-53 19 27.39	0.014	15	0.24	15.712	15	38.1	27.56	18	38.1	A5	C9	3176	P*-53 1967
82	8.7E	9.0H	52 17.605	-0.0023	12	-50 28 42.96	0.001	12	0.64	17.713	31	02.2	42.99	28	02.2	A2	CZ	6735	P -50 1875
83	7.3	7.6W	52 25.930	-0.0019	05	-52 16 54.36	0.009	05	0.18	25.952	15	38.1	54.46	18	38.1	B8	C9	3177	P -51 1722
84	9.2E	8.6H	52 29.190	0.0201	12	-51 23 27.45	-0.166	12	0.82	28.249	63	03.3	19.69	57	03.3	G5	CZ	6739	P -51 1721
85	7.9	8.3W	52 29.699	-0.0011	07	-52 25 39.88	-0.002	07	0.18	29.712	15	38.1	39.86	18	38.1	B8	C9	3178	P -52 1751
86		7.8T	52 35.086	-0.0025	16	-51 30 31.19	-0.013	11	0.71	35.209	18	01.6	30.50	18	97.3	B9	GC	12324	C -51 3326
87	9.3	9.7W	52 35.368	-0.0037	13	-52 42 42.64	0.010	13	0.23	35.412	15	38.1	42.76	18	38.1	B8	C9	3179	P -52 1753
88	9.8E	9.2H	52 40.023	-0.0045	12	-50 57 17.07	0.070	12	0.71	40.233	45	03.7	20.30	45	03.7	G5	CZ	6748	P -50 1879
89	9.7E	9.6H	52 42.966	-0.0012	12	-50 37 19.39	-0.005	12	0.71	43.023	45	03.7	19.14	45	03.7	A0	CZ	6749	P -50 1880
90	9.1	9.3W	52 44.205	-0.0040	07	-54 7 21.22	0.012	07	0.18	44.252	15	38.1	21.37	18	38.1	A0	C9	3180	P -53 1975
91	9.7		52 44.803	-0.0016	09	-53 11 38.94	0.018	09	0.20	44.822	15	38.1	39.16	18	38.1	G	C9	3181	P -52 1755
92	9.7E	9.4H	52 49.195	-0.0023	12	-50 56 24.45	-0.010	12	0.71	49.303	45	03.7	23.98	45	03.7	A2	CZ	6751	P -50 1881
93	9.7	9.7W	52 50.172	-0.0042	07	-53 8 49.25	0.025	07	0.18	50.222	15	38.1	49.56	18	38.1	F5	C9	3182	P -52 1758
94	9.8	9.5W	53 13.394	0.0017	07	-56 2 24.43	-0.035	07	0.14	13.387	14	46.2	24.30	14	46.2	G0	C0	2387	P -55 1840
95	9.8E	9.4H	53 23.388	-0.0011	12	-50 40 20.63	-0.010	12	0.71	23.440	45	03.7	20.19	45	03.7	B8	CZ	6766	P -50 1892
96	9.5		53 25.367	-0.0038	15	-55 21 20.74	-0.014	15	0.24	25.412	15	38.1	20.58	18	38.1	A0	C9	3184	P -55 1841
97	9.5	9.6W	53 26.379	-0.0011	14	-52 5 9.95	0.010	14	0.24	26.392	15	38.1	10.06	18	38.1	B9	C9	3185	P -51 1735
98	10.1	9.9W	53 34.160	0.0012	13	-56 35 1.37	-0.017	13	0.15	34.156	14	46.2	1.31	14	46.2	F2 O	C0	2388	P -56 1935
99	9.2	9.3W	53 34.731	-0.0010	06	-57 34 8.39	0.004	06	0.14	34.735	14	46.2	8.41	14	46.2	A	C0	2389	P -57 1787
00		7.1T	53 34.951	-0.0015	13	-54 30 28.72	0.007	11	0.64	35.023	21	03.2	29.06	18	98.3	F8	GC	12350	P*-54 1922

236400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-50° 8H DM NUMBER
1	8.9	8.9W	8 53 37.252	0.0000	06	-59 21 33.58	0.008	06	0.14	37.252	14	46.2	33.61	14	46.2	A2		CD	2390	P -59 1181
2		6.3T	53 38.304	-0.0028	09	-58 2 53.18	0.000	07	0.48	38.464	19	00.1	53.19	18	93.6	B5		GC	12351	P -57 1790
3	9.5E	9.2H	53 40.272	-0.0007	12	-50 23 36.36	-0.008	12	0.71	40.303	45	03.7	35.97	45	03.7	B9		CZ	6770	P -50 1898
4	9.1E	9.6H	53 44.136	-0.0030	12	-50 6 53.09	0.002	12	0.71	44.274	45	03.2	53.17	45	03.2	A2		CZ	6771	P -49 1999
5		5.7T	53 46.701	0.0041	10	-54 46 20.23	-0.083	09	0.37	46.550	14	13.7	16.94	12	10.6	F5		GC	12354	P -54 1925
6	9.9	9.2W	53 55.142	0.0000	13	-53 47 17.64	0.002	13	0.23	55.142	15	38.1	17.66	18	38.1	G5		C9	3188	P -53 1991
7	8.5	8.7W	53 56.455	-0.0050	07	-58 29 54.80	0.002	07	0.14	56.484	14	46.2	54.81	14	46.2	A0		C0	2393	P -58 1285
8	9.7		54 5.256	-0.0022	13	-57 34 22.81	-0.001	13	0.15	5.265	14	46.2	22.81	14	46.2	B9	O	C0	2394	P -57 1792
9	9.1	9.1W	54 8.922	0.0008	07	-54 39 2.61	0.005	07	0.18	8.912	15	38.1	2.67	18	38.1	F0		C9	3189	P -54 1929
10		7.4T	54 16.898	-0.0028	16	-51 23 39.06	0.011	11	0.71	17.028	22	03.0	39.66	21	97.2	A2		GC	12366	C -51 3354
11	8.6E	8.4H	54 17.255	-0.0012	12	-50 39 41.99	-0.007	12	0.71	17.311	45	03.7	41.64	45	03.7	A0		CZ	6776	P -50 1907
12	10.1		54 26.473	-0.0091	15	-55 25 2.22	0.038	15	0.24	26.581	15	38.1	2.67	18	38.1	A0		C9	3190	P -55 1848
13	9.8	9.9W	54 35.896	-0.0005	15	-54 58 4.80	0.015	15	0.24	35.902	15	38.1	4.97	18	38.1	A5		C9	3191	P -54 1934
14	9.4	8.6W	54 39.904	-0.0046	06	-59 13 55.25	0.016	06	0.14	39.922	14	46.2	55.31	14	46.2	G5		C0	2395	P -58 1292
15		8.5T	54 47.411	0.0013	15	-55 19 0.68	0.024	10	0.66	47.343	21	03.3	1.94	19	97.3	K0		GC	12378K	P -55 1852
16		7.9T	54 47.456	-0.0024	13	-55 20 7.37	0.009	11	0.65	47.582	21	02.2	7.83	19	98.0	K0		GC	12379K	P -55 1853
17		4.8T	54 48.708	-0.0003	08	-52 31 50.25	0.006	05	0.31	48.718	14	10.4	50.51	12	03.4	B5		GC	12381K	P*-52 1788
18	8.6	8.9W	54 50.663	0.0044	08	-55 45 45.06	-0.016	08	0.19	50.611	15	38.1	44.87	18	38.1	B9		C9	3195	P -55 1855
19	10.3E	9.0Z	54 54.840	0.0031	12	-50 37 21.38	-0.122	12	0.71	54.698	45	03.7	15.71	45	03.7			CZ	6790	P -50 1914
20		9.6T	54 55.805	-0.0006	13	-53 36 19.45	0.009	10	0.65	55.834	22	00.8	19.94	19	92.5			GC	12385K	P -53 1998
21	9.6E	9.3H	54 56.444	-0.0116	12	-50 19 48.51	-0.126	12	0.71	56.979	45	03.7	54.32	45	03.7	F8		CZ	6792	P -50 1917
22		9.1T	54 56.575	-0.0014	12	-53 36 30.08	-0.005	09	0.58	56.641	21	02.3	29.78	18	95.1	A0		GC	12387K	P -53 1998
23	9.6	9.3W	54 57.357	0.0004	15	-54 7 47.22	0.020	15	0.24	57.352	15	38.1	47.46	18	38.1	F2		C9	3198	P -53 2000
24	9.8		55 13.058	-0.0054	12	-52 46 4.59	-0.028	12	0.22	13.122	15	38.1	4.26	18	38.1	A0		C9	3199	P -52 1800
25	9.6	9.3W	55 15.905	-0.0040	06	-53 37 13.81	0.013	06	0.18	15.952	15	38.1	13.97	18	38.1	F8		C9	3200	P -53 2001
26	8.8	9.0W	55 18.612	-0.0025	08	-54 5 35.13	0.003	08	0.19	18.642	15	38.1	35.16	18	38.1	A0		C9	3201	P -53 2003
27	9.1	9.2W	55 20.730	-0.0044	15	-54 1 29.24	0.044	15	0.24	20.782	15	38.1	29.77	18	38.1	A0		C9	3202	P -53 2004
28	10.1		55 21.254	-0.0070	11	-59 33 56.47	0.037	11	0.15	21.281	14	46.2	56.61	14	46.2	A0	O	C0	2396	P -59 1191
29	9.0E	8.1H	55 21.270	-0.0033	12	-50 9 48.10	0.011	12	0.71	21.423	45	03.2	48.60	45	03.2	K2		CZ	6799	P -49 2040
30	10.0E	9.1H	55 24.671	-0.0027	12	-51 37 41.63	0.015	12	0.66	24.804	31	01.2	42.35	31	01.2	F0		CZ	6803	P -51 1768
31		7.9T	55 34.505	0.0008	14	-50 52 36.67	0.018	12	0.69	34.465	19	00.6	37.64	18	97.6	F5		GC	12400	C -50 3704
32	9.0	9.2W	55 34.750	-0.0033	06	-59 19 35.34	-0.009	06	0.14	34.762	14	46.2	35.31	14	46.2	A0		C0	2397	P -59 1194
33	10.2		55 35.063	-0.0016	14	-52 3 54.79	0.005	14	0.24	35.082	15	38.1	54.86	18	38.1	B9		C9	3203	P*-51 1770
34	9.5		55 38.770	-0.0055	13	-59 43 0.16	0.013	13	0.15	38.791	14	46.2	0.21	14	46.2	A0	O	C0	2398	P -59 1195
35	7.8	8.2W	55 41.578	-0.0012	07	-52 30 32.79	-0.003	07	0.18	41.592	15	38.1	32.76	18	38.1	B5		C9	3204	P -52 1806
36		5.3H	55 45.016	-0.0019	02	-59 2 8.48	0.005	02	0.10	45.085	05	12.9	8.69	05	11.5	B3		F4	1233	P -58 1301
37	9.9	9.0W	55 45.678	-0.0004	15	-53 24 14.29	-0.028	15	0.24	45.682	15	38.1	13.96	18	38.1	K2		C9	3205	P -53 2007
38	8.6	9.0W	55 45.721	-0.0026	06	-52 33 51.89	-0.011	06	0.18	45.752	15	38.1	51.76	18	38.1	B9		C9	3206	P -52 1807
39	9.4	9.5W	55 49.482	-0.0025	11	-58 56 37.23	0.022	11	0.15	49.492	14	46.2	37.31	14	46.2	A	O	C0	2400	P -58 1303
40		7.5T	55 50.184	-0.0006	09	-59 1 57.65	0.015	09	0.54	50.219	19	92.5	58.55	18	90.2	B8		GC	12408K	P -58 1301
41	9.4	9.8W	55 50.899	-0.0018	07	-56 5 26.86	-0.024	07	0.18	50.920	15	38.1	26.57	18	38.1	A0		C9	3207	P -55 1858
42		7.4T	55 53.620	0.0003	13	-50 33 19.79	-0.009	13	0.69	53.603	19	99.7	19.35	19	99.9	B0		GC	12409	C -50 3710
43	8.8	9.1W	55 54.267	-0.0024	07	-56 33 53.60	0.002	07	0.14	54.276	14	46.2	53.61	14	46.2	B9		C0	2403	P -56 1942
44	8.9	9.0W	55 58.784	-0.0006	07	-56 38 23.54	-0.008	07	0.14	58.786	14	46.2	23.51	14	46.2	A5		C0	2404	P -56 1943
45	8.5	8.9W	55 59.934	-0.0001	09	-58 23 31.50	0.002	09	0.14	59.934	14	46.2	31.51	14	46.2	B5		C0	2405	P -58 1306
46	9.3E	8.8H	56 2.770	-0.0136	12	-50 56 26.42	0.022	12	0.71	3.408	45	03.2	27.44	45	03.2	F8		CZ	6812	P -50 1938
47	9.4	9.4W	56 5.028	-0.0020	06	-53 40 16.33	0.011	06	0.18	5.052	15	38.1	16.47	18	38.1	F2		C9	3208	P -53 2008
48	8.7	8.5W	56 14.931	0.0016	06	-54 43 14.59	0.007	06	0.18	14.912	15	38.1	14.67	18	38.1	F0		C9	3209	P -54 1943
49	10.4	8.9W	56 36.384	-0.0004	07	-57 22 56.23	-0.006	07	0.14	36.386	14	46.2	56.21	14	46.2	K2	O	C0	2407	P -57 1805
50	9.1	9.5W	56 44.410	-0.0044	07	-53 1 2.48	-0.019	07	0.18	44.462	15	38.1	2.26	18	38.1	A0		C9	3210	P -52 1819
51	9.3	9.4W	8 56 44.461	-0.0012	06	-57 7 24.06	0.011	06	0.14	44.466	14	46.2	24.11	14	46.2	A0	O	C0	2408	P -56 1946
52	9.4	9.3W	56 44.553	-0.0055	09	-58 10 17.63	0.021	09	0.14	44.575	14	46.2	17.71	14	46.2	F2	O	C0	2409	P -57 1807
53	10.0	9.1W	56 49.301	-0.0009	11	-58 16 44.55	-0.011	11	0.15	49.305	14	46.2	44.51	14	46.2	G5	O	C0	2410	P -57 1808
54	8.4	8.5W	56 49.805	-0.0002	06	-57 8 29.66	0.011	06	0.14	49.806	14	46.2	29.71	14	46.2	B9		C0	2411	P -56 1948
55		7.6T	56 54.206	-0.0039	10	-50 3 19.24	0.022	07	0.40	54.366	15	09.2	20.23	15	05.3	K0		GC	12424	C -49 4017
56		8.0T	56 55.500	-0.0030	12	-50 36 44.83	0.039	12	0.67	55.654	21	98.6	46.94	19	96.4	K5		GC	12425	C*-50 3727
57	9.9E	10.0H	57 3.321	-0.0036	12	-50 9 2.81	-0.003	12	0.72	3.490	45	02.7	2.65	45	02.7	A2		CZ	6828	P -49 2065
58		7.9T	57 4.291	-0.0005	13	-58 59 57.47	-0.015	12	0.59	4.312	19	06.5	56.81	19	05.7	B9		GC	12428	P -58 1319
59	9.6	9.6W	57 5.513	-0.0041	07	-55 27 38.91	0.014	07	0.18	5.562	15	38.1	39.08	18	38.1	A3		C9	3211	P -55 1869
60	7.2	7.7W	57 22.313	-0.0020	06	-59 32 34.45	0.015	06	0.14	22.321	14	46.2	34.51	14	46.2	B8		C0	2414	P -59 1207
61	9.7	9.8W	57 25.939	-0.0015	11	-58 1 53.54	0.019	11	0.15	25.945	14	46.2	53.61	14	46.2	A2	O	C0	2415	P -57 1814
62	9.0	7.9W	57 26.037	0.0004	06	-57 16 38.01	-0.001	06	0.14	26.036	14	46.2	38.01	14	46.2	K2		C0	2416	P -56 1949
63		7.5T	57 28.714	-0.0056	12	-54 26 19.67	0.029	10	0.59	28.981	18	02.2	21.16	19	98.0	B9		GC	12436	P -54 1952
64	9.0	7.9W	57 31.909	-0.0036	07	-53 8 55.12	-0.014	07	0.18	31.952	15	38.1	54.96	18	38.1	K2		C9	3213	P -52 1829
65		9.2T	57 33.083	-0.0063	28	-50 29 56.42	0.011	20	1.09	33.352	26	07.5	56.93	24	04.5	K0		GC	12437	C -50 3737
66	10.1		57 38.318	-0.0061	15	-55 42 16.06	-0.007	15	0.24	38.390	15	38.1	15.98	18	38.1	A3	O	C9	3214	P -55 1874
67	10.0	9.0W	57 45.124	0.0010	07	-55 25 20.42	-0.029	07	0.18	45.111	15	38.1	20.08	18	38.1	K2		C9	3215	P -55 1878
68	10.0	9.8W	57 55.118	-0.0012	07	-52 6 24.63	-0.022	07	0.18	55.133	15	38.1	24.36	18	38.1	G		C9	3216	P -51 1796
69	9.9E	9.6H	57 58.055	-0.0032	12	-50 3 18.06	-0.005	12	0.72	58.204	45	02.7	17.80	45	02.7	F0		CZ	6845	P -49 2085
70		8.2T	57 58.934	-0.0027	14	-50 40 7.67	-0.010	13	0.73	59.066	22	01.1	7.17	21	98.6	A0		GC	12446	C -50 3744
71	9.2	9.5W	58 0.849	-0.0049	07	-56 10 15.77	0.006	07	0.14	0.867	14	46.2	15.80	14	46.2	A2		C0	2419	P -55 1881
72	10.4	9.8W	58 2.134	-0.0032	15	-54 35 4.57	0.009	15	0.24	2.172	15	38.1	4.67	18	38.1	G0	O	C9	3217	P -54 1955
73	9.3	9.0W	58 4.539	0.0031	06	-54 49 8.42	-0.038	06	0.18	4.502	15	38.1	7.97	18	38.1	G0		C9	3218	P -54 1958
74		10.3T	58 8.512	-0.0018	18	-51 17 9.27	0.000	18	0.86	8.592	24	04.7	9.28	24	04.8	A		GC	12448	C -50 3747
75		5.2T	58 10.509	-0.0227	04	-58 53 30.25	0.277	04	0.22	11.729	10	01.6	45.16	09	96.2	F0		GC	12449K	P*-58 1327
76		7.4T	58 11.245	-0.0046	12	-51 18 30.68	0.027	10	0.61	11.481	22	98.5	32.18	19	94.9	A2		GC	12450	C -51 3409
77	8.7	7.8W	58 12.283	0.0001	06	-58 32 42.01	-0.001	06	0.14	12.282	14	46.2	42.01	14	46.2	K0		C0	2422	P -58 1326
78	9.5	9.8W	58 14.356	-0.0064	07	-53 52 45.22	0.012	07	0.18	14.432	15	38.1	45.37	18	38.1	A0		C9	3219	P -53 2030
79	8.8	8.7W	58 15.370	-0.0033	07	-59 16 35.48	0.059	07	0.14	15.382	14	46.2	35.71	14	46.2	A5		C0	2423	P -58 1328
80		7.4T	58 16.310	0.0000	13	-54 2 26.94	-0.031	11	0.63	16.310	18	02.5	25.33	19	98.8	F0		GC	12452	P -53 2032
81		8.3T	58 21.659	-0.0017	11	-58 50 40.35	0.020	10	0.49	21.736	18	07.4	41.27	17	04.4	A3		GC	12457	P -58 1333
82	9.9		58 23.083	-0.0016	15	-53 22 35.03	0.002	15	0.24	23.102	15	38.1	35.06	18	38.1	B9		C9	3221	P -53 2035
83	9.6	9.4W	58 35.007	-0.0045	06	-57 35 45.17	0.011	06	0.14	35.025	14	46.2	45.21	14	46.2	F5	O	C0	2425	P -57 1820
84	9.7	9.8W	58 36.937	-0.0023	07	-57 11 5.48	-0.019	07	0.14	36.946	14	46.2	5.41	14	46.2	A0	O	C0	2426	P -56 1956
85	9.2	9.1W	58 39.788	-0.0036	06	-55 30 51.83	0.004	06	0.18	39.831	15	38.1	51.88	18	38.1	F0		C9	3222	P -55 1886
86	10.1		58 42.128	-0.0071	15	-53 54 28.39	-0.019	15	0.24	42.212	15	38.1	28.17	18	38.1	A2		C9	3223	P -53 2040
87	9.9E	9.1H	58 48.901	-0.0031	12	-51 27 56.23	0.004	12	0.82	49.043	63	03.3	56.41	57	03.3	A5		CZ	6873	P -51 1809
88	9.8	9.9W	58 50.350	0.0006	06	-52 2 35.46	-0.017	06	0.18	50.343	15	38.1	35.26	18	38.1	A3		C9	3225	P -51 1810
89	8.3	8.5W	58 50.949	-0.0015	09	-58 3 55.96	0.014	09	0.14	50.954	14	46.2	56.01	14	46.2	A0		C0	2427	P -57 1822
90	9.0	8.6W	58 53.012	-0.0111	07	-58 28 19.26	0.013	07	0.14	53.054	14	46.2	19.31	14	46.2	G5		C0	2428	P -58 1336
91	8.8	8.7W	58 53.141	-0.0034	07	-55 23 15.54	0.011	07	0.18	53.182	15	38.1	15.68	18	38.1	F0		C9	3226	P -55 1889
92	10.0		58 53.834	0.0017	13	-56 25 25.27	0.007	13	0.15	53.827	14	46.2	25.30	14	46.2	A2	O	C0	2429	P -56 1959
93		8.0T	58 55.149	-0.0039	12	-57 6 7.98	0.001	12	0.58	55.328	19	07.0	8.02	19	04.7	F2		GC	12474	P -56 1962
94		8.4T	58 56.758	-0.0007	14	-57 15 52.93	-0.054	13	0.69	56.794	21	03.3	52.34	19	02.1	K2		GC	12476	P -56 1963
95		6.7T	59 3.648	-0.0012	11	-51 21 31.73	-0.001	08	0.49	3.703	17	03.4	31.69	17	95.8	B3		GC	12480	C -51 3420
96	10.2		59 5.560	-0.0044	13	-56 12 45.31	-0.005	13	0.15	5.577	14	46.2	45.30	14	46.2	A8	O	C0	2433	P -55 1892
97	9.7		59 8.408	-0.0020	07	-54 15 33.65	0.018	07	0.18	8.432	15	38.1	33.87	18	38.1	A2		C9	3227	P -53 2048
98	9.2	9.2W	59 11.488	-0.0017	06	-57 44 28.71	-0.001	06	0.14	11.495	14	46.2	28.71	14	46.2	A3		C0	2434	P -57 1824
99	10.1E	9.4Z	59 12.559	-0.0056	12	-50 45 50.78	0.022	12	0.71	12.823	45	03.2	51.80	45	03.2			CZ	6879	P -50 1983
00		8.1T	59 13.411	0.0011	13	-54 9 57.20	0.003	12	0.63	13.360	21	04.0	57.33	19	00.5	B9		GC	12484	P -53 2050

236500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 8H DM NUMBER
1	8.3	8.7W	8 59 13.764	-0.0005	07	-56 54 41.98	0.008	07	0.14	13.766	14	46.2	42.01	14	46.2	B5	CO	2435	P -56 1968
2	9.6	9.6W	59 16.559	0.0031	07	-56 9 57.65	0.013	07	0.14	16.547	14	46.2	57.70	14	46.2	A2	CO	2436	P -55 1893
3		8.1T	59 17.186	-0.0076	12	-50 14 21.29	0.006	10	0.61	17.569	18	99.8	21.63	19	94.7	K0	GC	12465	C -49 4050
4	9.3	8.9W	59 21.810	-0.0001	06	-59 44 17.25	0.069	06	0.14	21.811	14	46.2	17.51	14	46.2	G5	CO	2437	P -59 1224
5		8.9T	59 26.431	-0.0086	20	-30 18 58.31	0.042	17	0.87	26.815	24	05.5	+ 0.30	22	02.9	G0	GC	12488	C#-50 3761
6	9.8E	9.0H	59 26.800	-0.0019	12	-50 55 57.41	0.001	12	0.65	26.893	31	01.8	57.44	28	01.8	A0	CZ	6884	P -50 1988
7	9.7	8.1W	59 32.603	-0.0005	06	-57 43 12.54	-0.008	06	0.14	32.605	14	46.2	12.51	14	46.2	MA	CO	2438	P -57 1825
8	10.3		59 33.778	-0.0024	07	-56 10 9.12	0.021	07	0.14	33.787	14	46.2	9.20	14	46.2	A8	CO	2439	P -55 1897
9	10.1		59 36.612	-0.0033	20	-55 33 21.85	0.010	20	0.29	36.650	15	38.1	21.97	18	38.1	A1	C9	3229	P -55 1896
10	8.7	8.9W	59 37.018	0.0003	07	-56 16 50.35	-0.015	07	0.14	37.017	14	46.2	50.39	14	46.2	A0	CO	2440	P -55 1898
11	10.3E	9.0H	59 47.598	-0.0041	12	-50 6 7.44	0.029	12	0.72	47.794	45	02.7	8.79	45	02.7	K2	CZ	6888	P -49 2102
12	9.2	9.3W	59 49.200	-0.0019	06	-53 21 2.34	0.018	06	0.18	49.222	15	38.1	2.56	18	38.1	A3	C9	3230	P -53 2055
13	9.7		59 55.907	0.0003	13	-57 26 19.60	0.002	13	0.15	55.906	14	46.2	19.61	14	46.2	A2	CO	2441	P -57 1828
14	9.5	9.6W	59 57.782	-0.0034	07	-52 42 59.40	-0.012	07	0.18	57.822	15	38.1	59.26	18	38.1	A2	C9	3231	P -52 1858
15	8.3E	8.6H	9 0 3.994	-0.0020	12	-50 3 3.68	-0.017	12	0.65	4.064	31	01.5	2.83	28	01.5	B8	CZ	6892	P -49 2109
16	8.7	9.1W	0 5.473	-0.0058	07	-55 27 6.44	0.003	07	0.18	5.542	15	38.1	6.47	18	38.1	A0	C9	3232	P -55 1900
17	9.3	9.2W	0 10.011	0.0013	07	-56 44 36.10	0.001	07	0.14	10.006	14	46.2	36.11	14	46.2	F2	CO	2442	P -56 1970
18		5.4T	0 11.351	-0.0011	09	-51 59 27.57	0.017	07	0.49	11.412	19	96.4	28.61	17	88.5	B9	GC	12501K	C#-51 3430
19	8.9	8.8W	0 13.078	-0.0020	06	-53 54 27.64	0.002	06	0.18	13.102	15	38.1	27.66	18	38.1	F0	C9	3233	P -53 2062
20	8.1	8.6W	0 20.617	-0.0021	06	-52 42 19.49	0.014	06	0.18	20.642	15	38.1	19.66	18	38.1	B9	C9	3234	P -52 1862
21	9.6	9.6W	0 21.426	-0.0015	09	-59 11 2.80	0.003	09	0.14	21.432	14	46.2	2.81	14	46.2	A2	CO	2443	P -58 1349
22	10.0	9.2W	0 21.701	-0.0015	07	-56 15 45.81	-0.005	07	0.14	21.707	14	46.2	45.80	14	46.2	MA	CO	2444	P -55 1903
23	8.9	9.0W	0 24.525	-0.0001	13	-57 9 54.94	-0.008	13	0.15	24.526	14	46.2	54.91	14	46.2	A0	CO	2445	P -56 1972
24	9.3E	9.4H	0 29.363	-0.0027	12	-50 16 14.59	-0.009	12	0.71	29.468	45	03.2	14.15	45	03.2	F0	CZ	6899	P -49 2118
25	10.0	9.2W	0 30.434	-0.0004	09	-56 38 37.56	0.012	09	0.14	30.436	14	46.2	37.61	14	46.2	G5	CO	2446	P -56 1973
26	9.9	9.6W	0 39.082	-0.0066	15	-55 53 39.66	-0.058	15	0.24	39.160	15	38.1	38.98	18	38.1	F8	C9	3235	P -55 1907
27			0 49.215	-0.0015	06	-52 38 36.08	-0.011	06	0.18	49.232	15	38.1	35.96	18	38.1	B9	C9	3236V	P#-52 1867
28		7.8T	0 57.915	-0.0064	13	-54 49 56.62	-0.007	12	0.65	58.216	21	02.6	56.24	19	99.2	A0	GC	12517	P -54 1982
29	9.8		1 1.745	-0.0002	07	-56 54 30.47	0.011	07	0.14	1.746	14	46.2	30.51	14	46.2		CO	2447	P -56 1977
30	9.4	9.6W	1 1.917	-0.0019	06	-57 34 43.29	0.005	06	0.14	1.925	14	46.2	43.31	14	46.2	A	CO	2448	P -57 1837
31	8.6E	8.4H	1 6.582	-0.0014	12	-50 37 38.10	-0.000	12	0.65	6.650	31	01.8	38.08	28	01.8	A0	CZ	6910	P -50 2004
32	9.4	9.3W	1 7.797	-0.0010	06	-59 57 55.13	-0.006	06	0.14	7.801	14	46.3	55.11	14	46.3	F2	CO	2359	P -59 1235
33	9.5	9.5W	1 13.132	-0.0013	06	-56 12 8.78	0.004	06	0.14	13.137	14	46.2	8.79	14	46.2		CO	2450	P -55 1910
34	9.9E	9.2H	1 15.930	-0.0038	12	-51 38 54.73	0.004	12	0.71	16.107	45	03.7	54.90	45	03.7	A5	CZ	6914	P -51 1834
35	9.0	8.6W	1 21.894	-0.0007	07	-55 24 38.50	0.040	07	0.18	21.901	15	38.1	38.98	18	38.1	G0	C9	3238	P -55 1911
36	9.9	9.8W	1 23.865	-0.0028	07	-56 58 51.35	-0.010	07	0.14	23.876	14	46.2	51.31	14	46.2		CO	2451	P -56 1985
37	8.6	8.8W	1 24.544	0.0010	07	-55 13 48.69	0.007	07	0.18	24.531	15	38.1	48.77	18	38.1	A0	C9	3239	P -54 1987
38	9.4	9.6W	1 24.560	-0.0061	09	-52 8 23.42	-0.014	09	0.20	24.633	15	38.1	23.26	18	38.1	A3	C9	3240	P -51 1840
39	8.4	8.5W	1 30.619	0.0005	07	-55 58 28.55	0.012	07	0.14	30.617	14	46.2	28.60	14	46.2	A0	CO	2452	P -55 1913
40	9.1E	8.4H	1 31.359	-0.0050	12	-50 57 37.11	-0.003	12	0.66	31.593	36	03.5	36.96	36	03.5	F8	CZ	6922	P -50 2008
41	9.9E	9.4H	1 32.402	-0.0007	12	-50 2 30.83	-0.005	12	0.67	32.433	36	02.6	30.57	36	02.6	F5	CZ	6921	P -49 2127
42		6.5T	1 34.727	-0.0030	12	-53 21 4.27	0.029	11	0.61	34.872	21	01.0	5.79	19	96.8	B9	GC	12528	P#-53 2072
43	9.8	8.4W	1 40.453	0.0024	07	-58 11 43.00	-0.025	07	0.14	40.444	14	46.2	42.91	14	46.2	K5	CO	2453	P -57 1841
44	9.7E	8.5Z	1 43.918	-0.0028	12	-51 5 38.42	0.008	12	0.66	44.050	36	03.5	38.81	36	03.5	K0	CZ	6928	P -50 2010
45	10.2E	9.3Z	1 54.784	-0.0018	12	-50 30 38.14	0.002	12	0.71	54.868	45	03.7	38.24	45	03.7	A0	CZ	6931	P -50 2012
46	9.1	9.5W	1 57.375	-0.0006	07	-54 57 12.22	-0.004	07	0.18	57.382	15	38.1	12.17	18	38.1	A0	C9	3243	P -54 1992
47	7.9	8.0W	2 3.235	-0.0024	06	-57 34 2.58	0.008	06	0.14	3.245	14	46.2	2.61	14	46.2	A0	CO	2454	P -57 1848
48	9.4	9.7W	2 6.934	0.0017	07	-56 25 40.30	-0.002	07	0.14	6.927	14	46.2	40.29	14	46.2	A	CO	2455	P -56 1987
49	10.0	8.2W	2 17.499	-0.0011	07	-53 52 32.20	0.005	07	0.18	17.512	15	38.1	32.26	18	38.1	MA	C9	3244	P -53 2076
50	9.3	7.8W	2 20.790	-0.0027	06	-52 41 58.11	-0.013	06	0.18	20.822	15	38.1	57.96	18	38.1	K5	C9	3245	P -52 1893
51	9.2E	8.0Z	9 2 22.035	-0.0034	12	-51 14 58.59	-0.009	12	0.65	22.201	31	01.7	58.17	31	01.7	A0	CZ	6939	P -50 2021
52	9.4	9.2W	2 25.763	-0.0008	07	-53 32 8.03	-0.014	07	0.18	25.772	15	38.1	7.86	18	38.1	F5	C9	3246	P -53 2082
53	9.6	9.8W	2 35.216	-0.0013	07	-56 8 21.91	-0.053	07	0.18	35.201	15	38.1	21.28	18	38.1	A0	C9	3247	P#-55 1919
54	9.7		2 37.368	-0.0029	07	-53 29 57.17	-0.010	07	0.18	37.402	15	38.1	57.06	18	38.1	A0	C9	3248	P -53 2086
55	10.2		2 40.456	-0.0022	15	-54 18 11.84	0.052	15	0.24	40.482	15	38.1	12.47	18	38.1	A	C9	3249	P -54 1998
56	9.1	8.9W	2 43.323	-0.0020	07	-59 50 20.37	0.009	07	0.14	43.331	14	46.3	20.41	14	46.3	F8	CO	2366	P -59 1247
57	10.0E	9.3Z	2 46.455	-0.0017	12	-51 27 8.00	-0.013	12	0.81	46.535	63	04.2	7.42	57	04.2	A0	CZ	6947	P -51 1861
58	9.7		2 50.243	-0.0041	15	-54 24 59.89	0.023	15	0.24	50.292	15	38.1	+ 0.16	18	38.1	A0	C9	3250	P -54 2001
59	8.8	9.1W	2 52.719	-0.0028	06	-54 43 33.52	0.004	06	0.18	52.752	15	38.1	33.57	18	38.1	A0	C9	3251	P -54 2002
60	9.4	9.7W	2 53.033	-0.0007	07	-56 35 57.72	-0.003	07	0.14	53.036	14	46.2	57.71	14	46.2	A0	CO	2457	P -56 1992
61		7.4T	2 56.077	0.0048	16	-52 18 40.63	-0.163	10	0.67	55.848	19	02.8	32.38	18	99.4	G0	GC	12554	P -52 1904
62	9.9		3 4.268	-0.0029	15	-53 24 22.25	0.009	15	0.24	4.302	15	38.1	22.36	18	38.1	A0	C9	3253	P -53 2092
63	10.1E	9.8Z	3 5.324	-0.0020	12	-50 12 55.42	-0.013	12	0.71	5.414	45	03.7	54.83	45	03.7	A2	CZ	6957	P -49 2162
64	8.6	9.0W	3 5.880	0.0022	09	-58 57 24.59	0.006	09	0.14	5.872	14	46.2	24.61	14	46.2	B8	CO	2458	P -58 1370
65		9.2T	3 7.472	0.0058	16	-56 8 31.47	-0.049	12	0.73	7.167	22	01.9	28.86	21	96.9		GC	12560K	P -55 1922
66	9.8		3 8.216	-0.0005	07	-55 19 14.47	0.034	07	0.18	8.222	15	38.1	14.88	18	38.1	A0	C9	3255	P -55 1923
67	9.5	8.6W	3 8.262	-0.0034	06	-52 52 41.56	-0.009	06	0.18	8.302	15	38.1	41.46	18	38.1	K0	C9	3256	P#-52 1908
68		6.7W	3 8.649	-0.0018	04	-56 8 28.66	-0.024	04	0.17	8.670	15	38.1	28.38	18	38.1	B9	C9	3257	P -55 1924
69	9.5	8.8W	3 11.311	-0.0062	06	-57 40 50.24	-0.009	06	0.14	11.335	14	46.2	50.21	14	46.2	G5	CO	2460	P -57 1857
70	10.1	9.8W	3 12.140	-0.0093	07	-57 27 59.58	-0.019	07	0.14	12.176	14	46.2	59.51	14	46.2	G2	CO	2461	P -57 1858
71	10.0		3 12.214	0.0011	15	-55 50 0.77	0.034	15	0.24	12.200	15	38.1	1.17	18	38.1	A2	C9	3258	P -55 1925
72	10.0	8.9W	3 12.376	-0.0005	06	-54 38 0.31	0.005	06	0.18	12.382	15	38.1	0.38	18	38.1	K2	C9	3259	P -54 2005
73	9.7	8.9W	3 12.394	-0.0022	07	-58 36 52.64	-0.008	07	0.14	12.402	14	46.2	52.61	14	46.2	K0	CO	2462	P -58 1371
74	8.6E	8.5Z	3 19.020	-0.0036	12	-51 46 32.42	0.002	12	0.65	19.194	31	01.7	32.51	31	01.7	B9	CZ	6962	P -51 1866
75	9.9	9.7W	3 21.961	-0.0015	07	-56 13 2.48	0.005	07	0.14	21.967	14	46.2	2.50	14	46.2	F2	CO	2463	P -55 1930
76	8.4	8.7W	3 23.304	-0.0041	06	-52 53 32.00	-0.004	06	0.18	23.352	15	38.1	31.96	18	38.1	A0	C9	3260	P -52 1914
77	10.2E	9.0Z	3 27.237	-0.0018	12	-51 29 9.62	-0.003	12	0.81	27.321	63	04.2	9.50	57	04.2	A5	CZ	6967	P -51 1867
78		6.5T	3 27.992	-0.0033	09	-57 39 8.37	0.023	09	0.50	28.163	18	01.3	9.57	17	98.7	A3	GC	12567K	P#-57 1859
79	8.9	8.2W	3 29.741	0.0013	07	-56 31 48.18	-0.020	07	0.14	29.736	14	46.2	48.11	14	46.2	K0	CO	2465	P -56 1997
80	9.0E	9.0Z	3 36.685	-0.0033	12	-50 3 57.27	0.001	12	0.72	36.839	45	02.7	57.32	45	02.7	F0	CZ	6970	P -49 2169
81	10.0	9.9W	3 37.607	-0.0055	07	-54 2 33.68	-0.018	07	0.18	37.672	15	38.1	33.47	18	38.1	A3	C9	3261	P -53 2102
82	10.1		3 40.082	-0.0016	15	-55 47 35.09	0.024	15	0.24	40.101	15	38.1	35.37	18	38.1	A	C9	3262	P -55 1933
83	8.5	8.6W	3 41.863	-0.0033	06	-53 0 42.74	0.010	06	0.18	41.902	15	38.1	42.86	18	38.1	B5	C9	3263	P -52 1916
84	9.3	8.0W	3 42.954	-0.0023	07	-55 2 25.24	0.028	07	0.18	42.982	15	38.1	25.57	18	38.1	K2	C9	3264	P -54 2011
85	9.1	9.3W	3 46.183	-0.0024	07	-58 34 1.54	-0.009	07	0.14	46.192	14	46.2	1.51	14	46.2	A3	CO	2466	P -58 1376
86	9.8	9.6W	3 46.774	-0.0006	15	-55 41 28.39	0.007	15	0.24	46.780	15	38.1	28.47	18	38.1	F0	C9	3265	P -55 1935
87	8.5	8.9W	3 52.102	-0.0026	08	-55 50 4.53	-0.005	08	0.19	52.131	15	38.1	4.48	18	38.1	B9	C9	3266	P -55 1937
88		7.4T	3 52.370	-0.0004	17	-50 5 10.94	-0.024	10	0.72	52.391	17	01.5	9.66	16	96.3	B8	GC	12572	C -49 4111
89	9.7	9.7W	3 56.438	-0.0002	13	-55 41 23.57	0.042	13	0.23	56.441	15	38.1	24.07	18	38.1	A0	C9	3267	P -55 1939
90	9.2	8.4W	4 2.961	-0.0001	07	-55 16 49.01	0.005	07	0.18	2.961	15	38.1	49.07	18	38.1	K0	C9	3268	P -54 2015
91	9.1	9.4W	4 6.981	0.0017	15	-55 47 32.90	0.006	15	0.24	6.960	15	38.1	32.98	18	38.1	A0	C9	3269	P -55 1943
92	8.6	8.6W	4 9.165	-0.0046	07	-58 43 27.11	-0.000	07	0.14	9.182	14	46.2	27.11	14	46.2	A5	CO	2467	P -58 1379
93	9.6	9.9W	4 10.226	0.0005	11	-58 25 57.32	-0.004	11	0.15	10.224	14	46.2	57.31	14	46.2	A0	CO	2468	P -58 1378
94	9.0E	8.8Z	4 12.365	-0.0024	12	-51 15 35.95	-0.002	12	0.81	12.476	63	04.2	35.87	57	04.2	A0	CZ	6989	P -50 2051
95	8.8	9.2W	4 18.566	-0.0004	08	-55 32 16.33	-0.022	08	0.19	18.571	15	38.1	16.07	18	38.1	A0	C9	3270	P -55 1945
96	8.1	8.4W	4 23.841	-0.0043	06	-52 35 59.32	0.011	06	0.18	23.892	15	38.1	59.46	18	38.1	B8	C9	3271	P -52 1924
97	8.9	7.8W	4 26.861	-0.0028	07	-54 49 40.32	-0.012	07	0.18	26.892	15	38.1	40.18	18	38.1	K2	C9	3272	P -54#2018
98	9.8	9.7W	4 30.057	-0.0037	07	-56 8 26.17	-0.008	07	0.18	30.101	15	38.1	26.07	18	38.1	A5	C9	3273	P -55 1947
99	8.4	8.4W	4 30.196	-0.0015	06	-59 18 56.15	-0.010	06	0.14	30.202	14	46.2	56.11	14	46.2	A3	CO	2469	P -59 1260
00	10.3	9.4W	4 30.579	0.0015	08	-55 42 38.86	0.001	08	0.19	30.561	15	38.1	38.87	18	38.1	K5	C9	3274	P -55 1946

236600 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.3	9.0W	9 4 32.577	0.0012	06	-52 45 9.81	-0.005	06	0.18	32.562	15	38.1	9.76	18	38.1	F8	C9	3275	P -52 1928
2	8.5	8.9W	4 38.346	-0.0014	06	-54 42 9.43	-0.005	06	0.18	38.362	15	38.1	9.38	18	38.1	A0	C9	3276	P -54 2019
3	9.9		4 44.678	-0.0004	07	-53 20 58.53	0.019	07	0.18	44.682	15	38.1	58.76	18	38.1	B6	C9	3277	P -53 2118
4	9.4	9.2W	4 53.492	0.0001	07	-55 38 35.73	0.046	07	0.18	53.491	15	38.1	36.28	18	38.1	A5	C9	3278	P -55 1951
5	8.2	8.4W	4 56.363	-0.0033	07	-53 3 54.13	-0.023	07	0.18	56.402	15	38.1	53.86	18	38.1	B9	C9	3279	P -52 1932
6	9.3	8.4W	5 0.589	-0.0020	07	-52 50 8.24	-0.007	07	0.18	0.612	15	38.1	8.16	18	38.1	K2	C9	3280	P -52 1933
7	8.3	8.7W	5 1.426	-0.0039	07	-53 53 15.37	0.016	07	0.18	1.472	15	38.1	15.56	18	38.1	A0	C9	3281	P -53 2122
8	9.1	8.6W	5 2.132	-0.0235	07	-58 51 59.95	0.067	07	0.14	2.222	14	46.2	+ 0.21	14	46.2	G5	C0	2470	P -58 1385
9	10.3E	9.7Z	5 3.199	-0.0017	12	-50 51 20.54	-0.005	12	0.71	3.279	45	03.7	20.32	45	03.7	A0	CZ	7006	P -50 2057
10		7.7T	5 5.805	0.0000	16	-59 0 16.50	0.003	11	0.63	5.804	19	06.8	16.65	18	02.0	B9	GC	12597	P -58 1366
11		6.2T	5 7.832	-0.0016	13	-55 36 3.90	-0.024	12	0.64	7.915	21	03.4	2.69	19	99.7	B5	GC	12598	P -55 1957
12		7.4T	5 9.231	-0.0045	17	-52 19 39.49	0.012	11	0.73	9.446	19	02.7	40.13	21	96.5	K0	GC	12599	P -52 1937
13	10.6	9.7W	5 15.623	0.0002	07	-55 40 1.78	0.025	07	0.18	15.621	15	38.1	2.07	18	38.1	K0 ○	C9	3285	P -55 1961
14	9.9E	9.0Z	5 21.837	-0.0006	12	-50 50 31.84	-0.013	12	0.71	21.867	45	03.7	31.26	45	03.7	B9	CZ	7012	P -50 2062
15	9.8	9.8W	5 24.210	-0.0010	07	-54 6 58.71	-0.021	07	0.18	24.222	15	38.1	58.46	18	38.1	A5	C9	3286	P -53 2128
16	10.2		5 33.361	-0.0026	13	-53 47 33.75	-0.024	13	0.23	33.392	15	38.1	33.47	18	38.1	A2	C9	3287	P -53 2131
17	9.6	9.4W	5 34.260	-0.0033	13	-58 33 16.56	0.012	13	0.15	34.272	14	46.2	16.61	14	46.2	G0	C0	2472	P -58 1387
18		6.5T	5 37.988	0.0010	14	-51 0 34.67	-0.005	10	0.65	37.937	18	00.1	34.41	17	95.2	K5	GC	12611	C -50 3849
19	10.2E	9.6Z	5 44.613	-0.0010	12	-50 34 45.68	-0.004	12	0.71	44.660	45	03.7	45.50	45	03.7	A2	CZ	7020	P -50 2069
20	8.5	8.3W	5 46.120	-0.0063	07	-58 27 14.32	0.024	07	0.14	46.144	14	46.2	14.41	14	46.2	F5	C0	2474	P -58 1389
21	9.2	9.6W	5 49.022	-0.0034	07	-52 17 48.60	-0.003	07	0.18	49.063	15	38.1	48.56	18	38.1	A0	C9	3289	P -51 1888
22	9.9		5 53.240	-0.0043	08	-55 31 45.04	0.003	08	0.19	53.290	15	38.1	45.07	18	38.1	A3	C9	3290	P -55 1969
23		6.6T	5 56.700	-0.0027	13	-57 15 41.71	0.022	10	0.61	56.843	21	02.6	42.85	19	98.0	G5	GC	12617	P -56 2010
24	10.2E	8.7Z	5 58.476	-0.0004	12	-51 41 50.00	-0.006	12	0.81	58.494	63	04.2	49.74	57	04.2	K0	CZ	7030	P -51 1889
25	9.0E	9.2H	6 0.897	-0.0010	12	-50 17 44.42	-0.009	12	0.71	0.941	45	03.7	44.01	45	03.7	A0	CZ	7029	P -49 2199
26	9.3E	8.8H	6 2.827	-0.0057	12	-50 26 16.89	0.007	12	0.71	3.090	45	03.7	17.23	45	03.7	F0	CZ	7032	P -50 2072
27	9.7		6 5.422	-0.0009	15	-52 57 56.68	0.006	15	0.24	5.432	15	38.1	56.76	18	38.1	A	C9	3291	P*-52 1957
28		6.7T	6 6.721	-0.0039	18	-58 56 51.05	0.003	12	0.78	6.924	26	03.4	51.22	21	97.7	A2	GC	12621	P -58 1390
29	8.7	8.5W	6 7.069	0.0012	05	-58 13 17.43	0.020	05	0.14	7.065	14	46.2	17.51	14	46.2	F8	C0	2477	P -57 1878
30	10.4		6 12.292	-0.0076	15	-54 54 19.65	0.010	15	0.24	12.382	15	38.1	19.77	18	38.1	B9	C9	3292	P -54 2037
31	9.7	8.5W	6 16.869	0.0006	07	-54 22 18.34	-0.015	07	0.18	16.862	15	38.1	18.16	18	38.1	K2	C9	3293	P -54 2038
32		8.0T	6 18.582	-0.0030	18	-50 16 39.07	-0.132	18	0.89	18.724	19	03.0	32.81	19	02.5	F8	GC	12629	C -49 4142
33	10.1	9.6W	6 22.593	-0.0008	07	-56 30 44.04	-0.008	07	0.14	22.596	14	46.2	44.01	14	46.2	G2 ○	C0	2478	P -56 2015
34		7.5T	6 22.948	-0.0015	16	-58 58 55.76	0.004	10	0.65	22.873	21	06.1	55.96	19	00.4	A3	GC	12630	P -58 1393
35	9.7	9.4W	6 23.853	-0.0030	11	-57 31 51.94	0.017	11	0.15	23.865	14	46.2	52.01	14	46.2	F5	C0	2480	P -57 1882
36	7.6	7.9W	6 26.226	-0.0013	07	-55 7 17.40	0.006	07	0.18	26.242	15	38.1	17.47	18	38.1	A0	C9	3294	P -54 2040
37	10.2E	9.6Z	6 32.935	-0.0015	12	-50 24 36.50	-0.032	12	0.71	33.003	45	03.7	35.03	45	03.7	F2	CZ	7040	P -50 2082
38		8.5T	6 32.969	-0.0005	15	-54 5 24.13	-0.003	12	0.67	32.992	21	03.9	23.96	19	00.8	A2	GC	12637	P -53 2150
39	10.3E	8.5Z	6 33.581	-0.0038	12	-50 35 43.10	-0.005	12	0.71	33.758	45	03.7	42.87	45	03.7	K2	CZ	7041	P -50 2084
40	8.8E	7.5Z	6 39.122	-0.0008	12	-51 13 59.97	-0.007	12	0.81	39.160	63	04.2	59.66	57	04.2	G5	CZ	7042	P -50 2085
41	9.6		6 39.871	-0.0035	07	-53 6 17.33	0.027	07	0.18	39.912	15	38.1	17.66	18	38.1	A	C9	3296	P -52 1965
42	8.5	8.6W	6 40.183	0.0020	07	-57 11 19.30	-0.023	07	0.14	40.176	14	46.2	19.21	14	46.2	A0	C0	2481	P -56 2017
43	9.7	9.8W	6 40.836	-0.0017	13	-58 49 35.26	0.013	13	0.15	40.842	14	46.2	35.31	14	46.2	A0	C0	2482	P -58 1396
44	8.2	8.3W	6 41.557	-0.0021	06	-54 53 49.26	0.018	06	0.18	41.582	15	38.1	49.47	18	38.1	A3	C9	3297	P -54 2045
45	9.8	9.0W	6 44.939	-0.0018	07	-56 37 23.37	0.009	07	0.14	44.946	14	46.2	23.41	14	46.2	G5	C0	2483	P -56 2019
46		6.9T	6 45.204	-0.0015	14	-57 55 39.19	0.082	10	0.60	45.280	18	04.7	43.21	17	01.2	G5	GC	12641	P -57 1885
47	9.7E	8.5Z	6 47.098	-0.0006	12	-51 33 17.48	-0.020	12	0.81	47.126	63	04.2	16.58	57	04.2	K0	CZ	7045	P -51 1900
48	9.4	9.4W	6 49.283	0.0005	07	-59 50 24.47	0.011	07	0.14	49.281	14	46.3	24.51	14	46.3	A2 ○	C0	2383	P -59 1277
49	9.6E	8.5Z	6 51.151	-0.0023	12	-51 18 33.75	-0.002	12	0.81	51.258	63	04.2	33.67	57	04.2	A2	CZ	7047	P -51 1903
50	8.3	8.0W	6 51.481	-0.0091	07	-57 21 10.71	0.051	07	0.14	51.516	14	46.2	10.91	14	46.2	F8	C0	2486	P -57 1886
51	9.2	9.1W	9 6 53.150	-0.0027	15	-52 22 28.12	0.003	15	0.24	53.183	15	38.1	28.16	18	38.1	B0	C9	3298	P -52 1968
52	10.3		6 53.597	-0.0012	13	-55 32 56.43	-0.013	13	0.23	53.611	15	38.1	56.28	18	38.1	F2 ○	C9	3299	P -55 1976
53	9.4	9.8W	6 55.419	-0.0036	07	-53 48 50.56	0.000	07	0.18	55.462	15	38.1	50.57	18	38.1	A0	C9	3300	P -53 2157
54	10.3		7 1.380	-0.0001	15	-55 33 2.81	-0.020	15	0.24	1.381	15	38.1	2.57	18	38.1	A8 ○	C9	3301	P -55 1977
55	9.1	9.4W	7 4.738	-0.0037	07	-53 55 1.52	0.012	07	0.18	4.782	15	38.1	1.66	18	38.1	B8	C9	3302	P -53 2158
56	10.0	9.8W	7 9.664	0.0027	07	-54 11 10.61	0.013	07	0.18	9.632	15	38.1	10.77	18	38.1		C9	3303	P -53 2161
57		7.5T	7 9.764	-0.0020	14	-54 10 2.19	-0.023	11	0.65	9.855	21	03.9	1.01	19	99.7	B8	GC	12650	P -53 2162
58	9.2	9.5W	7 15.735	-0.0023	07	-53 2 37.93	-0.015	07	0.18	15.762	15	38.1	37.76	18	38.1	A0	C9	3305	P -52 1976
59	8.8	8.8W	7 16.615	0.0002	07	-54 22 18.32	0.020	07	0.18	16.612	15	38.1	18.56	18	38.1	F5	C9	3306	P -54 2054
60		6.9T	7 21.304	0.0011	12	-53 23 22.69	0.009	11	0.56	21.254	18	06.7	23.11	18	01.3	A2	GC	12652	P -53 2164
61	9.1	8.2W	7 22.972	0.0019	07	-58 7 6.88	-0.020	07	0.14	22.965	14	46.2	6.81	14	46.2	G5	C0	2487	P -57 1892
62	9.4	9.1W	7 42.394	-0.0032	07	-52 47 48.80	-0.021	07	0.18	42.432	15	38.1	48.56	18	38.1	G0	C9	3308	P -52 1986
63	10.2		7 42.590	-0.0039	13	-57 39 48.72	-0.028	13	0.15	42.605	14	46.2	48.61	14	46.2	A7	C0	2488	P -57 1898
64	9.8	9.2W	7 43.992	-0.0059	07	-53 35 52.66	0.042	07	0.18	44.062	15	38.1	53.16	18	38.1	G5	C9	3309	P -53 2169
65	8.6	8.5W	7 47.884	-0.0048	07	-59 21 10.40	-0.023	07	0.14	47.902	14	46.2	10.31	14	46.2	F2	C0	2489	P -59 1289
66	9.1	9.4W	7 51.697	-0.0030	05	-52 3 19.77	0.015	05	0.18	51.732	15	38.1	19.96	18	38.1	A2	C9	3310	P -51 1923
67	9.9		7 51.794	-0.0005	13	-56 41 25.05	-0.010	13	0.15	51.796	14	46.2	25.01	14	46.2	A0	C0	2490	P -56 2026
68		9.3T	7 51.807	-0.0007	26	-52 3 20.38	0.003	22	1.08	51.839	24	06.9	20.51	24	05.7	A2	GC	12661	C -51 3542
69	8.5	8.8W	7 54.452	-0.0009	06	-56 59 27.13	-0.005	06	0.14	54.456	14	46.2	27.11	14	46.2	A0	C0	2491	P -56 2028
70		7.4T	7 57.374	-0.0077	12	-59 3 59.23	0.023	09	0.53	57.754	19	04.4	+ 0.38	17	00.5	A3	GC	12662	P -58 1404
71	9.0	8.9W	8 11.974	-0.0024	07	-52 32 44.86	0.008	07	0.18	12.002	15	38.1	44.96	18	38.1	A2	C9	3311	P -52 1997
72	9.7	8.4W	8 12.778	-0.0012	06	-54 12 35.57	-0.026	06	0.18	12.792	15	38.1	35.27	18	38.1	K5	C9	3312	P -53 2172
73		6.3T	8 21.779	-0.0102	11	-51 52 45.08	0.043	08	0.57	22.326	21	96.6	47.65	18	90.2	K0	GC	12668	C -51 3553
74	9.8E	9.0Z	8 22.618	-0.0009	12	-50 42 10.61	0.000	12	0.65	22.663	31	01.9	10.62	28	01.9	A0	CZ	7075	P -50 2106
75	9.0	9.2W	8 30.023	-0.0025	15	-52 56 33.03	-0.006	15	0.24	30.052	15	38.1	32.96	18	38.1	A0	C9	3313	P -52 2002
76	8.7	9.2W	8 32.611	-0.0018	07	-54 29 33.39	0.006	07	0.18	32.632	15	38.1	33.46	18	38.1	A0	C9	3314	P -54 2071
77	8.7	8.1W	8 36.918	-0.0004	06	-52 26 42.13	-0.022	06	0.18	36.923	15	38.1	41.86	18	38.1	G5	C9	3315	P -52 2008
78	10.0E	9.5Z	8 38.990	-0.0037	12	-51 20 7.26	0.006	12	0.81	39.160	63	04.2	7.55	57	04.2	A3	CZ	7081	P -51 1941
79	10.0E	9.5Z	8 44.514	-0.0015	12	-50 47 22.52	0.014	12	0.71	44.586	45	03.2	23.19	45	03.2	F2	CZ	7086	P -50 2112
80	9.7E	9.0H	8 44.652	-0.0022	12	-50 8 20.40	0.010	12	0.65	44.757	31	01.2	20.89	28	01.2	A0	CZ	7084	P -49 2241
81	9.5	9.8W	8 52.468	-0.0079	13	-52 56 30.28	0.006	13	0.23	52.562	15	38.1	30.36	18	38.1	A0	C9	3316	P -52 2011
82	8.9	9.0W	8 53.982	-0.0009	05	-52 24 57.38	-0.002	05	0.18	53.992	15	38.1	57.36	18	38.1	A3	C9	3317	P*-52 2010
83	9.5	9.1W	8 56.786	-0.0075	07	-58 2 13.70	0.001	07	0.14	56.815	14	46.2	13.71	14	46.2	G5	C0	2493	P -57 1905
84	9.4	8.5W	8 57.415	-0.0023	06	-53 40 46.37	-0.009	06	0.18	57.442	15	38.1	46.26	18	38.1	K0	C9	3318	P -53 2182
85	7.4	7.8W	9 8.096	-0.0047	07	-52 50 26.61	0.012	07	0.18	8.152	15	38.1	26.76	18	38.1	B9	C9	3319	P -52 2017
86	9.3	9.8W	9 13.652	-0.0009	06	-57 19 30.56	-0.014	06	0.14	13.656	14	46.2	30.51	14	46.2	B	C0	2494	P -57 1908
87	9.1	9.5W	9 14.005	-0.0040	07	-52 12 11.30	0.005	07	0.18	14.053	15	38.1	11.36	18	38.1	A0	C9	3320	P -51 1950
88	9.7E	9.2Z	9 23.371	-0.0019	12	-51 41 0.83	-0.004	12	0.81	23.458	63	04.2	0.66	57	04.2	B9	CZ	7099	P -51 1956
89	10.3E	9.0Z	9 29.535	-0.0024	12	-51 25 46.83	-0.012	12	0.65	29.653	31	01.7	46.26	31	01.7	K0	CZ	7100	P -51 1959
90		8.5T	9 33.245	0.0005	15	-51 54 21.19	-0.031	17	0.73	33.225	18	06.9	19.78	19	04.8	B8	GC	12692	C -51 3575
91	8.3	8.4W	9 33.541	-0.0012	07	-57 27 36.33	-0.006	07	0.14	33.546	14	46.2	36.31	14	46.2	A3	C0	2495	P -57 1909
92	7.7	7.7W	9 35.374	0.0008	07	-59 39 56.14	-0.008	07	0.14	35.371	14	46.2	56.11	14	46.2	A2	C0	2496	P -59 1303
93		3.6T	9 39.029	-0.0034	05	-58 45 41.72	0.006	04	0.22	39.197	09	04.3	42.02	09	00.4	B3	GC	12696	P*-58 1419
94	9.8E	9.4Z	9 40.043	-0.0022	12	-50 14 53.06	0.008	12	0.71	40.144	45	03.2	53.44	45	03.2	A0	CZ	7102	P -49 2255
95	9.7	9.6W	9 40.280	-0.0003	06	-59 45 47.25	-0.010	06	0.14	40.281	14	46.2	47.21	14	46.2	F0 ○	C0	2498	P -59 1305
96	8.5	8.8W	9 41.656	-0.0026	07	-56 56 47.34	-0.008	07	0.14	41.666	14	46.2	47.31	14	46.2	A0	C0	2499	P -56 2036
97	9.7	9.8W	9 42.047	-0.0021	13	-57 57 22.41	-0.028	13	0.15	42.055	14	46.2	22.31	14	46.2	A2	C0	2500	P -57 1910
98	9.0	9.4W	9 42.102	-0.0017	07	-54 16 24.78	-0.001	07	0.18	42.122	15	38.1	24.77	18	38.1	A0	C9	3322	P -53 2195
99	9.3	9.6W	9 45.593	-0.0023	07	-59 0 34.06	-0.014	07	0.14	45.602	14	46.2	34.01	14	46.2	A	C0	2501	P -58 1420
00	8.3	8.7W	9 47.353	-0.0004	06	-58 7 33.23	-0.005	06	0.14	47.355	14	46.2	33.21	14	46.2	B9	C0	2502	P -57 1912

236700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 9H DM NUMBER
1	10.6		9 9 59.326	-0.0014	15	-54 15 42.88	0.032	15	0.24	59.342	15	38.1	43.26	18	38.1	A0	C9	3323	P -53 2202
2	8.5	8.9W	10 0.991	-0.0018	06	-53 54 10.76	0.034	06	0.18	1.012	15	38.1	11.17	18	38.1	B9	C9	3324	P -53 2203
3	9.2E	8.0Z	10 3.496	-0.0044	12	-50 42 41.82	0.040	12	0.71	3.703	45	03.2	43.70	45	03.2	K0	CZ	7112	P -50 2127
4		6.7T	10 5.740	-0.0051	13	-53 49 52.35	0.003	11	0.64	5.980	21	02.8	52.49	19	97.7	B9	GC	12705	P -53 2205
5	9.5	9.5W	10 9.150	0.0015	12	-58 8 5.42	-0.002	12	0.15	9.144	14	46.2	5.41	14	46.2	A3	CD	2503	P -57 1915
6		7.3T	10 9.341	-0.0007	13	-57 24 46.59	0.007	11	0.60	9.377	19	05.2	46.93	18	01.5	B9	GC	12708	P -57 1913
7		6.6T	10 10.727	-0.0007	13	-57 45 44.94	0.004	10	0.59	10.764	19	04.0	45.16	18	99.6	B3	GC	12709K	P -57 1914
8	8.8	9.1W	10 19.816	-0.0022	07	-55 24 32.94	0.003	07	0.18	19.842	15	38.1	32.97	18	38.1	A0	C9	3326	P -55 2007
9	9.4	9.5W	10 22.611	-0.0010	07	-57 32 22.94	-0.034	07	0.14	22.615	14	46.2	22.81	14	46.2	A3	CD	2506	P -57 1919
10	8.5	8.7W	10 27.902	-0.0006	07	-58 28 51.98	-0.020	07	0.14	27.904	14	46.2	51.91	14	46.2	B9	CD	2507	P -58 1422
11	10.3		10 29.295	-0.0048	15	-53 46 6.67	0.008	15	0.24	29.352	15	38.1	6.77	18	38.1	A	C9	3327	P -53 2207
12		8.0T	10 31.144	-0.0025	13	-53 45 21.26	-0.001	11	0.62	31.261	21	02.8	21.19	18	98.4	B9	GC	12715K	P -53 2209
13	8.0	8.3W	10 31.622	-0.0027	06	-58 35 20.46	-0.013	06	0.14	31.632	14	46.2	20.41	14	46.2	A0	CD	2508	P -58 1423
14	9.5	9.5W	10 36.311	-0.0026	06	-54 57 21.92	0.013	06	0.18	36.342	15	38.1	22.07	18	38.1	A3	C9	3329	P -54 2090
15	10.1	9.9W	10 46.744	-0.0116	07	-54 4 24.54	-0.015	07	0.18	46.882	15	38.1	24.36	18	38.1	F5	C9	3330	P -53 2215
16	9.0	9.4W	10 55.799	-0.0036	07	-53 29 36.14	0.035	07	0.18	55.842	15	38.1	36.56	18	38.1	A	C9	3331	P -53 2217
17	10.0	8.5W	11 2.550	-0.0010	06	-53 27 16.64	0.010	06	0.18	2.562	15	38.1	16.76	18	38.1	K7	C9	3332	P -53 2218
18	10.4	9.3W	11 15.669	0.0014	07	-54 31 14.76	-0.007	07	0.18	15.652	15	38.1	14.67	18	38.1	K0	C9	3333	P -54 2098
19	9.0	9.1W	11 19.694	-0.0003	06	-57 30 37.42	-0.003	06	0.14	19.695	14	46.2	37.41	14	46.2	A2	CD	2510	P -57 1926
20	9.0	9.4W	11 23.112	-0.0016	07	-55 35 57.14	-0.006	07	0.18	23.131	15	38.1	57.07	18	38.1	A0	C9	3334	P -55 2015
21		7.4T	11 35.125	-0.0001	18	-53 17 52.47	-0.005	13	0.75	35.127	22	06.3	52.22	22	03.9	A0	GC	12738	P -52 2074
22	9.0	9.1W	11 36.769	0.0008	07	-57 14 23.32	-0.028	07	0.14	36.766	14	46.2	23.21	14	46.2	A3	CD	2511	P -56 2049
23		5.6T	11 37.087	0.0000	08	-59 12 25.88	-0.002	06	0.30	37.086	12	12.5	25.80	12	06.5	G5	GC	12740	P -58 1432
24		8.4T	11 41.490	-0.0017	14	-51 58 28.04	-0.005	11	0.67	41.574	22	01.7	27.76	21	95.6	B9	GC	12742	C -51 3614
25	9.2	9.6W	11 41.628	-0.0020	07	-54 52 25.13	-0.005	07	0.18	41.652	15	38.1	25.08	18	38.1	A0	C9	3337	P -54 2100
26		7.5T	11 46.269	-0.0024	14	-53 46 33.49	0.024	12	0.66	46.383	18	02.7	34.68	19	99.8	B9	GC	12744	P -53 2227
27	9.4E	9.0Z	11 47.875	-0.0013	12	-50 33 25.64	-0.017	12	0.65	47.939	31	01.9	24.83	28	01.9	A0	CZ	7135	P -50 2144
28	10.0	9.5W	11 55.039	0.0007	07	-55 36 21.43	0.020	07	0.18	55.031	15	38.1	21.67	18	38.1	F8	C9	3339	P -55 2024
29	10.2		11 55.409	-0.0011	15	-53 51 59.17	0.008	15	0.24	55.422	15	38.1	59.27	18	38.1	A0	C9	3340	P -53 2229
30	9.7	9.1W	11 56.707	0.0089	07	-55 38 43.87	0.051	07	0.18	56.601	15	38.1	44.48	18	38.1	G0	C9	3341	P -55 2025
31	9.4	9.8W	12 1.054	0.0018	13	-56 27 48.56	0.010	13	0.15	1.047	14	46.2	48.60	14	46.2	A	CD	2513	P -56 2052
32	9.3E	8.5Z	12 4.173	-0.0029	12	-50 0 57.80	-0.002	12	0.65	4.313	31	01.3	57.71	28	01.3	F5	CZ	7140	P -49 2279
33	8.2	8.3W	12 6.737	-0.0021	06	-54 59 25.35	0.027	06	0.18	6.762	15	38.1	25.67	18	38.1	A0	C9	3342	P -54 2106
34	8.6	7.8W	12 8.205	0.0039	07	-59 58 32.54	-0.035	07	0.14	8.191	14	46.3	32.41	14	46.3	K0	CD	2414	P -59 1315
35	10.0	9.7W	12 16.309	-0.0078	07	-54 3 33.77	0.050	07	0.18	16.402	15	38.1	34.37	18	38.1	G0	C9	3343	P -53 2233
36	9.2	9.4W	12 19.224	0.0010	07	-54 31 17.10	-0.019	07	0.18	19.212	15	38.1	16.87	18	38.1	A0	C9	3344	P -54 2108
37	8.9	9.4W	12 19.375	-0.0005	07	-56 12 12.76	0.009	07	0.14	19.377	14	46.2	12.80	14	46.2	A	CD	2515	P -55 2029
38	8.4	8.4W	12 22.272	0.0025	07	-55 19 55.10	-0.011	07	0.18	22.242	15	38.1	54.97	18	38.1	B	C9	3345	P -55 2028
39	10.1E	8.7H	12 25.834	0.0008	12	-50 24 3.41	-0.016	12	0.71	25.796	45	03.2	2.67	45	03.2	K0	CZ	7150	P -50 2156
40	9.7	10.0W	12 26.682	-0.0059	13	-56 10 1.38	-0.020	13	0.15	26.705	14	46.2	1.31	14	46.2	B9	CD	2516	P -57 1938
41	10.0		12 27.862	-0.0009	15	-55 38 55.46	-0.016	15	0.24	27.850	15	38.1	55.27	18	38.1	A0	C9	3346	P -55 2031
42	9.0E	9.1Z	12 30.364	-0.0033	12	-50 8 27.25	0.005	12	0.72	30.520	45	02.3	27.49	45	02.3	A	CZ	7152	P -49 2288
43	10.0	9.7W	12 30.795	-0.0014	08	-55 22 52.97	0.050	08	0.19	30.812	15	38.1	53.57	18	38.1	F5	C9	3347	P -55 2032
44	9.1E	9.1Z	12 30.822	-0.0043	12	-50 8 1.77	0.003	12	0.72	31.025	45	02.3	1.92	45	02.3	A	CZ	7153	P -49 2289
45	8.3	8.6W	12 32.652	-0.0017	07	-55 28 14.41	0.005	07	0.18	32.671	15	38.1	14.47	18	38.1	A0	C9	3348	P -55 2033
46	9.6		12 33.986	-0.0039	07	-54 50 42.48	-0.026	07	0.18	34.032	15	38.1	42.18	18	38.1	A0	C9	3349	P -54 2109
47	9.8	8.2W	12 39.131	0.0000	08	-55 53 5.16	-0.032	08	0.19	39.131	15	38.1	4.78	18	38.1	K5	C9	3350	P -55 2034
48	9.6	9.4W	12 48.042	-0.0034	07	-54 27 5.81	-0.004	07	0.18	48.082	15	38.1	5.77	18	38.1	G0	C9	3351	P -54 2112
49		5.2T	12 48.956	-0.0040	07	-55 21 42.95	0.020	05	0.26	49.126	10	11.7	43.80	10	07.5	K0	GC	12767	P -55 2035
50	9.8	9.9W	12 53.984	-0.0015	07	-54 47 1.60	-0.011	07	0.18	54.002	15	38.1	1.47	18	38.1	A0	C9	3353	P -54 2113
51	8.6	8.8W	9 13 4.801	0.0013	07	-57 1 52.08	0.008	07	0.14	4.796	14	46.2	52.11	14	46.2	A0	CD	2517	P -56 2058
52	9.4	9.4W	13 6.633	-0.0033	06	-53 4 1.03	-0.006	06	0.18	6.672	15	38.1	0.96	18	38.1	A0	C9	3354	P -52 2116
53	8.5	8.9W	13 9.135	0.0011	07	-52 5 19.05	-0.007	07	0.18	9.123	15	38.1	18.96	18	38.1	B9	C9	3355	P -51 2043
54	9.2	9.1W	13 11.275	-0.0048	06	-53 26 13.41	0.037	06	0.18	11.332	15	38.1	13.86	18	38.1	F8	C9	3356	P -53 2241
55	10.2		13 12.328	-0.0062	15	-54 34 49.63	0.046	15	0.24	12.402	15	38.1	50.18	18	38.1	B9	C9	3357	P -54 2116
56	9.1	9.2W	13 15.338	-0.0004	07	-52 28 44.25	-0.007	07	0.18	15.342	15	38.1	44.16	18	38.1	B9	C9	3358	P -52 2120
57	9.3	9.6W	13 16.302	-0.0042	07	-54 4 24.21	-0.021	07	0.18	16.352	15	38.1	23.96	18	38.1	B5	C9	3359	P -53 2246
58		7.1T	13 18.262	-0.0018	16	-55 25 55.88	0.017	11	0.68	18.377	21	04.2	56.77	19	97.7	B8	GC	12777	P -55 2037
59	9.4	8.3W	13 19.591	-0.0012	07	-57 27 13.41	-0.001	07	0.14	19.596	14	46.2	13.41	14	46.2	K5	CD	2519	P -57 1943
60	9.7	9.9W	13 21.143	-0.0025	07	-53 20 22.36	0.016	07	0.18	21.172	15	38.1	22.56	18	38.1	A0	C9	3361	P -53 2247
61	9.2	9.6W	13 24.352	0.0017	07	-57 0 59.07	0.010	07	0.14	24.346	14	46.2	59.11	14	46.2	B9	CD	2520	P -56 2060
62	9.3E	9.4Z	13 28.191	-0.0018	12	-51 21 48.58	-0.012	12	0.71	28.277	45	03.7	48.04	45	03.7	A0	CZ	7174	P -51 2045
63	10.2E	9.5Z	13 29.560	-0.0009	12	-51 25 6.22	-0.007	12	0.71	29.604	45	03.7	5.91	45	03.7	A	CZ	7175	P -51 2046
64	9.1	9.1W	13 30.084	-0.0017	07	-59 35 58.30	0.002	07	0.14	30.091	14	46.2	58.31	14	46.2	A0	CD	2521	P -59 1325
65	9.7	9.5W	13 30.373	0.0027	07	-55 51 32.03	-0.064	07	0.18	30.341	15	38.1	31.27	18	38.1	F5	C9	3362	P -55 2039
66	7.5	7.9W	13 33.302	-0.0017	06	-53 6 39.10	-0.012	06	0.18	33.322	15	38.1	38.96	18	38.1	A0	C9	3363	P -52 2126
67	9.4	9.2W	13 33.729	-0.0045	07	-56 52 18.62	-0.002	07	0.14	33.746	14	46.2	18.61	14	46.2	F8	CD	2522	P -56 2062
68	10.4		13 34.154	0.0003	20	-55 50 36.78	-0.034	20	0.29	34.151	15	38.1	36.37	18	38.1	A	C9	3364	P -55 2040
69	9.3	9.1W	13 39.626	-0.0016	07	-58 38 56.09	-0.021	07	0.14	39.632	14	46.2	56.01	14	46.2	A0	CD	2523	P -58 1445
70	10.4E	9.5*	13 41.329	-0.0017	12	-51 49 47.62	0.002	12	0.64	41.411	31	02.2	47.71	28	02.2	A0	CZ	7179	P -51 2050
71	9.7	8.9W	13 42.024	-0.0031	07	-57 28 20.93	0.020	07	0.14	42.036	14	46.2	21.01	14	46.2	K2	CD	2524	P -57 1947
72		6.1T	13 55.399	-0.0028	12	-58 10 45.81	-0.008	07	0.50	55.562	19	04.0	45.37	17	92.9	B5	GC	12792	P* -57 1949
73	8.5	8.8W	14 2.606	-0.0022	06	-54 45 25.20	0.015	06	0.18	2.632	15	38.1	25.37	18	38.1	A	C9	3365	P -54 2130
74	10.2	9.9W	14 3.099	-0.0070	09	-56 46 44.28	0.007	09	0.14	3.126	14	46.2	44.31	14	46.2	G0	CD	2526	P -56 2066
75	9.2	9.6W	14 3.532	-0.0017	06	-54 45 49.79	0.032	06	0.18	3.552	15	38.1	50.18	18	38.1	A	C9	3366	P -54 2131
76	9.0	7.6W	14 3.610	-0.0018	06	-56 3 8.19	0.001	06	0.14	3.617	14	46.2	8.20	14	46.2	K5	CD	2527	P -55 2044
77		6.3T	14 10.348	0.0003	12	-57 22 7.56	-0.005	12	0.58	10.336	18	06.9	7.32	17	02.1	K0	GC	12798	P* -57 1951
78	9.4	8.4W	14 10.814	-0.0007	06	-53 16 25.23	-0.015	06	0.18	10.822	15	38.1	25.06	18	38.1	K0	C9	3368	P -52 2149
79	8.8	8.7W	14 13.013	-0.0025	07	-58 40 6.65	-0.012	07	0.14	13.022	14	46.2	6.61	14	46.2	K	CD	2529	P -58 1450
80	10.0E	9.0Z	14 15.670	-0.0000	12	-51 8 2.43	-0.011	12	0.72	15.671	45	02.7	1.93	45	02.7	K0	CZ	7190	P -50 2175
81	8.5	9.0W	14 15.885	0.0002	07	-54 18 51.32	0.004	07	0.18	15.882	15	38.1	51.36	18	38.1	A0	C9	3369	P -54 2133
82	9.5	9.4W	14 16.656	-0.0030	15	-55 4 50.42	-0.004	15	0.24	16.691	15	38.1	50.37	18	38.1	A3	C9	3370	P -54 2134
83	8.3	8.1W	14 31.634	-0.0015	07	-55 20 56.93	0.020	07	0.18	31.652	15	38.1	57.17	18	38.1	F5	C9	3371	P -55 2049
84	9.8		14 35.282	-0.0011	07	-57 21 47.66	0.013	07	0.14	35.286	14	46.2	47.71	14	46.2	A	CD	2530	P -57 1958
85	8.9	8.7W	14 35.300	-0.0015	07	-56 48 59.56	0.013	07	0.14	35.306	14	46.2	59.61	14	46.2	F5	CD	2531	P -56 2069
86	9.6	9.8W	14 39.699	-0.0014	13	-57 59 45.56	-0.014	13	0.15	39.705	14	46.2	45.51	14	46.2	A0	CD	2532	P -57 1959
87		4.2T	14 47.406	-0.0018	08	-57 19 53.02	-0.009	05	0.30	47.491	12	11.3	52.61	12	04.3	K5	GC	12813	P* -57 1961
88	9.7	9.8W	14 54.269	-0.0066	13	-58 5 33.46	-0.013	13	0.15	54.295	14	46.2	33.41	14	46.2	A2	CD	2534	P -57 1964
89	10.0		14 55.635	-0.0013	13	-55 48 26.98	-0.017	13	0.23	55.651	15	38.1	26.78	18	38.1	A0	C9	3372	P -55 2052
90	9.5	8.2W	14 56.468	-0.0020	06	-55 26 12.53	-0.005	06	0.18	56.492	15	38.1	12.47	18	38.1	K2	C9	3373	P -55 2051
91	9.6	8.0W	14 56.730	0.0023	06	-54 29 41.57	-0.009	06	0.18	56.702	15	38.1	41.46	18	38.1	K5	C9	3374	P -54 2141
92	8.5	8.8W	14 57.524	-0.0021	07	-59 1 27.82	0.023	07	0.14	57.532	14	46.2	27.91	14	46.2	B9	CD	2535	P -58 1456
93	9.1E	9.1Z	14 58.611	-0.0020	12	-50 44 2.18	0.004	12	0.72	58.707	45	02.7	2.38	45	02.7	A2	CZ	7204	P -50 2182
94	8.1	8.4W	15 0.078	-0.0011	14	-58 34 39.28	0.008	14	0.15	0.082	14	46.2	39.31	14	46.2	A0	CD	2536	P -58 1457
95	9.1	9.5W	15 0.739	0.0009	07	-57 17 17.45	-0.011	07	0.14	0.736	14	46.2	17.41	14	46.2	B9	CD	2537	P -56 2073
96	9.4	8.1W	15 3.631	-0.0043	06	-53 40 6.87	-0.001	06	0.18	3.682	15	38.2	6.86	18	38.2	K0	C9	3375	P -53 2270
97	9.2	9.4W	15 4.046	-0.0042	07	-58 52 24.04	0.018	07	0.14	4.062	14	46.2	24.11	14	46.2	A0	CD	2538	P -58 1459
98	10.0		15 5.465	-0.0015	13	-54 52 56.01	0.005	13	0.23	5.482	15	38.2	56.07	18	38.2	B9	C9	3376	P -54 2145
99	9.5	9.7W	15 5.645	-0.0023	15	-55 10 41.95	0.078	15	0.24	5.671	15	38.2	42.87	18	38.2	B5	C9	3377	P -54 2147
00	8.4	8.7W	15 5.860	-0.0010	06	-53 44 26.50	0.014	06	0.18	5.872	15	38.2	26.67	18	38.2	A0	C9	3378	P -53 2272

236800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 9H DM NUMBER
1	7.7	8.0W	9 15 8.133	-0.0025	07	-54 26 45.92	-0.013	07	0.18	8.162	15	38.2	45.77	18	38.2	B9	C9	3379	P -54 2146
2	10.0		15 11.562	0.0021	13	-58 11 41.63	-0.005	13	0.15	11.555	14	46.2	41.61	14	46.2	A	CO	2539	P*-57 1966
3	9.8	9.9W	15 15.925	-0.0023	07	-52 23 49.54	-0.007	07	0.18	15.952	15	38.2	49.46	18	38.2	A2	C9	3380	P -52 2172
4		7.6T	15 16.409	-0.0033	13	-56 32 23.79	0.027	11	0.64	16.583	21	03.0	25.20	19	97.8	F5	GC	12826	P -56 2078
5	10.0	8.3W	15 19.148	-0.0024	06	-56 17 31.49	-0.024	06	0.14	19.157	14	46.2	31.40	14	46.2	M0	CO	2541	P -55 2055
6		7.9T	15 21.363	-0.0041	15	-51 13 42.17	0.002	13	0.72	21.557	19	02.4	42.28	22	00.2	A0	GC	12828	C -50 3979
7	10.0E	9.8Z	15 31.294	-0.0012	12	-50 24 55.86	-0.011	12	0.72	31.349	45	02.7	55.35	45	02.7	A2	CZ	7213	P -50 2197
8		2.2H	15 45.109	-0.0025	02	-59 3 55.70	0.005	02	0.08	45.216	04	06.2	53.89	04	07.0	F0	F4	351	P -58 1465
9	8.5E	8.1*	15 46.375	-0.0012	12	-50 21 54.84	-0.053	12	0.65	46.431	31	01.5	52.28	28	01.5	K0	CZ	7214	P -50 2204
10	9.9		15 46.704	-0.0003	17	-57 0 9.45	0.040	17	0.16	46.706	14	46.2	9.61	14	46.2	A	CO	2543	P -56 2083
11	9.3	9.5W	15 47.445	-0.0014	07	-59 43 22.54	-0.009	07	0.14	47.451	14	46.2	22.51	14	46.2	A	CO	2544	P -59 1338
12	9.3	9.6W	15 47.972	0.0005	07	-59 40 58.57	-0.015	07	0.14	47.971	14	46.2	58.51	14	46.2	A0	CO	2545	P -59 1339
13	8.8	9.1W	15 52.657	-0.0012	07	-58 50 58.05	-0.012	07	0.14	52.662	14	46.2	58.01	14	46.2	B9	CO	2546	P -58 1466
14	8.9	9.1W	15 54.851	0.0016	07	-52 37 41.53	-0.015	07	0.18	54.832	15	38.2	41.36	18	38.2	A	C9	3381	P -52 2185
15	9.3	9.2W	15 59.369	-0.0028	06	-54 18 27.61	0.013	06	0.18	59.402	15	38.2	27.77	18	38.2	F0	C9	3382	P -53 2279
16	8.4	8.0W	16 1.452	-0.0002	09	-58 31 9.13	-0.006	09	0.14	1.452	14	46.2	9.11	14	46.2	F5	CO	2547	P -58 1469
17	8.3	7.3W	16 2.516	-0.0029	07	-55 43 29.91	0.005	07	0.18	2.550	15	38.2	29.98	18	38.2	K0	C9	3383	P -55 2059
18	9.3	9.1W	16 8.755	-0.0017	06	-59 22 58.17	0.010	06	0.14	8.762	14	46.2	58.21	14	46.2	F5	CO	2548	P -59 1340
19		6.3T	16 9.590	-0.0023	14	-54 17 3.24	-0.006	12	0.66	9.697	21	03.3	2.92	19	99.8	K0	GC	12839	P -53 2281
20	9.7		16 13.172	-0.0034	07	-52 31 56.15	0.009	07	0.18	13.212	15	38.2	56.26	18	38.2	A3	C9	3385	P -52 2191
21	9.0E	9.0Z	16 15.452	0.0001	12	-51 46 1.74	0.004	12	0.82	15.448	63	03.1	1.92	57	03.1	F0	CZ	7225	P -51 2090
22	10.2	9.9W	16 23.868	-0.0071	13	-57 33 3.70	0.001	13	0.15	23.895	14	46.2	3.71	14	46.2	F8	CO	2549	P -57 1973
23	9.6	9.8W	16 24.127	0.0003	13	-56 56 32.39	0.005	13	0.15	24.126	14	46.2	32.41	14	46.2	A0	CO	2550	P -56 2091
24		5.3T	16 25.907	-0.0028	06	-50 50 23.77	0.006	05	0.26	26.026	09	07.2	24.06	09	03.1	B9	GC	12844	C*-50 4001
25	10.0E	8.5Z	16 40.114	-0.0022	12	-51 29 7.00	0.025	12	0.82	40.219	63	03.1	8.18	57	03.1	K0	CZ	7234D	P*-51 2096
26	10.6		16 40.823	-0.0008	15	-53 20 2.14	0.010	15	0.24	40.832	15	38.2	2.26	18	38.2	A7	C9	3386	P -53 2286
27	9.4	9.3W	16 41.292	-0.0001	08	-59 4 47.25	-0.010	08	0.14	41.292	14	46.2	47.21	14	46.2	A2	CO	2551	P -58 1474
28	9.8		16 44.055	-0.0039	15	-55 38 53.77	0.009	15	0.24	44.101	15	38.2	53.87	18	38.2	A0	C9	3387	P -55 2072
29	9.6	9.6W	16 46.661	-0.0035	11	-57 45 18.98	0.009	11	0.15	46.675	14	46.2	19.01	14	46.2	A5	CO	2552	P -57 1977
30	9.5	9.5W	16 47.153	-0.0031	07	-57 53 31.07	0.010	07	0.14	47.165	14	46.2	31.11	14	46.2	A2	CO	2553	P -57 1978
31	9.2	9.6W	16 47.995	-0.0023	07	-55 12 8.82	0.004	07	0.18	48.021	15	38.2	8.87	18	38.2	B9	C9	3388	P -54 2164
32	9.7	8.5W	16 49.745	-0.0015	07	-54 36 52.18	-0.017	07	0.18	49.762	15	38.2	51.98	18	38.2	K0	C9	3389	P -54 2163
33	9.4E	9.2H	16 52.676	-0.0063	12	-50 23 12.21	0.022	12	0.72	52.972	45	02.7	13.26	45	02.7	F5	CZ	7237	P -50 2225
34		6.7T	16 58.682	-0.0012	13	-57 3 42.00	0.010	11	0.64	58.746	21	03.0	42.52	19	97.8	K2	GC	12855	P -56 2095
35	9.5	9.0W	17 0.232	-0.0009	06	-56 57 23.83	-0.005	06	0.14	0.236	14	46.2	23.81	14	46.2	F0	CO	2555	P -56 2096
36		7.5T	17 1.929	-0.0004	15	-59 26 6.51	-0.001	11	0.65	1.949	21	05.1	6.47	18	99.5	A0	GC	12858	P -59 1346
37		5.9T	17 3.094	-0.0019	09	-51 20 56.59	-0.001	08	0.37	3.165	14	11.9	56.56	14	08.5	B8P	GC	12859	C*-51 3693
38	9.7	9.5W	17 6.576	-0.0030	07	-56 20 7.04	-0.011	07	0.14	6.587	14	46.2	7.00	14	46.2	A5	CO	2557	P -56 2097
39	8.2	8.4W	17 12.208	0.0013	08	-53 23 59.92	-0.014	08	0.19	12.192	15	38.2	59.76	18	38.2	B8	C9	3390	P*-53 2293
40	9.8	9.6W	17 13.630	-0.0061	07	-52 42 49.73	-0.040	07	0.18	13.702	15	38.2	49.26	18	38.2	F8	C9	3391	P -52 2215
41	9.3E	9.2Z	17 19.692	-0.0014	12	-50 31 52.76	-0.009	12	0.72	19.760	45	02.7	52.34	45	02.7	A2	CZ	7250	P -50 2229
42	8.9	8.9W	17 20.940	-0.0019	08	-52 7 14.94	-0.032	08	0.19	20.963	15	38.2	14.56	18	38.2	A	C9	3392	P -51 2106
43	8.9	7.9W	17 26.147	-0.0012	06	-55 50 50.10	-0.002	06	0.18	26.161	15	38.2	50.08	18	38.2	K2	C9	3393	P -55 2076
44	9.6	9.6W	17 35.921	-0.0026	11	-59 10 10.68	-0.019	11	0.15	35.932	14	46.2	10.61	14	46.2	A5	CO	2558	P -58 1480
45	9.7		17 39.771	0.0033	15	-53 48 55.07	-0.043	15	0.24	39.732	15	38.2	54.56	18	38.2	B3	C9	3394	P -53 2300
46	10.0E	9.7Z	17 40.291	-0.0014	12	-50 30 40.45	-0.003	12	0.72	40.359	45	02.7	40.32	45	02.7	A0	CZ	7256	P -50 2232
47		6.9T	17 40.708	-0.0045	13	-56 9 12.82	0.041	11	0.62	40.941	21	02.8	14.91	19	98.8	A2	GC	12872	P -55 2080
48	9.7	7.7W	17 50.023	-0.0016	08	-54 53 57.97	-0.008	06	0.18	50.042	15	38.2	57.87	18	38.2	A0	C9	3395	P -54 2182
49	9.4	7.8W	17 56.168	0.0013	07	-54 10 24.18	0.007	07	0.18	56.152	15	38.2	24.27	18	38.2	K5	C9	3396	P -53 2304
50	7.5	7.1W	17 57.598	0.0042	06	-58 43 1.41	0.001	06	0.14	57.582	14	46.2	1.41	14	46.2	F8	CO	2560	P -58 1482
51		6.4T	9 18 0.778	-0.0007	12	-54 58 27.53	-0.002	09	0.56	0.810	21	01.5	27.40	18	94.2	B5	GC	12879	P*-54 2186
52	8.6	8.7W	18 4.117	-0.0038	06	-53 31 4.12	0.004	06	0.18	4.162	15	38.2	4.16	18	38.2	A3	C9	3398	P -53 2306
53	8.8	9.0W	18 12.413	0.0018	07	-54 32 17.53	-0.005	07	0.18	12.392	15	38.2	17.47	18	38.2	B9	C9	3399	P -54 2188
54	8.6E	9.1H	18 15.787	-0.0011	12	-50 20 3.78	-0.002	12	0.72	15.837	45	02.7	3.69	45	02.7	A0	CZ	7266	P -50 2243
55	9.9		18 15.795	-0.0005	15	-55 44 47.19	-0.018	15	0.24	15.801	15	38.2	46.97	18	38.2	A	C9	3400	P -55 2085
56	9.3	8.6W	18 23.819	-0.0088	06	-59 15 50.27	-0.094	06	0.14	23.852	14	46.2	49.91	14	46.2	K0	CO	2561	P -58 1485
57	8.5	8.4W	18 32.076	0.0027	06	-56 57 15.29	-0.021	06	0.14	32.066	14	46.2	15.21	14	46.2	A3	CO	2562	P -56 2105
58	8.6	8.6W	18 33.413	-0.0023	07	-59 0 20.04	-0.008	07	0.14	33.422	14	46.2	20.01	14	46.2	A2	CO	2563	P -58 1487
59		8.1T	18 34.137	-0.0053	14	-55 2 26.34	-0.004	11	0.65	34.406	21	03.1	26.13	19	99.4	K0	GC	12898	P -54 2192
60	9.5	9.7W	18 35.043	-0.0057	07	-55 39 36.53	-0.047	07	0.18	35.110	15	38.2	35.97	18	38.2	A0	C9	3402	P -55 2089
61	8.7	8.8W	18 37.064	-0.0007	06	-52 54 25.03	-0.015	06	0.18	37.072	15	38.2	24.86	18	38.2	A2	C9	3403	P -52 2242
62	8.7	7.8W	18 44.743	-0.0024	07	-58 43 17.42	-0.003	07	0.14	44.752	14	46.2	17.41	14	46.2	K0	CO	2564	P -58 1488
63	10.0		18 45.257	-0.0021	15	-55 0 59.74	0.011	15	0.24	45.282	15	38.2	59.82	18	38.2	A0	C9	3404	P -54 2194
64	9.1	8.5W	18 49.904	0.0001	07	-52 19 40.98	-0.002	07	0.18	49.903	15	38.2	40.96	18	38.2	A3	C9	3405	P -52 2244
65	9.2E	9.0Z	18 50.717	-0.0008	12	-50 34 43.92	-0.010	12	0.72	50.757	45	02.7	43.46	45	02.7	F5	CZ	7278	P -50 2254
66	9.0	8.2W	19 5.571	-0.0016	07	-56 16 17.74	0.015	07	0.14	5.577	14	46.2	17.79	14	46.2	K2	CO	2565	P -55 2099
67	8.1	7.1W	19 8.146	-0.0048	06	-53 2 32.70	-0.004	06	0.18	8.202	15	38.2	32.66	18	38.2	G5	C9	3406	P -52 2248
68	9.5	9.8W	19 9.913	0.0001	07	-55 8 43.18	-0.018	07	0.18	9.911	15	38.2	42.97	18	38.2	A	C9	3407	P -54 2198
69	9.6	9.8W	19 16.353	-0.0030	07	-58 3 19.64	-0.009	07	0.14	16.365	14	46.2	19.61	14	46.2	A0	CO	2566	P -57 1993
70	9.8		19 21.557	-0.0013	07	-53 53 33.89	0.023	07	0.18	21.572	15	38.2	34.17	18	38.2	A2	C9	3408	P -53 2323
71	8.2	8.0W	19 23.223	-0.0007	06	-55 35 55.67	-0.008	06	0.18	23.231	15	38.2	55.57	18	38.2	A0	C9	3409	P -55 2102
72	9.9	9.7W	19 23.963	-0.0025	07	-53 20 49.62	0.003	07	0.18	23.992	15	38.2	49.66	18	38.2	F0	C9	3410	P -53 2324
73	10.2		19 27.215	-0.0015	15	-53 25 13.39	0.005	15	0.24	27.232	15	38.2	13.46	18	38.2	A5	C9	3411	P -53 2325
74	8.8	8.0W	19 33.851	0.0024	07	-54 25 55.57	-0.017	07	0.18	33.822	15	38.2	55.37	18	38.2	K0	C9	3412	P -54 2201
75	10.3		19 39.513	0.0019	13	-57 14 21.34	-0.035	13	0.15	39.506	14	46.2	21.21	14	46.2	A0	CO	2567	P -56 2111
76	9.5	8.3W	19 42.097	-0.0050	07	-57 3 34.20	0.001	07	0.14	42.116	14	46.2	34.21	14	46.2	K2	CO	2568	P -56 2112
77	9.9E	8.5Z	19 50.934	-0.0042	12	-51 46 42.88	-0.007	12	0.82	51.131	63	03.1	42.55	57	03.1	K5	CZ	7295	P -51 2132
78	8.4E	8.5Z	19 51.197	0.0052	12	-51 11 42.06	-0.045	12	0.63	50.948	26	01.7	39.91	24	01.7	A2	CZ	7293	P -50 2271
79		8.3T	19 53.473	-0.0032	15	-55 11 16.21	-0.007	12	0.66	53.629	22	05.0	15.86	21	01.6	K5	GC	12925	P -54 2209
80	9.6E	9.5Z	19 56.967	-0.0008	12	-50 51 58.46	0.000	12	0.72	57.007	45	02.7	58.48	45	02.7	A0	CZ	7297	P -50 2272
81	9.1	9.5W	19 58.800	-0.0002	07	-54 28 53.55	0.001	07	0.18	58.802	15	38.2	53.57	18	38.2	B9	C9	3414	P -54 2210
82	9.6E	9.0Z	20 3.842	-0.0021	12	-51 13 7.18	-0.006	12	0.82	3.942	63	03.1	6.92	57	03.1		CZ	7299	P -50 2277
83	10.1		20 8.562	-0.0043	07	-53 21 37.32	-0.006	07	0.18	8.612	15	38.2	37.26	18	38.2	B9	C9	3415	P -53 2333
84	10.0	9.2W	20 11.355	-0.0023	07	-53 49 31.41	-0.004	07	0.18	11.382	15	38.2	31.37	18	38.2	K	C9	3416	P -53 2334
85		7.3T	20 11.916	-0.0026	12	-56 41 24.24	0.015	11	0.62	12.054	19	00.2	25.02	17	97.5	K0	GC	12931	P -56 2115
86	9.7	9.6W	20 17.552	-0.0034	07	-53 35 40.69	0.040	07	0.18	17.592	15	38.2	41.17	18	38.2	F2	C9	3417	P -53 2335
87		5.7T	20 18.582	-0.0078	08	-55 18 6.27	0.058	06	0.32	18.937	12	09.9	8.90	12	04.5	A2	GC	12933	P -54 2213
88			20 20.945	-0.0006	06	-52 21 0.92	-0.014	06	0.18	20.952	15	38.2	0.76	18	38.2	MA	C9	3419V	P*-52 2262
89	8.7	8.1W	20 27.276	0.0020	06	-54 19 52.05	0.111	06	0.18	27.252	15	38.2	53.36	18	38.2	G5	C9	3420	P -54 2218
90	9.5	9.5W	20 32.593	-0.0056	13	-58 7 6.38	0.008	13	0.15	32.614	14	46.2	6.41	14	46.2	A2	CO	2570	P -57 2002
91		2.6H	20 33.853	-0.0009	02	-54 47 47.30	0.008	02	0.11	33.889	05	11.3	47.64	05	08.6	B3	F4	353	P -54 2219
92	8.7	8.2W	20 44.725	0.0028	06	-54 15 8.58	0.100	06	0.18	44.692	15	38.2	9.77	18	38.2	G0	C9	3422	P -53 2345
93		7.5I	20 45.402	0.0010	26	-55 44 47.01	-0.025	22	1.04	45.361	22	08.2	45.93	22	07.1	G5	GC	12946V	P*-55 2118
94	7.7E	7.9H	20 45.826	0.0001	12	-50 1 14.93	0.000	12	0.67	45.823	31	99.9	14.95	26	99.9	B9	CZ	7308	P -49 2419
95		7.9T	20 52.447	0.0000	16	-53 31 19.62	-0.011	12	0.69	52.447	22	04.6	19.04	19	99.8	F5	GC	12948	P -53 2347
96	8.8	9.1W	20 54.936	-0.0021	08	-51 54 37.51	0.005	08	0.19	54.963	15	38.2	37.56	18	38.2	A0	C9	3425	P -51 2151
97	8.0	8.4W	20 57.073	0.0002	07	-58 31 12.55	-0.011	07	0.14	57.072	14	46.2	12.51	14	46.2	B8	CO	2571	P -58 1501
98	9.1	8.9W	20 57.485	-0.0031	07	-56 1 1.21	0.022	07	0.14	57.497	14	46.2	1.29	14	46.2	A2	CO	2572	P -55 2123
99	9.5	9.7W	20 58.392	-0.0031	07	-58 22 2.15	-0.011	07	0.14	58.404	14	46.2	2.11	14	46.2	A0	CO	2573	P -58 1502
00	8.6	8.8W	21 0.301	-0.0018	07	-53 13 9.99	-0.003	07	0.18	0.322	15	38.2	9.96	18	38.2	A0	C9	3427	P -52 2273

236900 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.6W	9 21 8.248	0.0054	07	-56 22 28.19	0.027	07	0.14	8.227	14	46.2	28.30	14	46.2	F8	C0	2574	P -56 2122
2	9.4	8.5W	21 12.300	-0.0010	08	-51 55 11.72	0.012	08	0.19	12.912	15	38.2	11.86	18	38.2	K2	C9	3428	P -51 2153
3	9.4		21 13.834	-0.0007	07	-52 27 52.96	0.009	07	0.18	13.643	15	38.2	55.06	18	38.2	A0	C9	3429	P -52 2277
4	9.4	9.8W	21 16.462	0.0000	07	-55 26 4.58	0.008	07	0.18	16.461	15	38.2	4.67	18	38.2	A0	C9	3430	P -55 2125
5	10.2	9.8W	21 20.550	0.0007	13	-56 14 54.68	0.031	13	0.15	20.547	14	46.2	54.80	14	46.2	F0	C0	2575	P -55 2127
6	8.4	8.7W	21 22.479	-0.0015	07	-58 20 39.76	-0.012	07	0.14	22.484	14	46.2	39.71	14	46.2	B9	C0	2576	P -58 1507
7	9.2	9.5W	21 23.103	-0.0015	07	-55 31 17.98	-0.008	07	0.18	23.120	15	38.2	18.07	18	38.2	B9	C9	3431	P -55 2126
8	10.0	9.2W	21 25.021	-0.0010	06	-54 10 35.59	-0.011	06	0.18	25.032	15	38.2	35.47	18	38.2	G5	C9	3432	P -53 2354
9	9.0E	8.8Z	21 25.483	-0.0031	12	-51 41 21.75	0.002	12	0.82	25.629	63	03.1	21.86	57	03.1	B8	CZ	7322	P -51 2160
10	8.9E	9.0H	21 27.194	-0.0008	12	-50 21 19.49	0.008	12	0.65	27.231	31	01.5	19.89	28	01.5	A0	CZ	7319	P -50 2306
11	9.2	8.4W	21 29.023	-0.0033	07	-53 24 2.97	0.016	07	0.18	29.062	15	38.2	3.16	18	38.2	K0	C9	3433	P -53 2355
12		7.6T	21 29.333	-0.0075	14	-52 40 14.14	-0.006	10	0.63	29.680	21	03.5	13.81	19	97.5	F2	GC	12963	P -52 2279
13		6.9T	21 30.119	-0.0007	13	-53 36 19.21	-0.010	11	0.65	30.152	21	02.5	18.67	19	98.1	G5	GC	12964	P -53 2356
14	8.3E	8.0Z	21 34.336	-0.0032	12	-51 35 15.62	0.005	12	0.82	34.486	63	03.1	15.86	57	03.1	B5	CZ	7330	P -51 2165
15	9.5	8.7W	21 36.762	-0.0017	06	-54 51 7.43	0.012	06	0.18	36.782	15	38.2	7.58	18	38.2	G5	C9	3436	P -54 2232
16	10.3	9.8W	21 38.532	0.0000	06	-54 54 27.89	-0.035	06	0.18	38.532	15	38.2	27.48	18	38.2	G	C9	3437	P -54 2233
17	9.7	9.7W	21 38.570	-0.0001	15	-55 46 53.04	-0.014	15	0.24	38.571	15	38.2	52.87	18	38.2		C9	3438	P*-55 2129
18	8.7	8.7W	21 39.539	-0.0003	06	-52 31 57.88	-0.002	06	0.18	39.542	15	38.2	57.86	18	38.2	B0	C9	3439	P -52 2281
19	10.1		21 40.599	-0.0024	15	-55 54 57.54	0.003	15	0.24	40.571	15	38.2	57.57	18	38.2	B8	C9	3440	P -55 2130
20	7.6	7.9W	21 42.182	-0.0027	07	-59 20 29.19	0.006	07	0.14	42.192	14	46.2	29.21	14	46.2	A0	C0	2577	P -59 1372
21	9.5	9.8W	21 44.691	0.0016	15	-54 48 53.99	0.075	15	0.24	44.672	15	38.2	54.87	18	38.2	B8	C9	3441	P -54 2235
22	10.2		21 46.847	0.0005	20	-55 51 18.69	0.007	20	0.29	46.841	15	38.2	18.77	18	38.2	A5	C9	3442	P -55 2133
23	9.3	9.4W	21 55.044	-0.0014	07	-55 38 10.64	0.020	07	0.18	55.061	15	38.2	10.88	18	38.2	A2	C9	3443	P -55 2136
24	10.0		22 0.096	-0.0047	07	-54 40 34.89	-0.044	07	0.18	0.152	15	38.2	34.37	18	38.2	A2	C9	3444	P -54 2238
25	10.5		22 1.504	-0.0083	15	-54 40 44.58	-0.026	15	0.24	1.602	15	38.2	44.27	18	38.2	A0	C9	3445	P -54 2239
26	8.6	8.3W	22 7.326	0.0011	06	-53 3 20.09	-0.028	06	0.18	7.312	15	38.2	19.76	18	38.2	F5	C9	3447	P -52 2296
27	10.0E	9.5Z	22 11.286	-0.0001	12	-51 6 39.86	-0.023	12	0.65	11.293	31	01.5	38.76	28	01.5		CZ	7339	P -50 2311
28	9.0	9.0W	22 13.035	0.0023	06	-57 0 52.23	-0.111	06	0.14	13.026	14	46.2	51.81	14	46.2	A5	C0	2579	P -56 2132
29	9.0	9.3W	22 14.439	-0.0011	07	-53 11 22.14	0.001	07	0.18	14.452	15	38.2	22.16	18	38.2	A0	C9	3448	P -52 2298
30		6.1T	22 19.042	0.0011	09	-51 31 16.94	-0.003	08	0.48	18.991	18	02.0	16.76	18	92.7	F0P	GC	12984	C -51 3767
31	8.7	9.1W	22 21.375	0.0002	07	-54 37 27.03	-0.005	07	0.18	21.372	15	38.2	26.97	18	38.2	B9	C9	3449	P -54 2245
32	10.0		22 25.161	-0.0018	15	-54 6 43.80	-0.020	15	0.24	25.182	15	38.2	43.56	18	38.2	B9	C9	3450	P -53 2371
33	8.5	8.8W	22 29.170	-0.0009	07	-55 33 10.77	0.000	07	0.18	29.181	15	38.2	10.77	18	38.2	B9	C9	3451	P -55 2144
34	9.3E	9.0Z	22 37.085	0.0007	12	-51 26 57.46	-0.011	12	0.82	37.055	63	03.1	56.96	57	03.1	A0	CZ	7346	P -51 2183
35	9.5	9.8W	22 46.637	-0.0020	07	-58 11 13.88	0.007	07	0.14	46.645	14	46.2	13.91	14	46.2	A0	C0	2580	P -57 2023
36	9.7		22 49.623	-0.0009	07	-56 48 43.32	0.024	07	0.14	49.626	14	46.2	43.41	14	46.2	A3	C0	2581	P -56 2138
37	9.2	9.4W	23 0.218	-0.0028	07	-55 35 42.94	-0.006	07	0.18	0.250	15	38.2	42.87	18	38.2	A2	C9	3452	P -55 2148
38	9.9E	9.0Z	23 2.910	-0.0017	12	-51 39 7.45	-0.002	12	0.82	2.990	63	03.1	7.37	57	03.1	A5	CZ	7353	P -51 2192
39	8.9	9.0W	23 5.417	-0.0030	07	-52 47 44.93	0.002	07	0.18	5.452	15	38.2	44.96	18	38.2	A2	C9	3453	P -52 2320
40	8.7E	8.5Z	23 12.902	0.0008	12	-50 4 11.01	-0.025	12	0.74	12.860	45	00.2	9.78	45	00.2	K0	CZ	7358	P -49 2451
41	7.8	8.1W	23 14.660	-0.0012	07	-58 28 21.87	-0.015	07	0.14	14.664	14	46.2	21.81	14	46.2	B3	C0	2582	P -58 1513
42	9.6E	8.2Z	23 15.464	-0.0022	12	-51 36 40.96	-0.024	12	0.82	15.567	63	03.1	39.85	57	03.1	G5	CZ	7359	P -51 2197
43	9.3	9.5W	23 18.995	-0.0015	07	-53 11 40.05	-0.008	07	0.18	19.012	15	38.2	39.96	18	38.2	B8	C9	3454	P -52 2330
44	9.7	9.8W	23 19.320	-0.0061	07	-54 53 23.68	0.025	07	0.18	19.392	15	38.2	23.98	18	38.2	F2	C9	3455	P -54 2262
45	9.9E	9.0Z	23 23.778	0.0023	12	-51 37 28.24	-0.024	12	0.82	23.670	63	03.1	27.12	57	03.1	G5	CZ	7363	P -51 2199
46	9.0	9.3W	23 29.564	-0.0021	07	-58 58 45.65	-0.011	07	0.14	29.572	14	46.2	45.61	14	46.2	B9	C0	2583	P -58 1514
47	9.4E	9.0Z	23 32.856	-0.0056	12	-51 45 28.25	0.037	12	0.82	33.119	63	03.1	29.90	57	03.1	F8	CZ	7367	P -51 2202
48	8.6	9.0W	23 32.951	-0.0010	09	-52 12 31.76	-0.008	09	0.20	32.913	15	38.2	31.66	18	38.2	A2	C9	3456	P -51 2203
49	9.5		23 39.612	-0.0017	14	-52 10 45.83	0.002	14	0.23	39.632	15	38.2	45.86	18	38.2	A2	C9	3457	P -51 2206
50	10.1E	8.5Z	23 40.323	-0.0016	12	-51 27 20.32	-0.003	12	0.82	40.400	63	03.1	20.19	57	03.1	MA	CZ	7370	P -51 2205
51	9.9		9 23 40.580	0.0007	13	-56 25 56.37	0.008	13	0.15	40.577	14	46.2	56.40	14	46.2	A0	C0	2584	P -56 2147
52		6.9T	23 44.073	0.0023	11	-54 14 49.07	-0.018	09	0.56	43.955	19	98.7	48.02	18	92.9	K2	GC	13007	P -53 2388
53	9.7E	9.0Z	23 45.069	-0.0022	12	-51 25 3.40	-0.013	12	0.82	45.174	63	03.1	2.81	57	03.1	B9	CZ	7372	P -51 2207
54	8.5	8.6W	23 53.127	-0.0021	07	-54 43 36.36	0.001	07	0.18	53.152	15	38.2	36.37	18	38.2	B8	C9	3459	P -54 2275
55	8.0	8.1W	23 58.629	-0.0018	06	-57 8 43.50	0.001	06	0.14	58.636	14	46.2	43.51	14	46.2	B8	C0	2585	P -56 2154
56		6.9T	23 58.670	-0.0021	13	-53 2 3.06	-0.110	12	0.66	58.772	19	00.4	-57.21	18	97.0	F8	GC	13014K	P -52 2346
57	9.2	9.3W	23 59.828	0.0005	15	-53 57 47.62	0.004	15	0.24	59.822	15	38.2	47.67	18	38.2	A0	C9	3461	P -53 2391
58	8.5	7.5W	24 1.032	-0.0017	07	-54 47 22.98	0.008	07	0.18	1.052	15	38.2	23.07	18	38.2	K0	C9	3462	P -54 2277
59	9.3	9.6W	24 10.325	-0.0015	07	-59 40 14.77	0.009	07	0.14	10.331	14	46.2	14.81	14	46.2	B9	C0	2586	P -59 1384
60	8.7	9.0W	24 11.886	-0.0005	07	-55 4 14.59	0.015	07	0.18	11.891	15	38.2	14.77	18	38.2	B8	C9	3463	P -54 2280
61	8.8	8.5W	24 12.274	-0.0016	07	-53 25 22.87	0.007	07	0.18	12.292	15	38.2	22.96	18	38.2	F0	C9	3464	P -53 2396
62	9.5	9.6W	24 16.767	-0.0072	07	-53 49 54.19	0.065	07	0.18	16.852	15	38.2	54.97	18	38.2	A5	C9	3465	P*-53 2397
63	9.4	9.8W	24 19.067	-0.0020	07	-55 37 4.75	0.002	07	0.18	19.091	15	38.2	4.78	18	38.2	A0	C9	3466	P -55 2161
64		7.0T	24 20.796	-0.0032	14	-53 37 20.84	-0.011	10	0.63	20.943	21	04.0	20.25	19	98.6	F5	GC	13026	P -53 2401
65		7.6T	24 27.360	-0.0014	13	-55 52 20.63	0.018	12	0.65	27.434	21	03.1	21.54	19	99.1	B8	GC	13028	P -55 2163
66	9.3	9.7W	24 29.887	-0.0055	07	-53 23 22.72	0.003	07	0.18	29.952	15	38.2	22.76	18	38.2	B9	C9	3469	P -53 2404
67	8.4E	8.5Z	24 31.226	-0.0007	12	-51 44 45.10	-0.016	12	0.82	31.259	63	03.1	44.35	57	03.1	A2	CZ	7382	P -51 2223
68	9.5	8.2W	24 31.346	0.0000	06	-57 2 26.16	-0.016	06	0.14	31.346	14	46.2	26.11	14	46.2	K5	C0	2588	P -56 2160
69	9.6	9.8W	24 35.043	-0.0042	07	-52 38 51.66	-0.026	07	0.18	35.092	15	38.2	51.36	18	38.2	A2	C9	3470	P*-52 2354
70	8.4	8.5W	24 35.565	0.0002	06	-54 9 10.15	-0.007	06	0.18	35.562	15	38.2	10.07	18	38.2	A2	C9	3471	P*-53 2406
71	10.0	9.8W	24 39.032	-0.0008	15	-55 16 36.36	0.052	15	0.24	39.041	15	38.2	36.97	18	38.2	F5	C9	3472	P -54 2287
72		5.2T	24 40.297	-0.0011	10	-53 9 41.95	-0.001	06	0.35	40.336	14	13.4	41.89	12	06.9	B5	GC	13035	P*-52 2360
73	8.6	7.3W	24 41.742	0.0004	07	-59 31 35.69	0.005	07	0.14	41.741	14	46.2	35.71	14	46.2	K0	C0	2589	P -59 1389
74		8.7T	24 45.382	-0.0012	08	-50 57 25.36	0.004	06	0.35	45.434	15	05.8	25.58	14	99.7	B8	GC	13037	C -50 4147
75	9.1	9.2W	24 46.787	-0.0023	06	-57 29 40.22	-0.002	06	0.14	46.796	14	46.2	40.21	14	46.2	A0	C0	2590	P -57 2045
76	9.7E	9.7Z	24 47.467	-0.0024	12	-51 35 10.12	0.001	12	0.82	47.580	63	03.1	10.18	57	03.1	A0	CZ	7391	P -51 2232
77	10.0E	8.5Z	24 48.280	-0.0019	12	-51 16 25.02	-0.007	12	0.82	48.370	63	03.1	24.70	57	03.1	F0	CZ	7392	P -50 2355
78	8.4E	9.0Z	24 52.146	-0.0023	12	-50 5 1.64	0.002	12	0.67	52.260	31	99.9	1.75	28	99.9	A0	CZ	7393	P -49 2471
79		7.2T	24 53.189	-0.0014	12	-54 39 24.28	0.012	10	0.56	53.249	19	05.4	24.86	18	00.4	B3	GC	13040	P -54 2290
80	9.2	9.5W	24 53.352	0.0012	07	-56 15 25.87	0.006	07	0.14	53.347	14	46.2	25.89	14	46.2	B8	C0	2591	P -55 2167
81	9.6	9.7W	25 0.718	0.0007	17	-56 47 32.25	-0.037	17	0.16	0.716	14	46.2	32.11	14	46.2	B5	C0	2592	P -56 2169
82	9.3	9.2W	25 4.709	-0.0010	08	-55 50 10.38	-0.009	08	0.19	4.720	15	38.2	10.28	18	38.2	F0	C9	3475	P -55 2171
83	9.2	7.5W	25 6.355	-0.0015	07	-53 17 49.96	0.008	07	0.18	6.372	15	38.2	50.06	18	38.2	M0	C9	3476	P -52 2368
84	8.4E	7.5Z	25 8.390	-0.0021	12	-51 33 7.11	-0.004	12	0.66	8.493	31	01.2	6.94	31	01.2	B9	CZ	7395	P -51 2242
85	9.2	7.9W	25 9.733	-0.0007	07	-55 44 29.60	-0.011	07	0.18	9.741	15	38.2	29.47	18	38.2	K0	C9	3477	P -55 2175
86	9.4	8.1W	25 10.850	-0.0009	08	-55 43 4.00	0.006	08	0.19	10.861	15	38.2	4.07	18	38.2	G	C9	3478	P -55 2176
87		6.9T	25 17.350	-0.0017	15	-54 8 2.13	-0.005	10	0.65	17.427	18	03.9	1.85	19	98.1	G5	GC	13047	P -53 2423
88	9.4	8.6W	25 20.680	0.0007	08	-52 18 5.22	0.003	08	0.19	20.673	15	38.2	5.26	18	38.2	K0	C9	3480	P -51 2247
89	8.5	8.8W	25 21.699	-0.0003	07	-52 14 52.32	0.003	07	0.18	21.703	15	38.2	52.36	18	38.2	B9	C9	3481	P -51 2249
90		6.6T	25 23.865	-0.0027	13	-59 21 39.39	0.008	10	0.58	24.004	21	04.2	39.81	18	98.0	B9	GC	13050	P -59 1394
91	8.8E	8.5Z	25 27.304	-0.0015	12	-51 34 4.97	-0.002	12	0.71	27.373	45	03.7	4.89	45	03.7	A2	CZ	7402	P -51 2250
92	9.4E	9.6H	25 27.669	-0.0012	12	-50 23 49.40	-0.007	12	0.72	27.724	45	02.7	49.08	45	02.7	A2	CZ	7400	P -50 2369
93	8.3	8.6W	25 31.633	-0.0016	07	-55 9 3.66	0.001	07	0.18	31.652	15	38.2	3.67	18	38.2	A2	C9	3482	P -54 2352
94	9.0	9.2W	25 36.267	-0.0013	07	-58 47 13.10	0.002	07	0.14	36.272	14	46.2	13.11	14	46.2	A0	C0	2594	P -58 1523
95	9.7	9.3W	25 38.250	-0.0041	07	-56 43 23.82	0.024	07	0.14	38.266	14	46.2	23.91	14	46.2	F5	C0	2595	P*-56 2184
96	9.4	8.2W	25 39.186	-0.0022	07	-54 5 33.96	0.000	07	0.18	39.212	15	38.2	33.97	18	38.2	K0	C9	3483	P -53 2429
97	9.2	9.6W	25 43.540	-0.0015	07	-56 40 12.09	0.005	07	0.14	43.546	14	46.2	12.11	14	46.2	B8	C0	2596	P -56 2186
98	8.2	8.5W	25 44.312	-0.0034	07	-53 45 2.09	0.006	07	0.18	44.352	15	38.2	2.17	18	38.2	B8	C9	3484	P -53 2433
99	8.9	9.3W	25 49.411	-0.0009	07	-55 2 1.87	0.000	07	0.18	49.422	15	38.2	1.87	18	38.2	A0	C9	3485	P -54 2354
00	9.7	8.2W	25 50.682	-0.0017	07	-53 12 43.87	-0.010	07	0.18	50.702	15	38.2	43.76	18	38.2	K5	C9	3486	P -52 2379

237000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/001	σ_{1950} ″	α_2 s	σ ″/01	ep.	δ_2 ″	σ' ″/01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8E	9.5Z	9 26 1.199	-0.0009	12	-50 30 36.18	-0.014	12	0.65	1.244	31	01.9	35.51	28	01.9	A0	CZ	7412	P -50 2380
2	7.6	7.2W	26 5.044	-0.0186	06	-57 52 33.22	-0.004	06	0.14	5.114	14	46.2	33.21	14	46.2	G0	C0	2598	P -57 2059
3		8.3W	26 7.208	-0.0010	07	-58 42 55.07	0.009	07	0.14	7.212	14	46.2	55.11	14	46.2	B8	C0	2599	P -58 1530
4		8.9T	26 7.714	-0.0024	17	-56 47 14.68	0.005	12	0.65	7.829	19	09.9	14.91	21	02.7	B9	GC	13071	P -56 2202
5		7.0T	26 19.474	-0.0032	14	-53 17 53.98	-0.020	10	0.63	19.621	21	03.5	52.91	19	97.5	F0	GC	13074	P -52 2387
6	9.7		26 21.549	0.0031	15	-54 53 21.41	-0.012	15	0.24	21.512	15	38.2	21.27	18	38.2	B9	C9	3488	P -54 2319
7	7.4	7.9W	26 23.143	-0.0025	07	-55 6 57.97	-0.000	07	0.18	23.172	15	38.2	57.97	18	38.2	B5	C9	3489	P -54 2321
8	8.8	9.0W	26 25.167	-0.0013	07	-54 21 2.42	-0.022	07	0.18	25.182	15	38.2	2.16	18	38.2	B8	C9	3490	P -54 2320
9		7.5T	26 25.701	-0.0015	26	-57 6 38.44	-0.030	18	0.97	25.768	22	08.1	37.13	22	06.3	M0	GC	13077K	P -56 2212
10	9.9	9.8W	26 29.398	0.0006	07	-56 47 1.46	-0.013	07	0.14	29.396	14	46.2	1.41	14	46.2	A2	C0	2602	P -56 2213
11	8.7	9.0W	26 31.623	-0.0031	07	-58 20 58.00	0.001	07	0.14	31.634	14	46.2	58.01	14	46.2	A	C0	2603	P -58 1532
12	8.4	8.7W	26 33.859	-0.0013	07	-58 17 26.44	0.018	07	0.14	33.865	14	46.2	26.51	14	46.2	B9	C0	2604	P -57 2065
13	8.5	8.2W	26 36.294	0.0069	07	-53 42 4.80	-0.020	07	0.18	36.212	15	38.2	4.56	18	38.2	F8	C9	3491	P -53 2457
14	9.5	9.7W	26 47.848	-0.0020	07	-56 34 48.49	0.006	07	0.14	47.856	14	46.2	48.51	14	46.2	B3	C0	2605	P -56 2223
15	9.7	8.8W	26 53.967	-0.0013	06	-53 11 18.08	-0.002	06	0.18	53.982	15	38.2	18.06	18	38.2	K0	C9	3492	P -52 2393
16	9.4	9.7W	26 56.126	-0.0022	07	-57 39 25.99	0.006	07	0.14	56.135	14	46.2	26.01	14	46.2	A0	C0	2606	P -57 2067
17	7.9	8.3W	27 2.806	-0.0022	07	-58 6 56.74	-0.007	07	0.14	2.815	14	46.2	56.71	14	46.2	B8	C0	2607	P -57 2071
18	8.5	7.4W	27 3.614	-0.0047	13	-58 55 50.42	-0.004	13	0.15	3.632	14	46.2	50.41	14	46.2	K0	C0	2608	P -58 1536
19	9.6	9.3W	27 7.426	-0.0095	06	-59 16 7.15	0.043	06	0.14	7.462	14	46.2	7.31	14	46.2	F5	C0	2609	P -58 1538
20	8.2	8.4W	27 13.865	-0.0001	07	-59 47 24.63	-0.005	07	0.14	13.861	14	46.3	24.61	14	46.3	A0	C0	2506	P -59 1402
21	9.1	9.5W	27 19.822	-0.0026	07	-54 16 32.47	-0.017	07	0.18	19.852	15	38.2	32.27	18	38.2	B9	C9	3493	P -53 2471
22		8.7T	27 24.502	-0.0021	20	-52 50 13.32	-0.010	15	0.82	24.592	22	05.9	12.83	21	02.9	A3	GC	13096	P -52 2396
23	9.4	9.8W	27 24.914	-0.0032	07	-54 12 50.26	0.017	07	0.18	24.952	15	38.2	50.46	18	38.2	B3	C9	3495	P -53 2474
24	9.3	9.7W	27 24.987	-0.0019	08	-58 20 57.99	0.005	08	0.14	24.994	14	46.2	58.01	14	46.2	A0	C0	2611	P -58 1545
25	9.5	9.7W	27 26.018	-0.0037	07	-54 33 41.16	0.018	07	0.18	26.062	15	38.2	41.37	18	38.2	B8	C9	3496	P -54 2340
26	9.2	9.3W	27 26.809	-0.0003	07	-53 27 49.51	0.021	07	0.18	26.812	15	38.2	49.76	18	38.2	B9	C9	3497	P -53 2473
27	10.2	10.0W	27 29.123	-0.0004	10	-58 22 11.48	-0.020	10	0.15	29.124	14	46.2	11.41	14	46.2	A7	C0	2612	P -58 1541
28	9.8	9.4W	27 32.242	0.0001	06	-59 16 51.12	-0.003	06	0.14	32.242	14	46.2	51.11	14	46.2	F8	C0	2613	P -58 1543
29		7.4T	27 35.639	-0.0025	13	-52 12 18.10	-0.006	11	0.67	35.767	22	99.5	17.77	19	95.8	B8	GC	13108	C -51 3865
30	9.2E	9.0Z	27 40.661	-0.0027	12	-50 12 16.39	-0.008	12	0.73	40.791	45	01.3	16.01	45	01.3	A2	CZ	7442	P -49 2497
31		8.1T	27 41.621	-0.0011	17	-54 34 33.88	0.006	13	0.73	41.668	22	05.3	34.16	19	00.7	B8	GC	13111	P -54 2343
32	10.1E	9.2M	27 46.224	-0.0010	12	-50 25 28.38	-0.007	12	0.71	46.269	45	03.2	28.06	45	03.2	K5	CZ	7446	P -50 2409
33	9.2E	9.0Z	27 51.265	-0.0017	12	-50 6 8.86	-0.006	12	0.66	51.347	31	00.6	8.58	28	00.6	A2	CZ	7448	P -49 2501
34		7.3T	27 53.416	-0.0006	13	-50 23 1.93	0.012	11	0.66	53.447	22	00.0	2.60	19	94.7	F0	GC	13116	C -50 4197
35	9.0	9.3W	27 56.752	-0.0009	07	-53 13 26.33	0.002	07	0.18	56.762	15	38.2	26.36	18	38.2	B9	C9	3500	P -52 2406
36		7.7T	27 56.879	-0.0027	16	-56 19 2.97	0.019	11	0.69	57.018	21	04.2	3.96	19	97.8	A2	GC	13120	P -55 2218
37	9.8	8.8W	28 0.978	-0.0037	07	-59 0 35.48	0.035	07	0.14	0.992	14	46.2	35.61	14	46.2	K2	C0	2615	P -58 1545
38		7.8T	28 1.798	-0.0027	16	-54 30 9.09	0.010	12	0.71	1.919	21	04.4	9.57	19	99.9	A0	GC	13123	P -54 2349
39		6.8T	28 9.266	-0.0043	12	-58 4 44.47	0.039	10	0.56	9.475	19	04.9	46.36	18	02.0	K0	GC	13124	P -57 2081
40	9.4	8.4W	28 11.668	-0.0012	06	-54 12 42.56	-0.017	06	0.18	11.682	15	38.2	42.37	18	38.2	K2	C9	3502	P -53 2489
41	9.4	9.6W	28 21.027	0.0014	07	-55 48 31.40	-0.002	07	0.18	21.011	15	38.2	31.37	18	38.2	A0	C9	3503	P -55 2222
42		5.6T	28 22.701	-0.0008	08	-51 17 48.95	0.008	06	0.31	22.732	14	11.5	49.32	14	04.9	B8	GC	13129	C*-50 4204
43	9.3	9.4W	28 25.209	-0.0003	07	-52 34 54.49	-0.028	07	0.18	25.212	15	38.2	54.16	18	38.2	A5	C9	3504	P -52 2415
44	9.1E	9.7M	28 27.191	-0.0026	12	-50 26 4.08	-0.004	12	0.71	27.311	45	03.2	3.91	45	03.2	A0	CZ	7459	P -50 2417
45	9.4	9.7W	28 27.721	-0.0002	13	-58 38 59.04	-0.008	13	0.15	27.722	14	46.2	59.01	14	46.2	A0	C0	2617	P -58 1546
46	8.5	8.9W	28 28.993	-0.0007	07	-57 19 50.97	0.010	07	0.14	28.996	14	46.2	51.01	14	46.2	B9	C0	2618	P -57 2065
47	9.2	9.3W	28 29.667	-0.0030	07	-52 30 18.74	-0.016	07	0.18	29.702	15	38.2	18.56	18	38.2	F0	C9	3505	P -52 2418
48	8.0	8.1W	28 31.926	0.0026	06	-57 17 17.32	-0.028	06	0.14	31.915	14	46.2	17.21	14	46.2	A2	C0	2619	P -56 2251
49	9.9		28 34.992	-0.0009	07	-52 1 59.40	0.031	07	0.18	35.003	15	38.2	59.76	18	38.2	B8	C9	3506	P -51 2290
50	8.3	8.6W	28 36.762	-0.0009	06	-54 43 4.96	0.001	06	0.18	36.772	15	38.2	4.97	18	38.2	B8	C9	3507	P -54 2363
51	7.9	8.2W	9 28 37.632	0.0008	07	-52 5 6.62	0.012	07	0.18	37.623	15	38.2	6.76	18	38.2	B8	C9	3508	P -51 2293
52	9.5	9.8W	28 50.160	-0.0037	07	-58 20 13.50	-0.024	07	0.14	50.174	14	46.2	13.41	14	46.2	A0	C0	2621	P -58 1551
53	9.7	9.9W	28 50.172	-0.0007	07	-58 11 17.74	-0.007	07	0.14	50.175	14	46.2	17.71	14	46.2	A0	C0	2620	P -57 2088
54	8.9	7.2W	28 52.390	-0.0010	07	-55 0 40.22	0.004	07	0.18	52.402	15	38.2	40.27	18	38.2	MA	C9	3509	P -54 2368
55	9.0	9.1W	28 53.155	-0.0003	06	-56 30 28.94	-0.008	06	0.14	53.156	14	46.2	28.91	14	46.2	A2	C0	2622	P -56 2255
56		5.8T	28 55.782	-0.0039	09	-58 8 29.20	0.026	07	0.33	55.940	12	13.1	30.25	12	10.0	M0	GC	13145	P -57 2090
57	9.6	9.8W	28 56.090	0.0066	15	-52 43 12.33	-0.023	15	0.24	56.012	15	38.2	12.06	18	38.2	B9	C9	3510	P -52 2433
58	9.4	9.6W	29 1.570	-0.0002	07	-54 22 32.78	0.041	07	0.18	1.572	15	38.2	33.26	18	38.2	B8	C9	3511	P -54 2371
59	8.8	8.3W	29 3.407	0.0029	07	-53 18 5.71	0.055	07	0.18	3.372	15	38.2	6.36	18	38.2	G0	C9	3513	P -52 2445
60	9.5	9.4W	29 4.771	0.0008	07	-55 16 25.50	0.023	07	0.18	4.761	15	38.2	25.78	18	38.2	F2	C9	3514	P -54 2373
61	10.0	9.4W	29 10.379	0.0008	07	-56 59 47.27	-0.016	07	0.14	10.376	14	46.2	47.21	14	46.2	B0	C0	2625	P -56 2261
62	9.4	9.0W	29 12.838	-0.0016	11	-57 54 32.10	0.003	11	0.15	12.845	14	46.2	32.11	14	46.2	G0	C0	2626	P -57 2094
63	9.3	9.1W	29 13.357	0.0003	13	-57 7 57.01	0.052	13	0.15	13.356	14	46.2	57.21	14	46.2	F5	C0	2627	P -56 2262
64	9.0	8.5W	29 22.944	-0.0176	07	-55 24 57.61	0.081	07	0.18	23.151	15	38.2	58.57	18	38.2	G5	C9	3515	P*-55 2244
65	8.8E	9.0Z	29 35.706	-0.0023	12	-51 7 16.84	-0.006	12	0.71	35.815	45	03.2	16.58	45	03.2	A0	CZ	7479	P -50 2436
66	9.0	8.2W	29 38.265	0.0011	07	-55 20 44.85	0.027	07	0.18	38.251	15	38.2	45.17	18	38.2	G5	C9	3516	P -55 2249
67		3.0H	29 42.071	-0.0042	02	-56 48 47.60	-0.001	02	0.10	42.210	05	16.9	47.58	05	16.4	K5	F4	361	P -56 2270
68	7.9	8.0W	29 43.687	-0.0021	06	-53 34 31.49	0.015	06	0.18	43.712	15	38.2	31.67	18	38.2	B9	C9	3517	P -53 2513
69	9.0	8.6W	29 46.867	-0.0079	07	-56 12 24.99	0.002	07	0.14	46.897	14	46.2	25.00	14	46.2	F8	C0	2629	P -55 2256
70		8.1T	29 51.726	-0.0022	13	-51 1 51.13	-0.020	12	0.71	51.835	19	00.1	50.01	18	93.3	A5	GC	13165	C -50 4230
71	9.8	9.9W	30 0.948	-0.0062	11	-58 12 14.11	0.013	11	0.15	0.972	14	46.2	14.16	14	46.2	A0	C0	2630	P -57 2102
72	9.8		30 1.877	0.0011	17	-56 45 36.67	-0.003	17	0.16	1.873	14	46.2	36.66	14	46.2	A0	C0	2631	P -56 2276
73	9.6		30 20.193	-0.0006	13	-55 48 12.07	-0.028	13	0.23	20.201	15	38.2	11.73	18	38.2	B9	C9	3519	P*-55 2269
74		7.2T	30 21.816	-0.0050	11	-56 46 2.16	0.003	09	0.54	22.083	21	00.4	2.33	18	96.7	B8	GC	13181	P -56 2282
75	7.3	7.9W	30 24.979	-0.0017	06	-53 19 12.82	0.000	06	0.18	24.999	15	38.2	12.82	18	38.2	B8	C9	3520	P -52 2475
76	9.6E	9.3*	30 33.594	-0.0019	12	-50 16 53.87	-0.005	12	0.65	33.684	31	01.9	53.64	28	01.9	A0	CZ	7498	P -49 2542
77	9.3	8.9W	30 34.471	-0.0058	07	-57 27 44.08	-0.084	07	0.14	34.493	14	46.2	43.76	14	46.2	G0	C0	2633	P -57 2106
78	8.4	8.2W	30 39.139	0.0016	07	-55 46 59.88	0.005	07	0.18	39.121	15	38.2	59.93	18	38.2	F5	C9	3521	P -55 2277
79	9.8E	9.6Z	30 39.935	0.0001	12	-50 44 23.05	-0.014	12	0.71	39.931	45	03.2	22.41	45	03.2	A0	CZ	7500	P -50 2455
80	9.3	8.1W	30 50.009	-0.0025	07	-54 2 0.65	-0.019	07	0.18	50.039	15	38.2	0.43	18	38.2	K5	C9	3522	P -53 2537
81	9.5	8.4W	30 53.158	-0.0091	06	-56 54 38.34	0.032	06	0.14	53.193	14	46.2	38.46	14	46.2	K0	C0	2634	P -56 2293
82	9.9		30 55.120	0.0043	07	-52 28 42.10	-0.015	07	0.18	55.069	15	38.2	41.92	18	38.2	B5	C9	3523	P*-52 2486
83	8.0	8.4W	30 58.674	-0.0022	06	-57 43 25.71	-0.012	06	0.14	58.682	14	46.2	25.66	14	46.2	B9	C0	2635	P -57 2110
84	8.1	8.6W	30 59.269	-0.0017	06	-53 8 47.03	0.007	06	0.18	59.289	15	38.2	47.12	18	38.2	B8	C9	3524	P -52 2489
85	7.2	7.4W	31 2.600	-0.0034	06	-57 17 58.97	0.024	06	0.14	2.613	14	46.2	59.06	14	46.2	A0	C0	2636	P -56 2296
86		7.3T	31 4.544	0.0006	13	-54 36 31.94	0.000	10	0.61	4.517	21	02.7	31.96	17	99.5	A2	GC	13195	P -54 2417
87	9.6E	9.5Z	31 6.815	-0.0020	12	-51 39 37.66	-0.003	12	0.81	6.906	63	04.2	37.54	57	04.2	A0	CZ	7508	P -51 2338
88	9.6	7.9W	31 7.154	-0.0021	07	-53 49 21.54	0.024	07	0.18	7.128	15	38.2	21.83	18	38.2	MA	C9	3526	P -53 2544
89	7.6	8.1W	31 14.529	-0.0025	06	-54 22 26.20	0.011	06	0.18	14.559	15	38.2	26.33	18	38.2	A0	C9	3527	P -54 2423
90		7.3T	31 15.045	-0.0036	10	-56 52 18.98	0.008	09	0.53	15.246	19	98.6	19.44	18	94.3	B5	GC	13206K	P -56 2300
91	9.3	9.1W	31 32.150	-0.0041	07	-52 6 2.22	0.009	07	0.18	32.199	15	38.2	2.32	18	38.2	F2	C9	3528	P -51 2344
92	9.3	9.5W	31 34.499	0.0014	07	-56 50 3.75	-0.023	07	0.14	34.493	14	46.2	3.66	14	46.2	B5	C0	2638	P -56 2303
93	7.8	8.1W	31 35.621	-0.0015	06	-52 36 26.43	0.058	06	0.18	35.639	15	38.2	27.12	18	38.2	A0	C9	3529	P -52 2508
94	9.4	9.7W	31 37.065	-0.0014	07	-55 2 24.26	-0.002	07	0.18	37.082	15	38.2	24.23	18	38.2	A0	C9	3530	P -54 2431
95	8.8	8.9W	31 37.165	0.0010	06	-53 13 54.42	0.017	06	0.18	37.149	15	38.2	54.62	18	38.2	B8	C9	3531	P*-52 2512
96	8.8	7.2W	31 44.563	0.0003	06	-57 39 36.24	0.005	06	0.14	44.562	14	46.2	36.26	14	46.2	MA	C0	2639	P -57 2120
97		7.0T	31 47.590	-0.0001	11	-57 44 25.23	0.012	10	0.53	47.595	18	04.2	25.79	17	01.7	B9	GC	13215K	P*-57 2122
98	9.9E	9.0Z	31 52.115	-0.0072	12	-51 52 6.58	0.044	12	0.81	52.446	63	04.2	8.61	57	04.2	G0	CZ	7526	P -51 2351
99	9.6	9.8W	31 54.816	-0.0019	13	-57 14 48.74	-0.020	13	0.15	54.823	14	46.2	48.66	14	46.2	A0	C0	2641	P -56 2313
00	8.7	9.2W	31 56.326	-0.0002	07	-53 7 16.31	0.034	07	0.18	56.329	15	38.2	16.72	18	38.2	B8	C9	3532	P -52 2520

237100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 9H DM NUMBER
1	7.7	8.0W	9 32 1.793	-0.0025	07	-58 9 47.86	-0.001	07	0.14	1.802	14	46.2	47.86	14	46.2	B9	C0	2642	P -57 2126
2	9.3	7.6W	32 7.987	-0.0010	07	-53 49 0.31	0.010	07	0.18	7.999	15	38.2	0.43	18	38.2	MA	C9	3533	P -53 2566
3	9.0	9.2W	32 8.209	-0.0011	06	-57 28 45.94	0.004	06	0.14	8.213	14	46.2	45.96	14	46.2	A0	C0	2643	P -57 2128
4	9.1	9.2W	32 10.441	-0.0006	07	-56 56 24.97	-0.004	07	0.14	10.443	14	46.2	24.96	14	46.2	B5	C0	2644	P -56 2319
5	8.4	8.7W	32 15.483	-0.0013	07	-53 24 42.43	0.007	07	0.18	15.499	15	38.2	42.52	18	38.2	B0	C9	3534	P -53 2571
6	9.6		32 23.766	-0.0018	17	-56 38 2.57	-0.003	17	0.16	23.773	14	46.2	2.56	14	46.2	B8	C0	2645	P -56 2323
7		5.2T	32 24.600	-0.0016	08	-51 1 56.19	-0.017	05	0.29	24.659	10	11.7	55.47	10	07.0	B3	GC	13234	C*-50 4270
8	9.5E	9.7Z	32 28.650	-0.0008	12	-50 1 16.46	-0.000	12	0.73	28.690	45	01.6	16.44	45	01.6	A0	CZ	7538	P -49 2580
9	8.8E	8.7H	32 32.204	-0.0005	12	-50 22 43.57	-0.014	12	0.71	32.227	45	03.6	42.91	45	03.6	A0	CZ	7539	P -50 2481
10	9.4	9.6W	32 39.841	-0.0003	07	-57 37 47.52	-0.014	07	0.14	39.842	14	46.2	47.46	14	46.2	A0	C0	2646	P -57 2136
11	9.2	9.4W	32 46.810	-0.0030	07	-58 12 9.29	-0.008	07	0.14	46.822	14	46.2	9.26	14	46.2	B8	C0	2647	P -57 2139
12	8.7	8.7W	32 51.020	-0.0035	07	-56 37 7.12	-0.014	07	0.14	51.033	14	46.2	7.06	14	46.2	A2	C0	2648	P -56 2330
13	9.1	8.2W	32 51.890	-0.0027	07	-55 8 45.98	0.030	07	0.18	51.922	15	38.2	46.33	18	38.2	K0	C9	3535	P -54 2448
14	9.1E	8.9H	32 53.156	-0.0030	12	-50 11 30.10	-0.003	12	0.65	53.294	28	00.8	29.93	26	00.8	A0	CZ	7543	P -49 2586
15	9.6	9.7W	32 57.063	-0.0047	07	-52 32 7.73	-0.018	07	0.18	57.119	15	38.2	7.52	18	38.2	A2	C9	3536	P -52 2555
16	9.2	9.4W	32 57.495	-0.0012	06	-53 51 1.68	-0.005	06	0.18	57.508	15	38.2	1.63	18	38.2	A0	C9	3537	P -53 2592
17		4.2T	32 59.588	-0.0015	04	-59 0 21.72	0.012	04	0.21	59.659	09	03.9	22.33	07	01.0	B5	GC	13246	P*-58 1576
18	7.9E	8.0Z	33 2.461	-0.0047	12	-51 48 17.68	0.036	12	0.65	2.687	31	01.7	19.39	31	01.7	FO	CZ	7547	P -51 2372
19	8.2E	8.4H	33 3.679	-0.0020	12	-50 20 19.99	-0.004	12	0.71	3.772	45	03.6	19.79	45	03.6	B5	CZ	7545	P -50 2486
20	9.8		33 3.794	-0.0027	13	-56 11 7.71	0.011	13	0.15	3.805	14	46.2	7.75	14	46.2	A0	C0	2650	P -55 2314
21	9.7	8.8W	33 5.890	0.0001	07	-51 56 15.39	0.003	07	0.18	5.889	15	38.2	15.42	18	38.2	K2	C9	3538	P -51 2373
22	9.1	8.1W	33 6.915	0.0001	06	-56 16 1.66	-0.030	06	0.14	6.914	14	46.2	1.55	14	46.2	K0	C0	2651	P -55 2317
23	9.4E	8.5Z	33 15.448	-0.0018	12	-51 40 42.07	0.017	12	0.81	15.531	63	04.2	42.84	57	04.2	F5	CZ	7552	P -51 2375
24	8.8	9.0W	33 16.562	-0.0025	06	-58 21 44.58	-0.005	06	0.14	16.572	14	46.2	44.56	14	46.2	A2	C0	2652	P -58 1578
25	9.9		33 19.848	-0.0027	07	-59 33 25.62	0.010	07	0.14	19.858	14	46.2	25.66	14	46.2	A0	C0	2653	P -59 1421
26	9.3	9.5W	33 30.979	-0.0027	07	-58 49 23.22	0.011	07	0.14	30.990	14	46.2	23.26	14	46.2	A0	C0	2654	P -58 1579
27	9.4	9.7W	33 39.550	-0.0007	06	-54 2 51.63	0.008	06	0.18	39.558	15	38.2	51.73	18	38.2	B8	C9	3539	P -53 2611
28		8.8T	33 57.030	-0.0050	20	-58 58 52.95	-0.010	16	0.85	57.265	24	05.4	52.46	22	02.6	K5	GC	13275	P -58 1580
29	9.8	9.7W	33 57.463	-0.0030	06	-54 43 23.77	0.023	06	0.18	57.499	15	38.2	24.04	18	38.2	F5	C9	3540	P -54 2473
30	7.5	8.0W	34 0.200	-0.0024	05	-53 56 38.94	0.016	05	0.18	8.228	15	38.2	39.13	18	38.2	B8	C9	3541	P -53 2616
31	8.6	9.0W	34 8.468	-0.0018	06	-52 52 59.44	-0.002	06	0.18	8.489	15	38.2	59.42	18	38.2	B9	C9	3542	P -52 2590
32	9.2	9.3W	34 19.476	-0.0009	06	-59 15 9.57	-0.004	06	0.14	19.479	14	46.2	9.56	14	46.2	A0	C0	2656	P -58 1583
33	8.3E	8.5Z	34 21.880	-0.0013	12	-51 31 12.62	-0.015	12	0.81	21.941	63	04.2	11.92	57	04.2	A0	CZ	7583	P -51 2401
34	7.9	8.4W	34 29.782	-0.0023	06	-52 59 23.13	-0.001	06	0.18	29.809	15	38.2	23.12	18	38.2	B9	C9	3543	P -52 2599
35	8.9	7.2W	34 32.187	0.0015	07	-52 19 10.57	0.005	07	0.18	32.169	15	38.2	10.62	18	38.2	MA	C9	3544	P --51 2403
36		7.5T	34 34.102	-0.0008	15	-51 17 19.49	-0.002	11	0.69	34.139	19	00.9	19.39	18	96.3	F0	GC	13282	C -50 4299
37	10.1		34 36.498	0.0016	15	-53 41 27.56	0.031	15	0.24	36.479	15	38.2	27.93	18	38.2	A7	C9	3545	P -53 2624
38	10.0	9.4W	34 39.666	-0.0028	06	-57 35 51.28	0.003	06	0.18	39.699	15	38.2	51.32	18	38.2	B9	C9	3546	P -52 2605
39	8.6	7.7W	34 40.988	-0.0090	06	-57 48 2.96	0.052	06	0.14	41.022	14	46.2	3.16	14	46.2	K0	C0	2657	P -57 2159
40	9.2	9.1W	34 48.745	-0.0037	07	-52 18 28.12	0.009	07	0.18	48.789	15	38.2	28.22	18	38.2	A2	C9	3547	P -51 2409
41	9.6	9.8W	34 55.429	-0.0009	07	-57 28 48.85	0.004	07	0.14	55.433	14	46.2	48.86	14	46.2	B9	C0	2658	P -57 2161
42			34 57.419	-0.0022	13	-59 45 39.57	0.024	13	0.15	57.428	14	46.2	39.66	14	46.2	B8	C0	2659V	P*-59 1428
43	9.2	9.2W	35 5.019	-0.0000	07	-52 13 55.15	0.007	07	0.18	5.019	15	38.2	55.22	18	38.2	A2	C9	3548	P -51 2416
44		6.1T	35 5.103	-0.0135	13	-52 43 12.10	0.079	11	0.64	5.745	21	02.6	16.21	18	98.3	G5	GC	13296	P -52 2612
45	9.4	8.0W	35 12.227	-0.0016	07	-56 54 30.25	-0.024	07	0.14	12.233	14	46.2	30.16	14	46.2	K2	C0	2660	P -56 2365
46	9.8	9.9W	35 15.539	-0.0028	07	-59 28 25.41	-0.012	07	0.14	15.549	14	46.2	25.36	14	46.2	B9	C0	2661	P -59 1431
47	9.9E	9.0Z	35 22.044	-0.0022	12	-51 22 7.26	-0.005	12	0.81	22.144	63	04.2	7.02	57	04.2	A3	CZ	7604	P -51 2424
48	9.8E	9.3*	35 27.871	-0.0018	12	-50 57 55.89	0.010	12	0.64	27.955	31	02.2	56.36	28	02.2		CZ	7605	P -50 2525
49		5.5T	35 31.993	-0.0063	12	-53 26 34.32	-0.019	07	0.50	32.290	18	03.2	33.27	17	93.4	A2	GC	13309K	P*-53 2646
50	9.4	9.5W	35 38.399	-0.0007	06	-57 46 3.91	-0.013	06	0.14	38.402	14	46.2	3.86	14	46.2	A0	C0	2662	P -57 2170
51	9.5E	9.0Z	9 35 40.063	-0.0014	12	-51 14 6.04	-0.003	12	0.81	40.126	63	04.2	5.89	57	04.2	A2	CZ	7608	P -50 2530
52	9.5	9.6W	35 42.293	-0.0005	07	-54 36 20.56	0.023	07	0.18	42.299	15	38.2	20.84	18	38.2	F0	C9	3551	P -54 2506
53	9.0	9.2W	35 51.671	0.0003	07	-59 54 34.78	-0.009	07	0.14	53.670	14	46.2	34.66	14	46.2	B9	C0	2663	P -58 1590
54	9.5	9.2W	35 53.122	-0.0016	07	-59 55 35.67	0.023	07	0.14	53.128	14	46.2	35.76	14	46.2	F0	C0	2546	P -59 1433
55	9.3	9.7W	35 53.196	-0.0019	06	-53 31 40.48	0.012	06	0.18	53.218	15	38.2	40.63	18	38.2	A0	C9	3552	P -53 2650
56	10.0	10.1W	35 53.207	-0.0039	09	-58 27 23.83	0.008	09	0.14	53.222	14	46.2	23.86	14	46.2	A0	C0	2665	P -58 1591
57	10.0E	9.4*	35 56.726	-0.0012	12	-52 0 1.83	0.000	12	0.65	56.786	31	01.7	1.85	31	01.7	A3	CZ	7610	P -51 2434
58	9.5	9.6W	35 58.632	-0.0031	06	-54 42 49.35	0.007	06	0.18	58.668	15	38.2	49.44	18	38.2	A	C9	3554	P -54 2511
59	9.9		35 59.005	-0.0018	11	-57 32 23.72	0.011	11	0.15	59.012	14	46.2	23.76	14	46.2	A0	C0	2666	P -57 2175
60		7.0T	36 4.717	0.0006	12	-59 39 50.60	0.029	10	0.55	4.687	19	05.3	52.02	17	01.6	A3	GC	13320	P -59 1434
61	9.0	9.3W	36 10.114	0.0004	06	-53 27 15.20	0.010	06	0.18	10.109	15	38.2	15.32	18	38.2	B0	C9	3555	P -53 2656
62	9.9	9.9W	36 21.341	-0.0002	13	-58 28 13.02	0.012	13	0.15	21.341	14	46.3	13.06	14	46.3	A2	C0	2668	P -58 1592
63		6.9T	36 23.416	-0.0008	13	-53 59 35.12	0.012	12	0.64	23.452	21	03.0	35.75	19	99.7	A0P	GC	13327	P -53 2664
64	9.1	9.3W	36 25.819	0.0007	07	-55 43 19.99	0.004	07	0.18	25.810	15	38.2	20.04	18	38.2	A2	C9	3557	P -55 2367
65		8.2T	36 28.847	-0.0058	17	-56 38 27.47	-0.044	16	0.76	29.109	22	06.6	25.49	22	04.8	K0	GC	13329	P -56 2382
66	7.4	8.0W	36 30.636	-0.0002	06	-52 28 0.77	-0.004	06	0.18	30.639	15	38.2	0.72	18	38.2	B8	C9	3558	P -52 2645
67	8.9	7.8W	36 30.681	-0.0010	06	-56 5 43.70	0.014	06	0.14	30.685	14	46.3	43.75	14	46.3	K0	C0	2670	P -55 2370
68		8.6T	36 31.182	0.0017	17	-56 44 4.70	-0.024	18	0.80	31.208	22	06.6	3.66	22	06.3	G5	GC	13330K	P -56 2383
69	8.5	7.6W	36 32.431	-0.0051	07	-59 10 26.32	0.093	07	0.14	32.449	14	46.3	26.66	14	46.3	G0	C0	2672	P -58 1593
70	8.9	9.1W	36 34.326	-0.0002	06	-54 51 33.23	0.000	06	0.18	34.328	15	38.2	33.24	18	38.2	A2	C9	3560	P -54 2525
71	9.7		36 36.405	0.0012	15	-56 8 33.12	0.001	15	0.24	36.391	15	38.2	33.13	18	38.2	A0	C9	3561	P -55 2373
72	10.0E	9.5Z	36 38.420	-0.0017	12	-50 48 1.42	0.010	12	0.71	38.497	45	03.6	1.87	45	03.6	A0	CZ	7619	P -50 2549
73	9.3	9.3W	36 39.194	-0.0040	07	-59 13 45.03	0.035	07	0.14	39.209	14	46.3	45.16	14	46.3	A5	C0	2673	P -58 1596
74	9.5	9.6W	36 42.098	-0.0018	07	-52 7 53.09	0.003	07	0.18	42.119	15	38.2	53.12	18	38.2	A0	C9	3562	P -51 2452
75	9.3E	8.5Z	36 44.472	-0.0010	12	-50 34 34.14	-0.006	12	0.71	44.558	45	03.6	33.84	45	03.6	A2	CZ	7620	P -50 2550
76	9.4	9.4W	36 50.303	0.0002	07	-55 58 52.65	0.016	07	0.18	50.301	15	38.2	52.83	18	38.2	F0	C9	3563	P -55 2376
77		7.0W	36 53.582	-0.0002	06	-57 18 15.90	0.017	06	0.14	53.583	14	46.3	15.96	14	46.3	A0	C0	2674	P*-56 2393
78	10.0E	8.5Z	36 58.628	-0.0046	12	-51 19 41.45	-0.006	12	0.81	58.837	63	04.2	41.17	57	04.2	K5	CZ	7627	P -50 2556
79	9.4	9.6W	36 58.736	0.0008	07	-52 14 34.27	-0.012	07	0.18	58.729	15	38.2	34.12	18	38.2	A2	C9	3564	P -51 2456
80	7.4E	7.8Z	37 1.426	-0.0038	12	-50 16 51.24	-0.014	12	0.64	1.605	31	02.1	50.56	28	02.1	A2	CZ	7629	P -49 2640
81		7.6T	37 2.831	-0.0026	12	-58 56 56.42	0.019	10	0.55	2.952	19	03.7	57.34	18	02.4	B9	GC	13336	P -58 1599
82	9.2		37 8.930	-0.0008	07	-56 34 45.39	-0.007	07	0.14	8.933	14	46.3	45.36	14	46.3	A0	C0	2676	P -56 2398
83	9.4	9.2W	37 9.809	-0.0059	07	-53 13 2.14	0.049	07	0.18	9.879	15	38.2	2.72	18	38.2	F2	C9	3565	P -52 2657
84	9.4	8.6W	37 10.083	-0.0013	14	-54 5 55.21	0.001	14	0.23	10.098	15	38.2	55.23	18	38.2	G5	C9	3566	P -53 2679
85	9.6E	9.0Z	37 12.873	-0.0013	12	-51 23 38.10	0.004	12	0.81	12.931	63	04.2	38.27	57	04.2	A3	CZ	7634	P -51 2458
86	9.6	9.8W	37 14.512	0.0003	15	-53 53 14.04	0.024	15	0.24	14.509	15	38.2	14.33	18	38.2	B8	C9	3567	P -53 2680
87	8.9E	8.5Z	37 16.995	-0.0030	12	-50 37 4.82	0.020	12	0.71	17.132	45	03.6	5.73	45	03.6	K0	CZ	7636	P -50 2563
88	9.7	8.8W	37 20.357	0.0007	07	-53 50 8.82	0.009	07	0.18	20.348	15	38.2	8.93	18	38.2	B9	C9	3568	P -53 2681
89	9.7	8.9W	37 31.796	-0.0019	07	-53 49 34.62	0.026	07	0.18	31.818	15	38.2	34.93	18	38.2	K0	C9	3569	P -53 2687
90		7.9T	37 34.119	-0.0002	11	-58 3 14.08	-0.002	11	0.55	34.130	19	03.5	13.97	18	01.0	B8	GC	13344	P -57 2208
91		7.5T	37 40.676	-0.0009	14	-52 42 58.67	0.000	10	0.63	40.720	19	02.9	58.69	19	97.4	K2	GC	13347	P -52 2663
92	9.0	7.8W	37 46.876	-0.0011	06	-54 2 16.34	-0.018	06	0.18	46.888	15	38.2	16.13	18	38.2	G5	C9	3571	P -53 2693
93		6.9T	37 47.530	-0.0002	14	-54 31 34.82	-0.004	11	0.64	47.540	18	03.4	34.64	19	99.1	B3	GC	13350	P -54 2554
94	9.6	8.9W	37 50.093	-0.0026	08	-57 17 36.48	-0.006	08	0.14	50.103	14	46.3	36.46	14	46.3	K0	C0	2678	P -56 2407
95	8.3	8.5W	37 53.295	-0.0012	07	-56 17 36.84	-0.024	07	0.14	53.295	14	46.3	36.75	14	46.3	A0	C0	2679	P -55 2393
96	9.2	9.1W	37 53.925	-0.0037	06	-54 5 29.81	0.010	06	0.18	53.968	15	38.2	29.93	18	38.2	F0	C9	3573	P -53 2696
97	9.3	8.1W	37 54.644	-0.0021	06	-54 15 4.88	0.012	06	0.18	54.668	15	38.2	5.03	18	38.2	K0	C9	3574	P -53 2697
98	9.7		37 57.316	-0.0002	15	-53 59 3.82	0.060	15	0.24	57.318	15	38.2	4.53	18	38.2	B9	C9	3575	P -53 2698
99	7.2	7.6W	37 58.672	-0.0006	07	-53 1 49.91	0.027	07	0.18	58.679	15	38.2	50.22	18	38.2	B5	C9	3576	P -52 2669
00	9.3E	9.5Z	37 59.625	-0.0017	12	-50 41 4.87	-0.000	12	0.63	59.704	28	02.5	4.85	26	02.5	A0	CZ	7654	P -50 2576

237200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 9H DM NUMBER
1	9.5E	9.0Z	9 38 0.482	-0.0001	12	-51 15 58.99	-0.008	12	0.64	0.485	31	02.2	58.59	28	02.2	A2	CZ	7656	P -50 2577
2	9.5	9.5W	38 8.652	-0.0031	07	-52 47 55.71	-0.033	07	0.18	8.689	15	38.2	55.32	18	38.2	A2	C9	3577	P -52 2673
3	8.9	9.0W	38 10.371	-0.0002	07	-57 41 33.49	-0.010	07	0.14	10.372	14	46.3	33.46	14	46.3	A2	C9	3580	P -57 2214
4	8.5	8.9W	38 12.708	0.0013	07	-57 4 33.96	-0.000	07	0.14	12.703	14	46.3	33.96	14	46.3	B9	C9	3581	P -56 2415
5	9.7	8.7W	38 13.677	-0.0002	07	-53 56 45.43	0.017	07	0.18	13.679	15	38.2	45.63	18	38.2	B2	C9	3578	P -53 2702
6	9.4	9.8W	38 16.255	0.0001	07	-56 17 28.74	0.003	07	0.14	16.255	14	46.3	28.75	14	46.3	A0	C0	2682	P -55 2398
7	9.6		38 18.036	0.0008	07	-57 2 30.91	-0.012	07	0.14	18.033	14	46.3	30.86	14	46.3	A0	C0	2683	P -56 2416
8	8.3	8.3W	38 19.362	-0.0031	06	-53 9 26.05	0.015	06	0.18	19.399	15	38.2	26.22	18	38.2	A3	C9	3579	P -52 2678
9	9.3	9.0W	38 19.563	-0.0005	07	-54 33 21.12	-0.058	07	0.18	19.569	15	38.2	20.44	18	38.2	F5	C9	3585	P -54 2565
10		10.6T	38 21.231	-0.0010	18	-59 2 33.52	-0.019	18	0.86	21.274	24	04.7	32.68	24	04.8		GC	13362K	P*-58 1604
11		7.5T	38 22.112	-0.0057	12	-59 3 26.13	0.007	11	0.56	22.379	18	05.6	26.48	17	02.8	A5	GC	13363	P -58 1606
12	8.3	8.5W	38 24.819	-0.0017	07	-52 47 50.42	-0.009	07	0.18	24.839	15	38.2	50.32	18	38.2	A0	C9	3581	P -52 2680
13	9.5	9.7W	38 28.583	-0.0039	06	-53 2 25.85	0.006	06	0.18	28.629	15	38.2	25.92	18	38.2	A2	C9	3582	P -52 2681
14	7.8	8.0W	38 30.323	-0.0024	07	-55 29 1.05	0.007	07	0.18	30.352	15	38.2	1.13	18	38.2	A2	C9	3583	P -55 2401
15	9.8		38 37.434	-0.0021	14	-51 55 43.80	0.019	14	0.23	37.459	15	38.2	44.02	18	38.2	A0	C9	3584	P -51 2486
16	8.4	8.7W	38 46.923	-0.0022	06	-54 9 24.81	0.035	06	0.18	46.948	15	38.2	25.23	18	38.2	A2	C9	3585	P -53 2714
17	9.5	9.6W	38 49.441	-0.0006	07	-56 32 23.20	-0.016	07	0.14	49.443	14	46.3	23.26	14	46.3	A2	C0	2686	P -56 2422
18	9.1	9.4W	38 58.795	-0.0018	07	-58 12 47.97	-0.029	07	0.14	58.802	14	46.3	47.86	14	46.3	B8	C0	2687	P -57 2226
19	9.4	9.5W	39 1.835	-0.0020	07	-52 3 57.63	-0.000	07	0.18	1.859	15	38.2	57.62	18	38.2	A0	C9	3586	P -51 2496
20	9.2	9.5W	39 5.988	-0.0020	07	-55 21 58.09	0.012	07	0.18	6.012	15	38.2	58.23	18	38.2	A0	C9	3587	P -55 2421
21		5.4T	39 10.079	-0.0043	07	-57 45 19.97	-0.004	05	0.25	10.274	09	10.6	20.13	09	04.9	A2	GC	13376K	P*-57 2228
22		7.3T	39 16.875	-0.0011	14	-54 45 19.11	-0.002	11	0.64	16.927	19	03.6	19.03	19	99.2	B8	GC	13378	P -54 2579
23	9.7		39 21.890	-0.0024	06	-53 3 47.50	-0.007	06	0.18	21.919	15	38.2	47.42	18	38.2	A2	C9	3589	P -52 2698
24		5.8T	39 27.264	0.0099	10	-57 1 50.69	-0.044	08	0.37	26.845	12	11.6	48.84	12	07.7	K0	GC	13380	P -56 2435
25	8.3	7.3W	39 29.773	0.0010	07	-58 48 44.93	0.007	07	0.14	29.769	14	46.3	44.96	14	46.3	K0	C0	2690	P -58 1611
26	10.4E	9.8*	39 29.869	-0.0025	12	-51 58 29.18	-0.014	12	0.66	29.993	31	01.3	28.51	31	01.3		CZ	7676	P -51 2504
27		7.5T	39 30.303	-0.0011	18	-51 24 15.42	-0.008	13	0.80	30.353	19	02.5	15.02	18	99.1	A2	GC	13381	C -51 4068
28	9.5E	9.4Z	39 36.684	-0.0028	12	-51 38 41.07	-0.004	12	0.82	36.816	63	03.3	40.87	57	03.3	A3	CZ	7679	P -51 2505
29		8.4T	39 39.761	0.0008	15	-58 54 38.24	0.013	15	0.69	39.724	21	06.1	38.83	21	05.8	K0	GC	13385	P -58 1612
30	9.4	9.8W	39 40.516	-0.0008	11	-58 58 59.93	0.007	11	0.15	40.519	14	46.3	59.96	14	46.3	B9	C0	2692	P -58 1613
31	8.0	8.3W	39 46.813	-0.0030	07	-52 18 35.71	0.010	07	0.18	46.849	15	38.2	35.82	18	38.2	A2	C9	3590	P -51 2511
32	9.5	9.6W	39 47.337	-0.0063	15	-55 28 45.14	0.042	15	0.24	47.411	15	38.2	45.63	18	38.2	A0	C9	3591	P -55 2431
33	10.0		39 47.442	-0.0023	14	-52 12 52.06	-0.003	14	0.23	47.469	15	38.2	52.02	18	38.2	A2	C9	3592	P -51 2512
34	9.5		39 54.412	-0.0029	13	-57 17 37.21	0.014	13	0.15	54.423	14	46.3	37.26	14	46.3	B9	C0	2693	P -56 2441
35	9.7E	8.5Z	39 56.045	-0.0011	12	-51 15 56.21	0.010	12	0.82	56.094	63	03.3	56.66	57	03.3		CZ	7686	P -50 2614
36	9.3	9.7W	40 5.837	-0.0014	06	-57 46 17.96	-0.001	06	0.14	5.842	14	46.3	17.96	14	46.3	A0	C0	2694	P -57 2237
37		6.2T	40 8.796	-0.0023	12	-54 59 6.81	-0.006	08	0.55	8.905	21	03.0	6.51	19	95.7	B5	GC	13399	P -54 2594
38		8.0T	40 10.558	-0.0055	14	-53 59 18.73	-0.006	11	0.64	10.809	21	04.0	18.45	19	99.2	F0	GC	13401	P -53 2745
39	9.8		40 19.119	-0.0018	15	-55 42 50.77	0.031	15	0.24	19.140	15	38.2	51.13	18	38.2	A0	C9	3595	P -55 2440
40	8.6E	9.0Z	40 39.384	-0.0007	12	-50 56 5.96	-0.004	12	0.71	39.415	45	03.2	5.77	45	03.2	A0	CZ	7695	P -50 2621
41	8.4	8.9W	40 44.402	-0.0020	06	-59 20 51.17	-0.003	06	0.14	44.409	14	46.3	51.16	14	46.3	B8	C0	2695	P -59 1453
42	9.2	9.4W	40 47.112	-0.0008	07	-55 5 17.94	0.000	07	0.18	47.122	15	38.2	17.94	18	38.2	B9	C9	3596	P -54 2607
43	9.6E	9.5Z	40 49.827	-0.0008	12	-50 30 33.22	-0.000	12	0.71	49.863	45	03.2	33.20	45	03.2	A2	CZ	7697	P -50 2626
44	9.9E	9.5Z	40 50.913	-0.0015	12	-50 51 26.77	0.004	12	0.71	50.981	45	03.2	26.95	45	03.2		CZ	7698	P -50 2627
45	8.9	9.3W	40 52.398	-0.0009	07	-53 19 57.85	-0.036	07	0.18	52.409	15	38.2	57.42	18	38.2	B9	C9	3597	P -52 2727
46	9.6	8.7W	41 1.102	-0.0046	06	-59 18 46.19	0.101	06	0.14	1.119	14	46.3	46.56	14	46.3	K0	C0	2696	P -58 1619
47		7.9T	41 3.031	-0.0187	18	-55 36 10.57	0.065	12	0.82	4.022	29	01.6	14.03	22	97.0	G5	GC	13415K	P*-55 2452
48		8.5Q	41 3.538	-0.0183	16	-55 36 13.57	0.031	12	0.68	4.433	21	05.2	15.10	19	01.1		GC	13416K	P -55 2452
49	9.3	9.3W	41 3.874	-0.0037	13	-59 51 44.48	0.022	13	0.15	3.888	14	46.3	44.56	14	46.3	A2	C0	2697	P -59 1456
50	9.3E	9.5Z	41 4.560	-0.0135	12	-51 48 31.75	0.086	12	0.82	5.191	63	03.3	35.78	57	03.3	G0	CZ	7703	P -51 2531
51	8.5	8.6W	9 41 7.861	-0.0049	06	-53 53 0.85	0.015	06	0.18	7.918	15	38.2	1.03	18	38.2	A3	C9	3599	P -53 2764
52	8.0	8.4W	41 9.600	-0.0006	06	-57 52 33.95	0.003	06	0.14	9.602	14	46.3	33.96	14	46.3	B8	C0	2698	P -57 2254
53	9.2	9.2W	41 13.916	-0.0019	07	-52 52 30.35	-0.028	07	0.18	13.939	15	38.2	30.08	18	38.2	F0	C9	3600	P -52 2734
54	7.5	8.0W	41 15.831	0.0002	06	-54 32 11.51	0.002	06	0.18	15.828	15	38.2	11.54	18	38.2	B8	C9	3601	P -54 2618
55	9.8		41 16.434	-0.0021	09	-58 21 21.18	-0.006	09	0.14	16.442	14	46.3	21.16	14	46.3	B9	C0	2699	P -58 1623
56	9.7	9.8W	41 25.797	-0.0003	07	-56 5 15.23	0.001	07	0.18	25.801	15	38.2	15.23	18	38.2	A0	C9	3602	P -55 2457
57	8.6	8.5W	41 29.058	-0.0012	07	-57 20 14.24	0.005	07	0.14	29.063	14	46.3	14.26	14	46.3	A0	C0	2700	P -56 2463
58		7.9T	41 30.961	-0.0035	14	-53 50 46.52	0.010	11	0.64	31.122	21	03.6	47.06	19	98.8	A0	GC	13420	P -53 2775
59	9.3E	9.5Z	41 39.868	-0.0006	12	-51 42 39.93	-0.015	12	0.82	39.897	63	03.3	39.21	57	03.3	A2	CZ	7711	P -51 2540
60		6.5T	41 40.607	-0.0029	06	-50 59 54.52	-0.006	05	0.25	40.724	12	09.0	54.25	10	04.1	B8	GC	13421	C -50 4420
61	8.9	9.0W	41 43.651	-0.0015	06	-54 47 25.63	-0.008	06	0.18	43.668	15	38.2	25.54	18	38.2	A5	C9	3604	P -54 2632
62	9.3E	9.0Z	41 47.448	-0.0003	12	-51 17 52.26	-0.005	12	0.82	47.460	63	03.3	52.01	57	03.3	G5	CZ	7713	P -50 2637
63	7.1	7.5W	41 48.110	-0.0022	07	-59 47 58.12	0.012	07	0.14	48.118	14	46.3	58.16	14	46.3	B8	C0	2701	P*-59 1464
64	9.5	9.6W	41 51.495	-0.0021	07	-57 13 49.34	0.005	07	0.14	51.503	14	46.3	49.36	14	46.3	A3	C0	2702	P -56 2467
65	9.8E	9.0Z	41 53.190	-0.0012	12	-51 54 42.21	-0.003	12	0.82	53.248	63	03.3	42.08	57	03.3	A0	CZ	7716	P -51 2544
66	8.6E	8.4*	41 55.203	-0.0039	12	-50 9 3.15	0.008	12	0.64	55.390	31	02.2	3.52	28	02.2	A3	CZ	7715	P -49 2731
67		8.0T	41 56.485	0.0014	15	-56 43 23.12	0.000	12	0.68	56.413	21	03.6	23.13	19	98.7	B8	GC	13424	P -56 2470
68		5.7T	42 0.250	-0.0079	08	-53 39 42.38	0.020	05	0.31	0.555	14	11.2	43.32	12	04.2	A0	GC	13426	P*-53 2788
69	10.1		42 5.266	-0.0016	11	-58 25 18.79	0.020	11	0.15	5.272	14	46.3	18.86	14	46.3	A2	C0	2704	P -58 1625
70	8.8	8.8W	42 15.245	-0.0012	06	-54 49 14.93	0.017	06	0.18	15.258	15	38.2	15.14	18	38.2	A2	C9	3606	P -54 2642
71	9.0	8.4W	42 15.457	-0.0034	07	-58 57 16.66	0.001	07	0.14	15.470	14	46.3	16.66	14	46.3	G0	C0	2705	P -58 1626
72		7.8T	42 15.726	-0.0023	18	-51 8 13.53	0.016	12	0.75	15.827	24	05.3	14.31	24	01.6	B3	GC	13432	C -50 4432
73	9.6	9.6W	42 18.433	-0.0022	06	-53 5 34.22	-0.026	06	0.18	18.459	15	38.2	33.92	18	38.2	B3	C9	3607	P -52 2751
74	8.1	7.9W	42 18.847	-0.0017	06	-57 24 24.77	0.023	06	0.14	18.853	14	46.3	24.86	14	46.3	F5	C0	2706	P -57 2273
75	9.4	8.1W	42 19.782	-0.0026	07	-57 55 49.77	-0.003	07	0.14	19.792	14	46.3	49.76	14	46.3	K2	C0	2707	P -57 2274
76	9.9		42 20.201	-0.0066	15	-54 34 32.48	0.030	15	0.24	20.278	15	38.2	32.84	18	38.2	A0	C9	3608	P -54 2644
77	9.5	9.6W	42 21.884	0.0013	15	-53 59 36.47	0.072	15	0.24	21.869	15	38.2	37.33	18	38.2	F0	C9	3609	P -53 2804
78	7.8	8.0W	42 24.454	-0.0004	06	-53 30 53.82	0.000	06	0.18	24.459	15	38.2	53.83	18	38.2	B3	C9	3610	P -53 2806
79	9.3E	9.4Z	42 28.270	-0.0003	12	-51 16 6.52	0.002	12	0.82	28.282	63	03.3	6.60	57	03.3	A0	CZ	7728	P -50 2649
80	9.5E	9.0Z	42 30.399	-0.0018	12	-51 4 40.41	-0.009	12	0.71	30.482	45	03.2	39.98	45	03.2	A	CZ	7729	P -50 2650
81	8.5	9.0W	42 32.961	-0.0003	06	-57 41 59.61	-0.013	06	0.14	32.962	14	46.3	59.56	14	46.3	B8	C0	2708	P*-57 2277
82	7.3	7.8W	42 36.605	-0.0007	07	-59 38 27.26	0.026	07	0.14	36.608	14	46.3	27.36	14	46.3	B9	C0	2709	P -59 1468
83	9.4		42 37.224	-0.0030	09	-52 1 23.29	0.012	09	0.20	37.259	15	38.2	23.42	18	38.2	A0	C9	3611	P -51 2557
84	9.2E	8.5Z	42 39.541	-0.0031	12	-51 1 31.44	-0.012	12	0.71	39.684	45	03.2	30.86	45	03.2	G5	CZ	7733	P -50 2653
85	9.2	8.9W	42 42.198	-0.0011	07	-57 48 23.79	-0.036	07	0.14	42.202	14	46.3	23.66	14	46.3	F2	C0	2710	P -57 2283
86	9.0	8.8W	42 42.676	-0.0013	07	-55 24 0.71	-0.023	07	0.18	42.692	15	38.2	0.43	18	38.2	F2	C9	3612	P -55 2475
87	9.0	9.3W	42 47.061	-0.0023	07	-58 56 57.78	-0.006	07	0.14	47.069	14	46.3	57.76	14	46.3	B9	C0	2711	P -58 1629
88		6.8T	42 48.230	0.0106	26	-50 35 38.71	0.041	26	1.17	47.750	21	04.9	40.57	21	04.9	A0	GC	13440	C -50 4440
89	8.5	8.9W	42 50.538	-0.0001	07	-52 2 46.19	-0.005	07	0.18	50.539	15	38.2	46.12	18	38.2	B9	C9	3613	P -51 2564
90	8.6E	9.4Z	42 53.632	0.0003	12	-51 33 28.69	-0.007	12	0.82	53.619	63	03.3	28.35	57	03.3	B9	CZ	7741	P -51 2565
91	9.2	9.5W	43 6.899	0.0006	07	-55 26 12.69	0.038	07	0.18	6.892	15	38.2	13.14	18	38.2	B9	C9	3614	P -55 2483
92	10.0E	8.7Z	43 7.438	-0.0010	12	-50 15 23.97	-0.014	12	0.71	7.485	45	03.2	23.30	45	03.2	K5	CZ	7749	P -49 2749
93	9.1	9.1W	43 12.671	-0.0007	07	-54 51 37.32	-0.007	07	0.18	12.679	15	38.2	37.24	18	38.2	F2	C9	3615	P -54 2656
94	9.6		43 14.519	-0.0018	09	-55 35 27.37	-0.003	09	0.20	14.541	15	38.2	27.33	18	38.2	A2	C9	3616	P -55 2484
95	9.4E	9.3M	43 16.028	-0.0004	12	-50 26 10.95	-0.008	12	0.71	16.048	45	03.2	10.56	45	03.2	A0	CZ	7753	P -50 2674
96	9.3	9.6W	43 17.829	0.0006	07	-55 4 26.11	0.002	07	0.18	17.822	15	38.2	26.14	18	38.2	A2	C9	3617	P -54 2658
97		7.0T	43 18.476	0.0047	13	-57 20 16.51	-0.044	10	0.57	18.247	19	06.1	14.37	18	01.2	G5	GC	13448	P -56 2491
98	7.6	8.2W	43 18.460	-0.0009	07	-55 47 11.23	-0.000	07	0.18	18.470	15	38.2	11.23	18	38.2	B8	C9	3618	P*-55 2485
99	8.9	9.2W	43 18.943	-0.0014	07	-59 46 6.03	0.007	07	0.14	18.948	14	46.3	6.06	14	46.3	B9	C0	2713	P -59 1473
00	9.1	9.5W	43 21.034	-0.0029	07	-52 7 50.93	-0.000	07	0.18	21.069	15	38.2	50.92	18	38.2	A0	C9	3619	P -51 2568

237300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 9H DM NUMBER
1	9.4E	9.0Z	9 43 23.106	-0.0137	12	-50 30 51.94	0.048	12	0.71	23.746	45	03.2	54.17	45	03.2	F8	CZ	7757	P -50 2678
2	9.8E	9.5*	43 30.297	-0.0020	07	-51 18 10.57	-0.002	12	0.66	30.393	31	01.2	10.46	31	01.2		CZ	7762	P -50 2681
3	9.1	8.3W	43 32.546	-0.0019	07	-53 12 12.84	-0.010	07	0.18	32.569	15	38.2	12.72	18	38.2	G5	C9	3620	P -52 2772
4	10.0	9.6W	43 32.659	-0.0017	06	-53 1 8.11	0.010	06	0.18	32.679	15	38.2	8.22	18	38.2	G5	C9	3621	P -52 2771
5		7.2T	43 35.459	-0.0020	12	-54 0 59.55	0.005	10	0.60	35.555	19	01.2	59.85	18	96.3	A2	GC	13453	P -53 2836
6	9.5	8.4W	43 40.462	-0.0006	07	-54 31 18.69	0.021	07	0.18	40.468	15	38.2	18.94	18	38.2	K2	C9	3623	P -54 2669
7		7.4T	43 41.931	-0.0030	17	-59 14 42.90	-0.046	18	0.77	42.057	19	07.8	40.92	19	07.5	G5	GC	13455K	P*-58 1635
8	9.6	8.6W	43 43.989	0.0009	06	-54 8 16.61	0.018	06	0.18	43.979	15	38.2	16.83	18	38.2	B	C9	3624	P -53 2841
9	8.5	8.8W	43 44.102	-0.0031	07	-54 4 5.64	0.016	07	0.18	44.138	15	38.2	5.83	18	38.2	B9	C9	3625	P -53 2840
10	9.3	9.5W	43 52.022	-0.0014	07	-53 43 23.09	0.020	07	0.18	52.038	15	38.2	23.43	18	38.2	A3	C9	3626	P -53 2843
11	9.0	9.2W	43 56.113	-0.0006	06	-55 30 44.52	-0.007	06	0.18	56.121	15	38.2	44.43	18	38.2	B8	C9	3627	P -55 2500
12	7.5	7.3W	43 56.805	0.0014	07	-52 3 11.66	-0.003	07	0.18	56.789	15	38.2	11.62	18	38.2	F2	C9	3628	P -51 2580
13	8.7	9.1W	44 3.157	0.0010	13	-56 30 19.94	0.005	13	0.15	3.153	14	46.3	19.96	14	46.3	B8	CO	2715	P -56 2498
14		6.6T	44 4.311	-0.0038	12	-56 57 16.10	0.015	08	0.55	4.519	19	02.3	16.93	18	95.5	B8	GC	13467	P -56 2499
15	8.2	8.4W	44 5.611	-0.0002	07	-58 6 0.65	-0.023	07	0.14	5.612	14	46.3	0.56	14	46.3	A2	CO	2717	P -57 2302
16	8.8	8.3W	44 9.328	0.0068	06	-56 46 14.29	0.046	06	0.14	9.303	14	46.3	14.46	14	46.3	G5	CO	2718	P*-56 2502
17	9.8	9.6W	44 11.250	-0.0007	07	-52 42 10.17	-0.004	07	0.18	11.259	15	38.2	10.12	18	38.2	A3	C9	3629	P -52 2782
18	9.4E	9.0Z	44 11.843	-0.0005	12	-51 29 31.36	-0.004	12	0.82	11.864	63	03.3	31.16	57	03.3	F0	CZ	7781	P -51 2589
19	8.8E	8.5Z	44 11.979	-0.0078	12	-50 38 18.62	0.012	12	0.71	12.343	45	03.2	19.16	45	03.2	K0	CZ	7780	P -50 2699
20	8.5	8.9W	44 12.488	-0.0004	06	-59 14 9.22	0.011	06	0.14	12.489	14	46.3	9.26	14	46.3	B8	CO	2719	P -58 1638
21		6.3T	44 23.376	-0.0158	11	-58 33 48.07	0.056	07	0.50	24.312	18	00.0	51.36	17	90.6	F5	GC	13476	P -58 1640
22	9.6	8.5W	44 26.761	-0.0000	06	-55 33 43.09	-0.013	06	0.18	26.761	15	38.2	42.94	18	38.2	K2	C9	3630	P -55 2507
23	8.9	7.8W	44 27.646	-0.0009	06	-58 45 55.16	0.001	06	0.14	27.649	14	46.3	55.16	14	46.3	G5	CO	2721	P -58 1641
24		7.2T	44 29.014	-0.0088	13	-58 48 55.18	0.059	11	0.59	29.442	19	05.1	58.09	18	01.1	K0	GC	13477	P -58 1644
25	9.0	9.0W	44 29.110	-0.0027	07	-58 30 44.27	-0.001	07	0.14	29.120	14	46.3	44.26	14	46.3	F2	CO	2722	P -58 1643
26	9.7	9.8W	44 34.255	-0.0029	07	-52 43 40.37	-0.004	07	0.18	34.289	15	38.2	40.32	18	38.2	A2	C9	3631	P -52 2788
27	9.4E	9.0Z	44 35.440	-0.0012	12	-51 8 10.23	-0.013	12	0.71	35.494	45	03.2	9.61	45	03.2	A0	CZ	7787	P -50 2707
28	9.0	8.6W	44 40.667	0.0007	07	-53 55 6.21	0.010	07	0.18	40.658	15	38.2	6.33	18	38.2	B2	C9	3632	P -53 2865
29	7.9E	7.5H	44 47.366	-0.0013	12	-50 20 38.80	-0.000	12	0.65	47.427	31	01.9	38.79	28	01.9	A2	CZ	7790	P -50 2713
30	9.2	9.1W	44 51.080	-0.0033	06	-52 43 42.42	0.000	06	0.18	51.119	15	38.2	42.42	18	38.2	B	C9	3633	P*-52 2793
31	8.4	8.6W	44 53.840	-0.0011	06	-56 20 50.66	-0.002	06	0.14	53.845	14	46.3	50.65	14	46.3	A2	CO	2724	P -56 2514
32		6.8T	44 54.949	-0.0024	12	-59 7 15.16	0.000	10	0.57	55.068	19	02.9	15.18	18	99.3	A0	GC	13493	P -58 1646
33	8.9	8.8W	45 0.702	-0.0006	07	-52 0 35.99	-0.014	07	0.18	0.709	15	38.2	35.82	18	38.2	B9	C9	3634	P -51 2605
34	8.7	9.0W	45 2.362	-0.0008	07	-55 6 30.83	0.009	07	0.18	2.372	15	38.2	30.94	18	38.2	A0	C9	3635	P -54 2700
35	9.1	9.5W	45 10.139	-0.0011	07	-55 11 25.02	0.001	07	0.18	10.152	15	38.2	25.03	18	38.2	A0	C9	3636	P -54 2703
36	9.2E	9.0Z	45 10.551	0.0011	12	-51 40 35.27	-0.030	12	0.82	10.501	63	03.1	33.85	57	03.1	F0	CZ	7795	P -51 2611
37	12.0E	8.8Z	45 15.434	-0.0034	12	-51 48 26.79	-0.005	12	0.82	15.595	63	03.1	26.57	57	03.1		CZ	7796	P -51 2616
38	10.3E	9.3Z	45 16.249	-0.0006	12	-51 48 26.07	-0.004	12	0.82	16.279	63	03.1	25.90	57	03.1		CZ	7797	P -51 2616
39	9.3	9.7W	45 23.020	-0.0022	07	-59 40 10.73	0.007	07	0.14	23.028	14	46.3	10.76	14	46.3	A0	CO	2726	P -59 1480
40	9.3	9.1W	45 25.066	-0.0002	07	-53 58 17.91	0.001	07	0.18	25.069	15	38.2	17.93	18	38.2	A2	C9	3637	P -53 2878
41	9.9	9.7W	45 25.601	-0.0049	07	-52 27 19.14	-0.001	07	0.18	25.659	15	38.2	19.12	18	38.2	F5	C9	3638	P -52 2802
42		7.7T	45 46.867	0.0008	16	-56 31 47.37	0.015	12	0.68	46.828	21	05.2	48.12	19	00.8	B9	GC	13505	P -56 2533
43	10.2		45 49.793	-0.0047	07	-53 22 3.56	0.013	07	0.18	49.849	15	38.2	3.72	18	38.2	A0	C9	3639	P -53 2884
44	7.9	8.4W	45 59.236	-0.0015	06	-57 57 18.99	-0.009	06	0.14	59.242	14	46.3	18.96	14	46.3	B8	CO	2728	P -57 2322
45	9.2	9.6W	46 1.277	-0.0014	06	-57 56 49.07	-0.002	06	0.14	1.282	14	46.3	49.06	14	46.3	B8	CO	2729	P -57 2323
46	8.6	9.0W	46 3.844	-0.0000	07	-56 12 32.35	-0.000	07	0.14	3.844	14	46.3	32.35	14	46.3	B8	CO	2730	P -55 2536
47	9.2	9.6W	46 9.938	-0.0036	07	-55 33 3.81	0.028	07	0.18	9.981	15	38.2	4.13	18	38.2	A0	C9	3640	P*-55 2539
48	9.3	8.5W	46 13.323	-0.0032	15	-55 43 26.12	-0.024	15	0.24	13.360	15	38.2	25.84	18	38.2	G5	C9	3641	P -55 2540
49	9.4	9.0W	46 20.185	0.0005	06	-57 25 37.20	-0.066	06	0.14	20.183	14	46.3	36.96	14	46.3	G0	CO	2731	P -57 2330
50	9.6	8.6W	46 21.690	0.0025	15	-55 43 52.26	0.210	15	0.24	21.660	15	38.2	54.74	18	38.2	G5	C9	3642	P -55 2542
51	9.7E	9.2Z	9 46 21.867	-0.0012	12	-51 3 24.26	-0.015	12	0.65	21.923	31	01.9	23.52	28	01.9		CZ	7811	P -50 2745
52	9.0	8.8W	46 22.592	-0.0023	06	-54 20 43.35	-0.002	06	0.18	22.619	15	38.2	43.33	18	38.2	F5	C9	3643	P -54 2725
53	8.4	8.5W	46 22.950	-0.0006	06	-57 56 59.98	-0.006	06	0.14	22.952	14	46.3	59.96	14	46.3	A2	CO	2732	P -57 2334
54	8.5	7.5W	46 30.234	-0.0028	07	-55 57 59.51	0.010	07	0.14	30.245	14	46.3	59.55	14	46.3	K0	CO	2733	P -55 2544
55	8.2	7.3W	46 30.279	-0.0034	06	-54 9 47.99	-0.006	06	0.18	30.318	15	38.2	47.93	18	38.2	K0	C9	3645	P -53 2902
56	9.3	9.5W	46 31.186	-0.0013	07	-55 3 23.67	-0.029	07	0.18	31.202	15	38.2	23.33	18	38.2	B9	C9	3646	P*-54 2731
57	10.1	9.7W	46 31.558	-0.0035	07	-52 44 29.83	-0.043	07	0.18	31.599	15	38.2	29.32	18	38.2	F5	C9	3647	P -52 2823
58	9.5E	8.5Z	46 32.062	-0.0032	12	-50 43 49.76	0.002	12	0.71	32.211	45	03.2	49.83	45	03.2	K0	CZ	7815	P -50 2748
59	9.0	8.1W	46 40.288	-0.0043	07	-52 16 57.95	0.015	07	0.18	40.339	15	38.2	58.12	18	38.2	K0	C9	3648	P -51 2640
60	9.4	9.4W	46 47.791	-0.0049	06	-52 46 29.80	0.010	06	0.18	47.849	15	38.2	29.92	18	38.2	F0	C9	3649	P*-52 2827
61	8.8	9.2W	46 50.282	0.0017	07	-55 19 24.29	0.021	07	0.18	50.262	15	38.2	24.54	18	38.2	A0	C9	3650	P -54 2735
62	9.7	8.1W	46 50.767	-0.0015	13	-57 25 30.77	-0.004	13	0.15	50.773	14	46.3	30.76	14	46.3	MA	CO	2734	P -57 2340
63	9.5E	8.5Z	46 50.857	-0.0005	12	-51 49 54.68	-0.008	12	0.82	50.882	63	03.3	54.32	57	03.3		CZ	7818	P -51 2641
64	9.3	9.4W	46 52.045	-0.0012	07	-52 11 24.97	-0.012	07	0.18	52.059	15	38.2	24.82	18	38.2	A2	C9	3652	P -51 2642
65	9.1E	8.5Z	46 52.800	-0.0040	12	-50 45 56.57	-0.000	12	0.71	52.986	45	03.2	56.56	45	03.2	F0	CZ	7819	P -50 2756
66		8.8T	46 53.001	0.0033	22	-59 57 47.38	-0.045	18	0.85	52.864	18	09.7	45.54	18	08.7	F5	GC	13525	P -59 1487
67	9.7E	9.5Z	46 57.918	-0.0019	12	-51 6 39.40	-0.009	12	0.71	58.006	45	03.2	38.97	45	03.2		CZ	7824	P -50 2759
68	9.7	8.7W	46 58.073	0.0003	13	-58 26 33.31	-0.040	13	0.15	58.072	14	46.3	33.16	14	46.3	K0	CO	2736	P -58 1658
69		7.8T	46 59.051	0.0002	17	-55 15 41.50	-0.007	13	0.73	59.040	22	05.0	41.17	19	00.8	M0	GC	13526	P -54 2737
70		6.1T	47 1.275	-0.0068	09	-56 10 42.99	0.012	08	0.50	1.655	19	98.9	43.67	18	94.2	K0	GC	13527	P -55 2548
71	8.7	7.9W	47 1.728	-0.0288	07	-52 23 7.27	0.242	07	0.18	2.069	15	38.2	10.12	18	38.2	K0	C9	3654	P -52 2830
72	8.8	8.1W	47 3.471	0.0022	06	-56 50 45.44	-0.022	06	0.14	3.463	14	46.3	45.36	14	46.3	G5	CO	2738	P -56 2549
73	8.8	8.5W	47 7.618	-0.0094	07	-53 21 8.22	0.042	07	0.18	7.729	15	38.2	8.72	18	38.2	G0	C9	3655	P -53 2912
74		7.4T	47 13.511	-0.0061	14	-59 53 57.69	0.034	10	0.57	13.787	18	07.6	59.25	17	04.7	K0	GC	13535	P -59 1491
75	9.9E	9.8H	47 24.183	-0.0019	12	-50 12 26.85	-0.020	12	0.71	24.272	45	03.7	25.91	45	03.7	A2	CZ	7832	P -49 2820
76	9.2E	9.0Z	47 27.207	-0.0026	12	-51 45 52.84	-0.006	12	0.82	27.330	63	03.3	52.58	57	03.3		CZ	7836	P -51 2653
77	9.5	9.1W	47 29.638	-0.0058	07	-58 32 21.97	-0.001	07	0.14	29.660	14	46.3	21.96	14	46.3	F0	CO	2740	P -58 1660
78	8.8E	8.5H	47 30.376	-0.0035	12	-50 25 33.30	0.004	12	0.71	30.540	45	03.2	33.47	45	03.2	G5	CZ	7837	P -50 2772
79	9.4	9.8W	47 33.972	-0.0007	07	-56 12 42.05	-0.001	07	0.14	33.974	14	46.3	42.05	14	46.3	A0	CO	2741	P -55 2558
80	9.2	9.1W	47 36.711	-0.0015	07	-53 57 38.85	0.015	07	0.18	36.728	15	38.2	39.03	18	38.2	F0	C9	3656	P -53 2919
81	7.5E	8.0Z	47 46.313	-0.0023	12	-51 53 35.62	-0.003	12	0.66	46.424	31	01.3	35.45	31	01.3	B8	CZ	7839	P -51 2658
82	8.7E	8.5Z	47 49.629	-0.0018	12	-51 38 19.06	-0.002	12	0.82	49.714	63	03.3	18.96	57	03.3		CZ	7840	P -51 2659
83	8.5	8.5W	47 57.808	-0.0051	06	-53 49 41.54	0.033	06	0.18	57.869	15	38.2	41.93	18	38.2	F2	C9	3657	P -53 2925
84	9.5	8.5W	48 3.480	0.0001	06	-52 50 42.35	-0.002	06	0.18	3.479	15	38.2	42.32	18	38.2	K0	C9	3658	P -52 2853
85	9.7		48 9.535	-0.0039	15	-55 27 29.47	-0.003	15	0.24	9.582	15	38.2	29.43	18	38.2	A0	C9	3659	P -55 2564
86	9.8E	9.9Z	48 13.446	-0.0007	12	-50 7 50.04	-0.025	12	0.71	13.479	45	03.7	48.87	45	03.7	A2	CZ	7850	P -49 2839
87		7.9T	48 14.146	0.0109	17	-50 23 27.00	-0.071	13	0.75	13.634	19	03.0	23.51	19	00.8	F8	GC	13552	C -50 4563
88	9.0	9.2W	48 14.601	-0.0002	07	-57 40 19.95	0.004	07	0.14	14.602	14	46.3	19.96	14	46.3	B8	CO	2743	P -57 2362
89		7.7W	48 19.466	-0.0010	06	-58 34 31.15	0.001	06	0.14	19.470	14	46.3	31.16	14	46.3	A0	CO	2744	P -58 1667
90	8.7E	7.6H	48 29.371	-0.0010	12	-50 12 4.09	-0.010	12	0.71	29.417	45	03.7	3.61	45	03.7	MA	CZ	7856	P -49 2846
91	7.9E	8.5Z	48 31.751	-0.0009	12	-50 6 5.43	-0.011	12	0.64	31.792	31	02.2	4.90	28	02.2	B9	CZ	7858	P -49 2847
92	8.7	9.0W	48 35.650	0.0007	07	-55 2 12.28	0.005	07	0.18	35.642	15	38.2	12.33	18	38.2	A0	C9	3660	P -54 2759
93	7.6	8.1W	48 35.790	-0.0005	06	-57 58 52.25	0.004	06	0.14	35.792	14	46.3	52.26	14	46.3	B8	CO	2745	P*-57 2367
94	8.7	8.8W	48 37.255	-0.0022	07	-57 18 41.87	-0.004	07	0.14	37.263	14	46.3	41.86	14	46.3	A2	CO	2746	P*-56 2569
95	9.8	8.8W	48 37.518	0.0000	07	-59 46 6.34	0.005	07	0.14	37.518	14	46.3	6.36	14	46.3	G5	CO	2747	P -59 1505
96	7.8	8.1W	48 38.556	0.0012	06	-57 48 41.04	0.005	06	0.14	38.552	14	46.3	41.06	14	46.3	B5	CO	2748	P -57 2368
97	9.8E	9.8Z	48 42.481	-0.0020	12	-51 43 0.98	0.002	12	0.82	42.576	63	03.3	1.06	57	03.3	A2	CZ	7866	P -51 2672
98		8.0T	48 45.234	0.0026	17	-59 13 56.59	-0.009	12	0.69	45.110	21	06.6	56.19	18	03.2	G5	GC	13561	P -58 1668
99	9.5	9.6W	48 55.291	-0.0025	15	-55 40 27.38	0.039	15	0.24	55.321	15	38.2	27.83	18	38.2	A0	C9	3661	P -55 2579
00	9.6	9.4W	48 58.916	-0.0019	14	-51 55 50.43	0.017	14	0.23	58.939	15	38.2	50.62	18	38.2	F2	C9	3663	P -51 2678

237400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 9H DM NUMBER
1	9.2	9.1W	9 48 59.602	-0.0023	07	-53 9 9.57	0.012	07	0.18	59.629	15	38.2	9.72	18	38.2	B	C9	3664	P -52 2872
2	9.1E	8.5Z	49 2.850	-0.0033	12	-51 16 6.09	0.012	12	0.66	3.009	31	01.2	6.66	31	01.2	K2	CZ	7871	P -50 2801
3	9.6	8.4W	49 4.640	-0.0041	07	-53 19 4.43	0.050	07	0.18	4.689	15	38.2	5.02	18	38.2	K0	C9	3665	P -52 2876
4	8.9	9.0W	49 5.079	-0.0051	07	-53 4 10.30	-0.007	07	0.18	5.139	15	38.2	10.22	18	38.2	A5	C9	3666	P -52 2875
5	9.2E	9.2Z	49 5.905	-0.0018	12	-51 36 38.40	-0.015	12	0.82	5.990	63	03.3	37.69	57	03.3		CZ	7873	P -51 2680
6	9.4	9.6W	49 11.999	-0.0042	07	-53 2 32.53	0.016	07	0.18	12.049	15	38.2	32.72	18	38.2	A2	C9	3667	P -52 2878
7	9.5	8.9W	49 24.603	0.0058	06	-57 53 28.52	-0.096	06	0.14	24.582	14	46.3	28.16	14	46.3	G0	C0	2750	P*-57 2379
8	8.9	8.8W	49 24.871	-0.0015	06	-52 56 53.04	-0.002	06	0.18	24.889	15	38.2	53.02	18	38.2	F0	C9	3668	P -52 2883
9	9.5	9.5W	49 26.367	-0.0032	07	-59 22 37.20	-0.012	07	0.14	26.379	14	46.3	37.16	14	46.3	A0	C0	2751	P -59 1511
10	9.7E	9.7Z	49 27.543	-0.0018	12	-50 0 25.59	-0.010	12	0.71	27.627	45	03.7	25.11	45	03.7	A0	CZ	7878	P -49 2866
11	8.9	9.0W	49 30.107	-0.0027	06	-52 56 38.16	-0.012	06	0.18	30.139	15	38.2	38.02	18	38.2	B5	C9	3669	P*-52 2885
12	9.7	9.6W	49 30.202	-0.0016	07	-59 36 1.55	0.030	07	0.14	30.208	14	46.3	1.66	14	46.3	F0	C0	2752	P -59 1512
13	8.1E	9.0Z	49 33.869	-0.0021	12	-51 42 20.45	-0.016	12	0.71	33.969	45	03.3	19.69	45	03.3	A0	CZ	7881	P -51 2693
14	9.2	8.8W	49 35.566	-0.0163	07	-52 39 18.01	0.102	07	0.18	35.759	15	38.2	19.22	18	38.2	G0	C9	3670	P -52 2887
15	9.0	9.1W	49 36.373	-0.0044	07	-59 7 13.00	0.015	07	0.14	36.389	14	46.3	13.06	14	46.3	A0	C0	2753	P -58 1672
16	9.7	8.0W	49 37.990	-0.0014	07	-56 1 55.16	-0.002	07	0.14	37.995	14	46.3	55.15	14	46.3	K5	C0	2754	P -55 2593
17	9.8E	9.6Z	49 38.149	-0.0014	12	-51 44 0.11	-0.005	12	0.71	38.215	45	03.3	-59.86	45	03.3		CZ	7886	P -51 2694
18		5.8T	49 38.428	0.0028	10	-59 11 23.92	-0.041	07	0.36	38.311	12	13.0	22.21	12	08.7	K2	GC	13584	P -58 1673
19	9.8	10.0W	49 40.261	-0.0019	09	-59 32 51.79	-0.007	09	0.14	40.267	14	46.3	51.76	14	46.3	A2	C0	2756	P -59 1513
20	9.8		49 43.990	0.0001	07	-53 37 16.89	0.020	07	0.18	43.988	15	38.2	17.13	18	38.2	A2	C9	3672	P -53 2952
21	9.5E	9.5Z	49 47.977	-0.0013	12	-51 37 38.17	-0.009	12	0.71	48.039	45	03.3	37.74	45	03.3		CZ	7889	P -51 2697
22		8.2T	49 54.172	-0.0034	15	-55 8 55.26	0.008	11	0.65	54.340	21	04.7	55.67	19	00.2	A5	GC	13589	P -54 2790
23		7.2T	49 57.830	-0.0012	14	-54 25 21.60	-0.130	11	0.64	57.884	21	04.0	15.02	19	99.2	G0	GC	13591	P -54 2792
24	9.0	9.0W	50 3.819	-0.0029	07	-59 2 59.19	-0.007	07	0.14	3.829	14	46.3	59.16	14	46.3	A0	C0	2757	P*-58 1678
25	9.1	9.2W	50 6.880	-0.0012	06	-56 15 52.20	-0.012	06	0.14	6.885	14	46.3	52.15	14	46.3	A0	C0	2758	P -55 2600
26	8.9	9.5W	50 8.262	-0.0002	07	-56 53 10.00	-0.010	07	0.14	8.263	14	46.3	9.96	14	46.3	B9	C0	2759	P -56 2594
27	8.9	8.8W	50 8.881	-0.0015	07	-52 7 38.94	0.007	07	0.18	8.899	15	38.2	39.02	18	38.2	A5	C9	3675	P -51 2704
28	8.5	8.5W	50 23.029	-0.0008	07	-54 2 54.11	0.018	07	0.18	23.038	15	38.2	54.33	18	38.2	B0	C9	3676	P -53 2964
29	8.4	8.6W	50 25.646	-0.0019	06	-53 39 31.51	0.010	06	0.18	25.668	15	38.2	31.63	18	38.2	A0	C9	3677	P -53 2968
30	9.2	9.1W	50 30.673	-0.0030	07	-54 21 39.58	0.012	07	0.18	30.708	15	38.2	39.73	18	38.2	F0	C9	3678	P -54 2800
31	8.7	9.1W	50 31.262	-0.0017	07	-59 42 22.97	-0.003	07	0.14	31.268	14	46.3	22.96	14	46.3	B8	C0	2760	P -59 1517
32	8.5	7.3W	50 32.497	-0.0010	06	-52 24 48.53	-0.000	06	0.18	32.509	15	38.2	48.52	18	38.2	K0	C9	3679	P -52 2903
33	9.6	8.0W	50 33.985	-0.0013	06	-58 36 24.76	-0.000	06	0.14	33.990	14	46.3	24.76	14	46.3	K5	C0	2761	P -58 1679
34	9.5	9.7W	50 34.890	0.0020	07	-56 45 30.17	-0.004	07	0.14	34.883	14	46.3	30.16	14	46.3	B8	C0	2762	P -56 2598
35	9.5	9.9W	50 41.526	-0.0016	07	-58 0 55.14	-0.021	07	0.14	41.532	14	46.3	55.06	14	46.3	A0	C0	2763	P -57 2396
36		7.6T	50 47.449	-0.0002	11	-51 28 39.01	-0.027	11	0.56	47.456	15	03.6	37.67	18	99.9	B5	GC	13601	C -51 4265
37	9.0	8.4W	50 51.154	0.0004	07	-53 16 49.81	-0.007	07	0.18	51.149	15	38.2	49.72	18	38.2	G0	C9	3680	P -52 2907
38	9.7E	9.7Z	50 51.400	-0.0006	12	-50 3 48.09	-0.010	12	0.72	51.429	45	02.7	47.60	45	02.7	B9	CZ	7906	P -49 2890
39	9.4	9.4W	50 53.933	-0.0004	07	-54 4 57.96	0.006	07	0.18	53.928	15	38.2	58.03	18	38.2	B3	C9	3681	P -53 2976
40	9.9E	10.0Z	50 54.007	-0.0019	12	-52 11 35.70	0.001	12	0.82	54.093	63	03.3	35.76	57	03.3	A2	CZ	7908	P -51 2715
41	9.9	9.8W	50 56.095	-0.0038	07	-55 48 55.12	0.035	07	0.18	56.141	15	38.2	55.54	18	38.2	F0	C9	3682	P -55 2619
42		8.2T	50 57.410	-0.0019	13	-55 13 4.48	-0.006	11	0.64	57.507	19	01.5	4.18	18	98.1	B8	GC	13604	P*-54 2808
43	10.2E	9.5Z	50 58.138	0.0091	12	-50 50 39.03	-0.059	12	0.71	57.710	45	03.2	36.25	45	03.2		CZ	7909	P -50 2824
44	9.4E	9.0Z	51 1.754	-0.0017	12	-50 48 14.96	-0.003	12	0.71	1.832	45	03.2	14.81	45	03.2	A2	CZ	7910	P -50 2827
45	9.6E	8.5Z	51 6.788	-0.0020	12	-51 15 41.28	-0.016	12	0.82	6.880	63	03.3	40.52	57	03.3	K5	CZ	7912	P -50 2829
46	7.9E	8.2Z	51 11.743	-0.0019	12	-51 52 24.20	-0.005	12	0.82	11.831	63	03.3	23.94	57	03.3	G5	CZ	7916	P -51 2722
47	9.1	9.4W	51 14.627	-0.0010	07	-53 58 17.61	0.001	07	0.18	14.638	15	38.2	17.63	18	38.2	B9	C9	3684	P -53 2984
48		6.7T	51 17.395	-0.0022	12	-55 8 13.17	-0.001	09	0.57	17.514	19	01.2	13.13	19	95.2	B0	GC	13612	P*-54 2816
49	9.4	9.2W	51 20.297	-0.0027	07	-52 38 38.79	0.019	07	0.18	20.329	15	38.2	39.02	18	38.2	F2	C9	3686	P -52 2911
50	10.0E	9.5Z	51 20.873	0.0022	12	-51 41 31.73	-0.016	12	0.82	20.771	63	03.3	30.98	57	03.3		CZ	7922	P -51 2727
51	8.7E	8.5Z	9 51 20.882	-0.0027	12	-50 41 47.71	-0.039	12	0.71	21.006	45	03.2	45.87	45	03.2	F8	CZ	7920	P -50 2834
52	9.8E	8.5Z	51 25.186	-0.0015	12	-51 50 18.46	-0.011	12	0.82	25.257	63	03.3	17.96	57	03.3	K2	CZ	7924	P -51 2730
53	8.1E	8.5Z	51 30.402	-0.0002	12	-51 38 8.48	-0.009	12	0.82	30.412	63	03.3	8.05	57	03.3	B8	CZ	7928	P -51 2731
54	9.6	9.5W	51 31.280	-0.0008	07	-56 56 25.92	-0.044	07	0.14	31.283	14	46.3	25.76	14	46.3	F0	C0	2764	P -56 2608
55	10.1E	9.7Z	51 33.869	-0.0025	12	-51 16 11.71	-0.009	12	0.82	33.984	63	03.3	11.28	57	03.3	A2	CZ	7929	P -50 2839
56	9.9E	9.6Z	51 34.299	-0.0035	12	-51 16 2.52	0.004	12	0.82	34.460	63	03.3	2.69	57	03.3	A2	CZ	7930	P -50 2839
57	10.0E	8.5Z	51 37.255	-0.0045	12	-51 29 42.59	0.016	12	0.82	37.463	63	03.3	43.32	57	03.3	K0	CZ	7931	P -51 2736
58	8.8	8.6W	51 38.159	-0.0008	06	-58 25 1.66	0.001	06	0.14	38.161	14	46.3	1.66	14	46.3	F2	C0	2765	P -58 1684
59	9.8E	9.5Z	51 38.758	-0.0021	12	-51 19 46.15	-0.010	12	0.82	38.855	63	03.3	45.67	57	03.3		CZ	7932	P -50 2841
60	8.0	8.1W	51 42.030	0.0010	07	-54 3 9.94	-0.001	07	0.18	42.018	15	38.2	9.93	18	38.2	B8	C9	3687	P -53 2994
61	10.0E	9.5*	51 43.950	-0.0024	12	-50 23 14.01	-0.009	12	0.65	44.066	31	01.8	13.56	28	01.8	A0	CZ	7935	P -50 2843
62	9.7	9.8W	51 49.758	-0.0009	07	-53 37 39.40	0.002	07	0.18	49.768	15	38.2	39.43	18	38.2	A5	C9	3688	P -53 2996
63	8.5	8.5W	51 50.782	-0.0014	07	-53 10 11.46	0.005	07	0.18	50.799	15	38.2	11.52	18	38.2	F0	C9	3689	P -52 2918
64		6.0T	51 59.958	-0.0009	07	-50 54 36.57	-0.012	06	0.32	59.994	14	07.9	36.02	12	03.3	B3	GC	13629	C*-50 4622
65	9.5	9.7W	52 0.921	-0.0008	15	-55 45 39.92	-0.007	15	0.24	0.931	15	38.2	39.83	18	38.2	A0	C9	3690	P -55 2634
66	9.6E	9.0Z	52 1.932	-0.0017	12	-51 23 39.75	0.005	12	0.82	2.010	63	03.3	39.97	57	03.3	F5	CZ	7940	P -51 2744
67	9.1	9.3W	52 11.931	-0.0015	07	-54 33 30.43	0.000	07	0.18	11.948	15	38.2	30.44	18	38.2	A2	C9	3691	P -54 2840
68	7.9	8.2W	52 13.936	-0.0011	06	-54 36 39.86	0.015	06	0.18	13.948	15	38.2	40.04	18	38.2	B8	C9	3692	P -54 2842
69		9.5T	52 17.812	-0.0000	12	-57 22 53.27	-0.013	12	0.57	17.812	18	06.2	52.72	18	06.3	B9	GC	13635	P -57 2409
70	9.1E	8.5Z	52 19.945	-0.0014	12	-51 31 14.80	-0.009	12	0.82	20.011	63	03.3	14.37	57	03.3	G5	CZ	7946	P -51 2750
71		9.2T	52 21.722	-0.0025	13	-57 24 34.98	0.000	12	0.58	21.830	18	06.7	34.99	18	06.9	A0	GC	13639	P -57 2410
72	9.7		52 25.913	0.0004	07	-54 51 41.15	0.033	07	0.18	25.909	15	38.2	41.54	18	38.2	A0	C9	3693	P -54 2846
73	9.5	9.7W	52 33.253	-0.0047	07	-52 45 1.42	-0.034	07	0.18	33.309	15	38.2	1.02	18	38.2	A0	C9	3694	P -52 2926
74	9.6	9.6W	52 35.786	-0.0063	07	-56 7 53.71	-0.049	07	0.18	35.861	15	38.2	53.13	18	38.2	A2	C9	3695	P -55 2647
75	9.3	9.6W	52 38.859	0.0023	15	-55 23 14.31	0.036	15	0.24	38.832	15	38.2	14.73	18	38.2	A0	C9	3696	P*-55 2648
76	9.9E	9.5Z	52 43.622	-0.0023	12	-50 37 55.14	-0.016	12	0.71	43.728	45	03.2	54.37	45	03.2		CZ	7953	P -50 2858
77	9.9E	8.8Z	52 43.675	-0.0031	12	-50 1 11.74	-0.014	12	0.72	43.822	45	02.7	11.06	45	02.7	K2	CZ	7952	P -49 2907
78	9.8E	9.4Z	52 49.509	-0.0012	12	-51 17 58.66	-0.003	12	0.82	49.563	63	03.3	58.50	57	03.3	A5	CZ	7957	P -50 2861
79	9.4	9.8W	52 55.190	-0.0032	09	-58 22 20.86	-0.000	09	0.14	55.201	14	46.3	20.86	14	46.3	B8	C0	2768	P -58 1693
80		6.7T	52 56.908	0.0009	12	-58 11 1.77	0.010	09	0.56	56.863	19	02.9	2.27	18	98.1	B5	GC	13654	P -57 2418
81	10.5E	9.9Z	52 59.102	-0.0026	12	-51 51 7.05	-0.010	12	0.82	59.225	63	03.3	6.60	57	03.3		CZ	7960	P -51 2761
82	9.3	9.2W	52 59.211	-0.0032	07	-56 55 59.31	-0.015	07	0.14	59.223	14	46.3	59.26	14	46.3	B3	C0	2770	P -56 2635
83		5.9T	52 59.523	-0.0034	08	-50 0 23.61	0.010	05	0.31	59.662	14	09.3	24.09	12	02.4	A0	GC	13655	C -49 4801
84	10.5E	10.4Z	53 0.530	-0.0015	12	-51 51 7.34	-0.015	12	0.82	0.602	63	03.3	6.66	57	03.3		CZ	7961	P -51 2761
85	8.3	8.4W	53 3.097	0.0016	06	-54 54 33.94	0.000	06	0.18	3.078	15	38.2	33.94	18	38.2	A0	C9	3697	P -54 2862
86	10.2	9.1W	53 5.514	0.0013	07	-53 14 21.57	-0.005	07	0.18	5.499	15	38.2	21.52	18	38.2	F8	C9	3698	P -52 2934
87	9.4	9.4W	53 8.092	-0.0031	06	-52 24 17.90	-0.015	06	0.18	8.129	15	38.2	17.72	18	38.2	A5	C9	3699	P -52 2933
88	9.0E	9.0Z	53 9.064	-0.0019	12	-50 34 55.75	-0.021	12	0.71	9.151	45	03.2	54.75	45	03.2	A0	CZ	7964	P -50 2864
89	9.2E	8.5Z	53 9.094	-0.0014	12	-50 45 36.70	-0.003	12	0.71	9.158	45	03.2	36.54	45	03.2	K2	CZ	7966	P -50 2865
90	8.9	9.3W	53 12.501	-0.0051	07	-59 1 48.79	-0.008	07	0.14	12.519	14	46.3	48.76	14	46.3	B5	C0	2771	P -58 1697
91		8.4T	53 14.399	0.0006	12	-57 29 24.61	-0.013	11	0.56	14.370	19	04.0	23.98	18	00.5	QC	GC	13663	P -57 2420
92		8.6T	53 14.643	0.0007	14	-58 48 52.07	0.000	11	0.63	14.606	21	04.8	52.09	19	01.4	F0	GC	13664	P -58 1699
93	9.9	9.0W	53 16.012	-0.0031	07	-54 9 5.12	0.009	07	0.18	16.049	15	38.2	5.23	18	38.2	K0	C9	3700	P -53 3024
94	9.5	9.6W	53 16.905	-0.0019	07	-58 27 31.36	-0.000	07	0.14	16.912	14	46.3	31.36	14	46.3	F0	C0	2774	P -58 1700
95	9.0	9.1W	53 23.538	-0.0010	07	-58 13 48.03	-0.020	07	0.14	23.542	14	46.3	47.96	14	46.3	A2	C0	2775	P -57 2424
96	9.0	9.5W	53 24.424	-0.0037	07	-59 35 32.02	0.010	07	0.14	24.438	14	46.3	32.06	14	46.3	B5	C0	2776	P -59 1528
97		6.8T	53 26.590	-0.0030	18	-57 8 44.67	-0.021	14	0.77	26.731	22	06.0	43.70	21	03.2	B9	GC	13671	P -56 2646
98	9.6	9.7W	53 32.231	-0.0009	07	-55 16 42.90	0.003	07	0.18	32.242	15	38.2	42.94	18	38.2	A3	C9	3701	P -54 2873
99	9.8		53 35.432	0.0003	15	-53 48 33.49	0.020	15	0.24	35.428	15	38.2	33.73	18	38.2	A0	C9	3702	P*-53 3032
00	7.7	8.0W	53 41.701	0.0009	07	-56 3 36.08	-0.021	07	0.18	41.690	15	38.2	35.83	18	38.2	A0	C9	3703	P -55 2666

237500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 9H DM NUMBER
1	8.4	8.5W	9 53 50.260	-0.0041	08	-52 4 6.75	0.015	08	0.19	50.309	15	38.2	6.92	18	38.2	A3	C9	3704	P -51 2778
2	9.4	8.1W	53 51.963	-0.0055	06	-56 41 53.68	0.022	06	0.14	51.983	14	46.3	53.76	14	46.3	K0	CD	2778	P -56 2658
3		7.6T	53 56.626	-0.0015	13	-58 30 10.54	0.012	10	0.55	56.693	19	07.2	11.11	18	04.2	A0	GC	13683	P -58 1707
4	7.8	7.9W	54 4.176	-0.0011	06	-52 44 28.06	-0.012	06	0.18	4.189	15	38.2	27.92	18	38.2	B5	C9	3705	P -52 2955
5	9.0	9.2W	54 5.906	-0.0002	08	-52 3 21.84	-0.001	08	0.19	5.909	15	38.2	21.82	18	38.2	A0	C9	3706	P -51 2784
6		7.1T	54 6.117	-0.0022	13	-58 52 7.98	0.002	10	0.57	6.221	19	05.0	8.10	18	01.9	B8	GC	13690	P -58 1709
7	9.3	8.0W	54 11.853	0.0004	07	-53 49 40.08	-0.013	07	0.18	11.848	15	38.2	39.93	18	38.2	K2	C9	3708	P -53 3045
8	9.5	9.7W	54 13.384	-0.0046	15	-53 17 55.69	0.002	15	0.24	13.439	15	38.2	55.72	18	38.2	A0	C9	3709	P -52 2962
9	9.3E	9.0Z	54 21.951	-0.0002	12	-51 1 34.25	-0.000	12	0.71	21.958	45	03.2	34.24	45	03.2		CZ	7986	P -50 2885
10	10.0E	9.8Z	54 23.025	-0.0029	12	-50 50 23.78	-0.004	12	0.71	23.159	45	03.2	23.58	45	03.2		CZ	7987	P -50 2886
11		6.8T	54 26.940	-0.0014	14	-53 22 53.08	-0.015	12	0.69	27.010	26	01.0	52.35	19	59.6	B8	GC	13696	P -53 3052
12	8.7	8.8W	54 30.134	-0.0014	06	-55 40 7.03	-0.025	06	0.18	30.150	15	38.2	6.73	18	38.2	A3	C9	3711	P -55 2881
13	9.3	9.0W	54 30.805	0.0005	07	-57 15 20.41	0.040	07	0.14	30.803	14	46.3	20.56	14	46.3	F8	CD	2781	P -56 2673
14		6.5T	54 31.259	0.0004	07	-51 5 52.47	-0.014	05	0.30	31.241	14	59.0	51.79	12	01.1	B3	GC	13698	C+-50 2662
15	7.8E	7.8Z	54 48.860	-0.0012	12	-51 35 35.18	-0.006	12	0.66	48.917	31	01.2	34.89	31	01.2	A0	CZ	7994	P -51 2796
16	7.9	8.5W	54 51.368	-0.0009	07	-54 10 50.19	-0.006	07	0.18	51.378	15	38.2	50.13	18	38.2	B9	C9	3712	P -53 3068
17	9.8	9.5W	54 52.661	-0.0057	06	-53 3 54.10	0.035	06	0.18	52.729	15	38.2	54.52	18	38.2	F8	C9	3713	P -52 2970
18	9.3	9.6W	54 56.382	0.0006	07	-58 41 17.70	-0.011	07	0.14	56.380	14	46.3	17.66	14	46.3	A0	CD	2782	P -58 1713
19		8.0T	54 59.083	-0.0020	17	-54 50 40.74	-0.005	11	0.70	59.174	22	05.0	40.51	19	99.6	A3	GC	13707	P -54 2909
20	9.7E	9.6Z	55 0.844	-0.0008	12	-50 32 31.10	-0.012	12	0.71	0.880	45	03.2	30.52	45	03.2		CZ	7996	P -50 2896
21		7.4T	55 5.716	-0.0014	17	-57 24 58.24	0.003	17	0.75	5.776	21	07.6	58.38	21	07.3	B9	GC	13710	P -57 2451
22		3.7H	55 6.249	-0.0014	03	-54 19 44.86	0.005	02	0.10	6.298	05	13.4	45.04	05	10.6	B5	F4	375	P -53 3075
23	9.4	9.3W	55 9.023	-0.0045	07	-58 34 13.66	-0.000	07	0.14	9.040	14	46.3	13.66	14	46.3	F0	CD	2784	P -58 1714
24	9.1	9.4W	55 12.478	-0.0065	13	-58 16 18.37	0.025	13	0.15	12.502	14	46.3	18.46	14	46.3	A0	CD	2785	P -57 2454
25	8.5	8.3W	55 20.742	0.0001	07	-55 48 29.37	-0.020	07	0.18	20.741	15	38.2	29.13	18	38.2	B8	C9	3716	P -55 2704
26		6.1T	55 22.015	-0.0013	10	-52 24 0.35	-0.004	06	0.37	22.069	14	09.3	0.15	12	02.3	B3	GC	13718	P+-52 2980
27	9.5	9.5W	55 22.833	-0.0048	07	-56 5 47.96	-0.036	07	0.18	22.890	15	38.2	47.53	18	38.2	F0	C9	3718	P -55 2706
28	9.9E	9.2W	55 34.449	-0.0057	12	-50 27 57.55	-0.009	12	0.65	34.724	31	01.9	57.11	28	01.9		CZ	8007	P -50 2904
29	9.6	9.7W	55 36.977	0.0007	07	-53 11 40.38	-0.005	07	0.18	36.969	15	38.2	40.32	18	38.2	A2	C9	3719	P -52 2989
30	9.8E	9.0Z	55 41.450	-0.0045	12	-50 45 7.35	-0.004	12	0.66	41.659	36	03.2	7.16	36	03.2		CZ	8011	P -50 2907
31	9.0E	8.5Z	55 42.735	0.0007	12	-51 40 43.82	-0.006	12	0.82	42.703	63	03.3	43.52	57	03.3	K0	CZ	8015	P -51 2808
32	9.0	9.4W	55 43.084	-0.0055	07	-54 8 36.85	0.006	07	0.18	43.148	15	38.2	36.93	18	38.2	B9	C9	3720	P -53 3094
33		7.9T	55 56.044	0.0007	14	-56 37 30.07	-0.001	12	0.66	56.012	21	03.9	30.03	21	02.8	A2	GC	13730	P -56 2694
34	9.6	9.3W	55 58.391	-0.0371	07	-54 9 56.70	0.214	07	0.18	58.828	15	38.2	59.23	18	38.2	F8	C9	3721	P -53 3099
35	9.8	8.9W	55 59.813	-0.0022	06	-52 34 45.05	-0.011	06	0.18	59.839	15	38.2	44.92	18	38.2	G5	C9	3722	P -52 2993
36	9.4	9.7W	56 2.456	-0.0070	15	-54 40 50.63	0.000	15	0.24	2.538	15	38.2	50.64	18	38.2	B9	C9	3723	P -54 2937
37	8.6	9.1W	56 4.863	-0.0018	07	-59 28 30.60	-0.011	07	0.14	4.869	14	46.3	30.56	14	46.3	B9	CD	2788	P -59 1551
38	9.7	9.7W	56 7.700	0.0010	15	-53 32 32.59	0.003	15	0.24	7.668	15	38.2	32.63	18	38.2	B8	C9	3724	P -53 3104
39	8.2	8.4W	56 8.770	-0.0012	06	-56 17 43.03	0.004	06	0.14	8.775	14	46.3	43.05	14	46.3	A2	CD	2789	P -55 2723
40	9.9E	9.8Z	56 8.827	-0.0005	12	-50 35 2.15	-0.003	12	0.71	8.848	45	03.3	1.99	45	03.3		CZ	8022	P -50 2914
41	8.3	8.2W	56 9.236	-0.0074	07	-57 9 55.96	-0.001	07	0.14	9.263	14	46.3	55.96	14	46.3	F0	CD	2790	P -56 2703
42	7.8	8.1W	56 12.158	0.0008	07	-52 39 13.94	-0.010	07	0.18	12.149	15	38.2	13.82	18	38.2	B8	C9	3725	P -52 2996
43	10.2		56 16.064	-0.0021	14	-51 55 21.04	-0.001	14	0.23	16.089	15	38.2	21.02	18	38.2	B5	C9	3726	P -51 2824
44	8.5	8.9W	56 17.122	-0.0035	07	-55 55 55.65	-0.000	07	0.14	17.135	14	46.3	55.65	14	46.3	B8	CD	2791	P -55 2725
45	9.0E	8.5Z	56 18.513	-0.0001	12	-50 48 42.77	-0.013	12	0.71	18.516	45	03.3	42.15	45	03.5	F0	CZ	8025	P -50 2915
46	8.6	8.9W	56 19.987	0.0006	07	-55 49 46.20	-0.005	07	0.18	19.980	15	38.2	46.14	18	38.2	A0	C9	3728	P -55 2727
47	8.7	9.0W	56 21.970	-0.0053	07	-58 50 49.85	0.002	07	0.14	21.989	14	46.3	49.86	14	46.3	B8	CD	2792	P -58 1738
48	9.5	9.8W	56 23.768	-0.0010	07	-56 5 32.30	-0.031	07	0.18	23.761	15	38.2	31.93	18	38.2	A0	C9	3729	P -55 2729
49	8.1I		56 27.374	-0.0020	15	-58 37 18.96	0.013	12	0.62	27.463	17	07.8	19.57	17	04.7	M6	GC	13736X	P+-58 1739
50	11.0		56 30.138	-0.0001	07	-53 4 34.03	-0.001	07	0.18	30.139	15	38.2	34.02	18	38.2	K0	C9	3730	P -52 3000
51	9.4	9.0W	9 56 33.262	-0.0014	07	-54 44 7.00	0.003	07	0.18	33.278	15	38.2	7.04	18	38.2	F8	C9	3731	P -54 2951
52	8.8E	8.5Z	56 45.374	-0.0010	12	-50 45 11.51	-0.009	12	0.65	45.420	31	02.0	11.06	28	02.0	A0	CZ	8028	P -50 2924
53	8.6	9.0W	56 46.300	-0.0036	07	-57 29 6.10	0.017	07	0.14	46.313	14	46.3	6.16	14	46.3	B9	CD	2794	P -57 2486
54	8.1	8.5W	56 46.563	-0.0012	06	-59 48 29.32	0.011	06	0.14	46.568	14	46.3	29.36	14	46.3	B9	CD	2795	P -59 1565
55	9.8	9.7W	56 59.942	-0.0048	13	-52 54 20.54	-0.019	13	0.23	59.999	15	38.2	20.32	18	38.2	A0	C9	3732	P -52 3010
56	9.8E	9.0Z	57 0.809	-0.0032	12	-51 35 24.43	0.003	12	0.82	0.960	63	03.3	24.56	57	03.3	K0	CZ	8035	P -51 2837
57	10.3		57 7.239	-0.0101	07	-53 3 42.40	-0.007	07	0.18	7.359	15	38.2	42.32	18	38.2	G0	C9	3733	P -52 3016
58	9.2	9.6W	57 7.248	-0.0031	06	-58 31 14.17	-0.002	06	0.14	7.260	14	46.3	14.16	14	46.3	B8	CD	2796	P -58 1750
59	9.4	9.7W	57 10.085	-0.0035	06	-59 51 0.95	0.001	06	0.14	10.098	14	46.3	0.96	14	46.3	A2	CD	2652	P -59 1572
60	9.9	9.0W	57 14.676	0.0006	08	-52 0 56.73	-0.009	08	0.19	14.669	15	38.2	56.62	18	38.2	K0	C9	3734	P -51 2846
61	9.4	9.5W	57 18.679	0.0013	06	-56 14 6.54	0.003	06	0.14	18.675	14	46.3	6.55	14	46.3	A2	CD	2798	P -55 2751
62	9.3	9.3W	57 26.987	-0.0048	07	-56 4 55.83	0.005	07	0.14	27.004	14	46.3	55.85	14	46.3	A2	CD	2799	P -55 2756
63	9.4	9.8W	57 32.116	-0.0042	07	-58 0 20.44	0.006	07	0.14	32.132	14	46.3	20.46	14	46.3	A	CD	2800	P -57 2508
64		7.2T	57 33.649	-0.0030	11	-57 53 18.12	-0.007	09	0.49	33.791	18	04.4	17.77	17	02.7	B9	GC	13754	P -57 2510
65	9.3	9.1W	57 35.901	-0.0030	07	-57 39 2.66	0.001	07	0.14	35.912	14	46.3	2.66	14	46.3	F0	CD	2802	P -57 2512
66	9.2E	9.0Z	57 37.014	-0.0013	12	-50 9 53.92	-0.030	12	0.72	37.076	45	02.8	52.49	45	02.8	A2	CZ	8050	P -49 2991
67	8.6E	8.8W	57 42.681	-0.0029	12	-50 12 28.24	-0.021	12	0.65	42.822	31	01.6	27.21	28	01.6	A0	CZ	8052	P -49 2992
68	9.0	9.4W	57 50.931	-0.0032	07	-56 50 49.13	0.008	07	0.14	50.943	14	46.3	49.16	14	46.3	B8	CD	2803	P -56 2730
69	9.5	9.3W	57 52.015	-0.0054	07	-52 58 51.17	-0.004	07	0.18	52.079	15	38.2	51.12	18	38.2	F2	C9	3736	P -52 3029
70	9.2	9.0W	57 56.958	-0.0020	07	-55 7 22.96	0.032	07	0.18	56.982	15	38.2	23.33	18	38.2	A3	C9	3737	P -54 2906
71	9.8E	9.0Z	57 59.494	-0.0009	12	-51 36 34.10	-0.003	12	0.82	59.537	63	03.3	33.95	57	03.3	K0	CZ	8059	P -51 2868
72	9.4	9.8W	58 4.536	-0.0014	06	-58 29 40.50	-0.012	06	0.14	4.542	14	46.3	40.46	14	46.3	B9	CD	2804	P -58 1763
73	9.7	9.7W	58 4.879	-0.0008	07	-52 19 43.53	0.017	07	0.18	4.889	15	38.2	43.72	18	38.2	F0	C9	3738	P -51 2871
74	8.4	8.7W	58 8.296	-0.0035	07	-59 2 0.57	-0.003	07	0.14	8.309	14	46.3	0.56	14	46.3	A0	CD	2805	P -58 1766
75	10.1		58 21.294	-0.0055	13	-52 45 54.58	-0.014	13	0.23	21.359	15	38.2	54.42	18	38.2	B9	C9	3739	P -52 3039
76	9.7E	9.5Z	58 27.368	-0.0014	12	-51 27 53.38	-0.012	12	0.66	27.434	31	01.3	52.78	31	01.3	A2	CZ	8069	P -51 2879
77	9.3	9.1W	58 27.685	-0.0037	06	-53 35 34.79	0.028	06	0.18	27.728	15	38.2	35.13	18	38.2	F2	C9	3740	P -53 3164
78	9.4	9.3W	58 32.887	-0.0044	06	-53 3 0.39	0.019	06	0.18	32.939	15	38.2	0.62	18	38.2	F2	C9	3741	P -52 3047
79	9.3	9.6W	58 38.644	-0.0015	13	-59 18 38.29	-0.009	13	0.15	38.649	14	46.3	38.26	14	46.3	B9	CD	2806	P -58 1778
80	8.3	8.0W	58 40.525	0.0015	06	-58 46 11.94	-0.131	06	0.14	40.519	14	46.3	11.46	14	46.3	G0	CD	2807	P -58 1779
81	8.8E	8.9Z	58 42.390	0.0012	12	-50 50 59.13	-0.043	12	0.71	42.333	45	03.3	57.11	45	03.3	K0	CZ	8071	P -50 2950
82	7.9	8.2W	58 43.683	-0.0024	07	-57 48 56.70	-0.011	07	0.14	43.692	14	46.3	56.66	14	46.3	A0	CD	2808	P -57 2534
83	9.2E	8.5Z	58 45.068	-0.0030	12	-50 7 36.04	-0.049	12	0.72	45.211	45	02.8	33.71	45	02.8	G5	CZ	8073	P -49 3008
84	8.7	8.8W	58 45.240	-0.0021	07	-59 45 25.36	-0.000	07	0.14	45.248	14	46.3	25.36	14	46.3	B9	CD	2809	P -59 1609
85	9.3	7.8W	58 47.815	-0.0013	06	-58 32 14.95	0.004	06	0.14	47.820	14	46.3	14.96	14	46.3	K2	CD	2810	P -58 1781
86		6.4T	58 52.265	-0.0078	13	-56 42 20.36	0.006	10	0.61	52.663	21	03.7	20.68	19	99.1	G5	GC	13772	P -56 2746
87	8.2	8.5W	58 52.972	-0.0017	07	-59 45 5.03	0.008	07	0.14	52.978	14	46.3	5.06	14	46.3	B9	CD	2812	P -59 1614
88	8.4	8.7W	58 57.707	-0.0007	11	-59 23 39.26	0.001	11	0.15	57.709	14	46.3	39.26	14	46.3	B8	CD	2813	P+-59 1616
89	9.6	9.1W	58 59.564	0.0004	07	-52 53 5.53	-0.094	07	0.18	59.559	15	38.2	4.42	18	38.2	G0	C9	3742	P -52 3063
90	10.3E	9.0Z	59 0.579	-0.0045	12	-51 27 33.17	0.014	12	0.82	0.787	63	03.3	33.81	57	03.3		CZ	8080	P -51 2890
91	11.6E	9.8H	59 0.871	-0.0022	12	-51 27 47.95	-0.022	12	0.82	0.972	63	03.3	46.91	57	03.3		CZ	8081	P -51 2890
92		7.2T	59 5.178	-0.0006	11	-50 14 12.10	-0.002	09	0.59	5.210	21	96.4	11.99	18	90.1	B5	GC	13776	C -49 4876
93	8.9	9.3W	59 14.172	-0.0027	07	-57 52 21.78	-0.005	07	0.14	14.182	14	46.3	21.76	14	46.3	B9	CD	2814	P -57 2540
94	8.9	8.9W	59 15.172	-0.0027	07	-58 29 53.74	0.007	07	0.14	15.182	14	46.3	53.76	14	46.3	F0	CD	2815	P -58 1793
95	9.5	9.7W	59 17.728	-0.0046	13	-56 14 44.84	0.030	13	0.15	17.745	14	46.3	44.95	14	46.3	A	CD	2816	P -55 2791
96		7.8Q	59 18.729	-0.0008	10	-59 59 7.15	-0.022	10	0.54	18.769	18	99.1	6.02	17	98.2	K0	GC	13780	P -59 1632
97	9.2	9.5W	59 21.074	-0.0005	07	-56 2 45.32	-0.024	07	0.18	21.080	15	38.2	45.03	18	38.2	A0	C9	3743	P -55 2792
98	9.7	8.9W	59 21.255	-0.0011	11	-59 10 57.20	0.018	11	0.15	21.259	14	46.3	57.26	14	46.3	K0	CD	2816	P -58 1796
99	8.3	8.7W	59 21.304	-0.0010	06	-59 43 55.51	-0.015	06	0.14	21.308	14	46.3	55.46	14	46.3	B9	CD	2819	P -59 1633
00	8.8	9.3W	59 25.370	-0.0017	06	-55 45 11.23	-0.008	06	0.18	25.390	15	38.2	11.13	18	38.2	B9	C9	3744	P -55 2793

237600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 9H DM NUMBER
1	9.8E	8.8Z	9 59 26.430	-0.0037	12	-51 2 52.61	-0.005	12	0.65	26.606	31	02.0	52.35	28	02.0	G	CZ	8087	P -50 2962
2	9.2	9.2W	59 26.988	-0.0028	07	-55 20 6.98	0.013	07	0.18	27.022	15	38.2	9.13	18	38.2	A2	C9	3745	P -54 3021
3		6.6T	59 27.787	-0.0036	10	-55 51 19.00	0.000	09	0.49	27.968	18	06.0	19.01	18	99.9	B8	GC	13784K	P*-55 2794
4	9.7	8.5W	59 29.066	-0.0028	07	-54 28 34.52	0.000	07	0.18	29.098	15	38.2	34.53	18	38.2	K2	C9	3747	P -54 3020
5	8.1	8.5W	59 29.119	-0.0027	07	-59 29 33.02	-0.017	07	0.14	29.129	14	46.3	32.96	14	46.3	B9	CO	2820	P -59 1638
6	8.3	8.1W	59 30.869	-0.0069	07	-56 25 38.11	-0.043	07	0.14	30.895	14	46.3	37.95	14	46.3	G0	CO	2821	P -56 2758
7	8.9	9.3W	59 37.411	-0.0050	07	-58 44 36.32	-0.016	07	0.14	37.429	14	46.3	36.26	14	46.3	B8	CO	2822	P -58 1799
8	8.4	8.6W	59 37.512	-0.0007	07	-56 13 48.54	0.003	07	0.14	37.514	14	46.3	48.55	14	46.3	B9	CO	2823	P -55 2798
9	10.0	9.2W	59 41.126	-0.0011	07	-53 13 35.48	0.020	07	0.18	41.139	15	38.2	35.72	18	38.2	G5	C9	3748	P -52 3081
10	9.3	9.3W	59 43.896	0.0009	07	-56 55 58.40	-0.039	07	0.14	43.893	14	46.3	58.26	14	46.3	A5	CO	2824	P -56 2764
11	9.6	9.9W	59 44.798	-0.0027	07	-55 53 44.75	-0.001	07	0.18	44.830	15	38.2	44.74	18	38.2	A0	C9	3749	P -55 2803
12		6.5T	59 51.402	-0.0042	11	-53 7 21.62	-0.019	08	0.54	51.608	21	01.4	20.54	18	94.6	B5	GC	13792	P*-52 3087
13	9.2	8.8W	59 53.536	0.0004	07	-55 14 37.75	0.050	07	0.18	53.532	15	38.2	38.34	18	38.2	F5	C9	3751	P -54 3034
14	9.2E	8.5H	10 0 0.083	-0.0008	12	-50 31 12.13	-0.011	12	0.65	0.120	31	02.0	11.58	28	02.0	K5	CZ	8097	P -50 2973
15	9.1	9.5W	0 2.474	-0.0014	06	-55 47 7.37	-0.011	06	0.18	2.491	15	38.2	7.23	18	38.2	A0	C9	3752	P -55 2809
16	8.5	8.7W	0 4.408	-0.0009	07	-53 57 51.00	0.002	07	0.18	4.418	15	38.2	51.03	18	38.2	B3	C9	3753	P -53 3193
17		8.3T	0 5.667	0.0011	15	-59 52 15.98	0.007	12	0.65	5.614	21	05.5	16.33	18	02.2	B9	GC	13797	P -59 1672
18	8.3	8.3W	0 7.886	-0.0011	07	-52 45 50.47	-0.005	07	0.18	7.899	15	38.2	50.42	18	38.2	B5	C9	3754	P -52 3097
19		7.9T	0 9.481	-0.0034	13	-54 45 41.32	-0.002	11	0.62	9.645	21	02.1	41.24	19	97.5	B8	GC	13799	P -54 3041
20		8.3W	0 15.385	-0.0007	07	-59 44 24.70	-0.011	07	0.14	15.388	14	46.3	24.66	14	46.3	B9	CO	2826	P -59 1683
21		6.1T	0 15.975	-0.0050	11	-57 6 29.24	0.025	08	0.53	16.257	19	01.0	30.66	18	93.7	K0	GC	13803	P -56 2770
22		7.6T	0 18.805	0.0071	12	-54 44 23.02	-0.027	10	0.55	18.499	18	06.8	21.73	18	01.4	K0	GC	13805	P -54 3043
23		9.6T	0 21.076	0.0010	36	-59 50 8.56	0.013	22	1.20	21.034	21	10.8	9.10	21	09.4	A	GC	13808K	P*-59 1686
24	9.9	8.7W	0 25.253	-0.0005	07	-52 34 39.79	-0.006	07	0.18	25.259	15	38.2	39.72	18	38.2	K0	C9	3757	P -52 3108
25	9.3	9.3W	0 31.939	-0.0025	07	-54 34 52.05	0.016	07	0.18	31.968	15	38.2	52.24	18	38.2	A3	C9	3758	P -54 3045
26	8.0	8.4W	0 32.241	-0.0032	06	-57 27 40.82	0.011	06	0.14	32.253	14	46.3	40.86	14	46.3	B8	CO	2829	P -57 2558
27	7.3	7.7W	0 43.862	-0.0023	07	-52 54 22.53	-0.001	07	0.18	43.889	15	38.2	22.52	18	38.2	B3	C9	3760	P -52 3120
28	8.5	8.7W	0 46.941	-0.0038	06	-55 57 51.17	-0.005	06	0.14	46.955	14	46.3	51.15	14	46.3	A2	CO	2830	P -55 2823
29		7.3T	0 50.448	-0.0012	12	-56 0 53.11	-0.010	10	0.59	50.512	21	02.4	52.60	19	97.3	G5	GC	13813	P -55 2826
30	8.4	8.7W	0 54.817	-0.0001	07	-59 38 35.72	0.011	07	0.14	54.818	14	46.3	35.76	14	46.3	B9	CO	2831	P -59 1724
31	8.2	8.6W	1 11.189	0.0002	06	-59 42 57.74	0.005	06	0.14	11.188	14	46.3	57.76	14	46.3	A0	CO	2832	P -59 1740
32	9.1	9.4W	1 12.883	-0.0018	11	-59 2 22.17	-0.003	11	0.15	12.889	14	46.3	22.16	14	46.3	A2	CO	2833	P -58 1831
33	8.8	9.2W	1 13.640	-0.0016	07	-54 18 58.14	-0.010	07	0.18	13.658	15	38.2	58.03	18	38.2	B2	C9	3763	P -53 3218
34	9.3	9.4W	1 14.134	-0.0056	07	-55 45 49.21	0.036	07	0.18	14.200	15	38.2	49.64	18	38.2	A0	C9	3764	P -55 2832
35		8.9T	1 15.881	0.0012	17	-58 35 17.35	-0.024	14	0.69	15.827	19	07.9	16.29	19	06.7	B8	GC	13824	P -58 1832
36	9.2	9.4W	1 16.470	-0.0018	07	-55 28 30.91	0.044	07	0.18	16.491	15	38.2	31.43	18	38.2	A3	C9	3765	P -55 2834
37		8.6T	1 17.315	-0.0022	22	-51 49 2.17	-0.013	18	0.95	17.413	24	05.9	1.59	22	03.4	A0	GC	13825K	C -51 4435
38		7.6T	1 19.013	-0.0033	17	-51 48 15.32	-0.032	11	0.73	19.173	19	02.0	16.99	18	97.3	A2	GC	13828K	C -51 4436
39	10.3		1 19.340	-0.0024	14	-52 1 21.26	-0.011	14	0.23	19.369	15	38.2	21.12	18	38.2	A0	C9	3766	P -51 2926
40		6.0T	1 23.296	-0.0015	09	-59 56 10.29	0.002	07	0.43	23.377	17	00.4	10.41	15	94.8	A5	GC	13834	P -59 1752
41	8.4	8.1W	1 24.954	-0.0021	06	-58 22 11.30	0.044	06	0.14	24.961	14	46.3	11.46	14	46.3	F5	CO	2836	P -58 1839
42	11.3		1 28.513	-0.0081	14	-52 35 39.34	-0.002	14	0.23	28.609	15	38.2	39.32	18	38.2		C9	3767	P -52 3134
43	9.6	8.8W	1 28.993	-0.0025	07	-57 51 22.86	-0.000	07	0.14	29.002	14	46.3	22.86	14	46.3	G0	CO	2837	P -57 2584
44	9.3	9.5W	1 29.340	-0.0036	07	-56 37 18.97	-0.004	07	0.14	29.353	14	46.3	18.96	14	46.3	A0	CO	2838	P -56 2789
45	7.5	7.9W	1 30.777	-0.0002	07	-59 35 54.61	0.013	07	0.14	30.778	14	46.3	54.66	14	46.3	A0	CO	2839	P -59 1756
46	8.9	9.3W	1 37.637	-0.0027	06	-54 41 33.58	-0.004	06	0.18	37.668	15	38.2	33.54	18	38.2	B8	C9	3768	P -54 3063
47	9.0	8.6W	1 38.387	-0.0010	06	-52 48 39.08	0.029	06	0.18	38.399	15	38.2	39.42	18	38.2	F5	C9	3769	P -52 3143
48	9.4	9.7W	1 38.856	-0.0023	07	-56 18 10.24	0.003	07	0.14	38.865	14	46.3	10.25	14	46.3	A0	CO	2840	P -55 2850
49	9.1	9.2W	1 43.390	-0.0000	06	-58 37 38.59	-0.007	06	0.14	43.390	14	46.3	38.56	14	46.3	A0	CO	2841	P -58 1848
50	9.0	7.9W	1 43.783	-0.0013	06	-59 42 20.06	0.001	06	0.14	43.788	14	46.3	20.06	14	46.3	K0	CO	2842	P -59 1771
51	8.9E	8.5Z	10 1 48.113	-0.0016	12	-50 50 10.32	-0.013	12	0.66	48.185	36	03.3	9.70	36	03.3	B9	CZ	8126	P -50 2992
52	8.5	8.8W	1 51.500	-0.0007	07	-57 19 31.52	-0.016	07	0.14	51.503	14	46.3	31.46	14	46.3	A0	CO	2843	P -56 2798
53	8.5	8.6W	1 53.838	-0.0045	06	-55 28 36.60	0.020	06	0.18	53.891	15	38.2	36.83	18	38.2	A3	C9	3770	P -55 2853
54	9.7E	9.8Z	1 54.310	-0.0007	12	-50 8 3.57	-0.009	12	0.68	54.345	36	02.0	3.13	36	02.0		CZ	8131	P -49 3052
55		7.4T	2 2.099	-0.0018	11	-59 57 25.55	-0.009	08	0.53	2.196	19	02.3	25.08	18	96.0	G5	GC	13847	P -59 1791
56	9.2	7.9W	2 7.476	-0.0023	07	-55 56 48.16	-0.030	07	0.14	7.485	14	46.3	48.06	14	46.3	K0	CO	2845	P -55 2860
57		7.9T	2 15.569	-0.0014	15	-55 39 55.45	-0.008	14	0.70	15.635	21	04.3	55.09	19	03.4	B8	GC	13852	P -55 2861
58	8.7	8.9W	2 16.706	-0.0028	07	-52 41 22.83	0.007	07	0.18	16.739	15	38.2	22.92	18	38.2	A2	C9	3773	P -52 3155
59	8.1	8.5W	2 17.241	-0.0021	06	-59 15 2.19	0.019	06	0.14	17.249	14	46.3	2.26	14	46.3	B9	CO	2846	P -58 1856
60	9.4	9.4W	2 17.758	-0.0060	07	-52 39 52.66	0.013	07	0.18	17.829	15	38.2	52.82	18	38.2	A3	C9	3774	P -52 3156
61	9.9E	9.0Z	2 25.893	0.0026	12	-50 36 14.72	-0.020	12	0.71	25.772	45	03.3	13.76	45	03.3		CZ	8140	P -50 3003
62	8.7	9.1W	2 29.903	-0.0016	07	-59 8 17.34	0.007	07	0.14	29.909	14	46.3	17.36	14	46.3	B5	CO	2847	P -58 1860
63	9.3	9.7W	2 31.172	-0.0016	11	-59 38 19.16	0.028	11	0.15	31.178	14	46.3	19.26	14	46.3	B9	CO	2848	P -59 1816
64		7.5T	2 35.295	-0.0036	10	-51 33 19.49	-0.020	10	0.52	35.465	17	03.1	18.47	18	99.4	B9	GC	13858K	C -51 4447
65		9.4T	2 35.343	-0.0013	22	-51 33 27.01	-0.002	17	0.92	35.401	24	06.4	26.91	22	02.8		GC	13859K	C -51 4447
66	8.5	8.8W	2 42.840	-0.0026	07	-58 58 51.05	0.002	07	0.14	42.849	14	46.3	51.06	14	46.3	B9	CO	2849	P -58 1864
67	10.2E	9.5Z	2 43.212	0.0008	12	-51 9 53.45	-0.001	12	0.71	43.175	45	03.3	53.39	45	03.3		CZ	8149	P -50 3011
68	10.0	9.8W	2 43.676	-0.0062	12	-52 23 20.45	0.015	12	0.22	43.749	15	38.2	20.62	18	38.2	A5	C9	3775	P -52 3171
69	10.2E	9.2Z	2 43.820	-0.0127	12	-51 29 52.84	-0.034	12	0.82	44.415	63	03.2	51.24	57	03.2		CZ	8150	P -51 2939
70	9.8E	9.0Z	2 44.311	-0.0048	12	-51 48 28.54	0.000	12	0.82	44.535	63	03.2	28.56	57	03.2	F8	CZ	8152	P -51 2941
71	9.5E	9.3Z	2 46.246	-0.0050	12	-50 6 13.68	0.005	12	0.73	46.490	45	01.8	13.90	45	01.8		CZ	8151	P -49 3073
72	9.4	8.6W	2 49.713	-0.0024	07	-58 25 16.19	-0.008	07	0.14	49.722	14	46.3	16.16	14	46.3	BP	CO	2850	P -58 1865
73		8.1T	2 58.228	-0.0034	15	-54 42 25.86	0.007	12	0.67	58.386	21	04.0	26.24	19	99.4	B8	GC	13866	P -54 3089
74		7.2T	3 1.269	-0.0000	16	-51 46 54.73	0.004	10	0.69	1.270	19	02.1	54.94	19	94.5	K0	GC	13869	C -51 4451
75		6.6T	3 8.469	-0.0039	14	-51 4 12.58	0.007	08	0.61	8.657	19	01.2	13.00	17	91.6	B9	GC	13874K	C*-50 4791
76	8.6	8.9W	3 11.573	-0.0006	06	-55 33 25.21	0.002	06	0.18	11.580	15	38.2	25.23	18	38.2	A0	C9	3777	P -55 2874
77		6.9T	3 17.491	-0.0002	12	-56 39 16.61	0.009	10	0.59	17.501	21	02.5	17.10	19	97.4	F0	GC	13877	P -56 2825
78		8.5T	3 18.413	0.0019	17	-55 31 25.06	0.018	18	0.79	18.330	22	07.0	25.85	22	06.6	K0	GC	13878	P*-55 2876
79	9.3	9.3W	3 21.290	-0.0016	07	-53 14 42.20	0.010	07	0.18	21.309	15	38.2	42.32	18	38.2	A3	C9	3779	P -52 3186
80	10.2E	9.9Z	3 27.685	-0.0003	12	-50 53 56.68	-0.002	12	0.71	27.699	45	03.3	56.57	45	03.3		CZ	8164	P -50 3021
81	9.1	9.5W	3 30.107	-0.0003	06	-59 48 33.39	-0.008	06	0.14	30.108	14	46.3	33.36	14	46.3	A0	CO	2852	P -59 1842
82	9.9E	9.5Z	3 38.120	-0.0010	12	-51 23 22.83	-0.012	12	0.82	38.167	63	03.2	22.26	57	03.2	A2	CZ	8169	P -51 2957
83	10.2E	9.8Z	3 44.510	-0.0051	12	-51 8 9.09	0.013	12	0.71	44.748	45	03.3	9.69	45	03.3		CZ	8171	P -50 3029
84	7.7	8.0W	3 53.983	-0.0030	07	-52 9 43.81	0.010	07	0.18	54.019	15	38.2	43.92	18	38.2	A0	C9	3780	P -51 2964
85	8.7	9.1W	3 55.067	-0.0002	07	-59 39 45.08	0.021	07	0.14	55.068	14	46.3	45.16	14	46.3	B9	CO	2853	P -59 1850
86	8.8	9.0W	4 5.255	-0.0049	07	-57 24 49.59	-0.009	07	0.14	5.273	14	46.3	49.56	14	46.3	A0	CO	2854	P -57 2633
87		7.7T	4 7.780	-0.0043	14	-54 20 54.91	0.001	12	0.66	7.979	21	03.4	54.98	19	99.7	B5	GC	13886	P -53 3290
88	9.0	9.3W	4 9.126	-0.0024	06	-56 26 7.75	-0.001	06	0.14	9.135	14	46.3	7.75	14	46.3	A0	CO	2855	P -56 2839
89	8.7	9.1W	4 10.325	-0.0008	06	-59 52 24.17	-0.003	06	0.14	10.328	14	46.3	24.16	14	46.3	B9	CO	2691	P -59 1855
90		6.8T	4 14.882	-0.0076	14	-51 56 38.00	0.013	10	0.66	15.253	22	01.3	38.71	19	94.4	K0	GC	13891	C*-51 4471
91	8.4	8.6W	4 21.360	-0.0033	07	-57 39 22.41	0.014	07	0.14	21.372	14	46.3	22.46	14	46.3	A0	CO	2857	P -57 2643
92	9.2E	8.5Z	4 21.728	-0.0004	12	-50 38 18.62	-0.002	12	0.65	21.747	31	01.9	18.50	28	01.9	K5	CZ	8180	P -50 3033
93	9.4E	8.5Z	4 27.887	-0.0027	12	-51 48 44.57	0.012	12	0.82	28.012	63	03.2	45.15	57	03.2	G5	CZ	8182	P -51 2970
94	8.8	9.0W	4 28.949	-0.0008	07	-53 49 17.95	0.006	07	0.18	28.958	15	38.2	18.03	18	38.2	A0	C9	3783	P -53 3297
95	8.5	8.7W	4 34.874	-0.0012	07	-53 13 29.33	-0.010	07	0.18	34.889	15	38.2	29.22	18	38.2	A5	C9	3784	P -52 3214
96	9.3	9.6W	4 36.383	-0.0030	08	-52 13 11.15	-0.002	08	0.19	36.419	15	38.2	11.12	18	38.2	B9	C9	3785	P -51 2973
97	9.7	8.3W	4 45.617	-0.0014	06	-57 44 22.38	-0.004	06	0.14	45.622	14	46.3	22.36	14	46.3	K5	CO	2858	P -57 2657
98	9.0	8.1W	4 46.372	-0.0031	06	-53 27 6.52	0.025	06	0.18	46.409	15	38.2	6.82	18	38.2	K0	C9	3786	P -53 3304
99	8.9	9.3W	4 56.862	-0.0006	06	-52 24 4.17	0.005	06	0.18	56.869	15	38.2	4.22	18	38.2	B9	C9	3787	P -52 3223
00		7.0T	4 57.753	-0.0020	10	-50 49 59.64	0.005	08	0.55	57.862	21	94.5	59.96	18	88.2	A0	GC	13907	C -50 4813

237700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 10H DM NUMBER
1	8.3	8.1W	10 5 3.097	-0.0027	06	-53 40 6.37	0.005	06	0.18	3.128	15	38.2	8.43	18	38.2	F2	C9	3788	P -53 3311
2	9.2	9.5W	5 3.400	-0.0008	08	-52 4 20.15	-0.002	08	0.19	3.409	15	38.2	20.12	18	38.2	A0	C9	3789	P -51 2981
3	10.2		5 5.279	-0.0007	13	-58 25 44.76	0.027	13	0.15	5.282	14	46.3	44.86	14	46.3	A0	C0	2859	P -58 1909
4	9.7	7.9W	5 11.408	0.0007	07	-55 49 46.03	-0.008	07	0.18	11.400	15	38.2	45.93	18	38.2	K5	C9	3790	P -55 2905
5		7.9T	5 17.073	-0.0161	13	-52 17 24.07	0.028	09	0.63	17.071	22	00.5	25.71	18	90.9	F2	GC	13913	C -51 4485
6	9.6	9.6W	5 18.976	-0.0012	07	-55 41 55.24	-0.009	07	0.18	18.991	15	38.2	55.13	18	38.2	A2	C9	3792	P -55 2909
7		7.6T	5 19.133	-0.0056	12	-54 19 8.42	0.006	10	0.59	19.398	21	02.4	8.76	19	98.0	B9	GC	13914K	P* -53 3318
8	7.9	8.2W	5 21.664	-0.0038	07	-52 51 45.38	0.003	07	0.18	21.709	15	38.2	45.42	18	38.2	A0	C9	3794	P -52 3234
9	8.9	8.6W	5 29.962	-0.0056	07	-56 49 5.65	0.031	07	0.14	29.983	14	46.3	5.76	14	46.3	F8	C0	2860	P -56 2869
10	9.1	9.3W	5 32.223	-0.0016	07	-59 9 6.13	0.008	07	0.14	32.229	14	46.3	6.16	14	46.3	B8	C0	2861	P -58 1918
11	10.3	7.7W	5 41.390	-0.0016	07	-53 0 54.90	-0.015	07	0.18	41.409	15	38.2	54.72	18	38.2	MA	C9	3795	P* -52 3245
12	9.1	8.4W	5 44.977	-0.0035	07	-59 0 25.15	0.002	07	0.14	44.989	14	46.3	25.16	14	46.3	G5	C0	2862	P -58 1921
13	8.4	8.2W	5 46.956	-0.0046	13	-57 18 16.96	-0.000	13	0.15	46.973	14	46.3	16.96	14	46.3	F0	C0	2863	P -56 2875
14	9.0	8.2W	5 49.156	-0.0017	06	-58 12 57.77	-0.001	06	0.14	49.162	14	46.3	57.76	14	46.3	G5	C0	2864	P -57 2606
15	8.9	9.3W	5 49.699	-0.0029	06	-58 48 43.65	0.002	06	0.14	49.709	14	46.3	43.66	14	46.3	A0	C0	2865	P -58 1922
16	9.4E	8.8Z	5 50.410	-0.0026	12	-50 46 13.13	-0.000	12	0.71	50.531	45	03.3	13.12	45	03.3	A5	CZ	8207	P -50 3055
17	8.7	9.4W	5 50.961	-0.0050	09	-58 48 58.06	-0.027	09	0.14	50.979	14	46.3	57.96	14	46.3	A0	C0	2866	P -58 1923
18	8.3	7.6W	6 1.625	-0.0019	06	-58 7 39.25	0.003	06	0.14	1.632	14	46.3	39.26	14	46.3	G0	C0	2867	P -57 2693
19	9.0	9.0W	6 7.950	-0.0038	07	-56 20 21.25	-0.001	07	0.14	7.964	14	46.3	21.25	14	46.3	A5	C0	2868	P -55 2928
20	9.7		6 8.291	-0.0032	07	-52 51 56.41	-0.007	07	0.18	8.329	15	38.2	56.32	18	38.2	A0	C9	3796	P -52 3258
21	10.3E	9.5Z	6 27.857	0.0000	12	-51 30 31.13	-0.021	12	0.82	27.855	63	03.2	30.14	57	03.2		CZ	8212	P -51 2998
22		6.6T	6 35.047	0.0001	13	-57 57 10.70	-0.024	09	0.54	35.043	10	05.4	9.51	17	01.0	G0	GC	13942	P -57 2703
23	8.2	8.6W	6 35.051	-0.0006	07	-57 2 39.49	-0.007	07	0.14	35.053	14	46.3	39.46	14	46.3	B8	C0	2870	P -56 2892
24	9.3	9.3W	6 35.507	-0.0027	07	-52 50 55.96	-0.012	07	0.18	35.539	15	38.2	55.82	18	38.2	F0	C9	3797	P -52 3265
25	9.8	9.6W	6 38.818	-0.0035	07	-54 7 18.21	0.001	07	0.18	38.859	15	38.2	18.23	18	38.2	F0	C9	3798	P -53 3355
26		7.3T	6 40.124	-0.0046	13	-56 11 28.35	-0.011	11	0.64	40.364	21	03.0	27.79	19	97.8	K0	GC	13944	P -55 2949
27	10.1E	9.0Z	6 40.740	-0.0021	12	-51 29 30.29	-0.002	12	0.82	40.839	63	03.2	30.19	57	03.2		CZ	8216	P -51 3001
28	8.6	8.9W	6 45.396	-0.0044	07	-57 28 35.97	-0.003	07	0.14	45.413	14	46.3	35.96	14	46.3	A0	C0	2872	P -57 2708
29	9.4	9.7W	6 45.974	-0.0041	07	-58 59 44.45	-0.024	07	0.14	45.989	14	46.3	44.36	14	46.3	A0	C0	2873	P -58 1933
30	9.4E	8.9Z	6 51.715	-0.0027	12	-50 33 8.02	-0.003	12	0.71	51.841	45	03.3	7.86	45	03.3	A0	CZ	8218	P -50 3068
31	9.0	9.1W	6 52.541	-0.0008	07	-55 31 12.47	0.006	07	0.18	52.551	15	38.2	12.54	18	38.2	A0	C9	3799	P -55 2952
32	10.2E	8.8Z	6 55.375	0.0003	12	-50 7 47.52	-0.015	12	0.73	55.363	45	01.8	46.78	45	01.8		CZ	8220	P -49 3140
33		8.2T	6 55.818	0.0011	13	-56 10 28.56	-0.038	12	0.64	55.764	22	03.9	26.71	21	00.9	K0	GC	13950	P -55 2953
34	9.6	9.6W	6 56.084	-0.0011	07	-59 31 47.32	0.009	07	0.14	56.088	14	46.3	47.36	14	46.3	A0	C0	2875	P -59 1909
35	9.2	9.2W	6 57.449	-0.0082	07	-59 10 45.52	0.010	07	0.14	57.479	14	46.3	45.56	14	46.3	A5	C0	2876	P* -58 1937
36		5.1T	7 2.305	-0.0013	07	-51 33 55.33	-0.001	05	0.27	2.360	09	08.4	55.27	09	03.5	B5	GC	13953	C* -51 4507
37	9.3	9.1W	7 6.645	-0.0020	14	-52 6 3.79	0.003	14	0.23	6.669	15	38.2	3.82	18	38.2	A5	C9	3800	P -51 3012
38	9.3E	9.5Z	7 11.833	-0.0011	12	-51 52 31.86	-0.004	12	0.82	11.883	63	03.2	31.68	57	03.2	A0	CZ	8230	P -51 3013
39	9.4E	9.0Z	7 18.273	-0.0020	12	-51 14 42.68	-0.006	12	0.82	18.367	63	03.2	42.39	57	03.2	B9	CZ	8231	P -50 3079
40	9.4	9.5W	7 20.720	-0.0009	07	-55 40 20.44	0.025	07	0.18	20.731	15	38.2	20.73	18	38.2	A2	C9	3801	P -55 2963
41	8.0E	8.2W	7 22.385	-0.0012	12	-50 23 36.91	0.007	12	0.65	22.445	31	01.9	37.22	28	01.9	B3	CZ	8232	P -50 3081
42		7.6T	7 23.250	-0.0009	11	-57 47 40.36	-0.002	08	0.46	23.295	17	04.8	40.24	15	00.8	B8	GC	13962	P -57 2724
43	9.7E	9.2Z	7 26.472	-0.0026	12	-51 2 33.91	-0.005	12	0.71	26.594	45	03.3	33.66	45	03.3	A2	CZ	8234	P -50 3084
44	8.9	9.1W	7 28.868	-0.0015	07	-55 56 45.18	-0.004	07	0.18	28.851	15	38.2	45.14	18	38.2	A0	C9	3802	P -55 2969
45	8.4	8.6W	7 39.902	-0.0002	06	-57 16 5.17	-0.002	06	0.14	39.903	14	46.3	5.16	14	46.3	A0	C0	2878	P -56 2912
46	9.5E	8.8Z	7 41.122	-0.0032	12	-50 0 2.05	0.009	12	0.73	41.278	45	01.8	2.47	45	01.8	K0	CZ	8235	P -49 3156
47	7.7	8.2W	7 49.318	-0.0026	07	-52 37 46.69	-0.006	07	0.18	49.349	15	38.2	46.62	18	38.2	B8	C9	3803	P -52 3290
48	10.0E	9.8Z	8 2.838	-0.0018	12	-51 0 30.62	-0.022	12	0.66	2.922	36	03.2	30.51	36	03.2	A2	CZ	8245	P -50 3098
49	8.7	7.9W	8 2.861	-0.0006	06	-56 25 26.67	-0.005	06	0.14	2.865	14	46.3	26.65	14	46.3	G5	C0	2879	P -56 2918
50	7.8	7.9W	8 3.120	-0.0009	07	-56 30 7.10	0.016	07	0.14	3.123	14	46.3	7.16	14	46.3	A0	C0	2880	P -56 2919
51	8.9	9.2W	10 8 4.588	-0.0026	07	-53 7 6.21	-0.016	07	0.18	4.619	15	38.2	6.02	18	38.2	B9	C9	3804	P -52 3296
52	8.5	8.9W	8 16.695	-0.0008	06	-59 58 22.76	-0.001	06	0.14	16.698	14	46.3	22.76	14	46.3	A0	C0	2722	P -59 1933
53	9.0E	8.2Z	8 31.511	0.0005	12	-50 55 5.26	-0.046	12	0.71	31.487	45	03.2	3.09	45	03.2	F5	CZ	8256	P -50 3107
54	9.6	9.4W	8 33.611	-0.0024	06	-58 57 30.66	-0.000	06	0.14	33.619	14	46.3	30.66	14	46.3	A5	C0	2882	P -58 1960
55		9.4T	8 34.829	-0.0006	22	-57 48 48.94	-0.043	17	0.93	34.857	24	05.9	46.93	24	03.5		GC	13994	P -57 2750
56	10.0E	9.5Z	8 38.965	-0.0055	12	-51 26 52.37	-0.017	12	0.82	39.223	63	03.2	51.57	57	03.2		CZ	8261	P -51 3041
57	9.6	8.5W	8 48.187	-0.0010	07	-53 3 18.38	-0.014	07	0.18	48.199	15	38.2	18.22	18	38.2	K0	C9	3805	P -52 3307
58	9.7	9.6W	8 48.750	-0.0016	06	-53 37 31.64	0.007	06	0.18	48.768	15	38.2	31.73	18	38.2	A0	C9	3806	P -53 3409
59	9.0	8.0W	8 49.014	-0.0024	07	-57 1 53.20	-0.011	07	0.14	49.023	14	46.3	53.16	14	46.3	K0	C0	2884	P -56 2936
60	10.0E	9.5Z	8 51.836	-0.0017	12	-51 28 20.42	0.002	12	0.82	51.916	63	03.2	20.50	57	03.2	A0	CZ	8264	P -51 3045
61	9.1	9.5W	8 53.750	-0.0008	07	-56 41 26.23	0.009	07	0.14	53.753	14	46.3	26.26	14	46.3	A2	C0	2885	P -56 2939
62	8.1E	8.0Z	9 7.126	-0.0007	12	-50 34 59.71	-0.008	12	0.71	7.159	45	03.2	59.31	45	03.2	A0	CZ	8269	P -50 3118
63	8.8	9.1W	9 9.459	-0.0017	06	-52 21 22.90	-0.006	06	0.18	9.479	15	38.2	22.82	18	38.2	A0	C9	3807	P -51 3049
64	7.2	7.6W	9 13.563	-0.0017	06	-58 54 26.41	0.014	06	0.14	13.569	14	46.3	26.46	14	46.3	A0	C0	2886	P -58 1967
65	9.9E	9.0Z	9 19.808	-0.0004	12	-51 2 15.91	0.001	12	0.71	19.827	45	03.2	15.95	45	03.2	K0	CZ	8273	P -50 3126
66	8.7	8.9W	9 21.177	-0.0013	06	-57 57 26.01	-0.014	06	0.14	21.182	14	46.3	25.96	14	46.3	A0	C0	2887	P -57 2770
67	9.5	8.2W	9 22.585	-0.0021	07	-55 51 30.85	-0.010	07	0.18	22.561	15	38.2	30.73	18	38.2	K0	C9	3808	P -55 3004
68	9.9		9 26.952	-0.0007	15	-56 8 46.94	-0.026	15	0.24	26.960	15	38.2	46.64	18	38.2	A0	C9	3809	P -55 3006
69	7.7E	7.8H	9 27.318	-0.0007	12	-50 14 36.33	-0.024	12	0.71	27.288	45	03.2	35.20	45	03.2	B3	CZ	8274	P -49 3193
70		8.3T	9 30.353	-0.0013	17	-57 47 51.67	-0.000	14	0.71	38.411	21	07.4	51.66	19	05.0	+++	GC	14007	P* -57 2780
71	9.2	9.0W	9 43.518	-0.0026	06	-54 42 31.20	-0.014	06	0.18	43.548	15	38.2	31.04	18	38.2	B9	C9	3810	P -54 3246
72	9.2	9.2W	9 44.376	-0.0004	07	-59 30 26.10	0.017	07	0.14	44.378	14	46.3	26.16	14	46.3	A2	C0	2889	P -59 1952
73		6.2T	9 52.236	-0.0064	12	-58 34 50.90	0.017	08	0.49	52.546	18	06.8	51.70	17	01.2	MB	GC	14013	P -58 1979
74	8.6	8.8W	9 55.203	-0.0014	07	-59 38 10.78	-0.004	07	0.14	55.208	14	46.3	10.76	14	46.3	B8	C0	2891	P -59 1955
75	8.2	8.6W	9 58.509	-0.0001	07	-55 44 54.49	0.004	07	0.18	58.511	15	38.2	54.54	18	38.2	B8	C9	3811	P -55 3021
76		6.1T	10 1.684	-0.0030	09	-57 48 47.33	0.001	07	0.40	1.834	17	04.5	47.36	15	99.8	B2P	GC	14018	P* -57 2781
77	7.6	7.8W	10 6.564	-0.0014	06	-58 54 26.45	0.002	06	0.14	6.569	14	46.3	26.46	14	46.3	A2	C0	2893	P -58 1984
78		7.4T	10 8.398	-0.0020	14	-54 44 14.30	-0.014	10	0.62	8.308	21	04.5	13.59	18	97.3	B9	GC	14020	P -54 3261
79	8.7	8.3W	10 15.179	-0.0001	06	-58 42 27.45	0.002	06	0.14	15.180	14	46.3	27.46	14	46.3	B	C0	2894	P -58 1985
80	9.0	9.4W	10 16.878	-0.0009	07	-54 52 24.59	0.004	07	0.18	16.868	15	38.2	24.64	18	38.2	A0	C9	3813	P* -54 3269
81	10.2	9.8W	10 18.436	-0.0028	07	-52 11 50.12	-0.025	07	0.18	18.469	15	38.2	49.82	18	38.2	F2	C9	3814	P -51 3066
82	10.3E	9.8Z	10 26.982	-0.0021	12	-51 45 52.22	-0.019	12	0.82	27.080	63	03.2	51.35	57	03.2		CZ	8289	P -51 3068
83		7.8T	10 28.279	-0.0030	22	-59 21 19.46	0.003	13	0.81	28.413	21	08.7	19.62	19	04.7	G0	GC	14026	P -58 1988
84		6.4T	10 28.560	-0.0047	14	-51 54 57.97	0.044	12	0.70	28.787	22	02.0	+ 0.25	21	98.0	K0	GC	14027	C -51 4565
85	10.0	9.1W	10 29.444	-0.0021	06	-52 20 19.07	-0.012	06	0.18	29.469	15	38.2	18.92	18	38.2	F8	C9	3816	P -51 3070
86	8.4	8.8W	10 35.618	-0.0026	06	-59 41 50.36	0.001	06	0.14	35.628	14	46.3	50.36	14	46.3	B9	C0	2896	P -59 1967
87	8.8E	9.0Z	10 37.089	-0.0012	12	-50 1 33.47	-0.010	12	0.66	37.130	31	00.9	32.96	28	00.9	A2	CZ	8293	P -49 3210
88	9.4E	9.0Z	10 38.656	0.0013	12	-51 7 57.99	-0.057	12	0.71	38.595	45	03.2	55.31	45	03.2	F5	CZ	8294	P -50 3161
89	9.5	9.4W	10 41.045	-0.0037	07	-53 55 28.06	-0.003	07	0.18	41.088	15	38.2	28.03	18	38.2	A3	C9	3817	P -53 3437
90	9.8E	9.8Z	10 46.509	-0.0002	12	-51 4 45.57	-0.004	12	0.71	46.519	45	03.2	45.38	45	03.2		CZ	8295	P -50 3163
91	8.9E	8.5Z	10 46.720	-0.0006	12	-51 10 8.56	-0.014	12	0.71	46.749	45	03.2	7.89	45	03.2	A3	CZ	8296	P -50 3164
92	8.7	9.0W	10 54.462	-0.0007	07	-55 32 9.28	0.005	07	0.18	54.471	15	38.2	9.34	18	38.2	B8	C9	3818	P -55 3048
93	7.7	8.0W	10 59.714	-0.0002	07	-55 54 9.86	-0.002	07	0.14	59.715	14	46.3	9.85	14	46.3	B8	C0	2897	P -55 3053
94	9.1	7.9W	11 1.155	-0.0003	06	-54 19 32.65	-0.002	06	0.18	1.158	15	38.2	32.63	18	38.2	K0	C9	3820	P -53 3444
95	9.7	8.3W	11 6.971	-0.0015	07	-53 12 3.18	0.003	07	0.18	6.989	15	38.2	3.22	18	38.2	K5	C9	3821	P -52 3355
96	8.7E	8.8Z	11 9.404	-0.0003	12	-50 51 0.95	-0.017	12	0.71	9.419	45	03.2	0.14	45	03.2	B8	CZ	8307	P -50 3175
97	9.6		11 13.748	-0.0017	07	-54 47 14.70	0.003	07	0.18	13.768	15	38.2	14.74	18	38.2	A0	C9	3822	P -54 3292
98	9.6	9.8W	11 14.407	-0.0018	09	-52 7 35.46	0.006	09	0.20	14.429	15	38.2	35.52	18	38.2	A0	C9	3823	P -51 3088
99		6.4T	11 19.638	-0.0006	12	-59 40 11.85	-0.003	07	0.49	19.667	18	06.9	11.71	17	99.6	B3	GC	14046	P -59 1974
00	8.9E	8.0H	11 20.113	-0.0023	12	-50 21 46.06	-0.005	12	0.71	20.222	45	03.2	45.81	45	03.2	K2	CZ	8310	P -49 3223

237800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ,,.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 10H DM NUMBER
1	10.2	9.8W	10 11 22.193	-0.0013	11	-52 36 15.68	-0.039	11	0.21	22.209	15	38.2	15.22	18	38.2	F2	C9	3824	P -52 3363
2	8.6E	9.3Z	11 22.828	-0.0012	12	-50 39 9.74	-0.026	12	0.71	22.884	45	03.2	8.50	45	03.2	A2	CZ	8312	P -50 3184
3	9.5E	8.6Z	11 24.684	-0.0002	12	-50 39 35.45	-0.010	12	0.71	24.693	45	03.2	34.96	45	03.2	K	CZ	8313	P -50 3185
4		5.5T	11 26.766	-0.0046	07	-50 59 4.38	-0.028	06	0.30	26.948	14	10.1	3.08	12	03.4	A5	GC	14047	C -50 4924
5	10.6		11 30.032	-0.0050	15	-55 31 34.01	-0.015	15	0.24	30.091	15	38.2	33.84	18	38.2	A0	C9	3826	P -55 3063
6	8.7	9.1W	11 30.689	-0.0011	07	-57 13 40.79	-0.007	07	0.14	30.693	14	46.3	40.76	14	46.3	B9	C0	2899	P -56 2997
7		6.0T	11 32.662	-0.0052	13	-51 30 27.68	0.002	09	0.61	32.923	19	00.0	27.78	18	95.3	A2	GC	14050	C -51 4578
8		6.4T	11 34.358	-0.0020	13	-56 20 18.40	-0.006	09	0.59	34.471	21	02.8	18.08	18	93.9	K2	GC	14051	P -55 3066
9	9.6	9.7W	11 34.976	-0.0028	15	-54 48 49.15	0.007	15	0.24	35.008	15	38.2	49.24	18	38.2	A0	C9	3827	P -54 3306
10	8.2E	8.0H	11 35.159	0.0008	12	-50 12 51.64	-0.023	12	0.73	35.123	45	01.7	50.51	45	01.7	K0	CZ	8319	P -49 3225
11	8.6	8.5W	11 36.409	-0.0036	13	-58 6 52.55	0.031	13	0.15	36.422	14	46.3	52.66	14	46.3	B	C0	2901	P -57 2810
12	9.9E	8.7Z	11 36.813	-0.0076	12	-51 49 23.72	0.074	12	0.82	37.168	63	03.2	27.20	57	03.2	F5	CZ	8323	P -51 3098
13			11 37.469	-0.0027	06	-58 58 14.04	0.005	06	0.14	37.479	14	46.3	14.06	14	46.3	B8	C0	2902V	P -58 2010
14	9.6	9.8W	11 40.806	0.0023	15	-54 39 5.08	0.005	15	0.24	40.778	15	38.2	5.14	18	38.2	B8	C9	3828	P -54 3310
15	9.4	9.6W	11 45.405	-0.0018	11	-57 41 37.02	0.012	11	0.15	45.412	14	46.3	37.06	14	46.3	A0	C0	2903	P -57 2816
16	9.4	8.5W	11 48.779	-0.0052	15	-55 32 13.27	0.014	15	0.24	48.840	15	38.2	13.44	18	38.2	G5	C9	3829	P -55 3073
17		7.6T	11 51.762	-0.0011	13	-52 59 33.02	-0.010	11	0.64	51.816	21	02.5	32.53	18	98.1	A0	GC	14062	P -52 3372
18	9.4	9.7W	12 8.346	-0.0002	07	-54 39 57.10	-0.014	07	0.18	8.348	15	38.2	56.94	18	38.2	A	C9	3831	P -54 3322
19		7.6T	12 15.109	-0.0020	14	-54 44 42.40	-0.009	11	0.65	15.204	21	03.1	41.96	19	98.9	B3	GC	14069	P -54 3325
20	9.1	9.3W	12 20.552	-0.0058	07	-57 27 45.43	0.008	07	0.14	20.573	14	46.3	45.46	14	46.3	A0	C0	2905	P -57 2834
21	7.8	8.2W	12 28.808	-0.0026	06	-54 53 29.94	0.008	06	0.18	28.838	15	38.2	30.04	18	38.2	B5	C9	3833	P -54 3332
22		7.2T	12 32.481	-0.0029	14	-51 33 55.65	-0.006	10	0.65	32.621	22	02.0	55.31	21	95.5	B5	GC	14073	C -51 4592
23	9.5E	8.8*	12 32.916	-0.0020	12	-50 20 38.20	0.001	12	0.65	33.014	31	01.9	38.23	28	01.9	A2	CZ	8338	P -49 3247
24	10.2		12 36.421	-0.0032	12	-53 6 35.62	0.017	12	0.22	36.459	15	38.2	35.82	18	38.2	B9	C9	3834	P -52 3384
25	9.0	9.0W	12 36.995	-0.0007	07	-59 52 57.70	0.018	07	0.14	36.998	14	46.3	57.76	14	46.3	A3	C0	2753	P -59 1983
26	8.7	7.7W	12 43.292	-0.0008	06	-55 2 39.81	0.002	06	0.18	43.302	15	38.2	39.83	18	38.2	G5	C9	3835	P -54 3339
27	9.1	8.3W	12 56.154	0.0005	07	-58 18 15.46	0.028	07	0.14	56.152	14	46.3	15.56	14	46.3	K0	C0	2907	P -57 2850
28	10.2E	10.0Z	12 56.315	-0.0011	12	-50 39 55.70	-0.008	12	0.71	56.366	45	03.2	55.31	45	03.2		CZ	8352	P -50 3223
29	8.8	7.9W	12 58.438	0.0009	06	-55 59 55.45	-0.001	06	0.14	58.435	14	46.3	55.45	14	46.3	K0	C0	2908	P -55 3107
30	8.2	8.5W	13 4.493	0.0022	07	-56 14 4.55	0.001	07	0.14	4.485	14	46.3	4.55	14	46.3	A0	C0	2909	P -55 3112
31		9.1T	13 16.596	-0.0048	18	-52 59 5.60	0.000	20	0.85	16.805	22	06.8	5.62	22	06.7	A0	GC	14083	P -52 3404
32		6.7T	13 17.357	-0.0064	11	-55 18 0.72	0.003	11	0.60	17.696	19	98.8	0.89	19	96.8	K0	GC	14084K	P -54 3352
33		7.3T	13 19.880	0.0018	15	-55 24 28.61	0.003	14	0.69	19.797	22	05.6	28.76	21	04.9	M8	GC	14085	P -55 3118
34		6.5T	13 25.200	-0.0018	12	-54 43 29.65	-0.002	09	0.59	25.289	19	01.2	29.51	18	96.1	B3	GC	14087	P*-54 3356
35		8.1T	13 27.524	0.0004	15	-55 26 24.75	-0.010	14	0.69	27.505	22	05.5	24.31	22	04.8	B9	GC	14089	P -55 3123
36	9.8	9.8W	13 29.779	-0.0029	07	-58 31 1.09	-0.009	07	0.14	29.790	14	46.3	1.06	14	46.3	A	C0	2910	P -58 2031
37	8.7	8.9W	13 31.768	-0.0011	07	-57 36 14.91	0.015	07	0.14	31.772	14	46.3	14.96	14	46.3	B9	C0	2911	P -57 2873
38	8.7	9.1W	13 36.873	-0.0028	07	-57 8 26.06	-0.000	07	0.14	36.883	14	46.3	26.06	14	46.3	A0	C0	2912	P -56 3042
39	10.0E	9.2H	13 37.757	-0.0018	12	-50 16 47.63	-0.018	12	0.71	37.843	45	03.2	46.77	45	03.2		CZ	8359	P -49 3267
40	9.3	9.7W	13 38.970	-0.0018	15	-55 5 49.01	0.028	15	0.24	38.992	15	38.2	49.33	18	38.2	A0	C9	3842	P -54 3366
41	9.1	9.3W	13 39.768	-0.0013	07	-56 52 38.88	-0.005	07	0.14	39.773	14	46.3	38.86	14	46.3	A0	C0	2913	P -56 3043
42		8.1T	13 43.034	-0.0028	17	-51 0 27.10	-0.019	13	0.77	43.167	19	01.9	26.14	18	98.8	B0	GC	14095	C -50 4966
43	8.9	7.6W	13 44.095	0.0001	06	-55 51 30.85	-0.000	06	0.14	44.095	14	46.3	30.85	14	46.3	K2	C0	2914	P -55 3129
44		7.6T	13 51.550	-0.0024	13	-52 23 40.05	-0.009	12	0.69	51.671	22	00.1	39.55	19	96.1	G5	GC	14103	P -52 3420
45		7.9T	13 53.465	-0.0017	14	-52 24 12.22	0.031	12	0.69	53.548	22	01.9	13.86	21	96.9	G0	GC	14105	P -52 3422
46	9.6E	9.0Z	13 53.714	-0.0018	12	-51 4 38.82	-0.009	12	0.66	53.798	36	03.2	38.39	36	03.2	A0	CZ	8367	P -50 3246
47	7.9	7.8W	13 55.126	0.0015	07	-51 57 15.82	0.009	07	0.18	55.109	15	38.2	15.92	18	38.2	B0	C9	3846	P -51 3138
48	9.1	8.8W	13 58.989	-0.0001	07	-55 39 33.79	-0.022	07	0.18	58.991	15	38.2	33.53	18	38.2	F8	C9	3847	P -55 3134
49	9.6	9.7W	14 0.293	0.0004	07	-54 58 51.43	0.000	07	0.18	0.288	15	38.2	51.44	18	38.2	A0	C9	3848	P -54 3377
50	8.3	7.7W	14 4.908	0.0015	06	-57 7 31.05	0.004	06	0.14	4.903	14	46.3	31.06	14	46.3	B	C0	2915	P -56 3055
51		7.0T	10 14 6.112	-0.0041	12	-55 16 12.16	0.018	12	0.61	6.315	21	01.7	13.07	21	00.2	A0	GC	14114	P*-54 3382
52		9.9T	14 13.859	-0.0016	22	-54 20 42.86	0.015	16	0.91	13.928	24	06.0	43.60	22	02.0	A0	GC	14117	P -53 3539
53		6.4T	14 20.350	-0.0060	11	-59 39 13.06	0.013	08	0.47	20.648	18	06.6	13.72	17	00.1	A2	GC	14119K	P*-59 2008
54	9.2	9.5W	14 21.564	0.0020	07	-55 39 23.38	-0.004	07	0.18	21.540	15	38.2	23.34	18	38.2	A0	C9	3850	P -55 3145
55	9.2	8.6W	14 29.837	0.0022	06	-55 20 51.32	0.010	06	0.18	29.812	15	38.2	51.44	18	38.2	PEC	C9	3851	P*-54 3389
56	9.5E	10.0Z	14 30.285	-0.0010	12	-50 40 49.62	-0.013	12	0.71	30.332	45	03.2	48.99	45	03.2	B8	CZ	8376	P -50 3264
57	9.3	9.3W	14 37.730	-0.0024	06	-53 49 54.65	0.015	06	0.18	37.759	15	38.2	54.83	18	38.2	A5	C9	3852	P -53 3552
58		6.4T	14 43.027	-0.0033	13	-50 57 17.45	-0.002	12	0.69	43.189	22	00.2	17.35	19	96.3	M8	GC	14126	C -50 4990
59	9.7E	9.5Z	14 44.086	-0.0015	12	-51 39 33.38	-0.009	12	0.82	44.155	63	03.2	32.95	57	03.2	A2	CZ	8383	P -51 3149
60	10.0E	9.5Z	14 48.105	-0.0021	12	-51 40 11.98	0.013	12	0.82	48.202	63	03.2	12.58	57	03.2	A	CZ	8384	P -51 3150
61	8.7	9.0W	14 52.737	-0.0033	06	-58 35 59.73	0.009	06	0.14	52.750	14	46.3	59.76	14	46.3	B9	C0	2917	P -58 2049
62	9.7E	9.8Z	14 52.952	0.0000	12	-50 45 52.11	-0.004	12	0.71	52.951	45	03.2	51.91	45	03.2	B8	CZ	8386	P -50 3276
63	8.8	9.2W	14 57.294	-0.0048	15	-56 2 15.99	-0.038	15	0.24	57.351	15	38.2	15.53	18	38.2	A0	C9	3853	P -55 3159
64		10.3T	14 59.766	-0.0021	22	-54 13 7.65	-0.006	13	0.87	59.857	24	06.0	7.37	22	00.5	B8	GC	14127	P -53 3562
65	10.0	8.8W	15 4.064	0.0002	15	-55 25 52.45	0.007	15	0.24	4.062	15	38.2	52.54	18	38.2	K2	C9	3854	P*-55 3161
66	9.6	9.3W	15 8.397	-0.0062	07	-55 34 24.06	0.006	07	0.18	8.470	15	38.2	24.13	18	38.2	G0	C9	3855	P -55 3166
67	9.2	9.7W	15 15.333	-0.0024	07	-57 50 41.41	0.014	07	0.14	15.342	14	46.3	41.46	14	46.3	B8	C0	2918	P -57 2915
68	9.4	8.0W	15 18.334	-0.0047	07	-58 22 59.33	-0.020	07	0.14	18.352	14	46.3	59.26	14	46.3	K5	C0	2919	P -58 2055
69	10.2E	9.9H	15 20.426	-0.0001	12	-50 16 58.34	-0.028	12	0.71	20.433	45	03.2	57.01	45	03.2		CZ	8392	P -49 3305
70	9.7	9.3W	15 23.774	-0.0014	07	-59 24 10.45	0.003	07	0.14	23.779	14	46.3	10.46	14	46.3	G	C0	2920	P -59 2018
71	9.3E	9.4H	15 28.421	-0.0037	12	-50 19 59.94	-0.001	12	0.65	28.601	31	01.9	59.88	28	01.9	A0	CZ	8393	P -49 3307
72	10.1E	9.6Z	15 31.064	-0.0004	12	-50 14 13.34	-0.016	12	0.73	31.085	45	01.7	12.56	45	01.7		CZ	8395D	P -49 3309
73	9.1	9.0W	15 31.252	0.0001	07	-55 44 29.91	0.002	07	0.18	31.251	15	38.2	29.93	18	38.2	A2	C9	3856	P -55 3176
74	9.5E	9.0Z	15 31.743	-0.0017	12	-51 49 59.75	0.005	12	0.82	31.821	63	03.2	* 0.00	57	03.2	F5	CZ	8397	P -51 3160
75	11.2E	10.0H	15 31.798	0.0015	12	-50 14 15.68	-0.012	12	0.73	31.728	45	01.7	15.08	45	01.7		CZ	8396D	P -49 3309
76	8.2	8.5W	15 35.763	-0.0030	06	-54 8 55.39	0.003	06	0.18	35.798	15	38.2	55.43	18	38.2	B9	C9	3857	P -53 3579
77	10.0E	9.5Z	15 37.264	-0.0021	12	-51 49 34.50	-0.005	12	0.82	37.362	63	03.2	34.28	57	03.2	F5	CZ	8400	P -51 3162
78	9.5	9.7W	15 39.237	-0.0035	07	-53 32 58.41	0.027	07	0.18	39.278	15	38.2	58.73	18	38.2	A0	C9	3858	P -53 3580
79	8.5	8.9W	15 41.294	-0.0021	06	-58 16 55.47	-0.004	06	0.14	41.302	14	46.3	55.46	14	46.3	B8	C0	2921	P -57 2929
80	10.7	9.8W	15 47.498	-0.0035	15	-53 42 1.18	0.012	15	0.24	47.539	15	38.2	1.33	18	38.2	K0	C9	3859	P -53 3584
81	10.0E	8.5Z	15 48.135	-0.0022	12	-50 40 8.86	-0.007	12	0.71	48.237	45	03.2	8.51	45	03.2	K2	CZ	8403	P -50 3305
82	8.7	9.1W	15 50.667	-0.0006	06	-58 30 40.40	-0.011	06	0.14	50.670	14	46.3	40.36	14	46.3	B5	C0	2922	P -58 2063
83	8.6	8.5W	15 53.590	-0.0026	07	-59 6 14.72	-0.017	07	0.14	53.599	14	46.3	14.66	14	46.3	F0	C0	2923	P -58 2065
84	7.7	8.0W	15 59.886	-0.0019	06	-54 22 20.88	-0.030	06	0.18	59.908	15	38.2	20.53	18	38.2	A0	C9	3860	P -53 3594
85	10.0		16 0.495	0.0022	15	-54 34 29.15	0.024	15	0.24	0.468	15	38.2	29.44	18	38.2	A0	C9	3861	P -54 3421
86	8.2E	8.8Z	16 0.984	-0.0034	12	-51 25 37.40	0.003	12	0.82	1.143	63	03.2	37.53	57	03.2	F0	CZ	8409	P -51 3166
87	9.0E	8.5Z	16 1.927	-0.0042	12	-51 41 43.76	0.041	12	0.82	2.122	63	03.2	45.67	57	03.2	K2	CZ	8410	P -51 3168
88	9.6	9.9W	16 13.041	-0.0023	07	-59 15 9.57	-0.004	07	0.14	13.049	14	46.3	9.56	14	46.3	B5	C0	2924	P -58 2069
89	8.9	9.4W	16 13.143	-0.0013	07	-54 28 35.05	-0.011	07	0.18	13.158	15	38.2	34.93	18	38.2	A0	C9	3862	P -54 3426
90		8.0T	16 13.721	-0.0020	18	-50 34 24.25	-0.020	18	0.86	13.809	24	05.1	23.35	24	04.8	A3	GC	14150K	C*-50 5024
91	9.6	9.7W	16 24.542	-0.0031	15	-53 43 39.09	0.037	15	0.24	24.579	15	38.2	39.53	18	38.2	A0	C9	3863	P -53 3608
92	8.8	7.6W	16 24.667	0.0032	07	-52 4 49.02	0.009	07	0.18	24.629	15	38.2	49.12	18	38.2	K2	C9	3864	P -51 3180
93	9.2	8.0W	16 26.122	-0.0039	06	-52 28 55.46	0.048	06	0.18	26.169	15	38.2	56.02	18	38.2	K0	C9	3865	P -52 3476
94	9.0	9.4W	16 26.747	0.0007	06	-54 55 20.08	0.005	06	0.18	26.738	15	38.2	20.14	18	38.2	B9	C9	3866	P -54 3433
95	8.5	8.4W	16 29.238	-0.0041	06	-57 11 34.85	0.003	06	0.14	29.253	14	46.3	34.86	14	46.3	F0	C0	2925	P -56 3104
96	8.9	8.8W	16 30.370	0.0043	06	-54 19 38.50	-0.049	06	0.18	30.319	15	38.2	37.93	18	38.2	F5	C9	3867	P -53 3611
97		7.5T	16 36.700	-0.0037	14	-51 29 41.67	-0.009	11	0.67	36.878	19	01.4	41.20	21	96.5	K0	GC	14160	C -51 4652
98	8.6	9.0W	16 38.537	0.0007	07	-55 57 34.49	0.016	07	0.14	38.535	14	46.3	34.55	14	46.3	A	C0	2926	P -55 3211
99	8.1	7.9W	16 38.685	-0.0024	07	-56 18 30.73	-0.022	07	0.14	38.694	14	46.3	30.65	14	46.3	F0	C0	2927	P -55 3212
00	9.1	9.3W	16 46.092	0.0020	07	-54 35 51.99	0.004	07	0.18	46.068	15	38.2	52.04	18	38.2	B8	C9	3869	P -54 3443

237900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.5E	9.4H	10 16 48.030	-0.0059	12	-50 26 42.91	0.001	12	0.71	48.308	45	03.2	42.94	45	03.2	A5	CZ	8421	P -50 3330
2		6.1T	16 48.083	-0.0301	12	-55 51 38.13	0.124	09	0.57	49.778	21	00.6	45.13	18	93.7	F8	GC	14164	P -55 3220
3		7.9T	16 56.923	-0.0026	14	-55 46 56.94	-0.089	10	0.63	57.061	21	03.7	52.26	19	97.2	K0	GC	14169	P -55 3222
4	9.7	9.6W	17 3.429	0.0009	07	-51 56 27.45	0.007	07	0.18	3.419	15	38.2	27.52	18	38.2	B9	C9	3872	P -51 3189
5		7.2T	17 3.951	0.0004	13	-50 27 53.85	-0.005	10	0.62	3.932	22	00.5	53.59	17	97.4	B3	GC	14173	C -50 3546
6	9.3	8.5W	17 6.837	-0.0029	07	-55 5 5.92	0.035	07	0.18	6.872	15	38.2	6.34	18	38.2	G5	C9	3873	P -54 3457
7		7.2T	17 11.120	-0.0079	11	-55 46 11.12	0.007	09	0.58	11.560	21	00.5	11.53	18	94.3	A2	GC	14176K	P*-55 3229
8	8.7	8.9W	17 13.663	-0.0012	06	-59 30 59.26	-0.000	06	0.14	13.668	14	46.3	59.26	14	46.3	B	CD	2928	P -59 2044
9	9.2	9.4W	17 17.538	-0.0018	07	-56 23 21.28	-0.009	07	0.14	17.545	14	46.3	21.25	14	46.3	A0	CD	2929	P -56 3121
10	9.5	9.5W	17 18.041	-0.0031	11	-57 29 55.62	0.012	11	0.15	18.053	14	46.3	55.66	14	46.3	A0	CD	2930	P -57 2969
11	9.2	9.0W	17 20.842	-0.0047	07	-59 20 29.61	-0.013	07	0.14	20.859	14	46.3	29.56	14	46.3	F0	CD	2931	P -58 2088
12	9.8E	9.7Z	17 23.517	-0.0018	12	-51 33 57.62	-0.003	12	0.82	23.600	63	03.2	57.47	57	03.2	A2	CZ	8431	P -51 3195
13	9.5	9.7W	17 30.053	0.0001	15	-55 8 37.06	0.032	15	0.24	30.052	15	38.2	37.44	18	38.2	A2	C9	3875	P -54 3467
14	10.2	9.8W	17 32.806	-0.0026	07	-52 32 41.41	0.010	07	0.18	32.839	15	38.2	41.52	18	38.2	F0	C9	3876	P -52 3495
15	9.2	9.6W	17 37.646	-0.0002	06	-54 14 54.75	0.006	06	0.18	37.648	15	38.2	54.83	18	38.2	B8	C9	3877	P -53 3632
16		4.6T	17 43.834	-0.0008	07	-54 46 40.02	-0.009	06	0.41	43.880	17	94.4	39.52	15	91.7	K0	GC	14185	P*-54 3474
17			17 46.531	-0.0005	07	-57 9 12.71	-0.013	07	0.14	46.533	14	46.3	12.66	14	46.3	B2	CD	2932V	P*-56 3131
18	9.6	9.7W	17 47.479	-0.0008	07	-52 44 45.86	-0.029	07	0.18	47.489	15	38.2	45.52	18	38.2	A3	C9	3879	P -52 3500
19	9.4	9.3W	17 52.319	-0.0063	06	-57 50 41.57	-0.004	06	0.14	52.342	14	46.3	41.56	14	46.3	F0	CD	2933	P -57 2988
20	11.0E	9.5Z	17 53.021	-0.0050	12	-51 19 0.43	0.006	12	0.82	53.256	63	03.2	0.70	57	03.2	F2	CZ	8437	P -50 3352
21		6.9T	17 54.535	-0.0040	14	-51 18 59.46	-0.008	10	0.65	54.726	19	01.8	59.03	19	94.5	F2	GC	14188K	C -50 3065
22		7.2T	17 54.743	0.0015	11	-58 53 39.24	0.002	10	0.50	54.673	17	06.5	39.30	15	05.1	B3	GC	14189	P -58 2095
23	8.9	8.9W	18 3.272	-0.0032	07	-56 47 55.23	-0.019	07	0.14	3.283	14	46.3	55.16	14	46.3	F0	CD	2935	P -56 3140
24	9.6	9.7W	18 3.375	-0.0037	07	-53 38 8.40	-0.015	07	0.18	3.418	15	38.2	8.23	18	38.2	A0	C9	3880	P -53 3639
25		7.6T	18 3.537	-0.0028	12	-57 15 20.52	-0.027	10	0.59	3.685	21	02.1	19.12	19	97.6	F2	GC	14193	P -56 3141
26	10.1	8.8W	18 7.172	-0.0014	07	-53 22 7.01	-0.007	07	0.18	7.189	15	38.2	6.92	18	38.2	K0	C9	3881	P -52 3505
27	10.0E	9.5Z	18 8.746	-0.0026	12	-51 34 32.33	-0.024	12	0.82	8.866	63	03.2	31.20	57	03.2		CZ	8443	P -51 3207
28	9.1E	9.1Z	18 9.229	-0.0031	12	-50 31 3.67	-0.016	12	0.71	9.374	45	03.2	2.90	45	03.2	A0	CZ	8442	P -50 3358
29	9.5		18 10.138	-0.0029	15	-55 12 16.92	0.035	15	0.24	10.172	15	38.2	17.34	18	38.2	A0	C9	3882	P -54 3482
30		7.2W	18 15.135	0.0005	07	-52 20 59.09	0.003	07	0.18	15.129	15	38.2	59.12	18	38.2	B0	C9	3883	P -51 3211
31	7.9	8.2W	18 15.873	-0.0030	09	-51 56 31.66	0.006	09	0.20	15.909	15	38.2	31.72	18	38.2	B9	C9	3884	P -51 3212
32	7.8	8.0W	18 18.330	-0.0011	07	-56 21 48.70	-0.012	07	0.14	18.335	14	46.3	48.65	14	46.3	A0	CD	2937	P -55 3259
33		7.9T	18 22.985	-0.0021	13	-59 37 59.70	0.001	11	0.56	23.083	18	08.6	59.76	18	02.9	K0	GC	14200	P -59 2052
34		7.8T	18 26.281	-0.0001	14	-59 24 14.55	-0.019	09	0.56	26.284	18	07.7	13.68	17	03.0	F0	GC	14203	P -59 2054
35	8.6	9.0W	18 29.472	-0.0020	06	-59 17 48.16	-0.001	06	0.14	29.479	14	46.3	48.16	14	46.3	A0	CD	2940	P -58 2107
36	8.7	9.0W	18 30.464	-0.0024	07	-57 24 21.88	-0.005	07	0.14	30.473	14	46.3	21.86	14	46.3	B9	CD	2941	P -57 3008
37	8.5E	7.3Z	18 30.469	-0.0013	12	-51 11 52.90	0.006	12	0.71	30.530	45	03.2	53.17	45	03.2	MA	CZ	8451	P -50 3365
38	9.4	9.5W	18 30.669	0.0009	07	-54 41 52.64	0.008	07	0.18	30.658	15	38.2	52.74	18	38.2	B8	C9	3885	P -54 3490
39	9.8E	9.1*	18 33.455	-0.0035	12	-50 6 16.18	-0.006	12	0.66	33.629	31	00.9	15.87	28	00.9	A	CZ	8453	P -49 3361
40	9.5E	9.4Z	18 34.450	-0.0006	12	-50 54 1.14	-0.037	12	0.71	34.479	45	03.2	59.39	45	03.2	F5	CZ	8454	P -50 3366
41	10.1E	9.2Z	18 35.373	-0.0021	12	-51 47 30.51	-0.008	12	0.82	35.470	63	03.2	30.15	57	03.2	A0	CZ	8455	P -51 3218
42	9.5	9.8W	18 35.753	0.0010	15	-55 16 24.80	-0.006	15	0.24	35.742	15	38.2	24.73	18	38.2	A0	C9	3886	P -54 3492
43	7.8	8.1W	18 43.522	-0.0030	13	-56 30 7.80	-0.011	13	0.15	43.533	14	46.3	7.76	14	46.3	A0	CD	2942	P -56 3156
44		8.0T	18 43.972	-0.0010	15	-51 25 8.74	0.007	13	0.72	44.017	21	02.4	9.11	21	98.6	K0	GC	14210	C -51 4680
45	8.0	7.7W	18 45.144	-0.0004	06	-53 24 43.02	0.017	06	0.18	45.149	15	38.2	43.22	18	38.2	F5	C9	3887	P -53 3649
46	9.7	8.1W	18 46.212	-0.0026	06	-57 30 50.27	-0.030	06	0.14	46.222	14	46.3	50.16	14	46.3	K5	CD	2943	P -57 3019
47		7.9T	18 46.471	0.0006	15	-59 23 3.60	-0.015	12	0.63	46.441	19	06.5	2.92	18	03.0	G5	GC	14212	P -59 2061
48		7.8T	18 47.047	-0.0018	13	-56 55 4.07	-0.016	11	0.63	47.143	19	01.4	3.23	18	96.8	B8	GC	14213	P -56 3159
49			18 48.110	0.0007	07	-55 4 8.80	0.011	07	0.18	48.102	15	38.2	8.93	18	38.2	K2	C9	3888V	P*-54 3497
50	9.9	9.8W	18 48.455	-0.0037	07	-52 38 57.47	-0.063	07	0.18	48.499	15	38.2	56.72	18	38.2	F2	C9	3890	P*-52 3515
51	9.4	9.7W	10 18 48.482	0.0035	15	-55 42 16.95	-0.001	15	0.24	48.441	15	38.2	16.93	18	38.2	A0	C9	3889	P -55 3272
52	9.6E	9.5Z	18 55.561	-0.0014	12	-50 2 28.06	-0.012	12	0.73	55.631	45	01.7	27.46	45	01.7	A2	CZ	8461	P -49 3368
53	8.0	7.8W	18 56.226	0.0003	06	-56 14 39.57	-0.006	06	0.14	56.228	14	46.3	39.55	14	46.3	A0	CD	2946	P -55 3277
54	9.9E	9.3Z	18 56.508	-0.0032	12	-51 44 50.14	-0.007	12	0.82	56.656	63	03.2	49.80	57	03.2	B9	CZ	8462	P -51 3225
55	9.3	9.7W	18 57.351	-0.0002	07	-57 30 33.55	0.003	07	0.14	57.352	14	46.3	33.56	14	46.3	A0	CD	2947	P -57 3022
56	9.2E	9.3Z	18 57.436	-0.0022	12	-51 36 33.70	-0.012	12	0.82	57.540	63	03.2	33.13	57	03.2	B9	CZ	8463	P -51 3226
57	10.1E	9.5Z	18 58.663	-0.0032	12	-51 34 28.60	-0.007	12	0.82	58.811	63	03.2	28.27	57	03.2		CZ	8464	P -51 3227
58		9.8T	19 1.868	-0.0078	18	-55 48 4.24	-0.017	18	0.86	2.221	24	05.1	3.48	24	04.8		GC	14219	P -55 3285
59		4.6T	19 2.930	-0.0019	05	-55 47 26.91	0.001	04	0.24	3.028	12	04.8	26.98	10	98.9	B5F	GC	14220K	P*-55 3286
60		8.7Q	19 3.646	-0.0041	14	-55 47 27.78	0.009	13	0.71	3.844	22	00.9	28.23	21	01.7		GC	14222K	P -55 3286
61	9.8E	8.0Z	19 3.711	-0.0019	12	-51 10 55.85	-0.007	12	0.71	3.800	45	03.2	55.51	45	03.2	K0	CZ	8467	P -50 3370
62	9.6	9.8W	19 10.634	-0.0013	11	-59 8 10.34	0.005	11	0.15	10.639	14	46.3	10.36	14	46.3	B9	CD	2948	P -58 2119
63		8.8T	19 13.109	-0.0022	14	-51 29 46.17	0.019	12	0.69	13.216	19	00.5	47.15	18	98.7	A0	GC	14226	C -51 4690
64	10.0E	9.7Z	19 13.655	-0.0010	12	-51 11 30.02	-0.006	12	0.71	13.702	45	03.2	29.73	45	03.2		CZ	8469	P -50 3373
65	9.7	8.8W	19 15.463	0.0012	14	-51 59 27.25	0.040	14	0.23	15.449	15	38.2	27.72	18	38.2	K0	C9	3893	P -51 3233
66		8.3T	19 15.698	-0.0006	16	-51 27 44.00	-0.020	13	0.80	15.726	26	98.7	42.93	21	96.0	A0	GC	14230K	C*-51 4691
67	9.4	9.7W	19 17.816	-0.0053	07	-52 40 14.06	0.047	07	0.18	17.879	15	38.2	14.62	18	38.2	A0	C9	3894	P -52 3519
68		7.3T	19 20.312	-0.0026	17	-58 13 53.46	-0.008	14	0.71	20.428	21	07.1	53.09	21	05.7	K0	GC	14231	P -57 3035
69		8.1T	19 21.764	0.0000	10	-51 29 19.97	-0.002	08	0.49	21.762	18	03.9	19.87	18	94.8	B9	GC	14233	C -51 4693
70	9.3	9.1W	19 22.528	-0.0020	07	-55 25 47.08	-0.004	07	0.18	22.552	15	38.2	47.03	18	38.2	F5	C9	3895	P -55 3297
71	9.3	8.8W	19 22.841	-0.0066	06	-53 48 33.50	0.036	06	0.18	22.918	15	38.2	33.93	18	38.2	G5	C9	3896	P -53 3664
72	9.1	9.4W	19 26.574	0.0002	07	-56 48 58.47	-0.002	07	0.14	26.573	14	46.3	58.46	14	46.3	A0	CD	2950	P -56 3177
73	9.5E	9.0Z	19 27.239	-0.0016	12	-51 29 2.94	-0.008	12	0.82	27.314	63	03.2	2.56	57	03.2		CZ	8475	P -51 3240
74	9.8E	9.5Z	19 27.431	-0.0012	12	-51 34 39.12	-0.001	12	0.82	27.485	63	03.2	39.06	57	03.2	A	CZ	8476	P -51 3241
75	9.8E	9.9Z	19 30.420	-0.0018	12	-51 27 1.69	0.008	12	0.82	30.505	63	03.2	2.06	57	03.2		CZ	8478	P -51 3242
76	8.8	9.1W	19 30.934	-0.0005	07	-55 33 8.26	0.015	07	0.18	30.940	15	38.2	8.43	18	38.2	A0	C9	3897	P -55 3305
77	9.7	9.8W	19 31.624	-0.0055	07	-53 26 56.80	0.010	07	0.18	31.689	15	38.2	56.92	18	38.2	A2	C9	3898	P -53 3668
78	9.1E	9.0Z	19 31.933	-0.0024	12	-50 59 24.63	-0.041	12	0.71	32.045	45	03.2	22.69	45	03.2	A0	CZ	8479	P -50 3381
79	9.3E	9.2Z	19 32.651	-0.0013	12	-51 30 7.99	-0.014	12	0.82	32.710	63	03.2	7.33	57	03.2	A	CZ	8480	P -51 3243
80	9.0E	9.0Z	19 34.115	-0.0001	12	-51 26 20.14	-0.027	12	0.82	34.120	63	03.2	18.87	57	03.2	B9	CZ	8481	P -51 3245
81	8.4E	8.5Z	19 37.599	-0.0012	12	-51 46 38.01	-0.020	12	0.82	37.654	63	03.2	37.09	57	03.2	B8	CZ	8482	P -51 3248
82	9.3E	8.5Z	19 39.585	-0.0025	12	-50 50 53.32	-0.008	12	0.71	39.703	45	03.2	52.93	45	03.2	K0	CZ	8483	P -50 3382
83	10.1E	9.6Z	19 43.969	-0.0038	12	-50 53 45.22	-0.003	12	0.66	44.147	36	03.2	45.07	36	03.2		CZ	8486	P -50 3383
84	9.5	9.8W	19 53.645	0.0021	15	-56 0 19.05	-0.010	15	0.24	53.620	15	38.2	18.93	18	38.2	A0	C9	3899	P -55 3325
85	8.4	8.6W	20 12.200	-0.0024	07	-53 30 48.50	0.002	07	0.18	12.229	15	38.2	48.53	18	38.2	A2	C9	3900	P -53 3683
86	8.1	7.9W	20 15.040	-0.0027	06	-58 31 39.80	-0.010	06	0.14	15.050	14	46.3	39.76	14	46.3	F2	CD	2951	P -58 2136
87	9.0	9.3W	20 15.748	-0.0038	13	-57 36 23.78	0.021	13	0.15	15.762	14	46.3	23.86	14	46.3	A0	CD	2952	P*-57 3065
88	9.0	7.7W	20 17.728	-0.0034	06	-54 20 1.84	-0.027	06	0.18	17.768	15	38.2	1.53	18	38.2	K2	C9	3901	P -53 3688
89	8.7	8.9W	20 21.339	-0.0024	13	-59 56 1.89	-0.009	13	0.15	21.348	14	46.3	1.86	14	46.3	B	CD	2953	P -59 2079
90		8.5T	20 21.907	-0.0069	10	-58 0 46.89	0.022	08	0.43	22.229	17	06.2	47.90	15	03.4	K0	GC	14254	P -57 3069
91		8.0T	20 24.745	-0.0036	16	-54 47 57.77	-0.010	12	0.71	24.910	21	04.4	57.29	19	99.9	A2	GC	14256	P -54 3529
92	10.1E	9.2Z	20 25.103	-0.0024	12	-50 49 28.09	-0.003	12	0.71	25.216	45	03.2	27.94	45	03.2	K0	CZ	8502	P -50 3394
93	9.0	8.2W	20 25.807	-0.0086	06	-53 30 40.21	0.069	06	0.18	25.908	15	38.2	41.03	18	38.2	G5	C9	3903	P -53 3696
94		9.7T	20 29.802	-0.0009	17	-58 1 28.45	-0.020	14	0.71	29.841	22	07.0	27.56	21	06.5	B9	GC	14259	P -57 3075
95		7.9T	20 34.622	-0.0033	12	-59 30 8.89	-0.010	09	0.53	34.787	19	04.8	8.40	18	99.5	B0	GC	14261	P -59 2080
96	10.2E	9.8Z	20 35.548	-0.0011	12	-50 31 57.38	-0.002	12	0.71	35.600	45	03.2	57.26	45	03.2		CZ	8505	P -50 3398
97	7.9E	8.2Z	20 42.432	-0.0031	12	-51 21 38.42	-0.023	12	0.66	42.583	31	01.2	37.29	31	01.2	B9	CZ	8508	P -50 3400
98	9.2	9.1W	20 45.702	-0.0016	13	-55 30 10.70	0.011	13	0.23	45.721	15	38.2	10.83	18	38.2	A2	C9	3904	P -55 3346
99	8.6	8.8W	20 46.639	-0.0010	07	-57 25 4.48	0.023	07	0.14	46.643	14	46.3	4.56	14	46.3	B5	CD	2957	P -57 3088
00	9.5	9.5W	20 53.073	-0.0013	06	-52 12 5.73	-0.009	06	0.18	53.089	15	38.2	5.62	18	38.2	F2	C9	3905	P -51 3267

238000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 10H DM NUMBER
1	9.5	9.6W	10 20 55.017	0.0030	15	-55 13 44.65	0.016	15	0.24	54.982	15	38.2	44.83	18	38.2	A0	C9	3906	P -54 3551
2	8.6	8.5W	20 55.427	-0.0066	07	-58 16 28.42	0.011	07	0.14	55.452	14	46.3	28.46	14	46.3	F0	C0	2958	P -57 3093
3	9.3	9.4W	20 56.947	-0.0018	07	-54 20 6.44	-0.001	07	0.18	56.968	15	38.2	6.43	18	38.2	B5	C9	3907	P -53 3709
4		7.2T	21 7.107	-0.0012	14	-50 16 27.56	0.021	12	0.70	7.165	22	01.7	28.65	21	98.0	F0	GC	14275	C -49 5205
5		6.6T	21 7.259	0.0002	18	-59 22 17.39	-0.032	14	0.74	7.248	19	07.5	15.97	19	05.0	B-	GC	14276	P*-58 2145
6	9.7	8.8W	21 16.891	-0.0100	06	-54 7 29.21	0.027	06	0.18	17.008	15	38.2	29.53	18	38.2	K0	C9	3908	P -53 3717
7	8.8	8.7W	21 18.197	-0.0013	06	-57 44 38.68	-0.006	06	0.14	18.202	14	46.3	38.66	14	46.3	B	C0	2960	P -57 3105
8		8.0T	21 24.497	-0.0178	22	-50 5 44.56	0.049	20	0.99	25.311	21	04.3	46.83	21	03.7	F5	GC	14282	C -49 5210
9	9.2	9.0W	21 27.242	0.0012	07	-59 54 17.36	-0.109	07	0.14	27.238	14	46.3	16.96	14	46.3	F8	C0	2795	P -59 2090
10	9.9		21 28.761	-0.0049	12	-52 36 32.92	0.008	12	0.22	28.819	15	38.2	33.02	18	38.2	B9	C9	3909	P -52 3541
11	8.6	9.1W	21 37.105	-0.0039	07	-58 44 38.53	0.008	07	0.14	37.119	14	46.3	38.56	14	46.3	B8	C0	2962	P -58 2156
12	9.4		21 40.614	-0.0039	15	-55 46 56.93	0.001	15	0.24	40.660	15	38.2	56.93	18	38.2	A0	C9	3910	P -55 3371
13	9.4	9.5W	21 42.187	-0.0032	13	-59 27 30.63	-0.018	13	0.15	42.199	14	46.3	30.56	14	46.3	A0	C0	2963	P -59 2091
14	9.6		21 42.543	-0.0030	07	-53 39 37.31	0.010	07	0.18	42.578	15	38.2	37.43	18	38.2	B3	C9	3911	P -53 3730
15	8.8	9.1W	21 47.202	-0.0025	09	-58 24 9.58	0.021	09	0.14	47.212	14	46.3	9.66	14	46.3	B9	C0	2964	P -58 2157
16	9.8	9.4W	21 47.837	-0.0080	15	-55 5 26.99	0.046	15	0.24	47.932	15	38.2	27.53	18	38.2	F0	C9	3912	P*-54 3575
17	9.0	9.1W	21 53.955	-0.0022	07	-57 23 17.90	0.016	07	0.14	53.963	14	46.3	17.96	14	46.3	B0	C0	2965	P -57 3125
18		7.2T	21 54.937	-0.0069	13	-58 57 9.86	0.029	10	0.58	55.279	21	05.4	11.28	19	00.2	K0	GC	14293	P -58 2159
19	10.1		21 58.021	-0.0091	14	-53 10 16.97	0.004	14	0.23	58.129	15	38.2	17.02	18	38.2	B9	C9	3913	P -52 3547
20	10.0	9.7W	21 58.390	-0.0075	14	-52 1 46.81	0.018	14	0.23	58.479	15	38.2	47.02	18	38.2	G0	C9	3914	P -51 3280
21		6.4T	22 0.819	-0.0001	13	-57 41 59.38	-0.008	09	0.52	0.825	17	08.4	58.98	17	01.7	K2	GC	14294	P*-57 3127
22	9.2	9.0W	22 4.411	-0.0105	07	-58 39 57.85	0.007	07	0.14	4.450	14	46.3	57.86	14	46.3	F0	C0	2968	P -58 2162
23	10.3E	9.0Z	22 5.943	-0.0006	12	-50 45 48.29	-0.026	12	0.65	5.972	31	01.9	47.03	28	01.9	K0	CZ	8534	P -50 3416
24	7.7	8.3W	22 6.036	-0.0019	07	-57 12 38.47	-0.001	07	0.14	6.043	14	46.3	38.46	14	46.3	B3	C0	2969	P -56 3250
25		8.5T	22 7.677	-0.0010	13	-59 15 35.16	-0.022	11	0.59	7.722	17	04.5	34.10	15	03.0	B0	GC	14296	P -58 2163
26	9.6E	9.5Z	22 8.900	-0.0053	12	-51 48 27.89	0.001	12	0.82	9.146	63	03.2	27.95	57	03.2	A3	CZ	8535	P -51 3282
27	9.7		22 10.823	0.0010	15	-55 13 18.64	0.025	15	0.24	10.812	15	38.2	18.94	18	38.2	A0	C9	3915	P -54 3582
28	9.6	9.7W	22 18.265	-0.0020	07	-52 33 8.29	0.011	07	0.18	18.289	15	38.2	8.42	18	38.2	A2	C9	3916	P -52 3552
29	8.6	7.8W	22 19.372	-0.0023	06	-53 28 25.51	-0.016	06	0.18	19.399	15	38.2	25.32	18	38.2	G5	C9	3917	P -53 3748
30	10.0	8.4W	22 21.819	-0.0008	07	-54 26 54.21	-0.007	07	0.18	21.828	15	38.2	54.13	18	38.2	K2	C9	3918	P -54 3588
31	10.3E	9.5Z	22 25.253	-0.0022	12	-51 46 39.15	-0.009	12	0.82	25.355	63	03.2	38.74	57	03.2	A2	CZ	8540	P -51 3286
32	9.7E	9.2*	22 28.176	0.0006	12	-51 54 28.70	-0.018	12	0.66	28.146	31	01.2	27.83	31	01.2	A2	CZ	8541	P -51 3287
33	9.7E	9.3Z	22 29.586	-0.0030	12	-51 27 36.80	-0.007	12	0.82	29.727	63	03.2	36.46	57	03.2	A5	CZ	8543	P -51 3288
34	9.0	9.1W	22 32.902	-0.0007	07	-56 0 33.49	-0.030	07	0.18	32.910	15	38.2	33.13	18	38.2	A2	C9	3919	P -55 3391
35	9.4	9.4W	22 33.985	-0.0073	09	-58 15 12.69	0.019	09	0.14	34.012	14	46.3	12.76	14	46.3	F5	C0	2971	P*-57 3143
36	10.2E	9.6H	22 34.728	-0.0006	12	-50 15 34.23	0.034	12	0.71	34.758	45	03.2	35.81	45	03.2	G5	CZ	8544	P -49 3425
37	8.0	7.8W	22 38.305	-0.0096	06	-53 45 36.30	-0.015	06	0.18	38.418	15	38.2	36.13	18	38.2	F5	C9	3920	P -53 3755
38		7.0T	22 39.043	-0.0019	15	-59 56 15.93	-0.031	12	0.71	39.141	21	01.4	14.32	18	97.5	MB	GC	14303	P -59 2101
39	9.2	9.2W	22 39.966	-0.0036	07	-58 34 33.05	0.083	07	0.14	39.980	14	46.3	33.36	14	46.3	A0	C0	2973	P*-58 2167
40		6.8T	22 43.747	-0.0003	13	-54 4 3.48	0.000	11	0.63	43.760	21	02.9	3.50	19	97.5	MB	GC	14307	P -53 3758
41	9.4E	8.9Z	22 44.785	-0.0014	12	-51 32 56.56	-0.005	12	0.82	44.850	63	03.2	56.32	57	03.2	A2	CZ	8548	P -51 3289
42	8.9	8.1W	22 48.001	-0.0003	06	-58 1 53.96	0.001	06	0.14	48.002	14	46.3	53.96	14	46.3	K0	C0	2974	P -57 3147
43	8.3	8.4W	22 54.903	-0.0013	07	-52 17 50.11	0.003	07	0.18	54.919	15	38.2	50.12	18	38.2	K2	C9	3922	P -51 3291
44	8.8	9.5W	23 3.451	-0.0017	07	-59 32 17.47	-0.003	07	0.14	3.458	14	46.3	17.46	14	46.3	B8	C0	2975	P -59 2111
45	8.0	8.3W	23 9.235	-0.0022	07	-56 49 55.67	-0.029	07	0.14	9.243	14	46.3	55.56	14	46.3	B9	C0	2976	P -56 3286
46		6.2T	23 10.379	-0.0097	11	-58 19 19.08	0.006	07	0.46	10.875	18	05.2	19.37	15	98.9	F0	GC	14319	P -57 3164
47	9.1	9.1W	23 14.817	-0.0015	07	-57 5 10.16	-0.028	07	0.14	14.823	14	46.3	10.06	14	46.3	F0	C0	2978	P -56 3288
48	8.9	7.8W	23 18.251	-0.0006	07	-56 48 33.80	-0.010	07	0.14	18.253	14	46.3	33.76	14	46.3	K0	C0	2979	P -56 3290
49	7.7	8.0W	23 18.328	-0.0001	07	-52 18 38.64	-0.001	07	0.18	18.329	15	38.2	38.62	18	38.2	A0	C9	3923	P -51 3294
50	9.4	9.2W	23 23.089	-0.0007	06	-57 57 14.29	-0.035	06	0.14	23.092	14	46.3	14.16	14	46.3	F8	C0	2980	P -57 3169
51	9.2	9.2W	10 23 24.510	-0.0036	07	-56 37 54.70	-0.010	07	0.14	24.523	14	46.3	54.66	14	46.3	A3	C0	2981	P -56 3293
52		7.0T	23 27.385	0.0003	14	-58 37 4.59	0.005	10	0.58	27.368	18	06.6	4.85	18	02.2	B9	GC	14324	P -58 2182
53	9.1	8.7W	23 31.380	0.0019	13	-57 18 43.60	-0.012	13	0.15	31.373	14	46.3	43.56	14	46.3	F8	C0	2983	P -56 3300
54		7.2T	23 51.161	-0.0051	11	-54 44 4.80	0.052	09	0.56	51.425	19	98.4	7.76	18	93.5	M0	GC	14331	P -54 3624
55	9.3	9.6W	23 54.485	-0.0020	11	-58 9 19.28	0.021	11	0.15	54.492	14	46.3	19.36	14	46.3	B8	C0	2984	P -57 3189
56	8.2	8.7W	23 57.961	0.0019	07	-56 21 57.86	-0.002	07	0.14	57.954	14	46.3	57.85	14	46.3	B8	C0	2985	P*-55 3419
57	8.9	8.8W	24 9.043	-0.0024	07	-57 34 19.31	0.013	07	0.14	9.052	14	46.3	19.36	14	46.3	B3	C0	2986	P -57 3197
58	8.7	8.7W	24 12.917	-0.0063	07	-55 12 19.22	0.044	07	0.18	12.992	15	38.2	19.74	18	38.2	A2	C9	3925	P -54 3635
59		7.0T	24 18.550	-0.0006	15	-53 38 12.14	-0.007	10	0.64	18.576	22	04.2	11.80	19	98.0	K5	GC	14341K	P -53 3793
60	8.5	8.1W	24 24.560	-0.0086	07	-55 13 18.37	-0.003	07	0.18	24.662	15	38.2	18.33	18	38.2	F5	C9	3928	P -54 3642
61			24 26.523	-0.0016	09	-55 13 19.61	0.002	09	0.20	26.542	15	38.2	19.63	18	38.2		C9	3929	P*-54 3642
62	9.3	8.5W	24 28.936	0.0012	07	-58 4 21.61	-0.013	07	0.14	28.932	14	46.3	21.56	14	46.3	K0	C0	2987	P -57 3213
63	8.3	8.3W	24 29.433	0.0001	07	-57 3 44.48	-0.004	07	0.14	29.433	14	46.3	44.46	14	46.3	B2	C0	2988	P -56 3322
64	9.3	9.6W	24 31.920	-0.0033	07	-53 10 53.13	-0.004	07	0.18	31.959	15	38.2	53.12	18	38.2	B8	C9	3930	P -52 3577
65	8.3	8.7W	24 42.659	-0.0024	14	-59 43 12.44	0.006	14	0.15	42.668	14	46.3	12.46	14	46.3	B9	C0	2989	P -59 2132
66	8.9E	8.5Z	24 46.833	-0.0021	12	-51 9 12.36	-0.010	12	0.65	46.935	31	01.9	11.87	28	01.9	A0	CZ	8571	P -50 3448
67		5.6T	24 53.044	-0.0009	09	-54 37 19.98	-0.010	06	0.31	53.077	10	14.0	19.60	10	10.1	K0	GC	14353	P -54 3651
68	9.6	9.2W	24 53.486	0.0006	07	-53 25 4.40	-0.024	07	0.18	53.479	15	38.2	4.12	18	38.2	F5	C9	3932	P -53 3808
69	9.2	9.5W	24 54.895	-0.0045	07	-52 22 15.34	-0.010	07	0.18	54.949	15	38.2	15.22	18	38.2	A0	C9	3933	P -51 3310
70	10.2E	10.0Z	25 1.907	-0.0015	12	-50 47 27.21	-0.000	12	0.71	1.977	45	03.2	27.20	45	03.2	F5	CZ	8575	P -50 3453
71		9.2T	25 2.305	-0.0063	20	-59 24 51.55	-0.010	17	0.87	2.600	24	05.5	51.05	22	02.9	G0	GC	14363	P -59 2135
72		7.4T	25 3.636	-0.0035	12	-57 21 6.26	-0.009	09	0.55	3.821	21	02.7	5.80	19	97.3	B0	GC	14364	P -56 3343
73	9.2E	7.8Z	25 4.278	-0.0020	12	-50 1 6.96	0.007	12	0.73	4.376	45	01.7	7.28	45	01.7	K5	CZ	8577	P -49 3464
74	9.5E	8.5Z	25 9.480	-0.0046	12	-51 16 52.58	0.008	12	0.82	9.696	63	03.2	52.94	57	03.2	K5	CZ	8584	P -50 3458
75	9.6E	9.0*	25 12.348	-0.0011	12	-50 23 55.24	0.002	12	0.65	12.403	31	01.9	55.32	28	01.9	A0	CZ	8586	P -50 3459
76	9.0	8.1W	25 32.063	-0.0132	07	-53 25 19.04	0.049	07	0.18	32.219	15	38.2	19.62	18	38.2	K0	C9	3934	P -53 3830
77		4.9T	25 32.427	-0.0015	09	-57 22 59.78	-0.002	05	0.30	32.493	10	13.3	59.70	09	06.5	F5P	GC	14373	P*-57 3256
78	8.4	8.9W	25 37.120	-0.0021	07	-59 41 23.12	0.011	07	0.14	37.128	14	46.3	23.16	14	46.3	B8	C0	2993	P -59 2144
79	10.4E	8.5Z	25 39.039	-0.0043	12	-51 20 6.53	-0.012	12	0.68	39.226	45	06.8	6.00	45	06.8	K5	CZ	8592	P -50 3464
80	8.9	8.0W	25 40.622	-0.0023	06	-53 38 53.10	0.002	06	0.18	40.648	15	38.2	53.13	18	38.2	K0	C9	3935	P -53 3834
81	9.3E	9.0Z	25 43.311	-0.0026	12	-50 2 53.72	0.011	12	0.73	43.438	45	01.7	54.23	45	01.7	A0	CZ	8594	P -49 3476
82	9.6	9.6W	25 47.744	-0.0038	07	-54 55 54.07	0.014	07	0.18	47.788	15	38.2	54.24	18	38.2	A2	C9	3936	P -54 3677
83	10.0		25 49.670	-0.0010	15	-55 8 15.71	0.053	15	0.24	49.682	15	38.2	16.34	18	38.2	B8	C9	3937	P -54 3678
84	7.9	7.9W	25 58.547	0.0007	07	-55 57 2.77	-0.005	07	0.14	58.545	14	46.3	2.75	14	46.3	A3	C0	2994	P -55 3469
85		4.1H	26 2.328	-0.0018	03	-58 29 1.15	-0.006	03	0.11	2.382	06	19.5	0.94	05	14.4	F0	F4	393	P -58 2227
86		6.9T	26 9.845	-0.0025	11	-56 56 32.11	0.021	08	0.55	9.983	21	99.6	33.29	18	94.8	B9	GC	14390	P -56 3386
87	9.3	8.0W	26 13.596	-0.0030	06	-55 3 52.93	-0.008	06	0.18	13.632	15	38.2	52.83	18	38.2	K2	C9	3939	P -54 3687
88	10.0E	9.2Z	26 14.064	-0.0003	12	-51 48 5.98	-0.013	12	0.68	14.076	45	06.8	5.43	45	06.8	A2	CZ	8602	P -51 3321
89	8.3	7.7W	26 19.004	-0.0072	09	-52 18 20.26	0.082	09	0.20	19.089	15	38.2	21.22	18	38.2	G5	C9	3940	P -51 3322
90	8.3	7.7W	26 19.497	-0.0120	07	-52 18 22.92	0.043	07	0.18	19.639	15	38.2	23.42	18	38.2	G5	C9	3941	P -51 3322
91	10.3E	9.0Z	26 22.793	0.0041	12	-51 26 56.01	-0.049	12	0.77	22.631	63	10.4	54.06	57	10.4	K2	CZ	8603	P -51 3323
92	9.2	9.4W	26 24.090	0.0002	14	-59 2 30.16	0.028	14	0.15	24.089	14	46.3	30.26	14	46.3	A3	C0	2997	P -58 2233
93	9.1E	8.5Z	26 27.650	-0.0021	12	-51 6 4.14	-0.035	12	0.68	27.740	45	06.8	2.61	45	06.8	F0	CZ	8605	P -50 3474
94	8.3E	8.5Z	26 30.805	-0.0003	12	-50 48 57.57	-0.001	12	0.62	30.819	31	04.2	57.51	28	04.2	A0	CZ	8606	P -50 3475
95	9.4	9.7W	26 35.716	-0.0028	06	-54 54 56.18	-0.004	06	0.18	35.748	15	38.2	56.14	18	38.2	B5	C9	3942	P -54 3700
96	9.5	9.5W	26 36.040	0.0025	07	-55 43 54.52	-0.016	07	0.18	36.010	15	38.2	54.33	18	38.2	A0	C9	3943	P -55 3482
97	10.3E	9.0Z	26 36.618	-0.0052	12	-51 31 45.98	0.005	12	0.77	36.823	63	10.4	46.17	57	10.4	K0	CZ	8608	P -51 3328
98	9.7	9.7W	26 37.951	-0.0032	14	-52 5 23.38	0.021	14	0.23	37.989	15	38.2	23.62	18	38.2	A3	C9	3944	P -51 3329
99	8.7	7.6W	26 41.181	-0.0024	07	-58 35 44.95	0.002	07	0.14	41.190	14	46.3	44.96	14	46.3	K0	C0	2998	P -58 2236
00	9.5	8.6W	26 49.854	-0.0029	07	-52 7 57.14	0.016	07	0.18	49.889	15	38.2	57.32	18	38.2	K0	C9	3946	P -51 3332

238100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.4	9.3W	10 26 53.896	-0.0019	07	-54 27 47.73	0.008	07	0.18	53.918	15	38.2	47.83	18	38.2	F0	C9	3947	P -54 3710
2		7.2Q	26 54.781	-0.0030	07	-56 58 37.70	0.005	06	0.30	54.913	12	10.8	37.93	12	06.2	K0	GC	14401	P -56 3413
3	8.8	9.1W	26 57.909	-0.0036	09	-58 8 50.19	0.019	09	0.14	57.922	14	46.3	50.26	14	46.3	B8	C0	3000	P -57 3312
4	8.8	8.3W	27 2.491	-0.0003	07	-57 47 56.89	-0.035	07	0.14	2.492	14	46.3	56.76	14	46.3	F8	C0	3001	P -57 3313
5	9.2	9.4W	27 5.535	-0.0020	07	-54 59 40.59	-0.005	07	0.18	5.538	15	38.2	40.54	18	38.2	A0	C9	3948	P -54 3719
6	9.6	8.8W	27 5.872	0.0003	09	-54 25 19.44	-0.001	09	0.20	5.869	15	38.2	19.43	18	38.2	K0	C9	3949	P+ -54 3716
7	7.7	8.1W	27 11.502	-0.0016	06	-59 50 35.09	-0.007	06	0.14	11.508	14	46.3	35.06	14	46.3	A0	C0	3002	P -59 2160
8	8.7	8.9W	27 12.716	0.0012	07	-58 11 57.48	-0.005	07	0.14	12.712	14	46.3	57.46	14	46.3	A0	C0	3003	P -57 3320
9		7.8T	27 16.936	0.0028	13	-59 21 17.74	0.013	09	0.59	16.789	21	04.6	18.44	18	98.2	A2	GC	14420	P -58 2245
10	9.0	9.4W	27 20.137	-0.0034	07	-58 54 53.76	0.001	07	0.14	20.149	14	46.3	53.76	14	46.3	B9	C0	3005	P -58 2247
11	9.8E	9.5W	27 20.410	-0.0012	12	-50 18 50.59	-0.003	12	0.68	20.464	45	06.8	50.44	45	06.8	F3	CZ	8619	P -49 3499
12	8.9	9.2W	27 24.189	-0.0042	13	-56 16 3.62	-0.018	13	0.15	24.205	14	46.3	3.55	14	46.3	B9	C0	3006	P -55 3502
13	8.6	9.0W	27 26.022	-0.0003	13	-56 33 6.62	-0.017	13	0.15	26.023	14	46.3	6.56	14	46.3	B9	C0	3007	P -56 3428
14	9.8		27 27.415	-0.0012	07	-53 6 42.25	-0.002	07	0.18	27.429	15	38.2	42.22	18	38.2	A0	C9	3950	P -52 3610
15	9.3	8.4W	27 29.175	-0.0003	06	-52 30 34.27	0.021	06	0.18	29.179	15	38.2	34.52	18	38.2	K2	C9	3951	P -52 3611
16	9.8		27 32.899	0.0000	07	-53 46 30.51	0.018	07	0.18	32.898	15	38.2	30.73	18	38.2	A0	C9	3952	P -53 3874
17	8.5	8.8W	27 42.506	-0.0018	07	-57 14 19.47	-0.001	07	0.14	42.513	14	46.3	19.46	14	46.3	A0	C0	3008	P -56 3433
18	8.9E	9.0Z	27 44.830	0.0000	12	-51 33 21.58	0.011	12	0.62	44.828	31	04.8	22.06	31	04.8	A2	CZ	8624	P -51 3342
19	8.2	8.7W	27 52.105	-0.0020	06	-53 48 14.01	0.001	06	0.18	52.128	15	38.2	14.03	18	38.2	A0	C9	3953	P -53 3881
20		7.5T	27 57.925	0.0007	13	-54 43 16.89	-0.021	08	0.58	57.893	21	02.8	15.71	18	92.5	A2	GC	14435	P -54 3740
21	9.2	9.5W	28 2.819	-0.0016	07	-56 25 3.73	0.005	07	0.14	2.825	14	46.3	3.75	14	46.3	B9	C0	3009	P -56 3441
22	7.8	8.0W	28 7.972	-0.0006	06	-53 5 12.03	-0.001	06	0.18	7.979	15	38.2	12.02	18	38.2	B9	C9	3955	P -52 3623
23	9.4	9.4W	28 8.335	0.0005	07	-54 36 21.30	0.003	07	0.18	8.328	15	38.2	21.34	18	38.2	A0	C9	3956	P -54 3743
24	8.8	8.6W	28 10.051	0.0009	07	-59 40 1.76	-0.028	07	0.14	10.048	14	46.3	1.66	14	46.3	F8	C0	3010	P -59 2173
25	9.8	9.7W	28 12.700	-0.0007	09	-52 8 11.12	0.009	09	0.20	12.709	15	38.2	11.22	18	38.2	A0	C9	3957	P -51 3351
26	9.6	8.7W	28 12.787	-0.0010	06	-52 31 55.63	-0.001	06	0.18	12.799	15	38.2	55.62	18	38.2	G5	C9	3958	P -52 3625
27	9.4	9.4W	28 17.003	-0.0030	06	-53 46 47.72	0.009	06	0.18	17.038	15	38.2	47.83	18	38.2	B9	C9	3959	P -53 3889
28	9.4	9.0W	28 26.484	-0.0095	06	-59 29 39.12	0.039	06	0.14	26.519	14	46.3	39.26	14	46.3	F2	C0	3011	P -59 2177
29	8.7	9.0W	28 28.129	-0.0001	06	-58 45 46.82	0.010	06	0.14	28.129	14	46.3	46.86	14	46.3	B8	C0	3012	P -58 2263
30		6.9T	28 28.343	0.0005	13	-56 49 13.74	-0.011	11	0.62	28.317	21	02.3	13.19	19	98.1	B8	GC	14441	P+ -56 3448
31	8.9	7.9W	28 33.610	-0.0036	07	-57 17 3.10	-0.012	07	0.14	33.623	14	46.3	3.06	14	46.3	K0	C0	3014	P -56 3450
32	9.9		28 38.813	-0.0030	15	-54 55 59.13	0.001	15	0.24	38.848	15	38.2	59.14	18	38.2	A0	C9	3961	P -54 3752
33	9.4	8.4W	28 38.816	-0.0022	07	-55 10 37.67	-0.003	07	0.18	38.842	15	38.2	37.63	18	38.2	K2	C9	3960	P -54 3753
34	9.7	8.0W	28 40.464	-0.0022	07	-55 40 57.58	-0.012	07	0.18	40.490	15	38.2	57.43	18	38.2	K5	C9	3962	P -55 3518
35	10.2E	9.0Z	28 42.912	-0.0025	12	-50 48 53.02	0.007	12	0.68	43.020	45	06.8	53.31	45	06.8	K0	CZ	8637	P -50 3502
36		7.9T	28 46.474	0.0029	18	-54 13 27.59	-0.011	18	0.82	46.346	22	06.3	27.13	22	06.7	K5	GC	14447	P -53 3899
37	10.0E	9.4Z	28 47.698	0.0034	12	-51 54 36.49	-0.014	12	0.77	47.562	63	10.4	35.95	57	10.4	G0	CZ	8641	P -51 3355
38	9.4	8.6W	28 48.262	0.0003	07	-54 15 20.32	-0.016	07	0.18	48.258	15	38.2	20.13	18	38.2	K0	C9	3964	P -53 3900
39		8.4T	28 52.972	-0.0050	18	-53 45 22.01	0.002	15	0.79	53.188	22	06.4	22.13	22	01.6	B9	GC	14451	P -53 3902
40		8.0T	28 53.131	-0.0146	14	-57 20 31.98	0.001	13	0.67	53.820	21	04.4	32.04	21	02.8	F0	GC	14452	P -56 3456
41	8.8	9.0W	28 58.790	-0.0044	07	-55 26 57.58	-0.012	07	0.18	58.842	15	38.2	57.43	18	38.2	B8	C9	3966	P -55 3521
42		8.7T	29 11.336	0.0028	15	-58 27 2.45	-0.023	13	0.63	11.213	18	07.8	1.42	18	05.8	A0	GC	14459	P -58 2268
43	9.2	9.5W	29 12.376	-0.0037	13	-58 59 41.82	0.011	13	0.15	12.389	14	46.3	41.86	14	46.3	A0	C0	3017	P -58 2269
44		8.3T	29 15.786	-0.0018	13	-57 47 31.79	-0.022	10	0.54	15.872	18	06.8	30.73	17	02.3	A0	GC	14463	P -57 3366
45	9.1	9.5W	29 23.226	-0.0031	07	-59 35 53.46	-0.000	07	0.14	23.238	14	46.3	53.46	14	46.3	A0	C0	3019	P -59 2191
46		5.1T	29 24.989	-0.0470	09	-53 27 39.50	0.201	05	0.31	26.792	12	11.7	49.03	12	02.7	G0	GC	14464K	P+ -53 3909
47	9.3E	8.8Z	29 27.217	-0.0008	12	-51 37 31.30	-0.001	12	0.77	27.249	63	10.4	37.26	57	10.4	K0	CZ	8649	P -50 3516
48		8.8T	29 30.497	-0.0053	32	-53 27 45.18	0.001	12	1.06	30.721	26	08.0	45.25	24	01.7	K5	GC	14467K	P -53 3909
49	9.4	9.2W	29 34.134	-0.0021	07	-54 58 1.59	0.012	07	0.18	34.158	15	38.2	1.74	18	38.2	A2	C9	3969	P -54 3764
50	8.7	8.8W	29 46.399	-0.0011	07	-57 3 16.52	-0.043	07	0.14	46.403	14	46.3	16.36	14	46.3	A0	C0	3020	P -56 3469
51	9.4	9.5W	10 29 47.277	0.0016	06	-53 49 16.78	-0.013	06	0.18	47.258	15	38.2	16.63	18	38.2	A0	C9	3970	P -53 3913
52		7.3T	29 50.789	-0.0002	13	-51 58 27.29	-0.005	12	0.68	50.800	22	00.7	27.00	19	96.1	B8	GC	14479K	C+ -51 4825
53	8.7	9.0W	30 4.270	-0.0015	06	-54 42 45.48	-0.005	06	0.18	4.288	15	38.2	45.41	18	38.2	B9	C9	3972	P -54 3773
54	10.1		30 11.812	-0.0064	12	-52 59 40.73	-0.028	12	0.22	11.888	15	38.2	40.40	18	38.2	A2	C9	3973	P -52 3652
55	10.4E	9.3H	30 19.821	-0.0032	12	-50 22 34.01	0.003	12	0.62	19.967	31	04.2	34.15	28	04.2	K2	CZ	8660	P -49 3538
56	9.5	8.5W	30 20.183	-0.0032	07	-55 51 13.79	0.008	07	0.14	20.195	14	46.3	13.82	14	46.3	K5	C0	3021	P -55 3543
57	8.7	9.0W	30 21.777	-0.0001	06	-52 27 8.06	-0.005	06	0.18	21.778	15	38.2	8.00	18	38.2	A0	C9	3975	P -52 3655
58		8.8T	30 23.106	0.0018	18	-59 36 28.54	-0.015	17	0.84	23.021	24	04.9	27.83	22	03.6	G5	GC	14492K	P+ -59 2197
59		8.0T	30 28.356	-0.0039	14	-58 17 16.47	0.002	10	0.58	28.340	19	06.3	16.57	18	02.5	B8	GC	14494	P -57 3397
60	9.3	8.4W	30 31.829	-0.0003	06	-59 20 46.44	-0.001	06	0.14	31.830	14	46.3	46.44	14	46.3	K0	C0	3024	P -58 2280
61		8.0T	30 37.208	-0.0015	13	-59 36 27.81	-0.008	12	0.55	37.269	19	08.4	27.46	18	08.1	F0	GC	14500	P -59 2198
62	9.8	8.4W	30 38.275	-0.0020	07	-57 56 29.05	-0.004	07	0.14	38.282	14	46.3	29.04	14	46.3	K5	C0	3026	P -57 3403
63	11.1E	9.5Z	30 38.544	-0.0061	12	-51 2 8.44	-0.006	12	0.62	38.825	31	04.3	8.18	28	04.3		CZ	8665	P -50 3522
64	8.8	7.8W	30 42.118	-0.0008	07	-52 52 55.86	-0.005	07	0.18	42.128	15	38.2	55.80	18	38.2	K0	C9	3976	P -52 3661
65	9.3	9.4W	30 42.329	-0.0007	07	-54 28 26.22	-0.001	07	0.18	42.338	15	38.2	26.20	18	38.2	A2	C9	3977	P -54 3783
66	9.0E	8.5Z	30 43.215	-0.0039	12	-51 46 11.04	0.002	12	0.62	43.392	31	04.8	11.12	31	04.8	F2	CZ	8667	P -51 3381
67	9.4	9.9W	30 46.052	-0.0044	07	-55 28 56.89	0.010	07	0.18	46.103	15	38.2	57.01	18	38.2	A0	C9	3978	P -55 3549
68		6.2T	30 55.025	-0.0029	09	-58 24 31.25	-0.003	08	0.45	55.174	17	02.3	31.10	15	98.4	A2P	GC	14508	P+ -58 2285
69	9.4E	8.8Z	31 0.139	-0.0019	12	-51 16 28.78	-0.011	12	0.77	0.215	63	10.4	28.35	57	10.4	K2	CZ	8674	P -50 3528
70	10.0	9.0W	31 7.084	-0.0037	07	-52 42 31.38	0.010	07	0.18	7.128	15	38.2	31.50	18	38.2	K2	C9	3979	P -52 3667
71		7.5T	31 7.440	-0.0043	13	-59 51 18.56	0.014	10	0.56	7.644	19	05.7	19.22	18	02.1	A3	GC	14511	P -59 2208
72	8.8	9.1W	31 9.083	-0.0029	06	-53 43 24.90	0.001	06	0.18	9.118	15	38.2	24.90	18	38.2	A2	C9	3980	P -53 3934
73	8.9	9.0W	31 11.182	-0.0034	07	-55 38 27.74	-0.020	07	0.18	11.222	15	38.2	27.51	18	38.2	A0	C9	3981	P -55 3555
74	8.8	9.1W	31 11.672	-0.0005	07	-53 1 8.01	-0.001	07	0.18	11.678	15	38.2	8.00	18	38.2	A0	C9	3982	P -52 3671
75		8.7T	31 15.902	-0.0010	16	-59 31 14.85	0.002	16	0.73	15.945	21	06.4	14.92	21	05.8	B9	GC	14512	P -59 2210
76		7.2Q	31 17.406	-0.0019	13	-55 7 43.66	-0.020	11	0.63	17.505	21	02.8	42.62	19	98.9	G	GC	14513	P+ -54 3797
77		8.5W	31 17.501	0.0006	04	-55 7 42.38	0.002	04	0.17	17.493	15	38.2	42.41	18	38.2	G5	C9	3983	P -54 3795
78			31 17.716	0.0011	07	-58 14 25.45	-0.005	07	0.14	17.712	14	46.3	25.43	14	46.3	F5	C0	3030V	P+ -57 3424
79		8.4T	31 18.652	0.0003	22	-57 54 43.17	0.021	18	0.87	18.638	21	09.2	44.05	21	08.1	B2	GC	14516	P -57 3423
80		7.8T	31 18.987	-0.0006	13	-55 7 20.15	0.006	11	0.63	19.019	21	03.0	20.44	19	98.9	A0	GC	14517K	P+ -54 3797
81		9.3T	31 23.211	0.0012	16	-59 30 21.51	-0.004	15	0.71	23.156	21	06.6	21.32	21	05.5	A2	GC	14519	P -59 2212
82		6.2T	31 31.644	-0.0020	09	-57 55 54.99	-0.006	07	0.42	31.743	17	04.3	54.69	15	00.2	B8	GC	14522	P+ -57 3431
83	9.3	9.4W	31 34.211	-0.0018	07	-55 30 27.22	-0.001	07	0.18	34.232	15	38.2	27.21	18	38.2	A3	C9	3986	P -55 3561
84		7.3T	31 35.653	-0.0016	13	-59 9 39.26	-0.019	10	0.57	35.732	19	05.8	38.33	18	01.5	G5P	GC	14523	P -58 2295
85	10.2	9.5W	31 37.325	-0.0028	14	-53 12 52.90	0.017	14	0.23	37.358	15	38.2	53.10	18	38.2	G0	C9	3987	P -52 3678
86	9.8		31 37.385	-0.0028	14	-53 16 23.40	-0.000	14	0.23	37.418	15	38.2	23.40	18	38.2	A0	C9	3988	P -52 3677
87	10.3	9.8W	31 37.733	-0.0063	14	-52 55 36.28	0.027	14	0.23	37.808	15	38.2	36.60	18	38.2	F6	C9	3989	P -52 3679
88	9.6	9.4W	31 43.803	-0.0004	07	-52 2 58.99	0.009	07	0.18	43.808	15	38.2	59.10	18	38.2	F2	C9	3990	P -51 3394
89	10.1E	9.4Z	31 47.722	-0.0027	12	-50 50 18.61	-0.021	12	0.65	47.844	36	05.3	17.68	36	05.3	K	CZ	8684D	P+ -50 3534
90	10.1E	8.7Z	31 49.030	-0.0011	12	-50 49 47.04	-0.003	12	0.65	49.081	36	05.3	46.92	36	05.3		CZ	8685D	P -50 3536
91	9.2	9.6W	31 55.654	-0.0029	06	-52 56 47.52	0.015	06	0.18	55.668	15	38.2	47.70	18	38.2	B8	C9	3991	P -52 3686
92	10.0		31 57.651	-0.0014	07	-52 57 59.47	-0.006	07	0.18	57.668	15	38.2	59.40	18	38.2	A2	C9	3992	P -52 3688
93	10.1	9.5W	32 4.346	-0.0027	07	-51 55 22.54	0.013	07	0.18	4.378	15	38.2	22.70	18	38.2	K2	C9	3993	P -51 3399
94	8.8	8.8W	32 8.084	-0.0022	07	-52 14 10.45	-0.013	07	0.18	8.058	15	38.2	10.30	18	38.2	A3	C9	3994	P -51 3401
95	10.0		32 13.486	-0.0027	15	-53 22 25.41	0.041	15	0.24	13.518	15	38.2	25.90	18	38.2	A2	C9	3995	P -52 3690
96	9.0	8.0W	32 20.071	-0.0035	07	-56 43 15.56	-0.061	07	0.14	20.084	14	46.3	15.33	14	46.3	K0	C0	3035	P+ -56 3518
97	9.1	9.6W	32 20.506	-0.0010	07	-52 50 59.76	0.003	07	0.18	20.518	15	38.2	59.80	18	38.2	B8	C9	3996	P -52 3693
98	9.4E	9.2Z	32 24.302	-0.0017	12	-51 26 44.31	-0.007	12	0.77	24.368	63	10.4	44.03	57	10.4	A0	CZ	8701	P -51 3403
99	8.3	8.4W	32 25.969	-0.0037	07	-55 39 17.82	0.016	07	0.18	26.012	15	38.2	18.01	18	38.2	A2	C9	3997	P -55 3578
00	9.0	9.1W	32 26.650	-0.0006	07	-58 21 10.33	0.002	07	0.14	26.652	14	46.3	10.33	14	46.3	B8	C0	3036	P -57 3451

238200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 10H DM NUMBER
1	8.8	8.8W	10 32 33.636	-0.0021	07	-57 5 20.30	-0.018	07	0.14	33.644	14	46.3	20.23	14	46.3	B2	C0	3037	P -56 3521
2	9.5	9.6W	32 36.470	0.0019	07	-53 29 35.23	0.006	07	0.18	36.448	15	38.2	35.30	18	38.2	A3	C9	3998	P -53 3955
3	10.1		32 47.032	-0.0039	14	-53 8 58.54	0.039	14	0.23	47.078	15	38.2	59.00	18	38.2	B9	C9	3999	P -52 3701
4	10.2		32 48.642	-0.0047	14	-52 54 12.20	0.025	14	0.23	48.698	15	38.2	12.50	18	38.2	A0	C9	4000	P -52 3702
5	8.7E	9.0Z	32 49.023	0.0005	12	-50 11 0.37	-0.017	12	0.65	48.999	31	01.3	-59.53	28	01.3	B9	CZ	8708	P -49 3569
6	9.2	9.5W	32 49.318	-0.0033	07	-58 49 48.00	-0.019	07	0.14	49.330	14	46.3	47.93	14	46.3	B9	C0	3038	P -58 2323
7	8.0	8.2W	32 52.254	-0.0021	06	-57 53 49.71	0.007	06	0.14	52.262	14	46.3	49.74	14	46.3	OE5	C0	3039	P -57 3463
8	9.3	9.8W	32 52.278	0.0001	13	-59 38 41.64	-0.001	13	0.15	52.278	14	46.3	41.63	14	46.3	B9	C0	3040	P -59 2236
9	10.0		32 56.847	-0.0060	12	-52 31 6.21	0.024	12	0.22	56.918	15	38.2	6.50	18	38.2	A2	C9	4001	P -52 3706
10	9.1	9.5W	32 57.416	-0.0027	06	-54 25 6.08	-0.015	06	0.18	57.448	15	38.2	5.90	18	38.2	A0	C9	4002	P -54 3825
11	9.6	9.7W	32 57.570	-0.0049	14	-51 55 40.64	0.064	14	0.23	57.628	15	38.2	41.40	18	38.2	A2	C9	4003	P -51 3408
12	8.1	8.6W	32 58.403	-0.0015	06	-59 55 40.85	-0.004	06	0.14	58.408	14	46.3	40.84	14	46.3	B0	C0	2861	P -59 2239
13		8.7T	33 0.211	-0.0004	18	-55 8 56.74	-0.021	18	0.83	0.230	22	06.4	55.80	22	06.0	F0	GC	14554	P -54 3826
14		7.3T	33 6.579	-0.0071	11	-55 9 1.01	-0.055	11	0.60	6.946	21	01.0	-58.16	19	98.5	G0	GC	14555	P -54 3829
15		8.8T	33 7.019	-0.0044	14	-57 34 10.59	-0.021	12	0.59	7.209	19	07.5	9.68	18	06.3	A0	GC	14556	P -57 3471
16	10.0E	9.5Z	33 7.656	-0.0013	12	-51 40 50.06	-0.006	12	0.77	7.708	63	10.4	49.81	57	10.4	A2	CZ	8715	P -51 3415
17		7.0T	33 9.480	-0.0037	10	-57 25 5.72	-0.023	08	0.47	9.664	18	02.0	4.55	15	99.7	K0	GC	14557K	P*-57 3472
18	9.6	9.7W	33 25.829	-0.0007	07	-54 16 32.78	-0.006	07	0.18	25.838	15	38.2	32.70	18	38.2	A0	C9	4006	P -53 3974
19	9.8E	9.2Z	33 28.166	-0.0004	12	-51 43 36.23	-0.014	12	0.77	28.182	63	10.4	35.67	57	10.4	A0	CZ	8723	P -51 3424
20	9.2E	9.0Z	33 30.320	-0.0034	12	-51 47 44.87	0.039	12	0.77	30.456	63	10.4	46.43	57	10.4	F5	CZ	8724	P -51 3425
21	9.9E	9.5Z	33 37.157	-0.0005	12	-51 25 45.11	-0.010	12	0.77	37.175	63	10.4	44.71	57	10.4	F0	CZ	8726	P -51 3428
22		4.5T	33 39.731	-0.0027	06	-57 17 53.77	-0.003	05	0.29	39.863	12	03.9	53.61	10	00.5	K5	GC	14570	P*-56 3544
23	10.2		33 40.707	-0.0060	14	-53 18 19.91	-0.018	14	0.23	40.778	15	38.2	19.70	18	38.2	A2	C9	4007	P -52 3714
24	9.5	9.4W	33 44.981	-0.0027	07	-55 34 51.35	-0.004	07	0.18	45.012	15	38.2	51.31	18	38.2	A2	C9	4008	P -55 3607
25		7.0T	33 47.324	-0.0003	11	-57 56 0.34	0.001	09	0.48	47.337	17	03.7	0.39	15	01.1	B0	GC	14573	P -57 3499
26		8.1T	33 47.431	-0.0031	18	-51 10 10.01	-0.012	14	0.82	47.577	19	02.6	9.39	18	99.1	K5	GC	14574	C -50 5264
27	8.4	8.7W	33 47.431	-0.0023	07	-54 1 58.69	0.010	07	0.18	47.458	15	38.2	58.80	18	38.2	B9	C9	4009	P -53 3977
28		7.0T	33 48.907	-0.0066	14	-57 59 10.20	-0.025	13	0.62	49.192	19	07.5	9.12	19	06.8		GC	14577	P -57 3502
29	9.8	10.0W	33 51.983	-0.0018	12	-59 20 25.78	-0.012	12	0.15	51.990	14	46.3	25.74	14	46.3	A3	C0	3047	P -58 2348
30		6.9T	33 54.631	-0.0003	11	-57 57 54.19	-0.017	07	0.48	54.646	19	03.8	53.27	17	95.8	B0	GC	14579	P -57 3508
31	9.0	9.4W	33 55.657	-0.0063	07	-58 45 38.70	-0.018	07	0.14	55.680	14	46.3	38.64	14	46.3	A0	C0	3049	P -58 2349
32	9.7	8.7W	33 57.260	0.0002	06	-53 41 24.13	-0.010	06	0.18	57.258	15	38.2	24.01	18	38.2	K0	C9	4010	P -53 3981
33		8.7W	33 59.476	-0.0045	13	-57 59 52.97	-0.009	13	0.15	59.492	14	46.3	52.93	14	46.3	B	C0	3050	P -57 3516
34	9.2E	8.5Z	34 3.245	-0.0054	12	-51 36 42.85	0.002	12	0.77	3.460	63	10.4	42.92	57	10.4	K0	CZ	8734	P -51 3431
35		9.1T	34 13.724	0.0048	22	-57 57 28.73	0.021	18	0.87	13.519	21	09.2	29.63	21	07.6	B	GC	14586	P -57 3533
36		7.8T	34 16.494	-0.0044	20	-57 36 12.94	-0.025	13	0.72	16.684	21	10.4	11.86	19	06.5	K5	GC	14589	P -57 3535
37		8.1T	34 18.646	0.0022	14	-59 55 20.37	-0.034	11	0.62	18.537	19	05.2	18.70	18	01.2	B3	GC	14591	P -59 2292
38	8.2	8.4W	34 21.242	-0.0027	07	-58 1 3.57	-0.009	07	0.14	21.252	14	46.3	3.53	14	46.3	B0	C0	3054	P -57 3540
39	9.8	9.6W	34 23.300	-0.0032	15	-54 35 5.41	0.001	15	0.24	23.338	15	38.2	5.41	18	38.2	F0	C9	4011	P -54 3853
40	10.1E	9.2Z	34 23.935	-0.0018	12	-50 22 51.82	-0.005	12	0.69	24.014	45	06.3	51.59	45	06.3	K0	CZ	8739	P -49 3595
41	9.1	8.7W	34 26.160	-0.0079	07	-55 6 26.64	-0.011	07	0.18	26.253	15	38.2	26.51	18	38.2	G0	C9	4012	P -54 3854
42		5.3T	34 27.798	-0.0074	09	-59 18 15.19	-0.056	05	0.30	28.105	10	13.9	12.88	10	08.8	K0	GC	14594	P*-58 2371
43	8.6	8.6W	34 28.243	-0.0052	09	-57 40 57.33	0.000	09	0.14	28.263	14	46.3	57.33	14	46.3	B2	C0	3056	P*-57 3545
44	8.7	8.2W	34 28.738	-0.0006	06	-58 46 31.37	-0.010	06	0.14	28.740	14	46.3	31.34	14	46.3	F5	C0	3057	P -58 2370
45	9.7		34 30.856	-0.0018	07	-54 50 57.35	0.006	07	0.18	30.878	15	38.2	57.41	18	38.2	A0	C9	4014	P -54 3856
46	9.8E	9.5Z	34 32.156	-0.0028	12	-51 50 35.67	-0.008	12	0.62	32.284	31	04.8	35.32	31	04.8	A3	CZ	8741	P -51 3442
47		7.3T	34 39.251	-0.0026	11	-58 55 50.32	-0.007	09	0.50	39.378	18	04.7	49.98	17	01.7	B5	GC	14598	P -58 2380
48		8.3T	34 44.324	0.0014	20	-54 57 32.06	-0.030	20	0.91	44.260	24	05.5	30.71	24	05.1	K5	GC	14600	P -54 3863
49	8.1	8.4W	34 45.157	-0.0009	06	-59 5 43.32	0.005	06	0.14	45.160	14	46.3	43.33	14	46.3	A	C0	3059	P -58 2386
50		7.7T	34 46.274	-0.0035	12	-58 54 28.22	0.017	10	0.51	46.437	18	06.8	29.00	18	03.8	B5	GC	14602	P -58 2387
51	8.7	8.7W	10 34 47.663	-0.0074	07	-59 2 55.75	-0.005	07	0.14	47.690	14	46.3	55.73	14	46.3	A2	C0	3061	P -58 2388
52	8.4	8.4W	34 48.374	-0.0059	06	-55 3 56.77	0.020	06	0.18	48.443	15	38.2	57.01	18	38.2	A0	C9	4015	P -54 3865
53	8.6	8.6W	34 51.856	-0.0017	06	-58 2 17.63	0.001	06	0.14	51.862	14	46.3	17.64	14	46.3	A3	C0	3062	P -57 3563
54	8.4E	8.0Z	34 54.224	0.0001	12	-50 37 4.03	0.015	12	0.62	54.218	31	04.0	4.70	28	04.0	G5	CZ	8747	P -50 3584
55	10.1E	9.2Z	34 56.089	0.0012	12	-50 25 46.17	-0.005	12	0.69	56.037	45	06.3	45.94	45	06.3	A5	CZ	8748	P -50 3586
56		7.5T	34 56.397	0.0022	13	-53 58 41.44	0.004	12	0.65	56.293	21	02.7	41.64	19	99.5	K0	GC	14607	P -53 3998
57	9.4	9.7W	35 1.945	-0.0023	15	-56 0 35.92	-0.027	15	0.24	1.972	15	38.2	35.61	18	38.2	B9	C9	4018	P -55 3630
58	9.5	9.5W	35 5.858	-0.0042	06	-52 51 14.52	-0.010	06	0.18	5.908	15	38.2	14.40	18	38.2	A2	C9	4019	P -52 3735
59	8.4	8.1W	35 7.974	-0.0096	05	-54 56 8.10	0.018	05	0.18	8.088	15	38.2	8.31	18	38.2	G0	C9	4020	P -54 3873
60		6.7T	35 15.008	-0.0008	13	-53 35 42.70	0.003	10	0.61	15.045	19	02.8	42.85	19	97.3	B3	GC	14617	P -53 4002
61	10.5E	9.2Z	35 15.542	-0.0012	12	-51 30 34.65	-0.000	12	0.77	15.590	63	10.4	34.65	57	10.4		CZ	8756	P -51 3452
62	9.5	9.6W	35 16.917	-0.0094	15	-54 39 29.20	-0.007	15	0.24	17.028	15	38.2	29.11	18	38.2	A0	C9	4022	P -54 3876
63	10.2E	9.2Z	35 18.912	0.0002	12	-51 33 4.21	-0.070	12	0.77	18.905	63	10.4	1.43	57	10.4	K0	CZ	8757	P -51 3453
64	9.8	8.8W	35 20.661	0.0020	07	-53 21 25.39	-0.016	07	0.18	20.638	15	38.2	25.20	18	38.2	K0	C9	4023	P -52 3741
65			35 21.841	-0.0025	07	-58 58 47.08	-0.013	07	0.14	21.850	14	46.3	47.03	14	46.3	B9	C0	3063V	P*-58 2404
66		9.4T	35 23.922	0.0013	17	-58 22 6.34	-0.020	17	0.72	23.869	24	09.4	5.53	22	09.5	A2	GC	14618	P -57 3580
67	9.2	9.5W	35 24.038	-0.0012	11	-58 10 0.63	0.002	11	0.15	24.042	14	46.3	0.63	14	46.3	B9	C0	3065	P -57 3579
68	10.2E	9.8Z	35 24.673	0.0000	12	-50 39 1.54	-0.012	12	0.69	24.671	45	06.3	1.00	45	06.3		CZ	8759	P -50 3592
69		8.4T	35 27.438	-0.0003	15	-58 21 47.01	-0.013	11	0.60	27.451	19	07.6	46.43	17	05.5	OE5	GC	14621K	P*-57 3584
70	8.2	8.6W	35 27.943	-0.0018	06	-58 55 11.89	-0.016	06	0.14	27.950	14	46.3	11.83	14	46.3	B9	C0	3067	P -58 2406
71		5.6T	35 32.300	-0.0040	09	-58 28 23.72	-0.001	06	0.33	32.477	12	11.5	23.68	12	05.6	A2P	GC	14622	P*-58 2411
72	9.7	9.9W	35 50.100	-0.0026	13	-59 14 11.38	-0.012	13	0.15	50.110	14	46.3	11.34	14	46.3	A	C0	3069	P -58 2423
73	9.6		35 50.565	-0.0011	15	-54 25 47.56	0.046	15	0.24	50.578	15	38.2	48.10	18	38.2	B9	C9	4024	P*-54 3884
74	9.0	9.1W	35 54.086	-0.0032	07	-55 22 39.74	-0.003	07	0.18	54.123	15	38.2	39.71	18	38.2	A5	C9	4025	P -54 3885
75	9.1	9.5W	35 56.212	-0.0018	07	-55 15 19.36	0.004	07	0.18	56.233	15	38.2	19.41	18	38.2	B9	C9	4026	P -54 3886
76	9.0	9.0W	36 2.946	-0.0006	07	-59 46 20.18	-0.013	07	0.14	2.949	14	46.3	20.13	14	46.3	B8	C0	3070	P -59 2345
77	9.2	9.5W	36 3.923	-0.0020	07	-59 8 34.60	-0.018	07	0.14	3.930	14	46.3	34.54	14	46.3	A0	C0	3071	P -58 2431
78		6.4T	36 5.557	-0.0034	11	-56 59 45.14	-0.001	09	0.49	5.732	18	06.6	45.07	18	97.9	B3	GC	14626	P*-56 3588
79		8.7T	36 7.927	-0.0032	18	-59 53 15.03	-0.031	15	0.83	8.082	24	03.7	13.49	22	00.8	K5	GC	14630	P -59 2349
80		8.1T	36 9.948	0.0013	17	-58 48 50.05	0.012	17	0.70	9.897	19	09.7	50.53	18	10.0	B9	GC	14632	P -58 2434
81	8.4	8.4W	36 15.176	0.0010	06	-58 1 41.89	-0.014	06	0.14	15.172	14	46.3	41.83	14	46.3	A3	C0	3075	P -57 3608
82	10.5	9.4W	36 22.509	-0.0024	07	-52 13 43.30	0.008	07	0.18	22.538	15	38.2	43.40	18	38.2	K5	C9	4028	P -51 3465
83	9.4	9.7W	36 26.420	-0.0049	07	-54 53 58.82	-0.017	07	0.18	26.478	15	38.2	58.61	18	38.2	B9	C9	4029	P -54 3894
84	9.3	9.4W	36 30.724	-0.0054	07	-53 5 23.36	-0.014	07	0.18	30.788	15	38.2	23.20	18	38.2	A3	C9	4030	P -52 3762
85	9.4	8.7W	36 33.633	-0.0009	07	-55 11 25.70	0.009	07	0.18	33.643	15	38.2	25.81	18	38.2	G5	C9	4031	P -54 3897
86	8.4	8.8W	36 36.375	0.0001	07	-55 13 29.29	0.018	07	0.18	36.373	15	38.2	29.51	18	38.2	A2	C9	4032	P -54 3899
87	8.6	9.0W	36 37.507	-0.0009	07	-53 52 12.68	-0.006	07	0.18	37.518	15	38.2	12.61	18	38.2	B3	C9	4033	P*-53 4021
88	9.2E	8.5Z	36 38.896	-0.0013	12	-50 41 48.68	-0.062	12	0.69	38.951	45	06.3	45.96	45	06.3	K0	CZ	8779	P -50 3604
89	9.2	9.5W	36 40.202	-0.0002	14	-57 46 51.20	0.009	14	0.15	40.203	14	46.3	51.24	14	46.3	B8	C0	3076	P -57 3621
90	7.7	8.0W	36 40.716	-0.0010	06	-52 30 12.95	0.004	06	0.18	40.728	15	38.2	13.00	18	38.2	A0	C9	4034	P -52 3764
91	8.2	8.5W	36 42.619	-0.0003	06	-58 51 52.63	-0.026	06	0.14	42.620	14	46.3	52.53	14	46.3	B9	C0	3077	P -58 2457
92	9.7		36 46.919	-0.0041	15	-53 54 24.92	-0.001	15	0.24	46.968	15	38.2	24.90	18	38.2	B9	C9	4035	P -53 4027
93	8.2	8.6W	36 47.713	-0.0026	07	-55 22 54.59	-0.016	07	0.18	47.743	15	38.2	54.41	18	38.2	A0	C9	4036	P -54 3903
94	7.6	8.0W	36 50.242	-0.0047	06	-53 20 31.45	0.021	06	0.18	50.298	15	38.2	31.70	18	38.2	B8	C9	4037	P -52 3770
95		4.7T	36 50.545	-0.0013	07	-58 55 20.21	-0.002	05	0.27	50.609	12	09.5	20.11	12	02.1	K5	GC	14647K	P*-58 2460
96		6.7T	36 50.888	-0.0040	11	-59 0 6.05	0.001	09	0.49	51.086	19	04.8	6.09	18	00.9	A0	GC	14648	P -58 2462
97		9.3T	36 51.229	-0.0004	20	-58 55 6.55	-0.008	09	0.75	51.253	24	05.3	6.10	21	94.0	A	GC	14649K	P -58 2460
98	9.6		36 53.805	0.0023	08	-52 10 54.22	0.007	08	0.19	53.778	15	38.2	54.30	18	38.2	B5	C9	4038	P -51 3474
99	10.2E	9.5Z	36 54.552	-0.0031	12	-50 16 5.12	0.006	12	0.69	54.688	45	06.3	5.37	45	06.3		CZ	8784	P -49 3627
00	10.2E	9.0Z	36 54.807	-0.0032	12	-51 0 58.34	-0.029	12	0.69	54.945	45	06.3	57.07	45	06.3	K0	CZ	8785	P -50 3608

238300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 10H DM NUMBER
1		7.2T	10 37 0.361	-0.0022	13	-54 51 11.45	0.001	12	0.65	0.463	21	02.5	11.50	19	99.2	B8	GC	14651	P -54 3909
2	8.9	8.7W	37 2.587	-0.0015	07	-57 31 2.62	0.003	07	0.14	2.593	14	46.3	2.64	14	46.3	B2	CD	3081	P -57 3627
3		7.7T	37 2.769	-0.0030	15	-59 0 29.27	-0.008	12	0.64	2.905	21	07.3	28.90	21	05.0	B9	GC	14653	P -58 2471
4		6.1T	37 4.718	-0.0108	11	-58 33 22.51	0.009	07	0.46	5.295	18	03.8	22.98	15	96.7	M2	GC	14654K	P -58 2474
5		9.1T	37 7.655	-0.0018	16	-58 33 17.39	-0.004	11	0.58	7.732	19	09.9	17.22	18	07.9	B	GC	14657K	P -58 2475
6		7.4T	37 9.086	-0.0043	13	-54 36 1.18	0.016	13	0.61	9.268	18	07.3	1.90	19	04.8	K5	GC	14658	P -54 3912
7	9.6		37 17.107	-0.0001	15	-53 29 27.30	0.008	15	0.24	17.108	15	38.2	27.40	18	38.2	B8	C9	4041	P -53 4037
8	9.4E	9.0Z	37 18.271	0.0008	12	-51 2 13.19	-0.013	12	0.62	18.232	31	04.0	12.58	28	04.0	A5	CZ	8789	P -50 3613
9		4.4H	37 18.653	-0.0027	03	-55 20 32.70	-0.001	04	0.14	18.734	07	19.6	32.68	07	15.2	G0	F4	402	P -54 3915
10	9.3	9.5W	37 19.192	-0.0110	15	-55 32 19.55	0.005	15	0.24	19.322	15	38.2	19.61	18	38.2	A2	C9	4043	P -55 3677
11	9.2	9.5W	37 20.291	-0.0057	14	-57 52 17.31	0.006	14	0.15	20.313	14	46.3	17.33	14	46.3	A0	CD	3085	P -57 3637
12		7.2T	37 23.661	-0.0015	13	-55 43 43.50	0.002	11	0.63	23.736	21	03.1	43.58	19	98.3	B3	GC	14664	P -55 3682
13		6.6T	37 24.541	-0.0027	07	-55 20 46.23	0.002	06	0.30	24.659	14	10.8	46.30	12	06.5	B8	GC	14665K	P -54 3916
14	9.1	9.5W	37 29.894	-0.0020	07	-53 13 17.70	0.008	07	0.18	29.918	15	38.2	17.80	18	38.2	B9	C9	4046	P -52 3784
15	9.5E	9.0Z	37 36.931	-0.0022	12	-50 51 19.40	-0.005	12	0.69	37.026	45	06.3	19.26	45	06.3	F0	CZ	8796	P -50 3617
16	8.2	8.5W	37 39.439	0.0015	07	-57 12 0.77	-0.010	07	0.14	39.434	14	46.3	0.73	14	46.3	B2	CD	3086	P -56 3622
17	9.6E	9.3Z	37 44.561	-0.0038	12	-50 47 59.44	0.012	12	0.69	44.725	45	06.3	59.96	45	06.3	G5	CZ	8798	P -50 3620
18	10.1E	9.5Z	37 45.376	-0.0019	12	-50 24 38.93	-0.019	12	0.69	45.459	45	06.3	38.09	45	06.3	F2	CZ	8799	P -50 3621
19	8.3	8.5W	37 51.901	-0.0031	06	-53 29 21.49	0.009	06	0.18	51.938	15	38.2	21.60	18	38.2	A0	C9	4047	P -53 4046
20	9.4	9.7W	37 53.419	-0.0024	06	-53 9 7.29	0.026	06	0.18	53.448	15	38.2	7.60	18	38.2	A0	C9	4048	P -52 3790
21		6.8T	37 54.044	-0.0058	12	-52 1 23.43	-0.018	10	0.56	54.303	17	05.0	22.51	17	97.9	A0	GC	14675	C -51 4938
22	9.0	8.8W	37 56.209	-0.0016	07	-53 11 50.31	-0.001	07	0.18	56.228	15	38.2	50.30	18	38.2	F0	C9	4050	P -52 3792
23	7.7	8.2W	37 56.643	-0.0025	07	-56 1 0.67	-0.014	07	0.18	56.672	15	38.2	0.51	18	38.2	B8	C9	4051	P -55 3695
24	8.7	9.2W	38 6.925	-0.0024	13	-56 38 45.02	0.002	13	0.15	6.934	14	46.3	45.03	14	46.3	B8	CD	3087	P#-56 3635
25	8.5	8.8W	38 8.848	0.0008	07	-56 18 49.34	-0.006	07	0.14	8.845	14	46.3	49.32	14	46.3	B	CD	3088	P -55 3701
26	9.8	9.4W	38 8.941	0.0003	07	-52 25 45.03	0.031	07	0.18	8.938	15	38.2	45.40	18	38.2	A2	C9	4052	P -52 3797
27	9.0	9.1W	38 10.963	-0.0026	07	-55 8 33.94	-0.020	07	0.18	10.993	15	38.2	33.71	18	38.2	A0	C9	4053	P -54 3930
28	8.1	8.3W	38 18.164	-0.0012	06	-59 32 29.23	0.002	06	0.14	18.168	14	46.3	29.24	14	46.3	B8	CD	3089	P -59 2404
29		8.7T	38 28.151	0.0003	16	-59 41 56.06	-0.003	15	0.71	28.136	19	09.5	55.92	18	08.3	F2	GC	14686	P -59 2411
30	9.4	9.7W	38 28.710	0.0000	07	-58 41 17.07	-0.009	07	0.14	28.710	14	46.3	17.03	14	46.3	B8	CD	3091	P -58 2519
31	10.1E	8.5Z	38 31.202	-0.0059	12	-50 43 48.33	-0.035	12	0.71	31.476	45	03.3	46.68	45	03.3	K0	CZ	8816	P -50 3627
32	9.0	9.2W	38 31.280	-0.0013	07	-56 26 26.35	-0.007	07	0.14	31.285	14	46.3	26.32	14	46.3	A2	CD	3092	P -56 3643
33	9.0	8.7W	38 31.459	-0.0050	07	-53 26 1.15	-0.004	07	0.18	31.518	15	38.2	1.10	18	38.2	F2	C9	4054	P -53 4053
34	8.6	8.0W	38 34.469	-0.0121	06	-56 55 7.56	-0.035	06	0.14	34.514	14	46.3	7.43	14	46.3	G5	CD	3093	P -56 3647
35	9.1	9.1W	38 38.576	-0.0044	07	-53 7 36.75	0.004	07	0.18	38.628	15	38.2	36.80	18	38.2	A5	C9	4055	P -52 3803
36		8.4T	38 39.704	-0.0003	13	-59 16 55.86	-0.007	10	0.56	39.720	19	06.1	55.51	18	01.1	F2	GC	14691K	P -58 2524
37	10.2E	9.5Z	38 45.681	0.0013	12	-51 32 55.95	0.010	12	0.81	45.623	63	04.2	36.44	57	04.2	G0	CZ	8818	P -51 3494
38	8.9	7.7W	38 46.872	-0.0030	06	-53 6 51.00	-0.009	06	0.18	46.908	15	38.2	50.90	18	38.2	K2	C9	4056	P -52 3805
39	9.9	9.8W	38 48.348	-0.0051	14	-52 6 31.22	0.015	14	0.23	48.408	15	38.2	31.40	18	38.2	F0	C9	4057	P -51 3495
40	8.5	8.8W	38 48.751	-0.0014	06	-53 0 12.69	0.026	06	0.18	48.768	15	38.2	13.00	18	38.2	A0	C9	4058	P -52 3807
41		7.1T	38 55.632	-0.0028	13	-57 40 25.99	0.003	08	0.53	55.768	17	05.5	26.14	15	01.0	G0	GC	14696	P#-57 3663
42	9.7	8.8W	39 0.702	-0.0023	06	-58 37 38.56	-0.007	06	0.14	0.710	14	46.3	38.54	14	46.3	K0	CD	3096	P -58 2533
43	8.1	8.2W	39 2.344	-0.0000	07	-57 20 21.00	-0.017	07	0.14	2.344	14	46.3	20.94	14	46.3	B2	CD	3097	P -56 3653
44	8.5	9.0W	39 5.935	0.0004	07	-57 4 17.76	-0.006	07	0.14	5.934	14	46.3	17.74	14	46.3	A0	CD	3098	P -56 3656
45	7.6	7.9W	39 6.586	0.0007	06	-56 59 42.96	-0.006	06	0.14	6.584	14	46.3	42.94	14	46.3	B3	CD	3099	P -56 3657
46	9.1	9.4W	39 7.242	-0.0043	07	-55 39 21.84	-0.003	07	0.18	7.292	15	38.2	21.81	18	38.2	B8	C9	4059	P -55 3723
47	9.4	9.4W	39 10.630	-0.0061	07	-55 40 46.62	-0.001	07	0.18	10.702	15	38.2	46.61	18	38.2	A0	C9	4060	P -55 3727
48	9.7	9.7W	39 12.426	-0.0046	14	-57 30 36.80	0.009	14	0.15	12.443	14	46.3	36.84	14	46.3	A0	CD	3100	P -57 3672
49		8.6T	39 13.611	0.0015	16	-58 59 11.52	-0.035	13	0.69	13.543	21	05.3	9.89	18	03.6	B8	GC	14702	P -58 2538
50	8.5	8.7W	39 16.951	0.0003	07	-58 53 26.53	0.000	07	0.14	16.950	14	46.3	26.53	14	46.3	B8	CD	3102	P -58 2540
51		7.5T	10 39 17.910	-0.0015	10	-59 42 42.86	-0.005	08	0.46	17.983	18	03.7	42.59	15	99.5	B3	GC	14703	P -59 2447
52	8.0	8.1W	39 18.771	-0.0006	06	-53 12 0.38	-0.015	06	0.18	18.778	15	38.2	0.20	18	38.2	A2	C9	4061	P -52 3819
53		6.5T	39 22.612	-0.0006	08	-59 24 54.64	-0.004	07	0.43	22.648	17	96.0	54.41	15	93.5	OCP	GC	14707	P -59 2450
54	8.1	8.4W	39 23.626	-0.0027	07	-53 50 41.48	0.011	07	0.18	23.658	15	38.2	41.60	18	38.2	B9	C9	4062	P#-53 4060
55		7.0T	39 26.305	-0.0036	14	-55 48 24.42	0.014	12	0.66	26.484	22	04.1	25.11	19	99.7	A0	GC	14710	P -55 3729
56	10.4	9.6W	39 27.129	-0.0041	07	-53 11 38.02	-0.019	07	0.18	27.178	15	38.2	37.80	18	38.2	K2	C9	4064	P -52 3823
57	9.1	9.5W	39 31.307	-0.0034	15	-54 0 43.45	0.022	15	0.24	31.348	15	38.2	43.70	18	38.2	B9	C9	4065	P -53 4064
58	8.0	8.4W	39 33.195	-0.0015	07	-55 50 3.34	-0.012	07	0.18	33.212	15	38.2	3.21	18	38.2	A0	C9	4066	P -55 3731
59	9.8	10.0W	39 34.551	-0.0048	15	-54 24 30.54	0.031	15	0.24	34.608	15	38.2	30.90	18	38.2	A2	C9	4067	P -54 3944
60	9.3	9.8W	39 35.712	-0.0030	07	-54 33 41.55	0.031	07	0.18	35.748	15	38.2	41.91	18	38.2	A0	C9	4068	P -54 3945
61	9.5	9.7W	39 39.841	-0.0099	07	-52 59 35.90	0.034	07	0.18	39.958	15	38.2	36.30	18	38.2	A0	C9	4069	P -52 3828
62	8.7	9.0W	39 40.275	-0.0036	07	-54 32 9.74	0.007	07	0.18	40.318	15	38.2	9.81	18	38.2	A0	C9	4070	P -54 3946
63	9.1	9.0W	39 41.858	-0.0006	07	-58 30 35.76	-0.008	07	0.14	41.860	14	46.3	35.73	14	46.3	OA	CD	3105	P -58 2546
64		8.9W	39 52.574	0.0010	07	-58 52 8.46	-0.007	07	0.14	52.570	14	46.3	8.43	14	46.3	K0	CD	3106	P -58 2548
65	7.9	8.1W	40 2.163	-0.0030	07	-56 44 48.84	-0.003	07	0.14	2.174	14	46.3	48.84	14	46.3	B0	CD	3107	P -56 3676
66	10.2E	9.5Z	40 5.670	-0.0003	12	-51 17 52.70	-0.016	12	0.81	5.682	63	04.2	51.97	57	04.2	F2	CZ	8832	P -50 3645
67	8.5	8.9W	40 6.742	-0.0056	07	-53 14 49.46	0.003	07	0.18	6.808	15	38.2	49.50	18	38.2	B8	C9	4071	P -52 3833
68	10.1	8.4W	40 10.090	0.0002	07	-59 17 43.60	0.009	07	0.14	10.090	14	46.3	43.63	14	46.3		CD	3108	P -58 2560
69	10.4E	9.3*	40 12.679	-0.0007	12	-50 51 49.95	-0.002	12	0.65	12.710	31	01.9	49.85	28	01.9	A0	CZ	8834	P -50 3646
70		9.4T	40 12.747	0.0009	12	-59 38 40.73	0.002	10	0.53	12.703	19	06.1	40.81	17	02.9	B8	GC	14727K	P#-59 2478
71	12.2E	10.2H	40 13.208	0.0014	12	-50 51 58.83	-0.025	12	0.71	13.141	45	03.3	57.65	45	03.3	A0	CZ	8835	P -50 3646
72	10.0E	9.3*	40 24.786	-0.0023	12	-50 16 51.01	-0.007	12	0.65	24.897	31	01.9	50.66	28	01.9	A2	CZ	8840	P -49 3661
73	9.3	8.8W	40 30.419	-0.0009	07	-58 23 48.58	-0.013	07	0.14	30.422	14	46.3	48.54	14	46.3	F0	CD	3111	P -58 2574
74	10.3E	9.1H	40 32.390	0.0002	12	-50 28 17.11	-0.014	12	0.71	32.381	45	03.3	16.44	45	03.3	K2	CZ	8842	P -50 3650
75	7.8	8.2W	40 32.498	-0.0034	07	-54 16 12.23	0.015	07	0.18	32.538	15	38.2	12.40	18	38.2	A0	C9	4072	P -53 4074
76	9.2E	9.0Z	40 32.678	0.0012	12	-51 41 48.07	0.004	12	0.81	32.624	63	04.2	48.25	57	04.2	A0	CZ	8843	P -51 3517
77	9.3	8.5W	40 34.958	-0.0030	07	-55 9 20.48	-0.015	07	0.18	34.993	15	38.2	20.31	18	38.2	K0	C9	4073	P -54 3962
78		7.1T	40 42.493	-0.0012	13	-56 36 55.75	-0.021	10	0.63	42.555	19	00.6	54.61	18	96.3	B2	GC	14741	P -56 3696
79		5.4T	40 44.283	-0.0009	07	-58 57 12.40	-0.003	05	0.29	44.327	12	11.0	12.25	12	02.7	B3P	GC	14743	P#-58 2581
80		8.5Q	40 48.498	-0.0009	16	-59 38 31.80	0.011	16	0.70	48.534	21	08.2	32.25	21	08.0	B0	GC	14746	P -59 2502
81	9.0	9.3W	41 2.466	-0.0035	07	-52 37 25.79	0.009	07	0.18	2.508	15	38.2	25.90	18	38.2	A0	C9	4074	P -52 3845
82	8.5	8.1W	41 4.047	-0.0008	07	-53 58 43.37	-0.005	07	0.18	4.038	15	38.2	43.30	18	38.2	F5	C9	4075	P -53 4080
83	9.4	9.7W	41 7.220	-0.0040	07	-52 32 43.47	0.011	07	0.18	7.268	15	38.2	43.60	18	38.2	A2	C9	4076	P -52 3850
84	9.2	8.6W	41 8.015	-0.0019	06	-57 53 4.94	-0.001	06	0.14	8.022	14	46.3	4.93	14	46.3	G0	CD	3115	P -57 3709
85	8.1	8.4W	41 20.257	-0.0002	10	-59 56 18.50	0.009	10	0.15	20.259	14	46.3	18.54	14	46.3	OE5	CD	2915	P -59 2521
86	9.1	9.2W	41 30.524	-0.0044	07	-58 38 48.22	0.003	07	0.14	30.540	14	46.3	48.24	14	46.3	A0	CD	3117	P -58 2598
87	8.8	9.1W	41 31.602	-0.0006	13	-56 59 24.94	-0.001	13	0.15	31.604	14	46.3	24.93	14	46.3	A0	CD	3118	P -56 3710
88	9.8E	9.0Z	41 32.055	-0.0010	12	-51 17 49.24	-0.002	12	0.65	32.101	31	01.7	49.13	31	01.7	A0	CZ	8847	P -50 3664
89	9.6	9.8W	41 33.435	0.0010	15	-55 7 40.36	0.004	15	0.24	33.423	15	38.2	40.41	18	38.2	A0	C9	4077	P -54 3974
90	8.7	8.9W	41 48.192	-0.0022	07	-53 54 25.00	-0.016	07	0.18	48.218	15	38.2	24.80	18	38.2	A0	C9	4078	P -53 4090
91	8.6	9.0W	41 50.049	-0.0016	07	-56 27 16.00	-0.022	07	0.14	50.055	14	46.3	15.92	14	46.3	A0	CD	3119	P -56 3714
92	10.0		41 51.068	-0.0025	14	-51 55 1.69	0.018	14	0.23	51.098	15	38.2	1.90	18	38.2	A0	C9	4079	P -51 3527
93	8.5	8.7W	41 51.602	-0.0022	10	-58 50 19.53	0.000	10	0.15	51.610	14	46.3	19.53	14	46.3	A3	CD	3120	P -58 2612
94		6.7T	41 56.746	-0.0026	09	-59 51 17.88	-0.003	07	0.38	56.868	17	06.7	17.72	14	02.3	OCP	GC	14764	P -59 2548
95	8.5	8.8W	42 0.497	-0.0017	07	-57 25 19.95	-0.032	07	0.14	0.504	14	46.3	19.84	14	46.3	B5	CD	3122	P -57 3731
96		7.5Q	42 0.906	-0.0034	10	-59 17 5.00	0.001	07	0.49	1.105	18	99.4	5.05	17	92.0	B	GC	14768K	P#-58 2617
97	9.6	9.1W	42 2.855	-0.0104	07	-54 38 54.12	0.008	07	0.18	2.978	15	38.2	54.21	18	38.2	G5	C9	4080	P -54 3988
98	9.0	9.1W	42 3.981	-0.0048	09	-51 55 23.57	0.011	09	0.20	4.038	15	38.2	23.70	18	38.2	F0	C9	4081	P -51 3535
99		7.1T	42 4.080	-0.0040	17	-51 39 39.45	-0.012	13	0.76	4.269	18	02.2	38.86	17	99.0	K0	GC	14770	C -51 4986
00		8.0T	42 4.458	-0.0008	14	-59 36 41.58	-0.007	14	0.60	4.489	18	10.2	41.29	18	09.8	B5	GC	14772K	P -59 2556

238400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 10H DM NUMBER
1	9.8E	9.5Z	10 42 4.597	-0.0020	12	-51 34 18.28	0.023	12	0.81	4.689	63	04.2	19.33	57	04.2	A2	CZ	8859	P -51 3531
2		7.5T	42 7.664	-0.0051	15	-55 31 26.04	0.004	11	0.67	7.922	21	03.8	26.23	19	98.9	K0	GC	14773	P -55 3778
3	9.2	8.1W	42 10.724	-0.0037	07	-52 46 23.10	0.008	07	0.18	10.768	15	38.2	23.20	18	38.2	K0	C9	4083	P -52 3864
4		8.4T	42 10.780	-0.0016	11	-59 18 44.42	-0.009	10	0.51	10.856	18	06.2	43.99	17	03.2	B	GC	14775K	P -58 2631
5	9.3	8.5W	42 11.571	-0.0031	07	-54 22 11.58	0.002	07	0.18	11.608	15	38.2	11.60	18	38.2	G5	C9	4084	P -53 4094
6		8.3T	42 12.426	-0.0025	13	-59 18 48.37	0.005	12	0.62	12.545	21	04.7	48.60	19	02.9	A3	GC	14777K	P*-58 2631
7	8.2	8.4W	42 14.010	-0.0034	06	-58 7 19.03	0.002	06	0.14	14.022	14	46.3	19.03	14	46.3	A0	C0	3127	P -57 3741
8	8.3	8.1W	42 14.206	0.0018	06	-59 27 24.37	-0.009	06	0.14	14.200	14	46.3	24.33	14	46.3	OC	C0	3128	P -59 2561
9	8.8	8.6W	42 14.689	-0.0013	07	-57 20 27.69	-0.014	07	0.14	14.694	14	46.3	27.64	14	46.3	F0	C0	3129	P -56 3728
10	9.4	8.2W	42 15.200	-0.0020	07	-55 17 19.98	0.002	07	0.18	15.223	15	38.2	20.01	18	38.2	K5	C9	4085	P -54 3991
11	9.2	9.5W	42 21.610	-0.0032	15	-54 1 47.16	-0.013	15	0.24	21.648	15	38.2	47.00	18	38.2	A2	C9	4086	P -53 4095
12		8.3T	42 22.761	0.0010	14	-59 1 12.20	-0.008	12	0.63	22.714	21	06.0	11.81	19	02.1	B	GC	14782	P*-58 2637
13	10.0	8.6W	42 22.814	0.0006	06	-58 8 16.76	-0.033	06	0.14	22.812	14	46.3	16.63	14	46.3	K2	C0	3131	P -57 3748
14		6.6T	42 27.048	-0.0006	11	-59 43 49.19	0.001	08	0.48	27.076	18	06.8	49.22	17	01.1	B0	GC	14784K	P -59 2572
15		8.7T	42 31.502	-0.0003	14	-59 37 18.69	0.005	14	0.62	31.512	19	08.3	18.88	19	09.2	A0	GC	14786	P -59 2577
16			42 33.272	-0.0004	06	-57 18 8.35	-0.004	06	0.14	33.274	14	46.3	8.33	14	46.3	G5	C0	3134V	P*-56 3737
17	8.5	8.6W	42 33.496	-0.0006	12	-59 41 31.01	-0.021	12	0.15	33.498	14	46.3	30.93	14	46.3	B	C0	3135	P -59 2580
18		7.8W	42 37.396	0.0016	07	-59 28 28.04	-0.003	07	0.14	37.390	14	46.3	28.03	14	46.3	B	C0	3136	P -59 2587
19	7.8	8.1W	42 40.408	-0.0000	06	-59 49 41.49	-0.015	06	0.14	40.409	14	46.3	41.43	14	46.3	B2	C0	3137	P -59 2590
20	8.7E	8.5Z	42 41.179	-0.0036	12	-50 37 19.04	-0.002	12	0.71	41.345	45	03.3	18.92	45	03.3	G5	CZ	8866	P -50 3677
21	7.7	7.9W	42 46.883	-0.0018	06	-59 5 37.52	0.004	06	0.14	46.890	14	46.3	37.53	14	46.3	B	C0	3138	P*-58 2659
22	9.1	8.8W	42 47.170	-0.0009	06	-57 15 49.89	-0.015	06	0.14	47.174	14	46.3	49.84	14	46.3	F5	C0	3139	P -56 3743
23		7.6T	42 48.394	-0.0000	11	-59 18 7.16	-0.002	09	0.50	48.396	18	05.5	7.06	17	01.0	B	GC	14791	P -58 2661
24	10.5	10.0W	42 50.212	-0.0022	12	-59 9 0.60	-0.017	12	0.15	50.220	14	46.3	0.53	14	46.3		C0	3141	P -58 2663
25	9.2	9.5W	42 53.934	0.0029	13	-56 50 13.52	0.004	13	0.15	53.924	14	46.3	13.53	14	46.3	A0	C0	3142	P -56 3744
26	10.2E	9.8Z	42 54.624	0.0014	12	-51 38 43.28	-0.005	12	0.81	54.562	63	04.2	43.05	57	04.2	A2	CZ	8872	P -51 3543
27	9.4	7.6W	43 1.061	-0.0047	07	-59 40 18.87	-0.011	07	0.14	1.078	14	46.3	18.83	14	46.3	K0	C0	3143	P -59 2611
28	8.3	7.8W	43 5.778	-0.0119	07	-57 53 7.64	-0.002	07	0.14	5.823	14	46.3	7.63	14	46.3	G5	C0	3144	P -57 3763
29		10.0I	43 6.902	-0.0003	02	-59 25 15.86	0.006	02	0.15	6.921	06	94.2	16.19	06	93.7	PEC	GC	14799DV	P*-59 2620
30	9.9	9.7W	43 7.220	-0.0057	15	-52 48 5.94	0.022	15	0.24	7.288	15	38.2	6.20	18	38.2	A5	C9	4087	P -52 3880
31		8.6T	43 9.237	0.0013	12	-59 24 17.32	0.017	12	0.55	9.183	19	07.1	18.05	19	06.9	OE5	GC	14801	P -59 2623
32	8.6	7.6W	43 11.352	-0.0005	07	-57 28 12.00	-0.017	07	0.14	11.354	14	46.3	11.93	14	46.3	K0	C0	3147	P -57 3765
33	9.4	9.4W	43 14.809	0.0010	13	-54 1 13.98	0.028	13	0.23	14.798	15	38.2	14.30	18	38.2	A3	C9	4088	P -53 4111
34	9.9E	9.0Z	43 17.619	0.0002	12	-50 10 31.47	-0.007	12	0.73	17.610	45	01.3	31.11	45	01.3	K5	CZ	8877	P -49 3695
35		8.6T	43 23.272	-0.0020	14	-51 15 9.57	-0.013	12	0.70	23.368	22	01.8	8.88	21	98.1	A2	GC	14803	C -50 5398
36	9.5	9.6W	43 23.568	0.0012	13	-56 43 37.54	-0.028	13	0.15	23.564	14	46.3	37.44	14	46.3	B9	C0	3148	P -56 3759
37	8.3	8.7W	43 24.676	-0.0027	07	-53 33 39.97	0.003	07	0.18	24.708	15	38.2	40.00	18	38.2	B8	C9	4089	P -53 4112
38		7.1T	43 27.515	-0.0021	13	-55 31 40.39	0.008	11	0.64	27.620	21	02.4	40.79	19	98.6	+++	GC	14804	P*-55 3813
39	9.4	9.6W	43 28.896	-0.0032	07	-55 0 41.84	0.022	07	0.18	28.933	15	38.2	42.11	18	38.2	A3	C9	4091	P -54 4018
40		9.0T	43 32.955	-0.0033	15	-51 14 51.85	-0.002	13	0.73	33.111	22	02.4	51.74	21	98.5	A2	GC	14809	C -50 5400
41	9.3	7.3W	43 39.269	-0.0033	07	-53 21 53.81	0.024	07	0.18	39.328	15	38.2	54.10	18	38.2	MA	C9	4092	P -52 3887
42	9.9	9.3W	43 44.523	-0.0021	07	-52 47 49.01	0.007	07	0.18	44.548	15	38.2	49.10	18	38.2	G0	C9	4093	P -52 3889
43	9.1	9.5W	43 45.612	-0.0026	07	-56 1 25.14	-0.020	07	0.18	45.642	15	38.2	24.91	18	38.2	A2	C9	4094	P -55 3822
44	9.0	9.5W	43 45.740	0.0018	13	-57 3 14.30	-0.010	13	0.15	45.734	14	46.3	14.33	14	46.3	A0	C0	3149	P -56 3761
45		7.1T	43 46.729	-0.0004	12	-59 8 39.24	-0.000	10	0.53	46.750	18	05.7	39.23	15	03.3	B0	GC	14815	P -58 2680
46	9.5	9.8W	43 48.715	-0.0019	06	-58 24 58.56	-0.008	06	0.14	48.722	14	46.3	58.53	14	46.3	A0	C0	3151	P -58 2681
47		7.8T	43 53.190	-0.0033	10	-59 13 30.92	-0.014	08	0.47	53.353	18	02.8	30.23	15	01.0	M0	GC	14816	P -58 2683
48	8.6	8.7W	43 55.612	-0.0043	07	-59 55 43.99	0.011	07	0.14	55.628	14	46.3	44.03	14	46.3	A0	C0	2932	P -59 2659
49	9.1E	9.5Z	43 59.592	-0.0017	12	-51 7 52.82	-0.000	12	0.67	59.670	36	02.9	52.81	36	02.9	A3	CZ	8890	P -50 3690
50	9.5E	9.0*	44 0.944	0.0013	12	-50 8 17.49	-0.023	12	0.64	0.881	28	01.0	16.35	26	01.0	A0	CZ	8891	P -49 3702
51	8.5	8.9W	10 44 3.648	-0.0043	07	-56 42 8.57	-0.010	07	0.14	3.664	14	46.3	8.54	14	46.3	A0	C0	3154	P -56 3772
52	10.0E	9.4Z	44 8.672	0.0020	12	-51 43 56.35	0.002	12	0.81	8.581	63	04.2	56.43	57	04.2	A5	CZ	8896	P -51 3557
53	8.8	9.1W	44 9.882	-0.0005	14	-51 57 36.05	0.004	14	0.23	9.888	15	38.2	36.10	18	38.2	A0	C9	4095	P -51 3558
54	9.8E	9.5Z	44 10.488	-0.0063	12	-51 39 29.55	0.014	12	0.81	10.777	63	04.2	30.18	57	04.2	G5	CZ	8898	P -51 3559
55	8.7E	9.0Z	44 12.180	-0.0006	12	-50 55 40.13	0.002	12	0.63	12.206	28	02.0	40.22	26	02.0	A0	CZ	8899	P -50 3692
56	9.5E	9.6Z	44 14.115	-0.0004	12	-50 58 29.97	-0.000	12	0.67	14.132	36	02.9	29.96	36	02.9		CZ	8901	P -50 3693
57		8.0T	44 15.182	-0.0081	12	-59 3 15.70	0.030	10	0.54	15.561	18	05.6	17.10	17	03.3	A5	GC	14823K	P*-58 2692
58			44 17.265	0.0004	07	-56 33 56.09	0.012	07	0.14	17.264	14	46.3	56.13	14	46.3	B8	C0	3156V	P*-56 3783
59	8.7	8.9W	44 27.370	-0.0027	07	-59 10 53.10	0.011	07	0.14	27.380	14	46.3	53.14	14	46.3	B9	C0	3157	P -58 2695
60		7.9T	44 30.401	-0.0009	15	-50 47 17.40	-0.026	11	0.69	30.443	22	02.6	15.98	21	96.1	A0	GC	14838	C -50 5412
61	10.3	9.3W	44 31.556	-0.0069	14	-53 21 17.66	0.020	14	0.23	31.638	15	38.2	17.90	18	38.2	G5	C9	4096	P -52 3899
62	10.0	8.6W	44 33.611	-0.0048	07	-52 59 38.64	0.022	07	0.18	33.668	15	38.2	38.90	18	38.2	K0	C9	4097	P -52 3900
63	9.6	9.4W	44 38.555	-0.0011	15	-52 35 6.52	0.032	15	0.24	38.568	15	38.2	6.90	18	38.2	A5	C9	4098	P -52 3901
64	9.7	8.8W	44 41.559	-0.0050	07	-53 0 45.90	-0.000	07	0.18	41.618	15	38.2	45.90	18	38.2	G5	C9	4099	P -52 3902
65	9.9		44 42.204	-0.0007	15	-55 30 40.83	0.049	15	0.24	42.212	15	38.2	41.41	18	38.2	A2	C9	4100	P -55 3837
66	10.1E	9.1Z	44 47.792	-0.0012	12	-50 19 15.33	-0.016	12	0.71	47.849	45	03.3	14.57	45	03.3	G5	CZ	8917	P -49 3717
67	8.8	9.1W	44 55.725	-0.0028	07	-54 34 1.73	-0.001	07	0.18	55.758	15	38.2	1.71	18	38.2	B2	C9	4101	P -54 4029
68		5.5T	44 56.117	-0.0019	09	-56 29 35.34	-0.005	06	0.32	56.201	14	12.6	35.10	12	05.4	B8	GC	14849	P -56 3800
69	9.3	9.3W	45 3.017	0.0013	14	-57 42 44.17	0.017	14	0.15	3.012	14	46.3	44.23	14	46.3	A0	C0	3159	P -57 3794
70	8.4	8.9W	45 3.253	-0.0003	07	-57 16 56.23	0.000	07	0.14	3.254	14	46.3	56.23	14	46.3	B9	C0	3160	P -56 3805
71	9.5E	8.5Z	45 4.059	0.0023	12	-51 42 31.22	-0.010	12	0.81	3.954	63	04.2	30.75	57	04.2	K2	CZ	8924	P -51 3573
72	9.1E	9.0Z	45 5.744	-0.0020	12	-50 4 35.25	-0.011	12	0.73	5.842	45	01.3	34.70	45	01.3	A0	CZ	8925	P -49 3720
73	9.7E	9.4Z	45 11.332	-0.0043	12	-51 52 44.41	0.009	12	0.81	11.530	63	04.2	44.84	57	04.2	A0	CZ	8928	P -51 3574
74	9.5	8.7W	45 14.186	-0.0010	07	-52 51 53.44	0.022	07	0.18	14.198	15	38.3	53.70	18	38.3	G5	C9	4102	P -52 3909
75	8.5	8.3W	45 15.557	-0.0002	06	-59 49 59.67	-0.010	06	0.14	15.558	14	46.3	59.63	14	46.3	B0	C0	3161	P -59 2696
76		7.2T	45 18.145	-0.0012	14	-57 3 39.77	0.015	11	0.64	18.204	21	03.9	40.52	19	99.1	A0	GC	14861	P -56 3810
77	9.0	9.2W	45 21.009	0.0013	13	-56 54 10.94	-0.028	13	0.15	21.004	14	46.3	10.83	14	46.3	B5	C0	3163	P -56 3812
78	9.5	9.6W	45 26.690	-0.0036	07	-55 31 19.32	0.007	07	0.18	26.732	15	38.3	19.41	18	38.3	B3	C9	4103	P -55 3847
79	8.5	8.5W	45 28.615	-0.0071	07	-54 25 38.21	0.025	07	0.18	28.698	15	38.3	38.50	18	38.3	F0	C9	4104	P -54 4045
80		6.3T	45 37.755	0.0013	14	-57 12 11.86	-0.007	12	0.69	37.686	22	01.8	11.48	21	97.6	K5	GC	14867	P -56 3821
81	10.3E	9.8Z	45 43.324	-0.0011	12	-51 53 18.21	0.012	12	0.81	43.376	63	04.2	18.79	57	04.2	A0	CZ	8930	P -51 3583
82	8.7	8.9W	45 44.259	0.0001	07	-52 16 15.80	0.008	07	0.18	44.258	15	38.3	15.90	18	38.3	B8	C9	4105	P -51 3584
83		6.7T	45 46.620	-0.0032	10	-59 36 39.24	-0.006	08	0.46	46.779	18	03.6	38.92	15	99.4	B5	GC	14869	P -59 2713
84		7.0T	45 48.840	-0.0025	12	-51 58 55.13	-0.014	10	0.46	48.937	14	10.5	54.56	14	08.1	A0	GC	14870	C -51 5053
85	9.6E	9.6Z	45 52.105	-0.0015	12	-51 43 41.07	-0.004	12	0.81	52.174	63	04.2	40.88	57	04.2	A2	CZ	8932	P -51 3588
86	9.3	8.4W	45 53.147	-0.0039	15	-55 42 46.65	0.022	15	0.24	53.192	15	38.3	46.91	18	38.3	K0	C9	4107	P -55 3856
87	10.1E	8.8Z	45 55.502	-0.0038	12	-50 6 19.27	-0.010	12	0.73	55.688	45	01.3	18.77	45	01.3	K0	CZ	8933	P -49 3727
88	8.8	9.0W	45 56.055	0.0088	06	-58 26 3.95	-0.004	06	0.14	56.022	14	46.3	3.93	14	46.3	A0	C0	3166	P -58 2717
89	8.9	8.9W	45 57.576	0.0033	07	-52 4 8.48	0.001	07	0.18	57.538	15	38.3	8.50	18	38.3	A5	C9	4108	P -51 3589
90		8.6T	46 3.564	-0.0009	17	-59 23 12.02	-0.017	17	0.76	3.605	21	06.7	11.28	21	06.6	B5	GC	14875	P -58 2722
91	10.6E	9.3*	46 4.121	0.0005	12	-50 39 39.19	-0.023	12	0.65	4.095	31	01.9	38.07	28	01.9	G5	CZ	8938	P -50 3706
92	8.2	8.5W	46 5.141	-0.0014	07	-52 2 24.13	0.006	07	0.18	5.158	15	38.3	24.20	18	38.3	A0	C9	4109	P -51 3591
93		6.1T	46 7.564	-0.0020	10	-59 39 16.91	-0.000	08	0.47	7.662	19	04.3	16.89	17	00.0	A2P	GC	14878	P*-59 2720
94	9.3	9.6W	46 11.483	-0.0001	07	-57 10 58.77	-0.037	07	0.14	11.484	14	46.3	58.64	14	46.3	B9	C0	3169	P -56 3843
95	8.9E	8.0Z	46 13.962	-0.0048	12	-51 31 36.36	0.026	12	0.65	14.194	31	01.7	37.61	31	01.7	K0	CZ	8942	P -51 3595
96	9.3	9.2W	46 20.066	-0.0104	09	-52 12 49.08	0.019	09	0.20	20.188	15	38.3	49.30	18	38.3	F5	C9	4110	P*-51 3597
97	9.1	8.4W	46 24.587	-0.0007	07	-59 16 34.36	-0.006	07	0.14	24.590	14	46.3	34.33	14	46.3	B	C0	3170	P -58 2734
98	10.0	8.8W	46 24.704	-0.0042	07	-58 56 59.58	0.016	07	0.14	24.720	14	46.3	59.63	14	46.3	K5	C0	3171	P -58 2733
99	9.5	9.4W	46 25.903	-0.0064	07	-53 0 41.84	0.022	07	0.18	25.978	15	38.3	42.10	18	38.3	F0	C9	4111	P -52 3927
00	8.2	8.3W	46 26.905	-0.0028	07	-56 21 20.85	-0.007	07	0.14	26.915	14	46.3	20.82	14	46.3	A0	C0	3172	P -55 3869

238500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.0	9.4W	10 46 31.626	0.0005	13	-56 44 1.76	-0.008	13	0.15	31.624	14	46.3	1.74	14	46.3	B9	CO	3173	P -56 3460
2		7.0T	46 37.595	-0.0005	13	-57 24 30.09	-0.017	09	0.54	37.617	18	08.1	29.28	18	03.0	K5	GC	14888	P -57 3825
3	9.5	8.7W	46 38.624	-0.0012	07	-53 3 47.28	0.010	07	0.18	38.638	15	38.3	47.40	18	38.3	G5	C9	4112	P -52 3930
4		7.5T	46 40.152	-0.0014	14	-59 57 32.72	-0.008	12	0.63	40.215	21	05.7	32.33	19	03.3	QE5	GC	14890	P -59 2732
5	7.6	8.0W	46 46.309	-0.0021	07	-55 5 40.57	0.012	07	0.18	46.333	15	38.3	40.71	18	38.3	B9	C9	4113	P -54 4164
6	8.5	8.6W	46 54.790	-0.0010	07	-56 59 58.35	-0.030	07	0.14	54.794	14	46.3	58.24	14	46.3	A3	CO	3176	P -56 3871
7		7.9T	46 56.511	0.0011	14	-59 10 56.56	-0.033	12	0.64	56.459	19	04.6	54.96	18	01.6	B0	GC	14894K	P -58 2747
8	9.7	9.1W	47 3.624	-0.0017	06	-58 37 50.34	-0.001	06	0.14	3.630	14	46.3	50.34	14	46.3	B	CO	3178	P -58 2750
9	8.7E	8.2Z	47 6.458	0.0036	12	-50 0 21.05	-0.062	12	0.73	6.283	45	01.3	18.01	45	01.3	G5	CZ	8961	P -49 3745
10	7.8	8.1W	47 10.528	-0.0038	06	-57 42 16.87	-0.010	06	0.14	10.543	14	46.3	16.84	14	46.3	B9	CO	3179	P -57 3838
11	9.3E	8.5Z	47 23.625	-0.0078	12	-51 25 5.88	0.014	12	0.81	23.980	63	04.2	6.51	57	04.2	K0	CZ	8969	P -51 3606
12	9.4	9.4W	47 23.735	-0.0002	06	-53 39 28.74	0.006	06	0.18	23.758	15	38.3	28.80	18	38.3	A5	C9	4114	P -53 4167
13		8.5T	47 23.860	-0.0028	18	-51 25 5.51	0.009	20	0.89	23.985	24	05.2	5.91	24	04.9	K0	GC	14901	C -51 3076
14		6.1T	47 25.089	-0.0053	12	-59 3 30.94	-0.002	07	0.49	25.367	18	05.2	30.83	15	97.8	A0	GC	14902K	P*-58 2755
15	8.6	8.6W	47 27.657	-0.0001	06	-52 32 44.63	-0.011	06	0.18	27.658	15	38.3	44.55	18	38.3	A5	C9	4115	P -52 3936
16	10.0E	8.5Z	47 29.867	-0.0025	12	-50 48 18.21	-0.027	12	0.71	29.982	45	03.3	16.94	45	03.3	K2	CZ	8970	P -50 3725
17	10.0	9.0W	47 54.988	0.0017	07	-52 2 8.76	-0.005	07	0.18	54.968	15	38.3	8.70	18	38.3	K0	C9	4116	P -51 3613
18	8.7	8.8W	48 0.120	0.0019	07	-57 36 31.81	0.007	07	0.14	0.113	14	46.3	31.83	14	46.3	B2	CO	3181	P -57 3856
19	9.1	9.5W	48 6.231	0.0017	07	-56 11 47.53	-0.001	07	0.14	6.225	14	46.3	47.52	14	46.3	B8	CO	3182	P -55 3898
20	8.7	8.9W	48 10.618	-0.0004	06	-59 16 59.16	-0.007	06	0.14	10.620	14	46.3	59.14	14	46.3	B8	CO	3183	P -58 2769
21	8.5	8.6W	48 23.146	0.0012	07	-56 4 35.94	0.005	07	0.18	23.132	15	38.3	36.01	18	38.3	B9	C9	4117	P -55 3905
22	9.6E	8.6H	48 23.650	-0.0022	12	-50 20 18.00	0.015	12	0.71	25.753	45	03.3	18.68	45	03.3	K5	CZ	8978	P -49 3765
23		7.4T	48 27.507	-0.0007	13	-59 43 2.01	-0.014	12	0.62	27.540	19	05.4	1.31	18	00.8	M0	GC	14917	P -59 2775
24	8.5	8.9W	48 28.308	0.0013	07	-55 43 4.13	0.006	07	0.18	28.292	15	38.3	4.21	18	38.3	B9	C9	4118	P -55 3907
25	9.1E	9.0H	48 35.456	-0.0001	12	-50 15 16.96	-0.004	12	0.66	35.461	31	00.6	16.75	28	00.6	G5	CZ	8981	P -49 3771
26	8.4	8.4W	48 41.417	-0.0007	07	-58 56 50.30	0.009	07	0.14	41.420	14	46.3	50.33	14	46.3	B9	CO	3185	P -58 2779
27	7.5	7.9W	48 42.173	-0.0004	07	-52 12 21.20	-0.009	07	0.18	42.178	15	38.3	21.10	18	38.3	B8	C9	4119	P -51 3623
28		8.4T	48 51.159	-0.0023	14	-51 9 37.20	-0.016	12	0.70	51.271	19	00.9	38.01	18	98.3	K0	GC	14926	C -50 3460
29		7.0T	48 59.583	-0.0010	12	-59 43 30.79	-0.017	09	0.55	59.633	19	02.2	29.88	18	97.1	A0	GC	14927K	P*-59 2704
30	11.2	9.4W	49 6.745	-0.0019	12	-53 18 29.88	0.036	12	0.22	6.768	15	38.3	30.35	18	38.3	MA	C9	4120	P -52 3964
31			49 13.366	-0.0014	15	-56 8 41.97	-0.040	15	0.24	13.382	15	38.3	41.51	18	38.3	B5	C9	4121V	P*-55 3917
32		7.9T	49 21.146	-0.0014	14	-59 28 42.17	-0.018	11	0.56	21.207	18	09.6	41.39	18	07.1	B1	GC	14932	P -59 2791
33	9.9E	9.0Z	49 23.064	0.0007	12	-50 54 53.58	0.005	12	0.71	23.029	45	03.3	53.80	45	03.3	G5	CZ	8992	P -50 3747
34	9.1	9.4W	49 23.440	0.0023	07	-55 2 41.61	0.008	07	0.18	23.413	15	38.3	41.71	18	38.3	B9	C9	4122	P -54 4104
35	8.1	8.3W	49 26.208	-0.0015	13	-57 0 42.13	0.001	13	0.15	26.214	14	46.3	42.14	14	46.3	A0	CO	3188	P -56 3924
36	8.2	8.1W	49 31.750	0.0027	06	-58 53 8.65	-0.005	06	0.14	31.740	14	46.3	8.63	14	46.3	F0	CO	3189	P -58 2795
37	8.7	9.1W	49 37.492	-0.0000	07	-57 59 1.10	0.009	07	0.14	37.492	14	46.3	1.14	14	46.3	B8	CO	3190	P -57 3887
38	8.8	8.0W	49 41.677	0.0016	07	-52 7 8.43	-0.003	07	0.18	41.658	15	38.3	8.40	18	38.3	K0	C9	4123	P -51 3639
39	8.3	8.4W	49 43.314	-0.0020	07	-54 22 17.05	0.005	07	0.18	43.338	15	38.3	17.10	18	38.3	A0	C9	4124	P -53 4196
40		6.6T	49 44.259	-0.0053	13	-57 0 23.13	-0.001	09	0.59	44.541	21	03.6	23.06	10	96.4	A5	GC	14943	P -56 3927
41	9.1	9.5W	49 50.825	0.0010	07	-55 14 54.31	0.000	07	0.18	50.813	15	38.3	54.31	18	38.3	A0	C9	4125	P -54 4108
42	8.3	8.7W	49 50.862	-0.0035	06	-56 17 16.17	-0.013	06	0.14	50.875	14	46.3	16.12	14	46.3	A0	CO	3192	P*-55 3926
43		6.3T	49 53.507	-0.0085	09	-54 52 21.70	-0.004	07	0.50	53.955	19	97.0	21.46	17	90.9	K5	GC	14948	P -54 4109
44		6.9T	49 54.668	-0.0003	12	-58 8 57.41	0.015	10	0.55	54.682	19	03.8	58.16	18	00.3	A2	GC	14949	P -57 3895
45	9.3E	8.5Z	49 57.915	0.0013	12	-51 26 37.49	-0.027	12	0.72	57.851	45	02.3	36.19	45	02.3	K0	CZ	9003	P -51 3640
46	9.2	8.9W	50 0.593	-0.0047	12	-54 0 15.19	0.019	12	0.22	0.648	15	38.3	15.40	18	38.3	F2	C9	4127	P -53 4200
47	9.0	8.8W	50 3.345	-0.0049	15	-55 53 37.56	-0.013	15	0.24	3.402	15	38.3	37.41	18	38.3	F8	C9	4129	P -55 3928
48	8.8	8.7W	50 5.080	-0.0004	05	-58 26 2.64	-0.001	05	0.14	5.082	14	46.3	2.64	14	46.3	F0	CO	3194	P -58 2803
49	8.4	8.7W	50 7.449	-0.0013	07	-56 36 58.99	-0.017	07	0.14	7.454	14	46.3	58.93	14	46.3	B9	CO	3195	P -56 3936
50	9.3	7.9W	50 8.071	-0.0007	13	-57 6 54.16	-0.033	13	0.15	8.074	14	46.3	54.03	14	46.3	K2	CO	3196	P -56 3938
51	8.3	8.3W	10 50 8.831	-0.0006	06	-51 55 20.61	-0.010	06	0.18	8.838	15	38.3	20.50	18	38.3	A3	C9	4130	P -51 3645
52		7.8T	50 9.708	-0.0049	13	-51 32 4.55	-0.012	12	0.68	9.949	22	00.5	3.92	19	95.8	B9	GC	14955	C -51 5111
53	9.0	9.0W	50 10.364	-0.0012	06	-59 41 20.81	0.006	06	0.14	10.368	14	46.3	20.83	14	46.3	B8	CO	3197	P -59 2802
54	9.6	9.8W	50 16.093	-0.0004	14	-54 5 17.63	-0.002	14	0.23	16.098	15	38.3	17.61	18	38.3	A0	C9	4131	P -53 4205
55	7.8	8.0W	50 21.866	-0.0017	06	-58 28 50.06	-0.007	06	0.14	21.872	14	46.3	50.04	14	46.3	B3	CO	3198	P*-58 2809
56		7.5T	50 22.561	-0.0013	13	-57 59 11.11	-0.018	10	0.56	22.621	18	06.8	10.26	17	03.0	B2	GC	14959	P -57 3909
57		5.6T	50 27.599	-0.0008	09	-56 58 27.69	0.001	06	0.30	27.632	10	12.2	27.72	10	07.5	B8P	GC	14960	P*-56 3947
58	8.7	8.7W	50 27.933	0.0007	07	-58 56 40.35	-0.005	07	0.14	27.930	14	46.3	40.34	14	46.3	B8	CO	3201	P -58 2812
59	8.2	8.5W	50 35.648	-0.0006	06	-58 54 58.37	0.017	06	0.14	35.650	14	46.3	58.43	14	46.3	B9	CO	3202	P -58 2816
60	9.4	9.3W	50 36.935	-0.0039	07	-59 9 3.62	0.003	07	0.14	36.950	14	46.3	3.63	14	46.3	A5	CO	3203	P -58 2817
61	8.2	8.5W	50 41.717	-0.0018	07	-56 51 46.4[illegible]	-0.005	07	0.14	41.724	14	46.3	46.43	14	46.3	B9	CO	3204	P -56 3953
62	8.5	8.9W	50 41.858	-0.0038	06	-58 18 3.2[illegible]	-0.017	06	0.14	41.872	14	46.3	3.14	14	46.3	B8	CO	3205	P -57 3916
63	9.2	8.3W	50 58.710	-0.0032	07	-56 8 47.0[illegible]	0.020	07	0.18	58.748	15	38.3	47.40	18	38.3	K0	C9	4132	P -53 4209
64	8.9	8.9W	51 3.960	0.0002	06	-59 14 21.1[illegible]	0.001	06	0.14	3.962	14	46.3	21.13	14	46.3	B8	CO	3206	P -58 2826
65		7.0T	51 5.485	-0.0025	12	-57 33 20.90	-0.009	09	0.52	5.602	18	07.1	20.48	17	02.6	K0	GC	14973	P -57 3927
66	8.8E	8.2H	51 10.085	-0.0023	12	-50 19 23.91	0.004	12	0.73	10.198	45	01.3	24.09	45	01.3	K0	CZ	9020	P -49 3795
67		8.4T	51 11.076	0.0019	18	-51 31 35.22	0.004	14	0.81	10.988	24	04.6	35.44	22	00.2	A2	GC	14976	C -51 5126
68	9.2	8.9W	51 11.664	-0.0051	07	-57 34 58.01	-0.022	07	0.14	11.683	14	46.3	57.93	14	46.3	F5	CO	3208	P -57 3929
69	9.1E	8.9H	51 15.711	-0.0072	12	-50 21 43.63	0.002	12	0.66	16.067	31	00.6	43.72	28	00.6	F8	CZ	9022	P -49 3796
70		6.6T	51 19.592	-0.0021	07	-58 37 37.18	0.007	06	0.31	19.685	12	09.9	37.48	12	06.3	B3	GC	14978	P -58 2830
71	9.1	9.1W	51 22.063	-0.0025	07	-55 50 41.12	-0.001	07	0.18	22.092	15	38.3	41.11	18	38.3	F0	C9	4133	P -55 3949
72	9.3	9.5W	51 25.015	-0.0019	07	-58 9 25.63	0.001	07	0.14	25.022	14	46.3	25.64	14	46.3	B8	CO	3210	P -57 3939
73	8.5	7.6W	51 25.208	-0.0017	09	-52 4 28.48	-0.007	09	0.20	25.228	15	38.3	28.40	18	38.3	K0	C9	4134	P -51 3665
74		3.9T	51 27.397	0.0088	04	-58 35 14.24	0.027	03	0.17	26.986	06	09.2	15.50	07	03.2	K0	GC	14980	P*-58 2834
75		6.5T	51 28.869	-0.0022	13	-56 9 14.90	-0.003	11	0.63	28.981	21	03.4	14.73	18	98.4	K2	GC	14982	P -55 3952
76		7.2T	51 31.481	-0.0078	09	-51 13 57.21	0.003	07	0.36	31.805	15	08.4	57.34	15	04.6	K0	GC	14983	C -50 5487
77	8.9	8.9W	51 37.281	-0.0011	06	-55 0 21.16	-0.013	06	0.18	37.293	15	38.3	21.01	18	38.3	A5	C9	4135	P*-54 4126
78	9.9E	8.5Z	51 37.574	-0.0013	12	-51 9 39.42	0.026	12	0.73	37.635	45	01.3	40.68	45	01.3	K	CZ	9027	P -50 3762
79	8.6	9.0W	51 39.146	-0.0011	06	-58 30 50.69	-0.016	06	0.14	39.150	14	46.3	50.63	14	46.3	B8	CO	3213	P -58 2844
80	9.4	8.8W	51 39.741	-0.0023	06	-53 39 9.02	-0.001	06	0.18	39.768	15	38.3	9.00	18	38.3	+++	C9	4136	P -53 4215
81	8.6	9.0W	51 45.758	-0.0006	06	-59 6 58.73	0.001	06	0.14	45.760	14	46.3	58.73	14	46.3	A0	CO	3214	P -58 2846
82	9.4	9.2W	51 46.555	-0.0016	07	-55 12 44.38	0.002	07	0.18	46.573	15	38.3	44.41	18	38.3	F2	C9	4137	P*-54 4131
83	8.6	8.9W	51 53.245	-0.0014	06	-59 18 57.35	-0.005	06	0.14	53.250	14	46.3	57.34	14	46.3	A0	CO	3215	P -58 2848
84	9.4	9.0W	51 56.069	0.0001	08	-52 12 17.70	-0.043	08	0.19	56.068	15	38.3	17.20	18	38.3	F8	C9	4138	P -51 3671
85	10.0E	9.2Z	52 4.821	0.0008	12	-51 11 7.26	-0.010	12	0.73	4.780	45	01.3	6.77	45	01.3	A2	CZ	9034	P -50 3766
86	8.4	8.7W	52 14.415	-0.0045	07	-54 42 23.47	0.004	07	0.18	14.468	15	38.3	23.51	18	38.3	A0	C9	4139	P -54 4139
87	9.3	9.2W	52 24.256	-0.0027	07	-54 30 59.11	0.018	07	0.18	24.288	15	38.3	59.31	18	38.3	F0	C9	4140	P -54 4141
88	11.2		52 25.279	-0.0033	12	-52 58 1.82	-0.002	12	0.22	25.318	15	38.3	1.80	18	38.3	K0	C9	4141	P -52 4007
89		6.6T	52 31.042	0.0016	13	-55 21 7.12	-0.007	10	0.61	30.962	21	03.1	6.74	19	98.5	K2	GC	15019	P*-54 4145
90	9.5E	9.5Z	52 33.421	-0.0013	12	-50 58 2.83	-0.003	12	0.73	33.482	45	01.3	2.68	45	01.3	A0	CZ	9044	P -50 3775
91		7.5T	52 34.771	-0.0020	12	-54 17 36.46	-0.005	09	0.53	34.857	18	06.7	36.20	18	99.0	B8	GC	15012	P -53 4224
92	9.5	9.6W	52 42.765	-0.0011	09	-52 17 14.56	-0.031	09	0.20	42.778	15	38.3	14.20	18	38.3	B8	C9	4145	P -51 3678
93	9.7	9.6W	52 48.207	-0.0030	10	-59 36 42.95	-0.004	10	0.15	48.218	14	46.3	42.94	14	46.3	A0	CO	3217	P -59 2833
94	9.0	9.3W	52 49.248	-0.0012	06	-58 18 13.56	-0.008	06	0.14	49.252	14	46.3	13.53	14	46.3	A0	CO	3218	P -57 3974
95	9.6	9.6W	52 56.354	-0.0063	07	-52 58 44.06	0.046	07	0.18	56.428	15	38.3	44.60	18	38.3	A2	C9	4146	P -52 4018
96		7.8T	53 9.049	0.0007	16	-52 23 10.52	-0.021	11	0.71	9.014	22	03.1	9.44	21	97.4	F0	GC	15023	C -51 5151
97	9.5	9.7W	53 13.805	-0.0054	07	-52 57 19.42	-0.002	07	0.18	13.868	15	38.3	19.40	18	38.3	B9	C9	4148	P -52 4028
98		7.4T	53 17.799	-0.0047	14	-53 48 45.26	0.000	10	0.63	18.014	21	04.2	45.26	19	98.9	B9	GC	15027	P -53 4233
99	9.5	9.7W	53 31.113	-0.0058	13	-56 33 7.92	0.003	13	0.15	31.134	14	46.3	7.93	14	46.3	A0	CO	3219	P -56 4005
00	9.1	9.3W	53 31.633	-0.0018	07	-55 23 0.20	-0.008	07	0.18	31.653	15	38.3	0.11	18	38.3	B8	C9	4150	P -54 4165

238600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 10H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.6	9.1W	10 53 32.568	-0.0005	07	-58 58 59.95	-0.031	07	0.14	32.570	14	46.3	59.83	14	46.3	F0	C0	3220	P -58 2868	
2	9.9E	9.4Z	53 33.650	-0.0013	12	-50 8 33.39	0.010	12	0.73	33.714	45	01.2	33.87	45	01.2		CZ	9054	P -49 3823	
3	9.4	9.3W	53 33.916	-0.0048	07	-56 55 51.25	-0.030	07	0.14	33.934	14	46.3	51.13	14	46.3	F0	C0	3221	P -56 4007	
4	9.3E	9.0Z	53 41.055	-0.0041	12	-50 1 11.39	-0.001	12	0.73	41.255	45	01.2	11.33	45	01.2	F0	CZ	9057	P -49 3825	
5	9.5	8.3W	53 46.298	-0.0043	07	-56 37 58.85	-0.004	07	0.14	46.314	14	46.3	58.83	14	46.3	K2	C0	3222	P -56 4010	
6	8.7	8.2W	53 54.222	-0.0027	07	-56 17 45.69	0.010	07	0.18	54.253	15	38.3	45.81	18	38.3	F0	C9	4152	P -54 4173	
7	9.0	8.6W	53 59.527	-0.0117	06	-59 15 22.38	0.096	06	0.14	59.570	14	46.3	22.74	14	46.3	G5	C0	3223	P -58 2873	
8	9.0	9.4W	54 0.231	-0.0010	07	-56 10 1.45	0.021	07	0.14	0.235	14	46.3	1.52	14	46.3	B9	C0	3224	P -55 3986	
9	8.1	8.4W	54 5.124	0.0005	07	-52 19 48.29	-0.008	07	0.18	5.118	15	38.3	48.20	18	38.3	B8	C9	4153	P -51 3699	
10	9.4	7.9W	54 8.685	-0.0019	07	-54 37 40.77	-0.004	07	0.18	8.708	15	38.3	40.71	18	38.3	K2	C9	4154	P -54 4178	
11		7.1T	54 12.275	-0.0009	12	-57 47 7.16	-0.032	09	0.53	12.317	18	05.5	5.63	17	02.0	M0	GC	15045	P -57 4002	
12	9.6	8.3W	54 18.726	0.0006	07	-56 34 38.40	-0.045	07	0.14	18.724	14	46.3	38.23	14	46.3	K5	C0	3226	P -56 4015	
13	7.6	7.3W	54 19.885	0.0003	06	-57 17 2.23	0.000	06	0.14	19.884	14	46.3	2.23	14	46.3	B0	C0	3227	P -56 4016	
14	8.6	8.8W	54 23.589	0.0003	06	-59 45 46.43	0.002	06	0.14	23.588	14	46.3	46.43	14	46.3	B5	C0	2996	P -59 2862	
15	8.3	8.5W	54 24.225	-0.0019	07	-54 36 19.76	0.013	07	0.18	24.248	15	38.3	19.91	18	38.3	A0	C9	4155	P -54 4182	
16		7.4T	54 28.751	0.0106	12	-50 20 23.86	-0.070	11	0.65	28.224	22	00.1	20.10	21	96.6	F2	GC	15050	C -49 5683	
17	9.0	9.1W	54 41.439	-0.0007	07	-53 36 23.52	0.025	07	0.18	41.448	15	38.3	23.80	18	38.3	A2	C9	4156	P -53 4249	
18	8.9	9.2W	54 42.621	-0.0007	07	-56 38 34.52	0.004	07	0.14	42.624	14	46.3	34.53	14	46.3	A0	C0	3229	P -56 4022	
19	9.1	8.0W	54 46.224	0.0004	06	-58 23 23.05	-0.004	06	0.14	46.222	14	46.3	23.03	14	46.3	K0	C0	3230	P -57 4007	
20	9.1	9.5W	54 50.966	0.0006	07	-57 18 34.65	-0.005	07	0.14	50.964	14	46.3	34.64	14	46.3	B9	C0	3231	P -56 4025	
21	9.4	9.8W	54 51.414	-0.0003	14	-54 20 7.38	-0.015	14	0.23	51.418	15	38.3	7.21	18	38.3	A0	C9	4157	P -53 4250	
22		6.2T	54 56.717	-0.0042	12	-50 29 52.00	-0.008	11	0.63	56.936	18	98.4	51.55	17	96.2	A3	GC	15057	C -50 5534	
23	9.4	9.5W	55 2.709	0.0022	15	-55 11 41.13	-0.010	15	0.24	2.683	15	38.3	41.01	18	38.3	A2	C9	4158	P -54 4193	
24	10.1	9.0W	55 4.544	-0.0013	06	-59 32 0.39	-0.015	06	0.14	4.549	14	46.3	0.33	14	46.3	K0	C0	3232	P -59 2874	
25	8.8	9.1W	55 4.634	-0.0020	07	-52 47 18.08	-0.007	07	0.18	4.658	15	38.3	18.00	18	38.3	B9	C9	4159	P -52 4044	
26	9.5	9.6W	55 7.729	-0.0033	07	-53 41 30.02	-0.001	07	0.18	7.768	15	38.3	30.00	18	38.3	A0	C9	4160	P -53 4252	
27	9.0	9.1W	55 10.042	0.0007	07	-55 28 32.04	-0.020	07	0.18	10.033	15	38.3	31.81	18	38.3	A0	C9	4161	P -55 3999	
28	8.7E	9.0Z	55 13.189	-0.0011	12	-51 33 36.01	-0.007	12	0.68	13.245	31	99.8	35.65	31	99.8	B0	CZ	9082	P -51 3712	
29	9.8	10.0W	55 15.187	-0.0008	07	-58 49 50.01	-0.021	07	0.14	15.190	14	46.3	49.94	14	46.3	A0	C0	3233	P -58 2886	
30	9.0E	9.2Z	55 17.968	0.0015	12	-50 48 16.81	-0.018	12	0.73	17.893	45	01.3	15.93	45	01.3	A0	CZ	9084	P -50 3815	
31	9.5	9.7W	55 24.103	-0.0030	13	-56 44 24.46	-0.006	13	0.15	24.114	14	46.3	24.43	14	46.3	A2	C0	3234	P -56 4038	
32	9.4	9.0W	55 34.254	-0.0089	07	-54 12 58.87	0.020	07	0.18	34.358	15	38.3	59.10	18	38.3	F8	C9	4162	P -53 4257	
33	8.5	8.9W	55 35.716	-0.0017	06	-58 27 18.24	-0.003	06	0.14	35.722	14	46.3	18.23	14	46.3	B9	C0	3235	P -58 2891	
34	8.6	7.6W	55 36.102	-0.0022	05	-52 24 49.02	-0.019	05	0.18	36.128	15	38.3	48.80	18	38.3	K0	C9	4163	P -52 4055	
35		6.3I	55 45.601	0.0012	12	-50 27 50.85	0.013	09	0.52	45.544	18	03.7	51.48	15	00.8	G0	GC	15071V	P*-59 2888	
36	8.8	9.1W	55 46.566	0.0010	07	-57 40 49.84	-0.003	07	0.14	46.562	14	46.3	49.83	14	46.3	B8	C0	3237	P -57 4026	
37	9.5	9.6W	55 49.345	0.0003	12	-56 42 10.40	-0.019	12	0.15	49.344	14	46.3	10.33	14	46.3	A0	C0	3238	P -56 4044	
38	9.5	8.6W	55 56.301	0.0025	07	-56 0 51.96	-0.005	07	0.18	56.272	15	38.3	51.91	18	38.3	G5	C9	4164	P -55 4017	
39		6.9T	55 57.645	-0.0001	12	-55 30 56.33	-0.015	10	0.53	57.648	18	07.9	55.57	18	00.5	K0	GC	15074	P -55 4018	
40	9.2	8.1W	55 58.392	-0.0039	07	-54 3 48.32	0.016	07	0.18	58.438	15	38.3	48.50	18	38.3	K0	C9	4166	P -53 4262	
41	8.8	9.2W	56 16.673	-0.0003	07	-57 6 19.57	-0.010	07	0.14	16.674	14	46.4	19.54	14	46.4	B9	C0	3239	P -56 4052	
42	9.4E	9.5Z	56 19.436	-0.0002	12	-51 41 4.26	-0.001	12	0.85	19.447	63	00.4	4.20	57	00.4	A0	CZ	9094	P -51 3728	
43	8.2E	8.5Z	56 27.967	-0.0005	12	-51 47 4.91	-0.007	12	0.85	27.993	63	00.4	4.58	57	00.4	A2	CZ	9099	P -51 3732	
44		8.0T	56 28.657	-0.0042	16	-57 43 27.09	0.006	12	0.63	28.836	18	08.0	27.35	17	07.1	A2	GC	15083	P -57 4035	
45	9.7	9.7W	56 31.224	0.0057	15	-54 11 49.42	0.076	15	0.24	31.158	15	38.3	50.30	18	38.3	A2	C9	4167	P -53 4266	
46	9.2	9.0W	56 32.658	-0.0085	07	-54 40 14.32	0.009	07	0.18	32.758	15	38.3	14.41	18	38.3	F8	C9	4168	P -54 4208	
47	9.2	9.4W	56 33.385	-0.0045	15	-54 14 21.32	0.025	15	0.24	33.438	15	38.3	21.61	18	38.3	A0	C9	4169	P -53 4269	
48	9.1	9.3W	56 37.466	-0.0024	07	-55 15 31.84	0.006	07	0.18	37.493	15	38.3	31.91	18	38.3	A0	C9	4170	P -54 4209	
49	9.1E	8.2Z	56 39.033	0.0024	12	-50 0 22.13	-0.019	12	0.73	38.917	45	01.3	21.19	45	01.3	K0	CZ	9102	P -49 3872	
50	10.5		56 40.364	-0.0003	14	-52 6 27.44	-0.012	14	0.23	40.368	15	38.3	27.30	18	38.3	A3	C9	4171	P -51 3734	
51	9.2	8.3W	10 56 48.179	0.0070	07	-53 47 26.79	0.019	07	0.18	48.098	15	38.3	27.00	18	38.3	G5	C9	4172	P -53 4271	
52		6.9T	56 55.255	-0.0123	11	-53 16 17.34	0.003	08	0.52	55.878	19	99.2	17.50	15	96.8	F8	GC	15095	P -52 4072	
53	8.3	8.6W	56 56.744	-0.0029	07	-54 37 8.74	0.015	07	0.18	56.778	15	38.3	8.91	18	38.3	B0	C9	4174	P -54 4217	
54		7.8T	57 1.752	-0.0018	17	-58 54 1.19	-0.012	13	0.69	1.833	19	07.4	0.65	19	05.7	A0	GC	15100	P -58 2907	
55	9.1	9.1W	57 2.945	0.0030	13	-56 37 12.30	-0.018	13	0.15	2.934	14	46.4	12.24	14	46.4	A3	C0	3242	P -56 4065	
56	8.1	8.5W	57 7.791	-0.0023	06	-59 7 47.48	-0.014	06	0.14	7.800	14	46.4	47.44	14	46.4	A0	C0	3243	P -58 2909	
57	9.7	9.9W	57 9.889	-0.0012	07	-55 12 17.68	0.002	07	0.18	9.903	15	38.3	17.71	18	38.3	A2	C9	4175	P -54 4218	
58	9.6		57 11.126	0.0002	09	-55 13 27.09	0.044	09	0.20	11.123	15	38.3	27.61	18	38.3	B9	C9	4176	P -54 4219	
59	9.0	9.1W	57 15.316	-0.0016	07	-57 51 21.89	-0.016	07	0.14	15.322	14	46.4	21.83	14	46.4	A3	C0	3244	P -57 4052	
60	8.7	8.4W	57 15.638	-0.0055	06	-59 56 37.06	-0.008	06	0.14	15.659	14	46.3	37.04	14	46.3	F2	C0	3011	P -59 2908	
61	8.9	9.4W	57 17.018	0.0001	07	-59 38 34.82	0.003	07	0.14	17.018	14	46.4	34.84	14	46.4	B9	C0	3246	P -59 2909	
62	9.1	8.5W	57 21.881	-0.0485	07	-56 21 10.59	-0.129	07	0.14	22.055	14	46.4	10.12	14	46.4	K0	C0	3247	P -55 4033	
63	8.7	9.0W	57 28.104	-0.0015	06	-59 21 38.30	-0.018	06	0.14	28.110	14	46.4	38.23	14	46.4	B	C0	3248	P -58 2916	
64	9.0	8.7W	57 30.836	0.0024	07	-54 45 39.24	-0.002	07	0.18	30.808	15	38.3	39.21	18	38.3	F5	C9	4177	P -54 4222	
65	7.1	7.5W	57 35.647	0.0006	13	-55 56 14.26	0.018	13	0.15	35.645	14	46.4	14.32	14	46.4	A0	C0	3249	P -55 4038	
66		7.8T	57 36.227	-0.0005	13	-53 25 12.38	-0.011	09	0.54	36.247	18	07.8	11.83	18	00.1	A2	GC	15114	P -53 4282	
67	9.4E	9.5Z	57 42.197	0.0003	12	-51 46 47.59	-0.019	12	0.85	42.184	63	00.4	46.67	57	00.4	A2	CZ	9120	P -51 3745	
68	9.7E	9.6Z	57 45.860	-0.0003	12	-51 23 33.14	-0.006	12	0.85	45.873	63	00.4	32.83	57	00.4	A0	CZ	9122	P -50 3838	
69	8.7	9.0W	57 47.497	-0.0014	06	-57 53 53.80	0.010	06	0.14	47.502	14	46.4	53.84	14	46.4	A2	C0	3250	P -57 4062	
70	8.5	8.9W	57 48.465	-0.0013	05	-59 18 29.07	-0.010	05	0.14	48.470	14	46.4	29.03	14	46.4	A0	C0	3251	P -58 2918	
71	9.8E	9.3*	57 49.058	-0.0013	12	-50 43 9.76	-0.009	12	0.66	49.120	31	00.7	9.30	28	00.7	B9	CZ	9123	P -50 3840	
72	9.8		57 54.424	-0.0042	07	-55 21 3.28	-0.006	07	0.18	54.473	15	38.3	3.21	18	38.3	A0	C9	4180	P -54 4226	
73	8.7E	8.5Z	57 54.939	-0.0018	12	-50 13 32.78	-0.001	12	0.65	55.029	28	00.6	32.72	26	00.6	F5	CZ	9126	P -49 3886	
74		6.3T	57 57.247	-0.0042	13	-51 32 56.70	0.001	11	0.65	57.451	22	00.9	56.77	21	96.1	A3	GC	15121	C -51 5220	
75	9.7	9.8W	57 57.861	0.0020	14	-51 58 23.90	-0.009	14	0.23	57.838	15	38.3	23.80	18	38.3	A0	C9	4181	P -51 3751	
76	8.8	8.7W	57 59.797	-0.0048	07	-55 23 53.68	0.011	07	0.18	59.853	15	38.3	53.81	18	38.3	F0	C9	4182	P -54 4227	
77	8.5	8.8W	58 3.652	-0.0022	06	-58 36 54.88	-0.014	06	0.14	3.660	14	46.4	54.84	14	46.4	A0	C0	3252	P -58 2923	
78	9.0	8.3W	58 9.184	0.0005	07	-54 17 56.65	0.014	07	0.18	9.178	15	38.3	56.81	18	38.3	K0	C9	4183	P -53 4284	
79	8.6	8.9W	58 9.890	-0.0038	07	-57 17 30.54	-0.002	07	0.14	9.903	14	46.4	30.54	14	46.4	MA	C0	3253	P -56 4094	
80	9.3	9.5W	58 14.075	-0.0020	06	-58 8 19.86	-0.007	06	0.14	14.082	14	46.4	19.83	14	46.4	A0	C0	3254	P -57 4076	
81	8.0	8.3W	58 15.570	-0.0014	07	-56 26 2.13	-0.003	07	0.14	15.575	14	46.4	2.12	14	46.4	A2	C0	3255	P -56 4095	
82	9.0E	8.5Z	58 17.510	0.0002	12	-50 5 57.06	-0.006	12	0.73	17.501	45	01.3	56.75	45	01.3	F5	CZ	9137	P -49 3893	
83		8.1T	58 18.627	-0.0016	12	-58 42 52.14	-0.010	10	0.53	18.702	18	05.9	51.67	17	03.3	A0	GC	15132	P -58 2926	
84		7.7T	58 22.027	0.0005	12	-51 40 43.18	-0.007	10	0.60	21.999	21	98.2	42.83	17	97.7	A0	GC	15133	C -51 5225	
85	9.3E	9.3Z	58 23.719	-0.0006	12	-51 22 31.03	0.001	12	0.85	23.747	63	00.4	31.08	57	00.4	A5	CZ	9140	P -50 3847	
86	9.9E	9.5Z	58 25.645	-0.0013	12	-51 37 57.28	-0.005	12	0.85	25.710	63	00.4	57.02	57	00.4		CZ	9141	P -51 3761	
87		6.6T	58 26.024	-0.0107	12	-52 50 35.92	0.003	09	0.54	26.484	18	06.9	36.08	18	99.4	K0	GC	15135	P -52 4109	
88	9.0	9.2W	58 28.465	-0.0023	07	-57 25 42.84	-0.003	07	0.14	28.473	14	46.4	42.83	14	46.4	A3	C0	3257	P -57 4079	
89	8.7	8.6W	58 28.837	-0.0052	07	-53 18 21.08	0.027	07	0.18	28.898	15	38.3	21.40	18	38.3	F0	C9	4185	P -52 4111	
90	9.4E	9.0Z	58 32.181	-0.0005	12	-50 9 39.39	-0.015	12	0.73	32.206	45	01.3	38.64	45	01.3	A0	CZ	9142	P -49 3894	
91	8.3	8.5W	58 34.037	0.0003	07	-55 5 16.73	-0.002	07	0.18	34.033	15	38.3	16.71	18	38.3	B8	C9	4186	P -54 4238	
92		7.0T	58 36.260	-0.0025	13	-51 48 21.32	-0.003	10	0.62	38.380	19	01.2	21.17	21	95.4	A0	GC	15141	C -51 5230	
93	11.2E	9.2H	58 55.035	0.0002	12	-51 56 11.98	-0.010	12	0.85	55.026	63	00.4	11.50	57	00.4	G5	CZ	9146	P -51 3768	
94	9.0E	8.0Z	58 56.627	-0.0045	12	-51 56 20.57	-0.007	12	0.68	56.855	31	99.8	20.24	31	99.8	G5	CZ	9147	P -51 3768	
95	9.5	8.7W	58 58.131	-0.0014	07	-53 17 0.15	0.013	07	0.18	58.148	15	38.3	0.30	18	38.3	G5	C9	4188	P -52 4117	
96	8.6	8.1W	59 9.439	0.0003	13	-59 44 26.42	-0.025	13	0.15	9.438	14	46.4	26.33	14	46.4	K0	C0	3259	P -59 2942	
97		8.1T	59 12.135	-0.0035	18	-56 29 53.34	-0.004	15	0.77	12.291	22	06.6	53.14	22	05.1	A0	GC	15149	P -56 4111	
98	8.6	8.3W	59 12.661	-0.0074	07	-54 18 55.55	0.031	07	0.18	12.748	15	38.3	55.90	18	38.3	F5	C9	4189	P -53 4290	
99	8.2	8.6W	59 34.766	-0.0047	13	-56 59 41.51	0.008	13	0.15	34.764	14	46.4	41.53	14	46.4	A0	C0	3261	P*-56 4117	
00	8.5	8.9W	59 41.343	-0.0025	06	-57 55 23.54	-0.002	06	0.14	41.352	14	46.4	23.53	14	46.4	B9	C0	3262	P -57 4109	

238700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.1E	9.8Z	10 59 48.083	-0.0006	12	-50 10 56.75	-0.021	12	0.73	48.113	45	01.3	55.72	45	01.3	A2	CZ	9152	P -49 3911
2	9.1	8.7W	59 51.192	-0.0031	06	-53 46 58.25	-0.012	06	0.18	51.228	15	38.3	58.10	18	38.3	F5	C9	4195	P -53 4296
3	9.0	9.1W	59 52.905	-0.0013	07	-59 6 31.07	-0.010	07	0.14	52.910	14	46.4	31.04	14	46.4	B0	C0	3263	P -58 2945
4	9.1	9.1W	11 0 1.148	-0.0016	14	-57 18 50.00	-0.018	14	0.15	1.153	14	46.4	49.94	14	46.4	F0	C0	3264	P -56 4127
5	8.0	8.3W	0 2.204	-0.0003	07	-56 8 11.75	-0.009	07	0.14	2.205	14	46.4	11.72	14	46.4	A2	C0	3265	P -55 4077
6	7.9	8.1W	0 16.764	0.0005	07	-57 37 24.16	-0.007	07	0.14	16.762	14	46.4	24.13	14	46.4	B9	C0	3266	P -57 4119
7	8.8	8.0W	0 19.379	-0.0064	06	-58 29 27.30	-0.017	06	0.14	19.402	14	46.4	27.24	14	46.4	G5	C0	3267	P -58 2953
8	8.3E	8.5Z	0 19.955	-0.0053	12	-51 19 53.68	0.001	12	0.67	20.219	31	99.8	53.73	28	99.8	A2	CZ	9162	P -50 3881
9	10.1E	9.5Z	0 24.464	-0.0053	12	-50 3 42.53	-0.002	12	0.66	24.726	31	00.6	42.42	28	00.6	G0	CZ	9163	P -49 3920
10	9.4	9.5W	0 25.349	0.0010	07	-52 26 45.53	-0.020	07	0.18	25.338	15	38.3	45.30	18	38.3	A0	C9	4192	P -52 4144
11	8.8E	8.8Z	0 28.191	0.0012	12	-50 9 35.80	-0.035	12	0.73	28.133	45	01.3	34.08	45	01.3	F8	CZ	9165D	P*-49 3921
12	8.7	9.1W	0 30.986	0.0005	13	-56 30 28.03	-0.026	13	0.15	30.984	14	46.4	27.93	14	46.4	A0	C0	3268	P -56 4132
13	8.3	8.6W	0 31.121	-0.0003	06	-58 8 41.81	0.006	06	0.14	31.122	14	46.4	41.83	14	46.4	B9	C0	3269	P -57 4127
14		8.4T	0 32.056	-0.0033	14	-55 10 32.60	-0.008	11	0.65	32.224	21	04.2	32.18	19	99.5	B9	GC	15182	P -54 4264
15		7.1T	0 41.322	0.0018	12	-59 28 17.39	0.002	11	0.57	41.236	19	03.8	17.48	18	00.7	B8	GC	15187	P*-59 2972
16	8.2	8.5W	0 59.008	-0.0006	06	-58 50 31.04	-0.003	06	0.14	59.010	14	46.4	31.04	14	46.4	A0	C0	3271	P -58 2975
17	8.4E	7.8H	0 59.462	0.0031	12	-50 43 20.26	-0.024	12	0.73	59.310	45	01.4	19.07	45	01.4	G5	CZ	9176	P -50 3890
18	9.1	9.5W	1 19.695	-0.0011	07	-54 8 55.60	0.018	07	0.18	19.708	15	38.3	55.81	18	38.3	B9	C9	4195	P -53 4310
19	9.0	9.3W	1 24.986	-0.0022	07	-57 16 8.60	-0.017	07	0.14	24.994	14	46.4	8.54	14	46.4	A0	C0	3272	P -56 4155
20		6.9T	1 30.584	-0.0228	15	-51 4 59.71	0.007	10	0.67	31.676	22	02.1	0.08	21	95.0	A5	GC	15212	C -50 5641
21	8.7	8.6W	1 30.617	-0.0009	06	-53 39 51.92	0.016	06	0.18	30.628	15	38.3	52.10	18	38.3	B8	C9	4196	P*-53 4311
22	9.3E	8.5Z	1 33.722	-0.0000	12	-51 49 42.11	-0.032	12	0.68	33.724	31	99.8	40.53	31	99.8	K0	CZ	9183	P -51 3812
23	8.4	8.5W	1 34.790	0.0001	06	-59 9 48.05	-0.005	06	0.14	34.790	14	46.4	48.03	14	46.4	B	C0	3273	P -58 2992
24		7.2T	1 37.398	-0.0063	16	-50 45 36.25	-0.006	11	0.71	37.701	19	01.9	35.93	18	97.8	K0	GC	15214	C -50 5645
25	9.3	9.6W	1 39.841	-0.0014	15	-54 31 51.79	0.079	15	0.24	39.858	15	38.3	52.71	18	38.3	A0	C9	4197	P -54 4278
26	8.1	8.5W	1 46.512	-0.0000	07	-58 7 31.88	-0.014	07	0.14	46.512	14	46.4	31.83	14	46.4	B9	C0	3274	P -57 4170
27		8.6T	1 46.650	-0.0018	14	-58 29 44.33	-0.013	12	0.57	46.726	19	09.2	43.78	18	07.2	B9	GC	15218	P -58 2995
28	9.2	9.4W	1 47.244	-0.0003	07	-54 48 33.36	0.005	07	0.18	47.248	15	38.3	33.41	18	38.3	A0	C9	4198	P -54 4281
29		6.6T	1 51.960	-0.0010	10	-53 55 40.99	-0.017	06	0.36	52.000	14	10.3	40.19	12	02.9	K0	GC	15220	P -53 4317
30		6.4T	1 52.681	-0.0043	12	-57 41 7.70	-0.010	09	0.51	52.884	18	05.8	7.23	15	02.4	B3	GC	15221	P -57 4174
31	9.2E	8.3Z	1 59.009	-0.0008	12	-51 27 0.87	-0.010	12	0.73	59.045	45	01.9	0.38	45	01.9	K0	CZ	9187	P -51 3820
32	8.4	8.0W	2 5.947	-0.0014	06	-58 27 31.47	-0.009	06	0.14	5.952	14	46.4	31.43	14	46.4	F2	C0	3277	P -58 3003
33	8.7	7.6W	2 6.870	-0.0032	07	-58 11 39.63	-0.028	07	0.14	6.882	14	46.4	39.53	14	46.4	+++	C0	3278	P -57 4181
34		8.0T	2 16.835	-0.0066	13	-52 50 19.11	-0.006	10	0.61	17.142	21	03.3	18.80	19	98.2	A3	GC	15231	P -52 4175
35		7.8T	2 19.996	-0.0012	13	-59 35 54.25	-0.004	12	0.57	20.047	19	07.7	54.06	18	06.6	B	GC	15232	P -59 2996
36	9.5	8.8W	2 21.511	0.0011	08	-52 11 6.01	0.025	08	0.19	21.498	15	38.3	6.30	18	38.3	G5	C9	4202	P -51 3823
37	9.5E	9.0Z	2 24.891	-0.0007	12	-50 2 44.01	-0.018	12	0.72	24.927	45	02.3	43.16	45	02.3	K0	CZ	9197	P -49 3945
38		9.6T	2 26.248	-0.0030	26	-59 40 9.03	-0.013	17	0.92	26.376	22	09.4	8.45	21	06.7	A2	GC	15234	P -59 3003
39	8.5	7.9W	2 26.844	-0.0022	06	-58 25 27.67	-0.010	06	0.14	26.852	14	46.4	27.63	14	46.4	G5	C0	3281	P -58 3014
40	8.5	7.6W	2 29.034	-0.0022	07	-58 29 9.04	-0.002	07	0.14	29.042	14	46.4	9.03	14	46.4	G5	C0	3282	P -58 3016
41	7.7	8.2W	2 46.826	-0.0017	09	-58 16 54.60	0.009	09	0.14	46.832	14	46.4	54.63	14	46.4	B8	C0	3283	P -57 4206
42	8.1	8.5W	2 49.265	-0.0019	05	-58 23 45.21	0.008	05	0.14	49.272	14	46.4	45.23	14	46.4	A0	C0	3284	P -57 4208
43		6.6T	2 51.514	-0.0036	11	-59 35 19.34	0.006	11	0.52	51.680	17	07.4	19.60	18	03.5	B6	GC	15235	P -59 3017
44	9.4	9.6W	2 53.872	-0.0056	15	-52 56 19.56	0.029	15	0.24	53.938	15	38.3	19.90	18	38.3	A0	C9	4203	P -52 4187
45	8.7	8.7W	2 54.553	-0.0004	07	-52 36 31.30	-0.000	07	0.18	54.558	15	38.3	31.30	18	38.3	F0	C9	4204	P -52 4188
46		10.2T	2 54.725	-0.0014	15	-59 26 35.70	-0.019	14	0.74	54.795	22	02.2	34.77	22	01.1		GC	15247	
47	9.2	9.4W	2 54.777	-0.0009	07	-51 58 26.31	-0.001	07	0.18	54.788	15	38.3	26.30	18	38.3	A0	C9	4205	P -51 3832
48	9.0	8.8W	2 55.404	0.0010	07	-56 7 58.78	-0.041	07	0.18	55.392	15	38.3	58.31	18	38.3	F8	C9	4206	P*-55 4117
49		7.9T	2 57.189	0.0008	11	-59 26 36.73	-0.011	09	0.54	57.148	19	02.0	36.14	18	97.2	B0	GC	15250K	P -59 3019
50	8.9	9.2W	3 0.049	-0.0002	07	-58 44 47.95	-0.005	07	0.14	0.050	14	46.4	47.93	14	46.4	A2	C0	3288	P -58 3048
51		8.2T	11 3 1.325	-0.0013	17	-59 41 10.53	-0.006	12	0.69	1.385	21	06.8	10.23	19	02.8	B3	GC	15254	P -59 3024
52	9.9	8.9W	3 6.544	0.0048	07	-52 6 56.89	0.001	07	0.18	6.488	15	38.3	56.90	18	38.3	K0	C9	4207	P -51 3836
53	9.8E	9.0Z	3 7.501	-0.0023	12	-50 59 56.79	-0.027	12	0.72	7.610	45	02.9	55.53	45	02.9	F8	CZ	9210	P -50 3936
54	8.8	9.1W	3 8.178	-0.0004	07	-58 48 45.29	0.011	07	0.14	8.180	14	46.4	45.33	14	46.4	A0	C0	3290	P*-58 3055
55	8.3	8.5W	3 9.466	-0.0038	08	-58 30 48.63	0.002	08	0.14	9.480	14	46.4	48.63	14	46.4	A0	C0	3291	P -58 3056
56	8.9	9.2W	3 10.626	-0.0018	07	-57 55 46.57	-0.010	07	0.14	10.632	14	46.4	46.53	14	46.4	A0	C0	3292	P -57 4224
57	9.7	9.9W	3 19.173	-0.0004	12	-52 31 34.30	0.034	12	0.22	19.178	15	38.3	34.70	18	38.3	A3	C9	4208	P -52 4194
58	8.0E	8.5H	3 22.583	-0.0025	12	-50 16 53.97	0.005	12	0.72	22.703	45	02.9	54.22	45	02.9	B9	CZ	9217	P -49 3955
59	8.7	8.4W	3 30.609	-0.0124	07	-56 35 36.69	0.068	07	0.14	30.654	14	46.4	36.93	14	46.4	F8	C0	3293	P -56 4193
60	8.7	9.1W	3 35.096	-0.0011	11	-58 33 57.15	0.022	11	0.15	35.100	14	46.4	57.23	14	46.4	B8	C0	3294	P -58 3075
61	8.3	8.5Y	3 45.896	-0.0017	07	-58 23 32.13	0.000	07	0.14	45.902	14	46.4	32.13	14	46.4	A	C0	3295	P*-57 4253
62	10.3	10.0W	3 48.579	0.0018	14	-52 5 12.60	-0.000	14	0.23	48.558	15	38.3	12.65	18	38.3	F8	C9	4209	P -51 3844
63		6.4T	3 51.662	0.0003	16	-50 56 28.35	-0.068	09	0.69	51.647	19	01.1	24.53	17	94.1	G5	GC	15265	C -50 5686
64	9.1	9.4W	3 57.602	-0.0027	07	-55 29 13.76	-0.013	07	0.18	57.633	15	38.3	13.61	18	38.3	A0	C9	4210	P -55 4130
65	7.6	8.1W	3 59.228	-0.0008	07	-58 58 16.04	-0.003	07	0.14	59.230	14	46.4	16.03	14	46.4	B8	C0	3296	P -58 3096
66		7.0T	3 59.410	-0.0031	12	-59 40 45.70	0.004	10	0.54	59.553	19	05.0	45.87	18	03.6	B3P	GC	15267	P -59 3038
67	8.2	8.6W	4 0.359	-0.0004	07	-58 37 17.99	0.011	07	0.14	0.360	14	46.4	18.03	14	46.4	B5	C0	3298	P -58 3097
68	9.1	9.3W	4 1.190	-0.0015	07	-56 12 20.02	0.000	07	0.14	1.195	14	46.4	20.02	14	46.4	B8	C0	3299	P -55 4132
69	9.0E	8.2Z	4 4.408	-0.0025	12	-51 19 59.08	-0.005	12	0.82	4.526	63	03.4	58.86	57	03.4	K0	CZ	9231	P -50 3956
70		6.9T	4 5.020	-0.0009	26	-50 10 35.68	0.029	28	1.24	5.063	21	04.6	36.96	21	05.1	K5	GC	15272	C*-49 5831
71	7.9	8.3W	4 5.535	-0.0041	06	-58 34 24.80	0.009	06	0.14	5.550	14	46.4	24.84	14	46.4	B8	C0	3300	P -58 3103
72	8.5	8.8W	4 6.292	-0.0022	07	-53 19 58.64	0.005	07	0.18	6.318	15	38.3	58.70	18	38.3	A0	C9	4211	P -52 4211
73	8.5	8.4W	4 6.901	-0.0018	07	-55 38 39.66	-0.022	07	0.18	6.922	15	38.3	39.41	18	38.3	A5	C9	4212	P -55 4134
74	10.0		4 12.194	-0.0012	15	-53 5 4.05	0.030	15	0.24	12.208	15	38.3	4.40	18	38.3	B9	C9	4213	P -52 4214
75		6.3T	4 13.354	-0.0073	10	-50 41 10.63	0.003	07	0.40	13.655	15	08.7	10.75	14	04.7	K2	GC	15277	C -50 5693
76	8.7	8.9W	4 15.852	-0.0029	07	-57 41 33.20	-0.018	07	0.14	15.863	14	46.4	33.14	14	46.4	A2	C0	3301	P -57 4269
77		8.1T	4 16.565	-0.0036	10	-53 0 4.98	-0.021	10	0.54	16.745	19	99.6	3.84	18	95.8	B8	GC	15279K	P -52 4217
78	9.4	9.0W	4 20.501	-0.0014	07	-53 27 40.31	0.008	07	0.18	20.518	15	38.3	40.40	18	38.3	F8	C9	4215	P -53 4344
79		6.1T	4 21.413	-0.0016	10	-58 24 16.31	-0.003	07	0.45	21.491	18	05.4	16.17	15	00.7	K0	GC	15283K	P -58 3112
80	7.5	7.9W	4 28.019	-0.0009	08	-58 28 25.02	0.005	08	0.14	28.022	14	46.4	25.04	14	46.4	A0	C0	3303	P -58 3120
81		7.5T	4 29.648	-0.0004	15	-52 40 47.89	-0.014	11	0.65	29.665	21	04.4	47.18	19	99.3	K0	GC	15289	P -52 4219
82	9.2	9.4W	4 32.621	0.0003	14	-58 48 47.97	0.016	14	0.15	32.620	14	46.4	48.03	14	46.4	A2	C0	3304	P -58 3124
83		8.5T	4 35.805	-0.0024	20	-53 1 46.03	-0.004	16	0.81	35.902	22	07.1	45.85	21	04.8	G5	GC	15292	P -52 4222
84	8.5	8.7W	4 41.510	-0.0006	07	-58 28 18.06	-0.007	07	0.14	41.512	14	46.4	18.03	14	46.4	A2	C0	3305	P -58 3128
85	7.2	7.5W	4 46.634	-0.0017	06	-58 31 21.81	0.006	06	0.14	46.640	14	46.4	21.83	14	46.4	B9	C0	3306	P -58 3132
86	8.2	8.6W	4 47.962	0.0001	07	-57 57 54.20	0.010	07	0.14	47.962	14	46.4	54.24	14	46.4	A0	C0	3307	P -57 4267
87	9.4E	9.1Z	4 49.143	-0.0043	12	-51 39 24.50	0.005	12	0.82	49.343	63	03.4	24.76	57	03.4	F5	CZ	9243	P -51 3862
88	8.9	9.0W	4 52.693	0.0009	06	-59 23 49.83	0.000	06	0.14	52.690	14	46.4	49.83	14	46.4	B8	C0	3308	P -58 3140
89	8.6	8.6W	4 57.621	0.0008	06	-59 31 15.18	-0.012	06	0.14	57.618	14	46.4	15.13	14	46.4	B2	C0	3309	P -59 3052
90	8.1	8.5W	5 0.087	-0.0014	05	-58 26 44.36	-0.007	05	0.14	0.092	14	46.4	44.34	14	46.4	B9	C0	3310	P -58 3144
91	8.1	8.5W	5 3.475	-0.0014	06	-58 38 11.90	0.009	06	0.14	3.480	14	46.4	11.93	14	46.4	A0	C0	3311	P -58 3147
92	9.3	8.3W	5 5.709	-0.0040	07	-56 59 6.57	0.017	07	0.14	5.724	14	46.4	6.64	14	46.4	K0	C0	3312	P -56 4221
93		7.6T	5 6.751	-0.0047	16	-59 36 8.45	0.002	17	0.72	6.947	21	08.5	8.52	21	08.1	B0	GC	15308	P -59 3057
94	8.5	8.5W	5 11.975	0.0020	07	-59 32 46.36	-0.008	07	0.14	11.968	14	46.4	46.33	14	46.4	B	C0	3314	P -59 3059
95	10.5	8.7W	5 12.869	0.0027	12	-53 20 2.93	-0.011	12	0.22	12.838	15	38.3	2.80	18	38.3	K2	C9	4219	P -52 4231
96	8.2	8.3W	5 25.774	-0.0012	07	-59 41 33.67	-0.010	07	0.14	25.778	14	46.4	33.64	14	46.4	B	C0	3315	P -59 3064
97	8.3	8.7W	5 26.227	-0.0009	07	-53 47 28.33	0.015	07	0.18	26.238	15	38.3	28.50	18	38.3	B9	C9	4220	P -53 4360
98	10.0	9.8W	5 29.116	-0.0027	09	-53 48 28.81	0.025	09	0.20	29.148	15	38.3	29.10	18	38.3	A0	C9	4221	P -53 4361
99	7.9	8.2W	5 30.420	-0.0014	07	-56 23 22.75	-0.007	07	0.14	30.425	14	46.4	22.72	14	46.4	B9	C0	3316	P -55 4148
00	8.2	8.6W	5 33.416	-0.0017	06	-58 29 9.09	-0.015	06	0.14	33.422	14	46.4	9.03	14	46.4	A0	C0	3317	P -58 3161

-50° 10H

238800			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 11H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	8.9	7.5W	11 5 35.464	-0.0016	06	-59 24 0.95	-0.004	06	0.14	35.470	14	46.4	0.94	14	46.4	K0	CO	3318	P -58 3163	
2	9.5E	8.2Z	5 37.893	-0.0030	12	-50 16 7.45	-0.003	12	0.83	38.034	63	02.4	7.32	57	02.4	K0	CZ	9257	P -49 3976	
3	10.0	8.2W	5 45.254	0.0014	07	-52 31 57.70	-0.009	07	0.18	45.238	15	38.3	57.60	18	38.3	MA	C9	4222	P -52 4239	
4	8.3	7.0W	5 48.400	-0.0007	06	-58 1 11.14	-0.002	06	0.14	48.402	14	46.4	11.14	14	46.4	K0	CO	3319	P -57 4320	
5		7.0T	5 59.764	-0.0044	12	-52 7 57.62	0.118	08	0.53	59.964	17	04.0	+ 4.05	15	95.7	F2	GC	15315	C -51 5355	
6	9.0	9.4W	5 59.898	-0.0016	07	-57 15 44.36	-0.008	07	0.14	59.904	14	46.4	44.33	14	46.4	B8	CO	3320	P -56 4232	
7	8.1	7.9W	6 3.748	-0.0002	05	-59 58 30.94	-0.002	05	0.14	3.749	14	46.3	30.93	14	46.3	A0	CO	3074	P -59 3078	
8	9.4E	8.5Z	6 14.091	-0.0041	12	-50 13 44.75	0.004	12	0.72	14.284	45	02.3	44.95	45	02.3	F8	CZ	9261	P -49 3986	
9	7.9	7.7W	6 16.508	-0.0004	06	-59 8 29.15	-0.005	06	0.14	16.510	14	46.4	29.14	14	46.4	B	CO	3322	P -58 3184	
10	9.8	9.6W	6 17.811	-0.0057	12	-52 58 47.25	0.021	12	0.22	17.878	15	38.3	47.50	18	38.3	F0	C9	4224	P -52 4249	
11	8.8	9.0W	6 18.005	-0.0029	07	-56 12 50.84	-0.004	07	0.14	18.015	14	46.4	50.82	14	46.4	B3	CO	3323	P -55 4156	
12	8.1	8.0W	6 20.198	-0.0006	05	-58 37 3.32	0.004	05	0.14	20.200	14	46.4	3.33	14	46.4	F0	CO	3324	P -58 3186	
13		4.0M	6 26.766	-0.0009	03	-58 42 13.82	-0.002	03	0.12	26.791	07	21.0	13.74	06	16.7	F8P	F4	1289	P -58 3189	
14	9.4	7.6W	6 31.448	-0.0022	07	-55 4 59.02	-0.001	07	0.18	31.473	15	38.3	59.01	18	38.3	K5	C9	4225	P -54 4338	
15		7.2T	6 31.970	-0.0041	11	-56 47 40.93	0.001	09	0.55	32.192	21	01.4	40.97	19	95.4	B0	GC	15333	P -56 4238	
16	8.6	9.0W	6 35.610	-0.0024	07	-54 38 46.51	0.001	07	0.18	35.638	15	38.3	46.51	18	38.3	B9	C9	4226	P*-54 4339	
17	9.4	8.5W	6 40.848	0.0017	07	-52 1 58.12	-0.002	07	0.18	40.828	15	38.3	58.10	18	38.3	K0	C9	4227	P -51 3894	
18	8.7	9.1W	6 41.401	-0.0006	07	-53 15 12.04	0.014	07	0.18	41.408	15	38.3	12.20	18	38.3	B8	C9	4228	P -52 4256	
19	8.1	7.8W	6 49.023	-0.0002	06	-57 8 54.78	-0.014	06	0.14	49.024	14	46.4	54.74	14	46.4	A5	CO	3327	P -56 4247	
20	9.0	8.7W	7 1.220	0.0062	09	-52 17 33.08	-0.007	09	0.20	1.148	15	38.3	33.00	18	38.3	F8	C9	4229	P -51 3899	
21	7.8	8.0W	7 2.040	-0.0006	07	-58 27 10.55	-0.004	07	0.14	2.042	14	46.4	10.53	14	46.4	A2	CO	3328	P -58 3203	
22	9.5E	9.0Z	7 5.243	-0.0026	12	-51 21 1.72	0.012	12	0.66	5.341	31	01.3	2.32	31	01.3	A2	CZ	9270	P -50 4006	
23	8.8	9.0W	7 14.957	0.0008	07	-52 57 56.65	0.013	07	0.18	14.948	15	38.3	56.80	18	38.3	A0	C9	4230	P -52 4271	
24		7.3T	7 28.385	-0.0025	14	-54 26 36.12	-0.006	10	0.63	28.499	21	04.2	35.80	19	98.9	B9	GC	15349	P -54 4354	
25	7.0I		7 32.017	0.0001	12	-58 33 59.52	-0.017	09	0.53	32.013	19	05.4	58.69	17	01.6	F8	GC	15351X	P*-58 3216	
26	8.8	9.0W	7 32.392	-0.0044	07	-55 1 58.95	0.013	07	0.18	32.443	15	38.3	59.11	18	38.3	A5	C9	4232	P -54 4355	
27	9.7	9.8W	7 35.222	-0.0022	07	-53 3 0.04	0.039	07	0.18	35.248	15	38.3	0.50	18	38.3	A0	C9	4233	P -52 4277	
28	8.5	8.8W	7 35.512	-0.0001	07	-58 25 49.08	-0.014	07	0.14	35.512	14	46.4	49.04	14	46.4	A2	CO	3330	P -58 3219	
29	9.1	8.1W	7 39.873	0.0022	07	-53 23 44.22	-0.002	07	0.18	39.848	15	38.3	44.20	18	38.3	G5	C9	4234	P -52 4282	
30	9.0	7.9W	7 48.732	0.0004	07	-54 57 46.71	0.001	07	0.18	48.728	15	38.3	46.71	18	38.3	K0	C9	4235	P -54 4360	
31	7.4	7.8W	7 54.179	-0.0025	07	-59 49 24.73	0.001	07	0.14	54.188	14	46.4	24.74	14	46.4	B2	CO	3331	P -59 3100	
32	7.7	8.0W	7 58.031	0.0009	06	-59 58 38.89	-0.015	06	0.14	58.029	14	46.3	38.84	14	46.3	B2	CO	3091	P -59 3102	
33	9.6E	9.3*	7 59.374	-0.0038	12	-51 2 35.69	0.015	12	0.63	59.558	28	01.8	36.43	26	01.8	A0	CZ	9284	P -50 4019	
34	8.6	8.7W	7 59.602	-0.0021	06	-59 12 49.02	-0.022	06	0.14	59.610	14	46.4	48.94	14	46.4	B	CO	3333	P -58 3229	
35	8.2	8.3W	8 6.662	0.0001	06	-58 14 24.73	0.002	06	0.14	6.662	14	46.4	24.74	14	46.4	B8	CO	3334	P -57 4370	
36	8.2	8.5W	8 7.675	-0.0013	06	-59 14 29.18	-0.013	06	0.14	7.680	14	46.4	29.13	14	46.4	A	CO	3335	P -58 3231	
37	9.0	8.2W	8 12.221	-0.0030	06	-57 52 45.75	-0.005	06	0.14	12.232	14	46.4	45.73	14	46.4	G5	CO	3336	P -57 4374	
38	8.6	9.0W	8 15.529	0.0018	09	-52 16 59.48	-0.007	09	0.20	15.508	15	38.3	59.40	18	38.3	A0	C9	4237	P -51 3921	
39		6.3T	8 44.664	-0.0043	13	-58 11 0.74	0.000	09	0.56	44.876	19	04.6	0.74	17	00.3	B8	GC	15374	P*-57 4387	
40	9.4	8.6W	8 47.132	-0.0010	07	-55 0 37.14	0.006	07	0.18	47.143	15	38.3	37.21	18	38.3	G5	C9	4238	P -54 4373	
41	9.6E	9.0Z	8 52.568	-0.0031	12	-51 9 59.80	0.004	12	0.72	52.715	45	02.9	+ 0.01	45	02.9	F5	CZ	9298	P -50 4033	
42	9.0	9.2W	8 54.477	-0.0035	08	-52 23 23.04	-0.004	08	0.19	54.518	15	38.3	23.00	18	38.3	A2	C9	4239	P -51 3934	
43	9.9		8 57.601	0.0003	07	-52 39 32.54	0.022	07	0.18	57.598	15	38.3	32.80	18	38.3	A0	C9	4240	P -52 4302	
44		8.0T	9 6.702	-0.0031	13	-54 17 6.07	0.002	11	0.64	6.849	21	02.4	6.17	19	97.8	F8	GC	15381	P -53 4394	
45	10.6E	9.2*	9 9.356	-0.0014	12	-50 11 25.57	-0.008	12	0.65	9.427	31	01.3	25.20	28	01.3	K0	CZ	9305	P -49 4035	
46	9.2	8.3W	9 9.961	-0.0006	08	-52 23 35.82	0.024	08	0.19	9.968	15	38.3	36.10	18	38.3	G5	C9	4242	P -51 3940	
47	9.4	8.7W	9 15.180	0.0005	06	-59 32 1.94	-0.003	06	0.14	15.178	14	46.4	1.93	14	46.4	G5	CO	3339	P -59 3144	
48	8.5	8.5W	9 16.971	0.0003	06	-59 4 28.26	-0.006	06	0.14	16.970	14	46.4	28.23	14	46.4	B	CO	3340	P -58 3253	
49	9.4	8.1W	9 29.385	-0.0040	07	-59 26 43.77	-0.037	07	0.14	29.399	14	46.4	43.64	14	46.4	K2	CO	3341	P -59 3160	
50	7.8	8.2W	9 32.085	-0.0012	06	-59 7 9.74	-0.003	06	0.14	32.090	14	46.4	9.74	14	46.4	A0	CO	3343	P -58 3261	
51	9.9	8.7W	11 9 40.321	-0.0066	14	-52 55 28.80	-0.043	14	0.23	40.398	15	38.3	28.30	18	38.3	K0	C9	4243	P -52 4319	
52	9.9E	9.0Z	9 44.346	-0.0043	12	-51 9 48.90	0.005	12	0.72	44.549	45	02.9	49.15	45	02.9	G0	CZ	9310	P -50 4045	
53	9.1	9.3W	9 50.452	0.0004	06	-52 13 55.87	0.011	06	0.18	50.448	15	38.3	56.00	18	38.3	A0	C9	4244	P -51 3952	
54	8.4	8.8W	9 52.258	-0.0017	07	-56 53 37.74	-0.003	07	0.14	52.264	14	46.4	37.73	14	46.4	B9	CO	3344	P -56 4292	
55		6.4T	9 53.211	-0.0039	12	-58 9 5.05	-0.016	09	0.50	53.400	18	06.2	4.28	17	01.6	MB	GC	15402	P -57 4405	
56	9.1	9.4W	9 56.600	0.0001	11	-58 31 54.97	0.019	11	0.15	56.600	14	46.4	55.03	14	46.4	B2	CO	3346	P -58 3268	
57	10.1	9.1W	9 57.223	0.0013	08	-52 23 22.21	-0.044	08	0.19	57.208	15	38.3	21.70	18	38.3	K2	C9	4245	P -51 3957	
58	9.0E	8.2Z	10 4.164	-0.0026	12	-51 16 2.83	0.009	12	0.82	4.287	63	03.4	3.27	57	03.4	K0	CZ	9316	P -50 4046	
59	8.8	9.1W	10 8.395	-0.0013	06	-58 41 1.76	-0.008	06	0.14	8.400	14	46.4	1.73	14	46.4	B9	CO	3347	P -58 3279	
60	8.4E	8.5*	10 14.589	-0.0034	12	-51 27 13.32	-0.002	12	0.66	14.756	31	01.3	13.24	31	01.3	A0	CZ	9318	P -51 3967	
61	8.9	9.3W	10 19.069	-0.0017	07	-56 14 44.27	0.014	07	0.14	19.075	14	46.4	44.32	14	46.4	B9	CO	3348	P -55 4209	
62	8.2	8.4W	10 25.638	-0.0011	07	-58 22 18.42	0.003	07	0.14	25.642	14	46.4	18.43	14	46.4	B5	CO	3349	P -57 4420	
63	7.7	8.2W	10 31.843	-0.0002	07	-56 39 48.38	-0.012	07	0.14	31.844	14	46.4	48.33	14	46.4	A0	CO	3351	P -56 4304	
64		7.3W	10 34.418	-0.0004	06	-59 24 19.08	-0.012	06	0.14	34.419	14	46.4	19.04	14	46.4	B5	CO	3352	P -59 3193	
65	10.8E	9.5*	10 40.348	-0.0081	12	-50 32 40.92	-0.020	12	0.65	40.741	31	01.7	39.96	28	01.7	F8	CZ	9324	P -50 4052	
66	10.1	9.4W	10 41.318	0.0043	07	-52 41 4.30	-0.034	07	0.18	41.268	15	38.3	3.90	18	38.3	K0	C9	4247	P -52 4337	
67	8.5	8.9W	10 48.581	-0.0007	07	-56 45 46.39	-0.016	07	0.14	48.584	14	46.4	46.34	14	46.4	B8	CO	3353	P -56 4307	
68	8.5	8.8W	10 53.193	-0.0019	06	-58 37 42.18	-0.014	06	0.14	53.200	14	46.4	42.13	14	46.4	B5	CO	3354	P -58 3299	
69	10.5	9.4W	10 53.720	0.0002	14	-52 0 53.66	0.003	14	0.23	53.718	15	38.3	53.70	18	38.3	K0	C9	4248	P -51 3978	
70	9.0	7.3W	10 53.803	0.0022	07	-56 8 15.43	-0.003	07	0.14	53.795	14	46.4	15.42	14	46.4	K2	CO	3355	P -55 4216	
71	8.6	7.8W	10 55.281	-0.0040	07	-52 33 15.25	0.004	07	0.18	55.328	15	38.3	15.30	18	38.3	K0	C9	4250	P -52 4340	
72	8.2	8.6W	11 12.918	-0.0011	07	-58 19 50.64	-0.002	07	0.14	12.922	14	46.4	50.63	14	46.4	A0	CO	3356	P -57 4439	
73	8.6	9.0W	11 15.242	-0.0027	07	-55 9 32.25	-0.021	07	0.18	15.273	15	38.3	32.01	18	38.3	B8	C9	4251	P -54 4397	
74		7.5T	11 18.495	-0.0001	17	-56 46 44.80	-0.000	12	0.73	18.498	22	04.8	44.78	19	00.4	A0	GC	15433	P -56 4317	
75	10.5	9.5W	11 19.281	-0.0006	14	-52 14 34.81	-0.018	14	0.23	19.288	15	38.3	34.60	18	38.3	K0	C9	4252	P -51 3987	
76	8.3	8.6W	11 19.918	-0.0007	06	-58 38 19.26	-0.009	06	0.14	19.920	14	46.4	19.23	14	46.4	A0	CO	3358	P -58 3314	
77		6.0T	11 20.500	-0.0008	11	-59 20 48.65	-0.009	06	0.44	20.542	17	06.1	48.18	14	98.9	B3	GC	15435	P*-58 3315	
78		5.9T	11 23.996	-0.0028	09	-52 57 35.12	0.035	06	0.34	24.103	14	11.5	36.66	12	05.9	K2	GC	15436	P -52 4350	
79	8.3	8.7W	11 28.594	0.0000	07	-55 14 37.51	0.000	07	0.18	28.593	15	38.3	37.51	18	38.3	B9	C9	4254	P -54 4400	
80		8.1T	11 32.133	-0.0003	15	-51 31 44.27	0.011	12	0.70	32.145	22	02.1	44.86	21	97.7	K0	GC	15439	C -51 5472	
81	8.0	8.2W	11 32.921	-0.0028	09	-55 14 16.32	0.016	09	0.20	32.953	15	38.3	16.51	18	38.3	A2	C9	4255	P*-54 4402	
82		6.9T	11 34.810	-0.0013	13	-52 34 57.36	-0.067	10	0.55	34.864	18	07.4	54.06	18	00.7	A2	GC	15440	P*-52 4355	
83	9.0E	9.0Z	11 46.224	-0.0030	12	-51 1 44.28	0.004	12	0.72	46.366	45	02.9	44.48	45	02.9	F2	CZ	9341	P -50 4068	
84			11 48.017	-0.0016	07	-57 38 18.09	-0.016	07	0.14	48.023	14	46.4	18.03	14	46.4	F8	CO	3360V	P*-57 4454	
85	9.3	8.3W	11 49.296	0.0003	07	-56 21 36.25	-0.008	07	0.14	49.295	14	46.4	36.22	14	46.4	K0	CO	3361	P -55 4225	
86	8.5	8.2W	12 2.705	0.0100	06	-54 53 0.38	-0.057	06	0.18	2.588	15	38.3	59.71	18	38.3	G0	C9	4257	P -54 4408	
87	7.6	7.9W	12 6.402	0.0017	07	-55 46 29.83	0.006	07	0.18	6.382	15	38.3	29.91	18	38.3	B8	C9	4258	P -55 4230	
88		9.2T	12 6.881	-0.0037	15	-58 57 36.58	-0.017	12	0.61	7.049	19	08.6	35.80	18	04.7	F5	GC	15453	P -58 3340	
89	7.4	7.9W	12 12.224	0.0003	07	-57 31 42.55	-0.004	07	0.14	12.223	14	46.4	42.53	14	46.4	A0	CO	3363	P -57 4465	
90	9.4	8.5W	12 12.413	-0.0025	06	-58 0 33.11	0.008	06	0.14	12.422	14	46.4	33.13	14	46.4	K0	CO	3364	P -57 4467	
91	8.6	8.9W	12 17.052	-0.0022	06	-58 35 18.66	-0.008	06	0.14	17.060	14	46.4	18.64	14	46.4	A0	CO	3365	P -58 3346	
92	7.8	8.2W	12 18.856	-0.0006	07	-55 27 54.72	-0.010	07	0.18	18.863	15	38.3	54.61	18	38.3	B8	C9	4259	P -55 4232	
93	8.5	8.8W	12 20.592	0.0005	06	-58 45 6.94	-0.002	06	0.14	20.590	14	46.4	6.93	14	46.4	B0	CO	3366	P -58 3351	
94	8.5	8.7W	12 20.922	-0.0039	07	-54 10 26.52	0.025	07	0.18	20.968	15	38.3	26.80	18	38.3	A0	C9	4260	P -53 4420	
95	8.8	8.4W	12 24.617	-0.0026	07	-53 15 27.85	0.013	07	0.18	24.648	15	38.3	28.00	18	38.3	G0	C9	4261	P -52 4376	
96		9.1T	12 25.233	-0.0028	18	-59 6 18.80	-0.039	14	0.74	25.362	21	07.3	17.03	19	04.6	F0	GC	15458	P -58 3355	
97	8.6	9.0W	12 30.371	-0.0025	07	-58 33 52.91	-0.021	07	0.14	30.380	14	46.4	52.83	14	46.4	B8	CO	3368	P -58 3357	
98	9.3	9.6W	12 31.062	-0.0033	07	-56 55 12.57	0.018	07	0.14	31.074	14	46.4	12.63	14	46.4	B9	CO	3369	P -56 4337	
99	9.7	9.2W	12 40.745	-0.0045	14	-52 4 53.29	-0.008	14	0.23	40.798	15	38.3	53.20	18	38.3	G5	C9	4262	P -51 4006	
00		9.2T	12 43.195	-0.0017	14	-58 54 7.65	-0.013	10	0.56	43.272	19	07.2	7.06	18	05.2	B0	GC	15466	P -58 3366	

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EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.3E	8.5Z	11 12 52.602	-0.0047	12	-51 3 57.22	0.018	12	0.65	52.830	31	01.7	58.11	28	01.7	A5	KZ	9357	P -50 4084
2		7.7T	12 54.241	-0.0025	14	-57 59 11.21	-0.011	11	0.61	54.356	19	05.6	10.70	18	03.7	A0	GC	15472	P -57 4486
3	8.6	8.9W	12 55.905	-0.0008	06	-59 50 55.66	-0.006	06	0.14	55.909	14	46.3	55.63	14	46.3	A0	CO	3125	P -59 3254
4	9.9		12 57.359	0.0001	14	-52 15 4.68	0.010	14	0.23	57.358	15	38.3	4.80	18	38.3	A0	C9	4263	P -51 4014
5		9.3T	13 0.248	-0.0064	17	-59 8 35.78	0.005	13	0.67	0.535	19	08.9	36.00	19	05.4	B0	GC	15475	P -58 3372
6	7.4	7.8W	13 3.854	-0.0011	06	-59 53 30.21	-0.022	06	0.14	3.858	14	46.4	30.13	14	46.4	B3	CO	3374	P -59 3259
7		8.3T	13 3.875	-0.0054	13	-57 54 30.53	-0.011	10	0.57	4.127	19	06.7	30.02	18	03.0	G5	GC	15477	P -57 4488
8	9.2	8.7W	13 9.037	0.0145	06	-52 32 23.83	-0.026	06	0.18	8.868	15	38.3	23.50	18	38.3	G5	C9	4264	P -52 4387
9	8.9	9.2W	13 15.029	-0.0016	07	-54 27 38.81	-0.000	07	0.18	15.048	15	38.3	38.80	18	38.3	B9	C9	4265	P -54 4417
10	8.5	9.0W	13 16.636	-0.0024	06	-56 23 18.65	-0.007	06	0.14	16.645	14	46.4	18.62	14	46.4	B9	CO	3376	P -55 4249
11	9.9E	9.0Z	13 19.908	-0.0004	12	-50 1 47.93	-0.025	12	0.65	19.925	31	01.3	46.72	28	01.3		KZ	9365	P -49 4096
12	8.7	8.0W	13 22.844	-0.0027	07	-57 22 39.75	-0.005	07	0.14	22.853	14	46.4	39.74	14	46.4	K0	CO	3377	P -56 4351
13	9.2	9.8W	13 24.655	-0.0067	15	-55 8 59.60	0.026	15	0.24	24.733	15	38.3	59.91	18	38.3	B9	C9	4266	P -54 4418
14		6.6T	13 29.558	-0.0016	14	-57 4 57.65	-0.010	10	0.63	29.642	21	02.9	57.10	19	96.3	A2	GC	15494	P -56 4352
15		7.9T	13 30.795	-0.0018	15	-57 43 1.77	0.019	12	0.65	30.876	19	05.8	2.64	19	04.1	K2	GC	15495	P -57 4498
16	8.2	8.0W	13 35.924	-0.0155	05	-58 36 54.20	0.037	05	0.14	35.980	14	46.4	54.33	14	46.4	F2	CO	3380	P -58 3388
17	9.7E	9.0Z	13 37.696	-0.0041	12	-51 42 53.17	-0.013	12	0.82	37.887	63	03.4	52.58	57	03.4	K0	CZ	9370	P -51 4024
18	7.7	8.0W	13 38.631	-0.0027	07	-55 44 21.81	-0.017	07	0.18	38.662	15	38.3	21.61	18	38.3	A0	C9	4267	P -55 4251
19		7.5T	13 44.462	-0.0028	13	-54 56 8.06	-0.002	11	0.61	44.594	19	02.2	7.96	18	98.4	A5	GC	15501	P -54 4419
20	9.5E	9.8Z	13 46.981	-0.0032	12	-51 43 5.08	-0.008	12	0.82	47.130	63	03.4	4.72	57	03.4	A2	CZ	9373	P -51 4031
21		7.9T	13 52.505	-0.0019	13	-54 40 43.22	-0.026	11	0.62	52.591	21	03.7	41.91	19	99.6	K0	GC	15505	P -54 4422
22	9.2	9.5W	13 57.810	-0.0015	07	-52 35 9.34	0.022	07	0.18	57.828	15	38.3	9.60	18	38.3	A2	C9	4270	P -52 4399
23	10.0		14 19.664	-0.0012	11	-52 2 5.76	0.003	11	0.21	19.678	15	38.3	5.80	18	38.3	A3	C9	4271	P -51 4040
24	8.3	7.6W	14 20.501	-0.0045	07	-55 16 56.25	0.005	07	0.18	20.553	15	38.3	56.31	18	38.3	G5	C9	4272	P -54 4427
25		8.9T	14 25.505	-0.0131	20	-51 36 39.88	0.024	18	0.90	26.108	21	03.8	41.02	19	03.1	F2	GC	15513	C -51 5527
26	8.0E	7.9H	14 32.013	-0.0060	12	-50 39 12.17	0.017	12	0.65	32.304	31	01.7	13.00	28	01.7	F2	CZ	9379	P -50 4099
27	9.4	9.7W	14 34.120	-0.0041	11	-53 13 45.42	0.024	11	0.21	34.168	15	38.3	45.70	18	38.3	A0	C9	4273	P -52 4405
28	9.8E	9.5Z	14 36.156	-0.0002	12	-50 9 23.56	-0.011	12	0.71	36.163	45	03.3	23.05	45	03.3	A3	CZ	9382	P -49 4117
29	9.3E	9.0Z	14 41.313	-0.0049	12	-50 49 45.13	0.010	12	0.72	41.544	45	02.9	45.62	45	02.9	F2	CZ	9384	P -50 4104
30		7.0T	14 44.078	0.0072	15	-54 30 10.88	-0.075	12	0.69	43.733	22	02.4	7.14	22	00.1	F2	GC	15521	P -54 4434
31	8.5	8.3W	14 47.788	-0.0026	09	-52 23 2.03	-0.011	09	0.20	47.818	15	38.3	1.90	18	38.3	F8	C9	4275	P -51 4052
32	7.0	7.4W	14 47.839	-0.0038	07	-55 20 57.33	-0.002	07	0.18	47.883	15	38.3	57.31	18	38.3	A0	C9	4276	P -54 4436
33	8.9	7.9W	14 56.517	0.0051	07	-52 49 58.92	0.007	07	0.18	56.458	15	38.3	59.00	18	38.3	K0	C9	4277	P -52 4408
34	8.4E	9.0Z	14 58.872	0.0022	12	-51 8 0.43	-0.014	12	0.65	58.767	31	01.7	59.78	28	01.7	A0	CZ	9390	P -50 4106
35	8.9	9.2W	14 59.619	0.0025	06	-59 9 1.06	-0.008	06	0.14	59.610	14	46.4	1.04	14	46.4	B9	CO	3381	P -58 3417
36		7.2T	15 2.833	-0.0065	13	-59 29 46.99	-0.008	10	0.59	3.166	21	04.5	46.58	18	99.1	A3	GC	15527	P -59 3301
37	9.8E	9.5Z	15 11.780	-0.0034	12	-51 47 53.32	0.001	12	0.82	11.939	63	03.4	53.37	57	03.4	F0	CZ	9394	P -51 4056
38	10.0	10.1W	15 12.697	-0.0052	14	-52 55 16.39	0.001	14	0.23	12.758	15	38.3	16.40	18	38.3	A0	C9	4278	P -52 4414
39		7.0T	15 15.177	-0.0006	12	-58 49 55.30	-0.003	10	0.53	15.206	18	06.5	55.16	17	04.0	A0	GC	15531K	P*-58 3424
40	10.5	9.7W	15 15.438	-0.0008	14	-52 9 41.01	-0.001	14	0.23	15.448	15	38.3	41.00	18	38.3	G5	C9	4279	P -51 4058
41	9.4	9.5W	15 18.802	-0.0065	15	-53 12 45.12	-0.019	15	0.24	18.878	15	38.3	44.90	18	38.3	A2	C9	4280	P -52 4417
42	9.0	8.8W	15 19.409	-0.0076	07	-52 31 45.52	-0.062	07	0.18	19.498	15	38.3	44.80	18	38.3	F5	C9	4281	P -52 4418
43	10.0	10.1W	15 24.369	-0.0016	15	-53 17 0.11	-0.016	15	0.24	24.388	15	38.3	0.30	18	38.3	A2	C9	4282	P -52 4419
44	9.2	9.7W	15 29.341	-0.0032	07	-57 43 5.73	0.001	07	0.14	29.352	14	46.4	5.73	14	46.4	B5	CO	3384	P -57 4536
45	10.0E	9.5Z	15 31.322	-0.0037	12	-51 40 10.01	-0.004	12	0.82	31.493	63	03.4	9.84	57	03.4	K0	CZ	9399	P -51 4062
46		7.5T	15 34.970	-0.0072	10	-58 56 3.81	-0.002	09	0.49	35.314	19	04.1	3.71	18	02.5	B9	GC	15539	P -58 3431
47	8.8	8.9W	15 34.991	-0.0024	07	-58 50 54.16	-0.007	07	0.14	35.000	14	46.4	54.13	14	46.4	A2	CO	3385	P -58 3429
48		7.4T	15 40.983	-0.0048	10	-58 57 46.89	-0.003	09	0.48	41.211	19	05.0	46.74	18	02.8	A0	GC	15542	P -58 3433
49	9.1E	9.5H	15 46.539	-0.0022	12	-50 22 1.86	-0.019	12	0.72	46.645	45	02.9	0.98	45	02.9	A0	CZ	9402	P -49 4133
50	9.9E	10.0H	15 50.560	-0.0020	12	-50 26 53.64	-0.011	12	0.72	50.653	45	02.9	53.13	45	02.9	A3	CZ	9403	P -50 4118
51	9.1	9.0W	11 15 53.282	-0.0050	11	-58 36 52.58	-0.040	11	0.15	53.300	14	46.4	52.43	14	46.4	F0	CO	3388	P -58 3436
52	8.0	8.3W	16 14.157	-0.0009	07	-53 26 24.12	-0.002	07	0.18	14.168	15	38.3	24.10	18	38.3	A2	C9	4283	P -53 4460
53		7.5W	16 19.163	-0.0015	06	-59 58 12.98	-0.012	06	0.14	19.168	14	46.4	12.93	14	46.4	B9	CO	3389	P -59 3334
54	9.1	9.4W	16 24.575	-0.0028	07	-53 46 6.04	0.006	07	0.18	24.608	15	38.3	6.10	18	38.3	A0	C9	4284	P -53 4461
55	8.9	9.1W	16 25.570	-0.0032	13	-58 17 5.24	0.026	13	0.15	25.582	14	46.4	5.33	14	46.4	A2	CO	3390	P -57 4554
56		7.0T	16 29.929	-0.0060	12	-57 54 46.40	-0.007	09	0.51	30.224	18	05.4	46.06	17	00.7	MB	GC	15559	P -57 4555
57	9.5E	9.5Z	16 34.037	-0.0021	12	-50 47 43.14	-0.009	12	0.72	34.137	45	02.9	42.74	45	02.9	A2	CZ	9406	P -50 4130
58	8.6	8.8W	16 43.400	-0.0027	06	-58 45 3.48	-0.012	06	0.14	43.410	14	46.4	3.43	14	46.4	A0	CO	3392	P -58 3452
59	9.3	7.7W	16 48.105	-0.0016	07	-55 22 52.53	0.024	07	0.18	48.123	15	38.3	52.81	18	38.3	K2	C9	4285	P -54 4461
60	7.9	8.4W	16 51.368	0.0007	07	-56 18 45.06	-0.010	07	0.14	51.365	14	46.4	45.02	14	46.4	B5	CO	3393	P -55 4285
61	8.6	8.5W	17 8.263	-0.0058	07	-56 41 50.33	-0.026	07	0.14	8.284	14	46.4	50.24	14	46.4	F5	CO	3394	P -56 4406
62	10.3	8.8W	17 13.714	-0.0012	07	-52 28 24.01	-0.018	07	0.18	13.728	15	38.3	23.80	18	38.3	K0	C9	4286	P -52 4457
63	8.2	8.5W	17 18.221	0.0004	07	-58 33 40.22	-0.025	07	0.14	18.220	14	46.4	40.13	14	46.4	B8	CO	3395	P -58 3464
64	8.4	7.3W	17 23.985	-0.0028	07	-52 13 5.24	0.005	07	0.18	24.018	15	38.3	5.30	18	38.3	K0	C9	4287	P -51 4090
65	9.3	8.1W	17 24.824	0.0005	06	-54 28 9.16	0.004	06	0.18	24.818	15	38.3	9.20	18	38.3	K2	C9	4288	P -54 4467
66	8.4	8.9W	17 29.531	-0.0014	07	-54 4 3.99	0.002	07	0.18	29.548	15	38.3	4.01	18	38.3	B3	C9	4289	P -53 4478
67	7.6	7.9W	17 32.218	-0.0008	07	-53 12 8.35	-0.005	07	0.18	32.228	15	38.3	8.30	18	38.3	A2	C9	4290	P*-52 4466
68	10.0E	8.8Z	17 35.490	-0.0031	12	-50 35 18.94	0.018	12	0.72	35.637	45	02.9	19.80	45	02.9	K0	CZ	9420	P -50 4144
69	8.9E	9.2H	17 36.220	-0.0068	12	-50 33 0.19	0.020	12	0.72	38.494	45	02.9	1.14	45	02.9	F5	CZ	9422	P -50 4146
70	8.9	9.1W	17 39.514	0.0004	10	-58 28 20.34	0.025	10	0.14	39.512	14	46.4	20.43	14	46.4	A3	CO	3396	P -58 3471
71		7.7T	17 40.471	-0.0004	15	-57 52 50.72	-0.012	10	0.60	40.489	19	07.5	50.15	18	02.6	B8	GC	15581	P -57 4583
72	10.0E	9.6Z	17 43.473	-0.0034	12	-51 50 55.67	0.003	12	0.82	43.632	63	03.4	55.81	57	03.4	A0	CZ	9423	P -51 4094
73	8.7	8.9W	17 45.374	0.0016	06	-59 59 52.72	0.005	06	0.14	45.368	14	46.3	52.73	14	46.3	A0	CO	3146	P -59 3359
74	9.6E	9.4Z	17 45.391	-0.0043	12	-51 13 35.34	-0.009	12	0.72	45.595	45	02.9	34.93	45	02.9	A2	CZ	9425	P -50 4148
75		7.5T	17 46.924	-0.0019	13	-58 54 50.38	-0.001	09	0.56	47.020	19	05.8	50.33	18	00.4	A0	GC	15583	P -58 3475
76	8.3	8.5W	17 48.822	0.0007	07	-59 17 46.63	0.000	07	0.14	48.820	14	46.4	46.63	14	46.4	B0	CO	3400	P -58 3477
77	9.1	9.3W	17 56.489	-0.0016	07	-56 8 50.34	-0.005	07	0.14	56.495	14	46.4	50.32	14	46.4	A0	CO	3401	P*-55 4293
78	8.7	7.6W	17 59.770	-0.0015	07	-53 22 4.61	-0.016	07	0.18	59.788	15	38.3	4.80	18	38.3	K0	C9	4291	P -52 4473
79	9.0	7.7W	18 10.275	-0.0053	06	-56 40 45.44	-0.003	06	0.14	10.294	14	46.4	45.43	14	46.4	K2	CO	7102	P -56 4416
80	10.5	9.2W	18 21.009	0.0044	09	-52 22 49.88	0.001	09	0.20	20.958	15	38.3	49.90	18	38.3	K0	C9	4292	P -51 4106
81	8.6	7.5W	18 27.740	0.0079	06	-58 2 29.56	-0.091	06	0.14	27.712	14	46.4	29.24	14	46.4	K0	CO	3403	P -57 4601
82	8.9	9.2W	18 34.096	0.0007	15	-54 39 42.77	0.021	15	0.24	34.088	15	38.3	43.01	18	38.3	B8	C9	4293	P -54 4482
83	10.1	9.0W	18 34.716	-0.0061	07	-51 57 2.53	-0.046	07	0.18	34.788	15	38.3	2.00	18	38.3	K2	C9	4294	P -51 4114
84	8.2	8.1W	18 37.335	-0.0048	07	-58 12 43.59	-0.015	07	0.14	37.352	14	46.4	43.53	14	46.4	F2	CO	3404	P -57 4608
85	7.9	7.1W	18 42.323	-0.0387	12	-58 25 46.79	0.068	12	0.15	42.462	14	46.4	47.03	14	46.4	K0	CO	3405	P -58 3496
86		4.3H	18 43.151	-0.0035	02	-54 13 0.27	-0.006	02	0.10	43.274	06	14.4	0.05	05	15.3	B5	F4	428	P -53 4498
87	7.8	8.0W	18 43.819	0.0002	06	-59 53 14.20	-0.019	06	0.14	43.818	14	46.4	14.13	14	46.4	B0	CO	3406	P -59 3376
88	10.8E	9.7*	18 45.393	-0.0032	12	-51 45 6.81	-0.014	12	0.66	45.549	31	01.3	6.15	31	01.3		CZ	9437	P -51 4120
89	9.2E	9.0Z	19 2.425	-0.0006	12	-50 54 46.58	-0.011	12	0.65	2.455	31	01.7	46.07	28	01.7	A2	CZ	9438	P -50 4165
90	8.9	9.3W	19 4.080	-0.0035	07	-57 53 59.47	-0.009	07	0.14	4.092	14	46.4	59.44	14	46.4	B9	CO	3407	P -57 4612
91	9.1	8.2W	19 10.280	0.0000	06	-58 58 44.30	0.009	06	0.14	10.280	14	46.4	44.33	14	46.4	K0	CO	3408	P -58 3510
92	9.3E	9.5Z	19 10.874	-0.0022	12	-50 14 35.87	-0.008	12	0.65	10.977	31	02.0	35.49	28	02.0	A0	CZ	9441	P -49 4184
93	9.0	9.5W	19 19.586	-0.0009	06	-59 3 24.13	0.002	06	0.14	19.590	14	46.4	24.13	14	46.4	B9	CO	3409	P -58 3512
94	8.7	8.6W	19 22.730	-0.0024	07	-54 5 44.80	-0.009	07	0.18	22.758	15	38.3	44.90	18	38.3	F0	C9	4296	P -53 4501
95	8.9	9.1W	19 24.891	-0.0036	07	-57 7 31.01	-0.022	07	0.14	24.904	14	46.4	30.93	14	46.4	A2	CO	3410	P -56 4430
96	9.5	9.8W	19 28.402	0.0012	07	-52 39 37.20	0.017	07	0.18	28.388	15	38.3	37.40	18	38.3	A0	C9	4297	P -52 4495
97	8.9	9.2W	19 30.001	-0.0029	07	-58 20 17.16	0.021	07	0.14	30.012	14	46.4	17.24	14	46.4	B8	CO	3411	P -57 4623
98	8.8	8.9W	19 37.003	0.0014	14	-59 43 1.09	0.013	14	0.15	36.998	14	46.4	1.13	14	46.4	B	CO	3412	P*-59 3389
99	9.0	9.2W	19 41.843	0.0030	14	-53 40 14.35	0.048	14	0.23	41.808	15	38.3	14.90	18	38.3	A0	C9	4298	P -53 4507
00	9.3	9.4W	19 53.157	-0.0035	07	-53 4 54.42	0.015	07	0.18	53.198	15	38.3	54.60	18	38.3	B9	C9	4299	P -52 4503

239000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER
1	9.3E	9.0Z	11 19 54.047	-0.0042	12	-50 59 42.02	-0.002	12	0.72	54.245	45	02.9	41.94	45	02.9	A3	CZ	9454
2		7.4T	19 58.171	-0.0025	13	-56 19 42.99	0.014	11	0.64	58.301	21	01.8	43.71	19	97.2	K2	GC	15621
3		6.9T	20 0.040	0.0024	09	-58 6 40.46	-0.066	07	0.44	59.906	18	01.1	36.79	15	94.4	K0	GC	15623
4	9.4	9.8W	20 5.772	0.0007	07	-59 20 13.48	-0.041	07	0.14	5.770	14	46.4	13.33	14	46.4	A	CO	3415
5	10.3	10.1W	20 6.652	-0.0065	14	-52 15 39.40	-0.009	14	0.23	6.728	15	38.3	39.30	18	38.3	F2	C9	4300
6	9.7E	9.2Z	20 7.768	-0.0038	12	-50 0 48.37	-0.031	12	0.71	7.948	45	03.3	46.93	45	03.3	F5	CZ	9462
7		7.0T	20 13.049	0.0011	12	-53 5 43.92	-0.015	12	0.62	12.995	18	02.6	43.17	19	99.6	B9	GC	15626
8		8.2T	20 15.107	-0.0027	15	-56 30 23.17	-0.015	12	0.68	15.241	21	03.9	22.39	19	99.4	K0	GC	15627
9	8.5	8.8W	20 20.815	-0.0014	06	-58 40 44.99	-0.015	06	0.14	20.820	14	46.4	44.93	14	46.4	B2	CO	3417
10		7.3T	20 32.071	-0.0075	11	-58 2 26.20	0.000	10	0.53	32.453	19	01.4	26.20	18	98.9	A2	GC	15634
11	8.0	8.1W	20 32.189	-0.0001	06	-58 43 2.87	-0.010	06	0.14	32.190	14	46.4	2.84	14	46.4	A0	CO	3419
12		6.7T	20 34.647	-0.0029	09	-50 30 43.30	0.005	09	0.42	34.773	14	06.4	43.51	15	06.2	K0	GC	15635
13	7.3	7.9W	20 35.712	-0.0003	13	-57 21 44.96	-0.008	13	0.15	35.713	14	46.4	44.93	14	46.4	B9	CO	3420
14	8.2	8.5W	20 41.180	-0.0026	07	-59 2 16.83	0.001	07	0.14	41.190	14	46.4	16.83	14	46.4	A0	CO	3421
15	9.3	9.0W	20 49.275	-0.0139	07	-52 49 53.29	0.035	07	0.18	49.438	15	38.3	53.70	18	38.3	F8	C9	4302
16	9.9E	9.0Z	20 50.434	-0.0046	12	-50 55 39.15	0.017	12	0.71	50.650	45	03.3	39.96	45	03.3	F5	CZ	9469
17		6.0T	20 51.297	-0.0049	07	-56 30 17.47	-0.004	05	0.27	51.513	09	10.6	17.28	09	05.4	A0	GC	15643
18	9.1	8.9W	20 53.672	-0.0022	06	-59 17 12.86	-0.008	06	0.14	53.680	14	46.4	12.83	14	46.4	A0	CO	3423
19	11.2		20 57.215	-0.0011	14	-52 6 6.96	-0.005	14	0.23	57.228	15	38.3	6.90	18	38.3	A0	C9	4303
20		7.1T	21 1.970	-0.0013	14	-58 30 46.81	0.015	10	0.57	2.031	18	07.1	47.50	17	03.8	K0	GC	15647
21	9.4	9.2W	21 9.966	-0.0027	07	-53 36 59.95	0.005	07	0.18	9.998	15	38.3	+ 0.00	18	38.3	F0	C9	4304
22	9.2	9.6W	21 15.343	-0.0004	15	-54 34 15.64	0.015	15	0.24	15.348	15	38.3	15.81	18	38.3	B9	C9	4305
23	8.9E	8.5Z	21 15.683	-0.0040	12	-50 6 34.13	-0.003	12	0.71	15.865	45	03.7	34.00	45	03.7	K0	CZ	9472
24	8.8	9.1W	21 16.126	-0.0027	07	-52 54 42.94	0.005	07	0.18	16.158	15	38.3	43.00	18	38.3	B9	C9	4306
25	7.8	8.2W	21 16.543	-0.0020	06	-58 48 20.64	-0.001	06	0.14	16.550	14	46.4	20.64	14	46.4	A0	CO	3425
26	9.0	9.3W	21 21.826	-0.0027	07	-52 55 30.73	-0.020	07	0.18	21.858	15	38.3	30.50	18	38.3	A0	C9	4307
27		7.4T	21 22.425	-0.0028	11	-57 59 28.44	0.010	10	0.54	22.558	19	04.5	28.92	18	02.3	K0	GC	15654
28	9.9E	9.7Z	21 23.264	-0.0017	12	-50 17 51.46	-0.006	12	0.71	23.346	45	03.3	51.19	45	03.3	A2	CZ	9477
29	8.9	8.4W	21 31.553	0.0271	06	-56 25 5.44	-0.146	06	0.14	31.455	14	46.4	4.92	14	46.4	G5	CO	3427
30	8.5	8.3W	21 31.806	-0.0027	07	-52 34 2.46	-0.005	07	0.18	31.838	15	38.3	2.40	18	38.3	F5	C9	4308
31	9.1	9.5W	21 36.766	-0.0010	07	-59 13 2.60	0.010	07	0.14	36.770	14	46.4	2.63	14	46.4	A0	CO	3428
32	8.1	8.2W	21 37.427	-0.0009	07	-59 1 47.93	0.000	07	0.14	37.430	14	46.4	47.93	14	46.4	B3	CO	3429
33	8.0	6.5W	21 39.870	0.0023	06	-57 36 19.29	-0.016	06	0.14	39.862	14	46.4	19.24	14	46.4	K5	CO	3430
34	8.9	8.2W	21 41.374	-0.0026	06	-57 22 59.18	0.014	06	0.14	41.383	14	46.4	59.23	14	46.4	G5	CO	3431
35	10.9		21 44.193	-0.0021	14	-51 58 32.24	-0.004	14	0.23	44.218	15	38.3	32.20	18	38.3	A0	C9	4309
36	9.5		21 45.948	-0.0007	07	-58 38 35.87	-0.010	07	0.14	45.950	14	46.4	35.83	14	46.4	A0	CO	3432
37	10.2E	9.5*	21 48.772	-0.0020	12	-51 4 15.16	-0.012	12	0.65	48.869	31	01.9	14.60	28	01.9		CZ	9481
38	9.1	8.3W	21 50.283	-0.0003	07	-56 47 26.39	-0.016	07	0.14	50.284	14	46.4	26.33	14	46.4	G5	CO	3433
39	9.7E	9.5Z	21 54.000	0.0004	12	-50 54 21.61	-0.027	12	0.71	53.981	45	03.3	20.36	45	03.3	F0	CZ	9484
40	8.5	8.9W	22 5.578	-0.0004	06	-59 0 40.12	0.005	06	0.14	5.580	14	46.4	40.13	14	46.4	B9	CO	3434
41	8.4	8.7W	22 8.222	-0.0017	07	-59 31 41.16	-0.007	07	0.14	8.228	14	46.4	41.13	14	46.4	B9	CO	3435
42		7.5T	22 8.965	-0.0005	13	-57 54 22.27	0.004	09	0.56	8.989	18	05.0	22.47	17	00.7	A0	GC	15666
43	8.7	9.0W	22 9.703	-0.0002	07	-57 27 10.71	0.005	07	0.14	9.703	14	46.4	10.73	14	46.4	A0	CO	3437
44	9.5	9.4W	22 19.664	0.0005	06	-52 12 22.91	-0.027	06	0.18	19.658	15	38.3	22.60	18	38.3	F0	C9	4310
45	8.6	8.9W	22 24.891	-0.0040	07	-52 48 0.82	-0.002	07	0.18	24.938	15	38.3	0.80	18	38.3	A2	C9	4311
46	8.8E	9.0Z	22 44.323	-0.0157	12	-51 37 10.93	0.040	12	0.66	45.087	31	01.3	12.90	31	01.3	G0	CZ	9492
47	9.4	8.0W	22 44.426	0.0016	06	-52 44 49.37	-0.006	06	0.18	44.408	15	38.3	49.30	18	38.3	K0	C9	4312
48	8.6	7.7W	22 44.556	-0.0038	06	-59 22 35.86	-0.006	06	0.14	44.570	14	46.4	35.83	14	46.4	G5	CO	3438
49	8.0	8.5W	22 45.485	0.0003	06	-56 31 36.65	-0.005	06	0.14	45.484	14	46.4	36.63	14	46.4	B5	CO	3439
50	10.1	10.0W	22 59.530	0.0002	14	-52 8 34.66	-0.014	14	0.23	59.528	15	38.3	34.50	18	38.3	A3	C9	4313
51	9.5	9.1W	11 23 3.041	-0.0054	07	-58 30 21.55	-0.088	07	0.14	3.060	14	46.4	21.24	14	46.4	G5	CO	3440
52	9.8E	8.9*	23 10.649	0.0004	12	-50 2 41.06	-0.018	12	0.64	10.627	31	02.2	40.21	28	02.2	K0	CZ	9500
53	9.4E	9.5Z	23 18.952	-0.0020	12	-50 8 15.96	-0.010	12	0.71	19.043	45	03.7	15.51	45	03.7	A0	CZ	9505
54	8.8	9.2W	23 20.319	0.0006	07	-56 5 32.04	-0.029	07	0.18	20.312	15	38.3	31.71	18	38.3	A0	C9	4314
55	8.0	8.1W	23 20.812	-0.0005	07	-53 17 46.70	0.008	07	0.18	20.818	15	38.3	46.80	18	38.3	A2	C9	4315
56	9.3	9.6W	23 22.575	-0.0050	14	-55 6 37.49	0.001	14	0.23	22.633	15	38.3	37.51	18	38.3	A0	C9	4316
57	8.7	9.1W	23 24.556	-0.0005	07	-59 54 23.84	-0.003	07	0.14	24.559	14	46.3	23.84	14	46.3	B3	CO	3184
58	9.3	8.5W	23 29.795	-0.0001	07	-56 10 9.53	-0.002	07	0.14	29.795	14	46.4	9.52	14	46.4	K0	CO	3442
59	8.8	9.0W	23 30.175	-0.0019	06	-57 52 2.18	-0.012	06	0.14	30.182	14	46.4	2.14	14	46.4	B3	CO	3443
60		7.7T	23 44.839	-0.0031	12	-59 4 39.99	-0.009	09	0.51	44.981	18	05.6	39.58	17	04.8	A0	GC	15696
61	9.5	9.8W	23 55.951	-0.0006	14	-51 56 21.51	-0.010	14	0.23	55.958	15	38.3	21.40	18	38.3	A0	C9	4317
62		8.4T	23 58.243	0.0013	16	-57 39 1.83	-0.001	13	0.62	58.188	19	09.9	1.79	19	08.6	A3	GC	15701
63	9.5	9.7W	24 0.758	-0.0029	13	-59 38 21.75	-0.005	13	0.15	0.768	14	46.4	21.74	14	46.4	B9	CO	3446
64	9.9E	9.5Z	24 1.338	-0.0000	12	-51 21 52.44	0.001	12	0.82	1.340	63	03.4	52.50	57	03.4	K0	CZ	9516
65	9.0	9.2W	24 6.182	-0.0008	07	-56 21 3.84	-0.032	07	0.14	6.185	14	46.4	3.72	14	46.4	A0	CO	3447
66	8.9	7.9W	24 7.678	-0.0034	06	-59 0 24.90	-0.018	06	0.14	7.690	14	46.4	24.83	14	46.4	K0	CO	3448
67	9.6	10.0W	24 11.512	0.0000	15	-56 0 12.98	-0.006	15	0.24	11.512	15	38.3	12.91	18	38.3	A0	C9	4318
68	9.0	9.2W	24 12.709	-0.0004	07	-55 12 4.02	0.016	07	0.18	12.713	15	38.3	4.21	18	38.3	A2	C9	4319
69	9.7		24 15.615	-0.0015	07	-58 36 13.14	0.000	07	0.14	15.620	14	46.4	13.14	14	46.4	A0	CO	3449
70	9.8E	8.5Z	24 17.507	-0.0033	12	-50 53 9.79	-0.009	12	0.71	17.662	45	03.3	9.39	45	03.3	K2	CZ	9519
71	8.0	8.4W	24 20.141	0.0003	06	-59 9 42.35	-0.005	06	0.14	20.140	14	46.4	42.34	14	46.4	B0	CO	3450
72	8.6	8.9W	24 21.224	-0.0015	07	-59 22 35.31	0.006	07	0.14	21.230	14	46.4	35.33	14	46.4	B5	CO	3451
73	9.8E	9.3H	24 26.630	-0.0027	12	-50 26 4.34	-0.016	12	0.71	26.754	45	03.3	3.61	45	03.3		CZ	9522
74		5.9T	24 27.013	-0.0046	08	-52 53 5.35	0.011	07	0.29	27.179	10	13.6	5.78	10	10.8	+++	GC	15710K
75	8.8E	9.0H	24 29.222	-0.0025	12	-50 26 19.29	-0.010	12	0.71	29.337	45	03.3	18.84	45	03.3	A0	CZ	9523
76	10.6	10.2W	24 35.038	-0.0008	14	-51 59 31.67	0.002	14	0.23	35.048	15	38.3	31.70	18	38.3	G0	C9	4321
77	8.8	8.0W	24 39.783	-0.0002	13	-56 45 50.97	-0.011	13	0.15	39.784	14	46.4	50.93	14	46.4	G5	CO	3452
78	7.7	6.7W	24 42.114	-0.0032	06	-56 0 18.02	0.001	06	0.14	42.125	14	46.4	18.02	14	46.4	K2	CO	3453
79	9.4E	9.5Z	24 43.039	-0.0040	12	-51 2 57.19	-0.007	12	0.71	43.226	45	03.3	56.88	45	03.3	A5	CZ	9526
80	9.4	8.5W	24 49.109	0.0012	07	-56 20 6.83	-0.031	07	0.14	49.105	14	46.4	6.72	14	46.4	K0	CO	3454
81	9.2	9.4W	24 55.451	-0.0024	06	-58 59 5.18	-0.011	06	0.14	55.460	14	46.4	5.14	14	46.4	A0	CO	3455
82	9.4E	9.0Z	25 1.585	-0.0036	12	-50 50 0.76	-0.006	12	0.71	1.754	45	03.3	0.50	45	03.3	G0	CZ	9528
83	8.8	8.9W	25 4.652	-0.0017	09	-59 39 12.55	-0.004	09	0.14	4.658	14	46.4	12.53	14	46.4	B8	CO	3456
84	10.7	9.7W	25 10.260	-0.0007	14	-53 17 33.56	0.055	14	0.23	10.268	15	38.3	34.20	18	38.3	K0	C9	4323
85	9.0	8.7W	25 17.013	-0.0179	07	-55 37 44.23	0.015	07	0.18	17.222	15	38.3	44.41	18	38.3	F5	C9	4324
86	9.9	10.2W	25 19.674	-0.0020	12	-53 0 12.26	-0.005	12	0.22	19.698	15	38.3	12.20	18	38.3	A0	C9	4325
87	9.6E	9.4Z	25 20.284	-0.0009	12	-50 33 27.01	0.000	12	0.71	20.327	45	03.3	27.02	45	03.3		CZ	9531
88	10.1	9.8W	25 21.993	-0.0021	14	-52 33 36.16	-0.005	14	0.23	22.018	15	38.3	36.10	18	38.3	F5	C9	4326
89	9.7	9.0W	25 26.032	0.0004	09	-52 13 11.77	0.002	09	0.20	26.028	15	38.3	11.80	18	38.3	G5	C9	4327
90	8.8	8.6W	25 30.095	-0.0090	09	-59 58 6.03	0.028	09	0.14	30.128	14	46.3	6.14	14	46.3	F5	CO	3197
91		7.9T	25 33.252	-0.0025	13	-58 24 17.82	0.001	12	0.59	33.366	18	06.8	17.87	17	03.9	B9	GC	15736
92	8.6	8.9W	25 37.971	-0.0006	07	-52 50 35.62	-0.002	07	0.18	37.978	15	38.3	35.60	18	38.3	B9	C9	4328
93	7.5E	8.3H	25 41.481	-0.0014	12	-50 34 46.18	-0.007	12	0.65	41.550	31	01.9	45.86	28	01.9	B9	CZ	9535
94	9.1	8.3W	25 52.596	-0.0021	07	-57 13 49.11	-0.021	07	0.14	52.604	14	46.4	49.03	14	46.4	K0	CO	3459
95		8.0T	25 53.022	-0.0069	12	-51 46 33.69	-0.018	10	0.54	53.334	17	04.5	32.78	17	98.5	K0	GC	15741
96	9.2	8.1W	26 8.164	-0.0012	07	-54 4 3.77	0.003	07	0.18	8.178	15	38.3	3.81	18	38.3	K0	C9	4329
97		7.5T	26 16.021	-0.0023	12	-57 51 59.24	-0.001	08	0.51	16.133	18	05.4	59.19	15	00.7	A0	GC	15749
98	9.1E	9.0Z	26 17.891	-0.0022	12	-51 25 16.47	-0.011	12	0.65	17.998	31	02.0	15.96	28	02.0	F5	CZ	9543
99		6.9T	26 17.977	-0.0010	13	-54 36 27.23	-0.030	11	0.63	18.022	21	02.6	25.68	19	98.5	A3	GC	15750
00	9.6	9.7W	26 18.455	-0.0019	07	-53 7 10.28	0.002	07	0.18	18.478	15	38.3	10.30	18	38.3	A2	C9	4331

-50° 11H

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239100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ".001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ_μ ".001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ".01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ".01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 11H DM NUMBER
1	9.4	8.2W	11 26 19.119	-0.0076	07	-53 53 37.12	-0.010	07	0.18	19.208	15	38.3	37.00	18	38.3	KO	C9	4332	P -53 4575
2		8.4T	26 26.703	-0.0039	12	-58 7 7.39	-0.005	10	0.53	26.889	18	08.2	7.16	18	02.1	A2	GC	15752	P -57 4734
3	9.3	9.4W	26 28.553	-0.0004	07	-54 36 51.24	-0.028	07	0.18	28.558	15	38.3	50.91	18	38.3	A2	C9	4334	P -54 4559
4	9.3	9.2W	26 45.455	0.0006	07	-54 38 32.36	-0.047	07	0.18	45.448	15	38.3	31.81	18	38.3	F5	C9	4335	P -54 4563
5		7.6T	26 45.547	-0.0009	13	-58 30 58.79	-0.019	10	0.55	45.590	18	07.2	57.89	18	02.9	AO	GC	15757K	P -58 3661
6	8.0	8.3W	26 46.159	-0.0018	07	-56 22 6.54	-0.005	07	0.14	46.165	14	46.4	6.52	14	46.4	B2	CO	3463	P -55 4399
7	10.2	8.8W	26 47.131	-0.0023	07	-53 4 19.07	-0.032	07	0.18	47.158	15	38.3	18.70	18	38.3	K2	C9	4336	P -52 4601
8	9.7E	8.5Z	26 58.440	-0.0018	12	-51 2 45.13	-0.014	12	0.71	58.525	45	03.2	44.49	45	03.2	K5	CZ	9547	P -50 4263
9	9.0	9.3W	27 0.473	-0.0016	06	-55 40 15.65	-0.021	06	0.18	0.492	15	38.3	15.41	18	38.3	AO	C9	4337	P -55 4402
10	8.8	9.2W	27 2.079	-0.0033	07	-53 47 32.85	-0.012	07	0.18	2.118	15	38.3	32.70	18	38.3	B9	C9	4338	P -53 4584
11		7.4T	27 2.244	0.0012	14	-57 33 24.33	-0.004	10	0.59	2.185	18	06.7	24.14	18	02.5	B2	GC	15763	P -57 4745
12	9.9	9.9W	27 3.347	-0.0039	07	-55 40 23.47	-0.031	07	0.18	3.392	15	38.3	23.11	18	38.3	F0	C9	4339	P -55 4403
13	7.8	8.1W	27 12.586	-0.0044	07	-53 20 58.02	-0.032	07	0.18	12.638	15	38.3	58.40	18	38.3	AO	C9	4340	P -52 4604
14	9.4	8.7W	27 16.963	-0.0018	06	-55 3 10.17	-0.040	06	0.18	16.942	15	38.3	9.71	18	38.3	K0	C9	4341	P -55 4406
15	8.4	8.3W	27 22.007	-0.0019	07	-56 35 24.64	-0.031	07	0.14	22.014	14	46.4	24.53	14	46.4	A3	CO	3465	P -56 4539
16	10.1	9.0W	27 27.580	-0.0007	07	-52 25 25.87	-0.023	07	0.18	27.588	15	38.3	25.60	18	38.3	K0	C9	4342	P -52 4607
17		7.7T	27 27.720	-0.0365	15	-51 23 17.88	0.085	15	0.79	29.457	22	02.4	22.45	21	96.1	F2	GC	15774	C -50 6060
18	9.1	7.7W	27 34.241	-0.0019	05	-55 2 33.22	0.016	05	0.18	34.263	15	38.3	33.41	18	38.3	K2	C9	4343	P -54 4570
19	9.0	9.3W	27 34.347	-0.0035	07	-54 21 25.17	0.003	07	0.18	34.388	15	38.3	25.20	18	38.3	A2	C9	4344	P -53 4586
20		7.9T	27 36.844	-0.0158	14	-54 59 17.14	-0.051	11	0.66	37.585	21	03.0	14.54	19	98.9	GO	GC	15777	P -54 4572
21	10.5E	9.0Z	27 37.408	-0.0018	12	-51 2 41.07	-0.014	12	0.65	37.495	31	01.9	40.42	28	01.9		CZ	9553	P -50 4271
22	8.9	8.7W	27 37.440	-0.0029	06	-55 1 3.95	-0.004	06	0.18	37.473	15	38.3	3.91	18	38.3		C9	4346	P -54 4571
23	8.7	9.1W	27 47.320	-0.0029	07	-55 16 57.93	-0.002	07	0.18	47.353	15	38.3	57.91	18	38.3	AO	C9	4347	P -54 4574
24	9.0	9.2W	27 47.756	0.0024	13	-54 23 13.57	-0.005	13	0.23	47.728	15	38.3	13.50	18	38.3	B9	C9	4348	P*-53 4587
25	8.7	7.4W	28 7.038	-0.0004	06	-59 21 4.89	-0.016	06	0.14	7.040	14	46.4	4.83	14	46.4	K2	CO	3466	P -58 3675
26	9.6	9.6W	28 7.950	-0.0041	12	-52 58 43.73	0.006	12	0.22	7.998	15	38.3	43.80	18	38.3	F0	C9	4349	P -52 4621
27	8.8	8.7W	28 8.183	0.0042	06	-59 44 41.86	-0.008	06	0.14	8.168	14	46.4	41.83	14	46.4	A3	CO	3467	P -59 3541
28	8.7E	9.0Z	28 11.064	-0.0030	12	-50 13 31.56	-0.018	12	0.66	11.214	31	00.9	30.69	28	00.9	AO	CZ	9560	P -49 4302
29	9.2	8.3W	28 18.399	-0.0624	13	-56 51 30.05	0.025	13	0.15	18.624	14	46.4	30.13	14	46.4	K0	CO	3468	P -56 4554
30		7.8T	28 27.131	0.0016	13	-58 32 8.48	-0.017	10	0.56	27.055	18	05.8	7.66	15	02.3	GO	GC	15798	P -58 3677
31	8.3	8.6W	28 27.153	-0.0013	07	-59 45 6.39	-0.017	07	0.14	27.159	14	46.4	6.33	14	46.4	AO	CO	3470	P -59 3544
32	8.5E	8.2Z	28 29.988	-0.0035	12	-50 39 59.80	-0.020	12	0.71	30.153	45	03.2	58.87	45	03.2	G5	CZ	9566	P -50 4283
33			28 34.171	-0.0008	13	-56 37 22.09	0.013	13	0.15	34.174	14	46.4	22.14	14	46.4	K0	CO	3472V	P*-56 4558
34	8.2	8.4W	28 35.580	-0.0007	07	-52 19 52.29	-0.025	07	0.18	35.588	15	38.3	52.00	18	38.3	AO	C9	4350	P -51 4257
35	10.3E	9.4*	28 36.704	0.0006	12	-52 3 15.54	-0.004	12	0.66	36.675	31	01.3	15.35	31	01.3	B9	CZ	9568	P -51 4259
36	9.2	8.9W	28 48.319	-0.0003	06	-58 33 34.24	-0.001	06	0.14	48.320	14	46.4	34.23	14	46.4	A2	CO	3473	P -58 3683
37	9.1	9.2W	28 48.341	-0.0009	13	-56 58 17.31	-0.022	13	0.15	48.344	14	46.4	17.23	14	46.4	B8	CO	3474	P -56 4564
38	9.9	9.1W	28 56.503	-0.0021	07	-54 21 47.92	-0.001	07	0.18	56.528	15	38.3	47.91	18	38.3	G5	C9	4351	P -53 4596
39	9.6E	9.0Z	28 56.993	-0.0025	12	-51 32 17.55	-0.022	12	0.82	57.110	63	03.3	16.54	57	03.3	K0	CZ	9574	P -51 4262
40	8.9	9.0W	28 58.145	-0.0036	07	-59 48 34.06	-0.007	07	0.14	58.158	14	46.3	34.03	14	46.3	AO	CO	3220	P -59 3552
41	10.0E	9.5H	29 6.090	-0.0008	12	-50 34 30.31	-0.012	12	0.65	6.129	31	01.9	29.74	28	01.9	A3	CZ	9584	P -50 4291
42	9.1	9.1W	29 10.115	-0.0040	07	-59 23 44.08	-0.013	07	0.14	10.130	14	46.4	44.03	14	46.4	A3	CO	3476	P -58 3688
43	8.6	8.4W	29 20.040	-0.0092	07	-54 28 41.07	0.029	07	0.18	20.148	15	38.3	41.40	18	38.3	F2	C9	4352	P -54 4591
44	8.2E	9.0Z	29 21.905	-0.0012	12	-51 22 40.68	-0.008	12	0.66	21.965	31	01.3	40.30	31	01.3	B9	CZ	9590	P -50 4294
45		5.0T	29 26.836	-0.0003	07	-59 9 57.55	-0.009	05	0.28	26.851	12	11.1	57.14	12	05.5	F8P	GC	15818K	P*-58 3692
46		5.3T	29 29.486	-0.0023	07	-59 14 22.23	-0.002	06	0.28	29.579	09	12.4	22.15	09	15.0	A2P	GC	15820	P*-58 3693
47	8.6	8.6W	29 34.265	-0.0011	07	-52 10 47.13	-0.029	07	0.18	34.278	15	38.3	46.80	18	38.3	F5	C9	4353	P -51 4266
48			29 35.285	-0.0019	07	-52 10 51.39	0.009	07	0.18	35.308	15	38.3	51.50	18	38.3		C9	4354	P -51 4266
49	8.2	8.6W	29 40.575	-0.0011	06	-59 27 51.06	-0.007	06	0.14	40.579	14	46.4	51.03	14	46.4	AO	CO	3479	P -59 3564
50	9.2	9.0W	29 49.193	-0.0249	07	-58 13 44.66	0.049	07	0.14	49.282	14	46.4	44.83	14	46.4	GO	CO	3480	P -57 4789
51	9.9E	9.0Z	11 29 59.299	-0.0010	12	-50 39 22.48	-0.026	12	0.71	59.347	45	03.2	21.27	45	03.2	K2	CZ	9596	P -50 4303
52	9.3	9.9W	30 9.442	-0.0029	07	-58 3 54.58	-0.005	07	0.14	9.452	14	46.4	54.56	14	46.4	AO	CO	3481	P -57 4794
53		7.8T	30 13.125	-0.0039	11	-55 26 29.65	-0.014	09	0.48	13.316	18	05.3	28.96	17	01.5	A2	GC	15838	P -59 3573
54	8.2E	8.4H	30 19.214	-0.0013	12	-50 15 16.58	-0.008	12	0.73	19.278	45	01.7	16.18	45	01.7	A2	CZ	9600	P -49 4328
55	9.7E	9.2H	30 23.639	-0.0042	12	-50 19 36.45	0.002	12	0.71	23.837	45	03.2	36.52	45	03.2	K0	CZ	9601	P -49 4329
56	8.6E	8.5Z	30 23.709	-0.0045	12	-51 52 9.17	0.005	12	0.82	23.918	63	03.3	9.41	57	03.3	K0	CZ	9602	P -51 4271
57	9.1	9.4W	30 25.200	-0.0052	13	-59 45 11.22	0.012	13	0.15	25.219	14	46.4	11.26	14	46.4	AO	CO	3483	P -59 3579
58	9.3	9.3W	30 28.689	-0.0014	07	-57 24 3.90	-0.039	07	0.14	28.694	14	46.4	3.76	14	46.4	A2	CO	3484	P*-56 4583
59	8.6E	8.5Z	30 29.149	0.0037	12	-50 39 58.86	-0.026	12	0.71	28.976	45	03.2	57.66	45	03.2	F8	CZ	9606	P -50 4311
60	9.1	9.0W	30 42.689	-0.0047	07	-55 22 14.73	0.009	07	0.18	42.744	15	38.3	14.83	18	38.3	A3	C9	4355	P -54 4607
61	9.7	9.7W	30 43.095	-0.0038	11	-59 34 6.07	-0.001	11	0.15	43.108	14	46.4	6.06	14	46.4	AO	CO	3485	P -59 3583
62		8.0T	30 43.356	-0.0036	11	-54 2 53.28	-0.012	10	0.52	43.514	18	06.3	52.73	17	02.4	F0	GC	15848	P -53 4613
63	9.6	9.4W	30 46.340	-0.0067	07	-52 4 24.32	-0.034	07	0.18	46.419	15	38.3	23.92	18	38.3	F5	C9	4357	P -51 4274
64	8.7	8.9W	30 46.682	-0.0023	06	-53 34 49.32	0.009	06	0.18	46.709	15	38.3	49.43	18	38.3	AO	C9	4358	P -53 4614
65	9.2	9.6W	30 48.826	-0.0046	09	-57 52 40.95	0.002	09	0.14	48.842	14	46.4	40.96	14	46.4	B9	CO	3486	P -57 4804
66	7.8E	8.5Z	30 54.785	-0.0037	12	-51 5 18.80	-0.008	12	0.65	54.964	31	01.9	18.40	28	01.9	AO	CZ	9613	P -50 4319
67	8.8E	8.2Z	30 55.185	-0.0014	12	-50 38 9.13	-0.002	12	0.71	55.250	45	03.2	9.01	45	03.2	K0	CZ	9614	P -50 4320
68	10.0	9.8W	31 18.131	-0.0049	09	-53 5 38.48	0.029	09	0.20	18.189	15	38.3	38.82	18	38.3	F2	C9	4359	P -52 4668
69		8.1T	31 18.394	-0.0026	14	-57 22 7.50	-0.011	10	0.57	18.514	18	07.1	6.97	17	03.8	AO	GC	15858	P -56 4596
70	7.9E	8.0Z	31 24.964	-0.0053	12	-50 9 23.07	-0.003	12	0.66	25.223	31	00.9	22.91	28	00.9	F5	CZ	9621	P -49 4341
71		8.1T	31 27.029	-0.0074	18	-53 3 39.44	-0.016	14	0.78	27.356	22	05.8	38.70	21	02.0	G5	GC	15861	P -52 4671
72	9.6	9.9W	31 30.263	-0.0026	07	-58 24 55.05	-0.026	07	0.14	30.272	14	46.4	54.96	14	46.4	B8	CO	3488	P -58 3709
73	9.3	8.7W	31 34.107	-0.0027	07	-53 46 39.51	-0.016	07	0.18	34.139	15	38.3	39.33	18	38.3	G5	C9	4361	P -53 4622
74	9.8	9.8W	31 36.236	-0.0011	15	-52 51 52.01	0.018	15	0.24	36.249	15	38.3	52.22	18	38.3	F0	C9	4362	P -52 4673
75	9.3	9.3W	31 37.822	-0.0023	07	-58 50 46.63	0.009	07	0.14	37.830	14	46.4	46.66	14	46.4	AO	CO	3489	P -58 3712
76	9.6	8.8W	31 39.731	-0.0025	07	-59 17 3.32	-0.016	07	0.14	39.740	14	46.4	3.26	14	46.4	GO	CO	3490	P -58 3713
77		7.5T	31 46.953	-0.0063	13	-59 24 18.90	-0.002	10	0.55	47.250	19	06.5	18.79	18	03.1	F5	GC	15866	P -58 3717
78	9.4E	9.0Z	31 47.500	-0.0026	12	-50 56 23.86	-0.003	12	0.71	47.622	45	03.2	23.70	45	03.2	A2	CZ	9628	P -50 4328
79	9.3	7.7W	31 51.084	-0.0021	07	-54 16 43.85	-0.028	07	0.18	51.109	15	38.3	43.53	18	38.3	MA	C9	4363	P -53 4627
80		7.6T	31 59.039	-0.0015	13	-57 21 2.73	-0.007	11	0.61	59.115	21	04.0	2.35	19	99.0	K0	GC	15872	P -56 4603
81	7.9	8.2W	32 9.139	-0.0010	07	-57 49 54.21	-0.014	07	0.14	9.143	14	46.4	54.16	14	46.4	AO	CO	3493	P -57 4819
82	9.3	9.6W	32 12.143	-0.0019	07	-58 52 39.25	0.004	07	0.14	12.150	14	46.4	39.26	14	46.4	AO	CO	3494	P -58 3720
83	8.7	9.1W	32 16.301	-0.0007	08	-52 45 8.10	-0.016	08	0.19	16.309	15	38.3	7.92	18	38.3	AO	C9	4364	P -52 4682
84	8.6	7.4W	32 16.326	-0.0022	07	-56 52 33.17	-0.003	07	0.14	16.334	14	46.4	33.16	14	46.4	K0	CO	3495	P -56 4604
85	9.5	9.1W	32 17.171	-0.0092	13	-57 9 59.26	-0.028	13	0.15	17.204	14	46.4	59.16	14	46.4	GO	CO	3496	P -56 4605
86	9.8	9.9W	32 18.674	-0.0025	10	-57 36 43.15	0.002	10	0.14	18.683	14	46.4	43.16	14	46.4	AO	CO	3497	P -57 4822
87	8.7	8.9W	32 20.140	-0.0025	07	-54 22 48.19	0.003	07	0.18	20.169	15	38.3	48.23	18	38.3	B9	C9	4365	P -53 4636
88	9.1	9.0W	32 22.634	-0.0052	06	-57 59 29.85	0.001	06	0.14	22.652	14	46.4	29.86	14	46.4	F2	CO	3498	P -57 4825
89		4.8T	32 22.851	-0.0067	08	-53 59 15.82	0.015	05	0.30	23.114	14	10.8	16.48	12	04.2	B8	GC	15877	P*-53 4637
90	9.6	9.4W	32 23.010	-0.0016	09	-52 0 12.33	-0.018	09	0.20	23.029	15	38.3	12.12	18	38.3	A5	C9	4367	P*-51 4290
91	9.0E	9.2Z	32 27.462	-0.0036	12	-51 45 19.59	-0.010	12	0.82	27.629	63	03.3	19.13	57	03.3	B9	CZ	9639	P -51 4292
92	8.6	8.8W	32 28.085	0.0014	07	-52 11 4.71	-0.025	07	0.18	28.069	15	38.3	4.42	18	38.3	AO	C9	4368	P -51 4293
93	9.1	9.0W	32 28.135	-0.0041	06	-58 51 54.25	0.003	06	0.14	28.150	14	46.4	54.26	14	46.4	A5	CO	3499	P -58 3727
94	10.0E	9.8Z	32 34.242	0.0010	12	-50 39 9.50	-0.019	12	0.67	34.195	36	02.9	8.60	36	02.9	AO	CZ	9643	P -50 4339
95	9.1	9.0W	32 36.235	0.0005	07	-52 6 23.12	-0.017	07	0.18	36.229	15	38.3	22.92	18	38.3	A3	C9	4369	P -51 4294
96		6.9T	32 39.542	0.0010	15	-52 57 56.81	0.010	11	0.65	39.495	21	03.9	57.30	19	98.7	G5	GC	15883	P -52 4691
97	9.5	9.8W	32 40.879	-0.0034	12	-52 58 51.28	-0.014	12	0.22	40.919	15	38.3	51.12	18	38.3	A	C9	4371	P -52 4692
98		6.9T	32 41.030	0.0014	12	-55 50 44.30	-0.005	11	0.62	40.957	21	01.9	44.02	19	98.1	KO	GC	15884	P -55 4468
99	9.2	8.4W	32 44.666	-0.0023	05	-55 45 22.11	-0.006	05	0.18	44.693	15	38.3	22.03	18	38.3	G5	C9	4373	P*-55 4470
00	9.8E	9.5H	32 54.389	-0.0008	12	-50 33 2.73	-0.011	12	0.65	54.428	31	01.6	2.19	28	01.6	AO	CZ	9648	P -50 4341

239200

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.0E	8.0Z	11 33 2.828	-0.0007	12	-51 1 3.10	0.001	12	0.72	2.861	45	02.8	3.15	45	02.8	K2	CZ	9650	P -50 4342
2	8.9E	9.0Z	33 8.581	-0.0015	12	-51 40 11.55	-0.012	12	0.82	8.649	63	03.3	11.00	57	03.3	A2	CZ	9653	P -51 4300
3	9.1	8.7W	33 11.224	-0.0158	07	-52 11 35.17	0.021	07	0.18	11.409	15	38.3	35.42	18	38.3	G0	C9	4374	P -51 4301
4		8.1T	33 13.398	-0.0034	14	-50 26 49.41	-0.023	11	0.68	13.562	22	01.2	48.21	21	97.4	A2	GC	15894	C -50 6158
5	8.8	8.9W	33 14.089	-0.0037	07	-57 57 4.76	-0.000	07	0.14	14.103	14	46.4	4.76	14	46.4	A2	CO	3501	P -57 4839
6	8.4	7.6W	33 23.763	-0.0005	07	-52 41 17.27	-0.013	07	0.18	23.769	15	38.3	17.12	18	38.3	G5	C9	4375	P -52 4702
7		7.8T	33 34.044	-0.0031	14	-50 27 56.68	0.011	11	0.67	34.193	22	01.3	57.29	19	95.1	F0	GC	15903	C -50 6166
8	9.5	9.5W	33 38.687	-0.0027	12	-53 1 17.25	0.006	12	0.22	38.719	15	38.3	17.32	18	38.3	A2	C9	4376	P -52 4706
9	9.5	10.0W	33 45.156	0.0011	07	-55 33 37.14	0.008	07	0.18	45.143	15	38.3	37.23	18	38.3	B9	C9	4377	P -55 4482
10	9.3	9.3W	33 45.454	-0.0021	07	-53 31 20.44	-0.018	07	0.18	45.479	15	38.3	20.23	18	38.3	A2	C9	4378	P -53 4644
11	8.5	8.8W	33 47.149	-0.0038	07	-57 49 17.47	-0.004	07	0.14	47.162	14	46.4	17.46	14	46.4	A0	CO	3502	P -57 4853
12	8.5	7.7W	33 51.006	-0.0036	07	-59 44 6.03	0.065	07	0.14	51.019	14	46.4	6.26	14	46.4	G5	CO	3503	P -59 3635
13	9.5	8.6W	33 57.647	-0.0027	07	-53 58 33.49	-0.005	07	0.18	57.679	15	38.3	33.43	18	38.3	K0	C9	4379	P -53 4648
14	8.8	8.0W	33 59.689	-0.0081	07	-55 27 46.06	0.024	07	0.18	59.784	15	38.3	46.34	18	38.3	K0	C9	4380	P -55 4488
15	9.6	8.0W	34 2.776	-0.0010	07	-59 9 16.73	-0.020	07	0.14	2.780	14	46.4	16.66	14	46.4	K5	CO	3504	P -58 3741
16	9.3	9.7W	34 5.243	-0.0020	06	-59 29 28.08	-0.006	06	0.14	5.250	14	46.4	28.06	14	46.4	B9	CO	3505	P -59 3638
17	9.6	9.9W	34 10.648	-0.0033	06	-58 38 24.59	-0.007	06	0.14	10.660	14	46.4	24.56	14	46.4	A5	CO	3506	P -58 3742
18	9.0	9.1W	34 16.891	-0.0075	07	-54 52 28.83	0.017	07	0.18	16.979	15	38.3	29.03	18	38.3	A5	C9	4381	P -54 4652
19	9.2	9.2W	34 26.463	-0.0020	06	-58 41 14.10	-0.010	06	0.14	26.470	14	46.4	14.06	14	46.4	A3	CO	3507	P -58 3746
20	9.1	9.4W	34 26.992	-0.0022	06	-59 4 56.59	-0.007	06	0.14	27.000	14	46.4	56.56	14	46.4	B9	CO	3508	P -58 3748
21	8.4	8.7W	34 31.316	-0.0008	07	-59 37 33.44	0.006	07	0.14	31.318	14	46.4	33.46	14	46.4	B9	CO	3509	P -59 3640
22	9.7E	9.0Z	34 33.780	-0.0006	12	-51 41 36.25	-0.024	12	0.82	33.806	63	03.3	35.14	57	03.3	K0	CZ	9674	P -51 4316
23	8.8	9.0W	34 34.432	-0.0006	07	-52 55 59.22	-0.009	07	0.18	34.439	15	38.3	59.12	18	38.3	B9	C9	4382	P -52 4716
24	9.2E	8.5Z	34 34.617	-0.0024	12	-50 38 50.20	-0.003	12	0.72	34.730	45	02.8	50.06	45	02.8	A0	CZ	9675	P -50 4362
25	8.9	9.0W	34 46.134	0.0017	07	-55 19 10.26	-0.002	07	0.18	46.114	15	38.3	10.23	18	38.3	A2	C9	4383	P -54 4662
26	8.9	9.1W	34 47.888	-0.0026	07	-53 42 18.15	0.024	07	0.18	47.919	15	38.3	18.43	18	38.3	A2	C9	4384	P -53 4655
27	9.2	9.4W	34 50.306	0.0005	13	-56 30 6.97	-0.001	13	0.15	50.304	14	46.4	6.96	14	46.4	A2	CO	3510	P -56 4643
28	10.1E	9.2*	34 51.340	-0.0026	12	-51 6 0.56	-0.016	12	0.65	51.465	31	01.6	-59.79	28	01.6	A5	CZ	9682	P -50 4365
29	9.3	9.5W	34 54.061	-0.0032	07	-58 14 15.28	-0.005	07	0.14	54.072	14	46.4	15.26	14	46.4	A0	CO	3511	P -57 4870
30	9.0E	9.5Z	34 56.860	-0.0056	12	-51 25 4.28	-0.014	12	0.82	57.123	63	03.3	3.63	57	03.3	A2	CZ	9684	P -51 4319
31		8.0T	35 0.614	0.0009	18	-53 27 40.77	-0.036	13	0.73	0.575	22	06.9	39.10	22	04.2	K0	GC	15942	P -53 4658
32	9.5	9.7W	35 6.888	0.0038	07	-55 9 26.73	0.026	07	0.18	6.844	15	38.3	27.03	18	38.3	A0	C9	4386	P*-54 4665
33	9.9E	9.4Z	35 8.227	-0.0034	12	-51 12 57.98	-0.012	12	0.72	8.388	45	02.8	57.43	45	02.8	A0	CZ	9688	P -50 4369
34	9.2	8.9W	35 11.916	-0.0037	07	-53 5 31.97	-0.047	07	0.18	11.959	15	38.3	31.42	18	38.3	G0	C9	4387	P -52 4725
35	9.3	9.4W	35 12.710	-0.0043	13	-56 14 0.64	-0.024	13	0.15	12.725	14	46.4	0.55	14	46.4	A0	CO	3513	P -55 4500
36	9.5	9.8W	35 13.792	-0.0049	13	-58 58 47.41	-0.014	13	0.15	13.810	14	46.4	47.36	14	46.4	A0	CO	3514	P -58 3756
37	9.2E	9.0Z	35 14.479	-0.0056	12	-51 49 25.54	-0.001	12	0.82	14.739	63	03.3	25.49	57	03.3	F0	CZ	9690	P -51 4324
38	9.4E	8.6Z	35 15.420	-0.0028	12	-50 17 33.64	-0.001	12	0.72	15.554	45	02.8	33.60	45	02.8	K5	CZ	9691	P -49 4388
39	8.4	8.0W	35 23.880	-0.0110	07	-52 36 46.95	-0.097	07	0.18	24.009	15	38.3	45.82	18	38.3	G5	C9	4388	P*-52 4727
40	10.0	10.2W	35 31.475	-0.0020	14	-52 4 27.11	-0.016	14	0.23	31.499	15	38.3	26.92	18	38.3	A0	C9	4389	P -51 4327
41	8.7	7.9W	35 37.628	-0.0069	07	-54 25 32.75	-0.028	07	0.18	37.709	15	38.3	32.43	18	38.3	G5	C9	4390	P -54 4672
42	8.8	9.1W	35 39.819	-0.0037	07	-58 20 34.23	-0.019	07	0.14	39.832	14	46.4	34.16	14	46.4	B8	CO	3515	P -57 4878
43	9.4	8.1W	35 41.604	-0.0004	07	-52 27 38.59	-0.032	07	0.18	41.609	15	38.3	38.22	18	38.3	K0	C9	4391	P -52 4729
44	9.0	9.2W	35 41.890	-0.0040	07	-56 53 3.18	-0.005	07	0.14	41.904	14	46.4	3.16	14	46.4	A0	CO	3516	P -56 4653
45	9.5E	8.5Z	35 45.872	-0.0117	12	-51 17 50.02	-0.107	12	0.82	46.419	63	03.3	45.03	57	03.3	K0	CZ	9699	P -50 4379
46	9.9	8.2W	35 52.991	0.0019	07	-51 56 30.20	-0.024	07	0.18	52.969	15	38.3	29.92	18	38.3	K5	C9	4392	P -51 4334
47	9.7	9.5W	36 2.033	-0.0022	12	-53 58 44.38	-0.013	12	0.22	2.059	15	38.3	44.23	18	38.3	F0	C9	4393	P -53 4668
48	10.1E	9.5Z	36 9.283	-0.0030	12	-50 59 18.01	-0.019	12	0.72	9.424	45	02.8	17.12	45	02.8	A0	CZ	9706	P -50 4383
49	9.6E	9.7Z	36 13.442	-0.0025	12	-50 4 29.86	-0.008	12	0.73	13.565	45	01.3	29.48	45	01.3	A0	CZ	9707	P -49 4402
50	9.8	8.6W	36 14.018	-0.0009	07	-52 6 20.90	-0.024	07	0.18	14.029	15	38.3	20.62	18	38.3	K0	C9	4394	P -51 4338
51	9.2	9.1W	11 36 15.115	-0.0037	07	-54 43 5.12	0.010	07	0.18	15.159	15	38.3	5.23	18	38.3	F0	C9	4395	P -54 4680
52	9.8	9.7W	36 22.006	-0.0023	13	-57 12 59.53	-0.021	13	0.15	22.014	14	46.4	59.46	14	46.4	F0	CO	3517	P -56 4660
53	9.4	9.5W	36 25.346	-0.0021	07	-56 46 56.39	-0.009	07	0.14	25.354	14	46.4	56.36	14	46.4	B9	CO	3518	P -56 4661
54	9.2	9.5W	36 26.128	-0.0001	07	-53 8 19.43	-0.001	07	0.18	26.129	15	38.3	19.42	18	38.3	A0	C9	4396	P -52 4743
55	9.7	9.5W	36 36.418	-0.0002	07	-59 36 49.57	-0.003	07	0.14	36.418	14	46.4	49.56	14	46.4	A0	CO	3519	P -59 3675
56	8.9	8.9W	36 41.430	-0.0039	07	-56 46 15.27	-0.003	07	0.14	41.444	14	46.4	15.26	14	46.4	A2	CO	3520	P -56 4663
57	9.7	9.9W	36 43.597	-0.0036	11	-58 32 4.18	-0.005	11	0.15	43.610	14	46.4	4.16	14	46.4	B9	CO	3521	P -58 3772
58	8.1	7.2W	36 45.889	-0.0010	06	-58 19 13.94	0.005	06	0.14	45.892	14	46.4	13.96	14	46.4	G5	CO	3522	P -57 4893
59	9.9		36 46.486	-0.0074	12	-57 54 17.49	0.020	12	0.15	46.512	14	46.4	17.56	14	46.4	A0	CO	3523	P -57 4895
60	9.0E	8.8Z	36 46.932	-0.0038	12	-51 37 11.43	-0.022	12	0.82	47.108	63	03.3	10.41	57	03.3	+++	CZ	9712	P*-51 4344
61		7.4T	36 47.097	-0.0030	10	-57 27 44.54	-0.008	09	0.48	47.244	18	04.5	44.13	17	00.9	A0	GC	15992K	P*-57 4894
62		7.6T	36 57.195	-0.0002	15	-51 8 50.63	0.004	11	0.69	57.205	22	01.6	50.85	19	96.2	K2	GC	15997	C -50 6217
63	8.9	9.0W	37 6.444	-0.0044	06	-59 29 45.49	-0.008	06	0.14	6.460	14	46.4	45.46	14	46.4	A5	CO	3525	P -59 3678
64	9.8	9.0W	37 6.797	-0.0027	07	-52 15 49.32	-0.026	07	0.18	6.829	15	38.3	49.02	18	38.3	K0	C9	4397	P -51 4352
65	8.7E	8.2Z	37 8.557	-0.0061	12	-51 24 29.66	0.021	12	0.66	8.855	31	01.2	30.69	31	01.2	G5	CZ	9716D	P*-50 4404
66	9.1	8.7W	37 9.432	-0.0348	07	-52 27 6.12	0.068	07	0.18	9.839	15	38.3	6.92	18	38.3	G0	C9	4398	P -52 4753
67	9.5		37 11.092	-0.0032	13	-56 59 8.99	0.018	13	0.15	11.104	14	46.4	9.06	14	46.4	G5	CO	3526	P -56 4668
68	9.4	8.7W	37 12.403	-0.0001	07	-55 20 8.60	0.012	07	0.18	12.404	15	38.3	8.73	18	38.3	G5	C9	4399	P -54 4691
69	8.0	8.2W	37 14.213	0.0012	13	-54 43 10.88	-0.030	13	0.23	14.199	15	38.3	10.53	18	38.3	A3	C9	4400	P -54 4692
70	9.5	9.6W	37 16.385	-0.0048	11	-57 42 6.06	0.001	11	0.15	16.403	14	46.4	6.06	14	46.4	A0	CO	3527	P -57 4902
71	9.3	9.3W	37 21.611	0.0008	13	-59 53 49.04	-0.021	13	0.15	21.609	14	46.3	48.96	14	46.3	A0	CO	3290	P -59 3681
72		6.8T	37 27.608	-0.0047	09	-50 12 32.26	-0.004	07	0.39	27.818	15	04.8	32.06	14	99.5	A0	GC	16013	C -49 6377
73	8.1	7.3W	37 41.226	-0.0066	06	-58 43 28.96	0.001	06	0.14	41.250	14	46.4	28.96	14	46.4	G5	CO	3529	P -58 3778
74	9.1	9.0W	37 48.971	-0.0006	07	-57 30 25.50	0.017	07	0.14	48.973	14	46.4	25.56	14	46.4	A2	CO	3530	P -57 4905
75	10.3	9.3W	37 57.395	-0.0020	14	-52 45 10.67	-0.022	14	0.23	57.419	15	38.3	10.42	18	38.3	G5	C9	4401	P -52 4767
76	10.1E	8.5Z	38 1.563	-0.0010	12	-51 15 3.55	-0.025	12	0.72	1.611	45	02.8	2.38	45	02.8	K0	CZ	9731	P -50 4413
77	9.5E	9.3*	38 5.826	0.0002	12	-50 42 10.48	0.003	12	0.65	5.817	31	01.6	10.62	28	01.6	A0	CZ	9734	P -50 4415
78	10.0	9.2W	38 7.443	-0.0005	14	-52 27 40.96	-0.012	14	0.23	7.449	15	38.3	40.82	18	38.3	G5	C9	4402	P -52 4770
79	8.6	7.8W	38 8.026	-0.0003	15	-56 2 33.55	0.007	15	0.24	8.023	15	38.3	33.63	18	38.3	K0	C9	4403	P -55 4537
80	10.9E	9.6*	38 10.759	-0.0019	12	-51 55 22.31	-0.017	12	0.65	10.851	31	01.0	21.47	28	01.0	K0	CZ	9736	P -51 4359
81	9.7E	8.5Z	38 11.568	-0.0022	12	-51 36 29.94	-0.033	12	0.73	11.673	45	01.8	28.35	45	01.8	K2	CZ	9738	P -51 4360
82	9.0	9.0W	38 14.054	-0.0056	07	-57 24 22.45	-0.024	07	0.14	14.074	14	46.4	22.36	14	46.4	A2	CO	3531	P -56 4683
83	9.5	9.7W	38 15.269	-0.0012	15	-55 36 0.91	-0.006	15	0.24	15.283	15	38.3	0.84	18	38.3	B9	C9	4404	P -55 4539
84		6.0T	38 17.033	0.0005	13	-53 41 27.14	-0.022	09	0.60	17.011	21	02.9	25.93	18	96.2	M0	GC	16033	P -53 4691
85	9.3	8.8W	38 17.335	-0.0188	07	-57 49 37.66	0.001	07	0.14	17.403	14	46.4	37.66	14	46.4	G5	CO	3532	P -57 4910
86	9.8	9.8W	38 27.580	-0.0016	12	-52 35 39.74	-0.045	12	0.22	27.599	15	38.3	39.22	18	38.3	A2	C9	4406	P -52 4774
87	9.1	7.7W	38 27.720	-0.0016	06	-54 49 15.58	0.005	06	0.18	27.739	15	38.3	15.64	18	38.3	K0	C9	4407	P -54 4706
88		7.0T	38 33.694	-0.0011	11	-55 17 48.03	-0.020	10	0.52	33.746	18	05.8	47.02	18	00.7	G0	GC	16038	P*-54 4707
89		7.7T	38 34.921	-0.0014	13	-54 16 17.16	-0.011	10	0.62	34.988	21	02.9	16.61	18	97.6	A0	GC	16039	P -53 4693
90	9.6	9.7W	38 43.427	-0.0036	12	-54 22 14.52	0.009	12	0.22	43.469	15	38.3	14.63	18	38.3	A2	C9	4411	P -53 4696
91	8.7	8.4W	38 46.903	-0.0043	07	-59 42 47.57	-0.002	07	0.14	46.919	14	46.4	47.56	14	46.4	A2	CO	3533	P -59 3699
92	9.7	8.7W	38 55.276	0.0006	07	-52 40 41.95	-0.028	07	0.18	55.269	15	38.3	41.62	18	38.3	K0	C9	4412	P -52 4781
93	9.8	8.8W	39 0.227	-0.0022	07	-56 26 41.94	0.002	07	0.14	0.235	14	46.4	41.95	14	46.4	G5	CO	3534	P -56 4696
94	9.0	9.1W	39 1.089	-0.0028	07	-59 35 58.68	-0.005	07	0.14	1.098	14	46.4	58.66	14	46.4	B9	CO	3535	P -59 3706
95	11.0E	9.5Z	39 13.831	-0.0033	12	-50 30 13.31	-0.004	12	0.73	13.991	45	01.4	13.11	45	01.4		CZ	9750D	P -50 4428
96	11.0E	9.8W	39 13.861	-0.0033	12	-50 30 19.51	-0.004	12	0.73	14.021	45	01.4	19.31	45	01.4		CZ	9751D	P -50 4428
97	9.4	8.1W	39 16.898	-0.0011	06	-58 27 47.01	-0.012	06	0.14	16.902	14	46.4	46.96	14	46.4	K2	CO	3536	P -58 3791
98		7.4T	39 18.823	-0.0078	13	-50 20 55.27	0.037	12	0.69	19.205	22	00.8	57.21	21	97.7	F0	GC	16060	C -49 6411
99	9.5	8.6W	39 22.777	-0.0021	07	-57 17 19.34	-0.022	07	0.14	22.784	14	46.4	19.26	14	46.4	K0	CO	3537	P -56 4699
00		9.6T	39 23.906	0.0011	20	-58 18 31.51	-0.027	16	0.85	23.853	24	05.4	30.23	22	02.6	G5	GC	16063	P -57 4926

239300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 11H DM NUMBER
1	9.1	9.1W	11 39 27.224	-0.0027	07	-57 22 44.29	-0.007	07	0.14	27.234	14	46.4	44.26	14	46.4	A0	C0	3539	P -56 4700
2		7.1T	39 29.732	-0.0026	13	-59 57 12.20	-0.010	09	0.54	29.854	18	07.0	11.70	18	02.4	F0	GC	16067	P -59 3717
3	9.5	8.9W	39 36.501	-0.0059	09	-57 43 30.86	-0.000	09	0.14	36.523	14	46.4	30.86	14	46.4	G5	C0	3541	P -57 4931
4	9.6	9.5W	39 41.754	-0.0059	15	-55 47 51.52	-0.007	15	0.24	41.823	15	38.3	51.44	18	38.3	A0	C9	4413	P -55 4559
5	9.7	8.7W	39 50.390	-0.0027	07	-58 58 56.86	-0.029	07	0.14	50.480	14	46.4	56.76	14	46.4	K0	C0	3542	P -58 3799
6		7.3T	39 51.915	-0.0057	12	-57 17 14.93	0.014	09	0.47	52.165	15	09.4	15.53	14	06.1	A0	GC	16075	P -56 4706
7	9.2	8.9W	39 53.388	0.0034	07	-54 15 25.83	-0.009	07	0.18	53.349	15	38.3	25.73	18	38.3	F8	C9	4414	P -53 4712
8	9.9	10.3W	40 0.003	-0.0039	07	-52 37 18.99	-0.006	07	0.18	0.049	15	38.3	18.92	18	38.3	A0	C9	4415	P -52 4795
9	11.1E	9.8M	40 7.031	-0.0014	12	-51 19 13.71	-0.021	12	0.85	7.100	63	00.4	12.67	57	00.4	A0	KZ	9763	P -50 4442
10	10.1E	9.2Z	40 7.804	0.0002	12	-51 19 11.27	-0.006	12	0.85	7.795	63	00.4	10.98	57	00.4	A0	KZ	9764	P -50 4442
11	8.7E	8.5Z	40 12.534	-0.0034	12	-50 1 53.06	-0.001	12	0.72	12.697	45	02.3	53.01	45	02.3	A2	KZ	9766	P -49 4453
12	8.8E	8.5Z	40 14.237	-0.0020	12	-50 8 52.06	-0.013	12	0.65	14.336	31	01.3	51.43	28	01.3	A0	KZ	9767	P -49 4454
13	10.0E	9.0M	40 24.190	-0.0002	12	-51 4 14.02	-0.009	12	0.66	24.200	31	00.7	13.59	28	00.7	K0	KZ	9768	P -50 4448
14	8.8	9.1W	40 29.496	-0.0007	07	-59 47 49.20	-0.012	07	0.14	29.499	14	46.4	49.16	14	46.4	B8	C0	3545	P -59 3732
15	8.2	8.5W	40 38.562	-0.0019	07	-59 39 48.38	-0.006	07	0.14	38.568	14	46.4	48.36	14	46.4	B8	C0	3546	P -59 3736
16	9.2	8.0W	40 39.011	-0.0024	07	-52 9 56.23	-0.027	07	0.18	39.039	15	38.3	55.92	18	38.3	K0	C9	4416	P -51 4409
17	8.0	8.4W	40 48.894	-0.0004	13	-56 18 36.04	0.002	13	0.15	48.895	14	46.4	36.05	14	46.4	B3	C0	3547	P -55 4576
18	9.5	9.6W	40 50.171	-0.0010	14	-55 31 7.20	0.012	14	0.23	50.183	15	38.3	7.34	18	38.3	A2	C9	4417	P -55 4575
19	8.8	8.9W	40 51.139	-0.0004	07	-55 18 25.04	0.025	07	0.18	51.144	15	38.3	25.34	18	38.3	A3	C9	4418	P -54 4725
20	9.2E	8.5Z	40 51.983	-0.0018	12	-51 32 29.96	-0.002	12	0.85	52.071	63	00.4	29.87	57	00.4	K0	KZ	9774	P -51 4417
21	9.0	8.0W	40 56.767	-0.0044	12	-54 1 41.98	0.004	12	0.22	56.819	15	38.3	42.03	18	38.3	K0	C9	4419	P -53 4720
22	9.0	8.2W	41 4.486	0.0011	07	-57 44 2.98	0.329	07	0.14	4.483	14	46.4	4.16	14	46.4	K0	C0	3548	P -57 4948
23		6.8T	41 6.401	-0.0055	14	-52 20 32.57	-0.005	10	0.68	6.678	21	99.5	32.28	18	94.4	K0	GC	16090	C -51 5983
24		7.9T	41 8.648	-0.0104	12	-54 55 5.00	0.007	10	0.59	9.137	21	02.8	5.34	18	97.6	A2	GC	16093	P -54 4728
25	9.2	9.2W	41 9.685	-0.0012	06	-53 33 18.12	-0.008	06	0.18	9.699	15	38.3	18.03	18	38.3	A2	C9	4422	P -53 4723
26	8.4	8.6W	41 10.564	-0.0032	13	-56 29 36.99	-0.010	13	0.15	10.575	14	46.4	36.95	14	46.4	A0	C0	3549	P -56 4720
27	8.4	8.8W	41 10.664	-0.0014	07	-59 51 18.45	0.003	07	0.14	10.669	14	46.4	18.46	14	46.4	B9	C0	3319	P*-59 3750
28	9.4	9.4W	41 18.423	-0.0039	14	-54 9 34.73	0.017	14	0.23	18.469	15	38.3	34.93	18	38.3	A0	C9	4423	P -53 4727
29	9.3	8.9W	41 18.668	-0.0043	09	-52 12 30.83	-0.035	09	0.20	18.719	15	38.3	30.42	18	38.3	F8	C9	4424	P -51 4427
30		8.5T	41 28.267	0.0013	18	-52 19 27.74	0.122	13	0.80	28.206	24	04.0	33.91	21	99.5	G0	GC	16101	C -51 5988
31	9.0	8.7W	41 29.613	-0.0044	06	-59 43 45.02	-0.017	06	0.14	29.629	14	46.4	44.96	14	46.4	F8	C0	3551	P -59 3754
32	8.8	9.0W	41 35.124	-0.0043	07	-55 6 47.59	-0.013	07	0.18	35.174	15	38.3	47.43	18	38.3	A2	C9	4426	P -54 4734
33	9.5	8.7W	41 36.518	-0.0041	06	-58 0 1.41	-0.013	06	0.14	36.533	14	46.4	1.36	14	46.4	G5	C0	3552	P -57 4958
34	8.3	8.6W	41 42.926	-0.0045	08	-53 28 14.03	0.016	08	0.19	42.979	15	38.3	14.22	18	38.3	A2	C9	4427	P -53 4730
35	9.2	9.5W	41 43.745	-0.0029	13	-53 23 27.18	0.046	13	0.23	43.779	15	38.3	27.72	18	38.3	A0	C9	4428	P -52 4821
36	8.9	7.5W	41 48.927	-0.0016	06	-58 9 49.27	-0.001	06	0.14	48.933	14	46.4	49.26	14	46.4	K2	C0	3553	P -57 4959
37	9.7		41 57.024	-0.0013	11	-59 29 15.0	0.003	11	0.15	57.029	14	46.4	29.16	14	46.4	A	C0	3554	P -59 3763
38	10.1E	8.7Z	42 4.016	-0.0027	12	-50 28 51.36	-0.011	12	0.73	4.149	45	01.4	50.83	45	01.4	K0	CZ	9788	P -50 4477
39	9.7	9.4W	42 12.815	-0.0029	09	-52 15 4.25	-0.003	09	0.20	12.849	15	38.3	4.22	18	38.3	F0	C9	4429	P -51 4436
40	9.8	10.1W	42 12.995	0.0008	07	-57 53 22.12	-0.017	07	0.14	12.992	14	46.4	22.06	14	46.4	B8	C0	3555	P -57 4963
41	10.2E	9.2*	42 13.427	-0.0011	12	-50 28 38.10	0.028	12	0.66	13.484	31	00.7	39.48	28	00.7		CZ	9794	P -50 4480
42	8.9	7.7W	42 18.714	-0.0010	06	-55 32 30.42	-0.016	06	0.18	18.703	15	38.3	30.23	18	38.3	K2	C9	4430	P*-55 4597
43	8.3	8.4W	42 21.516	-0.0039	06	-59 4 30.93	-0.019	06	0.14	21.530	14	46.4	30.86	14	46.4	A2	C0	3557	P -58 3821
44	9.1	8.6W	42 21.631	-0.0009	06	-57 59 12.69	-0.009	06	0.14	21.663	14	46.4	12.66	14	46.4	G0	C0	3558	P -57 4964
45	8.8	9.4W	42 24.325	0.0036	15	-55 42 39.22	0.001	15	0.24	24.283	15	38.3	39.23	18	38.3	A0	C9	4431	P -55 4599
46		7.5T	42 24.397	-0.0079	15	-55 11 1.55	0.015	11	0.66	24.790	21	04.5	2.28	19	00.0	A0	GC	16113K	P*-54 4743
47	9.2E	9.0Z	42 24.550	-0.0023	12	-51 51 17.76	-0.006	12	0.85	24.663	63	00.4	17.45	57	00.4	A0	CZ	9796	P -51 4437
48	8.1	7.5W	42 24.914	-0.0107	14	-58 25 29.52	-0.045	14	0.15	24.952	14	46.4	29.36	14	46.4	G5	C0	3559	P -58 3829
49	10.1	10.0W	42 25.729	-0.0060	12	-51 43 11.1	-0.042	12	0.22	25.799	15	38.3	42.62	18	38.3	F3	C9	4433	P -52 4831
50		7.5T	42 29.835	-0.0007	15	-51 17 36.11	-0.010	11	0.68	29.870	18	00.8	35.59	17	96.9	A0	GC	16115	C -50 6318
51	8.9E	8.5Z	11 42 49.054	-0.0049	12	-51 52 30.26	-0.007	12	0.67	49.298	31	99.8	29.90	31	99.8	K0	CZ	9801	P -51 4441
52	9.3	9.4W	43 0.797	0.0040	07	-57 50 59.82	-0.015	07	0.14	0.783	14	46.4	59.76	14	46.4	A2	C0	3560	P -57 4969
53	9.8	9.8W	43 10.564	-0.0025	14	-57 36 2.53	0.007	14	0.15	10.573	14	46.4	2.56	14	46.4	A0	C0	3561	P -57 4970
54		8.1T	43 17.014	-0.0065	16	-52 24 46.11	-0.029	11	0.71	17.318	22	03.1	44.57	21	97.4	F2	GC	16134	C -51 6012
55	8.8	8.9W	43 29.228	-0.0035	08	-53 2 16.48	0.003	08	0.19	29.269	15	38.3	16.52	18	38.3	A0	C9	4435	P -52 4852
56	9.3	8.4W	43 32.837	-0.0027	06	-54 46 2.41	0.011	06	0.18	32.869	15	38.3	2.53	18	38.3	K0	C9	4436	P -54 4759
57	8.3	8.6W	43 35.932	-0.0029	07	-57 48 28.15	0.004	07	0.14	35.943	14	46.4	28.16	14	46.4	B5	C0	3562	P*-57 4971
58	9.1	9.4W	43 36.052	-0.0035	15	-56 3 35.41	-0.015	15	0.24	36.093	15	38.3	35.24	18	38.3	A0	C9	4437	P -55 4616
59	8.7	8.9W	43 36.651	-0.0036	13	-57 4 58.03	0.010	13	0.15	36.664	14	46.4	58.06	14	46.4	A2	C0	3563	P -56 4758
60	9.6	9.2W	43 40.762	0.0022	13	-57 9 41.22	-0.016	13	0.15	40.754	14	46.4	41.16	14	46.4	F8	C0	3564	P -56 4760
61	10.7E	9.8*	43 40.927	-0.0019	12	-50 45 43.70	0.006	12	0.66	41.020	31	00.7	43.99	28	00.7		CZ	9818	P -50 4495
62	9.2	9.5W	43 46.821	0.0024	07	-57 42 32.28	0.023	07	0.14	46.813	14	46.4	32.36	14	46.4	A0	C0	3565	P -57 4974
63	8.8	9.3W	43 55.467	-0.0017	07	-57 37 12.71	0.014	07	0.14	55.473	14	46.4	12.76	14	46.4	B8	C0	3566	P -57 4978
64	8.7	8.9W	43 55.852	0.0017	15	-56 6 3.13	-0.034	15	0.24	55.833	15	38.3	2.73	18	38.3	A0	C9	4438	P -55 4620
65	8.4	8.8W	43 55.880	-0.0037	08	-55 22 58.76	-0.002	08	0.19	55.924	15	38.3	58.73	18	38.3	A0	C9	4439	P -54 4764
66	7.4	7.8W	44 0.496	-0.0018	06	-57 45 11.16	0.001	06	0.14	0.503	14	46.4	11.16	14	46.4	B8	C0	3567	P*-57 4979
67		7.6T	44 0.500	-0.0006	15	-53 54 0.29	0.010	12	0.68	0.528	21	04.0	0.76	19	00.0	+++	GC	16145	P*-53 4756
68		8.8T	44 4.763	-0.0001	15	-59 56 43.86	-0.001	09	0.67	4.767	22	01.9	43.78	19	93.7	K0	GC	16146	P -59 3786
69	9.4	8.8W	44 14.648	-0.0009	07	-52 52 52.49	-0.015	07	0.18	14.659	15	38.3	52.32	18	38.3	G0	C9	4441	P -52 4859
70	8.6	8.6W	44 15.229	-0.0038	07	-58 21 6.61	-0.013	07	0.14	15.242	14	46.4	6.56	14	46.4	A0	C0	3569	P -57 4981
71	8.9	9.0W	44 40.022	-0.0023	06	-58 46 41.76	-0.000	06	0.14	40.030	14	46.4	41.76	14	46.4	B9	C0	3570	P -58 3843
72	9.7	9.8W	44 50.772	-0.0023	07	-54 58 0.03	0.018	07	0.18	50.799	15	38.3	0.24	18	38.3	A2	C9	4442	P -54 4773
73		5.4T	44 51.918	-0.0038	15	-57 25 7.70	0.015	07	0.35	52.071	12	13.1	8.29	12	09.7	K5	GC	16165	P*-57 4989
74	8.7	8.7W	44 53.602	-0.0006	07	-53 22 30.17	0.021	07	0.18	53.609	15	38.3	30.42	18	38.3	A2	C9	4443	P -52 4868
75	9.4	7.8W	44 55.380	-0.0006	06	-58 3 57.12	-0.016	06	0.14	55.382	14	46.4	57.06	14	46.4	K5	C0	3572	P -57 4991
76	9.3E	8.0Z	45 0.809	-0.0017	12	-51 8 57.05	0.005	12	0.72	0.890	45	02.3	57.30	45	02.3	K2	CZ	9835	P -50 4507
77	8.6	8.7W	45 15.827	-0.0034	07	-59 50 3.53	0.007	07	0.14	10.839	14	46.4	3.56	14	46.4	A0	C0	3351	P -59 3856
78	8.6	8.5W	45 12.573	0.0028	07	-58 3 8.42	-0.045	07	0.14	12.563	14	46.4	8.26	14	46.4	F5	C0	3574	P -57 4998
79	9.6	9.4W	45 17.838	-0.0001	06	-53 50 14.44	-0.010	06	0.18	17.839	15	38.3	14.33	18	38.3	F5	C9	4444	P -53 4768
80	8.7	9.1W	45 37.393	-0.0032	13	-57 9 21.43	-0.019	13	0.15	37.404	14	46.4	21.36	14	46.4	B3	C0	3575	P -56 4789
81	9.4	8.4W	45 40.482	-0.0001	07	-57 43 0.27	-0.004	07	0.14	40.483	14	46.4	0.26	14	46.4	K0	C0	3576	P -57 5006
82	9.8E	8.5Z	45 43.026	-0.0009	12	-51 50 35.23	-0.016	12	0.85	43.070	63	00.4	34.43	57	00.4	G5	CZ	9838	P -51 4474
83		7.4T	45 43.417	0.0015	15	-57 56 34.05	-0.033	11	0.61	43.348	18	06.9	32.53	17	04.0	G0	GC	16175	P -57 5008
84	9.9	9.4W	45 58.519	-0.0051	07	-53 52 37.37	-0.012	07	0.18	58.579	15	38.3	37.23	18	38.3	F8	C9	4445	P -53 4772
85	9.5	9.8W	45 59.383	0.0009	07	-58 57 1.65	-0.011	07	0.14	59.380	14	46.4	1.56	14	46.4	A0	C0	3578	P -58 3860
86	8.4	8.9W	46 0.091	0.0016	07	-55 55 46.35	-0.018	07	0.18	0.073	15	38.3	46.14	18	38.3	B8	C9	4446	P -55 4643
87	8.5	8.1W	46 1.139	-0.0012	07	-55 41 19.74	-0.026	07	0.18	1.153	15	38.3	19.43	18	38.3	A5	C9	4447	P -55 4644
88	8.9	9.2W	46 14.050	-0.0010	07	-57 13 32.87	-0.002	07	0.14	14.054	14	46.4	32.86	14	46.4	A0	C0	3579	P -56 4795
89		7.9T	46 29.953	-0.0017	12	-51 7 57.65	-0.017	11	0.65	30.040	19	99.2	49.76	18	97.3	B5	GC	16188	C -50 6375
90	9.7	9.3W	46 33.362	-0.0083	07	-51 57 21.38	0.054	07	0.18	33.459	15	38.3	22.02	18	38.3	F8	C9	4448	P -51 4487
91	9.4	8.3W	46 33.572	-0.0031	06	-54 43 17.55	0.007	06	0.18	33.609	15	38.3	17.63	18	38.3	K2	C9	4449	P -54 4785
92		7.1T	46 44.679	-0.0028	14	-57 24 48.89	-0.004	12	0.69	44.826	21	03.8	48.66	19	97.5	B9	GC	16194	P -56 4799
93	9.2	9.3W	46 47.961	-0.0009	07	-56 33 50.21	0.014	07	0.14	47.964	14	46.4	50.26	14	46.4	A0	C0	3581	P -56 4800
94	9.6	9.7W	46 55.375	-0.0020	12	-53 26 59.42	-0.026	12	0.22	55.399	15	38.3	59.12	18	38.3	A2	C9	4450	P -53 4783
95	10.9E	9.5Z	46 57.937	-0.0005	12	-50 32 28.05	-0.012	12	0.72	57.960	45	02.3	27.47	45	02.3	K	CZ	9851	P -50 4535
96	12.3E	9.8M	46 58.173	-0.0002	12	-50 32 20.70	-0.011	12	0.72	58.182	45	02.3	20.17	45	02.3	K	CZ	9852	P -50 4536
97	8.6	8.7W	46 58.644	-0.0000	07	-55 13 42.49	-0.005	07	0.18	58.644	15	38.3	42.43	18	38.3	A2	C9	4451	P*-54 4786
98		8.2T	47 4.065	-0.0007	17	-50 29 4.55	0.005	12	0.75	4.095	24	03.6	4.81	21	98.2	K0	GC	16198	C -50 6385
99	9.6	9.4W	47 7.230	-0.0033	08	-52 13 21.05	-0.020	08	0.19	7.269	15	38.3	20.82	18	38.3	F5	C9	4452	P -51 4497
00	9.7		47 12.232	-0.0033	07	-57 13 35.36	-0.028	07	0.14	12.244	14	46.4	35.26	14	46.4	B9	C0	3583	P -56 4807

239400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 11H DM NUMBER
1	9.6	8.9W	11 47 13.106	-0.0088	07	-53 45 32.18	0.004	07	0.18	13.209	15	38.3	32.23	18	38.3	KO	C9	4453	P -53 4785
2	10.0	8.8W	47 14.938	0.0008	06	-52 48 6.07	-0.005	06	0.18	14.929	15	38.3	6.02	18	38.3	KO	C9	4454	P -52 4900
3	9.1E	9.4Z	47 15.025	0.0015	12	-51 35 25.84	-0.016	12	0.85	14.949	63	00.4	25.05	57	00.4	KO	CZ	9856	P -51 4498
4		7.1T	47 15.248	-0.0023	15	-50 26 33.48	-0.001	12	0.71	15.357	18	01.5	33.43	18	98.3	KO	GC	16202	C*-50 6387
5	8.7E	8.7Z	47 15.542	-0.0039	12	-50 51 27.28	-0.001	12	0.72	15.727	45	02.3	27.24	45	02.3	A2	CZ	9858	P -50 4535
6	8.6	8.7W	47 16.647	-0.0036	06	-58 59 37.31	-0.012	06	0.14	16.660	14	46.4	37.26	14	46.4	A0	C0	3584	P -58 3868
7	8.8	8.6W	47 20.209	-0.0034	07	-51 55 2.85	-0.020	07	0.18	20.249	15	38.3	2.62	18	38.3	F2	C9	4455	P -51 4501
8	8.3	8.2W	47 21.990	-0.0033	07	-54 13 55.77	0.013	07	0.18	22.029	15	38.3	55.93	18	38.3	A2	C9	4456	P -53 4786
9	9.1	9.0W	47 29.702	-0.0129	07	-55 59 38.67	0.023	07	0.18	29.853	15	38.3	38.94	18	38.3	F2	C9	4457	P -55 4665
10	8.7E	8.0Z	47 29.910	-0.0046	12	-50 3 16.48	-0.020	12	0.65	30.132	31	01.9	15.52	28	01.9	KO	CZ	9865	P -49 4526
11	9.6		47 31.584	-0.0013	06	-59 51 36.39	-0.009	06	0.14	31.589	14	46.4	36.36	14	46.4	A	C0	3585	P -59 3838
12		7.6T	47 34.822	-0.0036	11	-51 25 21.32	-0.013	08	0.42	34.968	15	09.4	20.75	15	05.3	A0	GC	16207	C -51 6084
13	9.4	7.8W	47 34.915	-0.0025	06	-56 46 7.96	-0.001	06	0.14	34.924	14	46.4	7.96	14	46.4	K2	C0	3586	P -56 4812
14	8.6	8.7W	47 35.248	-0.0043	06	-52 48 21.02	0.008	06	0.18	35.299	15	38.3	21.12	18	38.3	A2	C9	4458	P -52 4906
15	9.6	9.4W	47 38.777	-0.0017	13	-57 2 27.65	0.002	13	0.15	38.784	14	46.4	27.66	14	46.4	F5	C0	3587	P -56 4815
16	8.8	8.9W	47 44.277	-0.0008	06	-59 4 31.49	-0.009	06	0.14	44.280	14	46.4	31.46	14	46.4	B9	C0	3588	P -58 3875
17	9.7E	9.0Z	47 46.728	-0.0037	12	-51 11 33.26	-0.004	12	0.72	46.904	45	02.3	33.08	45	02.3	K0	CZ	9869	P -50 4542
18	9.7E	9.5Z	47 48.069	-0.0020	12	-51 53 31.01	-0.004	12	0.85	48.167	63	00.4	30.80	57	00.4	A0	CZ	9870	P -51 4506
19	9.5E	8.5Z	48 0.600	-0.0033	12	-50 39 55.08	0.014	12	0.72	0.757	45	02.3	55.75	45	02.3	K2	CZ	9873	P -50 4545
20	9.4	9.6W	48 1.164	-0.0024	07	-58 29 17.82	-0.017	07	0.14	1.172	14	46.4	17.76	14	46.4	A0	C0	3589	P*-58 3877
21	9.7E	8.5Z	48 5.690	-0.0022	12	-50 40 45.39	-0.011	12	0.72	5.794	45	02.3	44.87	45	02.3	K0	CZ	9874	P -50 4547
22	9.0	9.2W	48 8.294	-0.0023	07	-57 56 55.87	-0.001	07	0.14	8.303	14	46.4	55.86	14	46.4	A0	C0	3590	P -57 5039
23		8.3T	48 15.013	-0.0024	13	-57 33 10.21	-0.009	10	0.55	15.126	18	06.6	9.78	17	02.9	A0	GC	16217	P -57 5042
24	9.9	9.0W	48 16.109	-0.0051	07	-53 22 14.83	-0.018	07	0.18	16.169	15	38.3	14.62	18	38.3	K0	C9	4459	P -52 4917
25	9.1	9.0W	48 22.794	-0.0067	07	-55 36 33.71	-0.006	07	0.18	22.873	15	38.3	33.63	18	38.3	F5	C9	4460	P -55 4673
26	9.6	9.4W	48 24.300	0.0001	07	-54 36 25.77	0.014	07	0.18	24.299	15	38.3	25.93	18	38.3	F0	C9	4461	P -54 4804
27	8.1	7.7W	48 35.716	0.0076	06	-59 53 55.02	0.040	06	0.14	35.689	14	46.4	55.16	14	46.4	F8	C0	3592	P -59 3858
28	9.4	9.4W	48 38.178	-0.0035	14	-54 13 39.41	-0.007	14	0.23	38.219	15	38.3	39.33	18	38.3	A3	C9	4462	P -53 4793
29	9.7	9.7W	48 39.003	-0.0005	07	-53 9 26.84	0.024	07	0.18	39.009	15	38.3	27.12	18	38.3	A0	C9	4463	P -52 4932
30	8.3E	8.6Z	48 39.342	-0.0063	12	-51 35 46.81	-0.085	12	0.85	39.652	63	00.4	42.61	57	00.4	G5	CZ	9886	P -51 4525
31	8.0E	7.5Z	48 49.741	-0.0013	12	-51 49 43.52	-0.007	12	0.67	49.805	31	99.8	43.16	31	99.8	K2	CZ	9889	P -51 4527
32	9.4	9.7W	48 59.616	-0.0020	09	-57 31 8.59	0.018	09	0.14	59.623	14	46.4	8.66	14	46.4	A0	C0	3593	P -57 5057
33	9.9E	8.9Z	49 4.782	-0.0031	12	-51 24 37.60	0.012	12	0.85	4.936	63	00.4	38.21	57	00.4	K5	CZ	9896	P -50 4562
34	9.4	9.8W	49 14.546	-0.0022	13	-57 20 21.43	0.009	13	0.15	14.554	14	46.4	21.46	14	46.4	A0	C0	3594	P -56 4830
35		8.4T	49 14.704	0.0006	13	-51 12 30.40	-0.028	12	0.67	14.674	19	99.9	28.92	18	96.8	A2	GC	16238	C -50 6415
36	10.0	9.2W	49 23.516	-0.0019	07	-53 10 42.35	-0.011	07	0.18	23.539	15	38.3	42.22	18	38.3	K0	C9	4464	P -52 4949
37		8.4T	49 32.197	-0.0036	13	-54 7 51.17	0.002	10	0.60	32.366	21	03.2	51.04	17	99.9	A2	GC	16242	P -53 4799
38	9.4	9.8W	49 38.898	-0.0018	07	-53 29 36.37	0.012	07	0.18	38.919	15	38.3	36.52	18	38.3	A0	C9	4466	P -53 4801
39	9.2	9.7W	49 38.914	-0.0024	07	-57 58 32.93	-0.019	07	0.14	38.922	14	46.4	32.86	14	46.4	A0	C0	3595	P -57 5067
40	8.9	8.8W	49 40.031	-0.0026	07	-58 46 28.53	-0.018	07	0.14	40.040	14	46.4	28.46	14	46.4	A2	C0	3596	P -58 3890
41	9.4E	9.0Z	49 40.210	-0.0022	12	-51 24 29.93	-0.004	12	0.85	40.320	63	00.4	29.74	57	00.4	K0	CZ	9905	P -50 4576
42		8.8T	49 40.936	-0.0008	17	-57 31 21.03	-0.005	12	0.64	40.970	21	09.4	20.81	19	07.0	K0	GC	16245	P -57 5068
43		5.7T	49 41.143	-0.0142	07	-56 42 35.93	0.029	05	0.29	41.787	12	10.1	37.23	12	04.6	A2	GC	16246K	P -56 4836
44	10.1E	9.1Z	49 47.149	-0.0032	12	-50 44 47.11	-0.001	12	0.72	47.301	45	02.3	47.06	45	02.3	K2	CZ	9906	P -50 4578
45		6.8T	49 47.660	0.0001	14	-51 2 10.54	-0.034	11	0.68	47.655	22	00.6	8.68	19	94.9	K0	GC	16247	C -50 6428
46	10.1		49 53.059	-0.0002	12	-59 18 29.25	-0.024	12	0.15	53.060	14	46.4	29.16	14	46.4	A3	C0	3599	P -58 3892
47	8.9	9.3W	49 56.916	-0.0020	07	-56 57 11.73	-0.018	07	0.14	56.924	14	46.4	11.66	14	46.4	A0	C0	3600	P -56 4841
48	9.5	9.8W	50 0.334	-0.0064	07	-53 33 40.83	0.000	07	0.18	0.409	15	38.3	40.83	18	38.3	A0	C9	4467	P -53 4807
49	9.1	9.1W	50 5.865	0.0014	14	-54 39 37.60	0.011	14	0.23	5.849	15	38.3	37.73	18	38.3	A2	C9	4468	P*-54 4812
50	8.7	9.0W	50 7.615	-0.0063	08	-52 59 42.48	-0.022	08	0.19	7.689	15	38.3	42.22	18	38.3	A0	C9	4469	P -52 4964
51	8.5	7.4W	11 50 12.174	-0.0055	07	-52 13 7.43	-0.035	07	0.18	12.239	15	38.3	7.02	18	38.3	K0	C9	4470	P -51 4554
52	8.9	8.8W	50 13.848	-0.0001	07	-52 42 57.00	0.001	07	0.18	13.849	15	38.3	57.02	18	38.3	F2	C9	4471	P -52 4966
53	9.2	9.3W	50 15.943	-0.0031	07	-52 33 12.44	-0.019	07	0.18	15.979	15	38.3	12.22	18	38.3	A0	C9	4472	P -52 4967
54	9.0	9.3W	50 23.291	-0.0024	06	-59 17 26.69	-0.008	06	0.14	23.300	14	46.4	26.66	14	46.4	A0	C0	3601	P -58 3897
55	8.7E	9.3Z	50 24.199	-0.0004	12	-50 48 42.21	-0.021	12	0.64	24.218	28	01.1	41.19	26	01.1	F0	CZ	9913	P -50 4590
56	9.9E	9.4Z	50 27.667	-0.0034	12	-50 30 44.48	0.011	12	0.68	27.831	36	01.7	45.01	36	01.7	K0	CZ	9915	P -50 4592
57	9.0	9.1W	50 30.647	-0.0008	07	-59 29 30.70	-0.010	07	0.14	30.650	14	46.4	30.66	14	46.4	B8	C0	3602	P -59 3893
58	8.4	8.2W	50 35.152	-0.0084	06	-57 58 30.02	-0.015	06	0.14	35.182	14	46.4	29.96	14	46.4	F5	C0	3603	P -57 5076
59	8.5	8.4W	50 38.107	-0.0050	06	-56 26 55.36	-0.003	06	0.14	38.125	14	46.4	55.35	14	46.4	F0	C0	3604	P -56 4849
60	9.8	9.9W	50 40.259	0.0009	07	-54 43 59.22	0.001	07	0.18	40.249	15	38.3	59.23	18	38.3	B9	C9	4474	P -54 4820
61	9.8E	9.6*	50 40.567	-0.0020	12	-51 40 49.35	-0.006	12	0.67	40.665	31	00.1	49.05	28	00.1	F2	CZ	9919	P -51 4563
62	9.0	9.3W	50 40.823	-0.0031	07	-52 48 51.69	-0.015	07	0.18	40.859	15	38.3	51.52	18	38.3	B8	C9	4475	P -52 4976
63	9.6	10.0W	50 43.241	0.0019	13	-57 22 12.69	-0.009	13	0.15	43.234	14	46.4	12.66	14	46.4	B9	C0	3605	P -56 4852
64	8.6	9.1W	50 47.605	-0.0012	07	-53 38 29.83	0.008	07	0.18	47.619	15	38.3	29.93	18	38.3	A0	C9	4476	P -53 4817
65	9.7	9.7W	50 50.893	-0.0042	13	-59 42 20.35	0.003	13	0.15	50.909	14	46.4	20.36	14	46.4	A2	C0	3606	P -59 3901
66	9.2E	8.4Z	50 56.380	-0.0002	12	-50 25 4.50	-0.021	12	0.72	56.392	45	02.3	3.50	45	02.3	K2	CZ	9920	P -50 4601
67	9.9	9.8W	50 59.870	0.0001	07	-54 40 4.72	0.010	07	0.18	59.869	15	38.3	4.83	18	38.3	F8	C9	4477	P*-54 4825
68	9.6	10.0W	51 7.559	0.0004	07	-55 1 41.53	0.009	07	0.18	7.554	15	38.3	41.63	18	38.3	A0	C9	4478	P -54 4826
69	8.7	8.8W	51 11.013	-0.0016	07	-59 59 18.81	-0.014	07	0.14	11.018	14	46.4	18.76	14	46.4	B5	C0	3607	P -59 3910
70	9.1	9.3W	51 25.712	-0.0021	07	-59 16 4.44	0.005	07	0.14	25.720	14	46.4	4.46	14	46.4	B8	C0	3608	P -58 3908
71	8.8	9.1W	51 27.294	-0.0028	07	-56 34 54.56	-0.000	07	0.14	27.304	14	46.4	54.56	14	46.4	B9	C0	3609	P -56 4859
72	9.6	9.9W	51 30.318	-0.0012	07	-58 14 34.08	-0.005	07	0.14	30.322	14	46.4	34.06	14	46.4	B9	O C0	3610	P -57 5086
73	9.9E	9.7Z	51 30.992	0.0011	12	-51 24 12.65	-0.019	12	0.85	30.938	63	00.4	11.71	57	00.4	A5	CZ	9929	P -50 4612
74	9.4	8.6W	51 39.320	0.0010	07	-54 54 5.09	-0.013	07	0.18	39.309	15	38.3	4.93	18	38.3	K0	C9	4479	P -54 4830
75		6.3T	51 41.059	-0.0015	12	-57 7 54.10	0.001	07	0.53	41.147	21	02.7	54.13	18	91.1	A0	GC	16279	P -56 4861
76	9.1	9.1W	51 44.918	-0.0043	06	-53 11 13.75	0.006	06	0.18	44.969	15	38.3	13.82	18	38.3	A2	C9	4480	P -52 4992
77	9.5	10.1W	51 46.526	-0.0019	14	-52 12 28.27	-0.022	14	0.23	46.549	15	38.3	28.02	18	38.3	B9	C9	4481	P -51 4582
78	9.5	8.5W	51 51.603	-0.0026	07	-58 23 25.84	-0.021	07	0.14	51.612	14	46.4	25.76	14	46.4	K0	C0	3612	P -57 5095
79	9.5	9.2W	51 54.497	-0.0044	07	-54 18 21.58	0.004	07	0.18	54.549	15	38.3	21.63	18	38.3	F8	C9	4482	P -53 4827
80		7.0T	51 55.946	-0.0030	13	-56 41 28.50	0.002	12	0.65	56.100	21	02.1	28.58	19	98.6	M0	GC	16281	P -56 4863
81	9.7	10.0W	51 56.622	-0.0003	14	-57 32 5.51	0.014	14	0.15	56.623	14	46.4	5.56	14	46.4	A0	C0	3614	P -57 5096
82	9.3	8.9W	52 2.694	-0.0064	06	-54 21 21.02	-0.016	06	0.18	2.769	15	38.3	20.83	18	38.3	G0	C9	4483	P -53 4829
83	9.3	9.1W	52 4.760	-0.0033	07	-54 27 14.61	0.001	07	0.18	4.799	15	38.3	14.63	18	38.3	F	C9	4484	P -54 4836
84	9.1	9.1W	52 5.592	0.0020	07	-54 23 46.15	0.007	07	0.18	5.569	15	38.3	46.23	18	38.3	A3	C9	4485	P*-53 4832
85	9.2	9.3W	52 26.120	-0.0027	07	-58 55 41.33	-0.018	07	0.14	26.130	14	46.4	41.26	14	46.4	B9	C0	3615	P -58 3923
86	9.9	10.3W	52 28.667	-0.0053	07	-52 30 14.98	-0.014	07	0.18	28.729	15	38.3	14.82	18	38.3	F0	C9	4486	P -52 5012
87		6.9T	52 29.099	0.0241	12	-55 48 54.71	-0.205	10	0.59	27.838	19	00.0	43.97	17	97.7	G0	GC	16293K	P*-55 4711
88	9.1	9.2W	52 51.248	-0.0045	13	-57 3 42.38	-0.005	13	0.15	51.264	14	46.4	42.36	14	46.4	A2	C0	3616	P -56 4875
89	9.2	8.3W	52 53.411	-0.0021	07	-59 43 23.53	0.008	07	0.14	53.419	14	46.4	23.56	14	46.4	K0	C0	3617	P -59 3935
90	9.9E	9.0*	52 56.112	-0.0050	12	-51 11 43.13	-0.010	12	0.65	56.356	31	01.3	42.65	28	01.3	G0	CZ	9951	P -50 4638
91		7.8T	52 57.104	-0.0050	18	-52 57 40.70	-0.034	12	0.72	57.321	22	06.4	39.10	21	03.5	K0	GC	16308	P -52 5018
92	9.1	9.3W	52 57.973	-0.0002	13	-57 19 8.79	0.019	13	0.15	57.974	14	46.4	8.86	14	46.4	A0	C0	3618	P -56 4878
93	9.7E	9.6Z	53 2.703	-0.0016	12	-51 23 33.96	-0.012	12	0.85	2.783	63	00.4	33.37	57	00.4	A2	CZ	9952	P -50 4642
94	9.4E	8.0Z	53 6.068	0.0001	12	-51 28 56.47	-0.016	12	0.85	6.063	63	00.4	55.68	57	00.4	K5	CZ	9953	P -51 4612
95	10.3	9.8W	53 6.250	-0.0008	14	-52 12 36.40	-0.050	14	0.23	6.259	15	38.3	35.82	18	38.3	G5	C9	4489	P -51 4611
96		9.6T	53 12.912	-0.0050	16	-57 42 29.13	-0.017	14	0.66	13.119	19	08.4	28.42	19	08.4	A5	GC	16313K	P*-57 5105
97	9.4	9.6W	53 18.432	-0.0035	13	-56 56 43.71	-0.012	13	0.15	18.444	14	46.4	43.66	14	46.4	A0	C0	3620	P -56 4886
98	10.2		53 21.468	0.0008	12	-52 57 19.12	-0.035	12	0.22	21.399	15	38.3	18.72	18	38.3	A2	C9	4491	P -52 5022
99	10.0E	9.0Z	53 21.545	-0.0007	12	-50 41 16.86	-0.009	12	0.65	21.579	31	01.3	16.43	28	01.3	K5	CZ	9955	P -50 4653
00	10.3	9.9W	53 22.522	-0.0305	12	-52 27 30.86	-0.012	12	0.22	22.879	15	38.3	30.72	18	38.3	G0	C9	4492	P -52 5024

239500 | EPOCH 1950 | ORIGINAL EPOCH | -50° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6	9.7W	11 53 24.265	-0.0000	07	-56 28 34.56	-0.004	07	0.14	24.265	14	46.4	34.55	14	46.4	A0	C0	3621	P -56 4887
2	8.0	8.3W	53 31.092	-0.0017	07	-59 55 56.00	-0.011	07	0.14	31.098	14	46.4	55.96	14	46.4	B5	C0	3622	P -59 3942
3	9.6	9.9W	53 33.234	-0.0045	07	-58 59 35.01	-0.013	07	0.14	33.250	14	46.4	34.96	14	46.4	A0	C0	3623	P -58 3935
4	8.4	8.9W	53 36.600	-0.0015	07	-56 9 54.22	0.008	07	0.14	36.605	14	46.4	54.25	14	46.4	B8	C0	3624	P -55 4727
5	10.0	9.8W	53 36.770	0.0066	07	-56 5 3.66	0.032	07	0.18	36.693	15	38.3	4.03	18	38.3	G0	C9	4494	P -55 4728
6	10.3		53 47.606	-0.0019	14	-51 56 57.68	-0.022	14	0.23	47.629	15	38.3	57.42	18	38.3	A2	C9	4495	P*-51 4628
7	8.3	8.2W	53 49.537	-0.0087	06	-53 37 17.02	-0.008	06	0.18	49.638	15	38.3	16.93	18	38.3	F0	C9	4496	P -53 4859
8	8.8	8.6W	53 55.360	-0.0056	06	-58 32 34.01	-0.013	06	0.14	55.380	14	46.4	33.96	14	46.4	F2	C0	3625	P -58 3939
9	9.7E	9.1Z	53 59.541	-0.0133	12	-50 28 52.37	-0.016	12	0.72	0.177	45	02.3	51.62	45	02.3	K0	CZ	9962	P -50 4662
10	10.3E	8.5Z	54 2.551	-0.0018	12	-51 15 54.91	-0.017	12	0.72	2.638	45	02.3	54.11	45	02.3	K2	CZ	9963	P -50 4664
11	9.5	9.6W	54 7.199	-0.0014	13	-56 38 48.80	-0.011	13	0.15	7.204	14	46.4	48.76	14	46.4	B8	C0	3626	P -56 4895
12	9.9	10.2W	54 13.236	-0.0011	12	-54 32 6.55	-0.001	12	0.22	13.249	15	38.3	6.53	18	38.3	A2	C9	4497	P -54 4863
13	10.1	8.8W	54 19.278	-0.0018	07	-53 13 44.24	-0.028	07	0.18	19.299	15	38.3	43.92	18	38.3	K0	C9	4498	P -52 5041
14	9.6	8.4W	54 20.647	-0.0126	06	-58 8 14.12	0.011	06	0.14	20.692	14	46.4	14.16	14	46.4	K2	C0	3627	P -57 5122
15	8.0	8.3W	54 20.921	0.0002	06	-54 13 0.17	-0.012	06	0.18	20.919	15	38.3	0.03	18	38.3	A0	C9	4499	P*-53 4864
16	8.5	8.7W	54 22.664	-0.0012	07	-59 32 34.46	-0.028	07	0.14	22.669	14	46.4	34.36	14	46.4	B5	C0	3628	P -59 3959
17	8.7	9.0W	54 24.798	-0.0013	06	-58 2 22.49	-0.007	06	0.14	24.803	14	46.4	22.46	14	46.4	A0	C0	3629	P -57 5123
18	9.2E	8.5Z	54 29.611	0.0028	12	-51 19 22.16	-0.042	12	0.85	29.472	63	00.4	20.08	57	00.4	K0	CZ	9969	P -50 4672
19	9.5	8.6W	54 31.142	-0.0001	15	-55 38 24.08	0.048	15	0.24	31.143	15	38.3	24.64	18	38.3	K0	C9	4500	P -55 4736
20		6.7T	54 32.259	0.0103	12	-51 49 17.90	-0.016	08	0.53	31.794	18	04.9	17.01	17	95.3	K0	GC	16346	C -51 6208
21	8.6	8.5W	54 36.444	0.0006	07	-58 10 35.47	-0.003	07	0.14	36.442	14	46.4	35.46	14	46.4	A0	C0	3630	P -57 5128
22	9.8	8.6W	54 44.723	0.0000	06	-57 46 27.87	-0.003	06	0.14	44.722	14	46.4	27.86	14	46.4	K2	C0	3631	P -57 5131
23	9.3	9.1W	54 47.124	-0.0030	07	-53 35 19.84	-0.035	07	0.18	47.159	15	38.3	19.43	18	38.3	F0	C9	4501	P -53 4867
24	9.5	9.9W	54 51.137	0.0012	07	-56 6 27.24	-0.009	07	0.18	51.123	15	38.3	27.13	18	38.3	A0	C9	4502	P -55 4739
25	9.2	9.4W	55 6.968	-0.0033	06	-59 17 17.60	-0.012	06	0.14	6.980	14	46.4	17.56	14	46.4	A0	C0	3632	P -58 3949
26	9.1	9.2W	55 13.600	-0.0027	13	-59 20 12.07	-0.004	13	0.15	13.610	14	46.4	12.06	14	46.4	A0	C0	3633	P -58 3952
27	9.6		55 22.615	-0.0038	09	-59 48 6.68	-0.005	09	0.14	22.629	14	46.4	6.66	14	46.4	A0	C0	3634	P -59 3967
28	9.0	8.8W	55 25.686	-0.0063	07	-56 12 57.81	0.011	07	0.14	25.705	14	46.4	57.85	14	46.4	F5	C0	3635	P*-55 4746
29		7.3T	55 28.105	-0.0016	14	-56 35 12.73	-0.015	11	0.64	28.186	21	03.9	11.94	19	99.0	K0	GC	16366	P -56 4914
30	9.4	9.2W	55 33.699	-0.0090	15	-55 25 57.85	0.033	15	0.24	33.804	15	38.3	58.23	18	38.3	F2	C9	4503	P -55 4747
31	7.2	7.5W	55 33.894	-0.0045	07	-59 18 51.28	-0.006	07	0.14	33.910	14	46.4	51.26	14	46.4	B8	C0	3637	P -58 3958
32	9.3	8.8W	55 35.443	-0.0001	07	-55 15 11.71	0.011	07	0.18	35.444	15	38.3	11.83	18	38.3	G5	C9	4504	P -54 4876
33		5.6T	55 42.934	-0.0024	07	-56 2 20.08	-0.005	05	0.25	43.042	07	08.7	19.84	07	04.8	B8	GC	16371	P -55 4751
34	10.2	10.1W	55 44.282	-0.0031	14	-51 57 28.57	-0.022	14	0.23	44.319	15	38.3	28.32	18	38.3	A3	C9	4506	P*-51 4658
35	8.9E	8.5Z	55 45.827	0.0008	12	-51 14 15.13	-0.032	12	0.72	45.789	45	02.3	13.62	45	02.3	G0	CZ	9981	P -50 4697
36	9.5		55 46.024	-0.0017	07	-59 0 51.17	-0.004	07	0.14	46.030	14	46.4	51.16	14	46.4	B8	C0	3639	P -58 3964
37	9.7	9.2W	55 47.202	-0.0057	07	-54 57 38.99	-0.039	07	0.18	47.269	15	38.3	38.54	18	38.3	G5	C9	4507	P -54 4877
38		7.5T	55 48.873	-0.0039	13	-59 28 36.55	-0.010	13	0.60	49.041	19	07.9	36.11	19	07.2	A0	GC	16375	P -59 3971
39	8.9	9.1W	55 49.909	-0.0010	07	-57 42 32.87	-0.004	07	0.14	49.913	14	46.4	32.86	14	46.4	B9	C0	3641	P -57 5142
40	8.8	8.9W	55 58.305	-0.0011	06	-59 34 20.69	-0.007	06	0.14	58.308	14	46.4	20.66	14	46.4	A0	C0	3642	P -59 3972
41	9.1	8.8W	56 5.957	-0.0010	07	-53 10 0.01	0.009	07	0.18	5.969	15	38.3	0.12	18	38.3	F2	C9	4508	P -52 5080
42		7.6T	56 6.408	-0.0029	18	-52 29 25.00	-0.025	13	0.74	6.533	22	06.4	25.84	21	04.2	A2	GC	16380	P -52 5081
43	8.9	9.0W	56 14.469	-0.0020	07	-55 56 14.36	-0.028	07	0.18	14.493	15	38.3	14.03	18	38.3	A2	C9	4510	P -55 4761
44	8.3	8.6W	56 16.283	0.0009	07	-59 22 12.19	-0.009	07	0.14	16.288	14	46.4	12.16	14	46.4	B5	C0	3643	P -58 3978
45	10.0		56 23.852	0.0025	07	-57 41 44.98	-0.005	07	0.14	23.843	14	46.4	44.96	14	46.4	A0	C0	3644	P -57 5152
46	9.3	9.5W	56 28.309	-0.0004	13	-55 21 29.53	0.009	13	0.23	28.314	15	38.3	29.63	18	38.3	A0	C9	4511	P -54 4888
47	8.7	7.8W	56 30.614	0.0005	06	-58 10 4.10	-0.011	06	0.14	30.612	14	46.4	4.06	14	46.4	K0	C0	3645	P -57 5155
48		6.2T	56 37.966	-0.0013	08	-51 25 5.59	-0.008	05	0.30	38.020	09	08.7	5.25	09	06.0	K2	GC	16389	C -51 6236
49	10.8E	9.8W	56 42.111	-0.0027	12	-50 50 31.14	-0.007	12	0.64	42.240	28	01.8	30.81	26	01.8	F5	CZ	9996	P -50 4716
50		6.9T	56 50.906	-0.0080	13	-56 53 20.91	0.001	08	0.58	51.352	21	02.8	20.94	19	94.1	A2	GC	16395	P -56 4926
51	9.8E	8.3*	11 56 55.009	0.0006	12	-50 13 29.76	-0.033	12	0.65	54.981	31	01.0	28.15	28	01.0	K5	CZ	9997	P -49 4714
52	9.0	9.0W	57 0.297	-0.0021	13	-56 23 28.56	0.024	13	0.15	0.305	14	46.4	28.65	14	46.4	A2	C0	3647	P -55 4769
53	8.9E	8.5Z	57 0.933	-0.0032	12	-51 22 36.89	0.009	12	0.85	1.092	63	00.4	37.34	57	00.4	A2	CZ	10000	P -50 4719
54	9.7	10.1W	57 3.549	0.0000	15	-54 52 17.29	0.012	15	0.24	3.549	15	38.3	17.44	18	38.3	B9	C9	4512	P*-54 4893
55	10.4	9.7W	57 3.799	-0.0000	14	-52 12 57.81	-0.008	14	0.23	3.799	15	38.3	57.72	18	38.3	G0	C9	4513	P*-51 4676
56	9.9E	9.0Z	57 4.384	-0.0040	12	-51 22 46.99	0.007	12	0.85	4.583	63	00.4	47.35	57	00.4		CZ	10003	P -50 4722
57	9.1	9.4W	57 4.821	-0.0005	07	-58 3 55.39	-0.009	07	0.14	4.822	14	46.4	55.36	14	46.4	A0	C0	3648	P -57 5164
58	9.6	9.8W	57 11.289	-0.0030	07	-59 21 57.39	-0.008	07	0.14	11.300	14	46.4	57.36	14	46.4	A0	C0	3649	P -58 3995
59	9.6		57 18.818	-0.0034	13	-59 7 54.28	-0.005	13	0.15	18.830	14	46.4	54.26	14	46.4	A0	C0	3650	P -58 3997
60	9.0	9.2W	57 21.593	-0.0006	13	-56 11 37.63	-0.021	13	0.15	21.595	14	46.4	37.55	14	46.4	A0	C0	3651	P -55 4771
61		7.9T	57 23.351	-0.0043	14	-56 0 52.33	0.007	11	0.66	23.574	21	02.9	52.67	19	98.2	B0	GC	16407	P -55 4772
62	8.6	9.0W	57 25.236	-0.0015	07	-55 18 27.51	-0.006	07	0.18	25.254	15	38.3	27.43	18	38.3	A0	C9	4515	P -54 4897
63	9.3E	8.5Z	57 30.961	0.0022	12	-50 4 45.08	-0.035	12	0.73	30.856	45	01.8	43.39	45	01.8	K0	CZ	10009	P -49 4725
64	8.9	8.6W	57 33.817	-0.0053	07	-54 58 35.46	0.024	07	0.18	33.879	15	38.3	35.73	18	38.3	F8	C9	4516	P -54 4900
65	9.9E	9.2Z	57 34.761	-0.0035	12	-50 28 34.36	-0.016	12	0.73	34.932	45	01.8	33.59	45	01.8	K2	CZ	10012	P -50 4730
66	8.8	8.6W	57 36.416	-0.0022	13	-56 50 18.26	-0.000	13	0.15	36.424	14	46.4	18.26	14	46.4	F8	C0	3653	P -56 4938
67	9.8	9.4W	57 39.111	-0.0032	14	-54 40 40.53	0.017	14	0.23	39.149	15	38.3	40.73	18	38.3	F5	C9	4517	P -54 4902
68	8.8	8.0W	57 40.336	-0.0019	06	-52 34 31.83	-0.001	06	0.18	40.359	15	38.3	31.82	18	38.3	K0	C9	4518	P -52 5122
69	9.2	9.0W	57 41.504	0.0000	07	-57 10 49.39	-0.008	07	0.14	41.504	14	46.4	49.36	14	46.4	A3	C0	3654	P -56 4941
70	9.7	8.8W	57 42.408	-0.0103	14	-52 59 30.77	0.030	14	0.23	42.529	15	38.3	31.12	18	38.3	K0	C9	4519	P -52 5123
71	8.6	8.5W	57 46.089	-0.0051	07	-53 38 40.42	0.009	07	0.18	46.149	15	38.3	40.53	18	38.3	F0	C9	4520	P -53 4889
72	9.0	9.0W	57 53.297	-0.0044	07	-53 33 35.88	-0.013	07	0.18	53.349	15	38.3	35.73	18	38.3	A2	C9	4521	P -53 4891
73	9.7	9.3W	57 58.530	-0.0113	15	-56 0 57.89	-0.022	15	0.24	58.663	15	38.3	57.63	18	38.3	F8	C9	4522	P -55 4779
74	9.3	8.3W	57 59.307	-0.0031	07	-59 40 40.61	-0.013	07	0.14	59.318	14	46.4	40.56	14	46.4	G5	C0	3655	P -59 3995
75	9.1	8.0W	58 0.079	0.0014	15	-56 5 49.91	-0.109	15	0.24	0.063	15	38.3	48.64	18	38.3	K2	C9	4523	P -55 4780
76	9.5	10.0W	58 0.504	-0.0000	13	-56 38 32.16	0.029	13	0.15	0.504	14	46.4	32.26	14	46.4	A0	C0	3656	P -56 4943
77	9.6	8.6W	58 5.850	-0.0033	07	-53 46 27.95	0.015	07	0.18	5.889	15	38.3	28.13	18	38.3	K0	C9	4524	P -53 4892
78	9.4	7.9W	58 7.071	0.0067	15	-55 33 54.12	-0.041	15	0.24	6.993	15	38.3	53.63	18	38.3	K2	C9	4525	P -55 4783
79	9.2	9.4W	58 10.341	-0.0006	07	-57 41 56.45	-0.026	07	0.14	10.343	14	46.4	56.36	14	46.4	A0	C0	3657	P -57 5177
80	9.8	9.0W	58 16.215	0.0031	15	-54 26 51.15	-0.019	15	0.24	16.179	15	38.3	50.93	18	38.3	K0	C9	4526	P -54 4906
81	7.7	8.1W	58 16.498	-0.0014	06	-57 47 32.06	0.001	06	0.14	16.503	14	46.4	32.06	14	46.4	B9	C0	3658	P -57 5179
82	9.4	8.3W	58 19.828	-0.0022	07	-55 22 44.07	-0.003	07	0.18	19.854	15	38.3	44.04	18	38.3	K0	C9	4527	P -54 4907
83	9.0	9.3W	58 27.865	-0.0041	06	-59 18 49.30	-0.012	06	0.14	27.880	14	46.4	49.26	14	46.4	B9	C0	3659	P -58 4013
84	9.6	9.8W	58 39.172	-0.0004	07	-57 27 18.25	0.004	07	0.14	39.174	14	46.4	18.26	14	46.4	A2	C0	3660	P -57 5185
85	10.1		58 41.925	-0.0012	14	-52 0 47.04	-0.019	14	0.23	41.939	15	38.3	46.82	18	38.3	A2	C9	4528	P -51 4705
86	9.5	9.6W	58 45.855	-0.0057	13	-56 18 12.50	0.013	13	0.15	45.875	14	46.4	12.55	14	46.4	A2	C0	3661	P -55 4790
87	9.1	9.3W	58 49.228	0.0008	07	-54 58 37.86	-0.019	07	0.18	49.219	15	38.3	37.63	18	38.3	B9	C9	4529	P -54 4917
88	9.4	9.3W	58 53.084	-0.0017	06	-58 37 52.32	0.010	06	0.14	53.090	14	46.4	52.36	14	46.4	A2	C0	3662	P -58 4020
89		6.4T	58 55.600	-0.0087	17	-57 13 30.17	-0.019	09	0.62	56.058	21	03.7	29.15	19	97.4	B9	GC	16434	P -56 4954
90	8.6	8.5W	59 0.705	-0.0012	08	-53 33 25.85	-0.002	08	0.19	0.719	15	38.3	25.83	18	38.3	A5	C9	4530	P -53 4897
91	9.0	9.4W	59 1.876	-0.0045	09	-58 12 16.45	0.002	09	0.14	1.892	14	46.4	16.46	14	46.4	A0	C0	3664	P -57 5190
92	8.9E	8.5Z	59 6.282	-0.0051	12	-51 31 44.06	-0.008	12	0.85	6.534	63	00.4	43.67	57	00.4	A0	CZ	10026	P -51 4714
93	9.5	9.6W	59 6.734	-0.0004	07	-51 56 29.59	-0.040	07	0.18	6.739	15	38.3	29.12	18	38.3	A0	C9	4531	P -51 4715
94	10.3		59 7.116	-0.0019	07	-51 57 4.36	-0.038	07	0.18	7.139	15	38.3	3.92	18	38.3		C9	4532	P -51 4716
95	9.4	9.3W	59 14.542	0.0029	14	-53 41 17.10	-0.006	14	0.23	14.509	15	38.3	17.03	18	38.3	A5	C9	4533	P -53 4898
96	9.8	9.2W	59 18.091	0.0015	15	-55 22 39.98	0.030	15	0.24	18.074	15	38.3	40.34	18	38.3	G0	C9	4534	P -54 4921
97	9.2	9.4W	59 21.245	-0.0038	07	-59 42 14.22	-0.017	07	0.14	21.259	14	46.4	14.16	14	46.4	B9	C0	3665	P -59 4015
98	9.3E	9.0Z	59 21.558	-0.0028	12	-51 52 32.20	-0.008	12	0.85	21.696	63	00.4	31.79	57	00.4	A2	CZ	10030	P -51 4724
99	8.9E	8.5Z	59 29.406	-0.0034	12	-51 32 32.43	-0.013	12	0.85	29.573	63	00.4	31.79	57	00.4	A2	CZ	10032	P -51 4728
00		7.6T	59 41.159	-0.0062	16	-52 15 4.92	-0.016	11	0.69	41.452	22	02.6	4.11	17	00.2	+++	GC	16447	C*-51 6290

239600

EPOCH 1950

ORIGINAL EPOCH

-50° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.6	8.7W	11 59 42.545	-0.0020	07	-52 22 31.89	-0.015	07	0.18	42.569	15	38.3	31.72	18	38.3	K0	C9	4536	P -51 4735
2	9.8	9.6W	59 43.479	-0.0058	07	-58 55 20.75	0.003	07	0.14	43.500	14	46.4	20.76	14	46.4	A2	C0	3666	P -58 4029
3	9.8	9.7W	59 44.593	-0.0035	07	-56 8 35.62	0.010	07	0.14	44.605	14	46.4	35.65	14	46.4	A5	C0	3667	P -55 4805
4	9.7	9.5W	59 46.323	-0.0035	07	-55 17 3.34	0.034	07	0.18	46.364	15	38.3	3.73	18	38.3	F0	C9	4537	P -54 4927
5	9.3	8.8W	59 47.167	-0.0117	07	-59 42 34.41	-0.013	07	0.14	47.209	14	46.4	34.36	14	46.4	G5	C0	3668	P -59 4019
6	9.5	9.4W	59 53.592	-0.0028	06	-57 57 52.04	0.005	06	0.14	53.602	14	46.4	52.06	14	46.4	B	C0	3669	P -57 5199
7		7.6T	59 56.770	-0.0053	13	-56 16 55.22	-0.000	10	0.60	57.047	21	02.8	55.20	18	97.8	A0	GC	16452	P -55 4810
8	8.6	8.0W	59 59.255	0.0121	06	-55 15 15.78	-0.089	06	0.18	59.114	15	38.3	14.73	18	38.3	G5	C9	4538	P -54 4928
9	9.4	9.5W	12 0 1.279	-0.0030	06	-59 3 31.00	-0.011	06	0.14	1.290	14	46.4	30.96	14	46.4	A0	C0	3671	P -58 4033
10	9.6	8.6W	0 8.063	-0.0027	06	-57 48 52.92	-0.016	06	0.14	8.072	14	46.4	52.86	14	46.4	K0	C0	3672	P -57 5204
11	9.0	9.1W	0 14.556	-0.0034	07	-59 53 56.09	-0.008	07	0.14	14.569	14	46.4	56.06	14	46.4	A0	C0	3439	P -59 4026
12		7.0T	0 26.546	-0.0026	14	-56 58 53.49	0.002	10	0.62	26.684	21	03.5	53.57	19	96.5	K0	GC	16461	P -56 4968
13	9.7	9.3W	0 36.691	-0.0163	06	-59 23 14.55	-0.024	06	0.14	36.750	14	46.4	14.46	14	46.4	G0	C0	3675	P -58 4039
14	9.4	8.5W	0 42.101	-0.0032	07	-57 37 19.02	-0.045	07	0.14	42.113	14	46.4	18.86	14	46.4	K0	C0	3676	P -57 5212
15	8.5	8.9W	0 45.208	-0.0030	07	-55 31 27.65	-0.027	07	0.18	45.243	15	38.3	27.34	18	38.3	B9	C9	4539	P -55 4820
16	8.4	7.5W	0 47.520	0.0039	06	-55 2 36.88	0.048	06	0.18	47.474	15	38.3	37.44	18	38.3	K0	C9	4540	P -54 4934
17	10.6E	9.9Z	0 59.547	-0.0045	12	-51 1 29.13	-0.007	12	0.73	59.764	45	01.8	28.80	45	01.8		CZ	10049	P -50 4784
18	12.8E	10.8H	1 0.264	-0.0011	12	-51 1 35.63	-0.013	12	0.73	0.317	45	01.8	35.01	45	01.8		CZ	10050	P -50 4784
19	9.6	8.7W	1 3.507	0.0041	07	-54 24 55.21	-0.050	07	0.18	3.459	15	38.3	54.63	18	38.3	K0	C9	4541	P -53 4913
20	7.9	8.1W	1 3.815	0.0004	07	-57 18 48.43	-0.020	07	0.14	3.814	14	46.4	48.36	14	46.4	A3	C0	3677	P -56 4976
21	10.1	9.1W	1 8.636	-0.0045	07	-58 28 5.07	-0.030	07	0.14	8.652	14	46.4	4.96	14	46.4	G5	C0	3678	P -58 4044
22	9.3	9.6W	1 9.738	-0.0032	07	-59 28 24.62	-0.016	07	0.14	9.750	14	46.4	24.56	14	46.4	A0	C0	3679	P -59 4032
23		8.3T	1 12.098	-0.0018	12	-57 27 51.62	-0.024	09	0.47	12.179	17	09.7	50.52	17	05.0	B8	GC	16476K	P*-57 5217
24		7.8T	1 13.022	-0.0009	13	-54 26 7.59	-0.056	10	0.61	13.065	21	02.5	4.69	19	97.8	F2	GC	16477K	P -54 4935
25		7.1T	1 17.574	-0.0009	12	-53 13 11.62	-0.017	11	0.63	17.617	21	01.5	10.77	19	98.6	G5	GC	16478	P -52 5183
26	9.3E	8.1H	1 21.032	-0.0004	12	-50 31 48.46	-0.003	12	0.73	21.051	45	01.8	48.32	45	01.8	K5	CZ	10056	P -50 4788
27	9.0	9.2W	1 24.904	-0.0024	07	-58 26 38.71	-0.015	07	0.14	24.912	14	46.4	38.66	14	46.4	B8	C0	3681	P -58 4048
28	9.9	9.7W	1 26.320	-0.0036	07	-58 5 3.00	-0.012	07	0.14	26.332	14	46.4	2.96	14	46.4	A2	C0	3682	P -57 5220
29	9.7	9.7W	1 37.454	-0.0047	12	-53 53 18.41	-0.024	12	0.22	37.509	15	38.3	18.13	18	38.3	A0	C9	4545	P -53 4918
30	9.7E	9.6Z	1 38.208	-0.0028	12	-51 46 20.75	-0.013	12	0.85	38.346	63	00.4	20.12	57	00.4	A0	CZ	10062	P -51 4764
31		7.7T	1 40.672	-0.0026	14	-57 5 9.74	-0.019	10	0.61	40.806	21	04.3	8.73	19	98.0	A0	GC	16486	P -56 4984
32		6.8T	1 42.075	-0.0024	13	-51 11 37.57	-0.010	12	0.69	42.195	22	00.2	37.05	21	97.7	A0	GC	16487	C -50 6630
33	10.0	9.6W	1 58.635	-0.0046	09	-52 24 57.29	0.002	09	0.20	58.689	15	38.3	57.32	18	38.3	F8	C9	4546	P -51 4771
34	8.5	9.0W	2 1.298	-0.0017	07	-57 23 11.47	-0.031	07	0.14	1.304	14	46.4	11.36	14	46.4	B9	C0	3684	P -56 4990
35		7.9T	2 2.781	-0.0027	15	-55 9 8.14	0.003	12	0.61	2.905	18	09.4	8.26	19	03.5	A0	GC	16492	P -54 4946
36	9.4	9.6W	2 2.932	-0.0037	07	-56 20 18.38	-0.008	07	0.14	2.945	14	46.4	18.35	14	46.4	A0	C0	3685	P*-55 4828
37	8.7	8.9W	2 3.682	-0.0030	07	-58 13 4.12	-0.017	07	0.14	3.692	14	46.4	4.06	14	46.4	A0	C0	3686	P -57 5227
38	9.1E	8.5Z	2 4.155	-0.0007	12	-51 5 30.19	0.000	12	0.73	4.188	45	01.8	30.20	45	01.8	G5	CZ	10066	P -50 4800
39	8.7	9.0W	2 7.788	-0.0017	07	-56 55 14.12	-0.016	07	0.14	7.794	14	46.4	14.06	14	46.4	A0	C0	3687	P -56 4994
40	10.2E	9.7Z	2 8.135	-0.0025	12	-51 38 6.74	-0.021	12	0.85	8.257	63	00.4	5.71	57	00.4	A0	CZ	10067	P -51 4774
41	9.6E	8.7H	2 8.361	-0.0024	12	-50 16 54.73	-0.019	12	0.73	8.478	45	01.8	53.82	45	01.8	G5	CZ	10068	P -49 4806
42	10.0	9.7W	2 8.885	0.0005	12	-53 40 1.36	-0.037	12	0.22	8.879	15	38.3	0.93	18	38.3	G0	C9	4548	P -53 4921
43	8.6	8.5W	2 9.629	-0.0034	06	-52 4 32.71	-0.025	06	0.18	9.669	15	38.3	32.42	18	38.3	F2	C9	4549	P -51 4775
44		6.5T	2 10.050	-0.0054	12	-58 58 28.86	-0.008	09	0.51	10.311	18	06.2	28.47	17	02.1	B9	GC	16498	P -58 4058
45	8.2E	8.9Z	2 16.160	-0.0042	12	-50 34 30.55	-0.015	12	0.65	16.365	31	00.9	29.81	28	00.9	A2	CZ	10070	P -50 4802
46	10.1	9.8W	2 17.455	-0.0046	11	-52 7 46.42	-0.026	11	0.21	17.509	15	38.3	46.12	18	38.3	F0	C9	4550	P -51 4776
47	8.7	8.4W	2 22.210	-0.0025	06	-59 34 42.24	0.006	06	0.14	22.218	14	46.4	42.26	14	46.4	F5	C0	3689	P -59 4044
48		7.4T	2 28.534	-0.0033	12	-50 54 45.99	0.015	12	0.65	28.695	19	01.2	46.80	21	96.8	K2	GC	16506	C -50 6641
49	9.0	9.1W	2 32.686	-0.0011	07	-53 19 51.42	0.008	07	0.18	32.699	15	38.3	51.52	18	38.3	A0	C9	4551	P -52 5197
50	8.6	8.6W	2 43.549	-0.0037	07	-57 48 14.85	0.004	07	0.14	43.562	14	46.4	14.86	14	46.4	A2	C0	3690	P -57 5234
51	9.7	9.6W	12 2 48.751	0.0024	15	-55 46 45.71	-0.032	15	0.24	48.723	15	38.3	45.34	18	38.3	A5	C9	4552	P -55 4836
52	9.7E	8.5*	2 51.007	-0.0033	12	-51 10 55.62	0.014	12	0.65	51.170	28	00.8	56.29	26	00.8	K2	CZ	10078	P -50 4816
53	9.1E	8.5Z	2 51.703	-0.0082	12	-51 23 11.70	-0.036	12	0.74	52.110	45	00.4	9.89	45	00.4	F5	CZ	10079	P -50 4817
54	10.8	9.2W	2 57.309	-0.0030	07	-55 5 53.29	-0.005	07	0.18	57.344	15	38.3	53.24	18	38.3	K5	C9	4553	P -54 4951
55	9.2	9.5W	3 0.444	-0.0045	07	-59 29 30.71	0.014	07	0.14	0.460	14	46.4	30.76	14	46.4	A0	C0	3691	P -59 4048
56	8.8	9.0W	3 8.425	-0.0013	07	-58 51 21.35	0.004	07	0.14	8.430	14	46.4	21.36	14	46.4	A0	C0	3692	P -58 4075
57	9.3E	8.5Z	3 12.257	-0.0048	12	-50 43 28.02	0.001	12	0.73	12.488	45	01.8	28.08	45	01.8	G5	CZ	10083	P -50 4822
58	10.2E	9.0Z	3 17.373	-0.0055	12	-51 36 12.95	0.019	12	0.67	17.648	31	99.8	13.88	31	99.8	K0	CZ	10084	P -51 4799
59	10.1	9.7W	3 21.360	-0.0050	14	-52 10 44.99	-0.006	14	0.23	21.419	15	38.3	44.92	18	38.3	F8	C9	4554	P -51 4802
60	9.8	8.3W	3 23.837	0.0016	07	-54 45 53.73	-0.042	07	0.18	23.819	15	38.3	53.23	18	38.3	K2	C9	4555	P -54 4958
61	8.5	8.7W	3 25.096	-0.0007	07	-55 5 21.73	-0.000	07	0.18	25.104	15	38.3	21.73	18	38.3	A2	C9	4556	P -54 4959
62		7.2T	3 25.417	0.0051	10	-53 58 47.09	0.013	08	0.54	25.158	21	99.1	47.85	18	93.4	K0	GC	16529	P -53 4930
63	9.9	9.3W	3 34.679	-0.0025	07	-52 27 1.29	-0.032	07	0.18	34.709	15	38.3	0.92	18	38.3	F8	C9	4558	P -52 5214
64	9.1	8.0W	3 36.086	0.0003	07	-55 52 45.53	0.001	07	0.18	36.083	15	38.3	45.53	18	38.3	K0	C9	4559	P -55 4843
65		7.8T	3 43.906	-0.0015	17	-58 51 59.34	-0.023	17	0.72	43.968	19	08.8	58.39	18	09.0	A2	GC	16543	P -58 4079
66	9.0	9.3W	3 47.260	-0.0033	07	-58 29 11.53	-0.019	07	0.14	47.272	14	46.4	11.46	14	46.4	B9	C0	3694	P -58 4080
67	10.0	8.2W	4 1.337	0.0024	07	-54 47 32.28	-0.004	07	0.18	1.309	15	38.3	32.23	18	38.3	MA	C9	4560	P -54 4969
68	9.5	8.4W	4 9.384	-0.0016	07	-59 28 30.80	-0.040	07	0.14	9.390	14	46.4	30.66	14	46.4	K2	C0	3695	P -59 4054
69	9.4	8.2W	4 9.780	-0.0007	07	-54 44 56.61	-0.023	07	0.18	9.789	15	38.3	56.34	18	38.3	G5	C9	4561	P -54 4970
70	9.2	9.4W	4 15.518	-0.0017	13	-56 37 14.48	-0.033	13	0.15	15.524	14	46.4	14.36	14	46.4	A2	C0	3696	P -56 5015
71	8.6	8.7W	4 16.183	0.0009	06	-59 18 46.97	-0.001	06	0.14	16.180	14	46.4	46.96	14	46.4	A0	C0	3697	P -58 4085
72	9.3	9.0W	4 21.800	-0.0119	07	-53 45 13.21	0.010	07	0.18	21.939	15	38.3	13.33	18	38.3	G5	C9	4562	P -53 4943
73	8.6	8.8W	4 22.232	-0.0029	07	-58 1 44.06	-0.029	07	0.14	22.243	14	46.4	43.96	14	46.4	A0	C0	3698	P -57 5253
74	8.8	8.6W	4 24.293	-0.0048	07	-59 24 57.67	-0.030	07	0.14	24.310	14	46.4	57.56	14	46.4	F0	C0	3699	P -58 4087
75	9.0	8.8W	4 27.343	-0.0006	07	-56 14 27.31	-0.015	07	0.14	27.345	14	46.4	27.25	14	46.4	F2	C0	3700	P -55 4853
76	9.2E	8.5*	4 33.891	-0.0020	12	-50 10 31.41	-0.013	12	0.64	33.988	31	02.6	30.81	28	02.6	G5	CZ	10094	P -49 4851
77	8.4	8.7W	4 37.363	0.0002	06	-58 19 29.75	0.002	06	0.14	37.362	14	46.4	29.76	14	46.4	A0	C0	3701	P -57 5257
78	9.8	8.9W	4 37.755	-0.0012	07	-52 3 29.00	-0.033	07	0.18	37.769	15	38.3	28.62	18	38.3	K0	C9	4564	P -51 4839
79	8.5	8.4W	4 40.762	-0.0023	07	-52 25 33.57	-0.013	07	0.18	40.789	15	38.3	33.42	18	38.3	F2	C9	4565	P -52 5235
80	9.3	8.3W	4 42.229	-0.0043	07	-57 17 8.76	-0.027	07	0.14	42.244	14	46.4	8.66	14	46.4	K2	C0	3702	P -56 5022
81	8.6	8.7W	4 45.167	-0.0071	07	-58 18 16.61	-0.014	07	0.14	45.192	14	46.4	16.56	14	46.4	A2	C0	3703	P -57 5260
82	8.9E	8.5Z	4 55.703	-0.0091	12	-51 1 21.91	0.004	12	0.73	56.142	45	01.8	22.08	45	01.8	F2	CZ	10099	P -50 4845
83	7.9	8.3W	5 14.465	-0.0015	06	-59 0 53.20	0.016	06	0.14	14.470	14	46.4	53.26	14	46.4	B8	C0	3704	P -58 4094
84	9.8E	9.0Z	5 16.942	-0.0018	12	-50 38 47.70	0.003	12	0.73	17.029	45	01.8	47.86	45	01.8	A2	CZ	10102	P -50 4849
85	8.8	8.8W	5 23.770	-0.0034	07	-58 28 29.18	-0.006	07	0.14	23.782	14	46.4	29.16	14	46.4	A5	C0	3705	P -58 4095
86		6.5T	5 28.843	-0.0040	12	-50 29 5.71	-0.001	08	0.57	29.039	18	00.6	5.65	19	90.8	B9	GC	16575	C*-50 6688
87		4.8T	5 29.234	-0.0038	06	-50 22 58.11	-0.013	05	0.26	29.384	10	10.0	57.54	10	06.4	B5	GC	16576	C*-49 6813
88	10.1	9.0W	5 41.296	-0.0028	07	-52 18 44.01	-0.016	07	0.18	41.329	15	38.3	43.82	18	38.3	G5	C9	4566	P -51 4859
89		2.9H	5 45.446	-0.0034	02	-50 26 38.33	-0.012	02	0.09	45.571	05	13.4	37.85	05	11.7	B3P	F4	452	C -50 6697
90	9.2	9.6W	5 48.712	-0.0035	07	-56 57 59.09	-0.036	07	0.14	48.724	14	46.4	58.96	14	46.4	A0	C0	3706	P -56 5030
91	8.3	8.5W	5 51.010	-0.0002	07	-56 0 30.22	0.018	07	0.18	51.013	15	38.3	30.43	18	38.3	A0	C9	4567	P -55 4871
92	9.1E	8.7Z	5 59.337	-0.0014	12	-51 50 1.81	-0.002	12	0.85	59.406	63	00.4	1.72	57	00.4	A0	CZ	10113	P -51 4866
93	8.9	8.7W	6 0.492	-0.0049	07	-59 12 35.24	0.006	07	0.14	0.510	14	46.4	35.26	14	46.4	F5	C0	3707	P -58 4104
94	10.2E	9.2Z	6 0.590	-0.0040	12	-50 46 13.88	-0.004	12	0.73	0.783	45	01.8	13.71	45	01.8	K0	CZ	10114	P -50 4867
95	8.8E	8.5Z	6 2.707	-0.0020	12	-51 15 28.10	-0.006	12	0.73	2.803	45	01.8	27.79	45	01.8	K0	CZ	10115	P -50 4868
96	9.6	9.8W	6 7.459	-0.0027	12	-59 38 1.02	0.011	12	0.15	7.468	14	46.4	1.06	14	46.4	B8	C0	3708	P -59 4075
97	9.5	9.3W	6 17.504	-0.0017	07	-55 27 0.10	0.012	07	0.18	17.524	15	38.3	0.23	18	38.3	F0	C9	4568	P -55 4874
98	9.9	10.1W	6 22.202	-0.0023	11	-54 5 30.56	0.014	11	0.21	22.229	15	38.3	30.73	18	38.3	A0	C9	4569	P -53 4954
99		8.7T	6 29.861	-0.0068	26	-50 52 8.01	-0.060	26	1.17	30.167	21	05.0	5.32	21	05.0	A2	GC	16596	C -50 6710
00	9.5	9.5W	6 37.495	-0.0019	07	-58 25 53.95	-0.025	07	0.14	37.502	14	46.4	53.86	14	46.4	A5	C0	3709	P -58 4111

239700

	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-50° 12H		
NUMBER	MAGNITUDES			α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v		h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1	9.9	9.8W	12	6 40.364		-0.0009	15	-55 8	32.22	-0.027	15	0.24	40.374	15	38.3	32.53	18	38.3	A0	C9	4570	P -54 5066
2		7.4T		6 45.834		-0.0025	14	-59 29	28.34	-0.011	10	0.57	45.955	19	07.3	27.81	18	02.6	B5	GC	16598	P -59 4080
3	9.1E	8.5Z		6 49.205		-0.0025	12	-51 9	58.05	0.006	12	0.73	49.327	45	01.8	58.32	45	01.8	A0	CZ	10127	P -50 4882
4	9.5E	9.0Z		6 49.948		-0.0040	12	-51 10	7.98	0.028	12	0.73	50.142	45	01.8	9.31	45	01.8		CZ	10128	P -50 4883
5	10.4	8.9W		6 54.120		0.0001	07	-53 3	23.87	0.004	07	0.18	54.119	15	38.3	23.92	18	38.3	K0	C9	4571	P*-52 5281
6		7.5T		6 59.806		-0.0021	12	-51 51	57.71	-0.024	10	0.63	59.914	22	98.1	56.35	19	94.0	B9	GC	16606	C -51 6417
7	7.4	7.5W		7 1.355		-0.0049	06	-58 4	16.39	-0.008	06	0.14	1.373	14	46.4	16.36	14	46.4	A2	C0	3711	P -57 5277
8	8.3E	8.5Z		7 4.208		-0.0034	12	-51 34	23.17	-0.005	12	0.85	4.375	63	00.4	22.90	57	00.4	A2	CZ	10133	P -51 4889
9	10.3	9.8W		7 5.661		0.0002	15	-53 9	28.65	-0.011	15	0.24	5.659	15	38.3	28.52	18	38.3	G0	C9	4572	P -52 5283
10		6.9T		7 9.679		-0.0013	12	-51 30	20.34	-0.002	10	0.59	9.743	18	99.8	20.22	18	97.2	F8	GC	16609K	C*-51 6419
11	9.2	9.2W		7 11.394		0.0005	14	-52 8	37.65	-0.020	14	0.23	11.389	15	38.3	37.42	18	38.3	A2	C9	4573	P -51 4893
12	9.3	9.4W		7 13.891		-0.0025	06	-58 41	49.04	0.007	06	0.14	13.900	14	46.4	49.06	14	46.4	A0	C0	3712	P*-58 4119
13	9.4	9.6W		7 23.029		-0.0013	07	-57 29	12.65	-0.026	07	0.14	23.034	14	46.4	12.56	14	46.4	A0	C0	3713	P -57 5284
14	9.6	9.0W		7 31.168		-0.0183	11	-56 42	42.50	-0.011	11	0.15	31.234	14	46.4	42.46	14	46.4	G5	C0	3714	P -56 5055
15	8.3	8.2W		7 44.123		0.0055	06	-54 50	58.51	-0.041	06	0.18	44.059	15	38.3	58.04	18	38.3	F2	C9	4574	P -54 5020
16		7.2T		8 4.433		-0.0053	14	-56 9	50.61	-0.023	11	0.64	4.705	21	03.9	49.40	19	98.6	A2	GC	16628	P -55 4894
17	9.2	9.3W		8 6.076		-0.0041	07	-58 32	18.42	-0.017	07	0.14	6.090	14	46.4	18.36	14	46.4	A0	C0	3716	P*-58 4133
18	8.1	8.5W		8 7.018		-0.0019	07	-56 25	48.10	-0.013	07	0.14	7.025	14	46.4	48.05	14	46.4	A0	C0	3717	P -56 5064
19	8.6	7.8W		8 7.550		-0.0001	07	-58 59	57.28	-0.005	07	0.14	7.550	14	46.4	57.26	14	46.4	K0	C0	3718	P -58 4135
20	9.7	9.9W		8 11.618		-0.0060	13	-53 34	50.25	-0.019	13	0.23	11.689	15	38.3	50.03	18	38.3	A0	C9	4575	P -53 4971
21	9.9	9.9W		8 15.341		-0.0022	07	-59 37	58.95	0.002	07	0.14	15.348	14	46.4	58.96	14	46.4	A3	C0	3719	P -59 4086
22	8.3	8.6W		8 16.923		-0.0034	06	-56 8	51.22	-0.018	06	0.14	16.935	14	46.4	51.15	14	46.4	A0	C0	3720	P -55 4900
23	9.7	8.8W		8 17.563		0.0008	07	-59 16	38.47	-0.030	07	0.14	17.560	14	46.4	38.36	14	46.4	K0	C0	3721	P -58 4137
24	8.6	8.8W		8 18.860		-0.0015	07	-56 25	1.70	-0.013	07	0.14	18.865	14	46.4	1.65	14	46.4	A2	C0	3722	P -56 5066
25	9.3	9.4W		8 21.779		-0.0014	07	-57 27	50.98	-0.034	07	0.14	21.784	14	46.4	50.86	14	46.4	A0	C0	3723	P -57 5299
26	10.0	9.5W		8 28.032		-0.0117	07	-52 45	37.11	0.018	07	0.18	28.169	15	38.3	37.32	18	38.3	G0	C9	4578	P -52 5302
27		7.5T		8 28.079		-0.0044	16	-56 7	22.72	-0.014	12	0.71	28.297	22	04.6	22.00	19	00.2	A2	GC	16637	P -55 4903
28	10.5	9.9W		8 33.751		-0.0041	11	-53 1	33.66	-0.012	11	0.21	33.799	15	38.3	33.52	18	38.3	F9	C9	4579	P -52 5306
29	9.4	9.5W		8 35.701		-0.0009	07	-57 25	55.43	-0.019	07	0.14	35.704	14	46.4	55.36	14	46.4	A0	C0	3725	P -57 5303
30	7.8	7.9W		8 37.538		-0.0026	06	-51 56	20.87	-0.004	06	0.18	37.569	15	38.3	20.82	18	38.3	A2	C9	4580	P -51 4925
31	9.9	9.8W		8 39.635		0.0015	12	-59 5	20.30	-0.010	12	0.15	39.630	14	46.4	20.26	14	46.4	A0	C0	3726	P -58 4142
32	10.0	8.6W		8 50.671		-0.0035	07	-56 30	35.04	0.005	07	0.14	50.684	14	46.4	35.06	14	46.4	K5	C0	3727	P -56 5077
33	9.3	8.9W		8 53.004		-0.0164	06	-57 58	43.91	-0.042	06	0.14	53.062	14	46.4	43.76	14	46.4	G0	C0	3728	P -57 5306
34	9.5	9.7W		8 53.774		-0.0050	10	-58 27	42.16	0.001	10	0.14	53.792	14	46.4	42.16	14	46.4	A0	C0	3729	P -58 4147
35		6.4T		8 55.006		-0.0221	13	-51 4	49.10	-0.070	09	0.62	56.096	19	00.7	45.31	18	95.7	K0	GC	16646	C -50 6752
36		7.0T		8 59.937		0.0090	16	-54 8	21.76	0.008	12	0.69	59.534	21	05.1	22.18	19	00.5	G0	GC	16649	P -53 4982
37		4.2T		9 1.684		-0.0038	05	-52 5	24.55	-0.019	04	0.25	1.860	10	03.4	23.59	09	00.1	B3	GC	16651	C*-51 6455
38	9.8	10.0W		9 5.638		-0.0009	12	-53 10	58.13	0.007	12	0.22	5.649	15	38.3	58.22	18	38.3	A0	C9	4583	P -52 5315
39	7.6E	7.7H		9 9.969		-0.0034	12	-50 40	42.97	0.010	12	0.72	10.132	45	02.3	43.42	45	02.3	A0	CZ	10164	P -50 4930
40	9.2	7.8W		9 10.683		-0.0022	07	-52 48	54.81	-0.008	07	0.18	10.709	15	38.3	54.72	18	38.3	K2	C9	4584	P -52 5317
41	9.3E	8.5Z		9 18.194		-0.0036	12	-51 8	5.70	-0.027	12	0.72	18.366	45	02.3	4.39	45	02.3	K0	CZ	10167	P -50 4934
42	8.8E	8.6H		9 21.338		-0.0064	12	-50 29	30.66	-0.019	12	0.65	21.652	31	01.3	29.71	28	01.3	F0	CZ	10168	P -50 4938
43	9.0	9.0W		9 24.382		-0.0078	07	-58 44	21.22	0.012	07	0.14	24.410	14	46.4	21.26	14	46.4	A2	C0	3730	P -58 4153
44	9.6	9.4W		9 28.093		0.0008	07	-55 4	45.08	-0.004	07	0.18	28.084	15	38.3	45.04	18	38.3	F0	C9	4585	P -54 5036
45	9.2	9.0W		9 29.945		-0.0070	07	-59 9	51.01	-0.012	07	0.14	29.970	14	46.4	50.96	14	46.4	A3	C0	3731	P -58 4155
46	8.4	8.6W		9 32.076		-0.0040	06	-58 32	24.85	0.002	06	0.14	32.090	14	46.4	24.86	14	46.4	A0	C0	3732	P -58 4156
47	8.7	8.6W		9 34.033		-0.0039	07	-53 57	7.69	-0.014	07	0.18	34.079	15	38.3	7.53	18	38.3	A5	C9	4586	P -53 4986
48	8.4	8.7W		9 41.876		-0.0032	07	-55 18	41.01	-0.015	07	0.18	41.914	15	38.3	40.84	18	38.3	A0	C9	4587	P -54 5040
49	9.2	7.8W		9 42.004		-0.0015	06	-59 14	14.84	0.005	06	0.14	42.010	14	46.4	14.86	14	46.4	K2	C0	3733	P -58 4159
50	9.4	9.1W		9 44.133		-0.0034	07	-56 7	47.87	0.006	07	0.18	44.173	15	38.3	47.93	18	38.3	F5	C9	4588	P -55 4913
51		7.1T	12	9 46.411		-0.0130	12	-59 47	22.64	0.006	09	0.51	47.033	18	09.0	22.91	17	02.1	F0	GC	16670	P -59 4097
52	9.8	9.9W		9 47.772		-0.0010	07	-55 28	40.34	0.017	07	0.18	47.784	15	38.3	40.53	18	38.3	A2	C9	4589	P -55 4914
53		7.6T		9 57.927		-0.0028	14	-52 29	57.60	-0.027	12	0.72	58.064	22	00.5	56.15	19	96.8	A0	GC	16675	P -52 5332
54	9.8	8.9W		10 1.458		-0.0089	07	-59 8	30.48	-0.005	07	0.14	1.490	14	46.4	30.46	14	46.4	G5	C0	3735	P -58 4161
55		7.9T		10 3.664		-0.0010	15	-59 45	45.18	-0.013	11	0.65	3.712	21	05.0	44.52	19	00.6	A0	GC	16678	P -59 4102
56	9.4	9.4W		10 6.698		0.0055	13	-55 4	11.29	-0.006	13	0.23	6.634	15	38.3	11.24	18	38.3	A3	C9	4591	P*-54 5046
57		6.9T		10 12.728		-0.0007	14	-59 22	37.30	0.005	11	0.61	12.764	19	05.8	37.53	18	01.7	K0	GC	16682	P -58 4164
58	10.0	9.1W		10 13.363		0.0012	15	-54 44	46.65	0.007	15	0.24	13.349	15	38.3	46.73	18	38.3	K0	C9	4592	P -54 5048
59	9.4E	9.0H		10 18.180		-0.0004	12	-50 23	33.31	-0.006	12	0.72	18.202	45	02.3	33.05	45	02.3	F5	CZ	10179	P -49 4960
60		8.9T		10 19.092		0.0005	16	-59 23	12.96	-0.017	12	0.68	19.069	21	05.7	12.10	19	00.1	K0	GC	16683	P -58 4165
61	9.7	9.2W		10 24.705		-0.0012	07	-53 18	28.35	-0.028	07	0.18	24.719	15	38.3	28.02	18	38.3	F8	C9	4593	P -52 5347
62	8.5	8.7W		10 25.074		-0.0033	07	-55 43	39.31	-0.015	07	0.18	25.113	15	38.3	39.13	18	38.3	A0	C9	4594	P -55 4921
63	8.3	8.3W		10 35.513		-0.0000	07	-55 47	11.11	0.019	07	0.18	35.513	15	38.3	11.33	18	38.3	F0	C9	4595	P -55 4926
64	9.9	10.0W		10 35.990		-0.0059	12	-53 9	4.07	0.038	12	0.22	36.059	15	38.3	4.52	18	38.3	A0	C9	4596	P -52 5349
65	8.7	8.6W		10 43.469		-0.0041	07	-56 36	54.22	-0.043	07	0.14	43.484	14	46.4	54.06	14	46.4	F8	C0	3739	P -56 5099
66	9.9	9.9W		10 48.167		-0.0020	13	-57 4	2.30	0.017	13	0.15	48.174	14	46.4	2.36	14	46.4	A0	C0	3740	P -56 5100
67	9.7E	9.2Z		11 0.275		-0.0012	12	-50 13	3.99	-0.009	12	0.70	0.327	45	04.9	3.61	45	04.9	F2	CZ	10190	P -49 4972
68	10.2			11 4.357		0.0016	14	-52 10	21.85	-0.020	14	0.23	4.339	15	38.3	21.62	18	38.3	A0	C9	4597	P -51 4968
69	8.9	8.5W		11 14.316		-0.0122	15	-54 55	47.00	0.020	15	0.24	14.459	15	38.3	47.23	18	38.3	G0	C9	4598	P -54 5062
70	7.8	8.0W		11 17.804		-0.0024	06	-57 39	58.31	-0.013	06	0.14	17.813	14	46.4	58.26	14	46.4	A0	C0	3741	P -57 5338
71	8.3	8.5W		11 19.271		-0.0032	07	-52 51	54.53	-0.010	07	0.18	19.309	15	38.3	54.42	18	38.3	A0	C9	4599	P -52 5364
72	7.6	7.9W		11 21.860		-0.0029	06	-59 7	7.73	0.007	06	0.14	21.870	14	46.4	7.76	14	46.4	B3	C0	3742	P -58 4174
73		7.3T		11 23.019		0.0010	14	-55 12	15.13	-0.031	11	0.64	22.966	21	03.7	13.53	19	99.0	K0	GC	16702	P -54 5065
74	9.1	9.0W		11 23.498		-0.0022	15	-55 22	30.67	-0.046	15	0.24	23.524	15	38.3	30.13	18	38.3	A3	C9	4601	P*-54 5066
75	9.3E	9.0H		11 23.584		-0.0035	12	-50 12	37.59	-0.012	12	0.62	23.751	28	03.0	37.05	26	03.0	A0	CZ	10196	P -49 4977
76	10.0	9.9W		11 27.057		-0.0015	12	-57 57	43.77	-0.004	12	0.15	27.062	14	46.4	43.76	14	46.4	A3	C0	3743	P*-57 5340
77	8.6E	8.5Z		11 27.077		-0.0039	12	-51 2	10.24	-0.004	12	0.72	27.263	45	02.3	10.02	45	02.3	B9	CZ	10198	P -50 4978
78	8.9	9.2W		11 33.843		-0.0019	06	-58 32	30.10	-0.011	06	0.14	33.850	14	46.4	30.06	14	46.4	A0	C0	3744	P -58 4176
79		8.0T		11 34.707		-0.0006	13	-58 35	55.53	-0.016	10	0.57	34.737	19	06.7	54.76	18	02.5	B9	GC	16705	P -58 4177
80		8.0T		11 35.790		-0.0070	14	-53 38	32.19	-0.005	11	0.64	36.117	21	03.4	31.92	19	99.4	A0	GC	16709	P -53 5009
81	8.6	8.6W		11 39.815		-0.0037	06	-59 45	53.36	0.001	06	0.14	39.829	14	46.4	53.36	14	46.4	A2	C0	3516	P -59 4125
82	9.8E	8.5Z		11 41.591		-0.0016	12	-50 47	32.14	-0.003	12	0.72	41.667	45	02.3	31.98	45	02.3	K2	CZ	10199	P -50 4985
83	10.1E	8.5Z		11 41.686		-0.0011	12	-51 1	51.30	0.002	12	0.72	41.759	45	02.3	51.38	45	02.3	K0	CZ	10200	P -50 4986
84	10.2E	9.6Z		11 56.712		-0.0036	12	-51 16	27.55	-0.022	12	0.85	56.891	63	00.4	26.44	57	00.4	A3	CZ	10203	P -50 4994
85	9.1	9.0W		12 3.860		-0.0053	07	-53 33	50.11	-0.007	07	0.18	3.899	15	38.3	50.03	18	38.3	A0	C9	4603	P -53 5013
86	8.3	8.0W		12 6.851		-0.0009	06	-56 30	3.69	-0.008	06	0.14	6.854	14	46.4	3.66	14	46.4	G0	C0	3747	P -56 5113
87	8.8	8.5W		12 11.440		-0.0045	07	-55 30	42.00	-0.005	07	0.18	11.493	15	38.3	41.94	18	38.3	F5	C9	4604	P -55 4936
88	9.1E	8.8H		12 12.292		-0.0017	12	-51 27	9.07	-0.039	12	0.67	12.208	31	99.8	7.09	31	99.8	G0	CZ	10206	P -51 4985
89				12 20.410		-0.0025	07	-54 32	32.35	-0.027	07	0.18	20.439	15	38.3	32.03	18	38.3	M8	C9	4605V	P*-54 5075
90	8.6	7.3W		12 20.676		-0.0040	07	-55 49	32.57	0.006	07	0.18	20.723	15	38.3	32.63	18	38.3	K0	C9	4606	P -55 4940
91		3.1H		12 28.600		-0.0049	02	-58 28	14.80	-0.010	02	0.09	28.772	04	15.1	14.44	04	14.4	B3	F4	455	P -58 4189
92	10.2E	8.5Z		12 37.463		-0.0022	12	-51 27	40.17	-0.001	12	0.85	37.573	63	00.4	40.10	57	00.4	K5	CZ	10212	P -51 4995
93	8.8	8.3W		12 52.732		-0.0079	06	-58 54	16.27	-0.059	06	0.14	52.760	14	46.4	16.06	14	46.4	G5	C0	3749	P*-58 4192
94	9.6	9.8W		13 7.098		-0.0012	07	-58 8	15.08	-0.005	07	0.14	7.102	14	46.4	15.06	14	46.4	B9	C0	3750	P -57 5365
95	10.2E	9.0Z		13 8.197		-0.0024	12	-50 49	57.79	-0.008	12	0.65	8.314	31	01.3	57.38	28	01.3	K0	CZ	10218	P -50 5020
96		6.7T		13 16.088		-0.0027	13	-53 46	44.08	-0.022	10	0.61	16.216	21	02.6	42.90	18	97.7	K5	GC	16743	P -53 5026
97	9.0	8.1W		13 16.889		-0.0004	07	-55 25	51.69	-0.030	07	0.18	16.894	15	38.3	51.33	18	38.3	K0	C9	4608	P -55 4953
98	8.1	8.5W		13 21.959		0.0000	07	-54 48	55.73	0.009	07	0.18	21.959	15	38.3	55.84	18	38.3	A0	C9	4609	P -54 5083
99	10.5	10.1W		13 32.614		-0.0098	12	-53 16	50.67	-0.030	12	0.22	32.729	15	38.3	50.32	18	38.3	F5	C9	4610	P -52 5408
00	8.7	8.9W		13 33.716		-0.0006	06	-59 36	24.48	-0.004	06	0.14	33.718	14	46.4	24.46	14	46.4	B9	C0	3751	P -59 4149

239800 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.0	9.4W	12 13 39.063	-0.0025	07	-58 29 51.25	0.002	07	0.14	39.072	14	46.4	51.26	14	46.4	B5	C0	3752	P*-58 4195
2	9.9	9.5W	13 51.957	-0.0044	09	-52 22 50.24	0.007	09	0.20	52.009	15	38.3	50.32	18	38.3	F8	C9	4611	P -51 5010
3	9.1	9.3W	13 53.981	-0.0025	07	-58 44 57.63	0.007	07	0.14	53.990	14	46.4	57.66	14	46.4	B9	C0	3753	P -58 4197
4	10.2E	9.5Z	14 11.697	-0.0050	12	-51 47 59.20	-0.033	12	0.67	11.948	31	99.8	57.55	31	99.8	A3	CZ	10235	P -51 5014
5	10.2E	9.0Z	14 12.993	0.0012	12	-51 18 38.90	-0.015	12	0.85	12.934	63	00.4	38.13	57	00.4	K0	CZ	10236	P -50 5038
6	9.6	9.8W	14 19.242	-0.0035	15	-56 7 44.95	-0.044	15	0.24	19.283	15	38.3	44.44	18	38.3	B9	C9	4612	P -55 4964
7	9.8	9.1W	14 27.760	-0.0094	07	-57 25 26.76	-0.054	07	0.14	27.794	14	46.4	26.56	14	46.4	G5	C0	3754	P -57 5372
8	9.6	9.5W	14 29.609	-0.0081	07	-59 54 59.41	0.014	07	0.14	29.638	14	46.4	59.46	14	46.4	A2	C0	3536	P -59 4158
9	9.8	9.1W	14 31.312	0.0024	07	-55 12 7.17	-0.020	07	0.18	31.284	15	38.3	6.93	18	38.3	G5	C9	4613	P -54 5092
10	8.6	8.5W	14 36.122	-0.0057	07	-54 48 29.68	-0.004	07	0.18	36.189	15	38.3	29.63	18	38.3	F0	C9	4614	P -54 5093
11	10.1	8.4W	14 36.205	-0.0029	12	-52 53 14.61	0.018	12	0.22	36.239	15	38.3	14.82	18	38.3	K5	C9	4615	P -52 5432
12	9.5	9.1W	14 36.899	-0.0181	13	-56 51 35.60	-0.010	13	0.15	36.964	14	46.4	35.56	14	46.4	F5	C0	3756	P -56 5143
13	8.3	8.4W	14 40.107	-0.0027	07	-54 36 52.24	-0.009	07	0.18	40.138	15	38.3	52.14	18	38.3	A2	C9	4616	P -54 5095
14	9.8	9.7W	14 43.279	0.0028	07	-59 47 47.51	0.014	07	0.14	43.269	14	46.4	47.56	14	46.4	A2	C0	3538	P -59 4159
15	9.6E	9.3Z	14 47.313	-0.0009	12	-50 10 41.20	-0.002	12	0.66	47.353	36	03.3	41.08	36	03.3	A2	CZ	10243	P -49 5044
16			14 55.850	-0.0034	06	-57 53 12.68	-0.006	06	0.14	55.863	14	46.4	12.66	14	46.4	B0	C0	3758V	P*-57 5375
17	9.2	9.4W	15 1.325	-0.0015	07	-58 36 33.09	-0.007	07	0.14	1.330	14	46.4	33.06	14	46.4	B8	C0	3759	P -58 4202
18	10.0	10.0W	15 6.626	-0.0071	12	-52 58 35.14	0.007	12	0.22	6.709	15	38.4	35.22	18	38.4	A2	C9	4617	P -52 5440
19	8.0	7.9W	15 12.597	-0.0048	07	-55 41 52.17	-0.046	07	0.18	12.653	15	38.4	51.64	18	38.4	F5	C9	4618	P -55 4978
20		6.8T	15 14.011	-0.0025	12	-57 34 21.75	-0.019	09	0.55	14.135	19	05.5	20.80	18	00.2	K0	GC	16772	P -57 5382
21	9.2	9.5W	15 23.125	-0.0008	12	-55 14 44.41	-0.015	12	0.22	23.134	15	38.4	44.23	18	38.4	A0	C9	4619	P*-54 5103
22		7.1T	15 31.091	-0.0010	10	-52 1 42.86	-0.005	08	0.50	31.137	15	02.9	42.57	17	95.3	B9	GC	16779K	C*-51 6557
23	8.9	8.8W	15 31.537	-0.0048	06	-56 57 6.57	-0.030	06	0.14	31.554	14	46.4	6.46	14	46.4	F0	C0	3761	P -56 5149
24	9.8	9.8W	15 32.788	-0.0003	10	-59 45 8.35	0.004	10	0.14	32.789	14	46.4	8.36	14	46.4	A0	C0	3762	P -59 4166
25		7.5T	15 40.287	-0.0002	14	-50 58 1.32	-0.002	12	0.70	40.297	18	00.0	1.22	17	97.9	K2	GC	16783	C -50 6874
26	9.7	9.7W	15 43.763	-0.0013	14	-53 51 34.29	-0.040	14	0.23	43.779	15	38.4	33.83	18	38.4	A0	C9	4621	P -53 5053
27	8.4	8.7W	15 44.531	-0.0025	07	-59 20 51.78	-0.006	07	0.14	44.540	14	46.4	51.76	14	46.4	B8	C0	3763	P -58 4204
28	8.7	7.7W	15 44.571	-0.0031	07	-57 54 6.36	-0.000	07	0.14	44.583	14	46.4	6.36	14	46.4	K0	C0	3764	P -57 5391
29	9.4E	9.0Z	15 45.561	-0.0025	12	-50 53 33.27	-0.001	12	0.71	45.676	45	03.8	33.21	45	03.8	A2	CZ	10256	P -50 5061
30	10.0E	9.0Z	15 58.081	-0.0054	12	-51 12 49.40	0.062	12	0.71	58.331	45	03.8	52.25	45	03.8	K0	CZ	10262	P -50 5063
31	10.0	10.0W	15 58.329	-0.0037	11	-58 29 23.27	0.025	11	0.15	58.342	14	46.4	23.36	14	46.4	A0	C0	3765	P -58 4206
32	9.9	8.8W	16 1.353	-0.0027	07	-58 20 12.03	0.008	07	0.14	1.362	14	46.4	12.06	14	46.4	K0	C0	3766	P -57 5395
33	9.3	9.4W	16 2.474	-0.0030	14	-52 29 5.22	-0.017	14	0.23	2.509	15	38.4	5.02	18	38.4	B9	C9	4622	P -52 5457
34	9.9	8.9W	16 7.101	-0.0011	07	-55 29 39.92	-0.016	07	0.18	7.114	15	38.4	39.74	18	38.4	K0	C9	4623	P -55 4986
35	8.5	8.4W	16 16.512	-0.0023	08	-53 35 43.34	0.007	08	0.19	16.539	15	38.4	43.43	18	38.4	F5	C9	4624	P -53 5061
36	9.3	7.8W	16 16.810	0.0005	07	-59 55 30.53	0.010	07	0.14	16.809	14	46.4	30.56	14	46.4	K0	C0	3550	P -59 4172
37	10.0	10.0W	16 17.966	-0.0017	07	-58 17 51.41	-0.014	07	0.14	17.972	14	46.4	51.36	14	46.4	B9	C0	3768	P -57 5397
38		5.0T	16 19.093	-0.0085	07	-54 51 54.91	-0.021	05	0.28	19.419	12	11.5	53.98	12	04.7	M0	GC	16792K	P -54 5113
39	9.5	9.7W	16 22.145	-0.0015	07	-56 3 35.90	-0.040	07	0.18	22.163	15	38.4	35.44	18	38.4	A0	C9	4626	P -55 4987
40	9.4	9.5W	16 26.133	0.0008	07	-59 29 42.29	-0.009	07	0.14	26.130	14	46.4	42.26	14	46.4	B9	C0	3769	P -59 4174
41	9.4	8.6W	16 32.655	-0.0003	07	-52 17 52.26	-0.073	07	0.18	32.659	15	38.4	51.42	18	38.4	G5	C9	4627	P -51 5054
42	9.9	9.0W	16 35.719	0.0014	07	-56 42 8.22	-0.045	07	0.14	35.714	14	46.4	8.06	14	46.4	F0	C0	3770	P -56 5162
43	10.5E	9.3*	16 36.155	-0.0012	12	-50 27 57.60	-0.009	12	0.64	36.215	31	02.3	57.19	28	02.3		CZ	10265	P -50 5079
44	9.5	9.5W	16 38.160	-0.0055	09	-59 6 25.45	0.004	09	0.14	38.180	14	46.4	25.46	14	46.4	A	C0	3771	P -58 4213
45	8.6	8.7W	16 38.498	-0.0035	07	-59 0 48.79	0.018	07	0.14	38.510	14	46.4	48.86	14	46.4	B9	C0	3772	P -58 4212
46	9.6	9.7W	16 44.709	-0.0025	13	-59 47 5.04	-0.024	13	0.15	44.719	14	46.4	4.96	14	46.4	B8	C0	3773	P -59 4177
47	9.8	9.7W	16 46.960	-0.0021	14	-55 2 29.39	-0.013	14	0.23	46.984	15	38.4	29.24	18	38.4	A0	C9	4628	P -54 5115
48	8.4	8.7W	16 49.274	-0.0030	08	-52 44 51.72	0.000	08	0.19	49.309	15	38.4	51.72	18	38.4	B8	C9	4629	P -52 5467
49	9.3	9.2W	17 2.551	-0.0020	13	-55 6 53.75	0.007	13	0.22	2.574	15	38.4	53.83	18	38.4	F2	C9	4630	P -54 5121
50	9.6	9.5W	17 11.401	-0.0032	06	-57 54 47.39	-0.007	06	0.14	11.413	14	46.4	47.36	14	46.4	A0	C0	3774	P -57 5400
51	7.5	8.0W	12 17 24.381	-0.0012	06	-56 26 23.79	-0.011	06	0.14	24.385	14	46.4	23.75	14	46.4	B9	C0	3775	P -56 5169
52	9.9		17 27.936	-0.0028	12	-53 37 52.45	0.015	12	0.22	27.969	15	38.4	52.63	18	38.4	B8	C9	4631	P -53 5070
53	9.7	9.4W	17 33.809	-0.0017	11	-53 38 52.60	-0.006	11	0.21	33.829	15	38.4	52.53	18	38.4	F2	C9	4632	P -53 5072
54	9.5	8.3W	17 34.165	-0.0020	07	-53 6 39.34	-0.010	07	0.18	34.189	15	38.4	39.22	18	38.4	K2	C9	4633	P -52 5481
55		7.7T	17 39.058	-0.0016	16	-50 56 27.78	-0.024	12	0.75	39.136	22	01.5	26.51	19	96.8	A2	GC	16823	C -50 6906
56	8.9	8.9W	17 42.207	0.0016	06	-54 53 26.33	-0.008	06	0.18	42.189	15	38.4	26.23	18	38.4	A2	C9	4634	P -54 5127
57	8.4E	9.5Z	17 46.423	-0.0051	12	-51 41 46.59	-0.014	12	0.82	46.661	63	03.3	45.92	57	03.3	A2	CZ	10278	P -51 5077
58	10.1E	9.3H	17 48.099	-0.0009	12	-50 30 6.04	-0.016	12	0.71	48.141	45	03.8	5.32	45	03.8	K0	CZ	10279	P -50 5097
59	8.4	8.8W	17 50.969	0.0010	07	-56 25 51.50	-0.014	07	0.14	50.965	14	46.4	51.45	14	46.4	A0	C0	3776	P -56 5173
60	9.2	9.5W	18 6.060	0.0016	13	-56 41 13.43	-0.020	13	0.15	6.054	14	46.4	13.36	14	46.4	B9	C0	3777	P -56 5177
61	8.6	8.7W	18 7.994	-0.0046	07	-58 49 27.19	-0.009	07	0.14	8.010	14	46.4	27.16	14	46.4	B9	C0	3778	P*-58 4226
62	8.3	8.6W	18 10.945	-0.0032	07	-55 46 16.46	-0.019	07	0.18	10.983	15	38.4	16.23	18	38.4	B9	C9	4635	P -55 5008
63	9.7	10.0W	18 11.678	-0.0021	13	-55 51 14.57	-0.037	13	0.22	11.703	15	38.4	14.14	18	38.4	A	C9	4636	P -55 5010
64	10.0	9.0W	18 15.311	-0.0015	07	-54 44 38.72	0.010	07	0.18	15.329	15	38.4	38.83	18	38.4	K0	C9	4637	P -54 5132
65	10.0	9.2W	18 20.345	-0.0014	07	-58 33 16.36	-0.001	07	0.14	20.350	14	46.4	16.36	14	46.4	K0	C0	3779	P -58 4230
66	7.3	7.9W	18 28.601	-0.0010	06	-56 29 47.59	-0.012	06	0.14	28.605	14	46.4	47.55	14	46.4	A0	C0	3780	P -56 5184
67	8.4	8.6W	18 30.032	0.0049	13	-57 1 35.27	-0.002	13	0.15	30.014	14	46.4	35.26	14	46.4	B8	C0	3781	P -56 5186
68	10.0	9.4W	18 35.147	-0.0044	12	-53 1 5.97	0.004	12	0.22	35.199	15	38.4	6.02	18	38.4	G5	C9	4638	P -52 5506
69	9.8	9.3W	18 37.036	-0.0019	13	-57 35 22.11	-0.013	13	0.15	37.043	14	46.4	22.06	14	46.4	F8	C0	3782	P -57 5415
70	8.5	8.5W	18 39.128	-0.0009	07	-54 13 27.16	0.006	07	0.18	39.139	15	38.4	27.23	18	38.4	F0	C9	4639	P -53 5086
71	8.6	8.9W	18 42.355	-0.0025	13	-57 16 34.12	-0.043	13	0.15	42.364	14	46.4	33.96	14	46.4	B8	C0	3784	P -56 5189
72	9.6E	9.6Z	18 43.342	-0.0020	12	-50 41 31.09	-0.043	12	0.71	43.434	45	03.8	29.12	45	03.8	F8	CZ	10292	P -50 5110
73	9.5	9.7W	18 58.480	0.0001	15	-54 25 34.34	-0.001	15	0.24	58.479	15	38.4	34.33	18	38.4	A0	C9	4640	P -54 5141
74	9.1E	8.5Z	19 1.425	0.0002	12	-51 15 23.90	0.005	12	0.71	1.416	45	03.8	24.11	45	03.8	K0	CZ	10298	P -50 5114
75	10.1	9.1W	19 3.854	-0.0004	09	-52 9 25.33	-0.027	09	0.20	3.859	15	38.4	25.02	18	38.4	K0	C9	4641	P -51 5098
76	8.9	9.0W	19 8.034	-0.0004	07	-54 7 22.50	0.002	07	0.18	8.039	15	38.4	22.53	18	38.4	A3	C9	4642	P -53 5092
77	9.0	9.0W	19 10.620	-0.0040	13	-57 1 50.83	-0.020	13	0.15	10.634	14	46.4	50.76	14	46.4	F0	C0	3785	P -56 5193
78		8.6T	19 13.416	0.0000	15	-56 46 17.29	0.012	17	0.76	13.415	21	04.1	17.81	22	05.1	F0	GC	16855	P -56 5194
79	8.3	8.6W	19 14.115	-0.0020	07	-58 8 17.79	-0.007	07	0.14	14.123	14	46.4	17.76	14	46.4	B8	C0	3787	P -57 5420
80		6.0T	19 14.838	-0.0007	15	-56 5 49.77	-0.016	11	0.65	14.873	19	03.7	48.93	18	98.8	M0	GC	16856	P -55 5019
81	9.8	8.9W	19 18.257	-0.0038	07	-58 56 42.16	-0.026	07	0.14	18.270	14	46.4	42.06	14	46.4	K0	C0	3789	P -58 4238
82	9.6	9.4W	19 19.594	-0.0033	15	-55 48 58.93	0.018	15	0.24	19.633	15	38.4	59.13	18	38.4	F0	C9	4644	P -55 5022
83	10.0		19 19.814	-0.0016	14	-58 37 28.09	-0.009	14	0.15	19.820	14	46.4	28.06	14	46.4	B9	C0	3790	P -58 4239
84	8.3E	8.0Z	19 20.091	0.0005	12	-51 28 42.22	-0.014	12	0.66	20.068	31	01.3	41.52	31	01.3	K0	CZ	10303	P -51 5100
85		8.8T	19 23.107	-0.0083	26	-51 6 28.25	0.048	26	1.17	23.481	21	05.0	30.42	21	05.0	F0	GC	16859	C -50 6926
86	9.7E	9.5Z	19 38.530	-0.0012	12	-50 51 25.85	-0.005	12	0.71	38.585	45	03.8	25.60	45	03.8	A0	CZ	10307	P -50 5125
87	9.9E	9.6Z	19 41.420	-0.0040	12	-51 4 49.28	-0.004	12	0.71	41.605	45	03.8	49.08	45	03.8		CZ	10310	P -50 5126
88	8.9E	9.0Z	19 42.146	0.0008	12	-51 37 59.39	-0.004	12	0.82	42.108	63	03.3	59.18	57	03.3	A2	CZ	10311	P -51 5114
89	8.2E	8.0Z	19 43.396	-0.0002	12	-50 24 37.09	-0.007	12	0.71	43.403	45	03.8	36.78	45	03.8	K0	CZ	10312	P -49 5130
90	9.2E	8.8Z	19 43.675	-0.0047	12	-50 44 55.24	-0.019	12	0.71	43.893	45	03.8	54.38	45	03.8	F5	CZ	10313	P -50 5127
91	12.1E	10.0H	19 45.073	-0.0030	12	-50 45 7.05	0.000	12	0.71	45.211	45	03.8	7.07	45	03.8	F5	CZ	10314	P -50 5127
92	9.9	9.9W	19 50.188	-0.0052	12	-52 49 43.85	-0.003	12	0.22	50.249	15	38.4	43.82	18	38.4	A2	C9	4645	P -52 5532
93	9.9	9.4W	19 51.333	-0.0022	07	-53 17 10.07	0.013	07	0.18	51.339	15	38.4	10.22	18	38.4	G2	C9	4646	P -52 5533
94	9.6	9.4W	19 52.083	-0.0044	07	-59 59 10.62	-0.017	07	0.14	52.098	14	46.4	10.56	14	46.4	B0	C0	3791	P -59 4193
95	9.9	10.0W	19 53.560	-0.0042	12	-52 39 55.27	0.030	12	0.22	53.609	15	38.4	55.62	18	38.4	A8	C9	4647	P*-52 5534
96	8.2E	8.3Z	19 53.724	-0.0014	12	-50 31 31.04	-0.016	12	0.71	53.789	45	03.8	30.32	45	03.8	A3	CZ	10317	P -50 5131
97	10.2	10.0W	19 57.686	-0.0037	14	-52 53 18.25	-0.037	14	0.23	57.729	15	38.4	17.82	18	38.4	A	C9	4648	P -52 5535
98	10.0	10.1W	20 3.435	-0.0064	14	-52 49 9.05	-0.011	14	0.23	3.509	15	38.4	8.92	18	38.4	A0	C9	4649	P -52 5537
99	8.8	8.9W	20 4.457	0.0016	06	-53 20 7.67	-0.022	06	0.18	4.439	15	38.4	7.42	18	38.4	A2	C9	4650	P -52 5539
00		6.8T	20 4.628	0.0003	15	-52 0 56.58	-0.034	12	0.73	4.612	21	00.7	54.76	19	96.7	K0	GC	16875	C -51 6635

239900 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		5.6T	12 20 6.061	-0.0054	07	-57 23 55.54	-0.017	05	0.27	6.301	10	10.9	54.76	10	05.6	B8		GC	16877	P -56 5202
2	9.4	8.9W	20 6.980	-0.0027	06	-59 20 42.99	-0.009	06	0.14	6.990	14	46.4	42.96	14	46.4	A5		CD	3793	P -58 4245
3	9.8	8.8W	20 14.956	-0.0011	07	-52 6 47.15	-0.020	07	0.18	14.969	15	38.4	46.92	18	38.4	G5		C9	4652	P -51 5125
4	9.4	9.1W	20 17.924	-0.0056	08	-53 6 17.93	-0.018	08	0.19	17.989	15	38.4	17.72	18	38.4	F0		C9	4653	P -52 5544
5	8.9	8.0W	20 27.888	0.0008	06	-52 8 35.31	-0.025	06	0.18	27.879	15	38.4	35.02	18	38.4	K0		C9	4654	P -51 5129
6	9.5	8.9W	20 39.187	-0.0079	07	-51 54 16.05	0.101	07	0.18	39.279	15	38.4	17.22	18	38.4	G5		C9	4655	P*-51 5131
7	8.5	8.8W	20 42.629	-0.0008	07	-53 22 11.44	0.016	07	0.18	42.639	15	38.4	11.62	18	38.4	B5		C9	4656	P -52 5552
8	9.6	9.2W	20 43.529	-0.0072	06	-56 29 55.84	-0.053	06	0.14	43.555	14	46.4	53.65	14	46.4	F2		CD	3794	P -56 5207
9	8.7E	8.2Z	20 46.832	-0.0017	12	-50 59 17.13	0.004	12	0.66	46.911	36	03.9	17.29	36	03.9	K0		CZ	10334	P -50 5137
10	9.4E	8.7H	20 49.287	-0.0025	12	-50 21 27.30	-0.002	12	0.66	49.404	36	03.9	27.19	36	03.9	K2		CZ	10338	P -49 5144
11	9.1	8.5W	20 50.052	-0.0022	07	-59 15 50.77	-0.059	07	0.14	50.060	14	46.4	50.56	14	46.4	G5		CD	3795	P -58 4254
12	9.9E	9.4Z	20 52.004	-0.0027	12	-51 39 34.65	-0.008	12	0.82	52.130	63	03.3	34.26	57	03.3	G5		CZ	10339	P -51 5134
13	9.9	9.9W	20 53.103	-0.0026	11	-57 39 38.17	-0.004	11	0.15	53.113	14	46.4	38.16	14	46.4	A0		CD	3796	P -57 5434
14	10.9	9.6W	21 3.945	-0.0003	14	-53 49 45.91	-0.016	14	0.23	3.949	15	38.4	45.73	18	38.4	K2	O	C9	4657	P -53 5112
15	9.2E	9.0Z	21 4.714	-0.0013	12	-51 50 47.10	-0.011	12	0.82	4.775	63	03.3	46.59	57	03.3	A0		CZ	10341	P -51 5139
16	10.5		21 13.139	-0.0026	14	-53 10 53.10	-0.007	14	0.23	13.169	15	38.4	53.02	18	38.4	A2	O	C9	4658	P -52 5558
17	9.8	8.6W	21 13.419	-0.0025	07	-59 48 24.00	-0.012	07	0.14	13.429	14	46.4	23.96	14	46.4	K0		CD	3578	P -59 4198
18	8.2	7.9W	21 25.656	0.0065	06	-57 38 26.49	-0.036	06	0.14	25.633	14	46.4	26.36	14	46.4	G0		CD	3798	P -57 5442
19	9.4E	9.4Z	21 26.450	0.0027	12	-51 9 1.45	-0.002	12	0.71	26.326	45	03.8	1.34	45	03.8	F5		CZ	10349	P -50 5143
20	9.0	8.8W	21 28.299	-0.0026	07	-53 17 39.20	0.002	07	0.18	28.329	15	38.4	39.22	18	38.4	F2		C9	4659	P -52 5562
21	8.7	8.5W	21 30.462	0.0033	06	-59 28 57.53	-0.018	06	0.14	30.450	14	46.4	57.46	14	46.4	F5		CD	3799	P -59 4203
22	8.8	8.6W	21 33.685	-0.0032	07	-58 41 57.13	-0.019	07	0.14	33.700	14	46.4	57.06	14	46.4	F5		CD	3800	P -58 4262
23	10.0	9.1W	21 37.119	-0.0008	14	-52 7 13.16	-0.012	14	0.23	37.129	15	38.4	13.02	18	38.4	G5		C9	4660	P -51 5142
24			21 39.243	-0.0005	07	-53 17 41.31	0.001	07	0.18	39.249	15	38.4	41.32	18	38.4	K2		C9	4661V	P*-52 5563
25	10.0	9.5W	21 40.438	-0.0030	07	-55 36 10.68	-0.004	07	0.18	40.473	15	38.4	10.63	18	38.4	G0		C9	4662	P -55 5042
26	8.3	8.4W	21 46.751	-0.0026	07	-58 31 4.62	0.011	07	0.14	46.760	14	46.4	4.66	14	46.4	B8		CD	3801	P -58 4263
27	9.5E	9.4*	21 52.679	-0.0018	12	-50 34 32.89	-0.017	12	0.64	52.765	31	02.3	32.10	28	02.3	A0		CZ	10355	P -50 5149
28	9.3	9.2W	21 56.385	-0.0029	07	-51 55 11.41	-0.008	07	0.18	56.419	15	38.4	11.32	18	38.4	F0		C9	4663	P -51 5149
29	10.1	9.7W	21 56.794	-0.0033	15	-55 58 18.16	-0.019	15	0.24	56.833	15	38.4	17.93	18	38.4	F5		C9	4664	P -55 5045
30	8.3	7.9W	21 57.671	0.0002	07	-52 17 35.66	-0.047	07	0.18	57.669	15	38.4	35.12	18	38.4	G0		C9	4665	P -51 5150
31	9.7	9.7W	22 3.445	-0.0022	06	-58 4 25.01	0.013	06	0.14	3.453	14	46.4	25.06	14	46.4	A0		CD	3802	P -57 5450
32	7.6	7.1W	22 4.707	0.0013	06	-57 50 33.01	-0.015	06	0.14	4.702	14	46.4	32.96	14	46.4	G0		CD	3803	P*-57 5451
33	9.7E	9.2Z	22 12.544	-0.0033	12	-51 43 37.80	-0.006	12	0.82	12.698	63	03.3	37.55	57	03.3	G0		CZ	10361	P -51 5155
34	10.0	9.9W	22 20.021	-0.0006	07	-57 37 46.28	0.022	07	0.14	20.023	14	46.4	46.36	14	46.4	A2	O	CD	3804	P -57 5456
35	9.7	9.9W	22 21.149	-0.0026	13	-54 42 6.72	-0.016	13	0.22	21.179	15	38.4	6.54	18	38.4	A0		C9	4666	P -54 5183
36		9.6T	22 30.350	-0.0071	26	-57 22 24.01	-0.046	16	0.98	30.692	24	06.6	21.78	22	01.8	K7		GC	16930	P -56 5221
37	10.4		22 36.557	-0.0036	12	-53 20 29.45	-0.029	12	0.22	36.599	15	38.4	29.12	18	38.4	A3	O	C9	4667	P -52 5580
38	9.6	9.7W	22 41.449	-0.0034	07	-53 36 31.86	-0.020	07	0.18	41.489	15	38.4	31.63	18	38.4	B9		C9	4668	P -53 5126
39	9.8E	9.8Z	22 48.049	-0.0031	12	-50 44 1.77	-0.006	12	0.71	48.192	45	03.8	1.51	45	03.8	F5		CZ	10373	P -50 5157
40	8.0	8.2W	22 54.712	-0.0033	07	-57 3 26.58	-0.006	07	0.14	54.724	14	46.4	26.56	14	46.4	A0		CD	3806	P -56 5225
41	9.5	9.5W	23 9.268	-0.0013	07	-57 41 42.01	-0.012	07	0.14	9.273	14	46.4	41.96	14	46.4	A0		CD	3807	P -57 5462
42	9.6	9.3W	23 16.559	-0.0138	12	-53 58 43.17	0.040	12	0.22	16.719	15	38.4	43.63	18	38.4	G0		C9	4669	P -53 5131
43	9.5E	9.0Z	23 21.649	-0.0030	12	-51 43 50.75	-0.001	12	0.82	21.709	63	03.3	50.68	57	03.3	G5		CZ	10381	P -51 5169
44	9.3	9.5W	23 24.955	-0.0047	10	-58 22 31.64	0.006	10	0.14	24.972	14	46.4	31.66	14	46.4	B9		CD	3808	P -57 5468
45	9.5E	9.0Z	23 35.443	-0.0077	12	-51 5 7.07	-0.058	12	0.71	35.799	45	03.8	4.37	45	03.8	G5		CZ	10382	P -50 5166
46	10.1	10.2W	23 43.844	-0.0059	15	-56 7 56.10	0.012	15	0.24	43.913	15	38.4	56.24	18	38.4	A2		C9	4670	P -55 5059
47	8.2	8.5W	23 44.032	-0.0002	06	-57 49 55.14	0.006	06	0.14	44.033	14	46.4	55.16	14	46.4	B8		CD	3809	P -57 5474
48		5.0T	23 48.957	-0.0047	08	-51 10 25.51	-0.020	05	0.31	49.148	19	09.3	24.57	12	02.5	B3		GC	16954K	C*-50 6975
49	9.2	7.9W	23 56.583	-0.0013	06	-54 32 46.50	-0.014	06	0.18	56.599	15	38.4	46.33	18	38.4	K0		C9	4671	P -54 5197
50	10.3	10.0W	24 3.193	-0.0057	12	-53 13 17.72	0.052	12	0.22	3.259	15	38.4	18.32	18	38.4	F2	O	C9	4672	P -52 5602
51	9.4	9.3W	12 24 8.345	0.0004	13	-57 19 16.91	0.014	13	0.15	8.344	14	46.4	16.96	14	46.4	B9		CD	3810	P -56 5242
52		7.2T	24 15.755	-0.0097	12	-52 25 33.59	-0.009	10	0.55	16.185	19	05.6	33.11	18	97.6	K0		GC	16962	P -52 5603
53	10.0	9.9W	24 16.913	-0.0005	14	-52 6 34.58	-0.014	14	0.23	16.919	15	38.4	34.42	18	38.4	F0		C9	4674	P -51 5180
54		7.1T	24 31.732	-0.0036	13	-55 27 29.04	0.006	10	0.60	31.919	19	02.2	29.33	18	97.6	B9		GC	16966	P -55 5063
55	9.7	9.2W	24 32.840	0.0015	13	-56 17 14.26	-0.057	13	0.15	32.835	14	46.4	14.05	14	46.4	F5		CD	3811	P -55 5064
56	8.8E	9.0Z	24 35.435	-0.0016	12	-50 4 31.51	-0.039	12	0.72	35.512	45	02.3	29.67	45	02.3	A2		CZ	10396	P -49 5195
57	8.7	9.0W	24 36.484	0.0003	06	-57 44 12.81	-0.013	06	0.14	36.483	14	46.4	12.76	14	46.4	B5		CD	3812	P -57 5487
58	9.3E	9.8Z	24 37.358	0.0004	12	-50 19 53.25	-0.007	12	0.71	37.337	45	03.8	52.95	45	03.8	A2		CZ	10397	P -49 5192
59	9.3	9.0W	24 40.145	0.0014	07	-54 11 36.39	-0.031	07	0.18	40.129	15	38.4	36.03	18	38.4	A3		C9	4676	P -53 5146
60		5.4T	24 42.605	-0.0035	10	-58 42 54.74	0.001	08	0.38	42.750	14	12.8	54.77	12	09.1	MB		GC	16969	P*-58 4209
61		6.5T	24 42.697	-0.0044	13	-58 2 24.40	0.000	10	0.59	42.919	19	04.0	24.40	18	99.4	K5		GC	16970	P -57 5490
62	9.4E	8.9*	24 42.729	-0.0022	12	-51 23 21.98	0.005	12	0.66	42.837	31	01.3	22.21	31	01.3	K0		CZ	10398	P -50 5189
63	8.5	8.6W	24 46.467	-0.0022	07	-55 32 47.29	-0.030	07	0.18	46.493	15	38.4	46.94	18	38.4	A0		C9	4677	P -55 5067
64	9.6	9.4W	24 51.267	0.0013	15	-56 1 59.67	-0.014	15	0.24	51.253	15	38.4	59.83	18	38.4	F2		C9	4678	P -55 5069
65	9.7E	9.9Z	24 54.537	-0.0015	12	-50 20 14.26	-0.010	12	0.71	54.609	45	03.8	13.82	45	03.8	A0		CZ	10402	P -49 5197
66	9.0E	8.5Z	25 6.836	-0.0291	12	-50 3 43.01	0.113	12	0.72	8.227	45	02.3	48.43	45	02.3	K0		CZ	10405	P -49 5198
67	9.4	9.5W	25 12.191	-0.0028	07	-55 7 41.59	-0.005	07	0.18	12.224	15	38.4	41.53	18	38.4	A2		C9	4680	P -54 5206
68	9.3	9.1W	25 17.319	-0.0046	07	-56 12 45.97	-0.006	07	0.14	17.335	14	46.4	45.95	14	46.4	F0		CD	3815	P -55 5076
69	8.2	8.1W	25 19.663	-0.0006	07	-59 45 43.22	-0.017	07	0.14	19.669	14	46.4	43.16	14	46.4	A0		CD	3816	P -59 4237
70	7.9E	8.0Z	25 24.437	-0.0025	12	-51 47 54.73	-0.027	12	0.82	24.556	63	03.3	53.49	57	03.3	F8		CZ	10409	P -51 5191
71	9.7	9.5W	25 26.779	0.0000	12	-54 0 31.25	-0.045	12	0.22	26.779	15	38.4	30.73	18	38.4	F0		C9	4681	P -53 5155
72	8.5	7.6W	25 28.994	-0.0030	08	-53 18 0.77	-0.030	08	0.19	29.029	15	38.4	0.42	18	38.4	K0		C9	4682	P -52 5616
73	8.8	8.6W	25 37.501	0.0019	07	-53 59 3.57	-0.021	07	0.18	37.479	15	38.4	3.33	18	38.4	A2		C9	4683	P -53 5156
74	9.0	9.2W	25 47.566	-0.0021	07	-56 45 5.68	-0.006	07	0.14	47.574	14	46.4	5.66	14	46.4	B9		CD	3817	P -56 5249
75	7.7	8.0W	25 48.169	-0.0018	06	-56 10 52.16	-0.004	06	0.14	48.175	14	46.4	52.15	14	46.4	B9		CD	3818	P -55 5082
76	8.7	8.8W	25 48.360	-0.0029	07	-58 33 39.34	0.005	07	0.14	48.371	14	46.4	39.36	14	46.4	B9		CD	3819	P -58 4304
77		6.2T	25 49.217	-0.0284	11	-56 7 41.05	-0.224	09	0.56	50.869	19	97.9	27.99	17	91.8	K0		GC	17003K	P -55 5084
78	8.9	9.0W	25 49.452	-0.0061	15	-56 2 10.90	0.021	15	0.24	49.523	15	38.4	11.14	18	38.4	A2		C9	4684	P -55 5083
79	9.7	8.5W	25 53.128	-0.0040	06	-57 54 25.41	-0.015	06	0.14	53.142	14	46.4	25.36	14	46.4	K0		CD	3821	P -57 5502
80	9.5	9.0W	25 54.996	-0.0024	07	-55 10 43.86	-0.037	07	0.18	55.024	15	38.4	43.43	18	38.4	G5		C9	4686	P -54 5210
81	9.3	9.0W	25 58.922	-0.0109	07	-53 51 51.39	0.012	07	0.18	59.049	15	38.4	51.53	18	38.4	F8		C9	4687	P -53 5160
82	9.6E	9.4Z	26 2.969	-0.0003	12	-50 49 36.52	-0.007	12	0.71	2.983	45	03.8	36.18	45	03.8			CZ	10414	P -50 5207
83	9.0	9.1W	26 5.460	-0.0013	07	-56 11 29.79	-0.012	07	0.14	5.465	14	46.4	29.75	14	46.4	A0		CD	3822	P -55 5087
84	9.7	9.6W	26 7.026	-0.0028	07	-52 1 56.80	-0.007	07	0.18	7.059	15	38.4	56.72	18	38.4	F0		C9	4688	P*-51 5199
85	8.5	8.7W	26 9.602	-0.0029	07	-58 27 36.91	-0.012	07	0.14	9.612	14	46.4	36.86	14	46.4	B8		CD	3823	P -58 4313
86		8.7T	26 11.286	-0.0089	26	-51 54 7.47	-0.020	26	1.17	11.686	21	05.0	6.56	21	05.0	A3		GC	17006	C -51 6/13
87		7.8T	26 16.767	-0.0047	18	-50 22 17.93	-0.023	12	0.77	16.984	19	03.3	16.80	19	00.9	A0		GC	17009	C -49 7123
88	8.2	8.5W	26 31.363	-0.0003	07	-56 44 15.96	-0.000	07	0.14	31.364	14	46.4	15.96	14	46.4	B8		CD	3824	P -56 5255
89	9.0	9.1W	26 34.897	-0.0053	07	-53 55 16.73	-0.009	07	0.18	34.958	15	38.4	16.63	18	38.4	A2		C9	4690	P -53 5167
90	9.1	8.2W	26 40.896	-0.0028	08	-53 41 22.56	-0.003	08	0.19	40.929	15	38.4	22.53	18	38.4			C9	4691	P -53 5169
91	9.3	9.3W	26 42.651	-0.0033	13	-58 7 53.05	0.004	13	0.15	42.663	14	46.4	53.06	14	46.4	A0		CD	3825	P -57 5557
92	9.5	9.6W	26 42.772	-0.0019	07	-59 57 15.65	0.003	07	0.14	42.778	14	46.4	15.66	14	46.4	A0		CD	3621	P -59 4255
93		7.9T	26 46.377	0.0011	14	-58 48 33.35	-0.011	10	0.55	46.330	19	09.3	32.86	18	06.0	F2		GC	17016	P -58 4324
94	8.5	8.7W	26 51.521	-0.0003	07	-58 19 57.10	-0.011	07	0.14	51.522	14	46.4	57.06	14	46.4	B9		CD	3828	P -57 5510
95	9.8E	9.4Z	26 54.697	0.0003	12	-51 41 59.79	-0.000	12	0.71	54.683	45	03.3	59.77	45	03.3	A2		CZ	10421	P -51 5209
96	9.6	9.3W	26 56.274	0.0003	06	-57 57 50.47	-0.004	06	0.14	56.272	14	46.4	50.46	14	46.4	G0		CD	3829	P -57 5512
97		7.4T	26 57.657	0.0016	12	-58 44 50.18	-0.029	10	0.52	57.584	21	07.8	48.83	17	03.8	A2		GC	17021	P -58 4326
98	8.8	9.0W	27 2.591	-0.0003	07	-58 29 45.28	-0.006	07	0.14	2.592	14	46.4	45.26	14	46.4	B9		CD	3831	P -58 4327
99		5.8T	27 7.843	-0.0024	09	-56 14 55.48	0.015	07	0.34	7.945	14	11.1	56.10	12	07.4	M0		GC	17023	P -55 5097
00	9.4	9.1W	27 15.969	-0.0008	07	-54 18 48.51	0.019	07	0.18	15.979	15	38.4	48.73	18	38.4	F8		C9	4692	P -53 5176

240000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 12H DM NUMBER
1		9.8T	12 27 19.890	-0.0046	22	-55 47 39.76	-0.007	14	0.85	20.105	22	07.7	39.41	21	03.0	A2		GC	17033	P -55 5098
2	7.9	8.3W	27 24.775	0.0014	06	-53 19 4.91	-0.009	06	0.18	24.579	15	38.4	5.02	18	38.4	A0		C9	4694	P -52 5638
3	8.5	8.7W	27 27.341	-0.0007	06	-53 19 49.68	-0.048	06	0.18	27.349	15	38.4	49.12	18	38.4	A0		C9	4695	P -52 5639
4	8.7E	8.0Z	27 30.628	-0.0034	12	-51 48 15.12	0.012	12	0.82	30.787	63	03.3	15.69	57	03.3	MA		CZ	10433	P -51 5217
5	9.3	9.5W	27 32.545	-0.0021	07	-58 15 1.03	0.010	07	0.14	32.552	14	46.4	1.06	14	46.4	B8		C0	3833	P -57 5521
6	9.6E	9.5*	27 43.183	-0.0028	12	-51 26 48.21	0.002	12	0.66	43.320	31	01.3	48.29	31	01.3	A0		CZ	10438	P -51 5222
7	9.1	9.4W	27 49.759	-0.0041	07	-56 46 22.61	0.014	07	0.14	49.774	14	46.4	22.66	14	46.4	A0		C0	3834	P -56 5260
8	9.7	9.7W	27 52.065	0.0002	13	-57 19 12.01	-0.015	13	0.15	52.064	14	46.4	11.96	14	46.4	A0		C0	3835	P -56 5261
9	9.8	10.0W	27 53.284	-0.0080	14	-58 14 36.42	0.012	14	0.15	53.312	14	46.4	36.46	14	46.4	B9	O	C0	3836	P -57 5524
10	9.0	8.6W	27 59.054	-0.0080	07	-57 54 41.78	-0.005	07	0.14	59.083	14	46.4	41.76	14	46.4	F8		C0	3837	P -57 5525
11	9.6E	9.0Z	28 1.466	0.0060	12	-50 50 4.79	-0.072	12	0.64	1.179	31	02.3	1.33	28	02.3	G0		CZ	10441	P -50 5232
12	8.2	8.2W	28 5.288	-0.0040	07	-55 3 54.28	-0.012	07	0.18	5.334	15	38.4	54.13	18	38.4	F0		C9	4696	P -54 5225
13	10.1		28 11.493	-0.0071	13	-59 41 52.73	-0.021	13	0.15	11.519	14	46.4	52.66	14	46.4	B9	O	C0	3838	P -59 4275
14	9.8E	9.5Z	28 12.214	-0.0011	12	-51 33 38.94	-0.017	12	0.82	12.264	63	03.3	38.13	57	03.3	F5		CZ	10444	P -51 5231
15	9.3	9.5W	28 13.172	-0.0083	14	-54 1 40.75	0.016	14	0.23	13.269	15	38.4	40.93	18	38.4	A2		C9	4697	P -53 5183
16		9.3T	28 15.957	-0.0072	14	-55 47 26.42	-0.008	14	0.66	16.292	19	07.9	26.03	21	03.4	G5		GC	17049	P -55 5105
17	8.8	8.9W	28 17.067	-0.0063	07	-59 15 52.41	-0.014	07	0.14	17.090	14	46.4	52.36	14	46.4	B9		C0	3839	P -58 4335
18	9.1	9.3W	28 17.505	-0.0024	05	-55 59 49.76	-0.011	05	0.18	17.533	15	38.4	49.63	18	38.4	A0		C9	4698	P -55 5106
19		1.6H	28 22.727	0.0035	02	-56 50 0.33	-0.267	02	0.09	22.607	05	15.5	-50.89	05	14.6	M3		F4	468	P -56 5272
20	10.1	9.7W	28 27.419	0.0026	14	-52 2 42.30	-0.033	14	0.23	27.389	15	38.4	41.92	18	38.4	G0		C9	4699	P -51 5234
21	9.7	9.9W	28 28.540	-0.0036	12	-57 42 44.65	0.005	12	0.15	28.553	14	46.4	44.66	14	46.4	A0		C0	3841	P -57 5529
22		6.7T	28 29.606	0.0006	15	-56 48 17.54	-0.004	12	0.68	29.577	21	04.6	17.33	19	01.4	A2		GC	17055K	P -56 5274
23	8.8	7.4W	28 30.434	-0.0004	06	-52 30 58.30	-0.007	06	0.18	30.439	15	38.4	58.22	18	38.4	K0		C9	4700	P -52 5651
24	9.1E	9.2Z	28 33.150	-0.0036	12	-51 46 32.87	-0.015	12	0.82	33.318	63	03.3	32.15	57	03.3	F8		CZ	10448	P -51 5238
25	9.4	8.7W	28 36.218	0.0066	05	-56 42 4.24	0.006	05	0.14	36.194	14	46.4	4.26	14	46.4	G5		C0	3843	P -56 5275
26	9.9	10.0W	28 37.181	-0.0007	12	-52 52 32.80	-0.007	12	0.22	37.189	15	38.4	32.72	18	38.4	A0		C9	4701	P -52 5653
27		5.4T	28 51.856	-0.0018	08	-59 8 52.22	-0.008	05	0.27	51.931	10	13.9	51.89	10	09.2	F8F		GC	17065	P*-58 4344
28	9.5	8.5W	29 0.691	-0.0011	07	-55 4 56.87	-0.003	07	0.18	0.704	15	38.4	56.83	18	38.4	K0		C9	4702	P -54 5231
29	9.8	9.7W	29 2.602	0.0003	15	-54 29 19.18	0.013	15	0.24	2.599	15	38.4	19.33	18	38.4	A0		C9	4703	P -54 5232
30	8.8	8.9W	29 2.797	-0.0005	06	-55 50 39.19	0.013	06	0.18	2.803	15	38.4	39.33	18	38.4	A0		C9	4704	P -55 5115
31	9.2	9.2W	29 4.649	-0.0060	07	-53 41 6.92	0.018	07	0.18	4.719	15	38.4	7.13	18	38.4	A2		C9	4705	P -53 5191
32		7.3T	29 5.625	-0.0231	14	-58 0 52.70	0.001	11	0.59	6.722	19	06.7	52.75	18	02.5	F2		GC	17074	P -57 5536
33	9.7E	9.0Z	29 13.118	0.0001	12	-50 11 44.04	0.017	12	0.68	13.116	45	06.9	44.80	45	06.9	K0		CZ	10456	P -49 5255
34		7.6T	29 14.996	0.0001	15	-56 0 44.72	-0.011	14	0.74	14.991	22	02.5	44.16	22	00.7	B9		GC	17080	P -55 5117
35	7.5	7.8W	29 16.161	0.0002	06	-53 2 22.93	-0.001	06	0.18	16.159	15	38.4	22.92	18	38.4	A0		C9	4707	P -52 5663
36	8.7	7.7W	29 20.438	0.0011	13	-57 3 49.71	-0.041	13	0.15	20.434	14	46.4	49.56	14	46.4	K0		C0	3847	P -56 5285
37		6.6T	29 21.872	-0.0048	10	-55 51 12.82	0.013	09	0.53	22.139	19	98.8	13.52	18	94.3	K2		GC	17083	P -55 5120
38	8.5	8.2W	29 30.018	-0.0130	06	-56 11 29.65	-0.027	06	0.14	30.065	14	46.4	29.55	14	46.4	F8		C0	3848	P -55 5122
39	9.8E	9.7Z	29 37.840	-0.0012	12	-50 24 58.41	-0.018	12	0.71	37.893	45	03.8	57.60	45	03.8			CZ	10463	P -50 5256
40	9.8E	8.5Z	29 40.031	-0.0031	12	-50 57 8.96	0.007	12	0.71	40.174	45	03.8	9.26	45	03.8	K2		CZ	10464	P -50 5257
41	7.7	7.9W	29 40.573	-0.0015	06	-59 37 14.60	-0.011	06	0.14	40.579	14	46.4	14.56	14	46.4	A0		C0	3849	P -59 4296
42	9.8E	8.5Z	29 47.637	-0.0017	12	-51 10 3.96	-0.001	12	0.71	47.717	45	03.8	3.89	45	03.8	K2		CZ	10467	P -50 5262
43	9.6	7.8W	29 56.715	-0.0032	06	-56 1 56.95	-0.001	06	0.18	56.753	15	38.4	56.93	18	38.4	K2		C9	4709	P -55 5128
44	9.6	9.1W	30 5.685	-0.0052	06	-58 4 47.12	-0.012	06	0.14	5.704	14	46.4	47.08	14	46.4	G0		C0	3850	P -57 5543
45	10.0E	9.5Z	30 6.127	-0.0032	12	-50 54 45.87	-0.014	12	0.71	6.274	45	03.8	45.22	45	03.8			CZ	10470	P -50 5267
46	8.5	8.6W	30 8.284	-0.0019	07	-59 10 4.95	-0.021	07	0.14	8.291	14	46.4	4.88	14	46.4	B3		C0	3851	P -58 4355
47	8.5	8.6W	30 13.285	-0.0001	07	-56 58 16.65	-0.020	07	0.14	13.285	14	46.4	16.58	14	46.4	A0		C0	3852	P -56 5296
48	9.9E	9.5Z	30 17.169	-0.0013	12	-51 4 57.96	-0.007	12	0.64	17.230	31	02.3	57.63	28	02.3	A		CZ	10473	P -50 5270
49	9.6	9.7W	30 18.778	-0.0031	07	-55 18 0.02	-0.019	07	0.18	18.814	15	38.4	0.25	18	38.4	A0		C9	4710	P -54 5239
50		6.7T	30 26.792	-0.0024	12	-51 48 24.88	-0.019	11	0.58	26.902	17	03.4	23.88	17	97.9	A0		GC	17101	C -51 6792
51		7.4T	12 30 30.712	0.0083	14	-50 22 30.29	0.031	10	0.65	30.295	18	00.1	31.98	17	95.5	F8		GC	17102	C -49 7184
52	9.4E	9.6Z	30 31.028	-0.0023	12	-50 15 41.97	-0.018	12	0.68	31.127	45	06.9	41.18	45	06.9			CZ	10477	P -49 5274
53	9.0	8.0W	30 32.253	0.0002	06	-53 4 29.74	0.006	06	0.18	32.251	15	38.4	29.80	18	38.4	K0		C9	4711	P -52 5680
54		7.7T	30 32.408	0.0005	14	-57 26 26.50	-0.016	11	0.61	32.383	19	05.5	25.73	18	01.2	A0		GC	17104	P -57 5547
55	10.0E	9.0Z	30 32.711	-0.0019	12	-50 59 14.15	-0.010	12	0.71	32.798	45	03.8	13.68	45	03.8	G5		CZ	10480	P -50 5273
56		7.4T	30 32.982	-0.0065	13	-54 42 18.42	-0.005	10	0.62	33.288	21	02.6	18.18	19	96.6	A2		GC	17105	P*-54 5241
57	9.8		30 38.994	-0.0049	12	-54 14 19.37	0.003	12	0.22	39.050	15	38.4	19.41	18	38.4	A0		C9	4713	P -53 5202
58	9.1	9.0W	30 51.537	-0.0003	07	-53 34 27.48	0.002	07	0.18	51.540	15	38.4	27.51	18	38.4	A5		C9	4714	P -53 5205
59	8.4	8.7W	31 1.486	-0.0021	07	-57 50 23.96	0.005	07	0.14	1.494	14	46.4	23.98	14	46.4	B8		C0	3854	P -57 5553
60	8.2	8.6W	31 3.068	-0.0015	07	-57 41 53.18	0.026	07	0.14	3.074	14	46.4	53.28	14	46.4	B9		C0	3855	P -57 5554
61		7.7T	31 10.368	-0.0059	13	-56 17 41.17	-0.010	12	0.65	10.668	21	03.1	40.67	19	99.1	A2		GC	17119	P -55 5133
62	8.9	8.7W	31 12.347	-0.0150	07	-58 58 55.61	-0.009	07	0.14	12.401	14	46.4	55.58	14	46.4	F2		C0	3857	P -58 4368
63		8.0T	31 12.657	-0.0074	14	-55 51 8.43	0.002	10	0.63	13.046	21	04.2	8.55	19	97.4	K0		GC	17123	P -55 5135
64	9.0	8.7W	31 13.819	-0.0016	07	-57 15 21.14	0.012	07	0.14	13.825	14	46.4	21.18	14	46.4	G0		C0	3858	P -56 5311
65	7.8	8.0W	31 19.583	-0.0007	06	-53 29 52.90	-0.025	06	0.18	19.591	15	38.4	52.61	18	38.4	A0		C9	4716	P -53 5209
66	9.8E	9.5Z	31 25.527	0.0000	12	-51 25 24.10	-0.013	12	0.82	25.526	63	03.3	23.49	57	03.3			CZ	10494	P -51 5292
67	9.7	9.8W	31 28.729	-0.0041	07	-58 26 28.68	-0.029	07	0.14	28.743	14	46.4	28.58	14	46.4	A0		C0	3859	P -58 4373
68	9.7	9.3W	31 31.242	-0.0154	07	-52 6 31.22	0.025	07	0.18	31.421	15	38.4	31.50	18	38.4	G0		C9	4717	P -51 5296
69	9.2E	9.3Z	31 39.456	-0.0044	12	-51 22 13.30	-0.003	12	0.82	39.660	63	03.3	13.15	57	03.3	A2		CZ	10498	P -50 5286
70	8.4	7.9W	31 40.705	-0.0024	06	-58 3 20.65	0.009	06	0.14	40.713	14	46.4	20.68	14	46.4	G0		C0	3860	P -57 5560
71	10.0	9.2W	31 51.847	-0.0029	07	-52 52 12.67	-0.014	07	0.18	51.881	15	38.4	12.50	18	38.4	G5		C9	4718	P -52 5691
72	8.8	8.8W	31 56.676	0.0002	07	-57 25 54.98	0.001	07	0.14	56.675	14	46.4	54.98	14	46.4	A2		C0	3861	P -57 5563
73	9.7E	9.0Z	31 57.499	-0.0003	12	-50 39 27.31	-0.011	12	0.71	57.511	45	03.8	26.78	45	03.8	G5		CZ	10504	P -50 5295
74	9.5	9.2W	32 5.770	-0.0010	07	-57 57 7.98	-0.027	07	0.14	5.774	14	46.4	7.88	14	46.4	A2		C0	3862	P -57 5566
75	9.1	9.3W	32 14.259	-0.0005	07	-59 5 49.82	-0.010	07	0.14	14.261	14	46.4	49.78	14	46.4	B8		C0	3863	P -58 4378
76	9.7	9.7W	32 23.517	-0.0029	09	-52 5 39.74	-0.011	09	0.20	23.551	15	38.4	39.60	18	38.4	A3		C9	4719	P -51 5304
77	8.9	8.7W	32 26.422	-0.0061	07	-55 37 2.41	0.003	07	0.18	26.493	15	38.4	2.45	18	38.4	F0		C9	4720	P -55 5145
78	9.8E	9.4Z	32 28.378	-0.0042	12	-50 20 40.13	-0.003	12	0.71	28.573	45	03.8	39.98	45	03.8	K0		CZ	10514	P -49 5306
79	8.9E	8.5Z	32 31.797	-0.0060	12	-51 24 0.71	0.005	12	0.82	32.076	63	03.3	0.94	57	03.3	F8		CZ	10515	P -50 5300
80	9.8	8.4W	32 32.309	-0.0036	07	-52 8 24.55	0.012	07	0.18	32.351	15	38.4	24.40	18	38.4	K2		C9	4721	P -51 5305
81	8.6	8.9W	32 39.082	-0.0033	07	-57 40 17.00	0.023	07	0.14	39.094	14	46.4	17.08	14	46.4	B9		C0	3864	P -57 5574
82	9.7	9.3W	32 48.840	-0.0035	07	-54 18 40.01	0.000	07	0.18	48.880	15	38.4	40.01	18	38.4	F8		C9	4722	P -53 5219
83	9.9	9.3W	33 5.401	-0.0060	12	-53 5 55.06	-0.099	12	0.22	5.470	15	38.4	53.90	18	38.4	G5		C9	4723	P -52 5710
84	9.7	9.4W	33 14.711	-0.0012	13	-57 10 53.19	-0.031	13	0.15	14.715	14	46.4	53.08	14	46.4	A2		C0	3865	P -56 5334
85	8.6E	8.4H	33 20.766	-0.0024	12	-50 22 43.34	-0.030	12	0.64	20.879	31	02.3	41.89	28	02.3	A2		CZ	10526	P -49 5316
86		6.8T	33 25.497	0.0014	12	-52 8 32.42	-0.017	09	0.54	25.430	15	02.8	31.52	15	97.6	K2		GC	17168	C -51 6827
87	9.6	9.4W	33 34.558	-0.0054	07	-54 25 48.64	-0.020	07	0.18	34.620	15	38.4	48.41	18	38.4	F5		C9	4725	P -54 5268
88	10.4		33 53.521	-0.0069	12	-52 29 13.87	0.003	12	0.22	53.601	15	38.4	13.90	18	38.4	F2	O	C9	4726	P -52 5723
89		6.6T	34 0.676	-0.0046	10	-50 3 36.73	-0.031	08	0.40	0.867	15	08.8	35.36	15	05.7	A0		GC	17177K	C -49 7233
90	9.1	9.4W	34 4.842	-0.0025	07	-59 13 56.58	-0.001	07	0.14	4.851	14	46.4	56.58	14	46.4	B9		C0	3866	P -58 4402
91	10.0	10.1W	34 22.158	-0.0073	11	-57 35 46.98	0.001	11	0.15	22.184	14	46.4	46.98	14	46.4	A2		C0	3867	P -57 5594
92	10.0E	9.2Z	34 22.549	-0.0037	12	-51 12 18.98	-0.015	12	0.64	22.726	31	02.3	18.24	28	02.3	F5		CZ	10539	P -50 5333
93	8.5	8.7W	34 27.245	0.0001	06	-56 30 46.80	-0.005	06	0.14	27.245	14	46.4	46.78	14	46.4	B5		C0	3868	P -56 5346
94	9.7E	9.5H	34 37.524	-0.0055	12	-50 33 58.93	-0.025	12	0.71	37.779	45	03.8	57.78	45	03.8	F8		CZ	10542	P -50 5337
95		8.2T	34 43.486	-0.0017	18	-57 48 49.20	-0.007	12	0.65	43.553	21	10.8	48.90	19	09.8	A0		GC	17191	P -57 5600
96	8.7	9.0W	34 58.937	-0.0019	06	-57 58 42.31	-0.008	06	0.14	58.944	14	46.4	42.28	14	46.4	A0		C0	3870	P -57 5601
97	9.2	8.0W	35 0.377	0.0006	06	-57 4 29.60	-0.034	06	0.14	0.375	14	46.4	29.48	14	46.4	K0		C0	3871	P -56 5352
98		8.0T	35 0.573	-0.0044	15	-57 35 25.65	0.008	11	0.63	0.778	21	06.5	26.01	19	03.1	B9		GC	17197	P -57 5602
99	9.8	9.4W	35 0.680	-0.0070	07	-53 15 18.07	-0.023	07	0.18	0.761	15	38.4	17.80	18	38.4	F8		C9	4727	P -52 5738
00	10.4		35 7.606	0.0013	14	-52 14 12.86	-0.030	14	0.23	7.591	15	38.4	12.51	18	38.4	A2	O	C9	4728	P -51 5350

240100 — EPOCH 1950 — ORIGINAL EPOCH — -50° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6	9.7W	12 35 8.553	-0.0058	14	-57 44 54.99	-0.002	14	0.15	8.574	14	46.4	54.98	14	46.4	B9		CD	3873	P -57 5605
2	9.7	9.8W	35 10.885	-0.0018	06	-59 28 56.45	-0.018	06	0.14	10.891	14	46.4	56.38	14	46.4	A0		CD	3874	P -59 4348
3	8.7	8.8W	35 15.206	-0.0011	06	-59 38 53.38	-0.001	06	0.14	15.210	14	46.4	53.38	14	46.4	B9		CD	3875	P -59 4349
4		7.0T	35 18.073	-0.0036	08	-55 39 21.23	-0.002	07	0.43	18.277	17	01.4	21.13	17	92.9	A2		GC	17200K	P*-55 5161
5	9.5	9.4W	35 25.243	-0.0007	15	-54 37 54.70	-0.016	15	0.24	25.250	15	38.4	54.52	18	38.4	A0		C9	4730	P -54 5279
6	9.6	9.7W	35 26.856	-0.0042	09	-59 0 38.62	0.018	09	0.14	26.871	14	46.4	38.68	14	46.4	B9		CD	3876	P -58 4409
7	8.4	8.2W	35 33.622	-0.0061	06	-57 42 45.99	-0.032	06	0.14	33.644	14	46.4	45.88	14	46.4	G0		CD	3877	P -57 5608
8	10.1	8.8W	35 36.326	-0.0039	12	-52 48 7.30	-0.008	12	0.22	36.370	15	38.4	7.20	18	38.4	K2		C9	4731	P -52 5748
9	9.4E	9.1N	35 39.047	-0.0025	12	-50 14 56.30	-0.041	12	0.68	39.153	45	06.9	54.52	45	06.9	G5		CZ	10552	P -49 5343
10	9.9	8.8W	35 53.135	-0.0022	12	-52 53 55.82	-0.001	12	0.22	53.160	15	38.4	55.80	18	38.4	K0		C9	4732	P -52 5752
11	8.9	9.0W	35 56.693	-0.0041	08	-53 20 34.46	0.004	08	0.19	56.740	15	38.4	34.50	18	38.4	A2		C9	4733	P*-52 5754
12	8.7E	8.0Z	36 2.175	-0.0075	12	-50 36 27.19	-0.011	12	0.71	2.522	45	03.8	26.66	45	03.8	G0		CZ	10558	P -50 5354
13	8.6	8.3W	36 3.983	-0.0007	06	-52 28 34.60	0.009	06	0.18	3.991	15	38.4	34.70	18	38.4	F8		C9	4734	P -52 5755
14	9.1	9.2W	36 5.477	-0.0012	09	-54 42 51.34	-0.010	09	0.20	5.490	15	38.4	51.22	18	38.4	A2		C9	4735	P*-54 5284
15	10.0E	9.3Z	36 10.878	-0.0039	12	-51 15 14.81	-0.013	12	0.71	19.059	45	03.8	14.18	45	03.8	A2		CZ	10561	P -50 5358
16	10.4	9.0W	36 16.917	-0.0021	07	-53 14 31.58	0.002	07	0.18	16.940	15	38.4	31.60	18	38.4	K2		C9	4736	P -52 5760
17	9.0	8.8W	36 24.186	-0.0039	15	-54 16 30.71	0.000	15	0.24	24.230	15	38.4	30.71	18	38.4	F2		C9	4737	P*-53 5249
18	9.5	8.9W	36 24.910	0.0015	07	-57 2 56.39	-0.003	07	0.14	24.905	14	46.4	56.38	14	46.4	G5		CD	3878	P -56 5370
19	8.8E	9.0Z	36 31.521	-0.0008	12	-51 30 57.78	-0.002	12	0.66	31.560	31	01.3	57.66	31	01.3	A2		CZ	10565	P -51 5378
20	8.8	8.6W	36 31.628	-0.0074	07	-55 22 44.63	-0.015	07	0.18	31.714	15	38.4	44.45	18	38.4	F8		C9	4738	P -54 5289
21	9.6E	9.6Z	36 44.877	-0.0021	12	-50 20 56.20	-0.008	12	0.71	44.973	45	03.8	55.81	45	03.8			CZ	10569	P -49 5356
22	10.1		36 48.076	-0.0013	07	-52 5 55.29	0.001	07	0.18	48.091	15	38.4	55.30	18	38.4	A0		C9	4739	P -51 5380
23	10.2	9.5W	36 52.828	-0.0158	07	-51 59 2.54	-0.003	07	0.18	53.011	15	38.4	2.50	18	38.4	K0		C9	4740	P -51 5383
24	9.5	9.7W	36 58.134	-0.0040	07	-52 26 15.40	-0.008	07	0.18	58.181	15	38.4	15.30	18	38.4	A0		C9	4741	P -52 5770
25	9.5	9.3W	37 6.016	-0.0054	06	-57 28 47.76	0.005	06	0.14	6.035	14	46.4	47.78	14	46.4	F8		CD	3879	P -57 5620
26	8.6	8.6W	37 8.902	0.0002	06	-59 18 42.50	-0.005	06	0.14	8.901	14	46.4	42.48	14	46.4	B9		CD	3880	P -58 4426
27	10.2	9.9W	37 9.638	-0.0132	15	-54 29 51.07	-0.031	15	0.24	9.790	15	38.4	50.71	18	38.4	G0		C9	4742	P -54 5296
28	10.2	9.9W	37 10.163	-0.0034	13	-56 40 58.14	-0.074	13	0.15	10.175	14	46.4	57.88	14	46.4	F8		CD	3881	P -56 5378
29	10.3		37 10.394	-0.0006	14	-52 10 25.83	-0.019	14	0.23	10.401	15	38.4	20.60	18	38.4	A2		C9	4743	P -51 5390
30	10.5	8.8W	37 11.945	-0.0022	07	-52 22 37.47	0.003	07	0.18	11.971	15	38.4	37.50	18	38.4	K5		C9	4744	P -51 5391
31	10.1		37 31.256	-0.0039	07	-59 32 42.78	-0.001	07	0.14	31.270	14	46.4	42.78	14	46.4	A0		CD	3882	P -59 4375
32	10.7E	9.5*	37 36.421	-0.0013	12	-50 40 36.59	0.009	12	0.64	36.484	31	02.3	37.03	28	02.3	K0		CZ	10582	P -50 5380
33	9.6	8.5W	37 37.040	-0.0018	07	-53 35 45.73	-0.002	07	0.18	37.060	15	38.4	45.71	18	38.4	G5		C9	4745	P -53 5259
34	10.0	10.0W	37 38.832	0.0010	12	-53 17 26.62	-0.001	12	0.22	38.821	15	38.4	26.60	18	38.4	F0		C9	4746	P -52 5782
35	9.9	9.6W	37 39.141	-0.0039	07	-56 34 49.48	-0.027	07	0.14	39.155	14	46.4	49.38	14	46.4	F2		CD	3883	P -56 5382
36	9.5E	8.7Z	37 40.429	-0.0022	12	-50 14 7.02	-0.010	12	0.68	40.522	45	06.9	6.56	45	06.9	K0		CZ	10584	P -49 5366
37	10.0		37 43.207	0.0049	15	-53 47 15.46	0.004	15	0.24	43.150	15	38.4	15.51	18	38.4	A2		C9	4747	P -53 5261
38	10.2		37 44.136	-0.0047	12	-53 1 12.57	-0.005	12	0.22	44.190	15	38.4	12.50	18	38.4	A3		C9	4748	P -52 5784
39	9.3	9.4W	37 48.566	0.0004	06	-57 24 56.10	-0.007	06	0.14	48.565	14	46.4	56.08	14	46.4	A0		CD	3884	P -57 5628
40	10.9		37 54.417	-0.0046	14	-53 17 48.59	-0.033	14	0.23	54.470	15	38.4	48.20	18	38.4	G5	O	C9	4749	P -52 5788
41	9.1	7.8W	37 55.382	-0.0091	05	-57 21 24.81	-0.008	05	0.14	55.415	14	46.4	24.78	14	46.4	K0		CD	3885	P -56 5384
42	10.1	10.1W	37 59.299	-0.0055	15	-55 34 53.07	0.032	15	0.24	59.363	15	38.4	53.45	18	38.4	A0		C9	4750	P -55 5178
43	10.2	9.7W	38 0.650	-0.0070	14	-52 57 43.58	-0.092	14	0.23	0.730	15	38.4	42.50	18	38.4	G5		C9	4751	P -52 5791
44	8.7	9.0W	38 10.848	-0.0015	06	-57 58 46.07	0.002	06	0.14	10.854	14	46.4	46.08	14	46.4	B9		CD	3886	P -57 5632
45	9.4	9.2W	38 18.615	-0.0053	06	-58 2 31.62	-0.012	06	0.14	18.634	14	46.4	31.58	14	46.4	F8		CD	3887	P -57 5633
46	9.9	10.1W	38 20.434	-0.0066	15	-54 50 26.34	-0.002	15	0.24	20.510	15	38.4	26.32	18	38.4	A0		C9	4752	P -54 5302
47	9.2	9.3W	38 24.925	-0.0042	15	-55 3 5.85	0.009	15	0.24	24.974	15	38.4	19.95	18	38.4	A2		C9	4753	P -54 5303
48	9.9	9.8W	38 28.196	-0.0031	07	-55 42 6.02	0.028	07	0.18	28.233	15	38.4	6.35	18	38.4	A0		C9	4754	P -55 5181
49	10.1		38 31.984	0.0003	08	-51 59 44.46	-0.013	08	0.19	31.981	15	38.4	44.30	18	38.4	A5		C9	4755	P -51 5402
50			38 32.500	0.0002	06	-59 31 11.46	0.005	06	0.14	32.500	14	46.4	11.48	14	46.4	F5		CD	3888V	P*-59 4388
51	10.3	10.1W	12 38 33.434	-0.0032	12	-53 20 6.75	-0.012	12	0.22	33.470	15	38.4	6.60	18	38.4	F		C9	4756	P -52 5796
52	8.2	7.9W	38 37.907	0.0003	06	-56 1 50.11	-0.016	06	0.14	37.906	14	46.4	50.17	14	46.4	F8		CD	3889	P -55 5182
53	9.5	9.5W	38 38.108	-0.0067	06	-58 38 57.31	-0.009	06	0.14	38.131	14	46.4	57.28	14	46.4	A0		CD	3890	P -58 4438
54	9.7E	9.0Z	38 38.723	-0.0056	12	-50 50 15.77	-0.010	12	0.66	38.982	36	04.0	15.29	36	04.0	F5		CZ	10599	P -50 5393
55	9.8	8.9W	38 41.874	-0.0075	07	-54 14 34.27	-0.023	07	0.18	41.960	15	38.4	34.01	18	38.4	G5		C9	4758	P -53 5275
56	9.1	8.3W	38 42.007	-0.0029	06	-52 34 30.38	-0.015	06	0.18	42.040	15	38.4	30.20	18	38.4	K0		C9	4759	P -52 5798
57	9.8	9.2W	38 45.855	0.0080	07	-56 21 27.14	-0.130	07	0.14	45.826	14	46.4	26.67	14	46.4	G5		CD	3891	P -55 5183
58	8.9	9.0W	38 52.774	0.0001	06	-57 59 19.90	-0.006	06	0.14	52.774	14	46.4	19.88	14	46.4	A2		CD	3892	P -57 5643
59	8.8	9.0W	38 56.460	-0.0011	07	-55 38 12.28	-0.020	07	0.18	56.473	15	38.4	12.05	18	38.4	A0		C9	4760	P -55 5187
60	8.3	8.3W	38 59.084	-0.0040	06	-52 36 3.65	0.005	06	0.18	59.130	15	38.4	3.70	18	38.4	A5		C9	4761	P -52 5802
61		5.0T	39 3.038	-0.0027	07	-59 24 41.63	-0.006	05	0.27	3.157	12	11.9	41.38	12	06.1	B8P		GC	17268	P*-59 4393
62	10.0		39 7.526	-0.0029	13	-56 16 11.51	-0.040	13	0.15	7.536	14	46.4	11.37	14	46.4	B8		CD	3894	P -55 5188
63	10.4		39 7.641	0.0009	11	-52 3 1.83	-0.002	11	0.21	7.631	15	38.4	1.80	18	38.4	F2	O	C9	4762	P -51 5411
64	8.1	7.6W	39 9.825	0.0100	06	-57 30 5.73	-0.043	06	0.14	9.784	14	46.4	5.58	14	46.4	G5		CD	3895	P -57 5644
65		6.6T	39 16.189	-0.0049	12	-54 29 12.58	0.022	08	0.57	16.431	21	00.6	13.80	18	93.1	K5		GC	17274	P*-54 5306
66	9.0	8.8W	39 16.248	0.0034	07	-56 10 10.22	-0.013	07	0.14	16.236	14	46.4	10.17	14	46.4	F5		CD	3896	P -55 5189
67	10.4		39 17.188	-0.0044	11	-57 38 19.58	0.001	11	0.15	17.204	14	46.4	19.58	14	46.4	B8		CD	3897	P -57 5645
68	8.8E	8.5Z	39 28.813	-0.0015	12	-51 51 20.09	0.000	12	0.81	28.882	63	04.3	20.10	57	04.3	F5		CZ	10610	P -51 5418
69	9.3E	9.0Z	39 30.721	-0.0051	12	-51 40 28.55	-0.032	12	0.81	30.954	63	04.3	27.07	57	04.3	G5		CZ	10611	P -51 5420
70	9.2	9.2W	39 32.833	-0.0051	07	-55 52 19.03	0.010	07	0.18	32.893	15	38.4	19.15	18	38.4	B8		C9	4764	P -55 5190
71	9.5E	9.5Z	39 39.928	-0.0106	12	-51 32 9.54	-0.078	12	0.81	40.412	63	04.3	5.95	57	04.3	G5		CZ	10614	P -51 5425
72	9.5	9.5W	39 48.478	0.0035	13	-56 35 58.82	-0.011	13	0.15	48.465	14	46.4	58.78	14	46.4	A0		CD	3898	P -56 5397
73		7.1T	39 48.847	-0.0038	12	-54 15 52.52	0.002	09	0.56	49.029	21	02.2	52.65	19	95.9	A0		GC	17283	P -53 5285
74	9.7E	9.0Z	39 50.305	-0.0063	12	-50 40 32.77	-0.012	12	0.70	50.393	45	04.3	32.24	45	04.3	F5		CZ	10618	P -50 5405
75	8.0	8.2W	39 54.854	-0.0027	06	-58 12 17.68	0.001	06	0.14	54.864	14	46.4	17.68	14	46.4	B9		CD	3899	P -57 5652
76		6.2T	39 58.482	-0.0052	07	-55 40 22.55	-0.023	05	0.27	58.723	12	10.2	21.49	12	03.3	B9		GC	17288	P*-55 5194
77	10.0E	9.6Z	40 5.359	-0.0023	12	-51 46 47.81	-0.010	12	0.81	5.465	63	04.3	47.36	57	04.3			CZ	10623	P -51 5431
78	8.7E	8.8M	40 6.530	-0.0034	12	-50 32 33.54	-0.017	12	0.64	6.692	31	02.7	32.75	28	02.7	F0		CZ	10624	P -50 5409
79		6.2T	40 17.639	-0.0046	06	-55 54 7.79	-0.014	05	0.27	17.851	12	10.0	7.15	12	03.7	B8		GC	17294	P*-55 5197
80	9.7	9.2W	40 19.077	-0.0021	07	-57 28 7.99	-0.004	07	0.14	19.085	14	46.4	7.98	14	46.4	G0		CD	3901	P -57 5657
81	9.7	8.6W	40 24.198	0.0006	07	-54 8 9.73	-0.019	07	0.18	24.190	15	38.4	9.51	18	38.4	K0		C9	4768	P -53 5291
82	10.3		40 24.260	-0.0038	15	-55 0 12.26	0.017	15	0.24	24.304	15	38.4	12.45	18	38.4	A2		C9	4769	P -54 5313
83		6.5T	40 34.876	-0.0104	13	-58 37 44.79	-0.015	10	0.58	35.389	17	03.7	44.07	15	00.7	K0		GC	17300K	P -58 4453
84	9.1	9.3W	40 35.949	0.0016	15	-54 22 24.59	0.010	15	0.24	35.930	15	38.4	24.71	18	38.4	B9		C9	4770	P -53 5294
85	9.6E	9.0Z	40 36.298	-0.0031	12	-50 41 55.74	-0.006	12	0.70	36.441	45	04.3	55.48	45	04.3	A2		CZ	10628	P -50 5418
86	8.5	8.7W	40 39.741	-0.0029	06	-59 3 5.22	-0.012	06	0.14	39.751	14	46.4	5.18	14	46.4	B8		CD	3903	P -58 4455
87	8.6	8.4W	40 45.575	-0.0031	06	-53 1 46.20	0.001	06	0.18	40.610	15	38.4	46.20	18	38.4	F0		C9	4771	P -52 5832
88	10.1	9.9W	40 41.766	-0.0047	15	-54 35 56.69	-0.006	15	0.24	41.820	15	38.4	56.62	18	38.4	F0		C9	4772	P -54 5315
89	9.2	8.9W	40 42.701	-0.0017	07	-52 26 32.38	0.002	07	0.18	42.721	15	38.4	32.40	18	38.4	F2		C9	4773	P -52 5834
90	9.9	9.5W	40 44.373	-0.0007	14	-53 16 12.54	-0.020	14	0.23	44.380	15	38.4	12.31	18	38.4	G0		C9	4774	P -52 5835
91	9.8	9.8W	40 44.905	-0.0042	07	-59 58 48.67	-0.023	07	0.14	44.920	14	46.4	48.58	14	46.4	B9		CD	3904	P -59 4406
92	9.2	9.3W	40 49.879	-0.0019	07	-53 53 52.79	-0.033	07	0.18	49.900	15	38.4	52.41	18	38.4	A2		C9	4775	P -53 5298
93	10.0E	9.5*	40 52.312	-0.0051	12	-51 14 33.31	-0.015	12	0.64	52.554	31	02.6	32.58	28	02.6	G5		CZ	10634	P -50 5422
94	9.4	9.7W	40 58.735	-0.0016	06	-59 3 44.43	-0.016	06	0.14	58.741	14	46.4	44.38	14	46.4	B9		CD	3905	P -58 4458
95	9.4	9.3W	41 12.191	0.0035	15	-53 31 48.11	-0.026	15	0.24	12.150	15	38.4	47.81	18	38.4	A3		C9	4777	P -53 5303
96	9.4	8.3W	41 14.106	0.0039	07	-53 45 41.50	-0.034	07	0.18	14.060	15	38.4	41.11	18	38.4	K0		C9	4778	P -53 5305
97	9.8E	8.5Z	41 16.985	-0.0026	12	-50 51 21.37	-0.013	12	0.70	17.104	45	04.3	20.76	45	04.3	K5		CZ	10638	P -50 5430
98	9.6	9.2W	41 17.475	-0.0048	07	-53 50 12.07	-0.031	07	0.18	17.530	15	38.4	11.71	18	38.4	G0		C9	4779	P -53 5306
99		8.1T	41 20.943	-0.0019	17	-55 57 30.33	-0.014	17	0.76	21.023	22	07.3	29.74	22	07.0	B8		GC	17316	P -55 5291
00	9.7	9.1W	41 28.559	-0.0150	13	-57 14 39.44	0.012	13	0.15	28.595	14	46.4	39.48	14	46.4	K0		CD	3906	P -56 5409

240200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 12H DM NUMBER
1	8.9	8.8W	12 41 30.753	0.0004	06	-58 46 2.51	-0.010	06	0.14	30.751	14	46.4	2.48	14	46.4	A2	C0	3907	P -58 4466
2	9.2	9.0W	41 35.687	-0.0055	15	-54 4 22.56	-0.013	15	0.24	35.750	15	38.4	22.41	18	38.4	F8	C9	4781	P*-53 5309
3		6.8T	41 41.802	-0.0086	14	-57 0 47.53	-0.024	10	0.63	42.245	21	03.9	46.30	19	98.4	A0	GC	17320K	P*-56 5410
4		7.4T	41 49.713	-0.0031	14	-53 48 42.39	-0.005	11	0.64	49.859	21	02.9	42.16	19	98.6	K0	GC	17323	P -53 5313
5	10.21		41 59.989	0.0016	05	-52 29 7.20	-0.008	05	0.18	59.971	15	38.4	7.10	18	38.4	F5 O	C9	4783	P -52 5846
6		8.1T	42 0.960	-0.0006	17	-52 28 56.23	-0.008	10	0.67	0.986	21	04.9	55.82	17	00.5	F2	GC	17327K	P -52 5847
7	9.1	9.0W	42 5.092	-0.0051	08	-52 41 59.18	-0.006	08	0.19	5.150	15	38.4	59.10	18	38.4	A2	C9	4785	P -52 5849
8		7.0T	42 10.491	-0.0088	13	-59 48 9.07	-0.008	09	0.58	10.947	19	03.8	8.67	18	98.4	K2	GC	17331	P -59 4418
9	10.2E	9.9*	42 13.955	-0.0024	12	-51 43 31.34	0.005	12	0.65	14.070	31	01.8	31.55	31	01.8	A2	CZ	10652	P -51 5463
10	9.3	9.5W	42 15.480	-0.0014	07	-56 32 57.54	0.010	07	0.14	15.485	14	46.4	67.58	14	46.4	B8	C0	3910	P -56 5413
11	8.5	8.8W	42 17.531	-0.0053	07	-56 3 19.98	0.014	07	0.18	17.592	15	38.4	20.15	18	38.4	B9	C9	4786	P -55 5208
12	10.2	9.9W	42 20.191	-0.0062	15	-55 27 8.17	0.058	15	0.24	20.264	15	38.4	8.85	18	38.4	A5	C9	4787	P -55 5209
13	8.6E	8.2Z	42 20.671	-0.0021	12	-51 33 53.86	0.009	12	0.81	20.766	63	04.3	54.25	57	04.3	K2	CZ	10653	P -51 5467
14	8.7	7.9W	42 22.204	-0.0227	06	-57 4 58.33	-0.153	06	0.14	22.285	14	46.4	57.78	14	46.4	K0	C0	3911	P -56 5415
15	10.6		42 22.215	-0.0074	15	-52 42 50.66	0.021	15	0.24	22.301	15	38.4	50.90	18	38.4	F2	C9	4788	P -52 5853
16	9.0	9.1W	42 26.179	-0.0027	07	-52 24 8.84	-0.011	07	0.18	26.211	15	38.4	8.70	18	38.4	A2	C9	4789	P -51 5469
17	9.5	9.3W	42 30.072	-0.0008	11	-52 42 48.83	-0.036	11	0.21	30.080	15	38.4	48.40	18	38.4	F2	C9	4790	P -52 5858
18	9.6E	8.8*	42 35.516	-0.0012	12	-50 49 19.68	-0.002	12	0.64	35.574	31	02.7	19.57	28	02.7	K0	CZ	10655	P -50 5449
19		8.3T	42 41.557	0.0015	12	-53 35 17.37	0.008	12	0.62	41.486	21	02.6	17.79	19	99.8	F2	GC	17340	P -53 5317
20	9.5	9.5W	42 51.579	-0.0040	06	-57 56 14.56	0.005	06	0.14	51.594	14	46.4	14.58	14	46.4	A5	C0	3912	P -57 5686
21	9.4E	8.5Z	42 57.882	-0.0019	12	-51 26 14.62	-0.014	12	0.81	57.971	63	04.3	13.97	57	04.3	A0	CZ	10662	P -51 5477
22	8.2	8.0W	42 57.972	-0.0005	06	-58 13 32.49	-0.004	06	0.14	57.973	14	46.4	32.48	14	46.4	F0	C0	3913	P -57 5690
23	9.8	9.4W	43 1.736	-0.0056	12	-52 58 27.44	-0.037	12	0.22	1.800	15	38.4	27.00	18	38.4	F5	C9	4792	P -52 5868
24	9.6	8.7W	43 2.807	-0.0022	07	-57 0 50.96	0.007	07	0.14	2.815	14	46.4	50.98	14	46.4	K0	C0	3914	P -56 5421
25	9.5	9.0W	43 4.517	-0.0038	12	-53 20 36.96	0.013	12	0.22	4.560	15	38.4	37.10	18	38.4	G0	C9	4793	P -52 5869
26	9.7E	9.0Z	43 4.668	-0.0159	12	-51 10 37.37	-0.026	12	0.70	5.395	45	04.3	36.17	45	04.3	G5	CZ	10665	P -50 5453
27	9.6	8.5W	43 11.191	-0.0067	07	-56 56 37.54	-0.017	07	0.14	11.215	14	46.4	37.48	14	46.4	K2	C0	3915	P -56 5423
28	9.4	9.5W	43 12.014	-0.0063	07	-56 12 21.66	-0.025	07	0.14	12.036	14	46.4	21.57	14	46.4	A5	C0	3916	P -55 5214
29		6.7T	43 13.658	-0.0042	09	-54 20 20.61	-0.005	07	0.37	13.828	14	09.5	20.40	12	05.2	K0	GC	17349	P -53 5319
30	10.1		43 26.762	-0.0067	13	-56 27 52.54	-0.018	13	0.15	26.786	14	46.4	52.47	14	46.4	B8	C0	3917	P -56 5428
31			43 26.930	-0.0005	06	-58 51 5.82	-0.012	06	0.14	26.931	14	46.4	5.78	14	46.4	G5	C0	3918V	P*-58 4490
32	9.7	9.7W	43 27.771	0.0009	12	-53 8 33.42	-0.018	12	0.22	27.761	15	38.4	33.20	18	38.4	A0	C9	4795	P -52 5876
33	9.2	8.3W	43 28.628	-0.0016	07	-58 18 6.63	-0.013	07	0.14	28.633	14	46.4	6.58	14	46.4	G5	C0	3919	P -57 5694
34	10.1E	9.5Z	43 28.766	-0.0037	12	-50 35 40.81	-0.054	12	0.70	28.936	45	04.3	38.36	45	04.3	G5	CZ	10672	P -50 5459
35		4.9T	43 29.575	-0.0049	07	-56 12 56.12	-0.031	05	0.30	29.800	14	10.0	54.70	12	03.9	B3	GC	17352K	P*-55 5215
36		9.2T	43 30.665	-0.0075	20	-56 13 47.18	-0.023	17	0.85	31.015	22	07.4	46.12	24	03.2		GC	17353K	P -55 5216
37	9.6	9.6W	43 38.575	-0.0041	07	-59 55 51.13	-0.015	07	0.14	38.590	14	46.4	51.08	14	46.4	A0	C0	3690	P -59 4434
38	9.8	10.1W	43 39.305	-0.0072	07	-59 4 41.05	-0.020	07	0.14	39.331	14	46.4	40.98	14	46.4	B3	C0	3923	P -58 4494
39	9.9	9.3W	43 41.066	-0.0047	14	-52 0 30.86	-0.030	14	0.23	41.121	15	38.4	30.50	18	38.4	G0	C9	4796	P -51 5485
40	9.8	9.5W	43 49.192	-0.0016	12	-53 21 13.77	0.012	12	0.22	49.210	15	38.4	13.90	18	38.4	F8	C9	4797	P -52 5880
41	10.2	9.7W	44 1.841	-0.0052	12	-53 21 49.10	0.001	12	0.22	1.900	15	38.4	49.10	18	38.4	G0	C9	4798	P -52 5884
42	9.3E	9.0Z	44 7.761	-0.0026	12	-50 55 57.67	-0.009	12	0.70	7.881	45	04.3	57.23	45	04.3	K0	CZ	10680	P -50 5465
43	9.3	9.2W	44 10.601	-0.0027	07	-59 15 2.35	-0.020	07	0.14	10.611	14	46.4	2.28	14	46.4	F8	C0	3924	P -58 4504
44	9.9	10.2W	44 12.543	-0.0010	13	-56 20 11.98	-0.002	13	0.15	12.546	14	46.4	11.97	14	46.4	A0	C0	3925	P -55 5225
45	10.1	9.1W	44 15.547	-0.0003	09	-52 9 52.13	-0.019	09	0.20	15.551	15	38.4	51.90	18	38.4	G5	C9	4799	P -51 5490
46	9.5	9.2W	44 16.041	-0.0121	07	-52 38 42.00	0.027	07	0.18	16.181	15	38.4	42.30	18	38.4	F2	C9	4800	P -52 5887
47	8.8	8.6W	44 18.449	-0.0010	07	-54 18 34.10	-0.017	07	0.18	18.460	15	38.4	33.91	18	38.4	F0	C9	4801	P -53 5328
48	9.2	9.3W	44 33.947	-0.0012	07	-54 11 12.29	-0.007	07	0.18	33.960	15	38.4	12.21	18	38.4	A2	C9	4803	P -53 5329
49	8.7	8.9W	44 35.096	-0.0013	06	-52 47 57.48	0.011	06	0.18	35.110	15	38.4	57.60	18	38.4	A2	C9	4804	P -52 5889
50	9.9	9.0W	44 35.658	-0.0046	07	-57 10 5.90	-0.033	07	0.14	35.675	14	46.4	5.78	14	46.4	G5	C0	3926	P*-56 5434
51	9.8	9.8W	12 44 35.940	-0.0026	04	-54 40 9.56	-0.012	04	0.17	35.970	15	38.4	9.42	18	38.4	A0	C9	4805	P -54 5331
52	9.4	9.4W	44 37.229	-0.0020	07	-55 41 20.84	0.009	07	0.18	37.253	15	38.4	20.95	18	38.4	A2	C9	4806	P -55 5227
53		7.3T	44 38.923	0.0024	13	-59 48 29.51	-0.016	10	0.59	38.807	21	05.3	28.73	19	00.6	A2	GC	17368	P -59 4448
54	9.1	9.4W	44 39.118	-0.0023	05	-59 53 29.11	-0.009	05	0.14	39.110	14	46.4	29.08	14	46.4	B9	C0	3928	P -59 4449
55	9.6	9.4W	44 43.496	-0.0048	05	-58 8 34.13	-0.015	05	0.14	43.514	14	46.4	34.08	14	46.4	F8	C0	3929	P -57 5706
56	10.4		44 43.974	-0.0023	14	-52 1 16.40	-0.008	14	0.23	44.001	15	38.4	16.30	18	38.4	F0	C9	4807	P -51 5498
57		7.2T	44 44.259	-0.0030	12	-58 1 28.81	-0.027	11	0.58	44.408	19	02.9	27.44	18	99.8	A5	GC	17373	P -57 5707
58	8.2	8.1W	44 46.653	-0.0029	06	-58 9 33.33	-0.015	06	0.14	46.664	14	46.4	33.28	14	46.4	F0	C0	3931	P -57 5708
59		1.5H	44 47.037	-0.0050	02	-59 24 56.53	-0.017	02	0.08	47.223	04	13.0	55.88	04	11.9	B1	F4	481	P -59 4451
60	9.6	9.7W	44 51.191	-0.0058	14	-58 48 42.44	-0.017	14	0.15	51.211	14	46.4	42.38	14	46.4	B8	C0	3933	P -58 4510
61	10.0	8.4W	44 52.104	-0.0002	06	-56 46 18.36	-0.023	06	0.14	52.105	14	46.4	18.28	14	46.4	K5	C0	3934	P -56 5437
62	10.0	8.7W	44 57.438	-0.0028	12	-53 1 47.14	-0.011	12	0.22	57.470	15	38.4	47.00	18	38.4	K0	C9	4808	P -52 5894
63	9.7E	9.0Z	45 1.465	-0.0033	12	-51 10 15.06	-0.014	12	0.65	1.616	36	04.3	14.41	36	04.3	K0	CZ	10690	P -50 5475
64	9.4E	8.5Z	45 3.435	-0.0010	12	-50 14 21.48	-0.020	12	0.64	3.481	31	02.3	20.50	28	02.3	K0	CZ	10691	P -49 5462
65		7.5T	45 6.091	0.0015	14	-59 19 14.48	-0.015	10	0.58	6.020	19	06.5	13.78	18	01.8	B8	GC	17376	P -58 4514
66	10.2		45 9.024	-0.0059	07	-56 51 41.39	-0.032	07	0.14	9.045	14	46.4	41.28	14	46.4	A0	C0	3936	P*-56 5440
67	8.0	8.0W	45 13.175	-0.0014	06	-59 56 14.16	0.006	06	0.14	13.186	14	46.4	14.18	14	46.4	B0	C0	3937	P -59 4460
68	10.0	8.7W	45 14.213	0.0001	15	-55 55 45.11	-0.040	15	0.24	14.213	15	38.4	44.65	18	38.4	K2	C9	4809	P -55 5233
69	9.4	9.5W	45 21.746	-0.0040	07	-55 34 44.92	-0.024	07	0.18	21.793	15	38.4	44.65	18	38.4	B9	C9	4810	P -55 5234
70	9.8	8.6W	45 29.432	-0.0033	12	-53 19 19.04	0.006	12	0.22	29.470	15	38.4	19.10	18	38.4	K0	C9	4811	P -52 5900
71	10.0E	9.7Z	45 34.602	-0.0018	12	-50 11 32.71	-0.005	12	0.71	34.683	45	03.9	32.46	45	03.9	A5	CZ	10696	P -49 5466
72	8.9	8.0W	45 41.004	-0.0006	05	-52 21 6.37	0.003	05	0.18	41.011	15	38.4	6.40	18	38.4	K0	C9	4812	P -51 5508
73	9.3	9.5W	45 46.542	-0.0051	14	-53 24 33.22	-0.001	14	0.23	46.601	15	38.4	33.20	18	38.4	B9	C9	4813	P -53 5339
74	9.9	10.0W	45 54.327	-0.0048	13	-57 35 23.42	-0.012	13	0.15	54.344	14	46.4	23.38	14	46.4	A0	C0	3938	P -57 5721
75	8.9	8.7W	45 58.630	-0.0042	07	-56 34 53.79	0.053	07	0.14	58.645	14	46.4	53.98	14	46.4	F8	C0	3939	P -56 5448
76	9.8E	8.2Z	46 5.040	-0.0013	12	-51 7 8.68	-0.003	12	0.70	5.100	45	04.3	8.52	45	04.3	K5	CZ	10702	P -50 5484
77	9.6	9.1W	46 9.908	-0.0045	06	-58 10 33.56	0.006	06	0.14	9.923	14	46.4	33.58	14	46.4	F5	C0	3940	P -57 5724
78	9.6	9.2W	46 17.520	0.0034	07	-51 54 56.66	-0.022	07	0.18	17.481	15	38.4	56.40	18	38.4	F5	C9	4814	P -51 5519
79	9.6	9.1W	46 19.502	-0.0092	07	-56 48 33.47	-0.024	07	0.14	19.535	14	46.4	33.38	14	46.4	F8	C0	3941	P -56 5451
80	9.1	9.5W	46 21.829	-0.0036	08	-53 14 21.29	-0.016	08	0.19	21.870	15	38.4	21.10	18	38.4	B9	C9	4815	P -52 5919
81	8.6E	8.5Z	46 24.152	-0.0022	12	-51 9 16.51	-0.014	12	0.70	24.253	45	04.3	15.85	45	04.3	A5	CZ	10706	P -50 5491
82	9.4	9.2W	46 27.758	-0.0002	15	-54 27 0.08	0.002	15	0.24	27.760	15	38.4	0.11	18	38.4	A0	C9	4816	P -54 5340
83	9.6	10.0W	46 30.391	-0.0006	07	-58 23 52.08	-0.001	07	0.14	30.394	14	46.4	52.08	14	46.4	A0	C0	3942	P -57 5726
84	10.0	10.0W	46 30.661	-0.0035	12	-57 39 44.39	-0.002	12	0.15	30.674	14	46.4	44.38	14	46.4	A2	C0	3943	P -57 5727
85	9.2	8.1W	46 32.297	-0.0003	07	-52 17 46.42	-0.010	07	0.18	32.301	15	38.4	46.30	18	38.4	K0	C9	4817	P -51 5524
86	8.9	8.6W	46 38.974	-0.0049	06	-58 36 53.92	0.016	06	0.14	38.991	14	46.4	53.98	14	46.4	F0	C0	3944	P -58 4529
87	9.1	9.4W	46 39.710	0.0000	07	-59 50 30.09	-0.003	07	0.14	39.710	14	46.4	30.08	14	46.4	A0	C0	3945	P -59 4478
88		7.1T	46 48.039	-0.0020	14	-53 5 21.88	-0.011	10	0.62	48.130	21	04.0	21.34	19	98.3	G5	GC	17408	P -52 5927
89	9.3	9.0W	46 48.238	-0.0176	07	-58 43 23.94	0.067	07	0.14	48.302	14	46.4	24.18	14	46.4	G0	C0	3946	P -58 4531
90	10.1	8.6W	46 55.078	-0.0028	07	-53 40 52.27	-0.023	07	0.18	55.110	15	38.4	52.01	18	38.4	K2	C9	4819	P -53 5342
91	9.8E	9.5Z	46 56.795	-0.0021	12	-50 10 25.30	-0.006	12	0.71	56.890	45	03.9	25.00	45	03.9	A0	CZ	10716	P -49 5485
92	7.3E	8.0Z	46 57.749	-0.0040	12	-51 7 13.31	-0.013	12	0.64	57.940	31	02.7	12.68	28	02.7	A2	CZ	10717	P -50 5496
93	10.3E	9.2*	47 0.245	-0.0033	12	-50 34 24.55	-0.013	12	0.64	0.402	31	02.7	23.95	28	02.7	K0	CZ	10718	P -50 5497
94		7.0T	47 0.878	-0.0014	12	-50 3 5.24	-0.023	12	0.67	0.947	21	98.7	4.02	19	96.3	K2	GC	17412	C -49 7408
95	9.2	9.4W	47 2.393	-0.0029	06	-57 44 38.49	-0.003	06	0.14	2.404	14	46.4	38.48	14	46.4	A0	C0	3947	P -57 5735
96	9.9	9.7W	47 5.080	-0.0003	07	-55 16 4.16	-0.044	07	0.18	5.084	15	38.4	3.65	18	38.4	A0	C9	4820	P -54 5342
97	8.9	9.0W	47 5.116	-0.0020	06	-58 19 32.24	-0.016	06	0.14	5.123	14	46.4	32.18	14	46.4	A0	C0	3948	P -57 5736
98	9.7	9.0W	47 9.282	-0.0051	07	-59 43 56.17	0.002	07	0.14	9.300	14	46.4	56.18	14	46.4	G5	C0	3949	P -59 4482
99	9.3	9.2W	47 17.585	-0.0022	07	-52 32 36.28	-0.023	07	0.18	17.610	15	38.4	36.01	18	38.4	F0	C9	4821	P -52 5931
00	8.1	7.9W	47 23.561	-0.0008	06	-57 46 54.50	-0.006	06	0.14	23.564	14	46.4	54.48	14	46.4	F2	C0	3951	P -57 5738

240300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ_{α_2} ″.01	ep.	δ_2 ″	σ_{δ_2} ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 12H DM NUMBER
1	9.8	9.8W	12 47 23.644	0.0003	07	-53 7 53.46	-0.013	07	0.18	23.640	15	38.4	53.30	18	38.4	A3	C9	4822	P -52 5935
2	9.7E	9.5Z	47 32.287	-0.0015	12	-50 45 51.44	-0.006	12	0.70	32.356	45	04.3	51.18	45	04.3	A0	CZ	10725	P -50 5501
3	7.7	7.7W	47 41.314	-0.0032	04	-51 57 43.91	-0.035	04	0.17	41.351	15	38.4	43.51	18	38.4	A2	C9	4823	P -51 5538
4	9.8	8.4W	47 41.337	-0.0046	07	-53 20 7.94	-0.020	07	0.18	41.391	15	38.4	7.71	18	38.4	K2	C9	4824	P*-52 5939
5		7.9T	47 41.368	-0.0020	15	-51 57 43.18	-0.019	14	0.74	41.463	19	01.7	42.22	19	00.4	A2	GC	17426	C -51 7041
6	9.8	10.1W	47 41.910	-0.0010	13	-57 38 7.35	0.008	13	0.15	41.914	14	46.4	7.38	14	46.4	B8	CO	3952	P -57 5739
7		7.1T	47 42.851	-0.0084	16	-57 53 40.76	0.039	13	0.64	43.201	19	09.5	42.37	19	08.3	K5	GC	17427	P -57 5740
8	9.8	9.6W	47 45.118	0.0006	07	-53 9 48.54	-0.020	07	0.18	45.110	15	38.4	48.30	18	38.4	F8	C9	4825	P -52 5942
9	10.0	10.0W	47 48.161	-0.0011	11	-57 1 36.95	-0.046	11	0.15	48.165	14	46.4	36.78	14	46.4	B9	CO	3954	P -56 5458
10	8.4E	8.2Z	47 48.269	-0.0158	12	-51 38 26.91	0.001	12	0.81	48.990	63	04.3	26.93	57	04.3	G5	CZ	10728	P -51 5540
11	9.4	9.5W	47 52.561	-0.0034	07	-52 56 21.97	0.012	07	0.18	52.600	15	38.4	22.10	18	38.4	A0	C9	4826	P -52 5944
12	9.8	10.0W	47 54.388	-0.0011	14	-52 11 50.92	-0.018	14	0.23	54.401	15	38.4	50.71	18	38.4	A2	C9	4827	P -51 5541
13	9.4	8.9W	47 58.277	-0.0161	07	-57 27 0.45	0.037	07	0.14	58.335	14	46.4	0.58	14	46.4	G5	CO	3955	P -57 5743
14		5.9T	48 5.488	-0.0029	07	-52 30 55.06	-0.019	05	0.28	5.602	14	10.5	54.16	12	04.2	A3	GC	17434	P -52 5947
15	8.0	8.2W	48 11.132	-0.0019	07	-55 8 11.59	-0.003	07	0.18	11.154	15	38.4	11.55	18	38.4	B9	C9	4829	P -54 5346
16	9.6	9.4W	48 17.046	-0.0022	07	-57 31 11.14	0.010	07	0.14	17.054	14	46.5	11.18	14	46.5	A3	CO	3956	P -57 5748
17	7.9	8.2W	48 18.265	-0.0017	06	-58 48 0.31	-0.008	06	0.14	18.271	14	46.5	0.28	14	46.5	B8	CO	3957	P -58 4550
18	9.8	10.1W	48 18.375	-0.0025	13	-58 29 48.59	-0.004	13	0.15	18.383	14	46.5	48.58	14	46.5	B5	CO	3958	P -58 4551
19	10.2	9.4W	48 20.738	-0.0028	15	-53 43 33.58	0.019	15	0.24	20.770	15	38.4	33.81	18	38.4	G5	C9	4830	P -53 5352
20	9.8	9.8W	48 24.069	-0.0027	07	-52 27 40.73	-0.019	07	0.18	24.101	15	38.4	40.50	18	38.4	F0	C9	4831	P -52 5957
21	9.2E	9.4Z	48 27.542	-0.0011	12	-51 1 56.30	-0.007	12	0.70	27.594	45	04.3	55.96	45	04.3	A2	CZ	10741	P -50 5517
22	8.6	8.2W	48 36.320	-0.0203	06	-59 0 34.61	-0.009	06	0.14	36.391	14	46.5	34.78	14	46.5	G5	CO	3960	P -58 4555
23	8.9	7.4W	48 38.697	-0.0018	06	-58 12 45.92	-0.012	06	0.14	38.703	14	46.5	45.88	14	46.5	K2	CO	3961	P -57 5749
24	9.7	9.9W	48 43.028	-0.0037	09	-52 19 13.45	-0.021	09	0.20	43.071	15	38.4	13.20	18	38.4	B9	C9	4832	P -51 5556
25	9.9		48 44.853	-0.0048	11	-57 58 38.91	0.020	11	0.15	44.853	14	46.5	38.98	14	46.5	A0	CO	3962	P -57 5750
26	10.0	9.5W	48 46.255	-0.0007	07	-55 1 23.18	-0.029	07	0.18	46.264	15	38.4	22.85	18	38.4	F8	C9	4833	P -54 5349
27	9.3E	9.0Z	48 58.407	-0.0044	12	-51 51 24.79	-0.015	12	0.81	58.609	63	04.3	24.11	57	04.3	F0	CZ	10747	P -51 5561
28	10.0	9.9W	49 3.865	0.0001	07	-55 5 24.53	-0.024	07	0.18	3.864	15	38.4	24.25	18	38.4	F0	C9	4834	P -54 5352
29	8.4E	9.0Z	49 13.765	-0.0041	12	-50 5 33.14	-0.009	12	0.64	13.958	31	02.4	32.69	28	02.4	A0	CZ	10752	P -49 5522
30	10.2E	9.5Z	49 15.539	-0.0001	12	-50 46 3.53	-0.037	12	0.70	15.545	45	04.3	1.86	45	04.3	K0	CZ	10753	P -50 5528
31	8.8E	8.0Z	49 17.157	-0.0024	12	-51 40 22.43	-0.004	12	0.81	17.266	63	04.3	22.22	57	04.3	K2	CZ	10754	P -51 5568
32	9.4	9.1W	49 17.430	-0.0026	15	-54 35 29.95	-0.003	15	0.24	17.460	15	38.4	29.92	18	38.4	F2	C9	4836	P -54 5355
33	8.9	8.4W	49 19.928	-0.0822	07	-56 17 58.85	-0.222	07	0.14	20.216	14	46.5	58.07	14	46.5	G0	CO	3964	P -55 5262
34	9.1	9.2W	49 20.108	-0.0022	07	-56 26 3.60	-0.007	07	0.14	20.116	14	46.5	3.57	14	46.5	B8	CO	3963	P -56 5468
35	9.5	9.2W	49 21.716	-0.0026	13	-57 22 20.96	0.036	13	0.15	21.725	14	46.5	21.08	14	46.5	B5	CO	3965	P -56 5470
36	10.4	8.7W	49 21.852	-0.0033	07	-52 26 16.88	-0.015	07	0.18	21.891	15	38.4	16.70	18	38.4	K5	C9	4837	P -52 5972
37	8.2	8.5W	49 27.259	-0.0012	06	-58 28 30.54	-0.017	06	0.14	30.488	14	46.5	30.48	14	46.5	B9	CO	3966	P -58 4567
38		6.3T	49 30.873	-0.0021	13	-53 33 28.93	0.008	12	0.64	30.972	21	03.2	29.35	19	00.2	K0	GC	17461K	P -53 5359
39	9.5	9.3W	49 36.811	-0.0052	07	-52 35 25.35	-0.055	07	0.18	36.870	15	38.4	24.70	18	38.4	F8	C9	4839	P -52 5975
40	7.7	7.9W	49 37.673	0.0002	07	-52 23 44.91	-0.000	07	0.18	37.671	15	38.4	44.90	18	38.4	B3	C9	4840	P -51 5574
41	8.5	8.6W	49 38.157	-0.0012	07	-52 46 30.63	-0.019	07	0.18	38.170	15	38.4	30.40	18	38.4	A0	C9	4841	P -52 5976
42	9.3	9.3W	49 41.902	-0.0055	07	-58 58 31.51	-0.009	07	0.14	41.921	14	46.5	31.48	14	46.5	A0	CO	3967	P -58 4569
43	9.3E	8.9W	49 42.184	0.0010	12	-51 11 46.55	-0.012	12	0.64	42.138	31	02.4	45.96	28	02.4	A5	CZ	10761	P -50 5533
44		7.7T	49 55.459	-0.0025	16	-52 15 34.14	-0.007	11	0.73	55.580	21	00.8	33.74	19	95.1	A2	GC	17468	C -51 7077
45	9.9	9.5W	49 59.414	-0.0066	14	-53 33 59.52	-0.001	14	0.23	59.490	15	38.4	59.51	18	38.4	F0	C9	4843	P -53 5363
46	8.9	9.1W	50 8.248	-0.0021	07	-56 31 51.16	0.005	07	0.14	8.255	14	46.5	51.18	14	46.5	A0	CO	3968	P -56 5476
47		5.9T	50 9.675	-0.0135	12	-54 40 51.87	0.007	08	0.55	10.321	21	02.0	52.28	18	95.2	K0	GC	17472	P -54 5360
48	9.3	9.2W	50 15.353	0.0086	13	-55 3 4.44	0.036	13	0.22	15.254	15	38.4	4.85	18	38.4	A2	C9	4845	P -54 5362
49		7.2T	50 18.555	-0.0010	12	-52 57 14.71	-0.030	11	0.57	18.597	18	07.0	13.28	16	01.7	A0	GC	17474	P -52 5909
50	9.0	7.9W	50 20.358	-0.0052	07	-55 55 20.42	-0.013	07	0.14	20.376	14	46.5	20.37	14	46.5	K0	CO	3969	P -55 5266
51	9.6E	9.3W	12 50 26.264	0.0026	12	-50 16 17.14	0.019	12	0.70	26.143	45	04.3	17.98	45	04.3	F8	CZ	10770	P -49 5536
52	9.4	9.3W	50 26.760	-0.0029	11	-59 55 43.57	0.001	11	0.15	26.770	14	46.5	43.58	14	46.5	B3	CO	3971	P -59 4538
53	8.8	9.0W	50 27.708	-0.0046	11	-57 39 27.91	-0.009	11	0.15	27.724	14	46.5	27.88	14	46.5	B9	CO	3972	P -57 5768
54	9.6E	9.8W	50 41.248	-0.0000	12	-50 30 18.75	-0.007	12	0.65	41.249	36	04.3	18.44	36	04.3	A0	CZ	10774	P -50 5549
55	8.4	8.1W	50 45.222	-0.0066	07	-57 23 10.45	0.065	07	0.14	45.245	14	46.5	10.68	14	46.5	G0	CO	3974	P -56 5482
56	9.2E	9.4Z	50 52.269	-0.0025	12	-50 8 43.00	-0.004	12	0.67	52.385	36	02.7	42.79	36	02.7	A0	CZ	10778	P -49 5545
57	8.5	8.5W	51 3.207	0.0023	11	-52 0 19.01	-0.017	11	0.21	3.181	15	38.4	18.80	18	38.4	F0	C9	4848	P*-51 5601
58	9.1	9.0W	51 6.735	-0.0030	07	-56 55 20.63	-0.013	07	0.14	6.745	14	46.5	20.58	14	46.5	A0	CO	3976	P -56 5484
59	9.2	9.5W	51 15.400	-0.0016	13	-56 41 34.23	-0.015	13	0.15	15.405	14	46.5	34.18	14	46.5	B9	CO	3977	P -56 5485
60		7.8T	51 19.167	-0.0080	11	-51 5 40.74	0.008	08	0.42	19.489	15	09.7	41.10	15	06.3	F2	GC	17503	C -50 7359
61	9.3	9.3W	51 21.984	-0.0036	07	-56 28 32.35	0.006	07	0.14	21.996	14	46.5	32.37	14	46.5	A0	CO	3978	P -56 5486
62		6.4T	51 23.582	-0.0013	13	-58 9 34.04	-0.005	10	0.57	23.645	18	05.8	33.78	17	00.9	G0	GC	17509V	P*-57 5776
63	10.2		51 24.903	0.0019	14	-53 53 29.43	-0.002	14	0.23	24.880	15	38.4	29.41	18	38.4	A0	C9	4849	P -53 5375
64	9.9E	9.5Z	51 29.158	0.0003	12	-51 0 24.04	-0.005	12	0.70	29.146	45	04.3	23.79	45	04.3		CZ	10783	P -50 5559
65	8.6E	8.7Z	51 30.609	-0.0006	12	-51 3 31.10	0.004	12	0.70	30.637	45	04.3	31.26	45	04.3	B8	CZ	10784	P -50 5560
66		4.3T	51 38.394	-0.0036	06	-56 54 24.00	-0.010	04	0.25	38.578	12	04.3	23.49	10	98.6	B3	GC	17512K	P*-56 5487
67		5.5T	51 39.615	-0.0039	10	-56 53 49.85	-0.005	06	0.45	39.821	17	02.7	49.60	14	97.1	B3P	GC	17513K	P*-56 5487
68		4.8T	51 40.057	-0.0041	09	-58 52 31.38	-0.014	06	0.32	40.241	12	11.1	30.77	12	05.2	B3	GC	17514	P*-58 4584
69	10.8	9.5W	51 42.941	-0.0069	14	-53 53 21.94	-0.115	14	0.23	43.020	15	38.4	20.61	18	38.4	K2	C9	4850	P -53 5378
70	9.8	10.0W	51 47.641	-0.0017	14	-52 12 46.83	-0.011	14	0.23	47.661	15	38.4	46.70	18	38.4	A0	C9	4851	P -51 5612
71	8.3	8.5W	51 51.970	-0.0044	07	-54 52 24.36	-0.021	07	0.18	52.020	15	38.4	24.12	18	38.4	A2	C9	4852	P -54 5369
72	9.9	9.8W	51 52.307	-0.0023	13	-57 26 13.52	-0.010	13	0.15	52.315	14	46.5	13.48	14	46.5	A2	CO	3983	P -57 5782
73	9.7E	9.6Z	52 1.183	-0.0031	12	-50 46 33.45	-0.012	12	0.70	1.326	45	04.3	32.88	45	04.3	F2	CZ	10796	P -50 5567
74	8.8	9.0W	52 4.036	-0.0002	07	-56 14 14.41	-0.010	07	0.14	4.036	14	46.5	14.37	14	46.5	B9	CO	3984	P -55 5275
75	9.1	9.0W	52 9.088	-0.0010	06	-58 44 52.21	-0.009	06	0.14	9.091	14	46.5	52.18	14	46.5	B0	CO	3985	P -58 4589
76	8.9E	9.0Z	52 15.380	0.0009	12	-51 32 15.20	0.002	12	0.65	15.337	31	01.9	15.28	31	01.9	B9	CZ	10798	P -51 5618
77	10.0	9.7W	52 16.808	-0.0004	15	-55 39 44.53	-0.007	15	0.24	16.813	15	38.4	44.45	18	38.4	F0	C9	4853	P -55 5277
78	9.9	9.8W	52 17.331	-0.0017	12	-53 8 47.03	-0.010	12	0.22	17.351	15	38.4	46.90	18	38.4	A0	C9	4854	P -52 6021
79		8.8T	52 24.714	-0.0176	26	-50 20 44.85	-0.025	26	1.17	25.508	21	05.0	43.73	21	05.0	F0	GC	17526	C*-49 7480
80	9.0	8.0W	52 26.362	0.0001	07	-53 14 56.98	-0.015	07	0.18	26.360	15	38.4	56.80	18	38.4	G5	C9	4855	P -52 6024
81	10.1		52 37.788	-0.0039	07	-58 44 57.16	0.004	07	0.14	37.802	14	46.5	57.18	14	46.5	B9	CO	3986	P -58 4593
82	9.0	8.9W	52 38.062	0.0018	07	-53 52 12.08	-0.032	07	0.18	38.040	15	38.4	11.71	18	38.4	A2	C9	4856	P -53 5384
83	9.8	9.6W	52 53.910	-0.0164	14	-53 38 35.01	-0.009	14	0.23	54.100	15	38.4	34.91	18	38.4	G0	C9	4857	P -53 5385
84	9.4E	8.0Z	52 59.326	-0.0028	12	-51 39 48.88	-0.022	12	0.81	59.454	63	04.4	47.85	57	04.4	K5	CZ	10809	P -51 5627
85		5.6T	52 59.417	-0.0025	07	-56 33 54.70	-0.014	05	0.29	59.531	12	10.7	54.07	12	04.1	OE5	GC	17540K	P*-56 5498
86	8.4	8.4W	53 0.089	-0.0071	07	-52 50 5.89	-0.007	07	0.18	0.170	15	38.4	5.80	18	38.4	F0	C9	4858	P -52 6033
87	9.9	10.0W	53 19.706	0.0005	14	-53 30 31.10	-0.025	14	0.23	19.700	15	38.4	30.81	18	38.4	A0	C9	4859	P -53 5388
88		6.8T	53 22.065	-0.0024	13	-55 17 25.27	0.006	11	0.64	22.206	21	02.6	25.59	19	98.7	K2	GC	17551	P*-54 5376
89	10.0	8.9W	53 25.710	-0.0046	07	-55 24 44.19	0.005	07	0.18	25.764	15	38.4	44.25	18	38.4	K2	C9	4861	P -55 5285
90	10.8E	9.7W	53 29.294	0.0017	12	-50 6 1.95	-0.011	12	0.65	29.309	31	01.3	1.39	28	01.3		CZ	10815	P -49 5571
91	8.9	8.9W	53 31.635	-0.0045	07	-59 13 25.04	-0.018	07	0.14	31.651	14	46.5	24.98	14	46.5	A2	CO	3988	P -58 4601
92	10.0E	9.0Z	[illegible] 34.722	-0.0041	12	-50 45 7.67	-0.009	12	0.70	34.911	45	04.3	7.28	45	04.3	K0	CZ	10816	P -50 5585
93	10.0	10.1W	[illegible] 37.363	-0.0034	15	-55 47 11.48	0.032	15	0.24	37.403	15	38.4	11.85	18	38.4	A0	C9	4862	P -55 5287
94	9.3E	9.0Z	53 39.086	-0.0030	12	-51 8 48.73	-0.033	12	0.70	39.224	45	04.3	47.20	45	04.3	G0	CZ	10820	P -50 5587
95	9.7	8.3W	53 44.905	-0.0039	07	-54 2 53.53	-0.063	07	0.18	44.950	15	38.4	52.81	18	38.4	K0	C9	4863	P -53 5392
96	8.0	8.2W	53 45.334	-0.0033	06	-55 30 33.55	-0.009	06	0.18	45.373	15	38.4	33.45	18	38.4	B8	C9	4864	P -55 5288
97	10.0		53 46.164	-0.0051	15	-55 29 40.15	0.000	15	0.24	46.224	15	38.4	40.15	18	38.4	A0	C9	4865	P -55 5289
98	9.9	9.8W	53 47.249	-0.0045	15	-53 51 28.61	0.000	15	0.24	47.300	15	38.4	28.61	18	38.4	A5	C9	4866	P -53 5393
99	9.9	9.4W	53 48.009	-0.0088	07	-54 1 0.82	-0.053	07	0.18	48.110	15	38.4	0.21	18	38.4	G0	C9	4867	P -53 5394
00	10.0	9.6W	53 49.884	-0.0109	15	-54 53 0.85	-0.028	15	0.24	50.010	15	38.4	0.52	18	38.4	G5	C9	4868	P -54 5380

240400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ,,.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 12H DM NUMBER
1	9.0	9.0W	12 53 50.503	-0.0008	07	-55 22 1.90	0.014	07	0.18	50.494	15	38.4	2.05	18	38.4	B9	C9	4869	P -54 5381
2	8.0	7.7W	53 58.591	-0.0225	06	-59 52 19.70	-0.035	06	0.14	58.670	14	46.5	19.58	14	46.5	F8	CO	3995	P -59 4601
3		7.7T	53 58.696	-0.0002	12	-59 28 20.29	-0.016	10	0.49	58.706	18	08.5	19.61	17	06.2	B1	GC	17561	P -59 4600
4	9.0	9.0W	53 59.649	-0.0008	05	-58 45 47.43	-0.014	05	0.14	59.652	14	46.5	47.38	14	46.5	B2	CO	3991	P -58 4607
5		6.7T	54 2.341	-0.0015	11	-54 19 0.80	-0.023	10	0.54	2.410	18	04.5	59.65	18	99.2	A0P	GC	17563	P -53 5397
6	9.7	9.8W	54 5.684	-0.0005	13	-56 52 21.28	-0.029	13	0.15	5.685	14	46.5	21.18	14	46.5	B9	CO	3992	P -56 5506
7		5.3T	54 10.886	-0.0027	08	-50 55 41.60	-0.019	05	0.31	10.993	14	10.2	40.70	12	02.2	B8	GC	17569	C*-50 7394
8	9.8E	9.4Z	54 17.182	-0.0022	12	-50 19 53.79	0.009	12	0.70	17.281	45	04.3	54.18	45	04.3	G0	CZ	10834	P -49 5583
9	9.7E	8.9Z	54 22.718	-0.0002	12	-51 46 43.46	-0.006	12	0.81	22.727	63	04.4	43.19	57	04.4	F5	CZ	10836	P -51 5646
10	9.7E	9.3Z	54 23.883	-0.0036	12	-50 9 12.35	-0.003	12	0.72	24.053	45	02.3	12.18	45	02.3	K0	CZ	10838	P -49 5586
11	8.7	7.4W	54 24.813	-0.0103	07	-56 2 12.53	-0.033	07	0.18	24.933	15	38.4	12.15	18	38.4	K2	C9	4871	P -55 5296
12	9.7	9.6W	54 27.647	-0.0052	07	-57 27 8.27	0.003	07	0.14	27.665	14	46.5	8.28	14	46.5	A2	CO	3993	P -57 5808
13	9.7E	9.6Z	54 31.103	0.0007	12	-51 32 15.06	-0.013	12	0.81	31.071	63	04.4	14.44	57	04.4	A3	CZ	10840	P -51 5649
14	8.4	8.4W	54 34.240	-0.0014	07	-57 10 45.02	-0.040	07	0.14	34.245	14	46.5	44.88	14	46.5	A5	CO	3994	P -56 5510
15	9.7	9.7W	54 41.209	-0.0035	09	-58 52 50.91	-0.008	09	0.14	41.221	14	46.5	50.88	14	46.5	A0	CO	3995	P -58 4612
16	9.8	9.8W	54 43.017	-0.0025	13	-56 38 21.80	-0.006	13	0.15	43.025	14	46.5	21.78	14	46.5	A0	CO	3996	P -56 5512
17	8.9	9.1W	54 43.389	0.0017	06	-58 7 5.73	-0.015	06	0.14	43.384	14	46.5	5.68	14	46.5	B3	CO	3997	P -57 5810
18	9.5	9.7W	54 50.820	0.0034	14	-53 50 29.22	-0.027	14	0.23	50.780	15	38.4	28.91	18	38.4	B3	C9	4872	P -53 5402
19	10.1E	9.6Z	54 54.475	0.0001	12	-51 28 58.39	0.004	12	0.81	54.473	63	04.4	58.55	57	04.4	A0	CZ	10845	P -51 5654
20	8.4	8.6W	55 0.055	-0.0019	07	-58 48 51.39	-0.004	07	0.14	0.061	14	46.5	51.38	14	46.5	B8	CO	3998	P -58 4615
21	9.2	9.4W	55 1.585	-0.0065	14	-54 30 27.12	-0.026	14	0.23	1.660	15	38.4	26.82	18	38.4	B5	C9	4873	P -54 5385
22	8.6	8.5W	55 2.887	-0.0055	11	-52 20 41.84	-0.020	11	0.21	2.951	15	38.4	41.60	18	38.4	F0	C9	4874	P -51 5655
23	10.2	8.9W	55 5.124	-0.0014	07	-54 58 43.42	-0.026	07	0.18	5.140	15	38.4	43.12	18	38.4	K0	C9	4875	P -54 5386
24		7.5T	55 13.963	-0.0019	12	-53 54 56.01	-0.014	10	0.55	14.043	18	07.8	55.35	18	01.4	A0	GC	17591K	P -53 5405
25	10.2	8.7W	55 14.198	-0.0021	15	-55 52 41.09	0.039	15	0.24	14.222	15	38.4	41.55	18	38.4	K2	C9	4878	P -55 5302
26	9.2	9.1W	55 16.460	-0.0034	06	-58 34 21.70	-0.005	06	0.14	16.471	14	46.5	21.68	14	46.5	A5	CO	3999	P -58 4616
27	9.6	9.4W	55 20.607	-0.0026	07	-56 21 24.82	0.015	07	0.14	20.616	14	46.5	24.87	14	46.5	F0	CO	4000	P -55 5303
28	8.8	7.7W	55 20.938	0.0013	06	-58 12 1.46	-0.023	06	0.14	20.933	14	46.5	1.38	14	46.5	K0	CO	4001	P -57 5817
29	9.1	9.2W	55 23.238	-0.0016	06	-58 3 35.53	-0.014	06	0.14	23.244	14	46.5	35.48	14	46.5	B8	CO	4002	P -57 5820
30	9.4E	8.7Z	55 25.876	-0.0018	12	-50 18 45.50	-0.023	12	0.70	25.956	45	04.3	44.43	45	04.3	K2	CZ	10851	P -49 5597
31	8.0	7.9W	55 31.591	0.0020	06	-57 59 10.61	-0.008	06	0.14	31.583	14	46.5	10.58	14	46.5	F0	CO	4004	P -57 5823
32	9.1	9.1W	55 31.605	-0.0014	07	-54 7 41.13	-0.011	07	0.18	31.620	15	38.4	41.01	18	38.4	A2	C9	4879	P -53 5407
33		7.6T	55 31.900	-0.0060	15	-51 14 20.60	0.006	11	0.68	32.192	18	01.2	20.92	17	97.5	G5	GC	17596	C -50 7410
34	9.9	9.3W	55 35.384	-0.0049	07	-54 52 48.15	-0.054	07	0.18	35.440	15	38.4	47.52	18	38.4	G5	C9	4880	P -54 5389
35	8.5	8.8W	55 38.511	-0.0017	07	-54 1 24.48	-0.032	07	0.18	38.530	15	38.4	24.11	18	38.4	B8	C9	4881	P -53 5408
36	9.2	9.2W	55 39.242	-0.0033	12	-52 41 59.35	0.031	12	0.22	39.280	15	38.4	59.70	18	38.4	A2	C9	4882	P -52 6062
37	10.0E	9.0Z	55 40.012	-0.0015	12	-51 21 18.08	0.007	12	0.81	40.082	63	04.4	18.38	57	04.4	G0	CZ	10855	P -50 5614
38	10.1	9.1W	55 47.294	0.0011	07	-54 55 1.15	0.023	07	0.18	47.280	15	38.4	1.42	18	38.4	K0	C9	4883	P -54 5390
39	10.0	9.3W	55 51.879	0.0013	15	-55 6 9.29	0.005	15	0.24	51.864	15	38.4	9.35	18	38.4	G5	C9	4885	P -54 5391
40	9.7	9.6W	55 52.418	-0.0039	07	-58 34 2.22	-0.012	07	0.14	52.431	14	46.5	2.18	14	46.5	A0	CO	4005	P -58 4621
41	9.8	9.6W	56 0.827	-0.0025	07	-56 26 25.01	-0.011	07	0.14	0.836	14	46.5	24.97	14	46.5	A0	CO	4006	P -56 5519
42	9.7E	9.6Z	56 7.087	-0.0062	12	-50 17 39.91	-0.008	12	0.70	7.368	45	04.3	39.52	45	04.3	G5	CZ	10860	P -49 5616
43	10.4E	8.2Z	56 13.471	0.0022	12	-51 22 38.31	-0.015	12	0.81	13.373	63	04.4	37.61	57	04.4	K2	CZ	10862	P -50 5624
44	13.0E	9.8H	56 14.530	-0.0037	12	-51 22 39.88	-0.006	12	0.81	14.701	63	04.4	39.58	57	04.4	K2	CZ	10863	P -50 5624
45	9.4	9.8W	56 14.732	-0.0026	07	-55 38 4.76	-0.053	07	0.18	14.763	15	38.4	4.15	18	38.4	B9	C9	4886	P -55 5311
46	8.9	9.1W	56 18.217	-0.0012	14	-54 26 31.29	-0.007	14	0.23	18.230	15	38.4	31.21	18	38.4	B8	C9	4887	P -54 5395
47	9.0	9.0W	56 23.542	-0.0023	07	-59 35 42.71	-0.010	07	0.14	23.550	14	46.5	42.68	14	46.5	B5	CO	4007	P -59 4629
48	9.6	9.3W	56 27.263	-0.0062	07	-57 15 42.40	-0.006	07	0.14	27.285	14	46.5	42.38	14	46.5	F0	CO	4008	P -56 5522
49	9.1	9.3W	56 27.495	-0.0012	07	-59 32 59.62	-0.041	07	0.14	27.500	14	46.5	59.48	14	46.5	B9	CO	4009	P -59 4630
50	8.9	8.9W	56 32.295	-0.0022	12	-52 51 46.50	0.001	12	0.22	32.320	15	38.4	46.50	18	38.4	A2	C9	4888	P -52 6076
51	8.7	8.6W	12 56 32.536	0.0003	07	-55 55 16.50	-0.022	07	0.18	32.532	15	38.4	16.25	18	38.4	A3	C9	4889	P -55 5314
52	10.4E	9.5*	56 37.877	-0.0019	12	-51 54 3.81	-0.021	12	0.65	37.969	31	01.9	2.81	31	01.9	G0	CZ	10873	P -51 5673
53	8.7	8.8W	56 43.800	-0.0037	08	-55 18 29.18	-0.019	08	0.19	43.844	15	38.4	28.95	18	38.4	A0	C9	4890	P -54 5398
54	10.8E	9.6*	56 46.117	-0.0011	12	-50 8 7.44	0.003	12	0.64	46.169	28	01.6	7.56	26	01.6		CZ	10878	P -49 5624
55		8.4T	56 49.792	-0.0042	15	-55 38 32.84	0.008	11	0.66	50.002	21	04.4	33.25	19	99.7	B9	GC	17626K	P -55 5316
56	8.9	7.4W	56 50.739	-0.0016	06	-57 8 28.83	-0.016	06	0.14	50.745	14	46.5	28.78	14	46.5	K0	CO	4010	P -56 5527
57		9.6T	56 51.326	-0.0049	20	-55 38 43.43	-0.001	16	0.81	51.546	22	06.9	43.39	21	04.8	B9	GC	17627K	P -55 5317
58		7.9T	56 56.045	0.0035	12	-54 6 33.03	-0.041	10	0.61	55.874	19	01.2	30.89	18	97.2	G5	GC	17628	P -53 5416
59			56 58.190	-0.0039	13	-58 14 43.50	-0.005	13	0.15	58.203	14	46.5	43.48	14	46.5	B8	CO	4011V	P*-57 5837
60	9.4	8.7W	56 58.352	0.0018	12	-52 43 54.62	-0.009	12	0.22	58.330	15	38.4	54.51	18	38.4	G0	C9	4894	P -52 6086
61	9.6	8.3W	56 58.557	-0.0024	07	-57 15 3.62	-0.011	07	0.14	58.565	14	46.5	3.58	14	46.5	K0	CO	4012	P -56 5529
62	9.5E	9.1Z	57 2.183	-0.0028	12	-50 38 24.53	-0.021	12	0.66	2.313	36	03.7	23.57	36	03.7	F8	CZ	10883	P -50 5630
63	9.4E	9.0Z	57 5.982	-0.0037	12	-50 7 11.37	-0.013	12	0.73	6.160	45	01.3	10.72	45	01.3	F8	CZ	10884	P -49 5626
64	9.3	9.1W	57 8.069	-0.0096	12	-54 23 50.93	-0.011	12	0.22	8.180	15	38.4	50.81	18	38.4	F5	C9	4895	P -53 5417
65	9.8	9.7W	57 9.591	-0.0034	07	-53 51 25.23	0.024	07	0.18	9.630	15	38.4	25.51	18	38.4	A5	C9	4896	P -53 5418
66	9.7	10.1W	57 18.617	-0.0012	15	-54 39 9.55	-0.003	15	0.24	18.630	15	38.4	9.52	18	38.4	A0	C9	4897	P -54 5400
67	10.1E	9.0Z	57 22.048	-0.0006	12	-50 51 25.55	0.002	12	0.71	22.077	45	03.3	25.62	45	03.3	K0	CZ	10893	P -50 5633
68	8.6	8.7W	57 23.227	-0.0012	06	-58 40 49.42	-0.011	06	0.14	23.231	14	46.5	49.38	14	46.5	B9	CO	4013	P -58 4636
69	9.2	9.3W	57 25.878	-0.0016	07	-58 29 1.01	-0.010	07	0.14	25.883	14	46.5	0.98	14	46.5	B9	CO	4014	P -58 4638
70	9.8	9.6W	57 31.726	-0.0044	09	-59 18 42.39	-0.004	09	0.14	31.741	14	46.5	42.38	14	46.5	A0	CO	4016	P -58 4639
71	9.6	9.9W	57 36.292	-0.0059	14	-54 12 2.92	-0.036	14	0.23	36.360	15	38.4	2.51	18	38.4	A0	C9	4898	P -53 5425
72	9.9	9.3W	57 44.960	-0.0026	07	-53 52 29.49	-0.025	07	0.18	44.990	15	38.4	29.21	18	38.4	G5	C9	4899	P -53 5427
73	10.3	9.3W	57 46.138	-0.0037	07	-54 49 3.54	-0.019	07	0.18	46.180	15	38.4	3.32	18	38.4	K0	C9	4900	P -54 5402
74	10.0E	9.2Z	57 55.261	-0.0013	12	-50 32 11.92	-0.015	12	0.71	55.323	45	03.3	11.24	45	03.3	A0	CZ	10901	P -50 5643
75	9.9	10.1W	57 56.802	-0.0036	07	-57 14 9.12	-0.011	07	0.14	56.815	14	46.5	9.08	14	46.5	B8	CO	4017	P -56 5537
76	8.0	7.9W	58 7.972	-0.0025	06	-52 51 59.54	-0.046	06	0.18	8.000	15	38.4	59.00	18	38.4	F0	C9	4901	P -52 6098
77	9.2E	9.0Z	58 11.957	-0.0005	12	-51 3 59.11	-0.005	12	0.65	11.982	31	02.0	58.84	28	02.0	A0	CZ	10906	P -50 5651
78	10.3	9.5W	58 14.162	-0.0128	07	-53 59 20.02	-0.044	07	0.18	14.310	15	38.4	19.51	18	38.4	K0	C9	4902	P -53 5429
79	8.8	9.0W	58 14.226	-0.0030	07	-56 23 20.13	-0.018	07	0.14	14.236	14	46.5	20.07	14	46.5	A0	CO	4018	P -55 5328
80	9.7	8.6W	58 18.360	-0.0035	07	-54 8 16.14	-0.029	07	0.18	18.400	15	38.4	15.81	18	38.4	K0	C9	4903	P -53 5431
81	9.1E	9.0Z	58 18.408	-0.0016	12	-50 3 39.05	-0.008	12	0.73	18.484	45	01.3	38.64	45	01.3	A2	CZ	10907	P -49 5643
82	8.4	8.4W	58 27.069	-0.0042	05	-57 52 9.71	-0.009	05	0.14	27.084	14	46.5	9.68	14	46.5	B9	CO	4019	P*-57 5852
83	8.0	8.1W	58 37.897	-0.0008	07	-59 48 26.49	-0.002	07	0.14	37.900	14	46.4	26.48	14	46.4	B5	CO	3783	P -59 4654
84	9.6	9.5W	58 38.928	-0.0038	07	-59 25 45.79	-0.004	07	0.14	38.941	14	46.5	45.78	14	46.5	A2	CO	4021	P -59 4655
85	9.4	9.2W	58 41.117	-0.0051	13	-56 54 54.28	0.001	13	0.15	41.135	14	46.5	54.28	14	46.5	F2	CO	4022	P -56 5538
86	8.9	8.8W	58 58.506	-0.0015	06	-55 18 12.57	-0.002	06	0.18	58.524	15	38.4	12.55	18	38.4	A5	C9	4904	P -54 5409
87	9.7	9.5W	58 59.333	-0.0018	14	-55 7 39.72	0.012	14	0.23	59.354	15	38.4	39.85	18	38.4	A2	C9	4905	P -54 5410
88	8.7E	8.0Z	59 3.177	0.0024	12	-50 48 2.39	-0.014	12	0.71	3.066	45	03.3	1.72	45	03.3	K0	CZ	10918	P -50 5661
89	9.6	9.9W	59 3.542	0.0001	14	-54 27 1.90	-0.008	14	0.23	3.540	15	38.4	1.81	18	38.4	B9	C9	4906	P -54 5412
90	9.1	9.2W	59 9.334	-0.0059	07	-56 58 8.18	0.000	07	0.14	9.355	14	46.5	8.18	14	46.5	B5	CO	4023	P -56 5541
91	9.2	9.5W	59 11.152	-0.0009	06	-56 31 45.99	-0.031	06	0.14	11.155	14	46.5	45.88	14	46.5	B8	CO	4024	P -56 5542
92	10.6	10.1W	59 15.826	-0.0039	11	-52 53 47.32	-0.061	11	0.21	15.871	15	38.4	46.60	18	38.4	G0	C9	4907	P -52 6119
93	9.8E	9.2Z	59 17.835	-0.0046	12	-51 9 24.20	-0.020	12	0.71	18.051	45	03.3	23.25	45	03.3	F8	CZ	10923	P -50 5665
94	9.0E	9.0Z	59 18.802	-0.0005	12	-51 31 13.64	-0.015	12	0.81	18.824	63	04.4	12.93	57	04.4	B5	CZ	10924	P -51 5703
95	8.9	7.5W	59 19.156	-0.0086	06	-56 19 59.30	0.022	06	0.14	19.186	14	46.5	59.37	14	46.5	K0	CO	4025	P -55 5337
96	10.1		59 23.264	0.0009	15	-55 28 34.18	0.024	15	0.24	23.254	15	38.4	34.45	18	38.4	A0	C9	4908	P -55 5340
97	9.4	9.5W	59 32.179	-0.0059	07	-59 39 53.47	-0.027	07	0.14	32.200	14	46.5	53.38	14	46.5	A0	CO	4026	P -59 4674
98	10.6	9.9W	59 47.286	-0.0064	12	-54 9 59.52	0.016	12	0.22	47.360	15	38.4	59.71	18	38.4	G5	C9	4910	P -53 5443
99	8.8	8.8W	59 56.442	-0.0051	07	-59 43 46.98	-0.028	07	0.14	56.460	14	46.5	46.88	14	46.5	A0	CO	4027	P -59 4683
00	10.1E	9.0Z	59 59.359	-0.0044	12	-52 7 19.34	-0.005	12	0.65	59.572	31	01.9	19.11	31	01.9	F8	CZ	10931	P -51 5715

240500

NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 13H DM NUMBER
1	8.6	8.6W	13 0 0.651	-0.0086	06	-59 20 27.24	-0.017	06	0.14	0.681	14	46.5	27.18	14	46.5	A3	CO	4028	P -58 4659
2	9.8	9.7W	0 3.146	0.0002	07	-56 34 17.26	-0.023	07	0.14	3.145	14	46.5	17.18	14	46.5	A3	CO	4029	P -56 5546
3	7.8	8.2W	0 11.103	-0.0008	06	-55 50 31.43	-0.016	06	0.14	11.106	14	46.5	31.37	14	46.5	B9	CO	4030	P -55 5348
4	8.9	8.7W	0 15.722	-0.0141	15	-59 19 53.78	-0.028	15	0.15	15.771	14	46.5	53.68	14	46.5	F8	CO	4031	P*-58 4660
5	9.5	9.4W	0 23.361	-0.0030	13	-58 56 19.04	0.011	13	0.15	23.371	14	46.5	19.08	14	46.5	B9	CO	4032	P -58 4661
6	9.4	8.4W	0 25.352	-0.0042	07	-54 19 18.85	-0.030	07	0.18	25.400	15	38.4	18.51	18	38.4	K0	C9	4912	P -53 5445
7	9.8	10.0W	0 26.351	-0.0011	13	-55 19 30.59	-0.029	13	0.22	26.364	15	38.4	30.25	18	38.4	A2	C9	4913	P -54 5421
8	10.0		0 27.213	-0.0008	13	-55 30 52.07	-0.002	13	0.22	27.223	15	38.4	52.05	18	38.4	A0	C9	4914	P -55 5353
9	9.4E	8.6H	0 32.046	-0.0047	12	-50 25 17.10	-0.014	12	0.65	32.271	31	02.0	16.41	28	02.0	K2	CZ	10941	P -50 5679
10	8.9	9.3W	0 32.320	-0.0042	07	-57 25 2.22	-0.012	07	0.14	32.335	14	46.5	2.18	14	46.5	B8	CO	4033	P -57 5865
11		7.1T	0 36.298	-0.0032	13	-56 22 36.66	-0.019	10	0.60	36.466	21	03.0	35.67	18	97.4	K0	GC	17700	P -55 5354
12	8.3	8.3W	0 49.977	-0.0013	05	-58 42 10.89	-0.002	05	0.14	49.981	14	46.5	10.88	14	46.5	B8	CO	4035	P -58 4668
13	9.4	8.4W	0 53.946	-0.0039	07	-53 33 28.04	0.023	07	0.18	53.990	15	38.4	28.31	18	38.4	G5	C9	4915	P -53 5450
14	8.7	8.3W	0 59.888	-0.0004	06	-59 55 16.69	-0.004	06	0.14	59.890	14	46.4	16.68	14	46.4	A2	CO	4036	P -59 4700
15	9.0	7.4W	1 15.718	-0.0011	07	-52 37 38.85	-0.029	07	0.18	15.731	15	38.4	38.50	18	38.4	M8	C9	4916	P -52 6139
16	9.9	10.0W	1 16.489	0.0010	13	-56 38 0.77	-0.025	13	0.15	16.485	14	46.5	0.68	14	46.5	A0	CO	4037	P -56 5551
17	8.7	8.9W	1 17.104	-0.0005	07	-55 54 29.00	-0.010	07	0.14	17.106	14	46.5	28.97	14	46.5	B8	CO	4038	P -55 5359
18	8.7	8.5W	1 19.208	0.0041	07	-53 7 34.96	-0.056	07	0.18	19.160	15	38.4	34.30	18	38.4	F2	C9	4918	P -52 6140
19	9.4	9.4W	1 26.888	-0.0061	07	-59 33 23.29	-0.003	07	0.14	26.910	14	46.5	23.28	14	46.5	B0	CO	4039	P -59 4711
20	9.9	9.7W	1 28.161	-0.0138	15	-53 24 50.52	-0.027	15	0.24	28.321	15	38.4	50.20	18	38.4	F8	C9	4920	P -53 5452
21	10.0	9.4W	1 36.452	-0.0059	07	-51 54 38.57	0.012	07	0.18	36.521	15	38.4	38.70	18	38.4	G5	C9	4921	P -51 5734
22		9.7T	1 40.818	-0.0001	27	-51 14 22.66	-0.002	30	1.30	40.822	21	04.8	22.58	21	05.3	G0	GC	17724	C -50 7497
23	8.9	8.9W	1 44.057	-0.0048	07	-58 19 0.78	-0.028	07	0.14	44.074	14	46.5	0.68	14	46.5	A0	CO	4040	P -57 5874
24	9.4	8.2W	1 44.978	-0.0037	12	-52 52 46.17	-0.014	12	0.22	45.020	15	38.4	46.00	18	38.4	K0	C9	4922	P -52 6144
25	9.4	9.4W	1 48.859	-0.0014	07	-57 58 19.23	-0.014	07	0.14	48.864	14	46.5	19.18	14	46.5	A0	CO	4041	P -57 5876
26	9.3	9.2W	1 48.900	-0.0056	09	-59 49 39.01	-0.009	09	0.14	48.920	14	46.5	38.98	14	46.5	B9	CO	4042	P -59 4714
27		8.2T	1 55.473	-0.0025	12	-56 47 15.36	-0.018	11	0.55	55.591	18	08.0	14.51	18	02.4	A0	GC	17726	P -56 5557
28	9.4	8.2W	2 1.035	0.0012	07	-53 11 2.42	-0.001	07	0.18	1.020	15	38.4	2.40	18	38.4	K0	C9	4923	P -52 6146
29		7.7T	2 4.278	-0.0051	18	-50 46 23.16	-0.029	13	0.77	4.507	24	05.1	21.79	24	02.5	G5	GC	17732	C -50 7500
30	9.9	9.6W	2 11.817	-0.0021	15	-54 9 42.66	-0.005	15	0.24	11.840	15	38.4	42.61	18	38.4	F5	C9	4924	P -53 5455
31	8.9E	8.2Z	2 21.289	-0.0140	12	-50 35 19.60	-0.006	12	0.71	21.944	45	03.3	19.33	45	03.3	G5	CZ	10969	P -50 5716
32			2 24.471	-0.0041	07	-57 18 38.78	-0.027	07	0.14	24.485	14	46.5	38.68	14	46.5		CO	4044	P*-56 5562
33	8.3	8.2W	2 29.145	-0.0054	05	-58 16 3.56	-0.023	05	0.14	29.163	14	46.5	3.48	14	46.5	F5	CO	4046	P -57 5883
34	8.7	9.0W	2 31.172	-0.0008	07	-56 35 2.52	-0.010	07	0.14	31.175	14	46.5	2.48	14	46.5	B5	CO	4047	P -56 5566
35		6.4T	2 33.725	-0.0051	12	-51 50 51.92	0.028	10	0.56	33.959	17	03.8	53.36	17	98.1	M0	GC	17740	C -51 7248
36	10.4	9.1W	2 36.046	0.0022	07	-52 51 5.87	-0.031	07	0.18	36.020	15	38.4	5.50	18	38.4	K2	C9	4925	P -52 6155
37	10.0		2 37.552	0.0020	13	-57 2 21.97	0.003	13	0.15	37.545	14	46.5	21.98	14	46.5	A0	CO	4048	P -56 5568
38	9.6	8.7W	2 48.739	-0.0019	07	-52 55 2.69	-0.007	07	0.18	48.760	15	38.4	2.60	18	38.4	K0	C9	4926	P -52 6158
39	9.8	8.9W	2 50.340	-0.0029	07	-55 4 50.48	-0.029	07	0.18	50.374	15	38.4	50.15	18	38.4	K0	C9	4927	P -54 5434
40	9.7	9.4W	2 51.857	-0.0039	06	-59 27 22.70	-0.006	06	0.14	51.871	14	46.5	22.68	14	46.5	A0	CO	4049	P -59 4726
41	8.6	8.7W	2 55.360	-0.0015	07	-57 22 57.57	0.002	07	0.14	55.365	14	46.5	57.58	14	46.5	A3	CO	4050	P -56 5572
42	9.0	9.1W	3 1.476	-0.0022	06	-58 18 38.81	-0.008	06	0.14	1.484	14	46.5	38.78	14	46.5	A0	CO	4051	P -57 5887
43	9.1	9.4W	3 10.590	-0.0010	06	-57 59 36.73	-0.015	06	0.14	10.593	14	46.5	36.68	14	46.5	B8	CO	4052	P -57 5889
44		6.9T	3 14.787	-0.0004	14	-55 20 39.31	-0.008	10	0.63	14.806	21	03.7	38.91	19	98.3	K2	GC	17747	P*-54 5437
45	9.9	9.6W	3 19.523	-0.0024	07	-58 54 24.63	-0.015	07	0.14	19.531	14	46.5	24.58	14	46.5	B8	CO	4053	P -58 4682
46	10.0	9.3W	3 20.981	-0.0060	07	-52 57 1.19	-0.050	07	0.18	21.050	15	38.4	0.61	18	38.4	G5	C9	4929	P -52 6167
47	9.8E	9.7Z	3 21.085	-0.0006	12	-50 35 1.01	-0.002	12	0.73	21.114	45	01.4	0.90	45	01.4		CZ	10985	P -50 5728
48	9.2	9.2W	3 23.769	-0.0035	09	-59 19 40.59	-0.002	09	0.14	23.781	14	46.5	40.58	14	46.5	B3	CO	4054	P -58 4683
49	9.9	9.4W	3 25.346	-0.0054	07	-56 36 41.89	-0.003	07	0.14	25.365	14	46.5	41.88	14	46.5	G0	CO	4055	P -56 5576
50	8.9	8.9W	3 25.590	-0.0009	09	-52 17 9.30	-0.043	09	0.20	25.601	15	38.4	8.80	18	38.4	A5	C9	4930	P -51 5765
51	9.6	8.4W	13 3 29.468	-0.0022	07	-56 58 4.29	-0.033	07	0.14	29.475	14	46.5	4.18	14	46.5	K0	CO	4056	P -56 5577
52	9.0E	7.5Z	3 35.744	-0.0005	12	-50 46 55.46	-0.003	12	0.66	35.768	31	00.7	55.31	28	00.7	MA	CZ	10988	P -50 5732
53		8.1T	3 36.119	-0.0054	13	-54 1 29.59	-0.022	12	0.66	36.375	21	02.6	28.51	19	99.9	A5	GC	17756	P -53 5464
54		7.0T	3 37.951	-0.0023	14	-54 14 18.29	0.016	12	0.66	38.058	21	03.4	19.11	19	99.8	K0	GC	17759	P -53 5466
55	9.9		3 40.054	-0.0019	07	-59 21 2.07	-0.024	07	0.14	40.061	14	46.5	1.98	14	46.5	B8	CO	4057	P -58 4687
56		8.2T	3 42.394	-0.0014	13	-59 10 35.94	-0.038	11	0.62	42.465	19	03.8	34.08	19	00.4	A3	GC	17761	P -58 4688
57	9.3	8.9W	3 53.821	0.0042	06	-56 28 34.88	-0.061	06	0.14	53.806	14	46.5	34.67	14	46.5	G5	CO	4059	P*-56 5582
58	8.2	8.5W	3 55.575	-0.0001	06	-56 43 57.02	-0.011	06	0.14	55.575	14	46.5	56.98	14	46.5	B5	CO	4060	P -56 5583
59		7.1T	3 57.730	-0.0031	13	-58 32 18.11	-0.020	10	0.55	57.879	18	07.7	17.17	18	02.1	K0	GC	17772	P -58 4691
60	8.9	8.7W	3 58.008	-0.0052	06	-56 22 9.00	-0.037	06	0.14	58.026	14	46.5	8.87	14	46.5	F5	CO	4062	P -55 5380
61	9.5	9.7W	4 5.387	-0.0003	14	-53 47 45.86	-0.022	14	0.23	5.390	15	38.4	45.61	18	38.4	A0	C9	4933	P -53 5470
62	9.6	9.1W	4 12.799	0.0024	15	-54 3 57.43	-0.028	15	0.24	12.770	15	38.4	57.11	18	38.4	G0	C9	4934	P -53 5472
63	10.0	9.9W	4 14.767	-0.0020	13	-54 2 20.31	-0.026	13	0.22	14.790	15	38.4	20.01	18	38.4	A2	C9	4935	P -53 5473
64	8.8E	8.5Z	4 15.228	0.0047	12	-51 44 56.80	-0.013	12	0.84	14.993	63	00.5	56.16	57	00.5	F8	CZ	10999	P -51 5779
65	9.8	9.7W	4 16.981	-0.0027	15	-55 32 17.89	0.031	15	0.24	17.013	15	38.4	18.25	18	38.4	F0	C9	4936	P -55 5381
66		6.1T	4 18.149	-0.0029	11	-59 35 35.95	-0.017	08	0.50	18.309	19	01.3	35.04	17	95.8	B9	GC	17778K	P*-59 4740
67	9.6	9.7W	4 20.892	-0.0042	15	-54 3 43.77	-0.032	15	0.24	20.940	15	38.4	43.41	18	38.4	A2	C9	4937	P -53 5475
68		7.8T	4 28.079	-0.0070	17	-52 29 1.88	-0.026	12	0.70	28.383	22	06.4	0.67	21	03.8	A5	GC	17781	P -52 6187
69	9.7	9.7W	4 30.294	-0.0020	07	-58 35 32.52	-0.011	07	0.14	30.301	14	46.5	32.48	14	46.5	B9	CO	4064	P -58 4699
70	8.4	8.7W	4 31.335	-0.0031	07	-53 24 1.20	-0.025	07	0.18	31.370	15	38.4	0.90	18	38.4	B9	C9	4939	P -52 6189
71	9.1	8.9W	4 34.869	-0.0071	12	-52 38 17.73	-0.010	12	0.22	34.950	15	38.4	17.60	18	38.4	G0	C9	4940	P -52 6191
72	9.6	9.4W	4 37.332	-0.0022	13	-59 47 32.97	0.001	13	0.15	37.340	14	46.4	32.98	14	46.4	A0	CO	3809	P -59 4751
73		6.0H	4 39.192	-0.0044	04	-53 11 33.36	-0.032	03	0.15	39.353	07	12.9	32.20	06	13.9	B9	F4	1340	P -52 6194
74	9.8	9.9W	4 42.675	-0.0048	15	-53 53 27.20	0.001	15	0.24	42.730	15	38.4	27.21	18	38.4	B9	C9	4942	P -53 5477
75	9.6	9.3W	4 43.692	-0.0059	15	-54 9 1.91	-0.035	15	0.24	43.760	15	38.4	1.51	18	38.4	G0	C9	4943	P -53 5478
76	10.0	10.1W	4 44.657	0.0021	15	-55 39 30.62	-0.015	15	0.24	44.633	15	38.4	30.45	18	38.4	A3	C9	4944	P -55 5388
77		9.0T	4 45.070	-0.0234	22	-50 5 0.47	-0.081	20	0.99	46.137	21	04.3	56.71	21	03.6	G5	GC	17784	C -49 7651
78	9.3	9.1W	4 48.400	-0.0063	07	-55 14 45.38	-0.002	07	0.18	48.474	15	38.4	45.35	18	38.4	F2	C9	4945	P -54 5445
79	9.4	9.6W	4 51.614	-0.0014	07	-53 29 17.21	-0.000	07	0.18	51.630	15	38.4	17.20	18	38.4	A0	C9	4946	P -53 5481
80	9.0	8.6W	4 54.257	-0.0150	07	-52 26 26.48	-0.041	07	0.18	54.431	15	38.4	26.00	18	38.4	G0	C9	4947	P -52 6199
81	8.7	8.8W	4 54.661	-0.0034	07	-52 15 27.48	-0.041	07	0.18	54.701	15	38.4	27.00	18	38.4	A0	C9	4948	P -51 5792
82	9.8	9.3W	4 56.433	-0.0067	14	-53 8 52.15	-0.012	14	0.23	56.510	15	38.4	52.00	18	38.4	F8	C9	4949	P -52 6201
83		7.6T	4 58.809	-0.0040	13	-56 25 2.47	-0.022	11	0.65	59.021	21	01.6	1.31	18	96.8	A0	GC	17790K	P*-56 5593
84		7.3T	4 58.848	-0.0012	14	-56 7 4.32	-0.015	09	0.61	58.912	21	04.0	3.52	19	95.6	B9	GC	17791	P -55 5389
85	9.7	9.0W	4 58.967	-0.0012	07	-53 19 34.47	-0.048	07	0.18	58.980	15	38.4	33.90	18	38.4	G5	C9	4951	P -52 6202
86	9.2	9.1W	5 15.564	-0.0035	06	-56 16 8.59	-0.006	06	0.14	15.576	14	46.5	8.57	14	46.5	A3	CO	4068	P -55 5391
87	9.2	9.2W	5 22.631	0.0018	13	-56 51 0.18	-0.027	13	0.15	22.625	14	46.5	0.08	14	46.5	F0	CO	4069	P -56 5596
88	8.6E	8.5Z	5 23.430	-0.0013	12	-50 11 38.76	-0.010	12	0.72	23.492	45	02.9	38.29	45	02.9	A2	CZ	11016	P -49 5749
89	10.0		5 29.144	-0.0045	13	-59 38 20.42	-0.013	13	0.15	29.160	14	46.5	20.38	14	46.5	A0	CO	4070	P -59 4764
90		7.2T	5 37.689	-0.0024	13	-54 20 50.31	0.002	12	0.64	37.804	21	02.1	50.44	19	99.2	A2	GC	17798	P -53 5486
91	9.7	9.6W	5 39.040	-0.0015	07	-57 25 20.52	0.018	07	0.14	39.045	14	46.5	20.58	14	46.5	A2	CO	4071	P -57 5909
92	9.0	9.1W	5 47.808	-0.0006	06	-59 57 7.56	0.005	06	0.14	47.810	14	46.4	7.58	14	46.4	A0	CO	3816	P -59 4772
93	10.4		5 50.867	0.0003	15	-55 21 38.28	0.007	15	0.24	50.864	15	38.4	38.35	18	38.4	A2	C9	4953	P -54 5450
94	9.4E	8.5Z	5 50.880	-0.0014	12	-51 2 39.21	-0.034	12	0.66	50.948	31	00.7	37.54	28	00.7	F5	CZ	11021	P -50 5762
95	9.5	9.3W	5 52.855	-0.0017	07	-59 22 31.19	-0.002	07	0.14	52.861	14	46.5	31.18	14	46.5	A0	CO	4073	P -58 4707
96	9.5	9.0W	5 55.505	-0.0005	08	-52 18 56.11	0.008	08	0.19	55.511	15	38.4	56.20	18	38.4	G5	C9	4954	P*-51 5809
97	9.2	9.2W	6 12.861	0.0009	07	-52 56 51.54	-0.046	07	0.18	12.851	15	38.4	51.00	18	38.4	A3	C9	4955	P -52 6227
98	9.6	9.7W	6 14.757	-0.0022	07	-57 20 43.65	0.008	07	0.14	14.765	14	46.5	43.68	14	46.5	B9	CO	4075	P -56 5602
99	11.1E	9.0Z	6 20.739	-0.0046	12	-51 25 0.42	-0.020	12	0.84	20.967	63	00.5	59.44	57	00.5	A0	CZ	11026	P -51 5816
00	9.5	9.1W	6 21.812	-0.0120	06	-57 30 11.95	0.008	06	0.14	21.854	14	46.5	11.98	14	46.5	G5	CO	4076	P -57 5916

240600

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	7.7E	8.0Z	13 6 22.176	-0.0028	12	-51 24 57.40	-0.006	12	0.67	22.314	31	99.9	57.11	31	99.9	A0	CZ	11027	P -51 5816
2	9.7	9.1W	6 23.071	-0.0034	06	-58 28 33.06	-0.022	06	0.14	23.083	14	46.5	32.98	14	46.5	G0	CO	4077	P -58 4713
3	9.6E	9.2Z	6 37.239	-0.0017	12	-50 38 41.96	-0.001	12	0.73	37.321	45	01.4	41.90	45	01.4	A0	CZ	11034	P -50 5770
4	8.3	8.7W	6 41.037	-0.0053	07	-56 30 5.75	-0.020	07	0.14	41.055	14	46.5	5.68	14	46.5	E9	CO	4078	P -56 5609
5	10.1	9.7W	6 51.637	-0.0011	12	-58 55 22.36	0.005	12	0.15	51.641	14	46.5	22.38	14	46.5	A0	CO	4079	P -58 4717
6	9.9E	9.0Z	6 54.934	0.0009	12	-51 44 35.04	-0.010	12	0.84	54.888	63	00.5	34.55	57	00.5	F8	CZ	11039	P -51 5825
7	8.9	8.6W	6 55.310	-0.0190	08	-53 8 45.97	-0.022	08	0.19	55.530	15	38.4	45.70	18	38.4	G0	C9	4956	P -52 6239
8	10.1	9.7W	6 59.108	-0.0065	07	-55 11 27.51	-0.014	07	0.18	59.184	15	38.4	27.35	18	38.4	G0	C9	4957	P -54 5458
9	10.3E	9.4*	7 3.745	-0.0026	12	-51 51 54.40	-0.008	12	0.67	3.874	31	99.9	53.98	31	99.9	A2	CZ	11043	P -51 5829
10	9.6	9.8W	7 12.786	-0.0026	13	-56 44 34.09	-0.030	13	0.15	12.795	14	46.5	33.98	14	46.5	A0	CO	4080	P -56 5616
11	9.2E	9.0Z	7 13.614	-0.0004	12	-50 42 57.25	-0.012	12	0.73	13.634	45	01.4	56.66	45	01.4	B9	CZ	11045	P -50 5774
12	9.5E	9.7H	7 16.206	-0.0004	12	-50 22 8.25	-0.007	12	0.66	16.228	31	00.7	7.91	28	00.7	A0	CZ	11046	P -49 5782
13	9.7E	9.5Z	7 17.625	0.0006	12	-50 5 0.79	-0.011	12	0.72	17.598	45	02.9	0.27	45	02.9		CZ	11047	P -49 5783
14		7.6T	7 17.858	-0.0084	18	-57 28 42.46	-0.040	12	0.68	18.222	21	08.6	40.73	19	06.6	F8	GC	17824	P -57 5921
15	9.4	9.5W	7 20.526	-0.0013	07	-52 29 13.40	-0.008	07	0.18	20.541	15	38.4	13.31	18	38.4	A0	C9	4958	P -52 6247
16	9.9	10.1W	7 25.098	-0.0044	12	-57 36 17.01	-0.009	12	0.15	25.114	14	46.5	16.98	14	46.5	B8	CO	4082	P -57 5923
17	8.9	9.0W	7 26.084	-0.0030	07	-57 16 18.12	-0.012	07	0.14	26.095	14	46.5	18.08	14	46.5	B9	CO	4083	P -56 5617
18	9.2	9.4W	7 28.980	-0.0009	15	-54 29 51.98	-0.024	15	0.24	28.990	15	38.4	51.71	18	38.4	B9	C9	4959	P -54 5463
19	10.1	9.1W	7 29.424	-0.0004	07	-56 34 41.76	-0.024	07	0.14	29.425	14	46.5	41.68	14	46.5	K0	CO	4084	P -56 5618
20	8.9	8.9W	7 38.082	0.0018	08	-52 16 25.09	0.001	08	0.19	38.061	15	38.4	25.10	18	38.4	A2 O	C9	4960	P -51 5837
21	8.5	8.7W	7 42.459	-0.0006	07	-59 27 33.69	-0.032	07	0.14	42.461	14	46.5	33.58	14	46.5	B8	CO	4085	P -59 4795
22	9.4	8.1W	7 46.042	-0.0022	06	-59 47 3.43	-0.015	06	0.14	46.050	14	46.5	3.38	14	46.5	K2	CO	4086	P -59 4796
23		6.6T	7 49.943	-0.0013	13	-52 38 30.13	0.013	10	0.60	50.003	19	02.7	30.84	18	97.1	K0	GC	17836	P -52 6258
24	9.5	9.7W	7 50.697	-0.0048	07	-57 46 36.15	-0.020	07	0.14	50.714	14	46.5	36.08	14	46.5	B9	CO	4087	P -57 5926
25	9.0	9.0W	7 53.866	-0.0011	13	-59 51 24.86	0.004	13	0.15	53.870	14	46.5	24.88	14	46.5	B0	CO	4088	P -59 4801
26	8.3	8.1W	7 56.084	-0.0021	07	-59 28 47.94	-0.018	07	0.14	56.091	14	46.5	47.88	14	46.5	B0	CO	4089	P -59 4804
27		6.3T	7 58.921	-0.0043	08	-52 18 3.18	-0.021	05	0.31	59.085	14	11.5	2.17	14	02.6	A0P	C9	17839	C -51 7329
28	9.9	10.0W	7 58.950	-0.0026	12	-53 52 53.46	-0.022	12	0.22	58.980	15	38.4	53.21	18	38.4	A0	C9	4963	P -53 5499
29	10.1	9.7W	8 4.577	0.0055	15	-55 20 40.73	0.010	15	0.24	4.514	15	38.4	40.85	18	38.4	G0	C9	4964	P -54 5467
30	9.6	9.2W	8 5.054	-0.0059	07	-57 23 29.06	-0.022	07	0.14	5.075	14	46.5	28.98	14	46.5	G0	CO	4090	P -56 5621
31	8.4	8.7W	8 5.447	-0.0029	08	-53 54 2.63	-0.002	08	0.19	5.480	15	38.4	2.61	18	38.4	B9	C9	4965	P -53 5500
32	9.8	9.6W	8 8.371	0.0015	15	-55 6 10.88	0.032	15	0.24	8.354	15	38.4	11.25	18	38.4	F0	C9	4966	P -54 5469
33	9.8	8.4W	8 10.958	0.0004	07	-55 14 46.28	-0.012	07	0.18	10.954	15	38.4	46.15	18	38.4	K2	C9	4967	P -54 5470
34		8.5T	8 12.916	-0.0023	20	-59 18 40.53	-0.006	15	0.82	13.024	24	05.7	40.27	24	03.6	B3	GC	17841	P -58 4723
35	9.2	9.2W	8 19.784	-0.0028	07	-58 24 45.04	-0.016	07	0.14	19.793	14	46.5	44.98	14	46.5	A2	CO	4092	P -58 4725
36	8.0	8.1W	8 26.868	-0.0005	07	-55 5 28.23	-0.015	07	0.18	26.874	15	38.4	28.05	18	38.4	B0	C9	4968	P -54 5472
37		6.6T	8 31.791	-0.0003	11	-56 38 37.00	-0.017	07	0.52	31.808	21	00.2	35.96	18	88.0	M0	GC	17851	P -56 5624
38	8.9	9.0W	8 35.690	-0.0031	07	-58 55 24.48	-0.001	07	0.14	35.701	14	46.5	24.48	14	46.5	B8	CO	4094	P -58 4727
39	9.7	9.5W	8 38.146	-0.0039	14	-53 1 34.34	-0.011	14	0.23	38.191	15	38.4	34.20	18	38.4	F5	C9	4969	P -52 6272
40	8.3	8.5W	8 46.224	-0.0016	06	-59 55 3.88	-0.026	06	0.14	46.230	14	46.4	3.78	14	46.4	A0	CO	3831	P -59 4811
41		7.3T	8 52.190	-0.0035	13	-52 32 48.33	-0.002	12	0.64	52.358	18	01.8	48.25	19	99.2	M0	GC	17859	P -52 6276
42		8.0T	8 57.830	-0.0005	10	-56 41 30.42	-0.005	10	0.56	57.856	19	98.5	30.16	18	95.0	B9	GC	17862	P -56 5628
43	9.7	8.7W	9 3.606	-0.0074	15	-55 39 46.15	-0.034	15	0.24	3.693	15	38.4	46.55	18	38.4	K5	C9	4971	P -55 5422
44	9.4	8.1W	9 4.527	-0.0050	13	-57 6 41.44	-0.047	13	0.15	4.545	14	46.5	41.28	14	46.5	K0	CO	4097	P -56 5629
45		4.8T	9 9.150	-0.0058	07	-59 39 18.45	-0.029	05	0.27	9.412	09	08.2	17.16	09	05.1	B8	GC	17866K	P*-59 4815
46	9.4	9.2W	9 22.044	-0.0027	06	-58 23 5.86	-0.022	06	0.14	22.053	14	46.5	5.78	14	46.5	A5	CO	4099	P -57 5944
47	9.3	8.8W	9 25.280	-0.0199	13	-59 57 26.27	-0.025	13	0.15	25.350	14	46.5	26.18	14	46.5	G0	CO	4100	P -59 4821
48	9.0E	8.0Z	9 35.472	-0.0011	12	-50 12 40.79	-0.015	12	0.72	35.525	45	02.9	40.08	45	02.9	K0	CZ	11077	P -49 5821
49	9.8	10.1W	9 38.375	-0.0058	09	-57 23 58.85	-0.020	09	0.14	38.395	14	46.5	58.78	14	46.5	A0	CO	4101	P -57 5946
50	9.5	9.3W	9 44.154	-0.0031	07	-56 43 29.38	-0.001	07	0.14	44.165	14	46.5	29.38	14	46.5	A0	CO	4102	P -56 5637
51	9.0	8.6W	13 9 44.525	0.0012	07	-53 39 54.04	-0.046	07	0.18	44.510	15	38.4	53.51	18	38.4	F8	C9	4972	P -53 5512
52	9.1	8.1W	9 45.010	-0.0001	07	-54 50 36.14	-0.036	07	0.18	45.010	15	38.4	35.72	18	38.4	G2 O	C9	4973	P -54 5481
53		6.4T	9 47.153	0.0025	13	-59 33 0.38	-0.112	10	0.59	47.026	19	03.3	54.61	18	98.4	F5	GC	17880K	P -59 4827
54	9.2	9.6W	10 24.228	-0.0022	07	-56 40 4.29	-0.002	07	0.14	24.235	14	46.5	4.28	14	46.5	B9	CO	4104	P -56 5646
55		6.0T	10 24.728	-0.0020	07	-50 26 5.49	-0.030	06	0.31	24.813	14	08.3	4.11	12	04.1	A0	GC	17890K	C*-50 7589
56	8.5	8.4W	10 25.458	-0.0028	06	-52 8 32.82	-0.036	06	0.18	25.491	15	38.4	32.40	18	38.4	F0	C9	4974	P -51 5880
57	8.9	9.0W	10 35.654	-0.0031	07	-56 51 32.78	-0.001	07	0.14	35.665	14	46.5	32.78	14	46.5	A2	CO	4105	P -56 5648
58	9.9E	9.4*	10 36.609	-0.0011	12	-51 2 45.42	-0.009	12	0.66	36.663	31	00.7	44.98	28	00.7	A0	CZ	11089	P -50 5817
59	9.8		10 44.367	-0.0064	12	-53 15 8.21	-0.017	12	0.22	44.441	15	38.4	8.00	18	38.4	A0	C9	4975	P -52 6299
60	7.8	7.7W	10 56.215	-0.0023	06	-58 3 8.37	-0.027	06	0.14	56.223	14	46.5	8.28	14	46.5	A0	CO	4106	P -57 5959
61	9.2E	9.0Z	10 59.231	-0.0014	12	-51 43 13.68	-0.012	12	0.84	59.299	63	00.5	13.09	57	00.5	B9	CZ	11092	P -51 5890
62	9.1	9.2W	11 2.459	-0.0046	07	-55 40 57.74	-0.017	07	0.18	2.513	15	38.4	57.55	18	38.4	A0	C9	4976	P -55 5445
63		6.0T	11 4.462	-0.0103	12	-58 25 9.01	-0.015	09	0.56	4.983	19	04.3	8.23	18	99.4	K0	GC	17908	P*-58 4738
64	9.1	8.3W	11 5.321	0.0000	07	-54 25 41.44	-0.003	07	0.18	5.320	15	38.4	41.41	18	38.4	G0	C9	4977	P -54 5489
65	8.7	8.9W	11 6.567	-0.0042	07	-58 31 8.92	-0.012	07	0.14	6.581	14	46.5	8.88	14	46.5	A	CO	4108	P -58 4739
66		5.0T	11 8.107	-0.0336	09	-58 50 11.42	-0.161	05	0.31	9.633	12	10.9	4.13	10	04.6	F8	GC	17910	P*-58 4740
67	9.7	9.6W	11 17.684	-0.0060	07	-57 17 6.83	-0.015	07	0.14	17.705	14	46.5	6.78	14	46.5	A2	CO	4110	P -56 5656
68	10.6		11 20.615	-0.0022	14	-52 52 41.09	-0.007	14	0.23	20.640	15	38.4	41.00	18	38.4	A2	C9	4978	P -52 6305
69	8.9	8.0W	11 23.055	-0.0031	07	-54 41 50.92	-0.009	07	0.18	23.090	15	38.4	50.82	18	38.4	K0	C9	4979	P -54 5491
70	9.5E	9.1Z	11 35.755	-0.0015	12	-51 17 40.43	-0.017	12	0.84	35.830	63	00.5	39.59	57	00.5	A0	CZ	11100	P -50 5832
71	9.3	9.3W	11 35.754	-0.0032	07	-56 32 50.86	-0.024	07	0.14	35.765	14	46.5	50.78	14	46.5	A2	CO	4111	P -56 5657
72	9.7	9.9W	11 53.291	0.0032	15	-55 5 17.70	0.014	15	0.24	53.254	15	38.4	17.85	18	38.4	B9	C9	4980	P -54 5500
73		7.7T	11 55.608	-0.0080	13	-51 32 24.30	-0.057	12	0.67	56.010	19	99.5	21.24	18	96.5	F5	GC	17930	C -51 7375
74	8.4	7.5W	12 3.446	-0.0021	06	-54 42 20.17	-0.004	06	0.18	3.470	15	38.4	20.22	18	38.4	K0	C9	4981	P -54 5502
75	9.3	9.4W	12 6.874	-0.0030	07	-57 20 31.35	-0.021	07	0.14	6.885	14	46.5	31.28	14	46.5	A0	CO	4112	P -56 5665
76	8.4	8.6W	12 7.960	-0.0027	07	-59 31 43.08	-0.029	07	0.14	7.970	14	46.5	42.98	14	46.5	B9	CO	4113	P -59 4852
77	10.4		12 11.204	-0.0075	14	-52 55 1.77	-0.031	14	0.23	11.290	15	38.4	1.40	18	38.4	A2 O	C9	4982	P -52 6311
78		7.9T	12 12.704	-0.0002	10	-56 59 40.99	-0.018	10	0.52	12.713	19	04.2	40.11	18	00.3	B5	GC	17936	P -56 5666
79	10.2		12 15.764	-0.0016	13	-59 51 48.36	-0.021	13	0.15	15.770	14	46.5	48.28	14	46.5	A0	CO	4115	P -59 4853
80	10.1E	8.7Z	12 16.934	-0.0004	12	-50 42 15.06	-0.024	12	0.73	16.953	45	01.4	13.89	45	01.4	K0	CZ	11114	P -50 5845
81	8.8	8.4W	12 17.663	-0.0259	07	-55 4 31.14	-0.119	07	0.18	17.964	15	38.4	29.75	18	38.4	G0	C9	4983	P -54 5505
82	9.2	9.5W	12 18.061	-0.0019	07	-55 7 8.81	0.012	07	0.18	18.084	15	38.4	8.95	18	38.4	A	C9	4984	P -54 5503
83	9.4	9.0W	12 20.359	-0.0096	13	-53 25 43.70	-0.051	13	0.22	20.470	15	38.4	43.10	18	38.4	G0	C9	4985	P -53 5526
84	9.4	9.1W	12 20.429	0.0011	07	-56 46 20.37	-0.026	07	0.14	20.425	14	46.5	20.28	14	46.5	F8	CO	4116	P -56 5669
85	9.2	8.5W	12 33.338	0.0004	07	-55 7 18.60	-0.022	07	0.18	33.334	15	38.4	18.35	18	38.4	G5	C9	4986	P -54 5510
86	9.5	9.7W	12 42.231	-0.0011	13	-57 3 41.43	0.015	13	0.15	42.235	14	46.5	41.48	14	46.5	B8	CO	4117	P -56 5671
87	8.4E	8.2*	12 44.615	-0.0016	12	-50 13 35.81	-0.007	12	0.64	44.694	28	01.7	35.47	26	01.7	B8	CZ	11121	P -49 5866
88	9.5	9.6W	12 49.400	0.0015	07	-56 3 41.27	-0.002	07	0.18	49.383	15	38.4	41.25	18	38.4	B9	C9	4987	P -55 5455
89	9.7	8.4W	12 52.869	-0.0021	07	-56 5 29.34	-0.021	07	0.14	52.876	14	46.5	29.27	14	46.5	K5	CO	4118	P -55 5456
90	8.6	8.8W	12 55.986	-0.0026	07	-56 34 13.77	-0.025	07	0.14	55.995	14	46.5	13.68	14	46.5	B5	CO	4119	P -56 5672
91	9.1	9.5W	12 56.568	-0.0020	07	-54 20 24.95	-0.004	07	0.18	56.590	15	38.4	24.91	18	38.4	B9	C9	4989	P -53 5529
92	11.0		12 57.062	-0.0059	12	-52 58 54.41	-0.052	12	0.22	57.130	15	38.4	53.80	18	38.4	G1 O	C9	4990	P -52 6323
93		7.5T	13 0.079	-0.0033	13	-56 47 50.72	0.010	10	0.60	0.212	21	02.8	51.26	19	97.1	F0	GC	17947K	P -56 5633
94	9.8	10.0W	13 3.866	0.0013	12	-53 24 18.11	-0.000	12	0.22	3.851	15	38.4	18.10	18	38.4	A2	C9	4991	P -53 5530
95	8.3E	8.2Z	13 4.092	-0.0013	12	-50 37 57.98	-0.013	12	0.73	4.155	45	01.4	57.34	45	01.4	A0	CZ	11125	P -50 5854
96	9.8	9.3W	13 5.232	-0.0068	12	-53 51 35.12	-0.027	12	0.22	5.310	15	38.4	34.81	18	38.4	F8	C9	4992	P -53 5531
97	8.7E	8.8H	13 5.850	-0.0016	12	-50 32 41.03	-0.017	12	0.73	5.927	45	01.4	40.20	45	01.4	A0	CZ	11127	P -50 5855
98	9.5	9.6W	13 7.736	-0.0021	07	-58 6 26.63	-0.043	07	0.14	7.744	14	46.5	26.48	14	46.5	B8	CO	4121	P -57 5977
99		7.0T	13 11.148	0.0001	15	-52 9 1.32	-0.014	10	0.67	11.141	19	01.9	0.55	21	95.9	K0	GC	17949	C -51 7391
00	9.6E	9.6Z	13 11.521	0.0010	12	-50 13 6.49	-0.009	12	0.72	11.475	45	02.9	6.07	45	02.9		CZ	11130	P -49 5878

240700			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-50° 13H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	σ_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h	m s	s	″.001	°	′ ″	″	″.001	″	s	″.01		″	″.01					
1	8.9	9.0W	13	13 11.928	-0.0011	06	-58	37 14.61	-0.010	06	0.14	11.931	14	46.5	14.58	14	46.5	B8	C0	4122	P -58 4763
2	9.0	8.9W		13 12.669	-0.0035	07	-58	52 16.98	-0.028	07	0.14	12.681	14	46.5	16.88	14	46.5	F8	C0	4123	P -58 4764
3	8.9E	8.2Z		13 14.679	-0.0036	12	-50	41 27.30	-0.022	12	0.66	14.856	31	00.7	26.21	28	00.7	F0	CZ	11132	P -50 5859
4	10.2			13 17.281	-0.0000	13	-58	42 36.99	-0.002	13	0.15	17.281	14	46.5	36.98	14	46.5	A2	C0	4124	P -58 4765
5	9.6	9.6W		13 21.568	-0.0049	07	-57	4 48.60	-0.034	07	0.14	21.585	14	46.5	48.48	14	46.5	A2	C0	4125	P -56 5676
6	9.0	8.9W		13 24.149	-0.0019	09	-54	13 40.80	-0.017	09	0.20	24.170	15	38.4	40.61	18	38.4	B9	C9	4994	P*-53 5533
7	8.6	8.6W		13 50.104	-0.0033	07	-56	39 24.55	-0.021	07	0.14	50.115	14	46.5	24.48	14	46.5	A0	C0	4126	P -56 5683
8	9.9	9.0W		14 3.770	0.0049	07	-58	29 50.43	-0.014	07	0.14	3.753	14	46.5	50.38	14	46.5	G5	C0	4127	P -58 4770
9	9.1	9.0W		14 5.196	-0.0004	13	-54	33 16.79	0.028	13	0.22	5.200	15	38.4	17.12	18	38.4	A0	C9	4995	P*-54 5516
10	8.6	8.9W		14 7.616	-0.0040	07	-59	30 40.87	-0.026	07	0.14	7.630	14	46.5	40.78	14	46.5	B9	C0	4128	P -59 4881
11	9.2	9.2W		14 13.934	-0.0021	07	-58	31 50.49	-0.030	07	0.14	13.941	14	46.5	50.38	14	46.5	B8	C0	4129	P -58 4771
12	9.9	10.0W		14 20.408	-0.0020	07	-51	59 30.08	-0.041	07	0.18	20.431	15	38.4	29.60	18	38.4	A3	C9	4996	P -51 5940
13	8.8	8.7W		14 29.035	-0.0001	06	-57	17 10.06	-0.022	06	0.14	29.035	14	46.5	9.98	14	46.5	B9	C0	4130	P -56 5693
14	9.9E	9.6Z		14 31.588	-0.0005	12	-50	32 31.02	-0.001	12	0.73	31.612	45	01.4	30.97	45	01.4	A0	CZ	11148	P -50 5884
15	9.6	9.5W		14 37.666	-0.0004	11	-54	19 47.04	-0.020	11	0.21	37.670	15	38.4	46.81	18	38.4	A3	C9	4997	P -53 5541
16	9.3	9.0W		15 2.127	-0.0055	07	-52	56 57.10	-0.051	07	0.18	2.191	15	38.4	56.51	18	38.4	F5	C9	4998	P -52 6357
17	9.2	8.1W		15 3.414	-0.0032	13	-54	59 21.33	0.016	13	0.22	3.450	15	38.4	21.52	18	38.4	K2	C9	4999	P -54 5525
18		7.3T		15 10.357	-0.0019	12	-57	2 13.38	0.008	08	0.54	10.461	21	02.7	13.83	18	95.0	B8	GC	17999	P -56 5698
19	9.0	9.2W		15 12.900	-0.0027	13	-54	32 50.57	0.039	13	0.22	12.930	15	38.4	51.02	18	38.4	A0	C9	5000	P -54 5527
20	9.6	9.7W		15 30.561	-0.0001	07	-58	44 53.32	-0.012	07	0.14	30.561	14	46.5	53.28	14	46.5	B8	C0	4134	P -58 4782
21		6.4T		15 33.667	-0.0050	14	-51	1 22.27	-0.026	08	0.63	33.915	17	00.3	20.80	17	93.2	A0	GC	18003	C*-50 7660
22	9.1	8.6W		15 35.687	-0.0134	06	-58	0 15.60	-0.005	06	0.14	35.733	14	46.5	15.58	14	46.5	G5	C0	4135	P -57 5982
23	9.8	9.8W		15 38.081	-0.0017	14	-51	55 14.43	-0.028	14	0.23	38.101	15	38.4	14.10	18	38.4	A0	C9	5001	P -51 5955
24	9.7	9.4W		15 38.168	0.0004	06	-56	19 34.38	-0.003	06	0.14	38.166	14	46.5	34.37	14	46.5	F2	C0	4136	P -55 5483
25	10.2E	9.0Z		15 40.299	-0.0066	12	-51	1 56.81	-0.031	12	0.71	40.607	45	03.3	55.37	45	03.3		CZ	11170	P -50 5900
26	8.7	9.0W		15 41.328	-0.0037	07	-58	57 35.29	-0.004	07	0.14	41.341	14	46.5	35.28	14	46.5	B9	C0	4137	P -58 4790
27	9.6E	9.3H		15 42.598	-0.0033	12	-50	32 1.11	-0.021	12	0.71	42.751	45	03.3	0.12	45	03.3	F8	CZ	11173	P -50 5902
28	9.0	9.3W		15 42.673	-0.0024	07	-52	13 2.07	-0.031	07	0.18	42.701	15	38.4	1.70	18	38.4	A0	C9	5002	P -51 5957
29	9.3	9.5W		15 47.115	-0.0013	09	-59	40 45.73	-0.015	09	0.14	47.120	14	46.5	45.68	14	46.5	A0	C0	4138	P -59 4898
30	9.5	9.6W		15 47.217	-0.0029	12	-53	8 2.24	-0.003	12	0.22	47.251	15	38.4	2.20	18	38.4	A0	C9	5003	P -52 6371
31	10.2	9.0W		15 47.883	-0.0023	06	-58	39 58.72	-0.012	06	0.14	47.891	14	46.5	58.68	14	46.5	K2	C0	4139	P -58 4793
32	9.5	9.0W		15 50.548	-0.0227	07	-52	57 25.79	-0.162	07	0.18	50.811	15	38.4	25.90	18	38.4	G5	C9	5004	P -52 6374
33	8.2	7.9W		16 3.009	-0.0070	07	-52	23 31.16	-0.022	07	0.18	3.091	15	38.4	30.90	18	38.4	F5	C9	5005	P -51 5961
34	8.4	8.7W		16 3.195	-0.0031	07	-52	48 56.33	-0.019	07	0.18	3.231	15	38.4	56.15	18	38.4	A0	C9	5006	P -52 6379
35	8.5	8.8W		16 4.951	-0.0015	06	-56	0 59.19	-0.033	06	0.14	4.956	14	46.5	59.07	14	46.5	B8	C0	4140	P -55 5486
36	9.7	8.8W		16 6.145	-0.0057	07	-54	40 43.47	-0.022	07	0.18	6.210	15	38.4	43.22	18	38.4	K2	C9	5008	P -54 5539
37	8.3	8.3W		16 8.496	-0.0044	07	-59	12 34.05	-0.020	07	0.14	8.511	14	46.5	33.98	14	46.5	F0	C0	4141	P -58 4798
38	9.7	9.6W		16 10.793	-0.0093	07	-52	23 43.48	-0.084	07	0.18	10.901	15	38.4	42.50	18	38.4	F0	C9	5009	P -52 6384
39	9.0	9.1W		16 12.341	-0.0036	06	-57	55 56.28	-0.001	06	0.14	12.354	14	46.5	56.28	14	46.5	A2	C0	4142	P -57 5986
40	8.6	7.6W		16 14.992	-0.0027	06	-55	25 20.10	-0.039	06	0.18	15.024	15	38.4	19.65	18	38.4	K2	C9	5010	P -55 5488
41	9.8	9.6W		16 16.135	-0.0046	07	-58	30 2.24	-0.017	07	0.14	16.151	14	46.5	2.18	14	46.5	A0	C0	4143	P -58 4801
42	9.4	8.3W		16 19.015	-0.0024	07	-58	12 57.80	-0.005	07	0.14	19.023	14	46.5	57.78	14	46.5	K0	C0	4144	P -57 5988
43		7.8T		16 20.108	0.0006	16	-58	58 48.40	-0.016	13	0.65	20.083	19	08.7	47.74	19	07.5	K2	GC	18016	P -58 4803
44	9.7	9.8W		16 27.903	-0.0033	14	-54	2 24.55	-0.004	14	0.23	27.940	15	38.4	24.51	18	38.4	A0	C9	5011	P -53 5554
45	9.9E	9.4Z		16 35.403	-0.0045	12	-51	2 14.50	-0.011	12	0.71	35.613	45	03.3	13.99	45	03.3	F5	CZ	11179	P -50 5910
46	10.1			16 39.140	0.0001	14	-59	49 11.21	-0.008	14	0.15	39.140	14	46.4	11.18	14	46.4	A0	C0	3894	P -59 4905
47	9.0	9.2W		16 46.564	-0.0032	07	-52	34 39.94	-0.037	07	0.18	46.600	15	38.4	39.50	18	38.4	A0	C9	5012	P -52 6393
48	10.1	9.8W		16 47.610	-0.0060	13	-59	5 11.11	-0.010	13	0.15	47.631	14	46.5	11.08	14	46.5	A2	C0	4147	P -58 4808
49	9.9	9.5W		16 56.293	0.0062	12	-59	10 40.91	-0.038	12	0.15	56.271	14	46.5	40.78	14	46.5	G0	C0	4148	P -58 4809
50	9.1	9.3W		16 57.264	-0.0034	07	-55	0 39.85	0.044	07	0.18	57.304	15	38.4	40.35	18	38.4	A0	C9	5013	P -54 5547
51	9.7E	9.1*	13	16 59.731	-0.0019	12	-50	29 39.88	-0.030	12	0.65	59.824	31	02.0	38.44	28	02.0	A2	CZ	11184	P -50 5917
52	8.6	8.6W		17 7.112	-0.0035	07	-55	30 11.22	-0.024	07	0.18	7.153	15	38.4	10.95	18	38.4	A2	C9	5014	P -55 5498
53	8.3	8.7W		17 8.985	-0.0031	08	-53	12 40.57	-0.005	08	0.19	9.020	15	38.4	40.50	18	38.4	A0	C9	5015	P -52 6400
54	10.0E	9.7Z		17 13.451	-0.0018	12	-50	44 10.06	-0.001	12	0.71	13.534	45	03.3	10.01	45	03.3	F5	CZ	11187	P -50 5918
55	9.7	9.5W		17 20.626	-0.0058	07	-56	24 47.29	-0.035	07	0.14	20.646	14	46.5	47.17	14	46.5	F8	C0	4149	P -56 5721
56		6.4T		17 22.884	-0.0049	11	-59	30 38.75	-0.029	08	0.47	23.120	18	07.7	37.37	18	02.2	F2	GC	18030K	P*-59 4912
57	9.8E	9.5Z		17 23.382	-0.0015	12	-50	57 6.73	-0.008	12	0.71	23.452	45	03.3	6.36	45	03.3	A0	CZ	11189	P -50 5924
58	9.4	9.4W		17 24.155	-0.0001	07	-56	49 37.43	-0.015	07	0.14	24.155	14	46.5	37.38	14	46.5	A0	C0	4151	P -56 5722
59	9.1	9.2W		17 26.649	-0.0014	07	-58	23 12.32	-0.011	07	0.14	26.653	14	46.5	12.28	14	46.5	B9	C0	4152	P -57 5998
60	10.0E	9.4Z		17 28.767	0.0045	12	-50	25 30.85	-0.032	12	0.71	28.559	45	03.3	29.35	45	03.3	F8	CZ	11192	P -50 5925
61		9.5T		17 30.685	-0.0016	28	-52	44 39.37	-0.061	20	1.06	30.750	22	08.5	36.71	22	06.0	A0	GC	18033	P -52 6404
62		5.7T		17 34.632	-0.0031	07	-52	29 8.20	-0.023	05	0.29	34.759	12	08.7	7.09	12	02.2	B3	GC	18034	P*-52 6405
63	10.7			17 38.256	-0.0043	13	-58	54 19.66	0.005	13	0.15	38.271	14	46.5	19.68	14	46.5	A1	C0	4153	P -58 4817
64	10.1E	9.6H		17 40.617	-0.0003	12	-50	18 9.47	-0.013	12	0.71	40.632	45	03.3	8.86	45	03.3	K0	CZ	11198	P -49 5970
65		6.2T		17 41.449	-0.0016	13	-55	32 19.42	0.002	11	0.64	41.531	19	00.8	19.53	18	98.1	B0	GC	18036	P -55 5504
66	9.1	8.8W		17 44.383	-0.0007	08	-51	59 37.67	-0.014	08	0.19	44.391	15	38.4	37.50	18	38.4	G0	C9	5019	P -51 5989
67	9.3	9.5W		17 44.486	-0.0020	06	-58	13 8.51	-0.009	06	0.14	44.493	14	46.5	8.48	14	46.5	A0	C0	4154	P -57 6002
68	9.9			17 59.394	-0.0027	13	-58	27 18.56	0.005	13	0.15	59.403	14	46.5	18.58	14	46.5	B5	C0	4155	P -58 4821
69	9.8			18 3.558	0.0015	14	-52	37 8.70	0.001	14	0.23	3.540	15	38.4	8.70	18	38.4	B9	C9	5020	P -52 6413
70	10.0E	9.0H		18 4.405	-0.0020	12	-50	26 20.12	-0.009	12	0.71	4.500	45	03.3	19.70	45	03.3	K2	CZ	11207	P -50 5934
71		7.6T		18 7.971	-0.0032	17	-51	24 33.73	-0.015	13	0.77	8.125	19	01.9	32.97	18	98.7	B9	GC	18049	C -51 7453
72	8.7	8.5W		18 11.095	-0.0014	08	-53	5 43.29	-0.016	08	0.19	11.110	15	38.4	43.10	18	38.4	F5	C9	5021	P -52 6416
73	9.6	9.6W		18 28.010	-0.0028	07	-59	31 26.38	-0.029	07	0.14	28.020	14	46.5	26.28	14	46.5	B8	C0	4156	P -59 4924
74		8.0T		18 41.958	-0.0041	18	-55	9 18.78	-0.001	15	0.80	42.146	24	05.1	18.74	24	03.5	A0	GC	18065K	P*-54 5559
75	9.8	9.5W		18 50.687	-0.0046	07	-54	6 58.38	-0.032	07	0.18	50.740	15	38.4	58.01	18	38.4	F8	C9	5024	P -53 5567
76		7.0T		18 53.803	-0.0004	13	-59	55 25.30	-0.020	10	0.61	53.825	21	04.2	24.31	19	99.8	B5	GC	18067	P -59 4926
77	9.8	9.8W		18 54.482	-0.0033	14	-52	15 0.55	-0.021	14	0.23	54.521	15	38.4	0.30	18	38.4	A3	C9	5025	P*-51 6004
78		7.3T		18 54.995	-0.0038	11	-51	1 14.29	-0.030	08	0.43	55.152	15	08.7	12.97	15	05.7	A2	GC	18070	C -50 7708
79	8.7	9.0W		18 56.307	-0.0023	07	-57	25 40.94	-0.017	07	0.14	56.315	14	46.5	40.88	14	46.5	B8	C0	4158	P -57 6015
80	9.7E	8.2Z		18 59.511	0.0001	12	-51	26 14.76	0.009	12	0.81	59.507	63	04.3	15.17	57	04.3	K0	CZ	11218	P -51 6009
81	8.7	8.9W		19 1.127	-0.0030	07	-55	38 13.61	-0.014	07	0.18	1.163	15	38.4	13.45	18	38.4	A0	C9	5026	P -55 5516
82		6.1T		19 12.943	-0.0009	10	-51	55 17.65	-0.003	08	0.38	12.978	09	10.0	17.51	09	07.2	B0	GC	18081	C*-51 7465
83	9.6	9.6W		19 17.537	-0.0026	07	-56	4 44.55	-0.024	07	0.14	17.546	14	46.5	44.47	14	46.5	A2	C0	4159	P -55 5517
84	9.6E	8.0Z		19 20.836	0.0006	12	-51	29 18.89	0.010	12	0.81	20.809	63	04.3	19.36	57	04.3	K5	CZ	11223	P -51 6014
85	9.7E	9.1Z		19 27.260	-0.0035	12	-50	11 28.69	-0.018	12	0.73	27.432	45	01.3	27.81	45	01.3	K0	CZ	11225	P -49 5998
86	8.7	8.6W		19 28.671	-0.0043	08	-51	54 24.82	-0.018	08	0.19	28.721	15	38.4	24.60	18	38.4	A5	C9	5029	P -51 6017
87	9.4	9.6W		19 30.042	-0.0042	07	-54	14 44.55	-0.012	07	0.18	30.090	15	38.4	44.41	18	38.4	B9	C9	5030	P -53 5572
88	9.8E	9.7Z		19 30.336	-0.0041	12	-50	8 7.80	-0.024	12	0.73	30.537	45	01.3	6.64	45	01.3	A5	CZ	11226	P -49 6000
89	9.6	9.4W		20 0.687	-0.0040	06	-58	43 33.33	-0.016	06	0.14	0.701	14	46.5	33.28	14	46.5	A0	C0	4160	P -58 4835
90	10.0E	9.5*	20	0.720	-0.0019	12	-50	6 27.59	-0.012	12	0.66	0.815	31	00.7	27.01	28	00.7	A0	CZ	11231	P -49 6009
91		8.3T	20	1.780	-0.0054	17	-59	57 57.16	-0.002	13	0.71	2.040	21	06.4	57.07	19	02.2	G5	GC	18098	P -59 4938
92	9.1	8.8W	20	3.460	-0.0009	07	-54	56 54.21	-0.034	07	0.18	3.470	15	38.4	53.82	18	38.4	F8	C9	5031	P -54 5571
93	8.6	8.5W	20	41.465	-0.0094	07	-55	7 38.91	-0.014	07	0.18	41.574	15	38.4	38.75	18	38.4	F0	C9	5032	P -54 5575
94	9.9	9.6W	20	42.373	-0.0020	13	-59	32 56.26	0.006	13	0.15	42.380	14	46.5	56.28	14	46.5	B0	C0	4164	P -59 4951
95	10.1E	8.5Z	20	43.305	-0.0014	12	-50	9 27.59	-0.013	12	0.73	43.374	45	01.3	26.96	45	01.3	K2	CZ	11238	P -49 6024
96	8.9	9.3W	20	48.215	-0.0019	13	-59	14 39.09	-0.003	13	0.15	48.221	14	46.5	39.08	14	46.5	A0	C0	4165	P -58 4843
97	10.2	9.6W	20	52.115	-0.0103	11	-59	5 11.04	-0.018	11	0.15	52.151	14	46.5	10.98	14	46.5	F8	C0	4166	P -58 4844
98	9.6E	9.4Z	20	54.670	-0.0011	12	-50	58 33.40	-0.003	12	0.66	54.721	36	03.3	33.26	36	03.3	A0	CZ	11242	P -50 5985
99	8.8	8.9W	20	55.787	-0.0020	07	-53	19 48.63	-0.028	07	0.18	55.810	15	38.4	48.30	18	38.4	A0	C9	5033	P -52 6454
00	10.4	9.3W	20	59.328	-0.0039	07	-58	47 20.53	-0.015	07	0.14	59.341	14	46.5	20.48	14	46.5	K2	C0	4167	P -58 4845

240800 -50° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.1E	9.1Z	13 21 0.843	-0.0022	12	-50 26 3.41	-0.000	12	0.66	0.948	36	03.3	3.41	36	03.3	K2	CZ	11248	P -50 5988
2	7.2	7.5W	21 2.934	-0.0040	06	-53 31 56.40	-0.017	06	0.18	2.980	15	38.4	56.21	18	38.4	A0	C9	5034	P -53 5586
3	9.8	8.0W	21 8.092	-0.0000	07	-55 39 55.94	-0.025	07	0.18	8.093	15	38.4	55.65	18	38.4	K5	C9	5035	P -55 5531
4		7.8T	21 16.015	-0.0015	12	-53 44 20.33	-0.024	09	0.59	16.088	21	01.8	19.02	18	96.6	A0	GC	18121	P -53 5591
5	9.9	9.2W	21 17.419	0.0024	07	-52 37 16.77	-0.100	07	0.18	17.390	15	38.4	15.60	18	38.4	G5	C9	5037	P -52 6462
6	9.0	9.3W	21 18.349	-0.0008	06	-58 33 46.90	-0.007	06	0.14	18.351	14	46.5	46.88	14	46.5	A0	C0	4168	P -58 4848
7		6.7T	21 22.152	-0.0031	15	-51 36 53.16	0.009	11	0.69	22.299	22	02.2	53.63	21	96.6	K0	GC	18123	C -51 7488
8	9.1	9.3W	21 25.183	-0.0015	07	-54 57 25.53	-0.027	07	0.18	25.200	15	38.4	25.22	18	38.4	A3	C9	5038	P -54 5577
9	8.3	8.6W	21 25.902	-0.0044	07	-55 11 26.10	-0.029	07	0.18	25.954	15	38.4	25.75	18	38.4	A0	C9	5039	P -54 5578
10		7.0T	21 30.015	-0.0047	16	-53 39 14.21	0.015	10	0.66	30.226	22	05.2	14.99	21	99.7	K0	GC	18124	P -53 5593
11		7.2T	21 32.846	-0.0041	14	-51 14 37.80	-0.027	11	0.67	33.048	19	00.6	36.35	18	95.8	A2	GC	18126K	C*-50 7747
12	9.7	9.7W	21 34.221	-0.0017	14	-51 59 22.66	-0.039	14	0.23	34.241	15	38.4	22.20	18	38.4	A2	C9	5041	P*-51 6041
13	9.7	9.7W	21 35.015	-0.0024	07	-58 0 1.93	-0.013	07	0.14	35.023	14	46.5	1.88	14	46.5	B9	C0	4169	P -57 6031
14	10.0E	10.0Z	21 37.094	-0.0018	12	-50 16 17.57	-0.023	12	0.71	37.178	45	03.8	16.51	45	03.8	A0	CZ	11260	P -49 6044
15	8.5E	8.5H	21 37.623	-0.0029	12	-50 18 51.98	-0.010	12	0.64	37.763	31	02.3	51.51	28	02.3	A2	CZ	11262	P -49 6045
16	10.1E	9.8Z	21 38.022	-0.0007	12	-50 37 17.82	-0.007	12	0.71	38.054	45	03.8	17.49	45	03.8	B5	CZ	11261	P -50 6000
17	9.9		21 39.561	-0.0058	14	-58 57 59.30	0.023	14	0.15	39.581	14	46.5	59.38	14	46.5	A0	C0	4170	P -58 4854
18	10.2E	9.9Z	21 43.769	-0.0011	12	-50 51 30.05	0.002	12	0.71	43.819	45	03.8	30.14	45	03.8	A2	CZ	11263	P -50 6001
19	9.0	9.1W	21 46.262	-0.0016	07	-53 33 35.83	-0.011	07	0.18	46.280	15	38.4	35.71	18	38.4	A2	C9	5042	P -53 5595
20	9.6	8.6W	21 47.492	-0.0068	14	-52 7 6.85	-0.047	14	0.23	47.571	15	38.4	6.30	18	38.4	K0	C9	5043	P -51 6044
21	8.7	8.9W	21 59.004	0.0007	06	-58 39 24.21	-0.010	06	0.14	59.001	14	46.5	24.18	14	46.5	B8	C0	4171	P -58 4858
22			22 6.824	-0.0015	07	-59 31 16.74	-0.017	07	0.14	6.830	14	46.5	16.68	14	46.5	B9	C0	4172V	P*-59 4971
23		8.1T	22 7.986	-0.0053	15	-51 34 52.79	0.025	11	0.69	8.236	22	02.6	54.11	21	96.6	B2	GC	18140	C -51 7500
24	8.6	8.5W	22 14.574	-0.0066	07	-53 34 41.07	-0.040	07	0.18	14.650	15	38.4	40.61	18	38.4	F0	C9	5044	P -53 5599
25	9.7	9.7W	22 14.731	-0.0007	06	-58 27 16.45	-0.019	06	0.14	14.733	14	46.5	16.38	14	46.5	A0	C0	4173	P -58 4862
26	9.8E	8.7Z	22 16.436	0.0022	12	-50 55 21.74	-0.022	12	0.71	16.334	45	03.8	20.73	45	03.8	K5	CZ	11275	P -50 6007
27	9.5	9.5W	22 16.737	0.0023	15	-53 58 44.68	-0.075	15	0.24	16.710	15	38.4	43.81	18	38.4	A0	C9	5045	P -53 5600
28		7.1T	22 16.846	-0.0029	14	-51 37 46.08	-0.012	11	0.66	16.988	19	00.5	45.43	18	96.6	A2	GC	18143	C -51 7504
29	7.7	7.7W	22 25.615	-0.0031	06	-52 6 6.66	-0.039	06	0.18	25.651	15	38.4	6.20	18	38.4	A3	C9	5046	P -51 6057
30	9.1	8.1W	22 34.895	0.0064	15	-54 24 1.85	-0.047	15	0.24	34.820	15	38.4	1.31	18	38.4	K0	C9	5047	P -54 5588
31	9.4E	8.5Z	22 37.099	-0.0022	12	-51 17 8.13	0.008	12	0.81	37.200	63	04.3	8.50	57	04.3	A3	CZ	11281	P -50 6009
32	9.9	9.9W	22 42.223	-0.0067	12	-52 56 31.06	0.030	12	0.22	42.300	15	38.4	31.40	18	38.4	B8	C9	5048	P -52 6480
33	9.4	9.5W	22 49.160	-0.0011	07	-58 18 59.29	-0.002	07	0.14	49.163	14	46.5	59.28	14	46.5	A0	C0	4174	P -57 6044
34	7.9E	8.0Z	22 52.656	-0.0028	12	-50 55 0.73	-0.011	12	0.64	52.791	31	02.3	0.22	28	02.3	A2	CZ	11288	P -50 6015
35		7.6T	22 58.357	-0.0069	14	-51 13 10.68	-0.011	10	0.65	58.691	19	01.6	10.08	19	94.6	A3	GC	18151	C -50 7765
36	9.7	9.5W	22 59.590	-0.0045	07	-56 46 50.14	-0.016	07	0.14	59.605	14	46.5	50.08	14	46.5	A5	C0	4175	P*-56 5767
37	10.2E	9.3Z	23 2.984	-0.0027	12	-50 7 7.89	-0.011	12	0.73	3.116	45	01.8	7.36	45	01.8	K2	CZ	11290	P -49 6069
38	9.6	9.9W	23 3.474	-0.0029	07	-57 42 23.03	-0.016	07	0.14	3.484	14	46.5	22.98	14	46.5	A0	C0	4176	P -57 6047
39	8.7	8.5W	23 5.955	-0.0025	06	-57 49 3.88	-0.028	06	0.14	5.964	14	46.5	3.78	14	46.5	A5	C0	4177	P -57 6048
40	9.7	9.6W	23 7.833	-0.0024	07	-54 28 52.08	-0.006	07	0.18	7.860	15	38.4	52.01	18	38.4	A2	C9	5051	P -54 5592
41	9.9	9.6W	23 15.408	-0.0008	13	-59 3 28.59	-0.004	13	0.15	15.411	14	46.5	28.58	14	46.5	A2	C0	4178	P -58 4867
42	9.5	9.6W	23 17.831	-0.0031	06	-58 38 28.05	-0.020	06	0.14	17.841	14	46.5	27.98	14	46.5	A0	C0	4179	P -58 4869
43	9.5	9.6W	23 18.322	-0.0042	14	-53 50 7.86	-0.039	14	0.23	18.370	15	38.4	7.41	18	38.4	A0	C9	5052	P -53 5068
44	9.6	8.8W	23 24.934	-0.0118	07	-57 28 51.81	-0.065	07	0.14	24.975	14	46.5	51.58	14	46.5	G5	C0	4180	P -57 6054
45	10.0	10.1W	23 26.716	-0.0021	14	-52 43 36.07	0.003	14	0.23	26.740	15	38.4	36.10	18	38.4	A0	C9	5053	P -52 6491
46	9.4	9.3W	23 43.242	-0.0016	06	-52 32 12.34	-0.020	06	0.18	43.261	15	38.4	12.10	18	38.4	A5	C9	5054	P -52 6495
47	9.0	9.3W	23 43.802	-0.0042	08	-53 12 34.48	-0.006	08	0.19	43.850	15	38.4	34.40	18	38.4	A0	C9	5055	P -52 6496
48	9.6	9.7W	23 46.990	-0.0032	14	-59 4 42.51	0.020	14	0.15	47.052	14	46.5	42.58	14	46.5	A0	C0	4181	P -58 4874
49	9.7	8.8W	23 47.152	-0.0121	07	-56 4 11.53	-0.033	07	0.18	47.292	15	38.4	11.15	18	38.4	K0	C9	5056	P -55 5556
50	7.5	7.7W	23 49.936	-0.0021	06	-53 31 37.58	-0.024	06	0.18	49.960	15	38.4	37.31	18	38.4	A0	C9	5057	P -53 5613
51	9.3	9.4W	13 23 52.299	-0.0006	14	-58 59 11.32	0.018	14	0.15	52.301	14	46.5	11.38	14	46.5	A0	C0	4182	P -58 4877
52	9.5	8.7W	23 55.697	-0.0041	07	-59 12 50.46	-0.022	07	0.14	55.711	14	46.5	50.38	14	46.5	G5	C0	4183	P -58 4878
53	10.0	9.6W	23 57.240	-0.0061	07	-59 22 40.26	-0.024	07	0.14	57.261	14	46.5	40.18	14	46.5	G0	C0	4184	P -58 4879
54	8.4	8.6W	24 0.660	-0.0038	06	-58 1 35.51	-0.009	06	0.14	0.673	14	46.5	35.48	14	46.5	A0	C0	4185	P -57 6057
55	9.5	9.5W	24 13.415	-0.0027	07	-56 31 39.74	-0.019	07	0.14	13.425	14	46.5	39.68	14	46.5	B8	C0	4186	P -56 5774
56	9.9		24 15.231	-0.0001	14	-58 53 33.13	-0.015	14	0.15	15.231	14	46.5	33.08	14	46.5	A0	C0	4187	P -58 4881
57		8.7T	24 19.644	-0.0038	13	-53 53 43.91	-0.021	11	0.63	19.827	21	02.0	42.84	18	97.8	A0	GC	18175	P -53 5615
58	10.0E	8.5Z	24 44.137	0.0008	12	-51 38 55.53	-0.008	12	0.81	44.099	63	04.3	55.17	57	04.3	K0	CZ	11311	P -51 6086
59		8.0T	24 45.104	-0.0256	14	-56 46 13.10	-0.054	11	0.66	46.425	21	03.2	10.32	19	98.3	K0	GC	18180	P -56 5777
60	9.7	9.2W	24 45.713	-0.0024	15	-53 27 51.10	-0.034	15	0.24	45.740	15	38.4	50.70	18	38.4	G0	C9	5059	P -53 5620
61	9.1	8.8W	24 47.127	-0.0075	06	-57 50 40.31	-0.067	06	0.14	47.154	14	46.5	40.08	14	46.5	G0	C0	4189	P*-57 6065
62	10.4E	9.5Z	24 47.889	-0.0043	12	-51 49 44.83	-0.014	12	0.81	48.084	63	04.3	44.18	57	04.3	G	CZ	11312	P -51 6088
63	10.1E	9.0Z	24 50.863	-0.0002	12	-51 44 44.94	-0.014	12	0.81	50.871	63	04.3	44.30	57	04.3	K0	CZ	11313	P -51 6089
64	10.5	8.8W	24 56.338	0.0006	15	-53 15 15.54	0.032	15	0.24	56.330	15	38.4	15.90	18	38.4	K5	C9	5060	P -52 6507
65		8.4T	25 0.048	-0.0040	13	-53 54 22.09	0.006	11	0.65	0.243	21	01.2	22.42	19	98.1	A0	GC	18184	P -53 5622
66		7.2T	25 5.997	-0.0003	12	-59 16 23.14	-0.042	10	0.57	6.014	19	01.8	20.95	18	97.5	G5	GC	18187	P -58 4889
67	8.8	9.0W	25 7.528	-0.0011	08	-54 15 2.02	-0.010	08	0.19	7.540	15	38.4	1.91	18	38.4	A0	C9	5062	P -53 5624
68		7.3T	25 13.327	0.0013	13	-55 31 15.05	-0.027	10	0.61	13.258	19	02.0	13.65	17	97.6	F0	GC	18194	P -55 5570
69	8.9E	8.7Z	25 17.716	0.0006	12	-51 1 58.54	-0.055	12	0.71	17.688	45	03.8	56.00	45	03.8	A5	CZ	11320	P -50 6044
70	9.5	8.6W	25 19.759	-0.0019	07	-53 49 13.47	-0.023	07	0.18	19.780	15	38.4	13.21	18	38.4	G5	C9	5065	P -53 5625
71	9.7	9.6W	25 20.468	-0.0011	15	-54 2 58.77	-0.031	15	0.24	20.480	15	38.4	58.41	18	38.4	A2	C9	5066	P -53 5626
72	10.2E	9.9Z	25 26.089	-0.0021	12	-51 20 7.51	-0.003	12	0.81	26.185	63	04.3	7.38	57	04.3	F0	CZ	11322	P -50 6050
73	10.0	9.7W	25 29.339	-0.0031	13	-59 41 26.41	-0.009	13	0.15	29.350	14	46.5	26.38	14	46.5	B5	C0	4193	P -59 4997
74	8.0	8.1W	25 31.973	-0.0041	08	-52 56 55.07	-0.005	08	0.19	32.020	15	38.4	55.01	18	38.4	A2	C9	5067	P -52 6511
75	10.5		25 32.435	0.0039	13	-59 6 50.96	0.007	13	0.15	32.421	14	46.5	50.98	14	46.5	F8	C0	4194	P -58 4891
76	9.6	9.6W	25 33.514	-0.0031	07	-57 15 49.59	-0.032	07	0.14	33.525	14	46.5	49.48	14	46.5	A0	C0	4195	P -56 5780
77	9.7	9.4W	25 36.936	0.0001	07	-56 26 52.39	-0.034	07	0.14	36.936	14	46.5	52.27	14	46.5	F5	C0	4196	P -56 5781
78	9.8	9.7W	25 37.440	-0.0005	07	-58 35 1.87	0.004	07	0.14	37.441	14	46.5	1.88	14	46.5	A1	C0	4197	P -58 4893
79	7.8	8.2W	25 49.136	-0.0017	06	-58 41 1.29	-0.002	06	0.14	49.141	14	46.5	1.28	14	46.5	B9	C0	4198	P -58 4894
80		7.7T	26 5.426	0.0023	12	-54 39 34.25	-0.024	10	0.54	5.325	18	06.7	33.04	18	00.8	G5	GC	18216K	P -54 5606
81	10.1	9.4W	26 5.599	-0.0064	11	-58 47 5.83	0.013	11	0.15	5.621	14	46.5	5.88	14	46.5	G5	C0	4199	P -58 4898
82	8.6	8.9W	26 19.602	-0.0025	07	-53 47 25.72	-0.010	07	0.18	19.630	15	38.4	25.61	18	38.4	A0	C9	5069	P -53 5635
83		5.3T	26 20.569	-0.0001	08	-50 54 24.80	-0.021	05	0.31	20.573	14	10.0	23.78	12	01.2	A2	GC	18220	C*-50 7812
84	8.7	9.0W	26 26.155	-0.0002	06	-56 14 8.53	-0.018	06	0.14	26.156	14	46.5	8.47	14	46.5	A0	C0	4200	P -55 5583
85		6.9T	26 31.932	-0.0039	15	-52 29 57.60	-0.011	12	0.71	32.119	22	01.6	57.01	21	97.6	K0	GC	18224	P -52 6516
86	9.6		26 32.489	-0.0035	12	-59 8 25.82	-0.010	12	0.15	32.501	14	46.5	25.78	14	46.5	B9	C0	4201	P -58 4902
87	10.4	9.8W	26 34.906	-0.0047	14	-53 20 33.05	-0.038	14	0.23	34.960	15	38.4	32.60	18	38.4	G0	C9	5071	P -52 6517
88	9.2	7.8W	26 35.192	0.0077	11	-57 18 20.32	-0.041	11	0.15	35.165	14	46.5	20.18	14	46.5	K0	C0	4202	P -56 5785
89	7.4	7.7W	26 36.010	-0.0009	06	-53 44 41.58	-0.023	06	0.18	36.020	15	38.4	41.31	18	38.4	B3	C9	5072	P -53 5639
90	9.8E	9.0*	26 45.940	-0.0006	12	-50 0 12.85	-0.001	12	0.65	45.971	31	01.0	12.80	28	01.0	G5	CZ	11348	P -49 6126
91	10.5E	9.8*	26 48.797	0.0005	12	-51 50 42.16	-0.004	12	0.65	48.772	31	01.4	41.95	28	01.4		CZ	11351	P -51 6107
92		7.9T	26 54.585	-0.0045	17	-56 24 59.05	-0.011	13	0.73	54.800	22	05.5	58.53	21	02.1	A0	GC	18237	P -56 5788
93	8.4	8.1W	26 54.592	-0.0034	06	-58 13 34.56	-0.023	06	0.14	54.604	14	46.5	34.48	14	46.5	F8	C0	4203	P -57 6083
94	10.2E	9.0Z	26 59.479	-0.0019	12	-50 44 31.29	-0.003	12	0.67	59.568	36	02.7	31.14	36	02.7	K2	CZ	11357	P -50 6076
95	9.8	8.7W	27 4.694	0.0010	07	-56 8 16.46	-0.044	07	0.18	4.682	15	38.4	15.95	18	38.4	K2	C9	5073	P -55 5591
96	10.3E	9.9Z	27 9.005	-0.0015	12	-51 15 54.65	-0.012	12	0.72	9.077	45	02.4	54.08	45	02.4	A0	CZ	11362	P -50 6078
97		6.7T	27 10.363	-0.0052	15	-58 24 23.06	-0.013	10	0.63	10.633	19	04.3	22.36	18	98.0	K0	GC	18242	P -58 4909
98	8.9	8.7W	27 11.611	-0.0029	13	-59 8 54.69	0.054	13	0.15	11.621	14	46.5	54.88	14	46.5	F0	C0	4206	P -58 4908
99	10.0	9.1W	27 14.696	-0.0013	06	-58 42 0.39	-0.002	06	0.14	14.691	14	46.5	0.38	14	46.5	K0	C0	4207	P -58 4910
00	8.7	7.9W	27 14.751	-0.0043	07	-55 57 6.71	-0.011	07	0.14	14.766	14	46.5	6.67	14	46.5	K0	C0	4208	P -55 5593

240900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 13H DM NUMBER
1	9.2E	9.0Z	13 27 21.422	-0.0106	12	-50 52 34.42	-0.035	12	0.73	21.931	45	01.9	32.74	45	01.9	F8	CZ	11367	P -50 6082
2	8.5	7.7W	27 23.205	-0.0031	06	-53 40 29.95	-0.004	06	0.18	23.240	15	38.4	29.91	18	38.4	K0	C9	5075	P -53 5643
3	9.5	9.5W	27 31.371	0.0000	07	-54 12 18.35	-0.012	07	0.18	31.370	15	38.4	18.21	18	38.4	A2	C9	5076	P -53 5646
4	9.5E	9.6Z	27 34.220	-0.0035	12	-51 48 32.90	-0.023	12	0.84	34.392	63	00.5	31.74	57	00.5	B9	CZ	11372	P -51 6116
5	9.6	9.5W	27 38.097	0.0021	15	-55 45 50.94	-0.025	15	0.24	38.073	15	38.4	50.65	18	38.4	A5	C9	5077	P -55 5598
6	10.2		27 40.753	-0.0002	07	-58 26 47.39	-0.003	07	0.14	40.753	14	46.5	47.38	14	46.5	F8	CO	4209	P -58 4915
7	9.9	9.6W	27 40.969	-0.0036	07	-58 45 52.21	-0.008	07	0.14	40.981	14	46.5	52.18	14	46.5	A2	CO	4210	P -58 4914
8	9.3	8.4W	27 41.280	-0.0027	07	-54 8 32.24	0.014	07	0.18	41.310	15	38.4	32.41	18	38.4	K0	C9	5078	P -53 5649
9	9.9E	9.5Z	27 53.458	-0.0029	12	-51 38 42.25	-0.017	12	0.84	53.600	63	00.5	41.42	57	00.5	G0	CZ	11376	P -51 6119
10	9.6	9.6W	27 56.732	-0.0026	07	-55 37 37.28	-0.012	07	0.18	56.763	15	38.4	37.15	18	38.4	A0	C9	5079	P -55 5600
11	9.4	8.6W	27 57.927	-0.0013	07	-58 33 7.89	-0.031	07	0.14	57.931	14	46.5	7.78	14	46.5	G5	CO	4211	P -58 4920
12	9.0E	8.2Z	28 1.826	-0.0002	12	-50 46 1.73	-0.001	12	0.65	1.835	31	01.0	1.68	28	01.0	K0	CZ	11379	P -50 6100
13	10.1E	9.6Z	28 6.366	-0.0032	12	-51 20 44.11	-0.015	12	0.84	6.525	63	00.5	43.37	57	00.5	G0	CZ	11381	P -51 6101
14	8.8	9.0W	28 8.681	-0.0043	08	-52 50 21.13	-0.011	08	0.19	8.730	15	38.4	21.00	18	38.4	B8	C9	5080	P -52 6535
15	9.7	8.7W	28 18.284	-0.0032	07	-57 2 26.13	-0.014	07	0.14	18.295	14	46.5	26.08	14	46.5	K2	CO	4212	P -56 5795
16	10.1E	9.7Z	28 22.723	-0.0035	12	-50 23 58.13	-0.017	12	0.73	22.893	45	01.9	57.32	45	01.9	F0	CZ	11387	P -50 6106
17	9.7E	9.1Z	28 27.231	-0.0026	12	-50 29 5.72	-0.015	12	0.73	27.358	45	01.9	5.00	45	01.9	A3	CZ	11389	P -50 6108
18	8.7E	8.8Z	28 31.522	-0.0026	12	-51 30 52.20	-0.034	12	0.67	31.651	31	99.9	50.50	31	99.9	A0	CZ	11390	P -51 6128
19	9.1	8.2W	28 37.518	-0.0002	07	-54 15 17.59	-0.016	07	0.18	37.520	15	38.4	17.41	18	38.4	K0	C9	5081	P -53 5655
20	8.7	8.5W	28 38.724	-0.0026	07	-58 10 55.30	-0.005	07	0.14	38.734	14	46.5	55.28	14	46.5	F5	CO	4213	P -57 6105
21	9.5	9.6W	28 41.291	0.0000	12	-53 7 45.73	-0.010	12	0.22	41.291	15	38.4	45.60	18	38.4	A0	C9	5082	P -52 6542
22	8.9	9.2W	28 43.504	-0.0023	08	-52 45 53.48	-0.006	08	0.19	43.530	15	38.4	53.40	18	38.4	B9	C9	5083	P -52 6544
23	10.3E	9.3Z	28 48.166	-0.0038	12	-50 58 7.12	-0.031	12	0.73	48.348	45	01.9	5.63	45	01.9	G5	CZ	11397	P -50 6112
24	8.4	8.2W	28 55.239	-0.0018	06	-57 28 37.64	-0.044	06	0.14	55.245	14	46.5	37.48	14	46.5	F8	CO	4214	P -57 6111
25	8.7E	8.0Z	28 56.062	-0.0025	12	-51 34 52.77	-0.011	12	0.84	56.184	63	00.5	52.23	57	00.5	K2	CZ	11399	P -51 6132
26	9.2	9.4W	28 56.816	-0.0020	07	-58 12 47.34	-0.018	07	0.14	56.823	14	46.5	47.28	14	46.5	B9	CO	4215	P -57 6112
27	9.5	9.7W	28 58.825	-0.0006	07	-55 47 1.31	-0.006	07	0.18	58.833	15	38.4	1.25	18	38.4	B9	C9	5084	P -55 5611
28	8.9	8.5W	29 6.203	-0.0030	06	-57 35 39.30	-0.063	06	0.14	6.214	14	46.5	39.08	14	46.5	G0	CO	4216	P -57 6115
29	10.2E	9.6Z	29 13.296	-0.0013	12	-50 44 51.64	-0.012	12	0.73	13.358	45	01.9	51.06	45	01.9	F8	CZ	11403	P -50 6121
30	9.8	9.8W	29 15.736	-0.0051	07	-58 12 15.48	0.001	07	0.14	15.754	14	46.5	15.48	14	46.5	B9	CO	4217	P -57 6117
31	10.2E	9.7Z	29 21.879	-0.0017	12	-51 45 10.82	-0.032	12	0.84	21.962	63	00.5	9.24	57	00.5		CZ	11406	P -51 6134
32	9.1	9.2W	29 25.745	0.0002	07	-55 52 35.00	-0.013	07	0.18	25.743	15	38.4	34.85	18	38.4	A0	C9	5085	P -55 5613
33	8.3	8.2W	29 31.059	-0.0046	06	-55 34 14.14	-0.043	06	0.18	31.113	15	38.4	13.65	18	38.4	F2	C9	5086	P -55 5615
34	9.1	9.3W	29 35.109	-0.0006	07	-58 59 2.55	-0.021	07	0.14	35.111	14	46.5	2.48	14	46.5	A0	CO	4218	P -58 4929
35	10.0E	9.3Z	29 40.545	-0.0053	12	-50 37 10.20	-0.031	12	0.73	40.799	45	01.9	8.71	45	01.9	F5	CZ	11411	P -50 6130
36	10.2	9.7W	29 59.780	-0.0118	13	-59 17 48.68	-0.029	13	0.15	59.821	14	46.5	48.58	14	46.5	G0	CO	4219	P -58 4932
37	10.1E	9.5Z	30 1.205	-0.0013	12	-51 24 41.60	-0.001	12	0.84	1.269	63	00.5	41.57	57	00.5	K0	CZ	11415	P -51 6143
38	9.7	8.4W	30 10.993	-0.0033	12	-54 10 30.45	0.039	12	0.22	11.032	15	38.4	30.91	18	38.4	K5	C9	5087	P -53 5664
39	9.0	8.2W	30 14.184	-0.0020	13	-56 4 31.21	-0.018	13	0.15	14.181	14	46.5	31.15	14	46.5	G5	CO	4220	P -55 5618
40	9.6	9.5W	30 15.882	-0.0017	14	-54 37 29.77	0.030	14	0.23	15.902	15	38.4	30.12	18	38.4	A0	C9	5089	P -54 5638
41	9.3	9.6W	30 16.939	-0.0023	07	-58 54 17.93	0.009	07	0.14	16.947	14	46.5	17.96	14	46.5	A0	CO	4221	P -58 4934
42	9.7	9.7W	30 31.677	-0.0027	07	-59 26 46.73	-0.020	07	0.14	31.687	14	46.5	46.66	14	46.5	A0	CO	4222	P -59 5034
43		8.1T	30 32.489	-0.0006	11	-57 58 19.70	-0.015	11	0.65	32.519	29	05.1	18.95	19	00.9	F8	GC	18317	P -57 6128
44	9.3	9.2W	30 34.787	-0.0039	09	-52 15 41.60	-0.015	09	0.20	34.832	15	38.4	41.50	18	38.4	A2	C9	5090	P -51 6149
45	10.1	9.8W	30 39.475	-0.0024	07	-52 7 53.93	-0.002	07	0.18	39.502	15	38.4	53.90	18	38.4	F8	C9	5091	P -51 6150
46	9.6	9.0W	30 43.962	-0.0026	07	-53 10 23.22	-0.018	07	0.18	43.992	15	38.4	23.00	18	38.4	G5	C9	5092	P -52 6569
47	9.9E	8.5Z	30 46.335	0.0002	12	-51 45 30.29	-0.019	12	0.84	46.324	63	00.5	29.34	57	00.5	K5	CZ	11427	P -51 6153
48	9.1	9.2W	30 49.119	-0.0023	07	-58 40 16.53	-0.019	07	0.14	49.127	14	46.5	16.46	14	46.5	B3	CO	4224	P -58 4939
49	10.0	8.9W	30 55.441	0.0012	06	-59 15 17.42	-0.017	06	0.14	55.457	14	46.5	17.36	14	46.5	K0	CO	4225	P -58 4942
50	10.5		31 5.487	0.0031	13	-59 25 2.17	-0.002	13	0.15	5.476	14	46.5	2.16	14	46.5	A1	CO	4226	P -59 5039
51		7.4T	13 31 8.983	-0.0365	12	-59 15 14.80	-0.195	09	0.54	10.850	18	03.0	4.80	17	98.8	G5	GC	18331	P -58 4943
52	9.9	9.4W	31 12.258	-0.0064	14	-52 25 13.99	-0.042	14	0.23	12.332	15	38.4	13.50	18	38.4	G5	C9	5093	P -52 6582
53	9.0	9.1W	31 12.622	-0.0017	06	-54 23 19.58	0.002	06	0.18	12.642	15	38.4	19.61	18	38.4	A3	C9	5094	P -54 5647
54	10.1		31 12.721	-0.0017	13	-58 46 43.42	0.012	13	0.15	12.727	14	46.5	43.46	14	46.5	B8	CO	4228	P -58 4945
55	9.6	8.8W	31 13.705	-0.0015	07	-53 25 49.91	-0.018	07	0.18	13.722	15	38.4	49.70	18	38.4	G5	C9	5095	P -53 5669
56	10.3	10.0W	31 14.708	-0.0047	14	-52 38 3.93	-0.028	14	0.23	14.762	15	38.4	3.60	18	38.4	F5	C9	5096	P -52 6583
57	10.2	9.2W	31 15.727	-0.0022	07	-52 7 55.32	-0.044	07	0.18	15.752	15	38.4	54.80	18	38.4	K0	C9	5097	P -51 6156
58	9.8	9.3W	31 18.335	-0.0024	15	-52 57 31.61	0.034	15	0.24	18.362	15	38.4	32.01	18	38.4	A0	C9	5098	P -52 6586
59	9.9		31 21.566	-0.0030	14	-58 57 38.03	0.009	14	0.15	21.577	14	46.5	38.06	14	46.5	B9	CO	4229	P -58 4948
60	9.9E	8.9W	31 31.978	-0.0032	12	-51 12 50.65	-0.037	12	0.65	32.133	31	01.0	48.85	28	01.0	K0	CZ	11440	P -50 6153
61		7.4T	31 43.905	-0.0030	17	-50 32 12.07	-0.044	12	0.74	44.049	19	01.9	9.86	19	99.4	K0	GC	18339	C -50 7882
62	9.7E	9.5Z	31 45.023	-0.0013	12	-51 47 1.26	-0.009	12	0.84	45.086	63	00.5	0.81	57	00.5	A0	CZ	11443	P -51 6161
63	8.2	8.5W	31 45.403	-0.0040	07	-58 32 50.26	-0.002	07	0.14	45.417	14	46.5	50.26	14	46.5	A0	CO	4230	P -58 4950
64	9.9E	9.3Z	31 45.985	-0.0044	12	-51 52 30.84	-0.019	12	0.84	45.766	63	00.5	29.90	57	00.5	G	CZ	11445	P -51 6162
65	8.6	8.4W	31 51.719	-0.0057	06	-58 6 38.21	-0.015	06	0.14	51.739	14	46.5	38.16	14	46.5	G0	CO	4231	P -57 6143
66	10.1E	9.7Z	31 52.216	-0.0064	12	-51 45 40.24	-0.053	12	0.84	52.531	63	00.5	37.60	57	00.5		CZ	11448	P -51 6166
67	10.3	9.8W	31 52.555	-0.0050	09	-52 17 44.25	-0.064	09	0.20	52.612	15	38.4	43.50	18	38.4	G2	C9	5099	P -51 6167
68	10.9E	9.7H	31 53.434	-0.0001	12	-50 25 10.92	-0.014	12	0.73	53.441	45	01.9	10.25	45	01.9	K0	CZ	11450	P -50 6159
69	8.9	9.2W	31 53.835	-0.0038	07	-58 7 55.59	-0.010	07	0.14	53.849	14	46.5	55.56	14	46.5	A0	CO	4232	P -57 6144
70	8.3	8.3W	31 54.594	0.0025	07	-59 54 6.56	-0.028	07	0.14	54.585	14	46.5	6.46	14	46.5	A5	CO	3984	P -59 5043
71	9.4	9.6W	31 54.804	-0.0033	07	-54 13 1.28	0.002	07	0.18	54.842	15	38.4	1.31	18	38.4	A0	C9	5100	P -53 5673
72	9.4	9.4W	31 57.143	0.0009	15	-53 57 6.36	-0.031	15	0.24	57.132	15	38.4	6.01	18	38.4	A0	C9	5101	P -53 5674
73	9.6	9.2W	31 59.698	-0.0038	07	-51 54 2.87	-0.023	07	0.18	59.742	15	38.4	2.60	18	38.4	G0	C9	5102	P -51 6168
74	9.3	9.5W	32 3.953	-0.0017	07	-54 49 25.71	-0.025	07	0.18	3.972	15	38.4	25.42	18	38.4	A0	C9	5103	P -54 5650
75	8.4	8.7W	32 6.846	-0.0006	07	-52 23 4.01	-0.035	07	0.18	6.852	15	38.4	3.61	18	38.4	A0	C9	5104	P -51 6170
76		7.3T	32 14.134	0.0024	11	-57 2 8.50	-0.030	10	0.57	14.013	21	01.6	6.98	19	98.9	K2	GC	18354	P -56 5821
77	9.5	9.2W	32 15.938	-0.0020	07	-56 1 46.37	-0.029	07	0.18	15.961	15	38.4	46.03	18	38.4	F0	C9	5105	P -55 5634
78	10.1E	9.8Z	32 17.702	-0.0015	12	-50 8 37.50	-0.014	12	0.71	17.772	45	03.8	36.86	45	03.8	A0	CZ	11454	P -49 6202
79	9.1	8.2W	32 27.123	-0.0018	07	-57 25 38.60	-0.010	07	0.14	27.130	14	46.5	38.56	14	46.5	K0	CO	4235	P -57 6146
80	10.7E	10.3W	32 27.856	-0.0035	12	-51 31 29.99	-0.008	12	0.67	28.029	31	99.9	29.60	31	99.9		CZ	11457	P -51 6174
81	9.0	9.1W	32 32.542	-0.0014	06	-58 33 28.75	0.002	06	0.14	32.547	14	46.5	28.76	14	46.5	B8	CO	4236	P -58 4956
82	9.7	9.9W	32 33.338	-0.0009	13	-56 13 2.33	0.091	13	0.15	33.348	14	46.5	2.65	14	46.5	A0	CO	4237	P -55 5637
83	10.4E	9.7H	32 41.555	-0.0029	12	-50 3 26.41	-0.011	12	0.64	41.694	31	02.3	25.89	28	02.3	A3	CZ	11461	P -49 6206
84	9.5	9.5W	32 47.449	-0.0046	08	-52 57 40.85	-0.021	08	0.19	47.502	15	38.4	40.60	18	38.4	A2	C9	5106	P -52 6594
85	9.8	9.8W	32 50.408	-0.0033	07	-57 27 41.89	-0.007	07	0.14	50.420	14	46.5	41.86	14	46.5	F0	CO	4238	P -57 6151
86	9.1	7.7W	32 53.907	-0.0004	07	-54 41 2.64	-0.011	07	0.18	53.912	15	38.4	2.52	18	38.4	K5	C9	5107	P -54 5662
87	8.3	8.4W	32 59.448	-0.0047	08	-52 27 30.11	-0.018	08	0.19	59.502	15	38.4	29.90	18	38.4	A5	C9	5108	P -52 6597
88	9.0	8.0W	33 0.490	-0.0011	06	-55 0 9.03	-0.034	06	0.18	0.503	15	38.4	8.63	18	38.4	K2	C9	5109	P -54 5663
89	8.8	8.7W	33 2.150	-0.0000	13	-57 7 10.48	-0.034	13	0.15	2.150	14	46.5	10.36	14	46.5	A2	CO	4239	P -56 5828
90	9.7	9.9W	33 5.156	-0.0048	15	-54 26 32.01	0.043	15	0.24	5.212	15	38.4	32.51	18	38.4	A0	C9	5110	P -54 5664
91	9.4	8.6W	33 10.350	-0.0019	12	-53 38 24.62	-0.019	12	0.22	10.372	15	38.4	24.41	18	38.4	G5	C9	5111	P -53 5685
92	10.0E	8.0Z	33 14.701	-0.0015	12	-50 57 55.54	-0.014	12	0.68	14.774	36	02.0	54.88	36	02.0	MA	CZ	11465	P -50 6177
93		7.8T	33 21.674	0.0005	13	-58 14 37.26	-0.036	11	0.61	21.650	19	03.4	35.41	18	99.1	F8	GC	18375	P -57 6156
94	9.7E	8.0Z	33 27.645	-0.0020	12	-50 33 18.25	-0.013	12	0.73	27.743	45	01.4	17.62	45	01.4	K0	CZ	11466	P -50 6180
95	9.0	8.0W	33 32.848	-0.0030	05	-57 32 8.02	-0.017	05	0.14	32.859	14	46.5	7.96	14	46.5	K2	CO	4241	P -57 6158
96	7.8	8.2W	33 33.926	-0.0023	08	-52 56 11.92	-0.010	08	0.19	33.952	15	38.4	11.80	18	38.4	A0	C9	5112	P -52 6607
97	8.6	8.6W	33 38.680	-0.0019	07	-59 23 4.71	-0.015	07	0.14	38.687	14	46.5	4.66	14	46.5	B8	CO	4242	P -59 5060
98	10.0	8.7W	33 40.383	-0.0008	12	-52 23 4.65	-0.021	12	0.22	40.392	15	38.4	4.40	18	38.4	K2	C9	5113	P -52 6611
99	8.7	8.0W	33 41.614	-0.0107	07	-55 54 5.23	-0.052	07	0.14	41.651	14	46.5	5.05	14	46.5	K0	CO	4243	P -55 5647
00	10.2E	9.4H	33 59.834	-0.0031	12	-50 24 58.97	-0.020	12	0.73	59.983	45	01.4	58.00	45	01.4	K0	CZ	11471	P -50 6189

241000			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-50° 13H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01"	ep.		CAT.	STAR NUMBER	DM NUMBER		
1	10.2E	8.9Z	13 34 2.632	-0.0019	12	-51 47 57.34	-0.016	12	0.84	2.727	63	00.5	56.55	57	00.5	K2	CZ	11472	P -51 6196		
2	10.0E	8.5Z	34 5.284	-0.0011	12	-51 3 4.27	-0.011	12	0.73	5.340	45	01.4	3.74	45	01.4	K0	CZ	11473	P -50 6191		
3	10.1		34 18.122	-0.0014	10	-58 42 46.47	0.024	10	0.14	18.127	14	46.5	46.56	14	46.5	A3	C0	4244	P -58 4980		
4	9.5E	9.0Z	34 22.658	-0.0007	12	-51 17 1.98	-0.017	12	0.84	22.694	63	00.5	1.16	57	00.5	A2	CZ	11479	P -50 6198		
5	10.4E	9.8Z	34 31.314	-0.0010	12	-50 26 35.70	-0.037	12	0.73	31.362	45	01.4	33.91	45	01.4	A0	CZ	11484	P -50 6199		
6	8.4	8.7W	34 33.745	0.0012	07	-55 43 51.59	-0.022	07	0.18	33.732	15	38.4	51.33	18	38.4	B8	C9	5116	P -55 5653		
7	9.6	9.4W	34 34.083	-0.0039	07	-59 9 21.44	0.005	07	0.14	34.096	14	46.5	21.46	14	46.5	F0	C0	4245	P -58 4982		
8	10.2E	9.7Z	34 36.498	0.0002	12	-50 23 48.84	-0.008	12	0.73	36.487	45	01.4	48.46	45	01.4	A2	CZ	11488	P -50 6201		
9		8.5T	34 40.605	-0.0018	13	-57 57 14.25	-0.025	10	0.58	40.693	19	05.0	13.03	17	01.8	B9	GC	18401	P -57 6166		
10	8.4	8.4W	34 42.193	0.0007	07	-56 22 33.97	-0.035	07	0.14	42.191	14	46.5	33.85	14	46.5	A2	C0	4247	P -55 5654		
11	10.5E	9.9H	34 44.176	-0.0015	12	-50 28 31.20	-0.022	12	0.73	44.247	45	01.4	30.14	45	01.4	G5	CZ	11488	P -50 6202		
12		7.2T	34 49.656	-0.0023	17	-50 20 48.52	-0.057	11	0.72	49.761	22	03.2	45.47	21	96.5	M0	GC	18404	C*-49 8072		
13		6.4T	34 49.721	-0.0004	15	-58 9 57.00	-0.040	10	0.59	49.741	19	06.7	35.08	18	02.5	K0	GC	18405K	P*-57 6169		
14	10.0	9.5W	34 49.946	-0.0039	07	-55 56 26.96	-0.011	07	0.18	49.991	15	38.4	26.83	18	38.4	F6	C9	5118	P -55 5656		
15	7.8	8.2W	34 54.535	0.0010	07	-55 58 5.25	-0.029	07	0.14	54.531	14	46.5	5.15	14	46.5	B8	C0	4249	P*-55 5658		
16	9.0	9.0W	34 55.310	-0.0084	07	-57 15 5.34	-0.051	07	0.14	55.340	14	46.5	5.16	14	46.5	F5	C0	4250	P*-56 5849		
17	9.4	9.5W	35 0.335	-0.0006	08	-53 6 21.67	-0.005	08	0.19	0.342	15	38.4	21.61	18	38.4	A0	C9	5121	P -52 6624		
18		6.7T	35 2.683	-0.0067	10	-50 5 42.06	-0.015	07	0.37	2.943	12	10.9	41.43	12	07.7	B8	GC	18416	C -49 8074		
19		8.1T	35 6.980	0.0020	16	-58 3 28.50	-0.017	12	0.67	6.885	21	05.4	27.66	19	01.6	A0	GC	18418	P -57 6175		
20	9.1	9.4W	35 8.093	-0.0045	07	-58 16 40.05	0.003	07	0.14	8.108	14	46.5	40.06	14	46.5	B8	C0	4252	P*-57 6177		
21	9.9E	9.8Z	35 12.745	0.0015	12	-51 7 57.72	-0.025	12	0.73	12.674	45	01.4	56.51	45	01.4	G5	CZ	11499	P -50 6208		
22	9.0	8.6W	35 15.796	-0.0025	07	-59 35 14.82	-0.075	07	0.14	15.805	14	46.5	14.56	14	46.5	G5	C0	4253	P -59 5071		
23	8.6	8.3W	35 18.141	-0.0000	07	-56 28 36.57	-0.005	07	0.14	18.141	14	46.5	36.55	14	46.5	A2	C0	4254	P -56 5853		
24	7.8E	8.0*	35 19.157	-0.0015	12	-51 17 53.67	-0.025	12	0.67	19.234	31	99.9	52.43	31	99.9	B9	CZ	11502	P -50 6210		
25	9.2	9.1W	35 26.577	-0.0061	07	-57 54 4.39	-0.037	07	0.14	26.599	14	46.5	4.26	14	46.5	A5	C0	4255	P -57 6179		
26		6.0T	35 32.208	-0.0002	12	-57 22 8.66	-0.018	09	0.55	32.220	18	04.6	7.70	18	96.0	K0	GC	18428	P -56 5856		
27	9.6		35 32.378	-0.0025	12	-58 31 53.34	0.007	12	0.15	32.387	14	46.5	53.36	14	46.5	B9	C0	4257	P -58 4997		
28	8.8E	8.5Z	35 33.225	-0.0018	12	-50 50 52.68	-0.026	12	0.66	33.316	31	00.7	51.41	28	00.7	F5	CZ	11508	P -50 6215		
29	9.4	9.6W	35 35.781	-0.0053	07	-52 53 49.39	-0.024	07	0.18	35.842	15	38.4	49.10	18	38.4	B9	C9	5122	P -52 6633		
30	8.9	9.1W	35 36.640	-0.0028	06	-57 13 41.83	-0.019	06	0.14	36.650	14	46.5	41.76	14	46.5	A0	C0	4258	P -56 5857		
31	9.3	9.4W	35 40.797	0.0004	15	-53 39 25.38	-0.024	15	0.24	40.792	15	38.4	25.11	18	38.4	A2	C9	5123	P -53 5704		
32		7.5T	35 41.406	-0.0027	15	-54 46 15.08	-0.019	12	0.68	41.527	21	04.6	14.12	19	01.0	A0	GC	18435	P -54 5680		
33	8.2	8.2W	35 49.987	-0.0048	06	-51 57 12.66	-0.022	06	0.18	50.042	15	38.4	12.40	18	38.4	A5	C9	5125	P -51 6213		
34	8.8	8.9W	35 52.560	-0.0052	07	-58 21 38.41	-0.015	07	0.14	52.578	14	46.5	38.36	14	46.5	A3	C0	4259	P -57 6186		
35	9.9		36 5.956	-0.0066	14	-52 55 23.14	-0.011	14	0.23	6.032	15	38.4	23.00	18	38.4	A0	C9	5128	P -52 6644		
36	10.0E	9.0Z	36 6.724	-0.0032	12	-50 30 6.19	0.042	12	0.73	6.880	45	01.4	8.24	45	01.4	F8	CZ	11519	P -50 6224		
37	9.7	9.8W	36 9.382	-0.0042	07	-59 13 11.46	-0.029	07	0.14	9.396	14	46.5	11.36	14	46.5	B9	C0	4260	P -58 5006		
38	10.1	8.8W	36 10.456	-0.0013	09	-56 2 19.50	-0.014	09	0.20	10.471	15	38.4	19.33	18	38.4	K5	C9	5129	P -55 5666		
39	8.7	8.5W	36 11.364	0.0011	07	-57 2 33.86	-0.056	07	0.14	11.360	14	46.5	33.66	14	46.5	F8	C0	4261	P -56 5860		
40	9.7	8.4W	36 15.559	-0.0020	14	-53 5 30.34	0.023	14	0.23	15.582	15	38.4	30.61	18	38.4	K2	C9	5130	P -52 6648		
41	9.6		36 16.369	-0.0028	12	-58 27 31.60	0.017	12	0.15	16.378	14	46.5	31.66	14	46.5	B8	C0	4262	P -58 5011		
42	9.1	9.2W	36 20.556	-0.0014	07	-55 4 14.65	-0.010	07	0.18	20.573	15	38.4	14.53	18	38.4	A0	C9	5131	P -54 5685		
43	9.3	9.1W	36 23.859	-0.0071	07	-54 31 55.01	-0.042	07	0.18	23.942	15	38.4	54.52	18	38.4	G0	C9	5132	P -54 5687		
44	10.0	9.7W	36 33.702	-0.0061	14	-52 59 35.50	-0.025	14	0.23	33.772	15	38.4	35.20	18	38.4	F8	C9	5133	P -52 6651		
45		7.5T	36 33.870	-0.0035	12	-53 53 40.15	-0.015	09	0.59	34.046	19	99.9	39.35	18	95.0	A0	GC	18451	P -53 5712		
46	9.1	8.0W	36 37.969	-0.0003	14	-52 26 4.51	-0.009	14	0.23	37.972	15	38.4	4.40	18	38.4	K2	C9	5135	P -52 6653		
47		2.6H	36 42.322	-0.0025	02	-53 12 46.33	-0.017	02	0.10	42.416	05	11.6	45.65	05	10.9	B1	F4	504	P -52 6655		
48	10.0E	8.0Z	36 52.603	-0.0039	12	-50 55 16.82	-0.009	12	0.73	52.794	45	01.4	16.39	45	01.4	K2	CZ	11526	P -50 6235		
49	6.6I		37 1.128	-0.0013	14	-57 21 37.54	-0.025	12	0.67	1.196	21	02.8	36.27	19	98.8	G5V	GC	18463X	P*-56 5865		
50		8.0T	37 1.428	-0.0058	22	-53 56 19.59	-0.009	20	0.93	1.672	22	08.0	19.22	22	06.5	K5	GC	18464	P -53 5715		
51	9.7	9.6W	13 37 1.568	-0.0008	07	-56 16 23.50	0.014	07	0.14	1.571	14	46.5	23.55	14	46.5	A0	C0	4264	P -55 5676		
52	9.9	9.9W	37 3.435	0.0002	15	-53 2 44.68	0.020	15	0.24	3.432	15	38.4	44.91	18	38.4	B9	C9	5138	P -52 6661		
53	7.9	7.7W	37 5.774	-0.0013	07	-57 40 22.05	0.003	07	0.14	5.779	14	46.5	22.06	14	46.5	A5	C0	4265	P -57 6200		
54	8.5E	7.5H	37 8.780	0.0003	12	-50 17 9.05	-0.015	12	0.73	8.764	45	01.4	8.33	45	01.4	K2	CZ	11530	P -49 6269		
55	7.6	8.0W	37 15.040	-0.0045	08	-53 36 25.97	-0.014	08	0.19	15.092	15	38.4	25.81	18	38.4	B9	C9	5139	P -53 5717		
56	9.9E	9.0H	37 19.329	-0.0008	12	-50 26 18.48	-0.022	12	0.73	19.366	45	01.4	17.42	45	01.4	K5	CZ	11533	P -50 6240		
57	9.7	8.1W	37 21.082	-0.0044	14	-52 46 58.40	-0.025	14	0.23	21.132	15	38.4	58.10	18	38.4	MA	C9	5140	P -52 6665		
58	10.9		37 22.237	0.0004	14	-52 5 7.66	-0.031	14	0.23	22.232	15	38.4	7.30	18	38.4	G0	C9	5141	P -51 6228		
59	9.7	9.9W	37 24.292	-0.0042	07	-59 6 27.64	0.005	07	0.14	24.307	14	46.5	27.66	14	46.5	A0	C0	4267	P -58 5026		
60	10.5	9.4W	37 26.004	-0.0025	07	-52 3 48.94	-0.072	07	0.18	26.032	15	38.4	48.10	18	38.4	G5	C9	5142	P -51 6230		
61	10.3	9.0W	37 32.994	-0.0016	12	-52 38 34.36	0.013	12	0.22	33.012	15	38.4	34.50	18	38.4	K2	C9	5144	P -52 6669		
62	9.4	8.5W	37 33.262	-0.0023	07	-57 1 12.18	-0.034	07	0.14	33.270	14	46.5	12.06	14	46.5	G5	C0	4268	P -56 5870		
63	9.8	8.5W	37 33.974	-0.0042	06	-52 7 4.59	-0.025	06	0.18	34.022	15	38.4	4.30	18	38.4	K5	C9	5145	P -51 6233		
64	10.1E	9.7Z	37 41.718	-0.0018	12	-50 10 55.92	-0.034	12	0.71	41.800	45	03.3	54.34	45	03.3	G5	CZ	11539	P -49 6278		
65	8.9	8.5W	37 43.306	-0.0118	15	-54 34 0.82	-0.104	15	0.24	43.442	15	38.4	59.62	18	38.4	G0	C9	5147	P -54 5691		
66	9.5	9.6W	37 46.988	-0.0059	14	-58 21 36.25	-0.027	14	0.15	47.008	14	46.5	36.16	14	46.5	F2	C0	4269	P*-57 6205		
67	7.5	7.8W	37 49.203	-0.0040	06	-58 58 29.56	-0.000	06	0.14	49.217	14	46.5	29.56	14	46.5	A0	C0	4270	P -58 5038		
68	9.5	9.6W	37 58.066	-0.0028	13	-59 47 23.30	0.018	13	0.15	58.075	14	46.5	23.36	14	46.5	B8	C0	4012	P -59 5115		
69	9.3	8.9W	38 6.027	-0.0151	06	-57 11 40.76	-0.058	06	0.14	6.080	14	46.5	40.56	14	46.5	F8	C0	4272	P -56 5874		
70	10.3E	9.0*	38 17.889	0.0007	12	-50 30 53.75	-0.036	12	0.66	17.856	31	00.7	51.98	28	00.7	K2	CZ	11552	P -50 6249		
71	9.5	8.6W	38 19.442	-0.0061	07	-52 21 15.60	-0.025	07	0.18	19.512	15	38.4	15.30	18	38.4	K5	C9	5149	P -51 6241		
72	8.6	8.7W	38 22.997	-0.0005	06	-53 21 33.14	-0.011	06	0.18	23.002	15	38.4	33.00	18	38.4	A0	C9	5150	P -52 6679		
73	9.2	9.0W	38 28.241	0.0034	07	-56 6 29.78	-0.004	07	0.18	28.201	15	38.4	29.73	18	38.4	F8	C9	5151	P -55 5685		
74	9.4	9.5W	38 30.360	-0.0024	07	-57 42 17.53	-0.019	07	0.14	30.369	14	46.5	17.46	14	46.5	A0	C0	4273	P -57 6208		
75		7.1T	38 31.621	-0.0096	26	-54 18 31.32	-0.055	13	0.94	32.039	24	06.5	28.61	24	00.4		GC	18494K	P -53 5725		
76		5.6T	38 31.648	-0.0052	10	-54 18 25.50	-0.050	07	0.49	31.901	18	01.4	22.81	17	95.8	B9	GC	18495K	P*-53 5725		
77	9.0	8.8W	38 32.031	0.0007	07	-54 47 29.63	-0.018	07	0.18	32.022	15	38.4	29.42	18	38.4	F5	C9	5154	P -54 5695		
78	9.0	8.9W	38 38.023	-0.0067	07	-58 56 10.54	0.005	07	0.14	38.047	14	46.5	10.56	14	46.5	A0	C0	4274	P*-58 5052		
79	9.1	9.0W	38 39.352	-0.0075	07	-58 25 43.16	-0.029	07	0.14	39.378	14	46.5	43.06	14	46.5	A5	C0	4275	P -58 5055		
80		5.5T	38 40.988	-0.0038	08	-58 32 5.22	-0.014	07	0.31	41.146	12	11.2	4.65	12	08.1	B9	GC	18500	P*-58 5059		
81	9.2	9.4W	38 42.493	-0.0033	07	-54 38 55.70	-0.016	07	0.18	42.532	15	38.4	55.52	18	38.4	A2	C9	5156	P -54 5696		
82	9.5	9.1W	38 48.695	-0.0040	07	-54 19 46.52	-0.010	07	0.18	48.742	15	38.4	46.41	18	38.4	G0	C9	5157	P -53 5729		
83	10.0E	9.8Z	38 49.788	-0.0031	12	-50 27 45.25	-0.013	12	0.73	49.938	45	01.4	44.63	45	01.4	A2	CZ	11559	P -50 6255		
84		8.2T	38 57.636	-0.0033	14	-53 22 3.40	-0.031	11	0.62	57.800	21	05.1	1.85	18	00.5	F0	GC	18507	P -57 6211		
85	9.2	8.4W	39 2.907	-0.0029	07	-58 43 10.11	-0.015	07	0.14	2.917	14	46.5	10.06	14	46.5	K0	C0	4278	P -58 5066		
86	8.1	8.2W	39 4.501	-0.0026	06	-57 4 17.52	-0.017	06	0.14	4.510	14	46.5	17.46	14	46.5	A2	C0	4279	P -56 5884		
87	8.9	9.1W	39 6.042	-0.0051	07	-56 36 29.47	-0.032	07	0.14	6.060	14	46.5	29.36	14	46.5	A0	C0	4280	P -56 5885		
88	9.7	9.9W	39 9.457	-0.0023	13	-59 32 40.29	-0.009	13	0.15	9.465	14	46.5	40.26	14	46.5	B9	C0	4281	P -59 5125		
89	9.5	9.4W	39 11.937	-0.0036	07	-56 33 44.18	-0.007	07	0.14	11.950	14	46.5	44.16	14	46.5	A2	C0	4282	P -56 5886		
90	10.2	9.3W	39 12.505	-0.0041	06	-53 5 53.10	-0.008	06	0.18	12.552	15	38.4	53.00	18	38.4	G5	C9	5158	P -52 6689		
91	8.7	7.9W	39 14.266	0.0021	06	-57 36 1.88	-0.005	06	0.14	14.259	14	46.5	1.86	14	46.5	K2	C0	4283	P -57 6214		
92	8.3E	8.5Z	39 14.309	-0.0017	12	-51 24 5.39	-0.018	12	0.66	14.395	31	00.1	4.50	28	00.1	B9	CZ	11571	P -51 6250		
93	10.0E	9.0*	39 21.949	-0.0018	12	-51 1 2.15	0.006	12	0.65	22.040	28	00.6	2.46	26	00.6	G5	CZ	11575	P -50 6267		
94	8.6	8.5W	39 26.404	-0.0037	06	-58 45 8.64	-0.024	06	0.14	26.417	14	46.5	8.56	14	46.5	F5	C0	4284	P -58 5068		
95	10.3		39 33.731	-0.0019	12	-53 21 7.85	0.031	12	0.22	33.732	15	38.4	8.20	18	38.4	A3	C9	5160	P -52 6692		
96		6.3H	39 38.939	-0.0021	04	-56 30 58.42	-0.008	04	0.13	39.000	08	20.5	58.18	07	20.7	B2	F4	1356	P -56 5891		
97	10.1	10.0W	39 44.643	-0.0040	13	-58 39 46.76	0.000	13	0.15	44.657	14	46.5	46.76	14	46.5	A0	C0	4286	P -58 5074		
98		6.3T	39 46.029	-0.0006	14	-50 32 18.68	-0.030	11	0.67	46.057	22	02.1	17.09	21	96.5	K0	GC	18521	C -50 7983		
99	9.7	8.7W	39 54.044	-0.0011	07	-57 50 51.83	-0.020	07	0.14	54.049	14	46.5	51.96	14	46.5	K0	C0	4287	P -57 6221		
00	10.1E	9.6Z	39 59.340	-0.0025	12	-50 41 39.07	-0.009	12	0.73	59.463	45	01.4	38.63	45	01.4	A0	CZ	11582	P -50 6273		

241100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 13H DM NUMBER
1	9.8		13 39 59.463	-0.0016	15	-55 47 2.91	0.019	15	0.24	59.481	15	38.4	3.13	18	38.4	B9	C9	5161	P -55 5698
2	9.2	9.5W	40 1.739	-0.0046	07	-53 15 51.16	-0.013	07	0.18	1.792	15	38.4	51.00	18	38.4	A0	C9	5162	P -52 6695
3	10.3I		40 3.562	-0.0019	11	-58 23 43.51	-0.015	11	0.15	3.568	14	46.5	43.46	14	46.5	A0	C0	4288	P -58 5079
4	9.5	9.7W	40 5.206	-0.0036	07	-58 14 45.69	-0.010	07	0.14	5.218	14	46.5	45.66	14	46.5	B9	C0	4289	P -57 6227
5	9.9		40 7.704	0.0001	15	-55 29 52.47	0.023	15	0.24	7.703	15	38.4	52.73	18	38.4	B9	C9	5163	P -55 5700
6	8.5	8.8W	40 7.779	-0.0030	07	-57 28 48.79	-0.007	07	0.14	7.790	14	46.5	48.76	14	46.5	B9	C0	4290	P -57 6229
7	10.0E	9.5H	40 9.265	-0.0021	12	-50 27 29.70	-0.020	12	0.73	9.365	45	01.4	28.73	45	01.4	F5	CZ	11585D	P*-50 6277
8	9.7	9.9W	40 12.643	-0.0017	07	-53 44 34.49	0.018	07	0.18	12.662	15	38.4	34.71	18	38.4	A0	C9	5164	P -53 5733
9	10.0	9.3W	40 16.288	-0.0072	09	-54 36 51.15	0.006	09	0.20	16.372	15	38.4	51.22	18	38.4	K0	C9	5165	P -54 5704
10	10.7E	10.0*	40 17.369	-0.0001	12	-50 2 47.95	-0.020	12	0.65	17.371	31	01.3	46.99	28	01.3		CZ	11587	P -49 6311
11		8.1T	40 17.555	0.0010	17	-57 20 18.44	-0.013	12	0.71	17.507	22	05.0	17.80	19	00.1	K2	GC	18536	P -56 5898
12	8.9	9.2W	40 20.439	-0.0022	07	-58 48 30.50	-0.014	07	0.14	20.447	14	46.5	30.46	14	46.5	B5	C0	4292	P -58 5087
13	9.4	9.7W	40 34.051	-0.0051	07	-57 36 4.30	-0.010	07	0.14	34.069	14	46.5	4.26	14	46.5	B9	C0	4293	P*-57 6237
14		6.7T	40 35.606	-0.0039	13	-58 59 4.78	-0.020	09	0.55	35.795	19	05.7	3.79	18	01.3	B9	GC	18543K	P -58 5092
15	8.7E	8.5Z	40 35.645	-0.0227	12	-51 22 26.65	-0.110	12	0.85	36.773	63	00.4	21.21	57	00.4	K0	CZ	11590	P -50 6280
16	10.1E	9.7Z	40 39.808	-0.0005	12	-50 33 22.54	-0.009	12	0.73	39.833	45	01.4	22.10	45	01.4	G0	CZ	11592	P -50 6281
17		8.4T	40 39.986	-0.0012	14	-58 59 5.43	-0.027	09	0.55	40.040	19	07.7	4.19	18	03.1	B9	GC	18545K	P -58 5094
18		7.6T	40 42.363	-0.0051	17	-51 50 53.82	-0.022	14	0.79	42.606	19	02.0	52.70	18	99.4	K2	GC	18547	C -51 7692
19	8.5	8.6W	41 6.570	-0.0072	06	-59 37 45.65	-0.026	06	0.14	6.596	14	46.5	45.56	14	46.5	A0	C0	4296	P -59 5157
20		6.5T	41 6.762	-0.0037	12	-50 45 41.74	-0.044	09	0.61	6.949	19	99.3	39.32	18	94.9	A0P	GC	18555	C -50 7998
21	9.4	8.4W	41 11.529	0.0014	07	-51 59 55.77	-0.006	07	0.18	11.512	15	38.4	55.70	18	38.4	K2	C9	5168	P -51 6271
22	10.4	9.5W	41 12.301	-0.0018	14	-58 34 22.14	0.005	14	0.15	12.307	14	46.5	22.16	14	46.5	K0	C0	4297	P -58 5106
23	9.2	8.0W	41 14.465	-0.0050	06	-53 28 43.93	-0.028	06	0.18	14.522	15	38.4	43.60	18	38.4	K2	C9	5169	P -53 5741
24	9.6	8.5W	41 16.263	-0.0059	06	-53 31 5.86	-0.005	06	0.18	16.332	15	38.4	5.81	18	38.4	G8	C9	5170	P -53 5742
25	10.1		41 20.097	-0.0004	14	-57 38 8.75	0.002	14	0.15	20.099	14	46.5	8.76	14	46.5	B9	C0	4298	P -57 6247
26	9.1	8.9W	41 20.247	-0.0041	07	-56 26 5.00	-0.013	07	0.14	20.261	14	46.5	4.95	14	46.5	F0	C0	4299	P -56 5905
27	10.2E	9.8Z	41 31.177	-0.0050	12	-50 26 24.35	-0.017	12	0.73	31.419	45	01.4	23.53	45	01.4		CZ	11618	P -50 6290
28	9.9	9.8W	41 34.909	-0.0046	14	-52 2 9.06	-0.022	14	0.23	34.962	15	38.4	8.80	18	38.4	A2	C9	5171	P -51 6276
29	9.7	8.3W	41 36.042	-0.0026	08	-52 47 27.93	-0.002	08	0.19	36.072	15	38.4	27.90	18	38.4	K2	C9	5172	P -52 6715
30	8.8	9.1W	41 49.201	-0.0018	07	-58 42 44.46	-0.029	07	0.14	49.207	14	46.5	44.36	14	46.5	B3	C0	4300	P -58 5120
31	9.4	8.4W	41 50.892	-0.0018	06	-57 57 31.83	-0.019	06	0.14	50.899	14	46.5	31.76	14	46.5	G5	C0	4301	P -57 6252
32	9.5	9.0W	41 52.294	-0.0127	07	-55 38 22.10	-0.083	07	0.18	52.442	15	38.4	21.13	18	38.4	G0	C9	5174	P -55 5719
33	10.2	9.9W	41 56.919	-0.0046	06	-53 7 31.02	-0.001	06	0.18	56.972	15	38.4	31.00	18	38.4	F2	C9	5175	P -52 6722
34	9.3	9.5W	41 58.620	-0.0020	07	-58 46 28.13	-0.020	07	0.14	58.627	14	46.5	28.06	14	46.5	A0	C0	4302	P -58 5125
35	9.2	8.9W	42 0.104	-0.0025	07	-53 3 29.64	0.041	07	0.18	0.132	15	38.4	30.11	18	38.4	G0	C9	5177	P -52 6724
36	9.2	9.2W	42 1.284	-0.0015	07	-55 41 29.59	-0.005	07	0.18	1.301	15	38.4	29.53	18	38.4	A2	C9	5178	P -55 5720
37	8.7	9.1W	42 3.097	-0.0005	06	-55 4 23.60	-0.014	06	0.18	3.903	15	38.4	23.43	18	38.4	B9	C9	5179	P -54 5718
38	10.1	9.1W	42 7.629	-0.0055	06	-53 5 59.65	-0.021	06	0.18	7.692	15	38.4	59.40	18	38.4	K0	C9	5180	P -52 6726
39	10.0		42 9.015	-0.0007	14	-52 25 24.54	0.023	14	0.23	9.022	15	38.4	24.80	18	38.4	B8	C9	5181	P -52 6727
40	9.7		42 11.397	0.0000	11	-58 34 27.20	0.015	11	0.15	11.397	14	46.5	27.26	14	46.5	A0	C0	4303	P -58 5130
41	8.7	8.6W	42 16.028	-0.0094	07	-56 29 12.06	-0.032	07	0.14	16.061	14	46.5	11.95	14	46.5	F2	C0	4304	P -56 5918
42		7.2T	42 18.824	-0.0039	12	-57 59 33.44	-0.037	10	0.56	19.027	19	02.6	31.51	18	98.4	K0	GC	18578	P -57 6255
43	9.6	9.7W	42 22.664	-0.0014	10	-58 9 59.71	0.015	10	0.14	22.669	14	46.5	59.76	14	46.5	A0	C0	4306	P -57 6257
44	8.7	8.9W	42 30.034	-0.0041	13	-58 19 30.23	0.010	13	0.15	30.048	14	46.5	30.26	14	46.5	B8	C0	4307	P -57 6259
45	9.6	9.6W	42 39.817	-0.0052	07	-59 38 57.67	-0.003	07	0.14	39.835	14	46.5	57.66	14	46.5	A0	C0	4308	P -59 5172
46	8.9E	9.0H	42 42.873	0.0001	12	-50 18 59.80	-0.030	12	0.66	42.867	31	00.7	58.32	28	00.7	F5	CZ	11635	P -49 6343
47	9.5	9.3W	42 45.717	-0.0052	07	-59 53 42.84	-0.023	07	0.14	45.735	14	46.5	42.76	14	46.5	F0	C0	4034	P -59 5173
48	10.3	9.8W	42 48.575	-0.0067	12	-53 14 32.93	-0.054	12	0.22	48.652	15	38.4	32.30	18	38.4	G0	C9	5184	P -52 6733
49	8.3	8.1W	42 52.973	-0.0086	07	-52 3 25.23	-0.054	07	0.18	53.072	15	38.4	24.60	18	38.4	F5	C9	5185	P -51 6302
50	7.7	7.7W	42 55.981	-0.0027	07	-52 15 50.95	-0.004	07	0.18	56.012	15	38.4	50.90	18	38.4	A3	C9	5186	P -51 6303
51	9.9E	8.2Z	13 42 59.215	-0.0037	12	-50 37 47.54	-0.015	12	0.73	59.396	45	01.4	46.81	45	01.4	MB	CZ	11639	P -50 6301
52		6.7T	42 59.541	-0.0046	13	-54 25 59.46	-0.034	10	0.60	59.755	21	03.6	57.72	19	98.3	A0	GC	18597	P*-54 5725
53	10.2	9.8W	43 13.100	-0.0024	14	-57 33 1.28	-0.005	14	0.15	13.109	14	46.5	1.26	14	46.5	G0	C0	4310	P -57 6266
54	9.8	9.3W	43 15.296	-0.0117	13	-58 56 37.15	-0.027	13	0.15	15.357	14	46.5	37.06	14	46.5	G0	C0	4311	P -58 5149
55	9.1E	8.5Z	43 18.044	0.0013	12	-51 27 38.47	-0.007	12	0.85	17.978	63	00.4	38.14	57	00.4	F5	CZ	11647	P -51 6306
56	9.4	8.6W	43 23.549	-0.0060	07	-56 35 52.60	-0.182	07	0.14	23.570	14	46.5	51.96	14	46.5	K0	C0	4312	P -56 5924
57		4.7T	43 28.626	0.0008	06	-51 10 57.82	-0.036	05	0.27	28.589	09	04.5	56.08	09	01.3	K0	GC	18607K	C*-50 8017
58	9.0	9.1W	43 32.679	-0.0046	07	-59 51 0.32	-0.016	07	0.14	32.695	14	46.5	0.26	14	46.5	A2	C0	4313	P -59 5178
59	9.1	9.2W	43 41.745	-0.0037	13	-57 49 17.45	0.002	13	0.15	41.759	14	46.5	17.46	14	46.5	B8	C0	4314	P -57 6272
60	9.4	9.6W	43 41.759	-0.0028	07	-54 45 26.22	-0.009	07	0.18	41.792	15	38.4	26.12	18	38.4	A2	C9	5188	P -54 5730
61	9.7	9.3W	43 42.981	-0.0103	07	-59 10 19.02	-0.046	07	0.14	43.016	14	46.5	18.86	14	46.5	F8	C0	4315	P*-58 5158
62	9.1	9.2W	43 44.568	-0.0031	06	-58 2 17.37	-0.032	06	0.14	44.579	14	46.5	17.26	14	46.5	A0	C0	4316	P -57 6274
63	9.7	9.8W	43 46.993	-0.0046	07	-57 25 31.45	0.003	07	0.14	47.010	14	46.5	31.46	14	46.5	B8	C0	4317	P -57 6275
64		7.4T	43 50.241	-0.0016	13	-53 1 58.28	0.026	10	0.55	50.307	18	08.0	59.55	18	01.9	K2	GC	18613	P -52 6740
65		7.1W	43 58.675	-0.0050	04	-52 1 10.52	-0.027	04	0.17	58.732	15	38.4	10.20	18	38.4	A0	C9	5190	P -51 6308
66	10.5		43 58.766	-0.0003	14	-58 36 32.77	-0.005	14	0.15	58.767	14	46.5	32.76	14	46.5	A0	C0	4318	P -58 5165
67		7.0T	43 58.806	-0.0025	14	-52 1 9.54	-0.003	10	0.65	58.927	19	00.9	9.36	18	96.2	A0	GC	18617	C -51 7732
68	8.6	8.7W	44 0.764	-0.0033	07	-57 14 12.38	-0.006	07	0.18	0.802	15	38.4	12.31	18	38.4	A5	C9	5191	P -51 6309
69	9.9	10.0W	44 5.075	-0.0038	13	-58 21 15.72	0.012	13	0.15	5.088	14	46.5	15.76	14	46.5	B9	C0	4319	P -57 6280
70	9.9	9.9W	44 6.542	0.0017	15	-54 34 29.51	-0.025	15	0.24	6.522	15	38.4	29.22	18	38.4	B9	C9	5192	P -54 5732
71	9.5	9.2W	44 16.562	-0.0087	07	-55 0 13.56	-0.037	07	0.18	16.663	15	38.4	13.13	18	38.4	F2	C9	5193	P -54 5733
72	6.4E	6.1H	44 17.815	0.0048	12	-50 0 0.07	0.020	12	0.65	17.579	31	01.3	1.06	28	01.3	A3	CZ	11658	P -49 6363
73		6.1T	44 17.972	0.0071	13	-50 0 1.89	-0.015	11	0.66	17.609	19	99.2	1.08	18	95.8	A3	GC	18622	C -49 8194
74	9.1E	9.3Z	44 18.981	-0.0029	12	-50 4 32.56	-0.035	12	0.72	19.118	45	02.3	30.90	45	02.3	G5	CZ	11659	P -49 6364
75	7.4	7.7W	44 25.677	-0.0024	07	-59 37 37.82	-0.018	07	0.14	25.686	14	46.5	37.76	14	46.5	B5	C0	4320	P -59 5192
76	9.8E	9.5Z	44 29.573	-0.0013	12	-50 0 35.36	-0.021	12	0.72	29.633	45	02.3	34.37	45	02.3		CZ	11666	P -49 6366
77		5.5T	44 29.664	-0.0156	10	-50 4 18.14	-0.026	08	0.39	30.272	15	10.9	17.02	14	06.7	K0	GC	18627	C*-49 8198
78		8.1T	44 34.195	-0.0050	13	-56 31 30.17	-0.012	12	0.63	34.444	21	04.0	29.59	19	00.3	B9	GC	18629	P -56 5935
79	9.9	9.8W	44 36.655	-0.0014	09	-54 15 17.89	-0.007	09	0.20	38.672	15	38.4	17.81	18	38.4	A0	C9	5194	P*-53 5754
80	10.0		44 39.202	0.0121	14	-57 26 45.77	-0.002	14	0.15	39.160	14	46.5	45.76	14	46.5	B8	C0	4322	P -57 6286
81		7.3W	44 40.047	-0.0012	06	-55 42 41.40	0.003	06	0.18	40.061	15	38.4	41.43	18	38.4	B9	C9	5195	P -55 5733
82	9.6	8.4W	44 46.535	-0.0087	07	-59 34 56.60	-0.070	07	0.14	46.565	14	46.5	56.36	14	46.5	K0	C0	4323	P -59 5194
83	9.9	10.0W	44 47.950	-0.0024	13	-58 25 9.31	-0.015	13	0.15	47.958	14	46.5	9.26	14	46.5	A0	C0	4324	P -58 5175
84	8.5	8.1W	45 15.023	-0.0156	07	-55 21 54.21	-0.093	07	0.18	15.203	15	38.5	53.13	18	38.5	G5	C9	5196	P -54 5740
85		7.6T	45 15.464	0.0013	14	-59 14 48.80	-0.046	12	0.65	15.399	21	04.5	46.52	19	00.9	A0	GC	18639	P -58 5185
86	11.2	9.9W	45 16.103	-0.0017	12	-53 9 35.27	0.012	12	0.22	16.122	15	38.5	35.40	18	38.5	K0	C9	5197	P -52 6751
87	8.7	8.9W	45 19.986	-0.0031	06	-58 32 20.77	-0.005	06	0.14	19.997	14	46.5	20.76	14	46.5	B8	C0	4326	P -58 5187
88	9.6	8.5W	45 20.572	-0.0022	07	-57 2 51.20	-0.014	07	0.14	20.580	14	46.5	51.16	14	46.5	K0	C0	4327	P -56 5944
89	9.7	9.8W	45 26.303	0.0010	13	-56 55 59.96	-0.000	13	0.15	26.300	14	46.5	59.96	14	46.5	B8	C0	4328	P -56 5946
90	10.1	10.1W	45 27.790	0.0007	15	-54 35 39.35	-0.003	15	0.24	27.782	15	38.5	39.32	18	38.5	A0	C9	5198	P -54 5742
91	10.1E	9.5H	45 28.829	-0.0030	12	-50 28 51.21	-0.025	12	0.65	28.974	31	01.4	50.00	28	01.4	A5	CZ	11689	P -50 6334
92	9.7	9.1W	45 29.363	0.0033	13	-56 2 24.33	-0.023	13	0.15	29.351	14	46.5	24.25	14	46.5	G5	C0	4329	P -55 5742
93	10.2E	9.8Z	45 34.015	-0.0026	12	-51 41 6.87	-0.033	12	0.85	34.145	63	00.4	5.25	57	00.4	A0	CZ	11692	P -51 6319
94	8.4	8.9W	45 35.121	-0.0010	07	-52 34 54.92	0.025	07	0.18	35.132	15	38.5	55.20	18	38.5	F8	C9	5200	P -52 6759
95	9.9E	9.1Z	45 47.843	0.0030	12	-51 40 3.09	-0.044	12	0.85	47.695	63	00.4	0.92	57	00.4	K2	CZ	11696	P -51 6323
96	10.6	9.9W	45 49.237	-0.0022	14	-52 14 26.94	-0.029	14	0.23	49.262	15	38.5	26.60	18	38.5	G2	C9	5201	P -51 6322
97	10.4	9.9W	45 53.322	-0.0035	14	-52 27 37.83	-0.028	14	0.23	53.362	15	38.5	37.50	18	38.5	F5	C9	5203	P -52 6765
98	9.3	9.0W	45 53.853	-0.0007	14	-53 58 46.76	0.004	14	0.23	53.862	15	38.5	46.81	18	38.5	F8	C9	5204	P -53 5760
99	10.2E	9.2H	45 54.497	-0.0036	12	-50 27 18.66	-0.006	12	0.72	54.667	45	02.4	18.38	45	02.4	K0	CZ	11699	P -50 6340
00	9.0	7.8W	46 0.045	-0.0029	07	-59 40 27.43	-0.019	07	0.14	0.055	14	46.5	27.36	14	46.5	K0	C0	4330	P -59 5208

241200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_μ ″.001	δ_{1950} ° ′ ″	μ'_δ ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 13H DM NUMBER
1	9.6	9.1W	13 46 4.483	-0.0034	12	-52 38 52.53	-0.007	12	0.22	4.522	15	38.5	52.61	18	38.5	F5	C9	5205	P -52 6766
2	9.3	9.2W	46 6.693	-0.0034	06	-53 29 43.17	-0.005	06	0.18	6.732	15	38.5	43.10	18	38.5	A2	C9	5206	P -53 5764
3	9.0	9.1W	46 10.104	-0.0041	07	-57 30 42.11	-0.015	07	0.14	10.119	14	46.5	42.06	14	46.5	B8	C0	4331	P -57 6307
4	9.2	9.5W	46 32.654	-0.0008	07	-59 18 29.41	-0.014	07	0.14	32.656	14	46.5	29.36	14	46.5	A0	C0	4332	P -58 5197
5	8.3E	8.2Z	46 44.011	-0.0020	12	-50 46 28.97	-0.004	12	0.65	44.110	31	01.4	28.78	28	01.4	A0	CZ	117200	P*-50 6351
6	9.2E	8.5Z	46 46.291	0.0015	12	-51 22 23.98	-0.039	12	0.67	46.218	31	99.9	22.04	31	99.9	K2	CZ	11722	P -50 6352
7	9.7	9.3W	46 46.575	0.0028	07	-55 18 43.20	-0.032	07	0.18	46.543	15	38.5	42.83	18	38.5	F8	C9	5207	P -54 5751
8	8.9	8.5W	46 57.181	-0.0367	13	-57 0 35.16	-0.341	13	0.15	57.310	14	46.5	33.96	14	46.5	G5	C0	4333	P -56 5956
9	7.7	7.9W	47 0.307	-0.0022	06	-59 30 0.95	-0.025	06	0.14	0.315	14	46.5	0.86	14	46.5	B3	C0	4334	P -59 5225
10	8.2	8.5W	47 6.276	-0.0002	07	-59 7 9.15	0.003	07	0.14	6.277	14	46.5	9.16	14	46.5	B9	C0	4335	P -58 5205
11	9.2	9.4W	47 9.661	-0.0027	14	-52 5 37.81	-0.026	14	0.23	9.692	15	38.5	37.50	18	38.5	A0	C9	5208	P -51 6337
12	9.2E	8.9H	47 10.789	-0.0011	12	-50 31 23.36	-0.005	12	0.72	10.842	45	02.4	23.13	45	02.4	K0	CZ	11728	P -50 6361
13	10.0	9.9W	47 10.824	-0.0008	09	-59 13 35.73	0.007	09	0.14	10.826	14	46.5	35.76	14	46.5	A	C0	4336	P -58 5207
14	9.9	8.4W	47 11.106	-0.0003	07	-58 48 6.68	0.022	07	0.14	11.107	14	46.5	6.76	14	46.5	K2	C0	4337	P -58 5208
15			47 11.751	-0.0020	07	-58 15 5.23	-0.049	07	0.14	11.758	14	46.5	5.06	14	46.5	A2	C0	4338V	P*-57 6324
16	9.9	9.9W	47 16.092	0.0013	13	-58 38 16.23	0.009	13	0.15	16.087	14	46.5	16.26	14	46.5	A3	C0	4339	P -58 5212
17	8.8	8.9W	47 18.132	-0.0019	07	-57 44 25.74	-0.022	07	0.14	18.139	14	46.5	25.66	14	46.5	B9	C0	4340	P -57 6329
18	9.4	8.7W	47 20.560	-0.0011	14	-52 2 41.26	-0.022	14	0.23	20.572	15	38.5	41.00	18	38.5	F5	C9	5209	P -51 6340
19	7.8I		47 22.494	-0.0039	18	-57 19 58.45	0.006	15	0.77	22.670	22	06.7	58.73	22	05.2	G5P	GC	18684X	P*-56 5960
20	9.5	9.7W	47 34.914	-0.0067	07	-53 41 11.75	-0.004	07	0.18	34.992	15	38.5	11.71	18	38.5	B8	C9	5210	P -53 5768
21		8.3T	47 45.391	-0.0073	15	-57 13 33.45	-0.010	12	0.67	45.736	21	04.9	32.99	21	02.9	A2	GC	18693	P -56 5963
22	10.4	8.8W	47 47.158	-0.0004	08	-52 58 52.03	-0.011	08	0.19	47.162	15	38.5	51.90	18	38.5	K2	C9	5211	P -52 6777
23	10.5	9.4W	47 51.592	-0.0270	07	-53 29 12.16	-0.083	07	0.18	51.902	15	38.5	11.20	18	38.5	K2	C9	5212	P -53 5769
24	9.8	9.8W	47 53.652	-0.0067	07	-59 40 14.89	-0.009	07	0.14	53.675	14	46.5	14.86	14	46.5	A0	C0	4343	P*-59 5230
25	9.3	8.8W	48 0.434	-0.0103	14	-52 0 31.89	-0.016	14	0.23	0.552	15	38.5	31.70	18	38.5	F8	C9	5213	P -51 6353
26	12.6E	11.0H	48 1.437	-0.0018	12	-52 0 49.02	-0.028	12	0.85	1.528	63	00.4	47.62	57	00.4	F8	CZ	11736	P -51 6353
27	10.2E	9.4Z	48 3.818	-0.0001	12	-50 16 50.82	-0.011	12	0.72	3.822	45	02.4	50.31	45	02.4		CZ	11737	P -49 6407
28	10.2E	9.8Z	48 5.451	-0.0014	12	-50 49 7.00	-0.014	12	0.72	5.519	45	02.4	6.35	45	02.4		CZ	11738	P -50 6372
29	9.7	9.9W	48 11.020	-0.0020	14	-58 48 51.32	0.010	14	0.15	11.027	14	46.5	51.36	14	46.5	B9	C0	4345	P -58 5222
30	8.5	8.0W	48 20.812	-0.0450	06	-57 10 58.35	-0.426	06	0.14	20.970	14	46.5	56.86	14	46.5	G0	C0	4346	P -56 5970
31	9.2E	9.0Z	48 21.878	-0.0056	12	-51 18 20.36	-0.009	12	0.85	22.157	63	00.4	19.92	57	00.4	F0	CZ	11740	P -50 6373
32	9.2	9.6W	48 23.035	-0.0014	09	-57 27 50.20	0.015	09	0.14	23.040	14	46.5	50.26	14	46.5	B8	C0	4347	P -57 6341
33	9.5	9.8W	48 29.164	-0.0040	07	-58 20 18.76	0.000	07	0.14	29.178	14	46.5	18.76	14	46.5	B8	C0	4348	P -57 6344
34	9.6	9.3W	48 29.917	-0.0028	07	-59 26 7.50	-0.010	07	0.14	29.927	14	46.5	7.46	14	46.5	F0	C0	4349	P -59 5239
35	10.1	9.7W	48 33.612	-0.0278	09	-53 49 51.69	-0.103	09	0.20	33.932	15	38.5	50.51	18	38.5	G0	C9	5214	P -53 5773
36	8.3	8.6W	48 33.828	-0.0001	07	-58 11 4.92	-0.019	07	0.14	33.829	14	46.5	4.86	14	46.5	A0	C0	4350	P*-57 6347
37	8.4	8.7W	48 37.246	-0.0009	06	-57 12 34.17	-0.005	06	0.14	37.250	14	46.5	34.16	14	46.5	B8	C0	4351	P -56 5973
38		7.7T	48 48.655	-0.0058	10	-52 33 45.85	-0.030	07	0.53	48.962	21	96.8	44.03	18	88.3	A3	GC	18718K	P -52 6787
39		5.7T	48 50.649	-0.0047	07	-52 33 52.32	-0.038	05	0.29	50.839	12	09.4	50.51	12	01.9	B8	GC	18720K	P*-52 6787
40	8.8	8.8W	48 57.052	0.0078	15	-55 25 32.60	0.012	15	0.24	56.963	15	38.5	32.74	18	38.5	F2	C9	5217	P -55 5760
41	10.0		48 57.518	-0.0059	13	-57 40 48.94	-0.024	13	0.15	57.539	14	46.5	48.86	14	46.5	B8	C0	4352	P -57 6355
42	9.3E	9.0Z	49 6.845	0.0019	12	-51 38 10.30	-0.017	12	0.85	6.752	63	00.4	9.47	57	00.4	A3	CZ	11757	P -51 6369
43	10.0E	8.2Z	49 11.994	-0.0017	12	-51 34 34.92	-0.027	12	0.85	12.079	63	00.4	33.59	57	00.4	K5	CZ	11760	P -51 6373
44	10.9		49 13.282	-0.0044	12	-53 14 31.95	-0.012	12	0.22	13.332	15	38.5	31.81	18	38.5	A3	O CZ	5218	P -52 6791
45	9.0E	8.7Z	49 15.076	-0.0036	12	-51 52 34.65	-0.035	12	0.85	15.255	63	00.4	32.90	57	00.4	K0	CZ	11761	P -51 6374
46	8.9E	7.8Z	49 16.667	-0.0105	12	-50 57 49.74	-0.001	12	0.72	17.169	45	02.4	49.70	45	02.4	K0	CZ	11762	P -50 6382
47	7.5	7.8W	49 19.377	-0.0028	07	-58 50 58.42	-0.017	07	0.14	19.387	14	46.5	58.36	14	46.5	B9	C0	4353	P -58 5240
48	9.6	9.5W	49 24.087	0.0004	13	-55 17 40.37	-0.003	13	0.22	24.083	15	38.5	40.33	18	38.5	B9	C9	5220	P -54 5772
49		7.5T	49 27.011	-0.0641	11	-50 40 29.14	-0.055	09	0.45	29.691	14	08.2	26.75	15	06.5	G5	GC	18737	C -50 8092
50		7.4T	49 33.920	-0.0292	13	-54 19 53.02	-0.116	11	0.63	35.293	21	03.0	47.00	18	97.9	F5	GC	18740	P -53 5781
51	8.1E	8.8Z	13 49 35.496	-0.0029	12	-51 51 2.39	-0.013	12	0.67	35.642	31	99.9	1.74	31	99.9	A2	CZ	11768	P -51 6382
52	9.9	9.7W	49 44.090	-0.0054	09	-54 18 59.53	-0.011	09	0.20	44.152	15	38.5	59.41	18	38.5	F5	O C9	5224	P -53 5784
53	10.5		49 47.309	-0.0028	09	-54 20 28.68	-0.007	09	0.20	47.342	15	38.5	28.61	18	38.5	F8	O C9	5225	P -53 5785
54	10.3	9.9W	49 47.431	-0.0036	14	-51 58 39.43	-0.054	14	0.23	47.472	15	38.5	38.81	18	38.5	G4	O C9	5226	P -51 6385
55	9.4	9.0W	49 54.361	0.0058	07	-56 27 7.71	-0.017	07	0.14	54.341	14	46.5	7.65	14	46.5	F8	C0	4354	P -56 5989
56		8.9T	49 55.423	-0.0047	20	-54 49 30.49	0.015	16	0.82	55.625	22	06.7	31.15	21	04.2	A0	GC	18749	P -54 5775
57	8.3E	7.8Z	49 57.551	-0.0076	12	-50 55 6.55	-0.019	12	0.72	57.915	45	02.4	5.66	45	02.4	K0	CZ	11771	P -50 6397
58	10.0	8.7W	50 5.688	-0.0030	07	-52 59 43.92	-0.018	07	0.18	5.722	15	38.5	43.71	18	38.5	K0	C9	5228	P -52 6798
59	7.9	8.2W	50 12.991	-0.0022	07	-58 11 37.11	-0.014	07	0.14	12.999	14	46.5	37.06	14	46.5	A0	C0	4355	P -57 6368
60	8.2	8.4W	50 17.503	-0.0017	07	-52 15 19.82	-0.071	07	0.18	17.522	15	38.5	19.01	18	38.5	A0	C9	5229	P*-51 6396
61	8.8	8.9W	50 22.997	-0.0005	14	-52 12 0.15	-0.013	14	0.23	23.002	15	38.5	0.00	18	38.5	A0	C9	5230	P*-51 6397
62		6.1T	50 27.397	-0.0024	11	-53 7 38.92	-0.032	07	0.52	27.514	21	00.6	37.06	18	91.2	B5	GC	18757	P*-52 6805
63	10.2E	8.5Z	50 29.530	-0.0003	12	-50 2 11.07	-0.008	12	0.71	29.543	45	03.3	10.70	45	03.3	K5	CZ	11776	P -49 6444
64	8.5	8.7W	50 31.027	-0.0022	07	-55 18 33.16	-0.020	07	0.18	31.053	15	38.5	32.93	18	38.5	B8	C9	5232	P -54 5776
65	9.7E	9.8Z	50 31.299	-0.0014	12	-51 11 54.65	-0.017	12	0.72	31.368	45	02.4	53.85	45	02.4		CZ	11777	P -50 6403
66	9.8	9.6W	50 46.843	-0.0034	12	-52 39 15.32	-0.010	12	0.22	46.882	15	38.5	15.20	18	38.5	A0	C9	5233	P -52 6810
67	9.0E	8.3Z	50 47.957	-0.0011	12	-50 18 55.49	0.002	12	0.72	48.008	45	02.4	55.60	45	02.4	K0	CZ	11782	P -49 6448
68	8.4E	8.5Z	50 58.334	-0.0022	12	-50 59 43.79	-0.014	12	0.67	58.439	36	03.0	43.14	36	03.0	B9	CZ	11785	P -50 6408
69	9.3E	9.6Z	50 58.629	-0.0015	12	-51 41 40.23	-0.006	12	0.72	58.701	45	02.4	39.95	45	02.4	A3	CZ	11784	P -51 6407
70		8.6T	50 59.626	-0.0019	15	-51 9 16.21	-0.011	12	0.71	59.719	19	00.8	15.64	18	97.0	B9	GC	18772	C -50 8104
71		6.9T	51 6.383	-0.0010	12	-54 9 59.14	-0.005	09	0.58	6.432	19	00.8	58.89	18	95.3	K0	GC	18774	P -53 5791
72	9.2E	9.6Z	51 12.025	0.0004	12	-50 3 20.09	-0.011	12	0.67	12.005	36	03.0	19.58	36	03.0	A2	CZ	11791	P -49 6455
73	9.5	9.2W	51 12.186	-0.0025	06	-59 59 33.52	-0.047	06	0.14	12.195	14	46.5	33.36	14	46.5	F5	C0	4097	P -59 5276
74	8.9	8.1W	51 15.754	-0.0008	07	-59 23 58.28	-0.036	07	0.14	15.757	14	46.5	58.16	14	46.5	G5	C0	4358	P -59 5277
75	9.1E	8.2Z	51 16.314	-0.0017	12	-51 16 41.54	-0.023	12	0.72	16.396	45	02.4	40.45	45	02.4	K0	CZ	11793	P -50 6415
76		7.2T	51 16.896	-0.0069	15	-54 49 33.24	0.003	13	0.70	17.209	22	04.4	33.41	21	02.2	K0	GC	18780	P -54 5783
77		7.4T	51 18.592	-0.0025	13	-55 29 34.09	-0.035	11	0.64	18.724	21	02.1	32.26	19	97.3	A3	GC	18781	P -55 5779
78	11.1	9.9W	51 20.253	-0.0017	14	-53 43 6.07	-0.023	14	0.23	20.272	15	38.5	5.81	18	38.5	G5	O C9	5237	P -53 5793
79	9.6E	9.4Z	51 21.561	-0.0001	12	-50 18 36.62	-0.032	12	0.70	21.565	45	04.3	35.17	45	04.3	K0	CZ	11795	P -49 6459
80	8.4E	8.2Z	51 26.715	-0.0030	12	-50 26 46.97	-0.039	12	0.70	26.851	45	04.3	45.19	45	04.3	F5	CZ	11798	P -50 6419
81	8.6E	8.7Z	51 28.611	-0.0015	12	-50 26 42.09	-0.032	12	0.70	28.678	45	04.3	40.63	45	04.3	F5	CZ	11800	P -50 6420
82	8.2E	8.0Z	51 30.089	-0.0041	12	-51 22 39.19	-0.017	12	0.72	30.286	45	02.4	38.39	45	02.4	A2	CZ	11801	P -51 6415
83	9.2	9.4W	51 34.168	-0.0034	07	-57 23 4.99	-0.010	07	0.14	34.180	14	46.5	4.96	14	46.5	A0	C0	4359	P -57 6388
84	10.0		51 34.257	-0.0003	14	-57 37 22.48	-0.007	14	0.15	34.259	14	46.5	22.46	14	46.5	B9	C0	4360	P -57 6387
85	8.7	8.6W	51 36.826	0.0012	08	-55 13 45.37	-0.020	08	0.19	36.813	15	38.5	45.14	18	38.5	A0	C9	5240	P -54 5788
86	9.5	9.5W	51 39.448	-0.0030	07	-54 50 33.96	-0.021	07	0.18	39.482	15	38.5	33.72	18	38.5	A0	O C9	5241	P -54 >790
87		6.9T	51 40.599	-0.0013	14	-54 46 35.42	0.005	12	0.68	40.659	21	02.4	35.65	19	98.7	K5	GC	18789	P -54 5791
88	7.9	8.1W	51 42.223	0.0007	07	-56 29 46.34	-0.025	07	0.14	42.221	14	46.5	46.25	14	46.5	A0	C0	4361	P -56 6010
89	9.6E	9.3Z	51 48.934	-0.0041	12	-50 30 18.60	-0.032	12	0.70	49.123	45	04.3	17.14	45	04.3	F8	CZ	11807	P -50 6423
90	10.5	10.0W	51 54.941	0.0066	11	-58 23 23.50	0.017	11	0.15	54.918	14	46.5	23.56	14	46.5	G5	C0	4362	P -58 5274
91	9.7	9.8W	51 55.415	-0.0016	13	-56 14 26.49	0.016	13	0.15	55.421	14	46.5	26.55	14	46.5	B8	C0	4363	P -55 5780
92	7.5	7.8W	51 56.417	-0.0008	06	-56 56 23.63	-0.020	06	0.14	56.420	14	46.5	23.56	14	46.5	B8	C0	4364	P -56 6014
93	8.7E	9.0Z	51 57.620	-0.0027	12	-50 29 59.93	-0.028	12	0.70	57.742	45	04.3	58.65	45	04.3	F2	CZ	11811	P -50 6425
94		5.8T	51 57.828	-0.0027	09	-51 54 56.43	-0.027	06	0.32	57.928	14	12.4	55.20	12	04.8	B8	GC	18795	C*-51 7832
95	8.3	8.3W	52 2.428	-0.0004	07	-53 16 59.92	-0.036	07	0.18	2.432	15	38.5	59.50	18	38.5	A3	C9	5246	P -52 6832
96	9.4	9.5W	52 2.488	-0.0024	07	-59 24 32.64	-0.024	07	0.14	2.497	14	46.5	32.56	14	46.5	B9	C0	4365	P -59 5289
97	10.2		52 3.008	-0.0001	11	-58 28 56.76	-0.002	11	0.15	3.008	14	46.5	56.76	14	46.5	A0	C0	4366	P -58 5276
98	8.1	8.0W	52 12.424	-0.0060	05	-59 48 28.92	-0.017	05	0.14	12.445	14	46.5	28.86	14	46.5	F0	C0	4367	P -59 5290
99	8.8E	7.7Z	52 15.891	-0.0018	12	-51 43 55.74	-0.011	12	0.81	15.974	63	04.4	55.25	57	04.4	K5	CZ	11816	P -51 6424
00	9.5	9.5W	52 18.429	-0.0026	07	-58 12 15.64	-0.022	07	0.14	18.439	14	46.5	15.56	14	46.5	B9	C0	4368	P -57 6394

241300

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.0	9.9W	13 52 20.763	-0.0069	07	-52 26 31.07	-0.049	07	0.18	20.842	15	38.5	30.50	18	38.5	AO		C9	5247	P -52 6840
2	7.8	8.0W	52 24.978	0.0005	07	-59 7 35.51	-0.015	07	0.14	24.977	14	46.5	35.46	14	46.5	B2		C0	4369	P -56 5282
3	9.4E	9.6Z	52 33.998	-0.0005	12	-51 28 18.26	-0.016	12	0.81	34.019	63	04.4	17.54	57	04.4	AO		CZ	11824	P -51 6435
4	10.4	9.2W	52 39.255	-0.0041	12	-53 0 19.05	-0.004	12	0.22	39.302	15	38.5	19.01	18	38.5	K2		C9	5249	P -52 6842
5		7.0T	52 39.911	-0.0065	15	-50 24 59.63	-0.046	11	0.69	40.225	19	01.3	57.19	18	96.8	K0		GC	18812	C -50 8126
6		6.8T	52 43.841	-0.0043	15	-55 42 29.02	-0.007	12	0.68	44.059	21	03.6	28.68	19	99.5	K0		GC	18814	P -55 5786
7	9.5E	9.2Z	52 49.311	-0.0013	12	-51 20 58.35	-0.012	12	0.81	49.372	63	04.4	57.81	57	04.4	A2		CZ	11833	P -50 6439
8	8.9E	9.5Z	52 58.960	-0.0018	12	-51 33 26.80	-0.007	12	0.81	59.042	63	04.4	26.49	57	04.4	A0		CZ	11836	P -51 6437
9		6.4T	53 2.152	-0.0039	12	-53 53 15.05	-0.017	07	0.53	2.337	19	02.6	14.11	18	93.5	A2		GC	18822K	P*-53 5805
10	10.0		53 2.443	-0.0006	09	-59 57 38.63	0.007	09	0.14	2.445	14	46.5	38.66	14	46.5	B9		C0	4108	P -59 5299
11	9.6	9.7W	53 8.679	0.0001	14	-57 59 26.00	-0.041	14	0.15	8.679	14	46.5	25.86	14	46.5	A0		C0	4371	P -57 6402
12	9.7	9.7W	53 9.863	-0.0012	07	-58 40 18.53	-0.020	07	0.14	9.867	14	46.5	18.46	14	46.5	A		C0	4372	P -58 5288
13		6.6T	53 11.800	-0.0048	15	-51 47 28.72	-0.009	11	0.69	12.028	22	02.1	28.23	21	96.7	A3		GC	18824	C -51 7846
14	10.8	10.0W	53 12.511	-0.0010	14	-51 53 53.43	-0.028	14	0.23	12.522	15	38.5	53.10	18	38.5	K0		C9	5253	P*-51 6439
15		6.1T	53 14.253	-0.0041	11	-54 27 26.11	-0.219	08	0.54	14.259	21	99.9	13.76	18	93.5	G0		GC	18828	P -54 5806
16	9.8	9.8W	53 20.639	-0.0023	07	-58 34 42.16	-0.005	07	0.14	20.647	14	46.5	42.16	14	46.5	A0		C0	4373	P -58 5290
17	9.6	9.8W	53 31.266	0.0003	07	-54 36 46.49	0.011	07	0.18	31.262	15	38.5	46.62	18	38.5	B9		C9	5255	P -54 5808
18	10.0	9.7W	53 48.101	-0.0036	14	-52 11 59.54	-0.029	14	0.23	48.142	15	38.5	59.20	18	38.5	A3		C9	5256	P -51 6447
19	9.1	8.4W	53 55.853	-0.0015	07	-58 17 18.82	-0.017	07	0.14	55.858	14	46.5	18.76	14	46.5	G5		C0	4374	P -57 6408
20	8.5	8.9W	53 56.164	-0.0017	07	-57 28 6.59	-0.007	07	0.14	56.170	14	46.5	6.56	14	46.5	A0		C0	4375	P -57 6409
21		7.6T	53 57.074	-0.0312	14	-55 47 42.44	-0.083	12	0.65	58.630	18	03.1	38.32	17	00.2	G5		GC	18842K	P -55 5794
22	9.8	9.5W	53 59.236	-0.0049	07	-52 40 44.78	0.011	07	0.18	59.292	15	38.5	44.90	18	38.5	A3		C9	5258	P -52 6863
23	9.1	9.4W	53 59.373	0.0001	06	-55 47 25.69	0.004	06	0.18	59.372	15	38.5	25.73	18	38.5	A2	O	C9	5259	P -55 5793
24			54 3.480	0.0001	06	-57 28 2.47	-0.005	06	0.14	3.480	14	46.5	2.46	14	46.5	MB		C0	4376V	P*-57 6410
25	8.9E	8.7Z	54 8.722	-0.0018	12	-50 0 54.93	-0.018	12	0.71	8.804	45	03.3	54.10	45	03.3	A0		CZ	11856	P -49 6500
26	9.7E	9.0Z	54 22.873	-0.0027	12	-50 55 45.41	-0.009	12	0.70	22.998	45	04.3	45.01	45	04.3	A0		CZ	11857	P -50 6461
27	8.5	8.8W	54 26.149	-0.0021	05	-59 26 44.62	-0.017	05	0.14	26.157	14	46.5	44.56	14	46.5	A0		C0	4377	P -59 5309
28	8.6	9.1W	54 28.366	-0.0027	06	-59 38 28.41	-0.013	06	0.14	28.375	14	46.5	28.36	14	46.5	B3		C0	4378	P -59 5310
29	8.8	8.5W	54 33.033	-0.0016	07	-55 49 31.39	-0.013	07	0.18	33.051	15	38.5	31.23	18	38.5	F0		C9	5261	P -55 5800
30	7.9	7.2W	54 38.935	-0.0050	06	-53 27 39.47	-0.023	06	0.18	38.992	15	38.5	39.20	18	38.5	K0		C9	5262	P -53 5812
31	9.5	9.2W	54 43.859	-0.0038	12	-52 57 37.18	-0.041	12	0.22	43.902	15	38.5	36.70	18	38.5	F0		C9	5263	P -52 6875
32	8.1	8.4W	54 44.849	-0.0003	07	-52 25 6.83	-0.020	07	0.18	44.852	15	38.5	6.60	18	38.5	B9		C9	5264	P -52 6876
33	9.8E	9.3Z	54 51.384	-0.0041	12	-50 33 34.04	0.004	12	0.70	51.572	45	04.3	34.23	45	04.3	G5		CZ	11865	P -50 6468
34			54 54.722	-0.0017	07	-56 6 35.19	0.013	07	0.18	54.742	15	38.5	35.33	18	38.5	NA		C9	5265V	P*-55 5802
35	9.9	9.9W	54 58.057	-0.0032	14	-58 29 42.62	0.012	14	0.15	58.068	14	46.5	42.66	14	46.5	A0		C0	4379	P -58 5303
36	10.1E	9.6Z	55 1.068	-0.0014	12	-50 17 32.13	-0.014	12	0.70	1.130	45	04.3	31.50	45	04.3	A0		CZ	11866	P -49 6512
37	9.5	9.0W	55 1.398	-0.0147	13	-56 32 4.93	-0.107	13	0.15	1.450	14	46.5	4.56	14	46.5	G0		C0	4380	P -56 6051
38	10.2E	9.5Z	55 4.278	-0.0025	12	-50 54 52.16	-0.015	12	0.70	4.394	45	04.3	51.48	45	04.3	A0		CZ	11867	P -50 6473
39	9.8	9.6W	55 4.359	-0.0054	08	-54 49 6.76	0.005	08	0.19	4.422	15	38.5	6.82	18	38.5	F5		C9	5266	P -54 5821
40			55 13.225	0.0015	12	-51 30 17.45	-0.030	12	0.81	13.157	63	04.4	16.09	57	04.4	F5		CZ	11869Y	P -51 6466
41	9.3	9.5W	55 18.708	-0.0031	07	-57 39 10.86	0.000	07	0.14	18.719	14	46.5	10.86	14	46.5	A0		C0	4381	P -57 6422
42	10.2		55 19.233	-0.0008	12	-53 13 21.08	-0.015	12	0.22	19.242	15	38.5	20.90	18	38.5	A0		C9	5267	P -52 6879
43	9.7	10.0W	55 22.575	0.0038	15	-54 36 1.18	-0.005	15	0.24	22.532	15	38.5	1.12	18	38.5	A0		C9	5268	P -54 5825
44	9.6	9.8W	55 23.745	-0.0041	15	-55 0 26.06	-0.011	15	0.24	23.793	15	38.5	25.94	18	38.5	B9		C9	5269	P -54 5826
45	8.9	8.6W	55 26.848	-0.0013	07	-52 34 54.21	-0.026	07	0.18	26.862	15	38.5	53.90	18	38.5	A3		C9	5271	P*-52 6882
46	9.5	9.6W	55 35.024	-0.0012	07	-57 51 28.40	-0.012	07	0.14	35.029	14	46.5	28.36	14	46.5	A0		C0	4382	P -57 6424
47	9.3	9.4W	55 47.398	-0.0003	13	-55 44 40.37	-0.012	13	0.22	47.401	15	38.5	40.23	18	38.5	B8		C9	5273	P -55 5811
48	8.9E	9.3Z	55 51.420	-0.0033	12	-51 52 7.43	-0.003	12	0.81	51.435	63	04.4	7.28	57	04.4	F0		CZ	11880	P -51 6474
49	8.6E	8.5Z	55 56.496	-0.0013	12	-50 42 48.31	-0.011	12	0.64	56.559	31	02.7	47.79	28	02.7	A0		CZ	11883	P -50 6482
50	9.2	9.6W	55 58.834	-0.0014	07	-57 35 43.76	-0.029	07	0.14	58.838	14	46.5	43.66	14	46.5	B8		C0	4383	P -57 6431
51	8.5E	8.4*	13 56 2.843	-0.0022	12	-51 39 0.01	-0.028	12	0.65	2.950	31	01.9	-58.68	31	01.9	F8		CZ	11886	P -51 6476
52		6.1T	56 3.989	-0.0012	14	-50 7 37.36	-0.037	10	0.64	3.928	19	01.2	35.36	18	96.0	K0		GC	18895	C -49 8356
53	9.7	9.9W	56 6.762	-0.0018	07	-58 18 18.21	-0.015	07	0.14	6.769	14	46.5	18.16	14	46.5	A0		C0	4384	P -57 6432
54	10.4	9.6W	56 8.275	-0.0067	12	-53 18 8.94	-0.020	12	0.22	8.352	15	38.5	8.71	18	38.5	G5		C9	5274	P -52 6894
55	9.6	9.7W	56 9.817	-0.0004	07	-53 56 10.57	-0.023	07	0.18	9.822	15	38.5	10.31	18	38.5	A0		C9	5275	P -53 5820
56	10.3	10.1W	56 10.330	-0.0020	14	-52 13 55.46	-0.048	14	0.23	10.352	15	38.5	54.90	18	38.5	A3		C9	5276	P -51 6477
57	10.3E	9.5Z	56 14.728	-0.0031	12	-50 56 58.21	-0.015	12	0.70	14.872	45	04.3	57.54	45	04.3	F8		CZ	11890	P -50 6485
58	8.9	8.9W	56 15.489	-0.0055	07	-55 29 50.69	-0.048	07	0.18	15.552	15	38.5	50.13	18	38.5	F2		C9	5277	P -55 5815
59	10.0		56 18.792	-0.0065	11	-59 42 34.37	-0.031	11	0.15	18.816	14	46.5	34.26	14	46.5	A		C0	4385	P -59 5326
60	9.3	9.4W	56 23.204	-0.0012	07	-57 35 20.04	-0.022	07	0.14	23.209	14	46.5	19.96	14	46.5	A2		C0	4386	P -57 6435
61	10.1	9.7W	56 28.952	-0.0043	13	-58 48 12.89	-0.036	13	0.15	28.967	14	46.5	12.76	14	46.5	F8		C0	4387	P -58 5318
62	10.4		56 38.336	-0.0030	13	-59 18 47.40	0.017	13	0.15	38.347	14	46.5	47.46	14	46.5	A2		C0	4388	P -58 5319
63	9.8	9.4W	56 52.498	-0.0030	07	-53 54 24.23	-0.028	07	0.18	52.532	15	38.5	23.91	18	38.5	F5		C9	5278	P -53 5826
64	9.5	9.7W	56 55.198	-0.0024	07	-59 22 52.13	-0.020	07	0.14	55.207	14	46.5	52.06	14	46.5	B9		C0	4389	P -59 5336
65	10.1E	9.5Z	56 59.014	-0.0019	12	-50 58 20.23	-0.042	12	0.66	59.104	36	03.7	18.29	36	03.7	G0		CZ	11900	P -50 6505
66	8.8	8.1W	57 10.358	-0.0022	06	-59 39 30.23	-0.021	06	0.14	10.365	14	46.5	30.16	14	46.5	G5		C0	4390	P -59 5338
67	8.5	8.6W	57 17.139	-0.0019	07	-53 57 56.27	-0.023	07	0.18	17.162	15	38.5	56.01	18	38.5	A0		C9	5279	P -53 5828
68	9.6	9.7W	57 22.280	-0.0010	07	-55 55 42.20	-0.006	07	0.18	22.291	15	38.5	42.13	18	38.5	A0		C9	5280	P -55 5822
69	10.4	9.4W	57 36.380	-0.0054	09	-54 43 3.51	-0.008	09	0.20	36.442	15	38.5	3.42	18	38.5	K0		C9	5281	P -54 5840
70	9.6	9.6W	57 41.764	0.0001	11	-53 11 49.62	-0.036	11	0.21	41.762	15	38.5	49.20	18	38.5	B9		C9	5282	P -52 6912
71		6.9T	57 53.071	-0.0031	14	-56 59 14.41	-0.015	11	0.58	53.221	18	08.3	13.70	18	01.8	K2		GC	18929	P -56 6082
72	7.6	8.0W	57 56.560	-0.0002	06	-55 58 57.68	-0.007	06	0.14	56.561	14	46.5	57.65	14	46.5	B8		C0	4392	P -55 5829
73	9.1E	8.9Z	58 1.687	-0.0059	12	-51 30 19.90	-0.029	12	0.81	1.957	63	04.4	18.59	57	04.4	F2		CZ	11916	P -51 6502
74	10.2E	8.5Z	58 3.424	-0.0030	12	-50 56 52.87	-0.029	12	0.71	3.566	45	03.3	51.53	45	03.3	K2		CZ	11917	P -50 6517
75	10.0E	9.3*	58 5.515	-0.0039	12	-50 14 55.26	-0.019	12	0.65	5.701	31	02.0	54.35	28	02.0	F8		CZ	11918	P -49 6567
76	10.1	9.1W	58 35.584	-0.0064	07	-59 28 54.65	-0.027	07	0.14	35.606	14	46.5	54.56	14	46.5	K0		C0	4394	P -59 5348
77	9.8	9.5W	58 43.146	-0.0058	07	-52 45 58.24	-0.029	07	0.18	43.212	15	38.5	57.90	18	38.5	G		C9	5286	P -52 6932
78	8.1	8.4W	58 46.449	-0.0003	07	-56 44 52.15	-0.024	07	0.14	46.450	14	46.5	52.06	14	46.5	B9		C0	4395	P -56 6089
79	9.7	9.3W	58 47.397	0.0005	15	-55 54 18.13	-0.017	15	0.24	47.391	15	38.5	17.93	18	38.5	F5		C9	5287	P -55 5836
80	9.8	10.0W	59 1.491	-0.0049	13	-57 38 27.18	-0.005	13	0.15	1.509	14	46.5	27.16	14	46.5	A0		C0	4396	P -57 6461
81	9.5	9.8W	59 2.733	-0.0008	08	-55 8 29.43	-0.017	08	0.19	2.743	15	38.5	29.24	18	38.5	B9		C9	5288	P -54 5853
82	8.9	8.6W	59 3.205	-0.0059	05	-52 18 44.58	-0.015	05	0.18	3.272	15	38.5	44.40	18	38.5	G0		C9	5289	P -51 6515
83	9.3	8.8W	59 12.623	-0.0017	07	-54 13 26.81	-0.026	07	0.18	12.642	15	38.5	26.51	18	38.5	F0		C9	5290	P -53 5844
84	9.3	9.2W	59 13.371	-0.0019	06	-52 29 50.70	-0.017	06	0.18	13.392	15	38.5	50.50	18	38.5	A5		C9	5291	P -52 6937
85	9.4	8.2W	59 13.467	-0.0022	07	-53 45 10.09	0.010	07	0.18	13.492	15	38.5	10.21	18	38.5	K5		C9	5292	P -53 5845
86	10.3	9.9W	59 15.671	-0.0166	07	-52 24 13.01	-0.096	07	0.18	15.862	15	38.5	11.90	18	38.5	G5		C9	5293	P -52 6939
87	10.0E	9.8Z	59 15.799	-0.0011	12	-51 7 22.20	-0.027	12	0.71	15.852	45	03.3	20.96	45	03.3	A0		CZ	11927	P -50 6533
88	9.3	9.4W	59 22.121	0.0003	07	-57 20 54.25	-0.024	07	0.14	22.120	14	46.5	54.16	14	46.5	B9		C0	4397	P -56 6098
89	9.4	9.0W	59 25.306	-0.0013	07	-55 45 48.53	0.009	07	0.18	25.401	15	38.5	48.63	18	38.5	B0		C9	5294	P -55 5841
90		8.0W	59 25.869	-0.0017	06	-59 56 0.01	-0.013	06	0.14	25.875	14	46.5	-59.96	14	46.5	A0		C0	4399	P -59 5356
91	10.1E	9.2Z	59 28.367	-0.0035	12	-50 25 9.60	-0.032	12	0.71	28.530	45	03.3	8.11	45	03.3	G5		CZ	11930	P -50 6537
92	9.6E	9.8Z	59 29.360	-0.0008	12	-51 39 33.18	-0.011	12	0.81	29.397	63	04.4	32.69	57	04.4	A2		CZ	11929	P -51 6521
93	9.9	9.9W	59 33.321	-0.0045	14	-52 28 50.45	-0.004	14	0.23	33.372	15	38.5	50.40	18	38.5	A0		C9	5295	P -52 6943
94	9.6E	8.0Z	59 37.009	-0.0048	12	-50 58 38.88	-0.030	12	0.71	37.234	45	03.3	37.49	45	03.3	K2		CZ	11933	P -50 6543
95	9.9	9.0W	59 37.625	-0.0005	07	-56 4 29.62	-0.025	07	0.18	37.631	15	38.5	29.33	18	38.5	K0		C9	5296	P -55 5843
96	9.4	9.0W	59 37.680	0.0010	06	-58 42 29.03	-0.020	06	0.14	37.677	14	46.5	28.96	14	46.5	F0		C0	4400	P -58 5335
97	10.7	9.9W	59 41.010	0.0006	08	-52 30 59.01	-0.035	08	0.19	41.002	15	38.5	58.60	18	38.5	G5		C9	5298	P -52 6946
98	9.8E	9.0Z	59 43.773	-0.0044	12	-50 48 37.80	-0.025	12	0.71	43.980	45	03.3	36.65	45	03.3	F5		CZ	11936	P -50 6547
99	9.8	9.9W	59 45.083	-0.0010	14	-59 0 19.35	0.002	14	0.15	45.087	14	46.5	19.36	14	46.5	B9		C0	4401	P -58 5336
00	10.4		59 50.670	-0.0046	09	-55 6 50.09	-0.013	09	0.20	50.723	15	38.5	49.93	18	38.5	F8		C9	5299	P -54 5863

241400 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.1	8.1W	13 59 57.209	-0.0001	07	-57 6 32.49	-0.037	07	0.14	57.210	14	46.5	32.36	14	46.5	K0	C0	4402	F -56 6107
2	10.3	9.3W	59 59.910	0.0024	14	-53 0 55.59	-0.016	14	0.23	59.882	15	38.5	55.40	18	38.5	K0	C9	5300	F -52 6948
3		5.9T	14 0 2.602	-0.0094	11	-55 58 23.50	-0.034	07	0.50	3.138	21	01.5	21.58	18	93.2	K0	GC	18964	F -55 5846
4		7.6T	0 13.886	-0.0016	12	-51 49 9.57	-0.014	09	0.53	13.956	18	05.3	8.85	17	99.0	B8	GC	18970	C -51 7921
5	9.5	9.3W	0 20.735	-0.0005	06	-59 13 23.60	-0.010	06	0.14	20.737	14	46.5	23.56	14	46.5	B0	C0	4404	F -58 5340
6	8.9E	8.5Z	0 21.971	-0.0018	12	-51 25 14.71	-0.016	12	0.81	22.054	63	04.4	13.99	57	04.4	B9	CZ	11946	P -51 6531
7	8.0	8.1W	0 34.078	-0.0020	07	-53 32 3.71	-0.026	07	0.18	34.102	15	38.5	3.41	18	38.5	A3	C9	5302	P -53 5854
8	8.7	8.7W	0 39.425	-0.0006	07	-53 28 46.32	-0.010	07	0.18	39.432	15	38.5	46.20	18	38.5	A0	C9	5303	P -53 5856
9	10.1E	9.8Z	0 42.983	-0.0019	12	-51 9 17.28	-0.012	12	0.71	43.074	45	03.3	16.73	45	03.3	A2	CZ	11954	P -50 6561
10	9.2	9.5W	0 48.714	-0.0017	07	-57 10 12.57	-0.032	07	0.14	48.720	14	46.5	12.46	14	46.5	B8	C0	4405	P -56 6114
11	10.3	10.0W	0 49.720	-0.0002	14	-52 31 22.92	-0.027	14	0.23	49.722	15	38.5	22.60	18	38.5	F8	C9	5304	P -52 6960
12	9.6	9.3W	0 50.580	-0.0057	07	-57 14 2.25	-0.056	07	0.14	50.600	14	46.5	2.06	14	46.5	B8	C0	4406	P*-56 6115
13	8.0	8.1W	0 56.802	-0.0048	06	-57 57 39.17	-0.032	06	0.14	56.819	14	46.5	39.06	14	46.5	A0	C0	4407	P -57 6482
14	10.1E	9.5R	0 59.266	-0.0018	12	-51 11 34.55	-0.017	12	0.65	59.354	31	02.0	33.75	28	02.0	A0	CZ	11958	P -50 6568
15	9.7E	9.3Z	1 4.312	-0.0022	12	-50 54 7.76	-0.024	12	0.71	4.417	45	03.3	6.65	45	03.3	A3	CZ	11960	P -50 6571
16	9.5	9.5W	1 4.549	-0.0001	13	-56 45 48.65	-0.054	13	0.15	4.550	14	46.5	48.46	14	46.5	A2	C0	4408	P -56 6117
17			1 10.550	-0.0020	07	-58 39 10.48	-0.007	07	0.14	10.557	14	46.5	10.46	14	46.5	A0	C0	4409V	P*-58 5347
18	11.0		1 11.138	-0.0004	14	-52 7 50.22	-0.027	14	0.23	11.142	15	38.5	49.91	18	38.5	A	C9	5307	P*-51 6543
19	9.4	9.5W	1 11.713	-0.0017	07	-53 47 33.63	-0.019	07	0.18	11.732	15	38.5	33.41	18	38.5	A2	C9	5308	P -53 5863
20	10.2		1 18.568	-0.0030	07	-52 55 6.61	-0.009	07	0.18	18.602	15	38.5	6.50	18	38.5	A0	C9	5309	P -52 6969
21	10.0	9.2W	1 23.181	-0.0019	07	-52 59 36.40	-0.025	07	0.18	23.202	15	38.5	36.10	18	38.5	G5	C9	5310	P -52 6971
22	9.4	9.3W	1 36.784	-0.0021	07	-56 16 16.90	-0.015	07	0.14	36.791	14	46.5	16.85	14	46.5	F0	C0	4410	P -55 5865
23	9.3	8.3W	1 39.231	-0.0026	07	-55 53 58.97	-0.012	07	0.18	39.261	15	38.5	58.83	18	38.5	K0	C9	5312	P -55 5866
24	9.7	9.8W	1 43.267	0.0048	13	-56 41 5.95	0.003	13	0.15	43.250	14	46.5	5.96	14	46.5	B9	C0	4411	P -56 6127
25	9.0	9.1W	1 47.780	-0.0028	15	-55 19 49.42	-0.042	15	0.24	47.813	15	38.5	48.93	18	38.5	A0	C9	5313	P -54 5883
26	9.3	9.5W	1 54.846	-0.0014	07	-53 59 47.23	-0.019	07	0.18	54.862	15	38.5	47.01	18	38.5	B9	C9	5314	P -53 5866
27	10.1E	9.6H	1 57.128	-0.0055	12	-50 15 20.76	-0.057	12	0.65	57.391	31	02.0	18.03	28	02.0		CZ	11975	P -49 6627
28	9.5	9.6W	2 3.112	-0.0027	07	-53 0 16.04	-0.046	07	0.18	3.142	15	38.5	15.50	18	38.5	A0	C9	5315	P -52 6981
29	8.1E	7.8Z	2 12.841	0.0016	12	-50 9 35.80	-0.005	12	0.72	12.763	45	02.3	35.57	45	02.3	K0	CZ	11976D	P*-49 6634
30		6.3T	2 24.550	-0.0084	07	-54 25 49.39	-0.028	05	0.30	24.896	12	08.8	48.05	12	01.4	A3	GC	19006	P -54 5887
31	9.7	8.6W	2 25.510	-0.0028	07	-57 1 55.27	-0.032	07	0.14	25.520	14	46.5	55.16	14	46.5	K0	C0	4412	P -56 6137
32	10.1		2 28.503	-0.0011	11	-59 3 25.47	-0.005	11	0.15	28.507	14	46.5	25.46	14	46.5	A0	C0	4413	P -58 5357
33	9.5E	8.7Z	2 39.980	0.0047	12	-50 55 8.56	-0.017	12	0.71	39.762	45	03.3	7.78	45	03.3	G0	CZ	11984	P -50 6591
34	10.2	9.9W	2 44.016	-0.0032	07	-52 58 14.62	-0.010	07	0.18	44.052	15	38.5	14.50	18	38.5	F2	C9	5318	P -52 6988
35	8.5	8.8W	2 46.027	-0.0009	07	-56 33 1.78	-0.036	07	0.14	46.030	14	46.5	1.66	14	46.5	A0	C0	4414	P -56 6144
36		8.1T	2 50.923	0.0008	13	-53 58 5.77	-0.002	11	0.64	50.885	18	01.8	5.64	19	98.3	B8	GC	19012	P -53 5871
37	10.2	8.9W	2 51.911	-0.0045	06	-59 15 13.62	-0.046	06	0.14	51.926	14	46.5	13.46	14	46.5	K0	C0	4415	P -58 5360
38	9.3E	9.4H	2 52.245	-0.0009	12	-50 29 2.59	-0.025	12	0.71	52.286	45	03.3	1.43	45	03.3	A2	CZ	11988	P -50 6594
39		6.5T	2 52.458	-0.0007	10	-59 28 38.78	0.015	08	0.38	52.487	12	09.8	39.41	12	06.3	B0	GC	19013	P -59 5395
40	9.8	9.9W	2 53.443	-0.0011	07	-59 24 24.62	-0.019	07	0.14	53.446	14	46.5	24.56	14	46.5	A2	C0	4417	P -59 5396
41	9.6	9.2W	2 55.926	-0.0032	07	-52 46 18.50	-0.025	07	0.18	55.962	15	38.5	18.20	18	38.5	F5	C9	5321	P -52 6990
42	9.8	9.9W	2 59.991	-0.0009	15	-54 39 47.44	-0.037	15	0.24	+ 0.002	15	38.5	47.02	18	38.5	A0	C9	5322	P -54 5892
43		7.7T	3 5.754	0.0012	13	-59 31 0.77	-0.031	11	0.61	5.692	19	03.9	-59.22	18	99.5	B9	GC	19021	P -59 5399
44	8.2E	8.0Z	3 6.586	-0.0021	12	-51 22 51.54	-0.003	12	0.64	6.688	31	02.7	51.41	28	02.7	F5	CZ	11991	P -51 6565
45		8.6T	3 11.926	0.0024	17	-53 58 33.06	-0.027	13	0.78	11.812	22	02.4	31.68	21	98.0	K5	GC	19023	P -53 5873
46	9.8	8.9W	3 12.259	-0.0026	06	-57 50 29.05	-0.027	06	0.14	12.268	14	46.5	28.96	14	46.5	K0	C0	4419	P -57 6498
47	9.0	8.7W	3 18.370	-0.0036	07	-53 46 6.20	-0.017	07	0.18	18.412	15	38.5	6.01	18	38.5	F0	C9	5324	P -53 5874
48	9.5	8.3W	3 18.624	-0.0017	07	-56 36 33.82	-0.015	07	0.14	18.630	14	46.5	33.76	14	46.5	K0	C0	4420	P -56 6148
49	9.2	8.7W	3 29.842	0.0000	07	-52 59 21.57	-0.023	07	0.18	29.842	15	38.5	21.30	18	38.5	F5	C9	5325	P -52 6994
50	9.8E	8.7Z	3 31.658	-0.0032	12	-50 4 51.81	-0.010	12	0.69	31.797	45	05.9	51.35	45	05.9		CZ	11997	P -49 6658
51	9.0	8.7W	14 3 32.653	-0.0050	07	-56 16 3.99	-0.041	07	0.14	32.671	14	46.5	3.85	14	46.5	F8	C0	4421	P -55 5878
52	8.6E	8.3Z	3 38.057	-0.0030	12	-50 4 23.87	-0.028	12	0.69	38.187	45	05.9	22.62	45	05.9	F8	CZ	12000	P -49 6661
53	9.7E	9.0Z	3 38.971	-0.0017	12	-51 3 28.99	-0.018	12	0.65	39.052	31	02.0	28.11	28	02.0	A0	CZ	11999	P -50 6604
54	9.3	9.5W	3 44.472	-0.0013	07	-58 51 45.39	-0.008	07	0.14	44.477	14	46.5	45.36	14	46.5	B8	C0	4422	P -58 5368
55	8.9	9.2W	3 46.734	-0.0006	07	-59 16 25.57	-0.002	07	0.14	46.736	14	46.5	25.56	14	46.5	B8	C0	4423	P -58 5367
56	9.7	9.9W	3 50.491	0.0028	07	-56 12 19.74	0.003	07	0.14	50.481	14	46.5	19.75	14	46.5	A0	C0	4424	P -55 5880
57	9.3	9.6W	4 1.409	-0.0003	13	-56 53 26.58	0.022	13	0.15	1.410	14	46.5	26.66	14	46.5	B5	C0	4425	P -56 6153
58	8.6	8.8W	4 6.158	-0.0004	07	-53 17 7.10	-0.034	07	0.18	6.162	15	38.5	6.70	18	38.5	B8	C9	5328	P -52 7001
59	9.7	9.4W	4 8.940	-0.0020	07	-58 58 23.84	-0.051	07	0.14	8.947	14	46.5	23.66	14	46.5	F0	C0	4426	P -58 5370
60	9.2	8.2W	4 11.660	-0.0054	07	-54 1 34.71	-0.035	07	0.18	11.722	15	38.5	34.31	18	38.5	K0	C9	5329	P -53 5877
61	9.3	8.3W	4 12.277	0.0016	07	-56 6 37.71	-0.016	07	0.14	12.271	14	46.5	37.65	14	46.5	+++	C0	4427	P -55 5882
62		8.1T	4 12.582	0.0003	12	-56 39 11.60	0.004	10	0.60	12.567	19	00.4	11.83	18	95.7	B9	GC	19045	P -56 6156
63	9.8	8.7W	4 18.553	-0.0043	09	-53 44 22.63	-0.036	09	0.20	18.602	15	38.5	22.21	18	38.5	K0	C9	5331	P -53 5878
64		7.6T	4 23.508	0.0006	16	-53 27 13.00	0.000	11	0.67	23.480	21	05.4	13.02	19	00.6	F2	GC	19049K	P -53 5880
65		8.6T	4 23.956	-0.0067	17	-53 26 54.49	-0.034	12	0.73	24.263	22	04.1	52.83	19	00.5		GC	19051K	P -53 5880
66	8.7	9.0W	4 29.617	-0.0024	06	-59 37 18.36	0.001	06	0.14	29.625	14	46.5	18.36	14	46.5	B9	C0	4429	P -59 5410
67	9.8E	9.6H	4 31.181	0.0001	12	-50 31 11.55	-0.015	12	0.71	31.176	45	03.3	10.87	45	03.3	K0	CZ	12024	P -50 6621
68	8.7	8.9W	4 33.912	-0.0017	07	-58 24 48.66	-0.029	07	0.14	33.918	14	46.5	48.56	14	46.5	B8	C0	4430	P -58 5372
69	9.1	8.9W	4 36.943	-0.0034	07	-55 23 29.40	-0.014	07	0.18	36.983	15	38.5	29.23	18	38.5	A5	C9	5334	P -55 5886
70	9.6	9.6W	4 54.118	0.0005	15	-55 6 54.82	0.001	15	0.24	54.113	15	38.5	54.83	18	38.5	B8	C9	5335	P -54 5900
71	10.0E	8.7Z	4 55.927	-0.0003	12	-51 20 37.49	-0.020	12	0.81	55.940	63	04.4	36.56	57	04.4	K2	CZ	12029	P -50 6628
72	9.8	9.3W	5 0.167	-0.0169	07	-53 41 27.30	0.061	07	0.18	0.362	15	38.5	28.01	18	38.5	G0	C9	5336	P -53 5883
73	9.1	9.5W	5 3.233	-0.0040	06	-58 42 14.87	-0.003	06	0.14	3.247	14	46.5	14.86	14	46.5	A0	C0	4431	P -58 5379
74	10.3	9.5W	5 3.588	-0.0195	14	-52 3 5.99	0.080	14	0.23	3.812	15	38.5	6.90	18	38.5	K0	C9	5337	P -51 6594
75	8.5	8.8W	5 11.437	0.0001	06	-59 28 48.62	-0.017	06	0.14	11.437	14	46.5	48.56	14	46.5	A0	C0	4432	P -59 5420
76	10.5	9.0W	5 18.415	-0.0014	09	-53 53 13.63	-0.036	09	0.20	18.432	15	38.5	13.21	18	38.5	K2	C9	5339	P -53 5886
77	8.6E	8.5Z	5 23.276	-0.0047	12	-51 18 31.72	-0.004	12	0.81	23.490	63	04.4	31.53	57	04.4	F8	CZ	12038	P -50 6639
78		6.4T	5 23.686	-0.0006	10	-59 2 23.16	-0.015	07	0.42	23.714	17	06.1	22.39	15	00.3	B5	GC	19073	P*-58 5383
79	10.0	8.5W	5 26.812	-0.0043	07	-58 31 34.04	-0.024	07	0.14	26.827	14	46.5	33.96	14	46.5	K5	C0	4434	P -58 5385
80	9.0	9.1W	5 33.499	-0.0003	07	-56 49 46.13	-0.020	07	0.14	33.500	14	46.5	46.06	14	46.5	A0	C0	4435	P -56 6169
81	9.5	9.1W	5 37.073	-0.0048	07	-57 12 22.85	-0.053	07	0.14	37.090	14	46.5	22.66	14	46.5	G0	C0	4436	P -56 6171
82	9.1	8.9W	5 37.529	-0.0085	07	-58 24 22.50	-0.012	07	0.14	37.558	14	46.5	22.46	14	46.5	F8	C0	4437	P -58 5386
83	9.7E	9.3Z	5 42.679	-0.0006	12	-51 37 29.37	-0.014	12	0.81	42.704	63	04.4	28.72	57	04.4	B9	CZ	12040	P -51 6602
84	9.7E	9.1Z	5 44.412	-0.0349	12	-51 41 54.67	-0.170	12	0.81	46.003	63	04.4	46.90	57	04.4	G5	CZ	12041	P -51 6605
85	9.5	8.5W	5 59.841	-0.0021	07	-58 20 12.65	-0.027	07	0.14	59.848	14	46.5	12.56	14	46.5	G5	C0	4438	P -57 6508
86	10.5		6 0.393	0.0018	14	-51 52 48.00	-0.017	14	0.23	0.372	15	38.5	47.80	18	38.5	A2	C9	5343	P -51 6609
87	8.4	8.1W	6 3.254	-0.0060	07	-55 7 31.92	0.019	07	0.18	3.323	15	38.5	32.13	18	38.5	F5	C9	5344	P -54 5908
88	9.5	9.7W	6 4.903	-0.0015	06	-58 22 55.16	-0.000	06	0.14	4.908	14	46.5	55.16	14	46.5	A	C0	4439	P -58 5388
89	10.3		6 12.260	-0.0002	12	-52 57 59.36	0.013	12	0.22	12.262	15	38.5	59.50	18	38.5	F2	C9	5345	P -52 7024
90	9.1	9.4W	6 14.301	-0.0011	06	-59 46 25.39	-0.009	06	0.14	14.305	14	46.5	25.36	14	46.5	B5	C0	4440	P -59 5432
91		6.2T	6 17.048	-0.0051	08	-51 16 6.56	-0.023	06	0.29	17.244	10	11.5	5.57	10	06.9	B9	GC	19089K	C -50 8294
92	9.6	8.6W	6 17.173	0.0008	07	-56 53 6.95	-0.027	07	0.14	17.170	14	46.5	6.86	14	46.5	K0	C0	4441	P -56 6176
93	9.2E	9.1*	6 20.042	-0.0032	12	-50 36 53.04	-0.022	12	0.65	20.195	31	02.0	52.00	28	02.0	A0	CZ	12052	P -50 6655
94		9.2T	6 22.193	-0.0016	22	-51 16 47.34	0.025	22	1.02	22.263	24	06.2	48.46	24	05.4	K2	GC	19093K	C -50 8297
95	9.0E	9.0Z	6 32.027	-0.0020	12	-51 7 45.93	-0.012	12	0.71	32.120	45	03.3	45.35	45	03.3	A2	CZ	12056	P -50 6659
96		4.8T	6 34.227	-0.0160	08	-53 12 6.35	-0.099	06	0.30	34.845	12	11.3	1.88	12	04.7	K0	GC	19099	P*-52 7028
97	10.1		6 47.771	0.0018	09	-59 38 56.64	0.006	09	0.14	47.765	14	46.5	56.66	14	46.5	A0	C0	4442	P -59 5435
98	9.8E	9.0Z	6 54.085	-0.0019	12	-51 42 33.77	-0.007	12	0.81	54.170	63	04.4	33.43	57	04.4	K0	CZ	12061	P -51 6620
99	9.3	9.0W	6 55.031	0.0042	07	-52 38 51.87	-0.014	07	0.18	54.982	15	38.5	51.70	18	38.5	G0	C9	5347	P -52 7032
00	11.2	10.2W	7 4.144	-0.0016	14	-52 0 4.26	-0.031	14	0.23	4.162	15	38.5	3.90	18	38.5	G5	C9	5349	P*-51 6623

241500 — -50° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.3E	9.7Z	14 7 5.764	-0.0004	12	-50 30 20.96	-0.028	12	0.71	5.782	45	03.3	19.67	45	03.3	A0	CZ	12065	P -50 6669
2	9.4E	9.5Z	7 9.046	-0.0004	12	-50 51 0.03	-0.012	12	0.71	9.064	45	03.3	-59.45	45	03.3	A2	CZ	12067	P -50 6671
3	9.4	9.7W	7 17.937	-0.0024	17	-59 59 11.09	0.019	17	0.15	17.945	14	46.5	11.16	14	46.5	B8	CO	4200	P -59 5439
4	10.2E	8.7Z	7 21.186	-0.0008	12	-50 6 44.28	-0.011	12	0.69	21.149	45	05.9	43.78	45	05.9	K2	CZ	12071	P -49 6726
5	8.1E	7.8Z	7 29.761	-0.0034	12	-51 6 54.39	-0.025	12	0.65	29.923	31	02.0	53.17	28	02.0	K0	CZ	12072	P -50 6680
6	9.8	8.3W	7 31.030	0.0006	07	-52 22 15.17	-0.014	07	0.18	31.022	15	38.5	15.00	18	38.5	K2	C9	5352	P -52 7042
7	9.8	9.9W	7 35.150	-0.0025	07	-58 25 32.58	-0.034	07	0.14	35.158	14	46.5	32.46	14	46.5	B9	CO	4444	P -58 5397
8	9.7	8.5W	7 37.019	0.0024	06	-54 39 42.57	0.004	06	0.18	36.992	15	38.5	42.62	18	38.5	K0	C9	5353	P -54 5914
9		8.1T	7 37.372	-0.0031	17	-55 12 44.66	-0.025	13	0.73	37.523	19	04.6	43.45	19	01.3	A2	GC	19116	P -54 5913
10	8.8E	8.0Z	7 38.466	-0.0022	12	-51 49 25.37	-0.023	12	0.65	38.570	31	01.9	24.27	31	01.9	F0	CZ	12079	P -51 6629
11	8.6	8.8W	7 41.417	0.0005	06	-59 32 11.30	-0.011	06	0.14	41.415	14	46.5	11.26	14	46.5	B8	CO	4445	P -59 5443
12	10.3E	9.5Z	7 41.744	-0.0014	12	-50 10 6.37	-0.017	12	0.69	41.804	45	05.9	5.60	45	05.9	F0	CZ	12080	P -49 6728
13	9.9	8.2W	7 51.845	-0.0024	07	-51 58 36.78	-0.024	07	0.18	51.872	15	38.5	36.50	18	38.5	K5	C9	5355	P -51 6633
14	9.2	8.9W	7 52.922	0.0007	07	-56 35 44.05	-0.053	07	0.14	52.920	14	46.5	43.86	14	46.5	F8	CO	4446	P -56 6184
15		7.2T	7 56.097	-0.0052	15	-56 8 50.62	-0.056	11	0.65	56.358	21	05.1	47.85	19	00.2	K0	GC	19123	P -55 5912
16	8.7	8.6W	7 56.165	-0.0040	07	-54 23 48.60	-0.043	07	0.18	56.212	15	38.5	48.11	18	38.5	F0	C9	5357	P -54 5915
17	10.0		7 56.611	-0.0015	09	-59 24 49.24	-0.022	09	0.14	56.617	14	46.5	49.16	14	46.5	A0	CO	4448	P*-59 5444
18	8.7	8.8W	8 1.417	0.0005	06	-59 36 3.44	-0.022	06	0.14	1.416	14	46.5	3.36	14	46.5	A2	CO	4449	P -59 5446
19	8.8	7.4W	8 4.003	-0.0017	06	-52 3 37.37	-0.014	06	0.18	4.022	15	38.5	37.20	18	38.5	K0	C9	5359	P -51 6635
20	9.9	10.0W	8 5.141	-0.0019	14	-53 50 12.90	-0.017	14	0.23	5.162	15	38.5	12.71	18	38.5	A0	C9	5360	P -53 5901
21	9.5	9.3W	8 22.888	-0.0025	07	-59 3 55.78	-0.036	07	0.14	22.896	14	46.5	55.66	14	46.5	F8	CO	4450	P -58 5403
22	9.7	8.1W	8 36.879	-0.0016	06	-59 34 11.64	-0.024	06	0.14	36.885	14	46.5	11.56	14	46.5	K2	CO	4451	P -59 5449
23	10.2	9.0W	8 42.837	-0.0004	09	-56 2 20.93	-0.034	09	0.20	42.841	15	38.5	20.53	18	38.5	K2	C9	5362	P -55 5918
24	9.0E	8.6*	8 49.180	0.0029	12	-50 19 42.97	-0.025	12	0.65	49.043	31	02.0	41.75	28	02.0	F5	CZ	12098	P -49 6756
25	9.5	8.8W	8 49.851	-0.0019	09	-52 8 49.26	0.004	09	0.20	49.872	15	38.5	49.31	18	38.5	G0	C9	5363	P -51 6647
26	9.8	9.6W	8 53.120	-0.0025	13	-57 35 50.50	-0.012	13	0.15	53.129	14	46.5	50.46	14	46.5	B9	CO	4452	P -57 6527
27	9.7	9.6W	8 55.218	-0.0030	09	-54 4 59.66	-0.040	09	0.20	55.252	15	38.5	59.21	18	38.5	A0	C9	5364	P -53 5906
28	9.4	8.3W	8 57.637	0.0004	15	-54 51 51.02	0.017	15	0.24	57.632	15	38.5	51.22	18	38.5	K0	C9	5365	P -54 5920
29	9.4	8.5W	8 59.705	-0.0007	07	-53 25 33.51	-0.026	07	0.18	59.712	15	38.5	33.20	18	38.5	G5	C9	5366	P -53 5907
30		8.3T	9 9.485	-0.0020	12	-55 14 37.88	-0.033	08	0.56	9.592	21	03.2	36.12	19	96.3	K0	GC	19146K	P -54 5921
31		7.6T	9 11.947	0.0037	12	-58 4 59.05	0.039	11	0.60	11.765	19	03.4	+ 0.97	19	00.4	F8	GC	19148	P -57 6530
32	8.4	8.2W	9 13.795	-0.0004	06	-59 9 19.17	-0.005	06	0.14	13.796	14	46.5	19.16	14	46.5	F0	CO	4454	P -58 5411
33	9.5E	9.5Z	9 31.503	-0.0034	12	-50 59 1.78	0.001	12	0.66	31.661	36	03.4	1.81	36	03.4	A0	CZ	12104	P -50 6702
34	9.2	9.3W	9 34.013	0.0009	07	-55 5 54.01	-0.006	07	0.18	34.003	15	38.5	53.94	18	38.5	B8	C9	5368	P -54 5925
35	9.7	8.0W	9 35.692	0.0001	08	-53 37 26.88	-0.007	08	0.19	35.692	15	38.5	26.81	18	38.5	MA	C9	5369	P -53 5910
36	11.0		9 38.290	0.0007	14	-52 1 52.21	-0.018	14	0.23	38.282	15	38.5	52.00	18	38.5	A2	C9	5370	P*-51 6661
37	10.0	8.9W	9 38.468	-0.0026	07	-59 8 18.26	-0.029	07	0.14	38.477	14	46.5	18.16	14	46.5	K2	CO	4455	P -58 5416
38		9.7W	9 40.265	-0.0038	07	-58 2 52.02	-0.044	07	0.14	40.278	14	46.5	51.86	14	46.5	A0	CO	4456	P -57 6536
39	10.0E	9.6Z	9 41.743	-0.0032	12	-50 46 26.74	-0.033	12	0.71	41.890	45	03.9	25.21	45	03.9	F2	CZ	12106	P -50 6705
40	10.0	9.7W	9 46.402	-0.0018	09	-55 15 31.13	-0.034	09	0.20	46.423	15	38.5	30.73	18	38.5	A3	C9	5371	P -54 5929
41	10.0	9.9W	9 48.404	-0.0006	09	-55 44 50.28	-0.021	09	0.20	48.411	15	38.5	50.03	18	38.5	A2	C9	5372	P -55 5924
42	9.4	9.1W	9 52.080	-0.0027	15	-54 39 5.53	-0.027	15	0.24	52.112	15	38.5	5.22	18	38.5	F0	C9	5374	P -54 5930
43		5.5T	9 53.575	-0.0010	07	-53 25 54.62	-0.021	05	0.30	53.615	12	09.5	53.64	12	02.3	+++	GC	19162	P*-53 5912
44	10.2E	9.7Z	9 56.135	-0.0039	12	-51 23 49.47	-0.015	12	0.81	56.313	63	04.4	48.77	57	04.4	F5	CZ	12108	P -51 6666
45	10.0	8.9W	10 3.431	-0.0017	07	-58 38 54.83	-0.019	07	0.14	3.437	14	46.5	54.76	14	46.5	G5	CO	4457	P -58 5418
46	8.2	8.4W	10 6.851	-0.0017	07	-59 7 48.35	0.002	07	0.14	6.857	14	46.5	48.36	14	46.5	A0	CO	4458	P -58 5420
47	9.2	9.0W	10 8.266	-0.0007	06	-58 29 49.63	-0.020	06	0.14	8.268	14	46.5	49.56	14	46.5	F0	CO	4459	P -58 5421
48	9.8	9.4W	10 8.981	0.0016	07	-52 24 18.60	-0.008	07	0.18	8.962	15	38.5	18.50	18	38.5	F8	C9	5377	P -52 7069
49	9.9E	9.6Z	10 10.067	-0.0019	12	-51 26 27.40	-0.001	12	0.81	10.154	63	04.4	27.33	57	04.4	A0	CZ	12112	P -51 6668
50	10.3	10.0W	10 12.008	0.0007	13	-59 59 32.32	-0.016	13	0.15	12.005	14	46.5	32.26	14	46.5	A5	O CO	4460	P -59 5460
51	9.3	8.2W	14 10 13.078	-0.0000	06	-58 27 6.26	0.000	06	0.14	13.078	14	46.5	6.26	14	46.5	K0	CO	4461	P -58 5422
52		6.2T	10 15.197	-0.0018	13	-54 23 31.03	-0.018	11	0.61	15.279	21	04.3	30.15	19	99.7	B9	GC	19169	P -54 5933
53	10.1E	9.7*	10 22.488	-0.0031	12	-51 19 36.22	0.022	12	0.65	22.636	31	01.9	37.26	31	01.9	G0	CZ	12116	P -50 6715
54	10.1E	9.3Z	10 30.771	-0.0020	12	-50 39 39.90	-0.026	12	0.71	30.863	45	03.9	38.72	45	03.9	K0	CZ	12119	P -50 6718
55		8.4T	10 37.042	-0.0025	16	-55 49 46.99	-0.016	12	0.70	37.167	21	04.4	46.21	19	00.3	A2	GC	19176	P -55 5935
56			10 43.661	-0.0019	07	-53 41 55.44	-0.002	07	0.18	43.682	15	38.5	55.41	18	38.5	NB	C9	5380V	P*-53 5915
57	10.9		10 50.644	0.0001	14	-52 1 48.81	-0.009	14	0.23	50.642	15	38.5	48.70	18	38.5	B9	C9	5381	P -51 6678
58		7.3T	10 52.346	-0.0015	10	-50 55 44.80	-0.016	07	0.40	52.408	15	08.4	44.09	15	05.2	G5	GC	19182	C -50 8360
59	8.8	8.6W	11 2.081	-0.0021	13	-58 10 5.93	-0.049	13	0.15	2.089	14	46.5	5.76	14	46.5	F2	CO	4462	P -57 6550
60	10.2E	9.5Z	11 9.948	-0.0004	12	-50 27 56.81	-0.017	12	0.71	9.969	45	03.9	56.00	45	03.9	K0	CZ	12130	P -50 6733
61	9.2E	9.5Z	11 19.807	-0.0017	12	-50 39 57.46	-0.010	12	0.71	19.885	45	03.9	57.02	45	03.9	B9	CZ	12134	P -50 6735
62	8.5	8.4W	11 21.076	-0.0074	07	-55 43 34.84	-0.035	07	0.18	21.162	15	38.5	34.43	18	38.5	F2	C9	5383	P -55 5944
63		5.2T	11 27.023	-0.0042	08	-56 51 10.84	-0.013	05	0.30	27.222	14	10.7	10.24	12	02.7	B3P	GC	19199K	P*-56 6206
64	9.7	9.8W	11 39.368	0.0003	06	-58 35 14.21	-0.014	06	0.14	39.367	14	46.5	14.16	14	46.5	B9	CO	4464	P -58 5430
65	8.3	8.5W	11 42.223	-0.0010	06	-58 32 52.22	-0.015	06	0.14	42.227	14	46.5	52.16	14	46.5	B8	CO	4465	P -58 5431
66	9.6	9.4W	11 43.151	-0.0050	13	-58 18 39.37	-0.002	13	0.15	43.168	14	46.5	39.36	14	46.5	F2	CO	4466	P -57 6558
67	10.1	9.8W	11 50.502	-0.0019	12	-58 22 10.53	-0.019	12	0.15	50.508	14	46.5	10.46	14	46.5	F0	CO	4467	P -58 5433
68	9.7E	9.8Z	11 53.924	0.0005	12	-51 27 2.58	-0.019	12	0.81	53.900	63	04.4	1.70	57	04.4	A3	CZ	12141	P -51 6703
69		6.3T	11 58.044	-0.0030	14	-53 16 38.33	-0.001	11	0.63	58.182	19	03.8	38.30	19	98.4	K2	GC	19216	P -52 7087
70	9.8E	9.5Z	12 9.491	-0.0011	12	-50 38 0.56	0.002	12	0.71	9.542	45	03.9	0.67	45	03.9	A2	CZ	12146	P -50 6760
71	9.4	8.3W	12 10.549	-0.0003	07	-53 7 28.72	-0.027	07	0.18	10.552	15	38.5	28.40	18	38.5	K0	C9	5385	P -52 7089
72	10.0E	9.3*	12 11.280	-0.0005	12	-50 8 42.77	-0.012	12	0.62	11.301	31	04.1	42.19	28	04.1	A0	CZ	12147	P -49 6805
73	10.0	8.3W	12 16.608	0.0005	15	-52 44 8.06	-0.022	15	0.24	16.602	15	38.5	7.80	18	38.5	K5	C9	5386	P -52 7090
74	10.0		12 18.268	-0.0004	09	-53 54 33.84	0.006	09	0.20	18.272	15	38.5	33.91	18	38.5	A0	C9	5387	P -53 5926
75	10.3	9.1W	12 22.576	-0.0022	07	-54 58 36.32	-0.026	07	0.18	22.602	15	38.5	36.02	18	38.5	K2	C9	5388	P -54 5939
76	10.2	10.0W	12 24.054	-0.0016	15	-52 29 55.95	-0.004	15	0.24	24.072	15	38.5	55.91	18	38.5	F0	C9	5389	P -52 7091
77	9.8E	9.0Z	12 27.028	0.0011	12	-51 17 37.80	-0.048	12	0.81	26.977	63	04.4	35.60	57	04.4	G5	CZ	12149	P -50 6765
78	9.7E	9.5Z	12 37.248	-0.0028	12	-51 45 56.26	-0.024	12	0.65	37.381	31	01.9	55.12	31	01.9	A0	CZ	12152	P -51 6712
79	9.0	8.9W	12 52.970	-0.0027	15	-53 35 5.76	-0.005	15	0.24	53.002	15	38.5	5.71	18	38.5	F0	C9	5391	P -53 5930
80		5.3I	12 56.901	-0.0018	09	-59 40 55.23	-0.022	09	0.37	56.974	12	11.7	54.35	12	09.4	M4E	GC	19234DV	P*-59 5476
81	10.3		12 57.988	-0.0021	07	-53 11 31.12	-0.036	07	0.18	58.012	15	38.5	30.70	18	38.5	A	C9	5393	P -52 7103
82	9.5	7.8W	12 58.961	-0.0071	07	-53 5 41.18	-0.041	07	0.18	59.042	15	38.5	40.71	18	38.5	K5	C9	5394	P -52 7104
83		7.2T	13 0.751	-0.0036	14	-57 3 56.33	-0.020	10	0.63	0.944	21	03.1	55.28	19	96.8	A0	GC	19235K	P -56 6215
84	10.1	9.6W	13 3.903	-0.0043	14	-52 11 6.03	-0.063	14	0.23	3.952	15	38.5	5.31	18	38.5	G0	C9	5396	P -51 6721
85		7.6T	13 7.579	0.0016	14	-58 5 36.78	-0.017	11	0.61	7.504	18	05.8	35.95	17	02.1	K0	GC	19236	P -57 6570
86	9.9E	9.8Z	13 9.861	0.0028	12	-51 16 24.98	0.001	12	0.81	9.732	63	04.4	25.01	57	04.4	F8	CZ	12160	P -50 6780
87		7.2I	13 24.877	-0.0083	13	-57 37 22.09	-0.039	11	0.60	25.274	19	04.8	20.21	18	02.3	F2	GC	19246V	P*-57 6572
88	10.0	9.8W	13 26.584	0.0002	15	-55 51 32.16	-0.089	15	0.24	26.581	15	38.5	31.13	18	38.5	A0	C9	5397	P -55 5959
89	9.9E	10.0Z	13 30.071	0.0007	12	-51 10 56.80	-0.019	12	0.71	30.038	45	03.9	55.91	45	03.9	A0	CZ	12163	P -50 6786
90	10.1	9.6W	13 33.781	-0.0035	08	-53 41 54.08	-0.024	08	0.19	33.822	15	38.5	53.81	18	38.5	G0	C9	5398	P -53 5933
91	8.6	8.6W	13 38.130	-0.0020	07	-55 17 25.16	-0.028	07	0.18	38.153	15	38.5	24.83	18	38.5	A3	C9	5399	P -54 5944
92	9.9	9.5W	13 38.901	-0.0019	07	-53 36 55.95	-0.004	07	0.18	38.922	15	38.5	55.91	18	38.5	A5	C9	5400	P -53 5934
93	8.7E	8.5Z	13 40.322	-0.0238	12	-50 2 59.66	-0.021	12	0.68	41.354	45	06.5	58.73	45	06.5	F8	CZ	12168	P -49 6837
94	9.6E	9.5Z	13 43.868	-0.0012	12	-51 31 5.16	-0.006	12	0.81	43.921	63	04.4	4.87	57	04.4	A2	CZ	12169	P -51 6732
95		6.9T	13 56.995	-0.0036	13	-55 32 3.01	-0.012	10	0.59	57.180	21	04.4	2.41	19	99.0	B9	GC	19256	P*-55 5964
96	9.5	9.7W	14 9.980	-0.0023	09	-58 18 31.85	0.002	09	0.14	9.988	14	46.5	31.86	14	46.5	B9	CO	4472	P -57 6579
97	9.6	8.8W	14 22.499	0.0026	06	-56 36 23.68	-0.036	06	0.14	22.490	14	46.5	23.56	14	46.5	G5	CO	4473	P -56 6224
98	8.6	8.5W	14 23.350	0.0059	06	-56 48 35.07	-0.031	06	0.14	23.330	14	46.5	34.96	14	46.5	A5	CO	4474	P -56 6225
99	9.4	9.5W	14 24.699	-0.0091	13	-56 9 38.49	0.016	13	0.15	24.731	14	46.5	38.55	14	46.5	A2	CO	4475	P -55 5970
00	9.0	8.9W	14 27.869	-0.0002	07	-54 14 27.36	0.013	07	0.18	27.872	15	38.5	27.51	18	38.5	A2	C9	5404	P -53 5936

241600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 14H DM NUMBER
1	11.1	10.0W	14 14 28.183	0.0013	14	-57 58 59.70	-0.012	14	0.15	28.179	14	46.5	59.66	14	46.5	G ○	C0	4476	P -57 6582
2	9.4	9.2W	14 29.639	-0.0112	07	-57 35 48.08	-0.036	07	0.14	29.679	14	46.5	47.96	14	46.5	F2	C0	4477	P -57 6583
3	9.6	9.8W	14 29.768	-0.0001	06	-58 14 14.94	-0.024	06	0.14	29.769	14	46.5	14.86	14	46.5	A0	C0	4478	P -57 6581
4	9.3	8.7W	14 31.868	-0.0022	07	-52 22 2.69	-0.051	07	0.18	31.842	15	38.5	2.10	18	38.5	G5	C9	5405	P -52 7120
5		8.2T	14 34.003	-0.0020	15	-56 56 35.38	-0.017	11	0.65	34.104	21	05.0	34.55	19	00.4	B8	GC	19276	P -56 6226
6	10.1	10.0W	14 36.069	-0.0012	14	-53 2 28.68	-0.032	14	0.23	36.082	15	38.5	28.30	18	38.5	A2	C9	5406	P -52 7121
7	9.5E	9.0Z	14 38.217	-0.0010	12	-51 17 15.75	-0.005	12	0.81	38.263	63	04.4	15.50	57	04.4	A0	CZ	12178	P -50 6800
8	10.0	10.1W	14 47.158	-0.0000	13	-57 42 15.94	0.005	13	0.15	47.159	14	46.5	15.96	14	46.5	B8	C0	4480	P -57 6585
9	7.7E	8.0Z	14 51.237	-0.0016	12	-51 16 24.01	0.006	12	0.65	51.314	31	01.9	24.29	31	01.9	B0	CZ	12181	P -50 6805
10	9.8	10.0W	14 51.869	-0.0046	07	-59 59 12.94	-0.022	07	0.14	51.885	14	46.5	12.86	14	46.5	A0	C0	4248	P -59 5489
11	9.6	9.8W	14 53.728	-0.0026	07	-59 24 30.78	-0.005	07	0.14	53.737	14	46.5	30.76	14	46.5	A0 ○	C0	4482	P -59 5491
12	8.3	8.5W	14 58.800	-0.0019	07	-54 5 31.42	-0.019	07	0.18	58.822	15	38.5	31.21	18	38.5	B8	C9	5408	P -53 5938
13	9.6	9.6W	15 2.228	-0.0047	07	-52 41 31.76	-0.013	07	0.18	2.282	15	38.5	31.60	18	38.5	A2	C9	5409	P -52 7124
14	10.6		15 2.415	-0.0024	14	-53 8 53.24	-0.029	14	0.23	2.442	15	38.5	52.90	18	38.5	A5	C9	5410	P -52 7123
15		7.7T	15 5.016	-0.0013	13	-53 53 55.02	-0.029	09	0.61	5.080	21	01.3	53.45	18	95.1	K0	GC	19285	P -53 5940
16	9.5E	9.3*	15 5.408	-0.0012	12	-50 29 26.08	-0.001	12	0.62	5.466	28	02.7	26.01	26	02.7	A0	CZ	12185	P -50 6807
17	9.6E	9.0Z	15 7.804	-0.0014	12	-50 40 8.45	-0.010	12	0.66	7.869	36	03.8	8.01	36	03.8	A2	CZ	12186	P -50 6809
18	9.5	9.6W	15 8.759	0.0001	11	-57 48 7.40	-0.012	11	0.15	8.759	14	46.5	7.36	14	46.5	A0	C0	4483	P -57 6587
19	9.2	8.1W	15 14.826	-0.0012	07	-56 32 12.44	-0.022	07	0.14	14.830	14	46.5	12.36	14	46.5	K0	C0	4484	P -56 6233
20		7.4T	15 15.584	-0.0041	14	-58 27 22.22	-0.015	11	0.62	15.790	21	05.0	21.46	19	00.2	B9	GC	19288K	P*-58 5464
21	7.8	7.9W	15 17.754	0.0022	06	-56 44 31.40	-0.039	06	0.14	17.747	14	46.5	31.26	14	46.5	F0	C0	4486	P -58 5465
22	8.2	8.1W	15 20.217	-0.0057	07	-52 0 24.97	-0.014	07	0.18	20.282	15	38.5	24.80	18	38.5	F0	C9	5412	P -51 6750
23	9.0	8.6W	15 20.267	-0.0037	07	-56 45 1.90	-0.041	07	0.14	20.280	14	46.5	1.76	14	46.5	F5	C0	4487	P -56 6235
24	9.6	9.7W	15 23.219	-0.0023	07	-58 33 44.73	-0.020	07	0.14	23.227	14	46.5	44.66	14	46.5	B9	C0	4488	P*-58 5466
25	8.9	8.9W	15 29.412	0.0027	07	-54 14 9.59	0.010	07	0.18	29.382	15	38.5	9.71	18	38.5	F0	C9	5413	P -53 5942
26	9.0E	9.2H	15 29.434	-0.0053	12	-50 20 7.82	-0.010	12	0.66	29.681	36	03.8	7.34	36	03.8	G0	CZ	12191	P -49 6873
27		6.7T	15 30.417	-0.0606	13	-59 8 17.18	-0.829	10	0.58	33.481	18	03.1	35.27	15	99.4	K0	GC	19292	P*-58 5467
28	8.3	8.5W	15 38.108	-0.0004	06	-56 41 30.12	-0.015	06	0.14	38.110	14	46.5	30.06	14	46.5	B8	C0	4490	P -56 6237
29		7.3T	15 39.806	-0.0027	14	-55 39 7.96	-0.011	11	0.63	39.942	21	04.5	7.42	19	99.8	B9	GC	19294	P -55 5976
30	9.5	7.8W	15 40.955	-0.0013	06	-57 11 32.31	-0.042	06	0.14	40.960	14	46.5	32.16	14	46.5	K2	C0	4491	P -56 6238
31	8.1E	9.0Z	15 50.588	0.0003	12	-50 47 28.91	-0.015	12	0.71	50.573	45	03.5	28.20	45	03.5	A2	CZ	12193	P -50 6820
32	9.7	10.0W	15 53.902	-0.0017	07	-54 56 41.14	0.007	07	0.18	53.922	15	38.5	41.22	18	38.5	B9	C9	5417	P -54 5956
33	7.8	8.1W	15 55.485	-0.0000	06	-59 31 22.12	-0.018	06	0.14	55.485	14	46.5	22.06	14	46.5	A0	C0	4492	P -59 5501
34	9.5E	8.5Z	16 5.188	0.0006	12	-50 58 49.99	-0.012	12	0.71	5.160	45	03.5	49.42	45	03.5	K2	CZ	12197	P -50 6824
35		8.2T	16 22.484	-0.0048	15	-56 55 40.97	-0.021	11	0.66	22.726	22	04.7	39.93	19	99.9	B9	GC	19310	P -56 6241
36	9.7	9.5W	16 23.927	0.0021	13	-57 10 48.25	0.002	13	0.15	23.920	14	46.5	48.26	14	46.5	A0	C0	4494	P -56 6242
37	9.8	9.9W	16 27.037	-0.0003	12	-57 39 10.90	-0.012	12	0.15	27.039	14	46.5	10.86	14	46.5	B8	C0	4495	P -57 6598
38	10.1	9.1W	16 29.236	0.0012	07	-53 10 26.38	-0.015	07	0.18	29.222	15	38.5	26.20	18	38.5	K0	C9	5421	P -52 7148
39	9.1	8.4W	16 43.469	0.0036	07	-58 58 7.69	-0.039	07	0.14	43.457	14	46.5	7.56	14	46.5	G5	C0	4496	P -58 5481
40		7.2T	16 44.985	-0.0060	14	-55 33 44.51	0.042	10	0.63	45.298	21	03.8	46.71	19	97.9	G5	GC	19315	P*-55 5983
41		4.4H	16 48.924	-0.0017	03	-56 9 26.52	-0.018	03	0.11	48.973	06	20.1	25.95	06	18.1	B5	F4	529	P -55 5984
42	9.1	8.5W	16 51.755	-0.0009	06	-57 45 16.82	-0.019	06	0.14	51.759	14	46.5	16.76	14	46.5	G0	C0	4498	P -57 6602
43	10.3	10.1W	16 53.280	-0.0011	12	-53 20 14.78	-0.006	12	0.22	53.292	15	38.5	14.70	18	38.5	A0	C9	5423	P -52 7150
44	9.0	9.4W	16 54.529	-0.0022	07	-59 13 4.60	-0.012	07	0.14	54.537	14	46.5	4.56	14	46.5	B9	C0	4499	P -58 5484
45		7.9T	16 59.193	-0.0008	14	-58 17 13.44	-0.017	11	0.61	59.234	21	05.5	12.59	18	00.9	B8	GC	19325	P -57 6603
46	9.8	9.9W	17 3.442	-0.0013	07	-58 55 13.64	-0.022	07	0.14	3.447	14	46.5	13.56	14	46.5	A ○	C0	4501	P -58 5488
47	8.9	9.1W	17 7.760	-0.0063	07	-52 48 43.15	-0.030	07	0.18	7.832	15	38.5	42.80	18	38.5	B9	C9	5424	P -52 7152
48	8.3	8.6W	17 13.993	-0.0012	06	-58 40 45.79	-0.010	06	0.14	13.997	14	46.5	45.76	14	46.5	B9	C0	4502	P -58 5490
49	9.8		17 14.035	0.0037	15	-55 2 32.05	-0.001	15	0.24	13.993	15	38.5	32.04	18	38.5	A0	C9	5425	P -54 5965
50	9.3	9.2W	17 17.375	-0.0014	07	-55 39 4.99	-0.031	07	0.18	17.391	15	38.5	4.63	18	38.5	A3	C9	5426	P -55 5987
51	7.6	7.4W	14 17 19.294	0.0045	07	-52 5 48.03	-0.046	07	0.18	19.242	15	38.5	47.50	18	38.5	F5	C9	5427	P -51 6778
52	9.9E	9.6Z	17 25.391	-0.0020	12	-50 21 46.60	-0.026	12	0.71	25.487	45	03.5	45.37	45	03.5	F8	CZ	12207	P -50 6844
53	8.4	8.4W	17 36.395	-0.0050	07	-55 18 4.08	-0.030	07	0.18	36.453	15	38.5	3.73	18	38.5	F2	C9	5428	P -54 5967
54	10.4	9.4W	17 43.017	-0.0056	09	-53 47 44.17	-0.032	09	0.20	43.082	15	38.5	43.81	18	38.5	G0	C9	5429	P -53 5952
55	9.2E	9.0Z	17 47.229	-0.0013	12	-50 37 6.55	-0.032	12	0.71	47.289	45	03.5	5.08	45	03.5	F0	CZ	12216	P -50 6850
56	9.0	8.9W	17 49.641	0.0005	06	-56 44 11.13	-0.019	06	0.14	49.640	14	46.5	11.06	14	46.5	B8	C0	4503	P -56 6250
57	8.5	8.7W	17 58.140	-0.0011	07	-52 5 35.45	-0.012	07	0.18	58.152	15	38.5	35.30	18	38.5	B9	C9	5430	P -51 6781
58	9.1	9.3W	17 59.459	0.0006	07	-54 52 27.80	-0.033	07	0.18	59.452	15	38.5	27.42	18	38.5	A2	C9	5431	P -54 5969
59	9.6	8.6W	17 59.696	-0.0013	07	-56 24 22.83	-0.023	07	0.14	59.701	14	46.5	22.75	14	46.5	+++	C0	4504	P -56 6251
60	9.2	9.5W	18 2.121	-0.0016	07	-58 35 39.71	-0.015	07	0.14	2.127	14	46.5	39.66	14	46.5	B9	C0	4505	P -58 5495
61	9.7	9.3W	18 2.906	-0.0100	07	-55 35 15.13	-0.061	07	0.18	3.022	15	38.5	14.43	18	38.5	G5	C9	5432	P -55 5995
62	8.3E	7.5Z	18 6.509	0.0003	12	-51 47 13.01	-0.014	12	0.66	6.493	31	01.4	12.35	31	01.4	K0	CZ	12222	P -51 6782
63	9.1	9.2W	18 9.142	-0.0026	07	-52 38 16.12	-0.001	07	0.18	9.172	15	38.5	16.10	18	38.5	B8	C9	5433	P -52 7164
64	9.5	9.2W	18 11.611	-0.0027	06	-52 27 13.12	-0.019	06	0.18	11.642	15	38.5	12.90	18	38.5	A5	C9	5434	P -52 7165
65	10.0	10.1W	18 14.151	0.0013	12	-58 45 26.42	-0.015	12	0.15	14.147	14	46.5	26.36	14	46.5	B9	C0	4506	P -58 5496
66	8.5	8.8W	18 19.446	-0.0002	07	-58 43 18.36	-0.029	07	0.14	19.447	14	46.5	18.26	14	46.5	B9	C0	4507	P -58 5497
67	9.0E	8.5Z	18 25.390	0.0031	12	-50 55 27.01	-0.001	12	0.64	25.241	31	02.1	26.94	28	02.1	K0	CZ	12227	P -50 6859
68	9.1	8.8W	18 26.527	-0.0005	08	-52 52 33.83	-0.002	08	0.19	26.532	15	38.5	33.80	18	38.5	F8	C9	5435	P -52 7173
69		7.5T	18 27.400	-0.0015	12	-58 3 47.93	-0.008	09	0.49	27.470	18	09.0	47.55	17	04.4	B3	GC	19346	P -57 6616
70	9.6	9.8W	18 29.692	-0.0070	08	-52 46 13.17	-0.014	08	0.19	29.772	15	38.5	13.00	18	38.5	A0	C9	5436	P -52 7174
71	9.6E	9.0Z	18 31.633	0.0001	12	-50 42 43.53	-0.021	12	0.71	31.628	45	03.5	42.58	45	03.5	A0	CZ	12232	P -50 6860
72	9.9	9.7W	18 44.243	-0.0025	07	-53 31 55.94	0.006	07	0.18	44.272	15	38.5	56.01	18	38.5	A3	C9	5437	P -53 5956
73		5.1T	19 1.033	-0.0059	08	-58 13 55.17	0.009	06	0.32	1.292	12	10.6	55.55	12	06.3	G0	GC	19361K	P -57 6619
74		7.0T	19 1.508	-0.0046	15	-58 14 4.29	0.009	11	0.66	1.740	19	03.2	4.72	18	00.0		GC	19362K	P -57 6619
75	9.8	9.9W	19 8.368	-0.0046	07	-54 53 31.74	0.016	07	0.18	8.422	15	38.5	31.92	18	38.5	B8	C9	5438	P -54 5973
76	10.5		19 11.183	-0.0008	14	-52 11 24.49	-0.016	14	0.23	11.192	15	38.5	24.30	18	38.5	A2	C9	5439	P*-51 6793
77		7.4T	19 13.837	-0.0008	13	-55 12 12.70	-0.004	08	0.52	13.879	17	07.4	12.50	18	97.3	B9	GC	19364	P -54 5975
78	10.5	9.4W	19 17.380	-0.0037	09	-52 43 37.58	-0.050	09	0.20	17.422	15	38.5	37.00	18	38.5	K5	C9	5441	P -52 7183
79		8.2T	19 21.535	-0.0013	20	-55 44 5.06	-0.002	15	0.79	21.595	22	07.7	4.98	22	05.4	M8	GC	19366	P -55 6001
80	9.9	9.9W	19 27.823	-0.0025	07	-54 57 36.03	-0.001	07	0.18	27.852	15	38.5	36.02	18	38.5	B9	C9	5444	P -54 5977
81	10.1E	9.8Z	19 38.430	0.0026	12	-50 35 11.41	-0.015	12	0.71	38.308	45	03.5	10.74	45	03.5	F8	CZ	12245	P -50 6873
82	9.8E	9.5Z	19 44.712	0.0012	12	-51 32 50.79	-0.023	12	0.82	44.654	63	03.4	49.70	57	03.4	F8	CZ	12246	P -51 6801
83	9.6	9.0W	19 57.128	-0.0133	15	-56 5 49.78	-0.100	15	0.24	57.281	15	38.5	48.63	18	38.5	G5	C9	5445	P -55 6004
84		8.5T	19 57.454	-0.0012	15	-56 18 23.89	-0.027	13	0.67	57.510	21	05.3	22.67	21	04.5	A2	GC	19378	P -55 6003
85	9.3	8.3W	19 58.600	-0.0046	07	-52 33 16.34	-0.020	07	0.18	58.652	15	38.5	16.10	18	38.5	K0	C9	5446	P -52 7190
86		6.0T	19 59.288	-0.0015	10	-50 32 42.99	-0.012	08	0.41	59.351	15	07.6	42.45	14	03.9	K0	GC	19379	C -50 8501
87	9.1	7.7W	20 2.293	-0.0034	05	-59 59 8.90	-0.011	05	0.14	2.305	14	46.5	8.86	14	46.5	K2	C0	4512	P -59 5537
88	10.3E	9.0Z	20 4.468	-0.0019	12	-51 42 22.05	-0.014	12	0.82	4.554	63	03.4	21.38	57	03.4	K5	CZ	12254	P -51 6806
89	9.1	9.3W	20 11.573	-0.0015	06	-57 54 54.86	-0.027	06	0.14	11.579	14	46.5	54.76	14	46.5	B8	C0	4513	P -57 6625
90	9.5	9.2W	20 12.810	-0.0019	07	-59 11 25.76	0.000	07	0.14	12.817	14	46.5	25.76	14	46.5	B	C0	4514	P -58 5515
91		5.9T	20 23.370	-0.0076	12	-52 56 58.64	-0.027	12	0.62	23.731	21	02.3	57.32	19	00.4	K0	GC	19392	P -52 7195
92	9.5E	9.4H	20 35.841	-0.0027	12	-50 16 21.58	-0.026	12	0.71	35.969	45	03.5	20.35	45	03.5	G0	CZ	12265	P -49 6941
93	10.0	10.0W	20 36.564	-0.0050	09	-55 43 27.09	-0.022	09	0.20	36.621	15	38.5	26.83	18	38.5	A2	C9	5449	P -55 6006
94	9.7	9.5W	20 41.224	-0.0033	07	-53 49 42.41	-0.026	07	0.18	41.262	15	38.5	42.11	18	38.5	F0	C9	5450	P -53 5962
95	8.7	8.9W	20 47.986	-0.0040	07	-52 11 46.88	-0.024	07	0.18	48.032	15	38.5	46.61	18	38.5	A0	C9	5451	P -51 6818
96	8.5	8.5W	21 1.863	-0.0008	06	-55 8 28.76	-0.020	06	0.18	1.873	15	38.5	28.53	18	38.5	A0	C9	5452	P -54 5983
97	9.8	9.8W	21 5.926	0.0026	12	-58 37 37.24	0.005	12	0.15	5.917	14	46.5	37.26	14	46.5	A2	C0	4515	P -58 5519
98	9.7	9.9W	21 11.312	-0.0013	07	-59 2 18.52	0.012	07	0.14	11.317	14	46.5	18.56	14	46.5	B9	C0	4516	P -58 5520
99	9.2E	9.0Z	21 12.664	-0.0014	12	-58 37 9.83	-0.028	12	0.67	12.729	36	03.1	8.53	36	03.1	F0	CZ	12276	P -50 6892
00	8.4	8.7W	21 28.399	-0.0002	07	-54 19 53.91	-0.026	07	0.18	28.402	15	38.5	53.61	18	38.5	B5	C9	5454	P -53 5966

241700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 14H DM NUMBER
1	10.0	9.7W	14 21 29.958	-0.0030	13	-58 22 19.55	-0.002	13	0.15	29.968	14	46.5	19.56	14	46.5	A5	CD	4517	P -58 5523
2		7.0T	21 53.228	-0.0027	12	-54 47 32.85	-0.040	09	0.18	53.355	21	02.3	30.75	18	96.8	G5	GC	19434	P -54 5990
3	8.9	9.2W	21 53.392	-0.0025	07	-54 21 28.39	-0.016	07	0.18	53.422	15	38.5	28.21	18	38.5	B5	C9	5457	P -54 5991
4	9.6	9.3W	22 2.185	-0.0102	07	-53 14 21.10	-0.043	07	0.18	2.302	15	38.5	20.61	18	38.5	G0	C9	5458	P -52 7212
5	10.3E	9.4*	22 7.217	-0.0024	12	-51 16 35.21	-0.019	12	0.66	7.333	31	01.4	34.28	31	01.4	F8	CZ	12287	P -50 6902
6	9.5	9.7W	22 16.832	-0.0014	07	-58 36 23.72	-0.017	07	0.14	16.837	14	46.5	23.66	14	46.5	A0	CD	4518	P -58 5529
7	9.8	9.5W	22 17.284	-0.0041	07	-54 54 7.18	0.003	07	0.18	17.332	15	38.5	7.22	18	38.5	G0	C9	5460	P -54 5996
8	7.7	8.1W	22 17.392	0.0000	06	-53 13 43.61	-0.000	06	0.18	17.392	15	38.5	43.61	18	38.5	B9	C9	5461	P -52 7213
9		7.8T	22 17.473	-0.0006	17	-56 41 50.86	0.007	12	0.70	17.503	21	05.6	51.22	19	00.6	K2	GC	19441	P -56 6267
10	10.4		22 26.457	-0.0013	14	-52 0 32.23	-0.037	14	0.23	26.472	15	38.5	31.80	18	38.5	A3	C9	5463	P -51 6841
11	9.1	9.2W	22 27.572	0.0005	06	-56 38 3.18	-0.007	06	0.14	27.570	14	46.5	3.16	14	46.5	B9	CD	4520	P -56 6269
12	10.1		22 42.865	-0.0050	09	-53 5 56.67	-0.040	09	0.20	42.922	15	38.5	56.21	18	38.5	A0	C9	5467	P -52 7223
13	9.7	7.9W	22 51.934	0.0010	07	-55 2 3.18	-0.012	07	0.18	51.923	15	38.5	3.04	18	38.5	K5	C9	5469	P -54 6003
14		7.0T	23 18.806	-0.0030	11	-59 0 48.49	-0.027	09	0.53	18.956	19	03.4	47.14	18	99.2	K0	GC	19461	P -58 5538
15	9.4E	9.0Z	23 20.905	-0.0005	12	-50 8 23.33	-0.020	12	0.72	20.927	45	02.4	22.36	45	02.4	A0	CZ	12304	P -49 6973
16	9.5E	9.2H	23 21.005	-0.0001	12	-50 26 4.31	-0.017	12	0.65	21.011	31	01.7	3.47	28	01.7	F0	CZ	12303	P -50 6919
17	8.2	8.2W	23 22.846	-0.0022	06	-54 59 59.44	-0.028	06	0.18	22.872	15	38.5	59.12	18	38.5	A2	C9	5470	P -54 6005
18	9.5	9.8W	23 23.168	0.0004	13	-58 57 43.59	-0.008	13	0.15	23.167	14	46.5	43.56	14	46.5	A	CD	4522	P -58 5539
19	8.5	8.4W	23 25.009	0.0024	06	-53 42 54.87	0.003	06	0.18	24.982	15	38.5	54.91	18	38.5	F5	C9	5471	P -53 5983
20	8.3	8.0W	23 25.811	-0.0111	07	-57 3 47.38	-0.093	07	0.14	25.850	14	46.5	47.06	14	46.5	F8	CD	4523	P -56 6275
21	9.1	9.2W	23 27.555	-0.0001	06	-59 30 43.62	-0.018	06	0.14	27.555	14	46.5	43.56	14	46.5	B5	CD	4524	P -59 5569
22	9.5		23 45.628	-0.0006	07	-56 33 38.04	-0.024	07	0.14	45.630	14	46.5	37.96	14	46.5	B9	CD	4525	P -56 6276
23		9.4W	24 2.833	-0.0010	07	-59 24 33.98	-0.007	07	0.14	2.837	14	46.5	33.96	14	46.5		CD	4526	P* -59 5577
24	8.7	8.6W	24 5.267	-0.0022	07	-52 18 3.33	-0.037	07	0.18	5.292	15	38.5	2.90	18	38.5	F2	C9	5472	P -51 6880
25		8.8W	24 5.544	-0.0008	06	-59 24 30.60	-0.012	06	0.14	5.547	14	46.5	30.56	14	46.5	B9	CD	4527	P -59 5578
26	9.1	9.0W	24 9.354	0.0001	07	-53 2 40.02	-0.018	07	0.18	9.352	15	38.5	39.80	18	38.5	F0	C9	5473	P -52 7237
27		8.0T	24 10.390	-0.0318	26	-51 42 35.69	0.023	22	1.12	11.839	21	04.4	36.75	19	03.7	G5	GC	19481	C -51 8206
28	10.0	10.1W	24 14.252	-0.0014	09	-59 24 5.32	-0.017	09	0.14	14.257	14	46.5	5.26	14	46.5		CD	4528	P -59 5579
29	8.6	8.9W	24 14.886	-0.0008	07	-58 12 25.57	-0.002	07	0.14	14.889	14	46.5	25.56	14	46.5	B9	CD	4529	P -57 6649
30	9.9	9.9W	24 16.061	0.0012	09	-59 24 42.07	-0.002	09	0.14	16.057	14	46.5	42.06	14	46.5		CD	4530	P -59 5580
31	9.7	10.0W	24 17.293	-0.0040	07	-59 14 54.90	-0.012	07	0.14	17.307	14	46.5	54.86	14	46.5	A0	CD	4531	P -58 5542
32	9.0	9.2W	24 25.176	-0.0006	15	-55 14 44.70	0.029	15	0.24	25.183	15	38.5	45.03	18	38.5	B9	C9	5475	P -54 6015
33	10.1	8.5W	24 26.789	-0.0012	07	-54 47 59.32	-0.035	07	0.18	26.802	15	38.5	58.92	18	38.5	MA	C9	5476	P -54 6016
34	9.3	9.0W	24 31.992	-0.0067	07	-59 54 19.11	-0.015	07	0.14	32.015	14	46.5	19.06	14	46.5	G5	CD	4532	P -59 5587
35	10.3	9.6W	24 51.364	-0.0016	07	-53 1 13.06	-0.048	07	0.18	51.382	15	38.5	12.50	18	38.5	K0	C9	5477	P -52 7245
36	10.4E	9.2Z	24 54.245	-0.0031	12	-51 3 19.86	-0.017	12	0.65	54.394	31	01.7	19.52	28	01.7	F8	CZ	12326	P -50 6943
37		6.5T	25 3.084	-0.0007	10	-58 58 28.00	-0.019	07	0.39	3.115	17	09.6	27.11	15	02.3	A0	GC	19495	P -58 5549
38	9.4	9.6W	25 3.941	-0.0017	07	-58 42 16.65	0.002	07	0.14	3.947	14	46.5	16.66	14	46.5	B9	CD	4534	P -58 5550
39		8.0T	25 10.715	0.0038	18	-54 59 53.10	-0.021	12	0.72	10.550	22	07.1	52.17	21	04.4	A2	GC	19498	P -54 6021
40	9.6	9.8W	25 19.793	-0.0015	07	-57 59 12.55	-0.027	07	0.14	19.799	14	46.5	12.46	14	46.5	A0	CD	4535	P -57 6655
41	9.8	10.0W	25 20.623	-0.0011	13	-58 45 58.33	0.009	13	0.15	20.627	14	46.5	58.36	14	46.5	B8	CD	4536	P -58 5551
42		7.2T	25 27.343	-0.0023	13	-55 54 49.61	0.001	09	0.60	27.464	21	03.4	49.68	18	98.1	A5	GC	19500	P -55 6023
43	10.0	9.0W	25 31.676	0.0003	09	-55 6 37.81	-0.015	09	0.20	31.673	15	38.5	37.63	18	38.5	G5	C9	5480	P -54 6023
44	10.7	9.3W	25 32.839	-0.0029	07	-52 41 1.90	-0.008	07	0.18	32.872	15	38.5	1.80	18	38.5	K0	C9	5481	P* -52 7251
45	8.4	8.7W	25 52.238	-0.0004	07	-52 40 18.58	-0.006	07	0.18	52.242	15	38.5	18.50	18	38.5	A0	C9	5482	P -52 7254
46	9.9	9.5W	25 55.037	0.0056	07	-59 55 10.57	-0.003	07	0.14	55.015	14	46.0	10.56	14	46.0	G5	CD	4301	P -59 5602
47	10.6	9.4W	26 3.101	-0.0019	14	-53 0 57.82	-0.036	14	0.23	3.122	15	38.5	57.40	18	38.5	G5	C9	5483	P -52 7256
48	9.0E	8.5Z	26 13.212	-0.0001	12	-51 38 56.42	-0.003	12	0.82	13.215	63	03.4	56.27	57	03.4	A5	CZ	12341	P -51 6883
49	8.8	9.2W	26 16.168	-0.0020	07	-59 33 10.32	-0.017	07	0.14	16.175	14	46.5	10.26	14	46.5	B8	CD	4539	P -59 5606
50	9.6	9.8W	26 20.589	-0.0003	07	-55 3 44.83	-0.008	07	0.18	20.593	15	38.5	44.73	18	38.5	A2	C9	5485	P -54 6024
51		7.2T	14 26 24.882	-0.0045	14	-55 54 31.78	-0.030	10	0.60	25.109	21	05.4	30.29	19	99.8	A5	GC	19525	P -55 6025
52	10.1	8.9W	26 27.687	-0.0013	07	-53 22 19.90	-0.017	07	0.18	27.702	15	38.5	19.70	18	38.5	K0	C9	5487	P -53 5994
53	8.3	8.4W	26 28.633	-0.0018	07	-56 41 42.20	-0.039	07	0.14	28.640	14	46.5	42.06	14	46.5	B8	CD	4541	P -56 6283
54	9.8E	9.0Z	26 33.863	-0.0033	12	-51 38 31.89	-0.030	12	0.82	34.015	63	03.4	30.48	57	03.4	G5	CZ	12344	P -51 6888
55	8.6	8.3W	26 59.554	0.0011	07	-55 34 2.00	-0.032	07	0.18	59.541	15	38.5	1.63	18	38.5	A0	C9	5488	P -55 6027
56	9.9	9.7W	27 6.773	-0.0008	06	-52 2 1.87	-0.023	06	0.18	6.782	15	38.5	1.60	18	38.5	B9	C9	5489	P -51 6898
57	10.3	9.3W	27 7.160	0.0007	11	-51 52 32.79	-0.016	11	0.21	7.152	15	38.5	32.60	18	38.5	K0	C9	5490	P -51 6899
58	10.3		27 9.691	0.0046	13	-59 56 0.52	0.012	13	0.15	9.675	14	46.5	0.56	14	46.5	A0	CD	4543	P -59 5614
59	9.0	8.9W	27 23.075	0.0002	06	-53 27 57.25	-0.021	06	0.18	23.072	15	38.5	57.00	18	38.5	F0	C9	5493	P -53 5999
60	9.8	9.8W	27 25.479	-0.0028	09	-54 19 6.66	-0.022	09	0.20	25.512	15	38.5	6.41	18	38.5	B9	C9	5494	P -53 5998
61	8.9E	8.9H	27 27.541	-0.0012	12	-50 15 29.17	-0.190	12	0.67	27.599	36	03.1	20.23	36	03.1	G0	CZ	12361	P -49 7037
62	8.8	8.8W	27 46.257	-0.0012	06	-54 51 13.63	-0.001	06	0.18	46.272	15	38.5	13.62	18	38.5	A2	C9	5495	P -54 6036
63	9.5E	9.5Z	27 50.262	0.0012	12	-50 14 43.77	-0.019	12	0.72	50.207	45	02.9	42.85	45	02.9	A0	CZ	12368	P -49 7048
64	9.2	9.5W	27 57.981	-0.0010	07	-51 54 55.99	0.001	07	0.18	57.992	15	38.5	56.00	18	38.5	B9	C9	5496	P -51 6908
65	9.1	9.4W	28 5.154	-0.0007	07	-58 40 6.52	-0.017	07	0.14	5.157	14	46.5	6.46	14	46.5	B9	CD	4544	P -58 5576
66	9.9E	9.4Z	28 11.480	0.0009	12	-50 10 25.61	-0.020	12	0.72	11.435	45	02.4	24.63	45	02.4	A5	CZ	12375	P -49 7053
67	8.9	8.8W	28 13.324	-0.0051	07	-53 17 28.61	-0.052	07	0.18	13.382	15	38.5	28.00	18	38.5	F2	C9	5498	P -52 7278
68	10.7		28 23.535	-0.0015	14	-51 56 24.79	-0.016	14	0.23	23.552	15	38.5	24.60	18	38.5	F8	C9	5500	P -51 6915
69		8.8T	28 24.306	-0.0084	22	-51 1 14.96	-0.032	20	0.99	24.690	21	04.3	13.48	21	03.6	B9	GC	19574	C -50 8600
70	9.8E	9.9Z	28 39.436	-0.0003	12	-50 12 17.18	-0.007	12	0.72	39.448	45	02.4	16.82	45	02.4	A0	CZ	12385	P -49 7064
71	10.3	9.2W	28 40.791	-0.0035	09	-54 17 20.81	-0.009	09	0.20	40.832	15	38.5	20.71	18	38.5	K0	C9	5502	P -53 6007
72	9.2	9.5W	28 43.694	-0.0008	11	-58 53 31.75	0.002	11	0.15	43.697	14	46.5	31.76	14	46.5	B9	CD	4545	P -58 5581
73	9.6	9.7W	28 46.792	-0.0047	13	-57 35 7.64	-0.024	13	0.15	46.809	14	46.5	7.56	14	46.5	A0	CD	4546	P -57 6681
74	9.8	9.5W	28 49.212	0.0010	07	-58 23 23.80	-0.012	07	0.14	49.208	14	46.5	23.76	14	46.5	F5	CD	4547	P -58 5583
75	8.7E	7.5Z	28 52.530	-0.0020	12	-51 7 4.55	-0.010	12	0.72	52.634	45	02.9	4.06	45	02.9	K0	CZ	12391	P -50 7001
76	10.8		28 53.144	0.0019	14	-52 7 20.72	-0.019	14	0.23	53.122	15	38.5	20.50	18	38.5	A2	C9	5503	P -51 6925
77		6.3I	28 56.912	-0.0027	14	-56 40 2.43	-0.015	10	0.62	57.053	21	03.9	1.66	19	98.0	G1V	GC	19582V	P* -56 6296
78		7.7T	28 58.148	-0.0039	18	-55 14 35.94	-0.011	12	0.72	58.326	22	07.3	35.45	21	04.5	F0	GC	19583	P -54 6044
79	9.1	9.4W	29 1.985	-0.0038	07	-58 14 50.64	-0.022	07	0.14	1.998	14	46.5	50.56	14	46.5	B9	CD	4549	P -57 6683
80		7.4T	29 3.274	-0.0006	12	-51 45 0.72	-0.008	10	0.57	3.300	15	04.7	0.31	18	99.2	A0	GC	19585	C -51 8270
81		4.6T	29 14.049	-0.0043	05	-50 14 11.84	-0.013	04	0.23	14.241	09	04.7	11.20	09	00.4	B2	GC	19590	C* -49 8831
82	8.8	8.8W	29 16.785	-0.0015	14	-55 0 22.27	0.015	14	0.23	16.803	15	38.5	22.43	18	38.5	A0	C9	5506	P -54 6045
83	10.1		29 17.846	-0.0001	13	-59 17 6.94	0.005	13	0.15	17.847	14	46.5	6.96	14	46.5	A0	CD	4550	P -58 5586
84	10.2		29 28.897	-0.0060	14	-58 26 50.42	0.010	14	0.15	28.918	14	46.5	50.46	14	46.5	A0	O CD	4551	P -58 5589
85	9.4	9.2W	29 31.221	-0.0053	13	-57 2 41.35	-0.056	13	0.15	31.240	14	46.5	41.16	14	46.5	F0	CD	4552	P -56 6303
86	10.5	10.0W	29 32.508	-0.0000	13	-58 24 20.30	-0.012	13	0.15	32.508	14	46.5	24.26	14	46.5	B8	O CD	4553	P -58 5591
87	10.0		29 40.811	-0.0019	14	-52 59 21.61	-0.000	14	0.23	40.832	15	38.5	21.60	18	38.5	A0	C9	5507	P -52 7295
88	9.1	7.7W	29 43.945	-0.0017	06	-55 59 45.94	0.002	06	0.14	43.951	14	46.5	45.95	14	46.5	K0	CD	4554	P -55 6046
89	9.6E	8.5Z	29 50.189	-0.0090	12	-50 42 46.90	-0.017	12	0.72	50.612	45	02.9	46.12	45	02.9	K2	CZ	12403	P -50 7024
90	9.6	9.7W	29 50.861	0.0025	13	-54 54 3.13	0.025	13	0.22	50.832	15	38.5	3.42	18	38.5	A0	C9	5509	P -54 6049
91		8.0T	29 55.510	0.0001	20	-58 36 4.34	-0.014	13	0.76	55.504	21	07.7	3.73	21	05.1	B3	GC	19602	P -58 5594
92		6.0T	30 0.721	-0.0106	12	-54 46 43.89	0.001	11	0.57	1.186	18	06.3	43.92	18	01.3	F5	GC	19604	P -54 6053
93		5.9T	30 2.484	-0.0004	12	-52 27 35.77	-0.034	08	0.55	2.505	21	01.5	33.88	18	94.6	K0	GC	19606K	P -52 7301
94	9.5	9.7W	30 2.755	-0.0022	07	-59 52 14.97	-0.009	07	0.14	2.763	14	46.0	14.93	14	46.0	A0	CD	4327	P -59 5627
95	10.2	9.2W	30 3.356	-0.0033	08	-52 16 56.23	-0.010	08	0.19	3.394	15	38.5	56.12	18	38.5	K0	C9	5512	P -51 6938
96	9.6	7.8W	30 7.757	-0.0016	06	-55 44 29.54	0.005	06	0.18	7.775	15	38.5	29.60	18	38.5	K5	C9	5513	P -55 6048
97	8.8	9.0W	30 14.305	-0.0017	07	-52 9 24.44	0.007	07	0.18	14.324	15	38.5	24.52	18	38.5	A0	C9	5514	P -51 6940
98	9.9	9.8W	30 16.425	-0.0007	13	-56 31 34.30	0.009	13	0.15	16.427	14	46.5	34.33	14	46.5	B9	CD	4557	P -56 6312
99	8.7	8.8W	30 21.339	-0.0030	07	-54 16 7.20	-0.015	07	0.18	21.374	15	38.5	7.02	18	38.5	B8	C9	5515	P -53 6019
00	10.0	9.6W	30 21.591	0.0014	09	-55 54 1.28	-0.024	09	0.20	21.575	15	38.5	1.00	18	38.5	F5	C9	5516	P -55 6051

241800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-50° 14H DM NUMBER
1	9.5	9.7W	14 30 23.443	-0.0036	08	-52 8 23.20	0.002	08	0.19	23.484	15	38.5	23.22	18	38.5	A3	C9	5517	P -51 6944
2	9.7E	9.5Z	30 30.074	-0.0006	12	-50 43 19.98	-0.034	12	0.72	30.101	45	02.9	18.36	45	02.9	F8	CZ	12416	P -50 7032
3	8.3	7.9W	30 55.661	0.0023	06	-59 33 56.26	-0.009	06	0.14	55.653	14	46.5	56.23	14	46.5	F0	C0	4558	P -59 5633
4	9.9	9.4W	30 56.066	-0.0137	13	-54 3 28.30	-0.067	13	0.22	56.223	15	38.5	27.52	18	38.5	G0	C9	5520	P -53 6020
5	8.1	8.2W	30 59.316	-0.0005	06	-56 53 27.04	-0.001	06	0.14	59.317	14	46.5	27.04	14	46.5	B9	C0	4559	P -56 6317
6	10.4	10.1W	31 6.131	-0.0019	09	-54 42 10.09	-0.005	09	0.20	6.153	15	38.5	10.03	18	38.5	F5	C9	5521	P -54 6059
7	10.2		31 8.047	-0.0027	13	-58 24 35.50	0.010	13	0.15	8.056	14	46.5	35.53	14	46.5	A0	C0	4560	P -58 5604
8	9.9	10.1W	31 26.476	-0.0050	07	-53 1 42.28	-0.023	07	0.18	26.534	15	38.5	42.02	18	38.5	A2	C9	5523	P -52 7317
9	9.7	9.8W	31 27.103	-0.0004	13	-58 37 25.13	0.029	13	0.15	27.105	14	46.5	25.23	14	46.5	B9	C0	4561	P -58 5605
10	9.6	8.6W	31 29.652	0.0016	06	-52 58 57.68	-0.014	06	0.18	29.634	15	38.5	57.52	18	38.5	K0	C9	5524	P -52 7318
11		6.4T	31 31.985	-0.0021	10	-59 47 49.21	-0.035	08	0.51	32.097	15	97.7	47.32	14	95.7	K0	GC	19637	P -59 5642
12		7.0T	31 32.504	-0.0023	08	-56 20 39.58	-0.029	05	0.28	32.606	10	11.8	38.31	09	06.0	K2	GC	19638	P*-56 6325
13	9.6	9.6W	31 32.908	0.0030	13	-56 30 10.51	0.006	13	0.15	32.897	14	46.5	10.53	14	46.5	B9	C0	4564	P -56 6324
14	10.1	10.0W	31 39.334	-0.0029	13	-59 26 45.51	-0.022	13	0.15	39.344	14	46.5	45.43	14	46.5	A0	C0	4565	P -59 5644
15	9.4	9.7W	31 40.491	-0.0017	07	-56 33 9.42	-0.025	07	0.14	40.497	14	46.5	9.33	14	46.5	B9	C0	4566	P -56 6326
16	9.9E	9.5Z	31 41.025	-0.0013	12	-50 43 40.26	-0.013	12	0.72	41.085	45	02.9	39.63	45	02.9	A3	CZ	12433	P -50 7047
17	9.2	9.2W	31 49.838	-0.0001	07	-56 24 11.16	-0.012	07	0.14	49.838	14	46.5	11.12	14	46.5	A0	C0	4567	P -56 6328
18	9.1	9.3W	31 53.119	-0.0021	07	-58 7 59.67	-0.009	07	0.14	53.126	14	46.5	59.63	14	46.5	B9	C0	4568	P -57 6698
19	9.3	9.6W	31 54.868	-0.0002	07	-56 15 17.19	-0.018	07	0.14	54.868	14	46.5	17.12	14	46.5	B8	C0	4569	P -55 6064
20	9.9	9.8W	31 55.531	-0.0020	13	-56 23 51.10	0.007	13	0.15	55.538	14	46.5	51.12	14	46.5	A0	C0	4570	P -56 6333
21	9.9	9.9W	31 57.291	0.0007	07	-56 29 58.70	-0.022	07	0.14	57.288	14	46.5	58.62	14	46.5	B9	C0	4571	P -56 6335
22	9.5	9.7W	31 59.827	0.0030	07	-58 8 15.27	-0.010	07	0.14	59.816	14	46.5	15.24	14	46.5	B8	C0	4572	P -57 6699
23	9.8	9.6W	32 0.082	0.0016	11	-58 22 29.76	-0.007	11	0.15	0.076	14	46.5	29.73	14	46.5	B9	C0	4573	P -58 5611
24	9.2	9.0W	32 1.893	-0.0055	15	-55 16 16.36	-0.031	15	0.24	1.956	15	38.5	16.01	18	38.5	F5	C9	5526	P -54 6066
25	8.2	8.3W	32 11.066	-0.0007	06	-56 24 1.13	-0.001	06	0.14	11.068	14	46.5	1.12	14	46.5	B8	C0	4574	P -56 6340
26	9.4	7.9W	32 14.103	-0.0001	07	-52 15 19.69	-0.015	07	0.18	14.104	15	38.5	19.52	18	38.5	K2	C9	5528	P -51 6964
27	9.6	9.8W	32 15.629	-0.0017	09	-58 54 7.00	-0.018	09	0.14	15.634	14	46.5	6.93	14	46.5	A0	C0	4575	P -58 5615
28	10.0	9.9W	32 18.930	0.0500	15	-58 54 23.13	-0.028	15	0.15	18.755	14	46.5	23.04	14	46.5	A2	C0	4576	P*-58 5616
29	10.0	9.3W	32 19.687	0.0020	07	-52 27 51.86	-0.012	07	0.18	19.664	15	38.5	51.72	18	38.5	G5	C9	5529	P -52 7333
30	9.1	9.4W	32 20.399	-0.0015	06	-59 13 15.04	-0.002	06	0.14	20.404	14	46.5	15.03	14	46.5	B9	C0	4577	P -58 5617
31	8.7	8.9W	32 24.795	-0.0009	07	-56 17 59.87	-0.015	07	0.14	24.798	14	46.5	59.82	14	46.5	B8	C0	4578	P -55 6067
32	9.1	9.3W	32 25.237	-0.0003	07	-56 14 32.17	-0.012	07	0.14	25.238	14	46.5	32.12	14	46.5	B9	C0	4579	P -55 6068
33	9.2E	9.0Z	32 25.290	-0.0032	12	-50 39 35.89	-0.038	12	0.65	25.443	31	01.7	34.08	28	01.7	F0	CZ	12443	P -50 7057
34	8.8	9.2W	32 49.580	0.0014	07	-59 4 25.30	0.012	07	0.14	49.575	14	46.5	25.34	14	46.5	B9	C0	4580	P -58 5620
35	9.6	9.1W	32 50.952	-0.0140	08	-53 17 45.55	-0.133	08	0.19	51.114	15	38.5	44.01	18	38.5	G0	C9	5531	P -52 7340
36	9.3E	9.5Z	32 53.323	-0.0004	12	-51 42 23.61	-0.035	12	0.82	53.343	63	03.4	21.96	57	03.4	A0	CZ	12456	P -51 6971
37	10.0E	9.0Z	32 59.039	-0.0004	12	-51 39 26.40	-0.034	12	0.82	59.060	63	03.4	24.80	57	03.4	K0	CZ	12457	P -51 6972
38	9.5	8.0W	33 2.234	-0.0002	07	-59 11 46.18	-0.013	07	0.14	2.235	14	46.5	46.13	14	46.5	K2	C0	4581	P -58 5621
39	9.5E	9.5Z	33 7.085	-0.0004	12	-51 50 7.05	-0.035	12	0.66	7.107	31	01.4	5.37	31	01.4	F0	CZ	12458	P -51 6977
40	9.3	9.4W	33 9.755	-0.0016	07	-54 1 25.65	-0.002	07	0.18	9.773	15	38.5	25.62	18	38.5	A0	C9	5534	P -53 6032
41	9.3	9.3W	33 24.842	0.0005	07	-55 12 13.71	-0.009	07	0.18	24.836	15	38.5	13.61	18	38.5	B9	C9	5535	P -54 6076
42	10.4E	9.6*	33 27.326	-0.0034	12	-50 10 42.13	-0.042	12	0.64	27.493	28	01.7	40.11	26	01.7	F5	CZ	12464	P -49 7149
43	9.8E	9.3*	33 27.698	0.0003	12	-51 18 12.40	-0.014	12	0.66	27.682	31	01.4	11.73	31	01.4	A0	CZ	12463	P -50 7078
44	8.8	8.7W	33 29.346	0.0000	07	-58 13 4.12	0.003	07	0.14	29.346	14	46.5	4.13	14	46.5	B3	C0	4582	P -57 6712
45	9.1	9.2W	33 37.531	0.0004	07	-55 23 11.91	-0.018	07	0.18	37.526	15	38.5	11.71	18	38.5	B9	C9	5537	P -55 6077
46	9.7	9.4W	33 40.801	-0.0022	07	-55 0 51.01	-0.018	07	0.18	40.826	15	38.5	50.81	18	38.5	F5	C9	5538	P -54 6078
47	9.7	8.2W	33 41.358	-0.0024	06	-57 59 55.61	-0.020	06	0.14	41.366	14	46.5	55.53	14	46.5	K2	C0	4583	P -57 6713
48		6.6T	33 43.130	-0.0015	13	-52 50 37.24	-0.020	09	0.59	43.203	21	03.1	36.14	18	96.0	K0	GC	19684	P -52 7350
49	9.5	9.5W	33 43.694	-0.0008	07	-52 36 39.79	-0.006	07	0.18	43.704	15	38.5	39.72	18	38.5	A0	C9	5540	P -52 7351
50	10.9		33 46.012	-0.0011	14	-51 57 5.10	0.028	14	0.23	46.024	15	38.5	5.42	18	38.5	F0	C9	5541	P*-51 6988
51	8.8	8.9W	14 33 46.373	-0.0035	07	-54 40 48.71	-0.041	07	0.18	46.413	15	38.5	48.23	18	38.5	A0	C9	5542	P -54 6079
52	8.4	8.4W	33 58.534	0.0030	09	-59 32 52.87	0.018	09	0.14	58.523	14	46.5	52.93	14	46.5	F0	C0	4584	P -59 5662
53	10.5	9.7W	34 0.662	-0.0001	08	-52 40 38.55	0.014	08	0.19	0.664	15	38.5	38.71	18	38.5	K0	C9	5543	P -52 7359
54	9.1	8.7W	34 4.952	0.0070	07	-57 14 28.80	0.011	07	0.14	4.927	14	46.5	28.83	14	46.5	G5	C0	4585	P -56 6358
55	10.0E	9.7Z	34 5.462	-0.0011	12	-51 23 4.52	-0.015	12	0.82	5.512	63	03.4	3.83	57	03.4	A0	CZ	12470	P -51 6994
56	10.3	9.4W	34 15.113	-0.0035	07	-54 41 7.47	-0.046	07	0.18	15.153	15	38.5	6.93	18	38.5	G5	C9	5544	P -54 6082
57	10.0E	9.0Z	34 15.538	-0.0036	12	-50 36 25.73	-0.063	12	0.72	15.706	45	02.9	22.76	45	02.9	K0	CZ	12473	P -50 7089
58	11.1		34 18.553	-0.0010	14	-51 56 34.55	-0.011	14	0.23	18.564	15	38.5	34.42	18	38.5	G0	C9	5545	P*-51 6998
59	10.0E	9.0Z	34 20.497	0.0024	12	-51 6 18.38	-0.005	12	0.72	20.382	45	02.9	18.15	45	02.9	K0	CZ	12477	P -50 7091
60	9.2	8.4W	34 21.050	-0.0010	06	-59 55 38.90	-0.020	06	0.14	21.053	14	46.5	38.83	14	46.5	K0	C0	4586	P -59 5665
61	9.9	10.0W	34 21.327	0.0007	09	-58 56 48.45	-0.003	09	0.14	21.325	14	46.5	48.43	14	46.5	B9	C0	4587	P -58 5632
62	9.7E	9.2Z	34 25.271	-0.0027	12	-51 50 41.36	-0.032	12	0.82	25.399	63	03.4	39.86	57	03.4	A3	CZ	12479	P -51 7001
63	10.0	10.0W	34 27.807	-0.0015	14	-51 54 10.62	-0.000	14	0.23	27.824	15	38.5	10.62	18	38.5	A	C9	5546	P -51 7003
64		8.0T	34 28.379	-0.0082	13	-54 17 40.80	-0.049	11	0.63	28.768	18	02.4	38.24	18	98.2	F0	GC	19697K	P -53 6037
65		8.6T	34 35.282	0.0013	17	-54 17 58.37	-0.053	13	0.72	35.223	19	05.1	55.82	21	02.3	B8	GC	19701K	P -53 6038
66	10.2	9.3W	34 52.333	-0.0026	09	-52 51 45.00	0.010	09	0.20	52.364	15	38.5	45.12	18	38.5	K0	C9	5549	P -52 7369
67	9.2	9.2W	34 54.082	-0.0010	07	-54 51 14.98	-0.012	07	0.18	54.094	15	38.5	14.83	18	38.5	A0	C9	5550	P -54 6088
68	8.2	8.2W	34 56.233	0.0006	08	-55 20 0.29	-0.007	08	0.19	56.226	15	38.5	0.21	18	38.5	B5	C9	5551	P -55 6088
69	9.6E	9.6Z	35 7.685	-0.0003	12	-51 33 32.89	-0.012	12	0.82	7.701	63	03.4	32.34	57	03.4	A0	CZ	12494	P -51 7015
70	9.4	9.5W	35 7.876	-0.0001	07	-57 32 3.29	-0.016	07	0.14	7.876	14	46.5	3.23	14	46.5	G0	C0	4588	P*-57 6723
71	9.1	8.8W	35 10.330	0.0016	07	-58 56 43.13	-0.054	07	0.14	10.325	14	46.5	42.94	14	46.5	F2	C0	4589	P -58 5640
72	9.2	9.6W	35 11.271	-0.0011	07	-58 54 31.25	-0.005	07	0.14	11.274	14	46.5	31.24	14	46.5	A0	C0	4590	P -58 5641
73		6.7T	35 15.886	-0.0119	08	-58 55 26.93	-0.112	07	0.41	16.492	14	02.0	21.27	12	99.3	F8	GC	19714	P -58 5644
74	10.0E	9.5Z	35 21.538	-0.0016	12	-51 42 9.81	-0.028	12	0.82	21.615	63	03.4	8.52	57	03.4	F0	CZ	12497	P -51 7018
75		7.5T	35 27.243	-0.0003	13	-56 16 56.26	0.027	11	0.62	27.260	21	03.8	57.65	18	98.6	K0	GC	19719	P -55 6092
76	8.8	9.2W	35 32.146	-0.0021	07	-59 42 21.27	-0.009	07	0.14	32.154	14	46.5	21.24	14	46.5	B9	C0	4593	P -59 5673
77	8.5	8.4W	35 32.171	-0.0019	07	-54 7 45.61	-0.025	07	0.18	32.194	15	38.5	45.32	18	38.5	A2	C9	5554	P -53 6043
78	9.0	8.9W	35 35.502	-0.0047	15	-55 29 14.44	0.006	15	0.24	35.556	15	38.5	14.51	18	38.5	A0	C9	5555	P*-55 6094
79	9.3	9.5W	35 54.610	-0.0018	10	-57 57 34.31	0.006	10	0.14	54.616	14	46.5	34.33	14	46.5	B9	C0	4594	P -57 6732
80	8.9	8.1W	35 56.364	-0.0008	07	-52 32 9.97	0.013	07	0.18	56.374	15	38.5	10.12	18	38.5	K0	C9	5556	P -52 7388
81	9.7E	9.5Z	35 56.883	-0.0013	12	-50 1 12.92	-0.030	12	0.65	56.947	31	01.4	11.47	28	01.4	F0	CZ	12504	P -49 7204
82	9.1	9.1W	36 0.313	-0.0005	07	-59 21 37.68	0.014	07	0.14	0.315	14	46.5	37.73	14	46.5	A0	C0	4595	P -59 5676
83	9.2E	9.2Z	36 2.553	-0.0001	12	-50 56 34.75	-0.015	12	0.65	2.556	31	01.7	34.04	28	01.7	B5	CZ	12506	P -50 7122
84	8.9	8.8W	36 6.278	-0.0007	13	-55 12 11.64	-0.003	13	0.22	6.286	15	38.5	11.61	18	38.5	F0	C9	5557	P -54 6093
85	9.2	9.0W	36 7.353	-0.0001	07	-59 45 45.06	-0.007	07	0.14	7.353	14	46.5	45.03	14	46.5	F0	C0	4596	P -59 5677
86	10.1		36 9.118	0.0011	14	-59 12 41.02	0.005	14	0.15	9.114	14	46.5	41.03	14	46.5	B9	C0	4597	P -58 5653
87	9.2	9.2W	36 14.169	-0.0014	07	-55 54 15.60	-0.052	07	0.18	14.185	15	38.5	15.00	18	38.5	B9	C9	5558	P -55 6102
88	9.0	9.1W	36 18.611	-0.0008	07	-59 42 59.38	0.015	07	0.14	18.613	14	46.5	59.43	14	46.5	B9	C0	4598	P -59 5679
89	8.6	8.4W	36 26.954	0.0044	06	-52 47 12.89	0.011	06	0.18	26.904	15	38.5	13.02	18	38.5	F5	C9	5559	P -52 7393
90	9.4	8.0W	36 29.846	-0.0022	05	-59 32 12.01	0.007	05	0.14	29.853	14	46.5	12.04	14	46.5	K2	C0	4599	P -59 5681
91	9.9E	9.6*	36 31.909	-0.0006	12	-50 26 7.13	-0.007	12	0.65	31.940	31	01.7	6.80	28	01.7	A3	CZ	12515	P -50 7131
92	8.7E	7.5Z	36 34.026	-0.0019	12	-51 51 3.87	-0.033	12	0.66	34.121	31	01.4	2.25	31	01.4	K0	CZ	12514	P -51 7032
93	9.0	9.1W	36 46.242	0.0006	08	-55 36 9.76	-0.014	08	0.19	46.235	15	38.5	9.60	18	38.5	A0	C9	5561	P -55 6106
94	7.9	7.4W	36 46.632	0.0471	06	-56 48 38.63	-0.314	06	0.14	46.467	14	46.5	37.53	14	46.5	G5	C0	4601	P -56 6368
95	9.7	9.8W	36 49.136	0.0033	13	-59 6 45.23	0.001	13	0.15	49.125	14	46.5	45.24	14	46.5	B9	C0	4602	P -58 5660
96	8.4	8.5W	36 49.409	-0.0021	07	-58 20 21.21	-0.022	07	0.14	49.416	14	46.5	21.13	14	46.5	A2	C0	4603	P*-58 5661
97	9.4	9.6W	36 49.475	-0.0001	15	-55 10 3.56	-0.013	15	0.24	49.476	15	38.5	3.41	18	38.5	A0	C9	5562	P*-54 6102
98		6.3T	36 54.874	-0.0037	16	-56 13 34.29	0.001	12	0.69	55.059	21	04.6	34.34	19	00.3	K0	GC	19745	P -55 6107
99	10.3		36 56.771	-0.0003	14	-51 54 41.75	-0.011	14	0.23	56.774	15	38.5	41.62	18	38.5	A2	C9	5563	P -51 7041
00	9.6E	8.5Z	37 4.197	-0.0022	12	-50 31 52.71	-0.023	12	0.72	4.300	45	02.9	54.62	45	02.9	K0	CZ	12522	P -50 7142

241900 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.9	7.9W	14 37 14.275	-0.0002	06	-52 44 59.11	0.001	06	0.18	14.274	15	38.5	59.11	18	38.5	K0	C9	5564	P -52 7407
2	9.6	9.2W	37 35.395	-0.0007	07	-53 21 31.18	0.029	07	0.18	35.404	15	38.5	31.52	18	38.5	G0	C9	5565	P#-53 6057
3	9.5	9.1W	37 39.621	-0.0038	12	-59 5 0.42	0.004	12	0.15	39.635	14	46.5	0.44	14	46.5	F2	C0	4605	P -58 5667
4	9.3	9.3W	37 42.110	-0.0013	07	-58 54 58.27	-0.009	07	0.14	42.115	14	46.5	58.23	14	46.5	A2	C0	4606	P -58 5668
5	9.0	9.2W	37 45.294	-0.0009	07	-57 28 33.38	-0.013	07	0.14	45.297	14	46.5	33.34	14	46.5	B9	C0	4607	P -57 6739
6	9.4	9.5W	37 46.012	0.0009	07	-56 18 51.20	-0.023	07	0.14	46.008	14	46.5	51.12	14	46.5	A0	C0	4608	P -55 6113
7	9.8	9.5W	37 48.244	-0.0053	09	-55 59 55.22	-0.071	09	0.20	48.305	15	38.5	54.40	18	38.5	G0	C9	5566	P -55 6114
8	9.0	9.1W	37 50.664	-0.0043	07	-53 19 42.33	-0.027	07	0.18	50.714	15	38.5	42.02	18	38.5	B9	C9	5567	P -53 6060
9	9.3	9.5W	37 51.128	0.0062	15	-55 4 31.57	-0.006	15	0.24	51.056	15	38.5	31.51	18	38.5	B8	C9	5568	P -54 6110
10	9.7	9.7W	37 51.780	-0.0038	07	-54 48 53.30	-0.005	07	0.18	51.824	15	38.5	53.23	18	38.5	A2	C9	5569	P -54 6111
11	9.3	9.4W	38 1.296	-0.0025	09	-51 59 31.88	-0.014	09	0.20	1.324	15	38.5	31.72	18	38.5	A0	C9	5570	P -51 7061
12		6.3T	38 11.689	0.0031	13	-58 24 7.85	-0.046	10	0.57	11.543	19	07.0	5.65	18	02.7	F8	GC	19763	P -58 5672
13	10.0	9.0W	38 12.694	0.0027	12	-52 56 21.51	-0.008	12	0.22	12.664	15	38.5	21.42	18	38.5	K0	C9	5571	P -52 7421
14	9.9	9.8W	38 16.503	0.0026	14	-58 50 47.89	0.013	14	0.15	16.494	14	46.5	47.93	14	46.5	B8	C0	4610	P -58 5673
15	10.1		38 18.476	-0.0022	14	-59 37 44.41	0.008	14	0.15	18.483	14	46.5	44.43	14	46.5	B9	C0	4611	P -59 5693
16	9.8	9.6W	38 20.361	-0.0011	12	-53 3 24.19	-0.050	12	0.22	20.374	15	38.5	23.62	18	38.5	F2	C9	5572	P -52 7423
17		8.0T	38 22.447	0.0015	12	-58 8 47.96	-0.012	10	0.51	22.380	18	09.7	47.40	18	05.0	B9	GC	19768	P -57 6744
18	8.5	8.8W	38 29.145	-0.0003	07	-57 35 33.60	-0.017	07	0.14	29.146	14	46.5	33.53	14	46.5	A0	C0	4613	P -57 6750
19	9.0E	8.0Z	38 42.512	-0.0051	12	-51 27 43.40	-0.024	12	0.66	42.758	31	01.4	42.25	31	01.4	F5	CZ	12548	P -51 7070
20	10.0	9.6W	38 44.493	-0.0018	08	-53 23 44.17	-0.005	08	0.19	44.514	15	38.5	44.12	18	38.5	A5	C9	5574	P -53 6066
21	9.7	10.0W	38 56.399	-0.0014	15	-55 42 42.26	-0.031	15	0.24	56.415	15	38.5	41.90	18	38.5	A0	C9	5575	P -55 6126
22	10.0		38 56.933	-0.0005	13	-58 51 17.40	0.011	13	0.15	56.934	14	46.5	17.43	14	46.5	A0	C0	4614	P -58 5677
23		7.9T	38 57.280	-0.0004	14	-54 23 9.91	-0.001	12	0.65	57.297	21	04.1	9.84	19	00.6	A0	GC	19782	P -54 6116
24	8.7	9.0W	39 1.234	-0.0017	07	-54 21 57.53	-0.035	07	0.18	1.253	15	38.5	57.12	18	38.5	B9	C9	5577	P -54 6119
25	8.1	8.4W	39 6.297	0.0010	07	-59 52 3.58	0.012	07	0.14	6.293	14	46.0	3.63	14	46.0	B9	C0	4383	P -59 5696
26	9.2	9.0W	39 7.097	-0.0014	07	-54 15 32.54	-0.045	07	0.18	7.114	15	38.5	32.02	18	38.5	F0	C9	5579	P -53 6068
27		7.5T	39 9.228	-0.0000	13	-57 52 26.21	-0.012	11	0.58	9.229	19	05.2	25.60	18	01.5	B8	GC	19788	P -57 6756
28	7.9	7.7W	39 10.677	0.0021	07	-54 58 13.90	-0.015	07	0.18	10.653	15	38.5	13.73	18	38.5	F5	C9	5580	P -54 6120
29	7.9	7.7W	39 10.835	0.0002	08	-54 58 8.01	-0.024	08	0.19	10.833	15	38.5	7.73	18	38.5	F5	C9	5581	P -54 6120
30	8.8	9.0W	39 20.318	0.0026	13	-56 10 18.48	0.013	13	0.15	20.308	14	46.5	18.52	14	46.5	B8	C0	4617	P -55 6131
31	10.3		39 24.193	-0.0003	14	-59 11 59.20	-0.017	14	0.15	24.194	14	46.5	59.13	14	46.5	A0	C0	4618	P -58 5683
32	9.4	8.1W	39 25.030	-0.0021	07	-52 26 0.35	-0.046	07	0.18	25.054	15	38.5	59.82	18	38.5	K0	C9	5582	P -52 7435
33	8.5	7.1W	39 25.928	0.0006	06	-58 3 14.64	-0.002	06	0.14	25.926	14	46.5	14.64	14	46.5	K0	C0	4619	P -57 6758
34	9.0	9.3W	39 26.250	-0.0019	13	-57 40 32.63	-0.000	13	0.15	26.256	14	46.5	32.63	14	46.5	B9	C0	4620	P -57 6759
35	9.2E	9.0Z	39 30.842	-0.0046	12	-50 1 5.61	-0.003	12	0.64	31.065	28	01.6	5.47	26	01.6	F0	CZ	12562	P -49 7287
36	9.5	9.5W	39 32.304	-0.0039	07	-57 27 15.01	-0.022	07	0.14	32.317	14	46.5	14.93	14	46.5	A2	C0	4621	P -57 6760
37	9.7	9.4W	39 32.710	-0.0055	07	-54 20 46.89	-0.031	07	0.18	32.773	15	38.5	46.52	18	38.5	F0	C9	5583	P -54 6126
38	10.5E	9.6W	39 44.220	-0.0023	12	-51 7 40.55	-0.014	12	0.63	44.329	28	02.2	39.89	26	02.2	A2	CZ	12566	P -50 7169
39	10.9	9.4W	39 45.964	-0.0026	11	-51 57 26.29	-0.041	11	0.21	45.994	15	38.5	25.82	18	38.5	K2	C9	5584	P -51 7084
40		7.5T	39 50.133	0.0044	13	-54 38 22.49	-0.023	12	0.64	49.929	21	03.2	21.33	19	00.6	A3	GC	19803	P -54 6130
41	9.1E	8.0Z	39 54.630	0.0009	12	-51 20 46.17	-0.025	12	0.82	54.587	63	03.4	45.02	57	03.4	K0	CZ	12567	P -51 7088
42	8.5	8.6W	40 4.705	-0.0000	07	-58 34 53.13	-0.000	07	0.14	4.705	14	46.5	53.13	14	46.5	B9	C0	4622	P -58 5686
43	9.3E	9.2W	40 7.072	0.0015	12	-50 21 59.82	0.002	12	0.72	7.003	45	02.9	59.92	45	02.9	F5	CZ	12570	P -50 7180
44	8.5	8.8W	40 12.048	-0.0001	07	-56 27 35.42	0.002	07	0.14	12.048	14	46.5	35.42	14	46.5	B9	C0	4623	P -56 6401
45	9.5E	9.7W	40 14.449	-0.0004	12	-50 16 27.36	-0.017	12	0.72	14.469	45	02.9	26.57	45	02.9	A0	CZ	12571	P -49 7303
46	9.2	8.9W	40 14.541	-0.0080	14	-54 1 35.98	-0.126	14	0.23	14.633	15	38.5	34.52	18	38.5	G0	C9	5587	P -53 6077
47	9.7	9.7W	40 15.289	0.0029	15	-56 8 41.43	0.041	15	0.24	15.255	15	38.5	41.90	18	38.5	B8	C9	5588	P -55 6136
48	9.1	8.8W	40 17.389	0.0020	07	-55 2 23.20	-0.026	07	0.18	17.366	15	38.5	22.91	18	38.5	F5	C9	5589	P -54 6133
49	10.2E	9.4Z	40 18.329	-0.0118	12	-51 11 59.30	-0.045	12	0.72	18.883	45	02.9	57.19	45	02.9	K0	CZ	12573D	P -50 7185
50	11.6E	10.0H	40 18.951	-0.0099	12	-51 11 59.07	-0.011	12	0.72	19.417	45	02.9	58.56	45	02.9	K0	CZ	12574D	P -50 7185
51	10.5		14 40 23.114	-0.0009	14	-57 27 53.48	0.015	14	0.15	23.117	14	46.5	53.54	14	46.5	A0	C0	4624	P -57 6765
52	10.1E	9.5Z	40 23.977	-0.0030	12	-51 42 12.01	-0.038	12	0.66	24.125	31	01.4	10.17	31	01.4	F2	CZ	12576	P -51 7098
53	8.6	8.5W	40 25.433	-0.0011	07	-56 8 51.20	-0.052	07	0.18	25.445	15	38.5	50.60	18	38.5	A0	C9	5590	P -55 6137
54	9.3E	9.5Z	40 28.544	-0.0010	12	-50 55 58.87	-0.016	12	0.72	28.590	45	02.9	58.13	45	02.9	A0	CZ	12578	P -50 7189
55	9.0E	8.8H	40 31.677	-0.0036	12	-50 27 33.38	-0.023	12	0.65	31.052	31	01.7	32.27	28	01.7	F5	CZ	12579	P -50 7191
56	9.0	8.7W	40 33.081	-0.0004	08	-55 35 39.18	-0.007	08	0.19	33.085	15	38.5	39.10	18	38.5	G0	C9	5591	P -55 6138
57	9.7	9.9W	40 33.531	-0.0010	13	-58 50 0.82	0.005	13	0.15	33.535	14	46.5	0.83	14	46.5	B8	C0	4625	P -58 5692
58	10.1E	8.5Z	40 40.276	-0.0029	12	-51 46 53.64	-0.026	12	0.82	40.413	63	03.4	52.42	57	03.4	K2	CZ	12580	P -51 7102
59	9.3E	8.5Z	40 40.607	0.0024	12	-51 43 35.56	-0.018	12	0.82	40.498	63	03.4	34.71	57	03.4	G0	CZ	12581	P -51 7101
60	10.7	10.4W	40 45.552	-0.0011	14	-51 56 19.60	-0.051	14	0.23	45.564	15	38.5	19.02	18	38.5	F8	C9	5593	P -51 7104
61	10.3E	9.5Z	40 49.868	-0.0001	12	-50 57 44.95	-0.026	12	0.72	49.872	45	02.9	43.74	45	02.9		CZ	12583	P -50 7196
62	9.5	8.1W	40 53.358	-0.0005	06	-53 3 39.39	-0.015	06	0.18	53.364	15	38.5	39.22	18	38.5	K0	C9	5594	P -52 7456
63	8.2E	8.0Z	41 3.636	0.0008	12	-50 58 46.58	-0.004	12	0.72	3.597	45	02.9	46.40	45	02.9	A3	CZ	12585	P -50 7203
64	9.2	9.5W	41 4.415	-0.0027	13	-58 41 39.90	0.009	13	0.15	4.424	14	46.5	39.93	14	46.5	B9	C0	4626	P -58 5696
65	8.5	8.8W	41 6.492	0.0013	07	-57 15 17.54	-0.031	07	0.14	6.487	14	46.5	17.43	14	46.5	B9	C0	4627	P -56 6408
66		6.1T	41 11.397	-0.0099	12	-58 15 58.31	-0.056	10	0.58	11.913	19	02.6	55.37	18	98.0	K0	GC	19830	P -57 6772
67	8.3	8.7W	41 27.845	-0.0007	07	-56 54 23.22	-0.025	07	0.14	27.847	14	46.5	23.13	14	46.5	A0	C0	4629	P -56 6414
68	8.6	7.6W	41 27.942	-0.0015	07	-57 19 32.97	-0.009	07	0.14	27.947	14	46.5	32.93	14	46.5	G5	C0	4630	P -57 6776
69	8.8E	8.0H	41 30.447	-0.0022	12	-50 19 10.21	-0.021	12	0.72	30.552	45	02.9	9.23	45	02.9	K2	CZ	12592	P -49 7332
70	10.2E	9.4Z	41 31.177	-0.0015	12	-50 56 56.78	-0.025	12	0.72	31.246	45	02.9	55.61	45	02.9		CZ	12590	P -50 7208
71		6.2T	41 33.663	-0.0013	10	-55 23 27.53	-0.016	07	0.45	33.735	18	04.2	26.65	17	94.9	B3	GC	19835K	P#-55 6150
72		7.7T	41 41.488	0.0014	12	-55 23 45.25	-0.004	09	0.56	41.414	21	02.7	45.04	19	96.7	K0	GC	19838K	P#-55 6152
73	9.9	9.8W	41 43.658	-0.0022	07	-52 36 28.78	-0.031	07	0.18	43.684	15	38.5	28.42	18	38.5	A5	C9	5599	P -52 7471
74	9.9	8.4W	41 43.665	0.0029	07	-59 21 38.25	-0.005	07	0.14	43.655	14	46.5	38.23	14	46.5	K2	C0	4631	P -59 5705
75	9.3	9.5W	41 50.433	-0.0009	07	-54 54 18.87	-0.003	07	0.18	50.443	15	38.5	18.83	18	38.5	B8	C9	5600	P -54 6149
76		6.4T	41 50.870	-0.0003	16	-51 6 14.69	-0.007	12	0.76	50.883	19	00.2	14.33	18	96.7	K0	GC	19843	C -50 8791
77	9.6E	9.0Z	41 54.086	0.0018	12	-51 46 59.21	-0.011	12	0.82	54.004	63	03.4	58.69	57	03.4	F8	CZ	12596	P -51 7124
78	8.3	8.7W	42 22.381	-0.0021	06	-56 17 6.89	-0.018	06	0.14	22.388	14	46.5	6.82	14	46.5	A0	C0	4632	P -55 6157
79	9.9	9.5W	42 41.866	-0.0051	13	-59 34 8.64	-0.057	13	0.15	41.883	14	46.5	8.44	14	46.5	G0	C0	4633	P -59 5709
80	8.7	8.8W	42 47.484	-0.0024	07	-59 49 12.99	-0.041	07	0.14	47.493	14	46.1	12.83	14	46.1	A2	C0	4402	P -59 5710
81	8.9	8.5W	42 52.994	-0.0043	07	-55 58 28.89	-0.049	07	0.14	53.009	14	46.5	28.72	14	46.5	F8	C0	4635	P -55 6161
82	9.4E	8.4H	42 53.490	-0.0028	12	-50 13 56.96	-0.005	12	0.72	53.623	45	02.9	56.73	45	02.9	K2	CZ	12615	P -49 7350
83	8.3	8.6W	42 57.076	-0.0002	06	-56 12 32.97	-0.012	06	0.14	57.078	14	46.5	32.92	14	46.5	A2	C0	4636	P -55 6162
84	8.4	8.6W	42 57.401	0.0007	06	-54 7 48.61	-0.025	06	0.18	57.393	15	38.5	48.32	18	38.5	A0	C9	5602	P -53 6094
85		8.1T	42 58.642	0.0001	12	-57 1 32.35	-0.003	09	0.56	58.638	21	01.2	32.19	18	95.7	B8	GC	19861	P -56 6423
86		8.4T	43 11.662	-0.0013	17	-53 39 8.96	-0.007	12	0.73	11.720	22	04.5	8.59	19	00.2	B9	GC	19869	P -53 6099
87	8.4	8.7W	43 12.487	-0.0040	07	-54 34 11.41	-0.034	07	0.18	12.534	15	38.5	11.03	18	38.5	B9	C9	5604	P -54 6155
88	9.1	9.4W	43 14.826	0.0002	13	-53 53 7.48	0.039	13	0.22	14.824	15	38.5	7.92	18	38.5	B9	C9	5605	P -53 6100
89	8.4	8.8W	43 15.245	0.0002	07	-54 36 37.37	-0.020	07	0.18	15.243	15	38.5	37.13	18	38.5	B9	C9	5606	P -54 6156
90	10.5	10.2W	43 22.269	-0.0056	09	-52 59 42.85	0.015	09	0.20	22.334	15	38.5	43.02	18	38.5	G0	C9	5607	P -52 7492
91	7.7	7.8W	43 29.517	-0.0029	07	-57 28 4.94	-0.029	07	0.14	29.527	14	46.5	4.83	14	46.5	A2	C0	4638	P -57 6785
92		5.2H	43 30.576	-0.0018	04	-52 10 23.89	-0.088	03	0.14	30.630	07	19.8	20.99	06	17.1	K0	F4	546	C -51 8457
93		7.3T	43 30.971	-0.0046	14	-53 33 54.97	-0.034	11	0.65	31.186	21	03.1	53.21	19	99.0	K0	GC	19877	P -53 6103
94	10.1E	9.5Z	43 41.237	-0.0035	12	-50 22 40.98	-0.036	12	0.72	41.403	45	02.9	39.28	45	02.9		CZ	12622	P -50 7234
95		6.3T	43 41.959	-0.0024	12	-51 59 46.83	-0.020	12	0.65	42.083	18	99.2	45.78	17	97.7	A0	GC	19882K	C -51 8461
96	10.2	10.1W	43 47.896	-0.0006	15	-52 43 48.86	-0.021	15	0.24	47.904	15	38.5	48.62	18	38.5	A3	C9	5612	P -52 7498
97	9.3E	10.0Z	43 50.671	-0.0000	12	-50 8 35.86	-0.013	12	0.72	50.672	45	02.3	35.24	45	02.3	B9	CZ	12623	P -49 7364
98	9.7	9.2W	43 51.973	-0.0000	07	-53 0 4.27	-0.022	07	0.18	51.974	15	38.5	4.02	18	38.5	A5	C9	5613	P -52 7499
99	9.9	9.6W	44 7.071	-0.0020	06	-56 20 39.18	-0.016	06	0.14	7.078	14	46.5	39.12	14	46.5	F8	C0	4639	P -56 6431
00	9.1	8.0W	44 12.689	-0.0039	06	-52 23 21.06	0.005	06	0.18	12.734	15	38.5	21.12	18	38.5	G5	C9	5615	P -52 7508

242000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
1	9.2	9.0W	14 44 14.719	-0.0023	07	-55 50 4.39	-0.042	07	0.18	14.745	15	38.5	3.90	18	38.5	F5	C9	5616
2	10.3	10.2W	44 21.954	0.0008	14	-51 53 49.30	-0.007	14	0.23	21.944	15	38.5	49.22	18	38.5	F5	C9	5617
3	9.3	7.9W	44 23.140	-0.0018	05	-58 21 48.03	-0.027	05	0.14	23.146	14	46.5	47.93	14	46.5	K0	C0	4640
4	9.7	9.7W	44 24.041	0.0017	12	-59 19 25.30	0.011	12	0.15	24.035	14	46.5	25.33	14	46.5	A0	C0	4641
5	10.5	10.3W	44 32.519	-0.0012	12	-59 47 1.79	-0.016	12	0.15	32.523	14	46.5	1.73	14	46.5	A0	C0	4642
6	7.8	8.0W	44 33.553	-0.0037	07	-55 48 0.94	-0.038	07	0.18	33.595	15	38.5	0.50	18	38.5	A0	C9	5619
7	9.5	9.4W	44 37.831	0.0004	15	-55 10 34.61	0.026	15	0.24	37.826	15	38.5	34.91	18	38.5	B9	C9	5620
8	10.1	9.7W	44 38.714	0.0002	14	-59 35 0.34	-0.002	14	0.15	38.713	14	46.5	0.33	14	46.5	A0	C0	4643
9	9.6	9.3W	44 39.842	0.0066	07	-56 14 40.08	-0.017	07	0.14	39.818	14	46.5	40.02	14	46.5	F8	C0	4644
10	9.9	9.8W	44 44.918	-0.0024	09	-55 49 3.69	-0.051	09	0.20	44.945	15	38.5	3.10	18	38.5	A2	C9	5621
11	8.6	8.3W	44 45.141	-0.0079	06	-56 13 38.92	-0.057	06	0.14	45.168	14	46.5	38.72	14	46.5	F8	C0	4645
12	9.2	9.4W	44 52.251	0.0014	07	-56 4 40.81	-0.044	07	0.18	52.235	15	38.5	40.30	18	38.5	A0	C9	5622
13	9.6	9.8W	44 56.161	-0.0037	13	-54 15 55.18	0.004	13	0.22	56.204	15	38.5	55.22	18	38.5	B8	C9	5623
14	9.9E	9.5Z	44 56.218	-0.0021	12	-50 33 20.20	-0.033	12	0.72	56.316	45	02.9	18.64	45	02.9	G	CZ	126390
15	9.8	9.5W	44 59.273	-0.0000	07	-53 4 22.95	-0.064	07	0.18	59.274	15	38.5	22.21	18	38.5	G0	C9	5624
16	9.5E	9.0Z	45 8.180	-0.0019	12	-51 28 45.53	-0.020	12	0.82	8.267	63	03.4	44.60	57	03.4	K0	CZ	12642
17	10.1E	9.8Z	45 10.487	-0.0025	12	-50 8 41.37	-0.028	12	0.72	10.606	45	02.7	40.05	45	02.7		CZ	12647
18	9.9	8.7W	45 10.603	-0.0008	07	-58 26 50.81	-0.020	07	0.14	10.606	14	46.5	50.73	14	46.5	K0	C0	4646
19		7.1T	45 13.586	-0.0001	15	-57 54 43.89	-0.024	11	0.61	13.582	19	07.4	42.79	18	03.3	F8	GC	19913
20	8.4	8.6W	45 14.666	0.0002	06	-53 53 52.48	-0.005	06	0.18	14.663	15	38.5	52.42	18	38.5	B9	C9	5625
21	8.7E	8.0Z	45 15.833	0.0002	12	-51 10 33.17	-0.022	12	0.62	15.822	26	02.2	32.13	24	02.2	K0	CZ	12649
22	10.7E	9.6W	45 16.120	-0.0005	12	-50 34 15.70	-0.023	12	0.63	16.143	28	02.2	14.60	26	02.2		CZ	12650
23	10.0E	9.7Z	45 16.185	-0.0003	12	-50 14 51.01	-0.007	12	0.67	18.200	36	03.1	50.69	36	03.1	A0	CZ	12651
24	9.5	9.3W	45 23.746	-0.0022	13	-59 41 47.33	0.001	13	0.15	23.753	14	46.5	47.33	14	46.5	B9	C0	4648
25		6.5T	45 26.135	-0.0007	09	-59 11 59.96	-0.025	08	0.47	26.173	17	00.3	58.69	15	98.7	+++	GC	19914K
26		6.3T	45 26.356	-0.0128	11	-56 27 30.98	-0.125	07	0.52	27.111	22	02.3	23.62	18	91.1	K0	GC	19915
27	10.0	10.0W	45 30.117	0.0006	06	-59 12 20.74	-0.000	06	0.14	30.115	14	46.5	20.74	14	46.5	A3	C0	4651
28	9.6	9.2W	45 30.506	-0.0220	13	-59 52 16.52	-0.081	13	0.15	30.583	14	46.5	16.24	14	46.5	G5	C0	4652
29	9.5	9.6W	45 33.090	0.0030	09	-55 48 4.27	0.003	09	0.20	33.055	15	38.5	4.30	18	38.5	A2	C9	5627
30	9.4	8.4W	45 36.505	0.0002	05	-59 14 20.20	-0.018	05	0.14	36.505	14	46.5	20.14	14	46.5	G5	C0	4653
31	9.2	9.1W	45 37.094	-0.0008	07	-54 0 33.95	-0.019	07	0.18	37.104	15	38.5	33.72	18	38.5	A3	C9	5628
32	9.5	9.6W	45 40.146	-0.0008	09	-55 43 17.51	-0.035	09	0.20	40.155	15	38.5	17.10	18	38.5	A0	C9	5629
33	8.2	7.8W	45 40.342	-0.0014	06	-57 13 48.36	-0.035	06	0.14	40.347	14	46.5	48.24	14	46.5	F5	C0	4654
34	9.5	9.3W	45 40.840	-0.0009	07	-59 30 14.56	-0.007	07	0.14	40.843	14	46.5	14.54	14	46.5	B8	C0	4655
35		8.5T	45 44.227	-0.0168	12	-58 55 25.34	-0.038	10	0.56	45.056	19	05.1	23.49	18	00.8	G0	GC	19922
36	10.2E	9.0Z	45 45.646	-0.0046	12	-50 52 25.90	-0.035	12	0.71	45.859	45	03.5	24.28	45	03.5	K5	CZ	12654
37	9.5	9.4W	45 50.159	0.0005	07	-56 44 47.33	-0.027	07	0.14	50.157	14	46.5	47.23	14	46.5	A2	C0	4657
38	9.6	9.3W	45 53.086	0.0021	07	-56 13 12.44	-0.004	07	0.14	53.078	14	46.5	12.42	14	46.5	B0	C0	4658
39	7.7	7.9W	46 9.506	-0.0004	06	-57 8 22.22	-0.024	06	0.14	9.507	14	46.5	22.13	14	46.5	A2P	C0	4659
40	9.2	9.4W	46 13.105	-0.0007	07	-53 14 27.90	-0.033	07	0.18	13.114	15	38.5	27.52	18	38.5	B8	C9	5631
41	9.4	9.0W	46 14.674	0.0027	07	-59 7 29.76	-0.007	07	0.14	14.665	14	46.5	29.73	14	46.5	B3	C0	4660
42		7.2T	46 14.845	-0.0009	16	-52 32 15.38	-0.008	12	0.69	14.888	21	04.2	14.96	19	00.2	A0	GC	19930
43	10.4	10.3W	46 25.481	-0.0028	09	-52 31 59.92	-0.018	09	0.20	25.514	15	38.5	59.72	18	38.5	A8	C9	5633
44	9.8	9.5W	46 26.494	0.0008	09	-52 17 58.20	0.010	09	0.20	26.484	15	38.5	58.32	18	38.5	F2	C9	5634
45	7.9	6.9W	46 28.220	-0.0012	12	-58 46 11.90	0.010	12	0.15	28.224	14	46.5	11.93	14	46.5	G5	C0	4661
46	9.9	8.9W	46 30.521	-0.0010	07	-59 23 8.15	-0.004	07	0.14	30.524	14	46.5	8.13	14	46.5	K0	C0	4662
47	10.2E	9.7Z	46 43.399	0.0010	12	-51 28 41.20	-0.001	12	0.82	43.352	63	03.4	41.16	57	03.4	F5	CZ	12667
48	11.9E	11.4Z	46 46.308	-0.0006	12	-51 23 30.46	-0.014	12	0.82	46.335	63	03.4	29.82	57	03.4	A	CZ	12670
49	10.3E	9.6Z	46 46.437	0.0010	12	-51 23 18.46	-0.012	12	0.82	46.389	63	03.4	17.91	57	03.4	A	CZ	12671
50	7.6	7.9W	46 46.519	-0.0005	07	-52 10 43.65	-0.012	07	0.18	46.524	15	38.5	43.52	18	38.5	B9	C9	5635
51	8.5	8.5W	14 46 49.074	0.0018	07	-56 56 45.71	-0.021	07	0.14	49.067	14	46.5	45.64	14	46.5	A2	C0	4663
52	10.1	10.3W	46 56.814	-0.0147	15	-52 53 6.32	-0.000	15	0.24	56.984	15	38.5	6.32	18	38.5	A0	C9	5637
53	10.1	9.1W	46 58.481	0.0006	07	-51 56 50.46	-0.004	07	0.18	58.474	15	38.5	50.42	18	38.5	G5	C9	5638
54	8.9	8.1W	47 0.742	-0.0001	07	-53 25 46.48	0.038	07	0.18	0.744	15	38.5	46.92	18	38.5	K0	C9	5639
55	9.6	8.7W	47 2.524	0.0015	09	-55 12 52.77	-0.006	09	0.20	2.506	15	38.5	52.71	18	38.5	K0	C9	5640
56	9.9	9.7W	47 4.750	-0.0012	09	-59 27 48.24	-0.001	09	0.14	4.755	14	46.5	48.23	14	46.5	B9	C0	4664
57		7.0T	47 6.275	0.0007	12	-54 48 11.40	-0.008	11	0.63	6.242	19	00.7	10.96	18	98.1	K2	GC	19948
58	9.5	9.3W	47 7.596	-0.0007	07	-56 19 44.17	-0.041	07	0.14	7.598	14	46.5	44.02	14	46.5	A3	C0	4665
59	9.0	8.8W	47 9.832	-0.0002	06	-52 3 30.77	-0.013	06	0.18	9.834	15	38.5	30.62	18	38.5	B3	C9	5642
60	9.9E	9.4Z	47 11.948	0.0003	12	-51 42 8.32	-0.005	12	0.82	11.936	63	03.4	8.10	57	03.4	A2	CZ	12681
61		6.8T	47 16.940	-0.0002	13	-53 9 43.20	-0.046	10	0.60	16.947	21	03.2	40.75	19	97.2	A0	GC	19952
62	9.6	9.6W	47 28.231	-0.0004	15	-55 52 5.39	0.010	15	0.24	28.235	15	38.5	5.50	18	38.5	A2	C9	5644
63		7.2T	47 31.649	-0.0020	14	-59 17 49.75	0.013	12	0.65	31.749	21	04.5	50.40	19	01.3	K2	GC	19958
64	10.1E	9.5Z	47 35.328	-0.0017	12	-50 20 12.23	-0.026	12	0.71	35.409	45	03.5	11.02	45	03.5	G5	CZ	12692
65	10.1E	9.0Z	47 36.606	0.0007	12	-50 48 17.49	-0.020	12	0.71	36.572	45	03.5	16.57	45	03.5	A0	CZ	12693
66	10.5E	9.8*	47 47.775	0.0001	12	-50 5 8.02	-0.027	12	0.64	47.771	28	01.7	6.72	26	01.7		CZ	12696
67	9.1	9.4W	47 50.509	-0.0004	07	-53 42 29.55	-0.037	07	0.18	50.514	15	38.5	29.12	18	38.5	B8	C9	5645
68	10.3	9.4W	48 0.733	-0.0026	15	-53 3 39.58	0.030	15	0.24	0.764	15	38.5	39.92	18	38.5	G5	C9	5646
69	10.0E	9.6Z	48 1.728	-0.0016	12	-50 9 37.17	0.010	12	0.72	1.653	45	02.9	37.65	45	02.9		CZ	12703
70	10.5	10.2W	48 9.765	-0.0042	13	-52 42 1.60	0.010	13	0.22	9.814	15	38.5	1.72	18	38.5	B9	C9	5647
71	9.2	8.3W	48 24.160	-0.0134	07	-56 43 33.18	-0.099	07	0.14	24.207	14	46.5	32.83	14	46.5	G5	C0	4667
72	9.3	8.9W	48 35.367	0.0021	07	-53 8 21.81	-0.051	07	0.18	35.344	15	38.5	21.22	18	38.5	G0	C9	5649
73	8.7	8.9W	48 42.747	-0.0002	07	-57 15 37.45	-0.005	07	0.14	42.747	14	46.5	37.43	14	46.5	B5	C0	4669
74	9.8	9.4W	48 43.696	-0.0189	09	-54 27 1.63	-0.087	09	0.20	43.914	15	38.5	0.62	18	38.5	G0	C9	5650
75	9.8	8.0W	48 53.988	0.0002	09	-55 30 38.96	-0.022	09	0.20	53.985	15	38.5	38.71	18	38.5	MB	C9	5651
76	9.4E	9.7Z	48 55.288	0.0007	12	-50 14 46.17	-0.009	12	0.71	55.257	45	03.5	45.76	45	03.5	B8	CZ	12718
77	8.7	8.8W	48 58.288	0.0004	07	-53 9 46.15	-0.029	07	0.18	58.284	15	38.5	45.82	18	38.5	A2	C9	5652
78	9.0E	9.0Z	48 59.936	0.0011	12	-51 27 8.32	-0.003	12	0.66	59.881	31	01.4	8.18	31	01.4	A0	CZ	12720
79	8.9	8.6W	49 0.490	0.0020	09	-59 33 59.66	-0.007	09	0.14	0.483	14	46.5	59.64	14	46.5	F0	C0	4670
80	8.9	8.8W	49 5.574	0.0027	07	-53 4 19.58	-0.032	07	0.18	5.544	15	38.5	19.22	18	38.5	F8	C9	5653
81	8.7E	7.8H	49 5.761	-0.0015	12	-50 22 39.87	-0.024	12	0.71	5.832	45	03.5	38.75	45	03.5	MA	CZ	12724
82	10.1	9.1W	49 6.914	-0.0026	07	-52 4 19.65	-0.012	07	0.18	6.944	15	38.5	19.52	18	38.5	K0	C9	5654
83	9.7E	8.5Z	49 7.952	-0.0013	12	-50 29 21.51	-0.012	12	0.71	8.014	45	03.5	20.95	45	03.5	MA	CZ	12726
84	8.0	8.2W	49 21.720	-0.0037	10	-59 30 39.83	-0.000	10	0.14	21.733	14	46.5	39.83	14	46.5	A0	C0	4671
85	8.5	8.7W	49 23.156	0.0021	07	-56 5 41.00	-0.023	07	0.14	23.148	14	46.5	40.92	14	46.5	B9	C0	4672
86	10.1	9.7W	49 23.338	-0.0100	12	-52 40 32.60	-0.024	12	0.22	23.454	15	38.5	32.32	18	38.5	F8	C9	5656
87	9.6E	9.0Z	49 25.136	-0.0001	12	-51 15 10.84	-0.071	12	0.82	25.139	63	03.4	7.54	57	03.4	G5	CZ	12732
88	9.2	7.6W	49 38.860	-0.0049	07	-56 40 38.76	-0.035	07	0.14	38.877	14	46.5	38.63	14	46.5	K2	C0	4673
89	9.6	9.6W	49 39.068	-0.0024	06	-58 7 21.72	-0.024	06	0.14	39.076	14	46.5	21.63	14	46.5	A0	C0	4674
90	9.5	9.6W	49 42.807	0.0012	09	-53 38 16.16	0.006	09	0.20	42.793	15	38.5	16.22	18	38.5	B9	C9	5657
91	9.9	9.6W	49 45.267	-0.0031	09	-54 23 36.68	-0.048	09	0.20	45.304	15	38.5	36.12	18	38.5	F0	C9	5658
92	10.4	9.6W	49 45.636	-0.0016	07	-52 7 51.13	-0.027	07	0.18	45.654	15	38.5	50.81	18	38.5	G	C9	5659
93	8.7	8.5W	49 54.414	-0.0027	07	-59 57 50.79	-0.016	07	0.14	54.423	14	46.5	50.73	14	46.5	F8	C0	4675
94	9.2	9.0W	49 58.218	0.0063	07	-55 59 49.84	0.006	07	0.18	58.145	15	38.5	49.90	18	38.5	F8	C9	5660
95	10.0E	9.5Z	49 58.958	0.0012	12	-50 53 45.46	-0.010	12	0.64	58.900	31	02.1	44.99	28	02.1	A0	CZ	12739
96	8.4	8.6W	49 59.080	-0.0038	07	-54 52 59.37	-0.064	07	0.18	59.124	15	38.5	58.63	18	38.5	A2	C9	5661
97	9.3	7.9W	49 59.154	0.0009	07	-53 1 59.88	-0.014	07	0.18	59.144	15	38.5	59.72	18	38.5	K0	C9	5662
98	10.0	9.7W	50 4.792	-0.0010	15	-52 41 5.51	-0.008	15	0.24	4.804	15	38.5	5.41	18	38.5	F0	C9	5663
99	8.6	8.9W	50 9.946	-0.0034	08	-55 48 28.08	-0.007	08	0.19	9.985	15	38.5	28.00	18	38.5	B8	C9	5665
00	8.6	7.8W	50 15.506	-0.0058	06	-54 50 39.14	-0.053	06	0.18	15.573	15	38.5	38.53	18	38.5	G5	C9	5666

SOURCE DM NUMBER

DM NUMBER
P -55 6172
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-50°
14H

242100 — EPOCH 1950 — ORIGINAL EPOCH — -50° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.1	9.1W	14 50 15.665	0.0017	07	-56 0 42.16	-0.048	07	0.18	15.645	15	38.5	41.60	18	38.5	A0	C9	5667	P -55 6233
2	8.9	9.0W	50 18.749	0.0014	07	-58 42 22.93	0.003	07	0.14	18.745	14	46.5	22.93	14	46.5	B9	C0	4676	P -58 5742
3	8.0	8.3W	50 39.040	-0.0003	06	-52 59 40.07	-0.022	06	0.18	39.044	15	38.5	39.82	18	38.5	A0	C9	5668	P -52 7659
4	8.3	8.2W	50 39.505	-0.0007	07	-56 50 39.02	-0.053	07	0.14	39.507	14	46.5	38.83	14	46.5	F0	C0	4677	P -56 6479
5	8.9	8.8W	50 46.947	0.0009	07	-59 47 29.25	-0.004	07	0.14	46.943	14	46.5	29.23	14	46.5	A0	C0	4678	P -59 5749
6	8.9E	9.0Z	50 55.919	-0.0006	12	-50 6 34.94	-0.020	12	0.65	55.948	31	01.7	33.98	28	01.7	B8	CZ	12754	P -49 7477
7	9.4E	9.0Z	51 7.080	0.0035	12	-51 12 10.28	-0.039	12	0.82	6.916	63	03.4	8.48	57	03.4	G0	CZ	12756	P -50 7341
8	9.6	9.3W	51 15.603	-0.0008	07	-58 2 35.52	-0.025	07	0.14	15.606	14	46.5	35.43	14	46.5	G0	C0	4679	P -57 6832
9	9.8E	8.5Z	51 17.638	-0.0031	12	-50 37 13.01	-0.019	12	0.66	17.781	36	03.5	12.12	36	03.5	K5	CZ	12758	P -50 7344
10	9.1	9.3W	51 28.212	0.0032	15	-55 31 44.62	-0.019	15	0.24	28.175	15	38.5	44.40	18	38.5	B8	C9	5670	P -55 6242
11		5.2T	51 41.972	-0.0169	07	-59 54 36.84	-0.108	05	0.26	42.712	07	09.4	32.10	07	06.1	K0	GC	20054	P*-59 5753
12	8.3	7.9W	51 44.769	-0.0006	07	-55 13 43.90	-0.017	07	0.18	44.776	15	38.5	43.71	18	38.5	A2	C9	5672	P*-54 6214
13	9.8E	9.2M	51 45.457	-0.0027	12	-50 11 59.23	-0.017	12	0.71	45.583	45	03.5	58.44	45	03.5	G0	CZ	12762	P -49 7496
14	9.6	9.8W	51 48.133	-0.0004	11	-58 38 25.55	-0.005	11	0.15	48.135	14	46.5	25.53	14	46.5	A0	C0	4681	P -58 5756
15	10.0E	9.5*	51 58.166	-0.0003	12	-51 25 31.30	-0.015	12	0.66	58.180	31	01.4	30.58	31	01.4	A0	CZ	12764	P -51 7306
16	8.7	8.5W	52 3.526	-0.0032	07	-53 27 4.73	-0.027	07	0.18	3.564	15	38.5	4.42	18	38.5	F5	C9	5673	P -53 6158
17	9.4	9.2W	52 17.737	0.0057	13	-56 44 34.22	-0.052	13	0.15	17.717	14	46.5	34.04	14	46.5	F2	C0	4682	P -56 6492
18	9.0	8.7W	52 35.401	-0.0037	07	-59 57 55.98	-0.012	07	0.14	35.413	14	46.5	55.93	14	46.5	F2	C0	4683	P -59 5758
19	10.1	9.9W	52 38.472	-0.0002	14	-52 3 21.35	-0.046	14	0.23	38.474	15	38.5	20.82	18	38.5	F8	C9	5674	P*-51 7314
20		5.6T	52 42.802	0.0035	08	-52 36 29.25	-0.002	05	0.31	42.669	14	12.6	29.14	12	05.2	A2	GC	20068	P*-52 7634
21	10.2	9.9W	52 45.887	-0.0050	09	-58 43 56.96	-0.036	09	0.14	45.905	14	46.5	56.84	14	46.5	A2	C0	4684	P -58 5761
22	9.3E	9.0Z	52 51.092	-0.0014	12	-50 56 30.05	-0.017	12	0.64	51.158	31	02.1	29.24	28	02.1	A2	CZ	12774	P -50 7367
23	9.5	9.1W	52 54.463	0.0017	07	-53 32 13.61	-0.033	07	0.18	54.444	15	38.5	13.22	18	38.5	F0	C9	5676	P -53 6161
24	9.6	9.5W	53 14.330	-0.0046	09	-53 33 56.06	-0.029	09	0.20	14.384	15	38.5	55.72	18	38.5	A2	C9	5677	P -53 6165
25	8.0E	7.6H	53 14.813	-0.0017	12	-50 23 13.26	-0.021	12	0.64	14.896	31	02.1	12.26	28	02.1	A0	CZ	12782	P -50 7379
26	8.3	8.6W	53 15.071	-0.0014	07	-57 59 24.90	-0.017	07	0.14	15.076	14	46.5	24.84	14	46.5	B5	C0	4685	P -57 6846
27		7.5T	53 24.342	0.0048	16	-55 42 39.92	-0.026	11	0.67	24.111	21	05.7	38.66	21	01.7	F0	GC	20081	P -55 6256
28		6.5T	53 30.199	-0.0079	15	-51 14 45.25	-0.011	15	0.63	30.560	21	04.1	44.72	18	00.7	M0	GC	20085	C -50 8939
29	9.0	9.0W	53 36.109	-0.0021	07	-53 27 33.60	-0.007	07	0.18	36.134	15	38.5	33.52	18	38.5	A2	C9	5679	P -53 6169
30	9.4	9.5W	53 43.565	-0.0027	07	-59 0 11.72	-0.024	07	0.14	43.575	14	46.5	11.64	14	46.5	B9	C0	4686	P -58 5767
31	9.7	9.6W	53 51.315	-0.0034	09	-52 28 12.61	-0.008	09	0.20	51.354	15	38.5	12.52	18	38.5	A0	C9	5680	P -52 7648
32	9.3	9.4W	53 54.222	-0.0010	07	-54 52 24.50	-0.032	07	0.18	54.234	15	38.5	24.13	18	38.5	A0	C9	5681	P -54 6225
33	9.6	9.7W	54 0.816	0.0002	15	-53 8 31.13	-0.001	15	0.24	0.814	15	38.5	31.12	18	38.5	A0	C9	5682	P -52 7652
34	9.0	9.1W	54 12.399	0.0007	07	-57 33 55.40	-0.019	07	0.14	12.398	14	46.5	55.33	14	46.5	B8	C0	4687	P -57 6850
35	9.3	9.3W	54 23.594	-0.0010	07	-56 47 17.91	-0.022	07	0.14	23.597	14	46.5	17.83	14	46.5	A0	C0	4688	P -56 6512
36	9.3	9.3W	54 26.057	-0.0024	06	-52 16 16.68	-0.032	06	0.18	26.084	15	38.5	16.32	18	38.5	A2	C9	5683	P -51 7346
37	9.4	9.6W	54 39.469	-0.0021	07	-57 41 55.57	-0.010	07	0.14	39.476	14	46.5	55.54	14	46.5	B9	C0	4689	P -57 6854
38	9.7	8.1W	54 53.608	0.0005	07	-57 39 5.11	-0.023	07	0.14	53.606	14	46.5	5.03	14	46.5	M8	C0	4690	P -57 6856
39	9.0E	8.5Z	54 58.142	-0.0023	12	-51 38 16.00	-0.040	12	0.66	58.255	31	01.4	14.07	31	01.4	F2	CZ	12806	P -51 7355
40	9.5	9.6W	55 3.747	-0.0024	07	-52 24 47.26	-0.030	07	0.18	3.774	15	38.5	46.92	18	38.5	A0	C9	5684	P -52 7662
41	9.8	8.9W	55 18.909	-0.0015	09	-55 15 56.26	-0.022	09	0.20	18.926	15	38.5	56.01	18	38.5	K0	C9	5686	P -54 6233
42	9.4	8.4W	55 34.884	-0.0017	06	-53 17 27.79	-0.015	06	0.18	34.904	15	38.5	27.62	18	38.5	K0	C9	5687	P -52 7672
43	9.3E	9.0Z	55 42.731	-0.0009	12	-50 40 44.63	-0.011	12	0.64	42.773	31	02.1	44.10	28	02.1	A0	CZ	12818	P -50 7421
44	9.7	9.7W	55 43.818	0.0012	14	-52 6 51.09	-0.032	14	0.23	43.804	15	38.5	50.72	18	38.5	A2	C9	5688	P -51 7371
45		9.4T	55 44.004	-0.0015	20	-50 21 42.25	-0.040	15	0.87	44.073	24	04.7	40.19	22	98.2	F5	GC	20142	C*-50 8972
46		6.9T	55 46.768	-0.0030	11	-51 22 37.60	-0.018	10	0.60	46.922	22	98.2	36.61	19	93.9	B8	GC	20144	C -51 8631
47	9.3	9.2W	55 54.708	0.0026	07	-56 23 30.44	-0.034	07	0.14	54.698	14	46.5	30.32	14	46.5	A3	C0	4691	P -56 6521
48	8.6	8.6W	55 57.388	0.0029	07	-57 9 16.28	-0.013	07	0.14	57.377	14	46.5	16.24	14	46.5	A2	C0	4692	P -56 6522
49	9.3	9.4W	55 57.480	0.0006	15	-54 31 20.80	-0.032	15	0.24	57.474	15	38.5	20.43	18	38.5	B9	C9	5689	P -54 6236
50	9.2	9.1W	56 2.788	0.0004	08	-52 46 55.51	-0.017	08	0.19	2.784	15	38.5	55.31	18	38.5	A2	C9	5690	P -52 7678
51	9.5	9.5W	14 56 4.709	-0.0004	08	-53 57 22.71	-0.051	08	0.19	4.713	15	38.5	22.12	18	38.5	A0	C9	5692	P -53 6181
52	10.4	10.1W	56 5.306	0.0003	09	-58 55 44.38	-0.012	09	0.14	5.304	14	46.0	44.33	14	46.0	A2	C0	4693	P -58 5776
53	9.1	8.3W	56 5.359	0.0005	07	-57 11 32.14	-0.027	07	0.14	5.357	14	46.0	32.03	14	46.0	F2	C0	4694	P -56 6523
54	8.7	8.9W	56 9.318	-0.0021	07	-58 7 6.53	-0.026	07	0.14	9.326	14	46.0	6.43	14	46.0	B8	C0	4695	P -57 6866
55	9.4E	9.0H	56 18.652	-0.0009	12	-50 13 51.80	-0.009	12	0.71	18.695	45	03.5	51.38	45	03.5	A0	CZ	12832	P -49 7571
56	9.4	9.5W	56 18.857	0.0008	07	-58 44 34.79	-0.015	07	0.14	18.854	14	46.0	34.73	14	46.0	B9	C0	4696	P -58 5777
57	9.4	9.6W	56 20.774	-0.0027	07	-58 44 16.64	-0.002	07	0.14	20.784	14	46.0	16.63	14	46.0	B9	C0	4697	P -58 5778
58	9.0	8.9W	56 23.461	-0.0045	06	-54 51 4.97	-0.029	06	0.18	23.514	15	38.5	4.63	18	38.5	A2	C9	5693	P -54 6241
59	7.7	7.8W	56 24.453	-0.0038	06	-55 18 34.31	-0.018	06	0.18	24.496	15	38.5	34.11	18	38.5	A0	C9	5694	P -55 6284
60	9.3	7.6W	56 26.961	-0.0014	06	-58 6 28.28	-0.011	06	0.14	26.966	14	46.0	28.23	14	46.0	MA	C0	4698	P -57 6871
61	9.0	8.0W	56 27.747	-0.0001	07	-56 55 50.52	-0.023	07	0.14	27.747	14	46.0	50.43	14	46.0	G5	C0	4699	P -56 6528
62	9.6	9.4W	56 28.004	-0.0011	13	-55 56 44.09	-0.018	13	0.15	28.008	14	46.0	44.02	14	46.0	A0	C0	4700	P -55 6285
63	10.0	10.1W	56 36.712	-0.0027	07	-53 7 35.48	-0.040	07	0.18	36.744	15	38.5	35.01	18	38.5	A0	C9	5696	P -52 7690
64		7.5T	56 50.512	0.0035	12	-59 36 48.30	-0.055	10	0.50	50.354	17	07.0	45.85	15	05.3	F8	GC	20172	P -59 5773
65	9.4	9.2W	56 51.022	0.0011	13	-56 44 19.91	-0.045	13	0.15	51.017	14	46.0	19.73	14	46.0	F2	C0	4702	P -56 6534
66	9.5	9.0W	56 51.961	-0.0011	06	-53 17 28.46	-0.021	06	0.18	51.974	15	38.5	28.22	18	38.5	F5	C9	5697	P -52 7696
67	9.3	9.5W	56 58.215	-0.0007	15	-53 52 2.29	-0.014	15	0.24	58.224	15	38.5	2.12	18	38.5	A0	C9	5698	P -53 6186
68	8.9	9.0W	57 1.058	-0.0023	08	-52 17 40.62	-0.026	08	0.19	1.084	15	38.5	40.32	18	38.5	A0	C9	5699	P -51 7401
69	9.6	9.5W	57 11.143	0.0001	07	-59 41 50.60	-0.017	07	0.14	11.143	14	46.0	50.53	14	46.0	B3	C0	4703	P -59 5775
70	9.0E	9.0Z	57 15.540	0.0017	12	-50 3 0.54	-0.013	12	0.65	15.459	31	01.8	-59.92	28	01.8	B9	CZ	12846	P -49 7586
71	9.5	9.7W	57 38.049	-0.0022	14	-52 26 49.56	-0.021	14	0.23	38.074	15	38.5	49.32	18	38.5	B9	C9	5702	P -52 7705
72	9.8	9.1W	57 42.457	-0.0169	07	-59 26 38.52	-0.247	07	0.14	42.524	14	46.0	37.53	14	46.0	G5	C0	4704	P -59 5778
73	9.3	9.4W	57 50.490	-0.0003	07	-54 46 23.95	-0.027	07	0.18	50.494	15	38.5	23.63	18	38.5	A0	C9	5703	P*-54 6260
74		6.9T	57 54.336	0.0018	14	-52 7 2.03	-0.053	14	0.25	6.564	15	38.5	1.42	18	38.5	K0	GC	20185	P -55 6296
75	10.1E	9.5Z	57 59.238	-0.0021	12	-50 56 13.80	-0.027	12	0.72	59.336	45	02.9	12.54	45	02.9	A	CZ	12858	P -50 7464
76	9.7E	9.5Z	58 6.061	-0.0001	12	-50 56 31.04	-0.001	12	0.65	6.065	31	01.7	31.00	28	01.7	A2	CZ	12861	P -50 7466
77		9.0T	58 6.397	-0.0012	20	-51 43 11.91	-0.008	16	0.88	6.454	24	03.6	11.51	22	00.9	G5	GC	20192	C -51 8668
78	9.9E	9.1H	58 10.344	-0.0022	12	-50 11 52.73	-0.021	12	0.72	10.449	45	02.9	51.75	45	02.9	K0	CZ	12863	P -49 7597
79	9.5	9.5W	58 17.471	-0.0037	09	-58 13 52.69	-0.014	09	0.14	17.486	14	46.0	52.63	14	46.0	A0	C0	4706	P -57 6882
80		7.1T	58 23.327	-0.0018	12	-51 43 16.29	-0.021	09	0.55	23.412	15	03.6	15.18	17	97.4	K0	GC	20197K	C -51 8673
81	9.6	9.7W	58 26.644	-0.0017	07	-53 29 33.06	0.005	07	0.18	26.664	15	38.5	33.12	18	38.5	A0	C9	5710	P -53 6196
82	9.8	9.7W	58 30.350	-0.0020	08	-53 26 31.17	-0.005	08	0.19	30.374	15	38.5	31.12	18	38.5	A2	C9	5711	P -53 6197
83	10.0	9.7W	58 31.499	-0.0031	09	-56 2 43.55	-0.021	09	0.20	31.535	15	38.5	43.30	18	38.5	F5	C9	5712	P -55 6306
84	8.9	8.1W	58 37.813	0.0036	07	-56 25 38.81	-0.023	07	0.14	37.798	14	46.0	38.72	14	46.0	G5	C0	4707	P -56 6545
85	9.1	9.0W	58 52.782	-0.0038	07	-56 59 49.33	-0.025	07	0.14	52.797	14	46.0	49.23	14	46.0	A5	C0	4708	P -56 6548
86	8.8	9.1W	58 54.929	-0.0006	13	-55 7 0.80	-0.008	13	0.22	54.936	15	38.5	0.71	18	38.5	B9	C9	5713	P -54 6275
87	8.8	9.0W	58 55.359	-0.0004	07	-54 18 19.43	-0.009	07	0.18	55.364	15	38.5	19.32	18	38.5	B8	C9	5714	P -54 6277
88	8.5	8.2W	59 4.375	-0.0099	07	-53 37 50.63	-0.070	07	0.18	4.444	15	38.5	49.82	18	38.5	F8	C9	5716	P -53 6206
89	10.3	9.3W	59 6.581	0.0014	14	-52 7 2.03	-0.053	14	0.25	6.564	15	38.5	1.42	18	38.5	K0	C9	5717	P -51 7443
90	8.3	8.2W	59 8.170	0.0011	06	-57 41 15.70	-0.018	06	0.14	8.166	14	46.0	15.63	14	46.0	A2	C0	4709	P -57 6887
91	8.6	8.8W	59 28.993	0.0013	07	-56 33 40.72	-0.021	07	0.14	28.987	14	46.0	40.63	14	46.0	B9	C0	4710	P -56 6553
92	9.1	9.1W	59 56.545	0.0016	15	-55 22 29.81	-0.018	15	0.24	56.526	15	38.5	29.61	18	38.5	A3	C9	5720	P -55 6320
93	8.5	8.7W	59 56.802	-0.0015	06	-55 57 13.98	-0.015	06	0.14	56.808	14	46.0	13.92	14	46.0	A0	C0	4711	P -55 6319
94	10.0	8.5W	15 0 7.253	0.0017	05	-53 45 47.42	0.001	05	0.18	7.233	15	38.5	47.42	18	38.5	K2	C9	5722	P -53 6223
95	9.4	9.5W	0 12.550	-0.0029	07	-54 57 5.95	-0.046	07	0.18	12.584	15	38.5	5.43	18	38.5	A0	C9	5723	P -54 6296
96	9.4	9.4W	0 20.294	-0.0017	13	-53 23 53.33	-0.036	13	0.22	20.314	15	38.5	52.92	18	38.5	A0	C9	5724	P -53 6228
97	10.2	9.1W	0 22.232	-0.0027	06	-54 8 38.92	0.009	06	0.18	22.263	15	38.5	39.02	18	38.5	K2	C9	5725	P -53 6229
98	9.5	8.5W	0 31.262	-0.0001	06	-53 3 55.41	-0.008	06	0.18	31.284	15	38.5	55.31	18	38.5	K0	C9	5726	P -52 7774
99	7.8	8.1W	0 33.311	0.0006	05	-52 1 5.98	-0.014	05	0.18	33.304	15	38.5	5.81	18	38.5	A0	C9	5727	P -51 7478
00	9.9	9.8W	0 33.580	-0.0035	09	-59 0 55.01	0.006	09	0.14	33.594	14	46.0	55.03	14	46.0	F0	C0	4712	P -58 5797

242200			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-50° 15H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01					
1	8.7	9.0W	15 0 34.328	-0.0002	06	-56 13 51.12	-0.001	06	0.14	34.328	14	46.0	51.12	14	46.0	A0	C0	4713	P -55 6325
2		7.5T	0 36.865	-0.0023	14	-56 43 19.92	-0.009	10	0.64	36.988	21	03.2	19.45	19	97.5	B3	GC	20245	P -56 6567
3		7.2T	0 40.781	-0.0017	12	-57 30 13.75	-0.017	09	0.56	40.874	19	01.6	12.80	18	96.0	A0	GC	20246	P -57 6900
4	9.1	7.9W	0 44.559	0.0014	07	-53 25 39.09	-0.050	07	0.18	44.544	15	38.5	38.51	18	38.5	G5	C9	5728	P -53 6239
5	9.6E	9.0Z	0 49.638	-0.0017	12	-51 18 35.63	0.003	12	0.82	49.716	63	03.4	35.78	57	03.4	B9	CZ	12899	P -51 7488
6	9.9	8.2W	0 52.283	-0.0025	07	-59 36 1.84	-0.026	07	0.14	52.293	14	46.0	1.73	14	46.0	K2	C0	4716	P -59 5798
7	8.2	8.2W	0 58.832	0.0009	06	-56 13 37.92	0.001	06	0.14	58.828	14	46.0	37.92	14	46.0	F0	C0	4717	P -55 6331
8	9.6	9.5W	1 1.790	-0.0020	07	-54 43 12.20	-0.049	07	0.18	1.814	15	38.5	11.63	18	38.5	A2	C9	5729	P -54 6307
9	9.7	9.5W	1 4.283	0.0041	15	-55 18 46.13	-0.046	15	0.24	4.236	15	38.5	45.61	18	38.5	F0	C9	5730	P -55 6333
10	9.9	9.4W	1 12.816	-0.0067	08	-53 9 54.34	-0.037	08	0.19	12.894	15	38.5	53.92	18	38.5	G0	C9	5731	P -52 7785
11	9.3E	9.2Z	1 13.531	0.0023	12	-51 3 23.89	-0.061	12	0.65	13.418	31	01.7	20.96	28	01.7	G0	CZ	12907	P -50 7540
12	10.3E	9.6*	1 17.430	-0.0017	12	-50 0 4.44	-0.009	12	0.65	17.513	31	01.4	4.01	28	01.4	A2	CZ	12908	P -49 7663
13	9.5	9.8W	1 33.475	0.0019	07	-52 55 51.12	-0.000	07	0.18	33.454	15	38.5	51.12	18	38.5	B9	C9	5733	P -52 7796
14	9.0	9.1W	1 34.728	-0.0001	07	-56 12 16.38	-0.016	07	0.14	34.728	14	46.0	16.32	14	46.0	A2	C0	4718	P -55 6344
15	9.7	9.5W	1 43.764	-0.0017	15	-53 50 31.86	-0.012	15	0.24	43.784	15	38.5	31.72	18	38.5	B8	C9	5735	P*-53 6257
16	8.9	9.2W	1 52.089	0.0005	07	-53 20 15.06	0.022	07	0.18	52.084	15	38.5	15.32	18	38.5	B9	C9	5736	P -53 6259
17	10.3		2 10.668	-0.0016	11	-58 49 16.07	0.015	11	0.15	10.674	14	46.0	16.13	14	46.0	A2	C0	4719	P -58 5806
18	10.1E	9.7Z	2 14.791	-0.0001	12	-51 15 49.97	0.007	12	0.82	14.794	63	03.4	50.31	57	03.4	G5	CZ	12926	P -50 7552
19	9.6E	8.1H	2 19.319	-0.0013	12	-50 21 14.22	-0.010	12	0.65	19.383	31	01.7	13.74	28	01.7	K0	CZ	12929	P -50 7555
20	9.5	9.5W	2 19.866	0.0010	14	-52 7 26.27	-0.057	14	0.23	19.854	15	38.5	25.61	18	38.5	B9	C9	5738	P -51 7513
21	10.2	10.1W	2 22.796	-0.0018	09	-59 36 45.97	-0.010	09	0.14	22.803	14	46.0	45.93	14	46.0	A0	C0	4720	P -59 5807
22	8.6	8.3W	2 29.424	-0.0025	07	-59 22 6.02	-0.046	07	0.14	29.434	14	46.0	5.83	14	46.0	F8	C0	4721	P -59 5808
23	9.2	8.3W	2 38.304	-0.0036	07	-55 37 48.60	-0.017	07	0.18	38.345	15	38.5	48.40	18	38.5	K0	C9	5740	P -55 6356
24	8.4	8.7W	2 46.347	0.0019	06	-55 33 38.17	-0.006	06	0.18	46.325	15	38.5	38.10	18	38.5	B9	C9	5742	P -55 6359
25	8.5	8.8W	3 6.784	0.0017	07	-57 12 58.79	-0.040	07	0.14	6.777	14	46.0	58.63	14	46.0	B9	C0	4722	P*-56 6579
26	10.2		3 11.279	0.0016	09	-59 58 30.65	0.025	09	0.14	11.273	14	46.5	30.73	14	46.5	B9	C0	4512	P -59 5812
27	9.3	9.2W	3 15.407	0.0003	06	-53 44 55.31	-0.016	06	0.18	15.403	15	38.5	55.12	18	38.5	A2	C9	5743	P -53 6282
28	9.6E	9.5Z	3 18.171	-0.0013	12	-50 47 34.80	-0.017	12	0.67	18.231	36	02.7	34.01	36	02.7	B9	CZ	12939	P -50 7572
29		6.6T	3 20.568	0.0007	15	-51 50 14.53	-0.025	10	0.67	20.536	19	01.3	13.19	18	96.5	B3	GC	20300	C -51 8745
30		7.4T	3 25.418	-0.0006	14	-57 14 50.24	-0.041	11	0.64	25.449	21	04.3	48.20	19	00.1	K0	GC	20302	P -56 6582
31	10.4E	9.5Z	3 26.518	-0.0011	12	-51 15 50.02	-0.007	12	0.72	26.569	45	03.0	49.70	45	03.0	K0	CZ	12943	P -50 7575
32	9.3	7.9W	3 30.051	0.0024	07	-52 43 11.47	-0.013	07	0.18	30.024	15	38.5	11.32	18	38.5	K2	C9	5744	P -52 7842
33	9.0	8.6W	3 53.346	-0.0046	07	-59 11 53.09	-0.040	07	0.14	53.364	14	46.0	52.93	14	46.0	F8	C0	4725	P -58 5815
34	9.0	9.0W	3 54.069	-0.0012	06	-54 8 24.42	-0.017	06	0.18	54.083	15	38.5	24.22	18	38.5	B8	C9	5746	P -53 6288
35	9.1	9.3W	3 57.593	-0.0009	06	-53 39 4.93	-0.018	06	0.18	57.604	15	38.5	4.72	18	38.5	A0	C9	5747	P -53 6289
36	9.7	9.6W	4 0.932	-0.0062	15	-54 21 31.13	0.026	15	0.24	1.004	15	38.5	31.42	18	38.5	A3	C9	5748	P -54 6333
37	10.0E	9.0Z	4 3.728	-0.0014	12	-51 24 51.64	-0.029	12	0.83	3.795	63	02.5	50.28	57	02.5	K0	CZ	12952	P -51 7547
38	10.2E	9.8Z	4 5.604	-0.0006	12	-51 5 52.13	-0.016	12	0.65	5.634	31	01.4	51.37	28	01.4	F0	CZ	12954	P -50 7587
39	9.4	9.1W	4 14.375	0.0010	06	-54 2 32.14	0.007	06	0.18	14.363	15	38.5	32.22	18	38.5	F0	C9	5749	P -53 6292
40	9.7E	9.6Z	4 15.483	-0.0008	12	-50 57 9.34	-0.013	12	0.72	15.522	45	02.4	8.74	45	02.4	B8	CZ	12957	P -50 7589
41	9.1	9.3W	4 17.758	-0.0012	09	-59 46 37.36	-0.007	09	0.14	17.763	14	46.0	37.33	14	46.0	B9	C0	4726	P -59 5821
42	9.3	8.9W	4 19.127	-0.0265	13	-59 45 38.65	-0.179	13	0.15	19.233	14	46.0	37.93	14	46.0	G0	C0	4727	P -59 5823
43	8.8	9.0W	4 22.982	-0.0005	07	-58 30 28.50	-0.017	07	0.14	22.984	14	46.0	28.43	14	46.0	B9	C0	4728	P -58 5820
44	8.2	8.3W	4 25.132	0.0008	06	-54 1 25.93	-0.026	06	0.18	25.123	15	38.5	25.62	18	38.5	A2	C9	5750	P -53 6294
45	9.3E	9.0Z	4 26.361	-0.0001	12	-51 19 4.76	-0.031	12	0.83	26.366	63	02.5	3.30	57	02.5	F0	CZ	12958	P -51 7557
46	8.7	9.0W	4 30.082	-0.0006	07	-58 30 22.23	0.001	07	0.14	30.084	14	46.0	22.23	14	46.0	B9	C0	4729	P -58 5821
47	8.6	8.9W	4 36.265	0.0028	07	-52 41 10.34	-0.011	07	0.18	36.234	15	38.5	10.22	18	38.5	B9	C9	5751	P -52 7861
48	9.8	9.5W	4 44.915	0.0028	09	-54 9 8.99	0.003	09	0.20	44.883	15	38.5	9.02	18	38.5	F0	C9	5752	P -53 6297
49	8.0	8.2W	4 45.528	0.0011	06	-55 47 20.15	0.005	06	0.18	45.515	15	38.5	20.21	18	38.5	B8	C9	5753	P -55 6378
50	8.3	8.6W	4 54.875	0.0026	07	-55 36 13.35	-0.021	07	0.18	54.845	15	38.5	13.10	18	38.5	B8	C9	5755	P -55 6380
51		7.0T	15 4 59.112	-0.0002	10	-58 57 4.51	-0.024	13	0.52	59.123	17	06.8	3.50	18	07.5	K0	GC	20338	P*-58 5825
52	10.2	9.8W	5 1.305	-0.0077	07	-58 25 5.13	-0.049	07	0.14	1.336	14	46.0	4.93	14	46.0	F5	C0	4731	P -58 5826
53	8.1	8.4W	5 3.324	0.0009	05	-53 36 42.54	-0.018	05	0.18	3.314	15	38.5	42.32	18	38.5	B9	C9	5756	P -53 6301
54	8.6E	9.0Z	5 15.046	-0.0022	12	-50 29 56.65	-0.011	12	0.65	15.151	31	01.4	56.13	28	01.4	B9	CZ	12977	P -50 7612
55	10.4	9.3W	5 15.624	-0.0009	08	-52 24 58.82	-0.035	08	0.19	15.634	15	38.5	58.42	18	38.5	K2	C9	5757	P +52 7877
56	9.5E	9.5Z	5 18.305	-0.0011	12	-50 58 59.06	-0.019	12	0.72	18.358	45	02.4	58.17	45	02.4	B8	CZ	12978	P -50 7613
57	10.0	8.3W	5 22.863	-0.0009	07	-54 44 11.50	-0.015	07	0.18	22.873	15	38.5	11.33	18	38.5	MA	C9	5758	P -54 6352
58	10.1	8.5W	5 24.831	-0.0012	09	-56 4 46.93	-0.020	09	0.20	24.845	15	38.5	46.70	18	38.5	K5	C9	5759	P -55 6387
59	9.0	9.0W	5 25.446	-0.0018	09	-59 42 51.02	0.003	09	0.14	25.453	14	46.0	51.03	14	46.0	B8	C0	4732	P -59 5829
60	9.0	8.0W	5 28.112	-0.0013	07	-57 10 19.95	-0.055	07	0.14	28.117	14	46.0	19.73	14	46.0	G5	C0	4733	P -56 6594
61	8.5	8.7W	5 33.593	0.0007	15	-55 39 23.28	0.028	15	0.24	33.585	15	38.5	23.60	18	38.5	B9	C9	5760	P -55 6388
62		8.1T	5 34.582	-0.0032	18	-56 52 34.78	-0.023	13	0.76	34.734	22	05.0	33.70	19	02.8	K0	GC	20361	P -56 6596
63	10.0	9.7W	5 35.077	0.0003	06	-53 13 11.11	-0.025	06	0.18	35.074	15	38.5	10.82	18	38.5	A0	C9	5761	P -52 7883
64	8.7E	9.0Z	5 35.495	-0.0057	12	-50 40 10.51	-0.016	12	0.72	35.767	45	02.4	9.75	45	02.4	G5	CZ	12985	P -50 7623
65	10.1	9.9W	5 53.185	0.0027	13	-59 4 49.16	-0.008	13	0.15	53.174	14	46.0	49.13	14	46.0	A5	C0	4735	P -58 5832
66	10.2		6 18.631	0.0042	11	-58 53 45.43	-0.000	11	0.15	18.614	14	46.0	45.43	14	46.0	B9	C0	4736	P -58 5833
67	10.5		6 19.600	-0.0029	15	-54 23 55.43	-0.026	15	0.24	19.634	15	38.5	55.12	18	38.5	G5	C9	5762	P -54 6359
68	9.3	9.5W	6 19.896	-0.0024	07	-57 43 19.69	-0.015	07	0.14	19.906	14	46.0	19.63	14	46.0	B9	C0	4737	P -57 6922
69	8.6E	8.5Z	6 24.361	-0.0015	12	-50 38 55.18	-0.025	12	0.72	24.433	45	02.4	54.00	45	02.4	B9	CZ	12994	P -50 7639
70	10.0	9.7W	6 31.306	-0.0016	06	-52 13 35.55	-0.046	06	0.18	31.324	15	38.5	35.02	18	38.5	A3	C9	5763	P -51 7599
71	8.8	9.0W	6 32.714	-0.0008	06	-53 23 12.65	-0.003	06	0.18	32.724	15	38.5	12.61	18	38.5	B9	C9	5764	P -53 6323
72	9.6	9.2W	6 38.302	-0.0099	07	-55 21 7.83	-0.072	07	0.18	38.416	15	38.5	7.01	18	38.5	G0	C9	5765	P -55 6400
73		7.8T	6 39.131	-0.0054	13	-56 56 33.68	-0.047	10	0.54	39.391	18	08.5	31.43	18	02.0	K0	GC	20377	P -56 6604
74	8.9	8.8W	6 45.908	-0.0016	06	-59 54 57.41	-0.021	06	0.14	45.913	14	46.5	57.33	14	46.5	A3	C0	4531	P -59 5837
75	10.3E	9.5Z	6 47.419	-0.0020	12	-50 0 45.75	-0.021	12	0.72	47.512	45	02.3	44.76	45	02.3	G0	CZ	13003	P -49 7759
76	10.3E	10.0Z	6 47.655	-0.0013	12	-50 32 14.64	-0.008	12	0.72	47.717	45	02.4	14.28	45	02.4	A0	CZ	13002	P -50 7642
77	9.4	9.2W	6 49.248	-0.0014	07	-51 58 30.18	-0.023	07	0.18	49.264	15	38.5	29.92	18	38.5	F0	C9	5766	P -51 7608
78	8.5E	8.5Z	6 51.810	-0.0002	12	-51 49 52.68	-0.009	12	0.66	51.799	31	00.9	52.24	31	00.9	A2	CZ	13004	P -51 7609
79	10.0E	9.5Z	6 52.745	0.0001	12	-51 34 2.16	-0.011	12	0.83	52.739	63	02.5	1.66	57	02.5	A0	CZ	13005	P -51 7610
80	9.3	9.5W	7 9.726	-0.0007	08	-52 13 17.48	-0.040	08	0.19	9.734	15	38.5	17.02	18	38.5	B9	C9	5767	P -51 7615
81	8.9	8.8W	7 11.986	-0.0008	07	-55 53 50.59	-0.025	07	0.18	11.995	15	38.5	50.30	18	38.5	F0	C9	5768	P -55 6407
82	9.9	10.0W	7 17.016	-0.0020	07	-58 41 0.08	-0.036	07	0.14	17.024	14	46.0	-59.93	14	46.0	B9	C0	4740	P -58 5838
83	9.0	9.3W	7 19.534	0.0015	06	-55 23 19.32	-0.010	06	0.18	19.516	15	38.5	19.21	18	38.5	B9	C9	5769	P -55 6408
84	9.7E	9.6W	7 22.001	-0.0011	12	-50 18 40.78	-0.007	12	0.72	22.051	45	02.4	40.46	45	02.4	A0	CZ	13015	P -50 7651
85	9.9	9.3W	7 25.577	0.0021	07	-53 57 16.80	0.002	07	0.18	25.554	15	38.5	16.82	18	38.5	G0	C9	5770	P -53 6327
86	9.0	9.1W	7 28.550	0.0031	07	-57 16 46.89	-0.040	07	0.14	28.537	14	46.0	46.73	14	46.0	B9	C0	4741	P -56 6611
87		5.6T	7 31.339	-0.0009	06	-55 9 26.33	-0.014	05	0.27	31.383	12	08.2	25.65	12	01.2	G5	GC	20395K	P -54 6367
88	8.0	7.1W	7 31.699	-0.0022	06	-52 20 51.07	-0.022	06	0.18	31.724	15	38.5	50.82	18	38.5	K0	C9	5772	P -52 7934
89	7.9	8.2W	7 32.821	-0.0013	07	-57 43 55.67	-0.008	07	0.14	32.826	14	46.0	55.63	14	46.0	B8	C0	4742	P -57 6930
90	9.4	9.0W	7 39.341	-0.0059	06	-59 13 54.68	-0.037	06	0.14	39.364	14	46.0	54.53	14	46.0	F8	C0	4743	P -58 5841
91	9.6	9.7W	7 39.816	-0.0006	07	-53 10 28.82	0.017	07	0.18	39.824	15	38.5	29.02	18	38.5	A0	C9	5773	P -52 7941
92	9.9	9.1W	7 44.531	-0.0011	07	-54 32 8.26	-0.037	07	0.18	44.544	15	38.5	7.83	18	38.5	K0	C9	5774	P -54 6369
93	9.3	9.6W	7 45.548	0.0012	13	-59 30 46.83	-0.024	13	0.15	45.543	14	46.0	46.73	14	46.0	B9	C0	4744	P -59 5846
94	9.1	9.3W	7 47.425	0.0004	14	-59 34 0.35	-0.005	14	0.15	47.423	14	46.0	0.33	14	46.0	A0	C0	4745	P -59 5847
95	9.9E	9.5Z	7 59.803	-0.0057	12	-51 5 30.01	-0.169	12	0.72	+ 0.074	45	02.4	21.98	45	02.4	G5	CZ	13020	P -50 7664
96		8.0T	8 1.611	0.0011	17	-50 52 27.83	-0.023	13	0.77	1.556	18	01.9	26.67	18	98.8	A3	GC	20399	C -50 9151
97	9.6E	9.5Z	8 6.145	-0.0004	12	-50 51 21.53	0.000	12	0.72	6.164	45	02.4	21.55	45	02.4	A2	CZ	13024	P -50 7670
98	9.8	9.5W	8 15.617	-0.0044	06	-59 20 28.40	-0.067	06	0.14	15.634	14	46.0	28.13	14	46.0	G0	C0	4746	P -59 5850
99	9.6	9.6W	8 27.295	-0.0016	07	-53 53 39.48	-0.013	07	0.18	27.314	15	38.5	39.32	18	38.5	A0	C9	5775	P -53 6335
00		7.1T	8 33.449	-0.0114	12	-51 55 3.23	-0.064	09	0.62	34.044	22	98.0	-59.54	19	92.5	F8	GC	20414	C -51 8827

242300

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.2	9.3W	15 8 33.647	-0.0003	07	-56 14 27.36	-0.011	07	0.14	33.648	14	46.0	27.32	14	46.0	A0	C0	4747	P -55 6419
2	9.1	9.4W	8 34.359	-0.0021	07	-54 11 21.39	-0.031	07	0.18	34.384	15	38.5	21.02	18	38.5	B9	C9	5778	P -53 6336
3	8.1	8.4W	8 38.890	0.0006	06	-53 28 12.51	-0.017	06	0.18	38.884	15	38.5	12.32	18	38.5	B9	C9	5779	P -53 6337
4		3.5H	8 40.758	-0.0116	03	-51 54 37.80	-0.070	03	0.12	41.197	05	12.1	35.21	05	12.8	K0	F4	558	C -51 8830
5	8.7	7.7W	8 41.034	0.0087	06	-59 54 13.49	-0.016	06	0.14	41.003	14	46.5	13.43	14	46.5	G5	C0	4539	P -59 5851
6	9.4	9.0W	8 44.844	0.0038	07	-56 17 24.06	-0.059	07	0.14	44.828	14	46.0	23.82	14	46.0	F8	C0	4749	P -56 6626
7	9.9E	9.6Z	8 47.725	0.0000	12	-50 14 14.91	-0.004	12	0.72	47.723	45	02.4	14.73	45	02.4	B9	CZ	13042	P -49 7796
8	9.5	9.6W	8 51.745	0.0020	11	-56 44 39.41	-0.019	11	0.15	51.737	14	46.0	39.33	14	46.0	B9	C0	4751	P -56 6627
9	9.8	9.7W	8 51.972	0.0011	14	-56 36 3.02	-0.021	14	0.15	51.967	14	46.0	-2.93	14	46.0	A2	C0	4752	P -56 6628
10	9.0E	8.7Z	8 54.649	0.0007	12	-51 4 9.83	0.001	12	0.72	54.616	45	02.4	9.90	45	02.4	F0	CZ	13046	P -50 7688
11	9.4E	9.0Z	8 59.426	-0.0016	12	-51 23 33.75	-0.015	12	0.83	59.503	63	02.5	33.06	57	02.5	B9	CZ	13047	P -51 7652
12	9.8	9.9W	9 0.389	0.0015	14	-59 54 18.50	-0.043	14	0.15	0.383	14	46.0	18.33	14	46.0	A0	C0	4753	P -59 5853
13	9.5	9.7W	9 4.637	-0.0048	07	-58 5 39.91	-0.018	07	0.14	4.656	14	46.0	39.83	14	46.0	B8	C0	4754	P -57 6943
14	8.0E	9.0Z	9 12.438	0.0012	12	-51 50 30.74	-0.007	12	0.83	12.380	63	02.5	30.41	57	02.5	B8	CZ	13051D	P*-51 7657
15	10.1		9 13.717	-0.0017	14	-58 39 25.26	-0.012	14	0.15	13.724	14	46.0	25.23	14	46.0	A0	C0	4755	P -58 5851
16	9.2	8.3W	9 14.550	-0.0003	07	-54 22 34.22	-0.017	07	0.18	14.554	15	38.5	34.02	18	38.5	K0	C9	5782	P -54 6384
17	9.6	9.7W	9 17.960	-0.0046	07	-54 42 56.04	-0.019	07	0.18	18.014	15	38.5	55.83	18	38.5	A0	C9	5783	P -54 6385
18	9.2E	7.5Z	9 22.283	-0.0005	12	-51 47 6.09	-0.034	12	0.83	22.305	63	02.5	4.48	57	02.5	K2	CZ	13053	P -51 7660
19	9.7E	9.0Z	9 24.822	0.0013	12	-51 29 23.74	-0.019	12	0.66	24.758	31	01.0	22.83	31	01.0	F2	CZ	13055	P -51 7662
20	9.3	9.6W	9 26.410	-0.0029	07	-52 36 7.32	-0.000	07	0.18	26.444	15	38.5	7.32	18	38.5	A0	C9	5784	P -52 7987
21	9.8E	10.0Z	9 27.892	0.0003	12	-50 32 52.74	-0.013	12	0.64	27.878	28	01.6	52.12	26	01.6	B8	CZ	13058	P -50 7705
22	10.3	9.9W	9 35.407	0.0006	11	-59 1 21.33	0.002	11	0.15	35.404	14	46.0	21.33	14	46.0	G0	C0	4756	P -58 5853
23		7.5T	9 42.951	-0.0037	20	-55 32 40.80	-0.027	16	0.75	43.109	19	10.7	39.66	21	07.7	G0	GC	20441	P -55 6428
24	9.3	9.1W	9 48.794	0.0042	07	-56 41 22.82	-0.047	07	0.14	48.777	14	46.0	22.63	14	46.0	A5	C0	4757	P -56 6634
25	9.6	8.7W	9 49.980	-0.0020	06	-52 56 51.65	-0.011	06	0.18	50.004	15	38.5	51.72	18	38.5	K0	C9	5786	P -52 7993
26	10.2	10.0W	10 4.930	-0.0090	12	-58 26 2.92	-0.047	12	0.15	4.966	14	46.0	2.73	14	46.0	F8	C0	4758	P -58 5855
27	9.6	9.8W	10 5.734	-0.0008	07	-52 36 25.92	-0.009	07	0.18	5.744	15	38.5	25.82	18	38.5	A0	C9	5787	P -52 8001
28	8.5	8.7W	10 12.768	-0.0022	07	-54 26 38.47	-0.047	07	0.18	12.793	15	38.5	37.92	18	38.5	B9	C9	5788	P -54 6397
29	8.3	8.5W	10 13.996	0.0019	07	-51 54 49.30	-0.007	07	0.18	13.974	15	38.5	49.22	18	38.5	A2	C9	5789	P -51 7690
30	9.9E	8.8Z	10 16.239	-0.0007	12	-50 28 46.12	-0.002	12	0.72	16.270	45	02.4	46.04	45	02.4	K0	CZ	13069	P -50 7723
31	9.2E	9.0Z	10 18.641	-0.0005	12	-51 50 38.89	-0.019	12	0.83	18.664	63	02.5	37.98	57	02.5	A0	CZ	13068	P -51 7695
32	9.1	9.1W	10 19.609	0.0002	06	-55 5 38.15	-0.030	06	0.18	19.606	15	38.5	37.81	18	38.5	A0	C9	5790	P -54 6400
33	10.1	9.0W	10 24.008	0.0029	07	-58 20 2.45	-0.029	07	0.14	23.996	14	46.0	2.33	14	46.0	K0	C0	4759	P -58 5858
34	8.9	7.3W	10 32.249	0.0014	06	-59 32 56.44	-0.026	06	0.14	32.243	14	46.0	56.33	14	46.0	K5	C0	4760	P -59 5865
35	8.5	7.2W	10 40.946	-0.0018	06	-59 38 4.31	-0.018	06	0.14	40.953	14	46.0	4.23	14	46.0	G5	C0	4761	P*-59 5866
36	8.0	8.2W	10 43.561	-0.0030	07	-55 52 49.72	0.007	07	0.18	43.595	15	38.5	49.80	18	38.5	B5	C9	5791	P -55 6439
37	9.3	9.3W	10 47.362	-0.0010	07	-58 9 38.14	-0.002	07	0.14	47.366	14	46.0	38.13	14	46.0	B5	C0	4762	P -57 6957
38	9.9	8.9W	10 52.283	-0.0019	08	-52 27 1.01	-0.008	08	0.19	52.304	15	38.5	0.92	18	38.5	K0	C9	5792	P -52 8024
39	9.1	8.2W	10 55.319	-0.0012	07	-54 13 15.88	0.004	07	0.18	55.333	15	38.5	15.92	18	38.5	K0	C9	5793	P -53 6361
40	9.5	9.6W	11 2.588	-0.0049	07	-52 24 34.82	-0.000	07	0.18	2.644	15	38.5	34.82	18	38.5	A0	C9	5794	P -52 8031
41	9.5	9.7W	11 2.601	-0.0039	14	-57 37 56.60	0.008	14	0.15	2.616	14	46.0	56.63	14	46.0	A0	C0	4763	P -57 6958
42	10.0E	7.5Z	11 10.003	-0.0031	12	-51 49 0.45	-0.015	12	0.83	10.149	63	02.5	-59.73	57	02.5	G5	CZ	13085	P -51 7719
43	9.5	9.4W	11 10.240	-0.0034	13	-59 49 34.52	-0.047	13	0.15	10.253	14	46.0	34.33	14	46.0	F0	C0	4764	P -59 5869
44	10.0	10.0W	11 15.194	-0.0002	11	-58 45 34.58	0.013	11	0.15	15.194	14	46.0	34.63	14	46.0	F0	C0	4765	P -58 5861
45	9.4	9.4W	11 16.967	0.0007	07	-58 32 43.21	-0.045	07	0.14	16.964	14	46.0	43.03	14	46.0	A0	C0	4766	P -58 5862
46	8.2	8.1W	11 22.272	-0.0009	06	-57 59 15.49	0.010	06	0.14	22.276	14	46.0	15.53	14	46.0	B8	C0	4767	P -57 6960
47	9.4	9.5W	11 23.592	0.0023	15	-55 37 7.60	0.018	15	0.24	23.565	15	38.5	7.80	18	38.5	B8	C9	5795	P -55 6445
48	8.6	7.9W	11 27.326	0.0004	06	-58 53 23.02	0.002	06	0.14	27.324	14	46.0	23.03	14	46.0	B0	C0	4768	P*-58 5866
49	9.6	9.8W	11 33.519	0.0004	13	-56 40 45.06	-0.007	13	0.15	33.517	14	46.0	45.03	14	46.0	A0	C0	4769	P -56 6648
50	10.0E	9.6Z	11 33.807	-0.0020	12	-50 46 10.04	-0.014	12	0.72	33.903	45	02.4	9.39	45	02.4	A2	CZ	13094	P -50 7750
51	9.0	8.6W	15 11 34.398	-0.0103	15	-55 18 0.02	-0.053	15	0.24	34.516	15	38.5	-59.41	18	38.5	G5	C9	5796	P -55 6449
52	8.8	9.0W	11 34.804	-0.0011	07	-56 5 36.55	-0.008	07	0.14	34.808	14	46.0	36.52	14	46.0	A0	C0	4770	P -55 6447
53	8.2	8.6W	11 37.046	-0.0032	07	-54 23 6.21	-0.042	07	0.18	37.083	15	38.5	5.72	18	38.5	B8	C9	5798	P -54 6410
54	9.6	9.7W	11 47.362	-0.0011	14	-57 59 14.51	0.004	14	0.15	47.366	14	46.0	14.53	14	46.0	B9	C0	4772	P -57 6964
55	9.0	9.1W	11 51.687	0.0008	07	-59 1 53.82	0.003	07	0.14	51.684	14	46.0	53.83	14	46.0	A2	C0	4773	P -58 5870
56	9.0	9.1W	11 53.504	-0.0044	07	-52 20 23.43	-0.027	07	0.18	53.554	15	38.5	23.11	18	38.5	B5	C9	5799	P -52 8049
57	8.1	8.3W	11 54.509	-0.0047	07	-54 46 46.14	-0.044	07	0.18	54.564	15	38.5	45.63	18	38.5	A0	C9	5800	P -54 6413
58	9.1	8.9W	11 55.048	-0.0085	15	-55 2 12.17	-0.084	15	0.24	55.146	15	38.5	11.21	18	38.5	F2	C9	5801	P -54 6414
59	9.5	8.3W	11 58.337	-0.0001	13	-56 49 44.51	-0.019	13	0.15	58.337	14	46.0	44.43	14	46.0	K2	C0	4774	P -56 6651
60	9.6	8.7W	11 59.757	-0.0001	13	-56 37 50.72	-0.023	13	0.15	59.757	14	46.0	50.63	14	46.0	K0	C0	4775	P -56 6652
61	8.1	8.0W	12 7.647	0.0010	07	-56 5 58.89	-0.060	07	0.18	7.635	15	38.5	58.20	18	38.5	F0	C9	5802	P -55 6456
62	9.4E	9.0Z	12 7.844	-0.0005	12	-51 22 57.18	-0.023	12	0.83	7.868	63	02.5	56.10	57	02.5	A0	CZ	13106	P -51 7743
63	9.1	9.3W	12 19.829	-0.0016	07	-57 52 23.72	-0.021	07	0.14	19.836	14	45.6	23.63	14	45.6	A0	C0	4777	P -57 6973
64	9.7	9.8W	12 28.627	-0.0014	07	-53 57 5.71	0.001	07	0.18	28.643	15	38.5	5.72	18	38.5	A0	C9	5804	P -53 6382
65	9.5	9.8W	12 35.361	0.0007	14	-56 3 31.15	-0.006	14	0.15	35.358	14	45.6	31.12	14	45.6	A0	C0	4778	P -55 6459
66	10.2	10.0W	12 36.088	-0.0013	07	-53 1 10.16	0.014	07	0.18	36.104	15	38.5	10.32	18	38.5	A	C9	5806	P -52 8056
67	9.4	9.1W	12 38.809	-0.0056	07	-53 57 0.20	-0.024	07	0.18	38.874	15	38.5	-59.92	18	38.5	G0	C9	5807	P -53 6385
68	12.1E	10.8H	12 38.870	0.0002	12	-51 26 38.38	0.003	12	0.83	38.861	63	02.5	38.54	57	02.5	B9	CZ	13117	P -51 7752
69	10.0E	9.5Z	12 39.695	-0.0005	12	-51 26 45.98	0.000	12	0.83	39.719	63	02.5	46.00	57	02.5	B9	CZ	13118	P -51 7752
70	9.4	8.1W	12 44.455	-0.0010	07	-55 25 35.78	0.002	07	0.18	44.466	15	38.5	35.81	18	38.5	K2	C9	5808	P -55 6461
71	8.6	8.8W	12 55.104	-0.0008	13	-57 11 42.15	-0.004	13	0.15	55.107	14	45.6	42.13	14	45.6	A3	C0	4779	P*-56 6661
72	9.2	9.4W	12 55.134	-0.0025	07	-53 43 40.63	-0.009	07	0.18	55.164	15	38.5	40.52	18	38.5	A0	C9	5809	P -53 6389
73	9.2E	8.5Z	12 55.843	0.0087	12	-51 42 54.12	-0.041	12	0.83	55.429	63	02.5	52.17	57	02.5	F5	CZ	13125	P -51 7763
74	9.1	9.5W	13 1.012	-0.0036	15	-53 55 22.30	-0.024	15	0.24	1.054	15	38.5	22.02	18	38.5	B9	C9	5810	P -53 6391
75	9.5	9.6W	13 5.947	-0.0049	06	-53 2 23.96	-0.030	06	0.18	6.004	15	38.5	23.62	18	38.5	A0	C9	5811	P -52 8063
76	8.7	8.4W	13 6.622	-0.0069	14	-59 37 13.74	-0.002	14	0.15	6.652	14	45.6	13.73	14	45.6	F0	C0	4780	P -59 5881
77	10.0E	9.5Z	13 7.951	-0.0027	12	-51 43 37.53	-0.009	12	0.83	8.079	63	02.5	37.10	57	02.5	A3	CZ	13130	P -51 7767
78	9.1	9.3W	13 12.382	-0.0027	07	-54 0 45.34	-0.001	07	0.18	12.414	15	38.5	45.32	18	38.5	A0	C9	5812	P -53 6392
79	9.8E	8.0Z	13 14.064	0.0012	12	-50 51 50.48	-0.012	12	0.65	14.007	31	01.4	49.92	28	01.4	K2	CZ	13133	P -50 7780
80	9.2	9.2W	13 18.085	-0.0005	07	-56 30 43.15	-0.027	07	0.14	18.087	14	45.6	43.03	14	45.6	B8	C0	4781	P -56 6667
81	8.4	7.5W	13 19.011	-0.0061	06	-56 11 59.94	-0.050	06	0.14	19.038	14	45.6	59.72	14	45.6	K0	C0	4782	P -55 6469
82	9.4	7.8W	13 26.387	-0.0020	06	-58 11 4.12	-0.020	06	0.14	26.396	14	45.6	4.03	14	45.6	K2	C0	4783	P -57 6980
83	8.6	8.9W	13 28.390	-0.0030	07	-52 20 38.91	-0.017	07	0.18	28.424	15	38.5	38.72	18	38.5	A0	C9	5813	P -52 8076
84		4.2H	13 34.881	-0.0122	03	-58 36 58.46	-0.140	03	0.11	35.287	05	16.7	53.65	05	15.5	A3	F4	561	P -58 5875
85	9.2	9.2W	13 40.706	-0.0042	07	-52 28 23.36	-0.047	07	0.18	40.754	15	38.5	22.82	18	38.5	A0	C9	5814	P -52 8085
86	8.3	8.6W	13 47.019	-0.0041	07	-55 26 6.77	-0.032	07	0.18	47.066	15	38.5	6.41	18	38.5	B9	C9	5817	P -55 6473
87	9.9	10.1W	13 54.270	-0.0019	14	-56 26 11.62	-0.045	14	0.15	54.278	14	45.6	11.42	14	45.6	B9	C0	4786	P -56 6669
88	9.5	9.5W	14 1.996	-0.0046	07	-58 28 24.38	-0.011	07	0.14	2.016	14	45.6	24.33	14	45.6	A2	C0	4787	P*-58 5878
89	8.9	9.2W	14 2.862	-0.0036	07	-54 18 58.89	0.003	07	0.18	2.904	15	38.5	58.92	18	38.5	B9	C9	5819	P -54 6435
90		8.4T	14 5.497	0.0011	16	-59 54 41.66	-0.015	13	0.65	5.447	19	08.7	41.01	19	06.3	B8	GC	20534	P -59 5887
91	9.2	8.3W	14 14.364	-0.0009	07	-52 6 14.50	-0.025	07	0.18	14.374	15	38.5	14.22	18	38.5	K0	C9	5820	P -51 7791
92	9.2	9.4W	14 23.767	-0.0016	07	-56 30 39.76	-0.006	07	0.14	23.774	14	45.6	39.73	14	45.6	B9	C0	4790	P -58 5880
93	9.8	8.8W	14 33.949	-0.0012	07	-59 13 23.82	-0.019	07	0.14	33.954	14	45.6	23.73	14	45.6	K0	C0	4791	P -58 5881
94	9.5	9.8W	14 43.948	-0.0005	15	-54 28 58.18	-0.005	15	0.24	43.954	15	38.5	58.12	18	38.5	B9	C9	5821	P -54 6437
95	8.6	8.7W	14 45.382	-0.0025	12	-59 38 41.56	-0.006	12	0.15	45.392	14	45.6	41.53	14	45.6	A2	C0	4792	P -59 5897
96	8.5E	8.5Z	14 48.225	-0.0011	12	-50 45 36.21	-0.011	12	0.72	48.278	45	02.4	35.71	45	02.4	B8	CZ	13156	P -50 7812
97	9.6	9.7W	14 49.600	-0.0020	07	-54 0 35.58	-0.022	07	0.18	49.623	15	38.5	35.32	18	38.5	A0	C9	5822	P -53 6405
98	8.0	8.3W	14 53.253	-0.0001	06	-51 56 28.65	-0.003	06	0.18	53.254	15	38.5	28.62	18	38.5	B9	C9	5823	P -51 7812
99		6.9T	15 1.962	0.0001	14	-54 10 55.59	0.009	10	0.62	1.956	21	04.4	56.03	19	99.2	M0	GC	20555	P -53 6408
00	9.0	9.3W	15 3.719	0.0012	07	-55 50 55.16	-0.022	07	0.18	3.705	15	38.5	54.90	18	38.5	B9	C9	5825	P -55 6487

242400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1	9.7	8.1W	15 15 4.976	-0.0024	07	-57 21 33.08	-0.010	07	0.14	4.987	14	45.6	33.03	14	45.6	MA	C0	4793	P -57 6995
2		7.4T	15 7.773	-0.0010	13	-59 57 7.34	-0.017	10	0.54	7.817	18	07.2	6.55	18	03.5	B9	GC	20559	P -59 5900
3	9.5	8.1W	15 8.351	0.0004	07	-55 0 11.76	-0.022	07	0.18	8.346	15	38.5	11.51	18	38.5	K2	C9	5826	P -54 6440
4	9.0E	9.0Z	15 10.087	-0.0034	12	-51 37 7.20	-0.001	12	0.83	10.247	63	02.5	7.17	57	02.5	A0	CZ	13164	P -51 7818
5	9.1	9.0W	15 21.799	-0.0056	07	-54 8 57.83	-0.009	07	0.18	21.864	15	38.5	57.72	18	38.5	A2	C9	5827	P -53 6412
6	9.2	9.1W	15 26.838	-0.0048	06	-53 0 41.52	-0.035	06	0.18	26.894	15	38.5	41.12	18	38.5	F0	C9	5828	P -52 8124
7	8.4	8.7W	15 28.884	-0.0002	08	-55 20 48.96	-0.022	08	0.19	28.886	15	38.5	48.71	18	38.5	B9	C9	5829	P -55 6490
8	9.6	9.9W	15 32.816	0.0004	11	-59 19 45.05	-0.003	11	0.15	32.814	14	45.6	45.03	14	45.6	B8	C0	4796	P -59 5905
9	9.8E	8.9*	15 33.082	-0.0011	12	-51 36 12.14	-0.019	12	0.66	33.135	31	00.8	11.23	28	00.8	A2	CZ	13175	P -51 7828
10	9.6	9.3W	15 44.952	-0.0011	07	-52 20 28.98	-0.014	07	0.18	44.964	15	38.5	28.82	18	38.5	A2	C9	5830	P -52 8132
11	9.5E	9.0Z	15 51.331	-0.0017	12	-50 46 8.05	-0.020	12	0.66	51.415	31	00.7	7.08	28	00.7	F0	CZ	13180	P -50 7833
12	9.4	9.5W	15 52.896	-0.0037	13	-59 41 11.56	-0.007	13	0.15	52.913	14	45.6	11.53	14	45.6	B8	C0	4797	P -59 5907
13	8.8E	8.5Z	15 54.305	-0.0025	12	-51 34 40.90	-0.042	12	0.73	54.183	45	01.4	38.88	45	01.4	F5	CZ	13181	P -51 7837
14	9.4	9.6W	15 56.924	-0.0017	07	-53 22 7.27	-0.022	07	0.18	56.944	15	38.5	7.02	18	38.5	A0	C9	5831	P -53 6419
15	9.0	9.2W	16 0.694	-0.0028	15	-55 16 39.41	-0.018	15	0.24	0.726	15	38.5	39.21	18	38.5	B9	C9	5832	P*-55 6498
16	9.6	9.8W	16 9.079	0.0014	15	-54 54 47.86	-0.019	15	0.24	9.064	15	38.5	47.63	18	38.5	B8	C9	5833	P -54 6445
17	9.5	9.7W	16 11.021	-0.0016	14	-56 25 50.64	-0.028	14	0.15	11.028	14	45.6	50.52	14	45.6	A2	C0	4798	P -56 6694
18	9.1	9.4W	16 16.451	0.0009	14	-56 46 58.62	0.003	14	0.15	16.447	14	45.6	58.63	14	45.6	A0	C0	4799	P -56 6695
19	8.7E	8.5Z	16 17.871	-0.0000	12	-51 18 23.19	-0.031	12	0.85	17.871	63	00.4	21.67	57	00.4	A3	CZ	13192	P -51 7844
20	9.6	8.6W	16 19.609	-0.0032	07	-59 33 48.29	0.009	07	0.14	19.623	14	45.6	48.33	14	45.6	F2	C0	4800	P -59 5912
21		6.9T	16 20.270	-0.0050	15	-57 13 1.02	-0.040	12	0.68	20.527	21	04.0	58.98	19	98.9	MB	GC	20582	P -56 6696
22	9.2	9.2W	16 25.468	-0.0013	06	-53 34 55.96	-0.003	06	0.18	25.483	15	38.5	55.92	18	38.5	B9	C9	5834	P -53 6422
23	9.5		16 28.149	0.0004	14	-56 35 17.29	-0.012	14	0.15	28.147	14	45.6	17.23	14	45.6	B8	C0	4802	P -56 6697
24	9.7		16 29.800	-0.0009	14	-59 22 14.77	0.015	14	0.15	29.804	14	45.6	14.83	14	45.6		C0	4803	P -59 5916
25		7.3T	16 32.529	0.0008	14	-59 21 48.17	-0.012	11	0.60	32.489	19	06.9	47.62	18	02.7	B5	GC	20585	P -59 5917
26	9.2	9.5W	16 44.141	-0.0029	07	-51 56 34.01	-0.008	07	0.18	44.174	15	38.5	33.92	18	38.5	A0	C9	5835	P -51 7852
27		6.8T	16 53.208	-0.0035	15	-55 57 8.70	-0.020	10	0.65	53.390	21	04.3	7.67	19	98.5	B1	GC	20593	P -55 6509
28	9.6	9.3W	16 53.378	-0.0022	07	-56 13 27.16	0.014	07	0.14	53.388	14	45.6	27.22	14	45.6	F8	C0	4807	P -55 6508
29	8.4E	9.0Z	17 2.675	-0.0001	12	-50 5 55.79	-0.003	12	0.72	2.677	45	02.4	55.66	45	02.4	A3	CZ	13204	P -49 7984
30	9.6	8.5W	17 3.030	0.0005	07	-56 6 49.62	-0.022	07	0.14	3.028	14	45.6	49.52	14	45.6	K2	C0	4808	P -55 6510
31	9.9E	9.5Z	17 3.716	-0.0009	12	-50 43 55.99	-0.014	12	0.73	3.760	45	01.4	55.33	45	01.4	A5	CZ	13203	P -50 7855
32	9.4	9.0W	17 11.712	-0.0012	07	-56 58 11.66	-0.076	07	0.14	11.717	14	45.6	11.33	14	45.6	G0	C0	4809	P -56 6703
33	9.1E	9.1Z	17 19.816	-0.0021	12	-51 37 19.07	-0.016	12	0.85	19.918	63	00.4	18.30	57	00.4	A0	CZ	13209	P -51 7866
34	9.7	9.8W	17 20.608	-0.0039	07	-52 45 1.68	-0.031	07	0.18	20.654	15	38.5	1.32	18	38.5	A2	C9	5838	P -52 8170
35	9.8E	9.6Z	17 26.851	-0.0000	12	-51 5 33.25	-0.010	12	0.73	26.852	45	01.4	32.79	45	01.4	A0	CZ	13213	P -50 7862
36		7.5T	17 28.542	-0.0115	13	-54 6 41.93	-0.030	11	0.64	29.084	21	02.8	40.39	19	99.3	F5	GC	20605	P -53 6431
37	9.3	9.4W	17 28.612	-0.0004	09	-59 52 21.35	-0.004	09	0.14	28.613	14	46.5	21.33	14	46.5	B8	C0	4592	P -59 5926
38	9.4	7.8W	17 32.971	-0.0002	06	-52 31 53.13	-0.045	06	0.18	32.974	15	38.5	52.62	18	38.5	MA	C9	5840	P -52 8176
39	9.4	9.2W	17 36.280	-0.0086	07	-56 1 24.32	-0.023	07	0.14	36.318	14	45.6	24.22	14	45.6	F5	C0	4811	P -55 6516
40	8.9E	9.2Z	17 41.004	0.0008	12	-51 18 57.30	-0.006	12	0.85	40.965	63	00.4	57.03	57	00.4	B8	CZ	13219	P -51 7877
41	9.6	9.3W	17 42.502	-0.0056	07	-56 43 19.48	-0.057	07	0.14	42.527	14	45.6	19.23	14	45.6	F2	C0	4812	P -56 6709
42	9.0	9.2W	17 48.842	-0.0011	06	-52 9 22.04	-0.002	06	0.18	48.854	15	38.5	22.02	18	38.5	B9	C9	5842	P -51 7880
43	9.3	8.2W	17 57.964	-0.0069	06	-53 21 41.20	-0.033	06	0.18	58.044	15	38.5	40.82	18	38.5	K0	C9	5843	P -53 6435
44	9.0	9.3W	18 1.034	0.0016	15	-55 30 14.58	0.002	15	0.24	1.015	15	38.5	14.61	18	38.5	B9	C9	5844	P -55 6521
45		7.0T	18 7.165	-0.0041	14	-56 57 58.71	-0.014	10	0.61	7.375	21	04.8	58.00	19	99.0	K2	GC	20621	P -56 6712
46	8.0	8.3W	18 12.360	-0.0010	06	-58 40 42.24	-0.001	06	0.14	12.364	14	45.6	42.23	14	45.6	A2	C0	4814	P -58 5896
47	9.2	9.5W	18 19.564	-0.0018	06	-52 6 52.38	-0.023	06	0.18	19.584	15	38.5	52.12	18	38.5	B9	C9	5845	P -51 7892
48		7.8T	18 20.865	0.0007	11	-58 58 6.52	-0.008	11	0.53	20.831	17	07.8	6.17	18	04.2	B0	GC	20634	P -58 5897
49	9.7	10.1W	18 23.245	0.0003	13	-58 41 0.51	0.006	13	0.15	23.244	14	45.6	0.53	14	45.6	A2	C0	4816	P -58 5898
50	9.2E	9.4H	18 29.880	-0.0006	12	-50 25 59.57	-0.006	12	0.73	29.907	45	01.4	59.29	45	01.4	A0	CZ	13239	P -50 7884
51	9.9	9.8W	15 18 31.452	0.0021	13	-59 37 41.74	0.021	13	0.15	31.443	14	45.6	41.83	14	45.6	A0	C0	4817	P -59 5932
52		7.2T	18 31.563	-0.0103	15	-53 25 29.45	-0.086	10	0.64	32.028	21	04.6	25.02	19	98.7	F5	GC	20640	P -53 6443
53	8.7	7.7W	18 35.885	-0.0033	05	-53 3 28.98	-0.066	05	0.18	35.924	15	38.5	28.22	18	38.5	G0	C9	5847	P -52 8213
54		7.5T	18 37.172	0.0004	11	-58 59 16.37	-0.079	11	0.56	37.150	19	03.2	12.61	18	02.2	F0	GC	20642K	P -58 5900
55	10.0E	9.6Z	18 43.921	-0.0004	12	-51 14 34.09	-0.007	12	0.85	43.941	63	00.4	33.76	57	00.4	B9	CZ	13245	P -50 7888
56		8.1T	18 44.839	0.0007	12	-58 57 51.84	-0.016	12	0.58	44.804	19	04.6	51.10	18	03.1	B8	GC	20645	P -58 5901
57	9.0	8.7W	18 46.751	-0.0107	07	-52 20 37.91	-0.078	07	0.18	46.874	15	38.5	37.02	18	38.5	G0	C9	5848	P -52 8219
58	9.1	8.9W	18 56.228	-0.0006	07	-55 52 33.61	-0.044	07	0.18	56.235	15	38.5	33.11	18	38.5	F8	C9	5849	P -55 6525
59	9.7E	9.0Z	19 3.096	-0.0001	12	-51 47 28.75	-0.006	12	0.85	3.100	63	00.4	28.45	57	00.4	A2	CZ	13253	P -51 7907
60	9.3E	9.2Z	19 6.588	-0.0016	12	-50 11 7.88	-0.009	12	0.73	6.664	45	01.4	7.45	45	01.4	A2	CZ	13254	P -49 8018
61	8.8	8.8W	19 13.741	-0.0002	06	-52 57 27.36	-0.004	06	0.18	13.744	15	38.5	27.31	18	38.5	A2	C9	5850	P -52 8228
62	9.0	9.2W	19 13.911	-0.0029	12	-59 26 46.93	0.001	12	0.15	13.924	14	45.6	46.93	14	45.6	B9	C0	4821	P -59 5943
63		4.5T	19 22.622	-0.0014	08	-59 8 33.15	-0.041	05	0.38	22.696	17	01.7	30.90	14	94.7	+++	GC	20663K	P*-58 5908
64	8.4	8.7W	19 23.436	-0.0007	07	-52 7 26.50	-0.016	07	0.18	23.444	15	38.5	26.32	18	38.5	A0	C9	5851	P -51 7914
65	8.9E	8.8Z	19 26.419	-0.0001	12	-50 57 48.18	-0.002	12	0.66	26.425	31	00.7	48.10	28	00.7	B9	CZ	13261	P -50 7913
66		6.5T	19 30.770	-0.0011	09	-51 33 29.94	-0.015	07	0.36	30.816	09	09.5	29.28	09	06.2	K0	GC	20665	C -51 9032
67	9.7	8.9W	19 36.851	-0.0029	07	-58 57 19.47	-0.008	07	0.14	36.864	14	45.6	19.43	14	45.6	B	C0	4824	P -58 5910
68	9.5	9.6W	19 49.803	-0.0035	06	-52 57 45.69	0.003	06	0.18	49.844	15	38.5	45.72	18	38.5	A	C9	5852	P -52 8240
69	8.7	9.1W	19 52.387	-0.0014	06	-52 58 54.51	-0.008	06	0.18	52.404	15	38.5	54.42	18	38.5	B9	C9	5853	P -52 8243
70	9.5E	9.7Z	19 55.124	-0.0002	12	-50 43 21.50	-0.013	12	0.73	55.134	45	01.4	20.89	45	01.4	B9	CZ	13269	P -50 7928
71		6.7T	19 57.283	0.0017	09	-57 9 12.04	-0.007	08	0.36	57.211	12	10.3	11.75	12	07.6	K0	GC	20677	P -56 6729
72	9.4	9.5W	20 3.388	0.0009	07	-59 16 58.76	-0.007	07	0.14	3.384	14	45.6	58.73	14	45.6	B9	C0	4826	P -59 5953
73	9.0	8.8W	20 10.855	-0.0053	07	-56 29 54.79	-0.039	07	0.14	10.878	14	45.6	54.62	14	45.6	F2	C0	4827	P -56 6732
74	8.7	9.0W	20 21.584	0.0016	06	-56 31 20.19	-0.013	06	0.14	21.577	14	45.6	20.13	14	45.6	A0	C0	4828	P -56 6735
75	9.5E	9.0Z	20 22.259	0.0014	12	-50 41 48.85	-0.022	12	0.73	22.191	45	01.4	47.79	45	01.4	K0	CZ	13280	P -50 7947
76	8.1	8.4W	20 22.567	0.0002	07	-51 58 18.36	-0.021	07	0.18	22.564	15	38.5	18.12	18	38.5	B9	C9	5854	P -51 7949
77	9.5E	9.8Z	20 24.016	-0.0013	12	-51 6 56.08	-0.008	12	0.73	24.079	45	01.4	55.71	45	01.4	A2	CZ	13281	P -50 7948
78	9.7	9.5W	20 26.726	-0.0016	11	-59 50 14.19	0.009	11	0.15	26.733	14	45.6	14.23	14	45.6	F0	C0	4829	P -59 5955
79	9.9	8.4W	20 26.755	0.0005	13	-59 34 29.67	-0.008	13	0.15	26.753	14	45.6	29.63	14	45.6	K2	C0	4830	P -59 5956
80	9.7	9.9W	20 33.871	-0.0005	09	-59 56 45.94	-0.003	09	0.15	33.873	14	45.6	45.93	14	45.6		C0	4831	P -59 5958
81	8.7	9.0W	20 33.989	0.0015	07	-59 57 52.73	0.001	07	0.14	33.983	14	46.5	52.73	14	46.5	A	C0	4613	P -59 5959
82	8.9	7.5W	20 38.751	-0.0002	05	-52 32 19.89	-0.006	05	0.18	38.754	15	38.5	19.82	18	38.5	K0	C9	5855	P -52 8265
83	9.7E	9.5Z	20 54.244	-0.0040	12	-50 45 27.67	-0.047	12	0.73	54.438	45	01.4	25.41	45	01.4	F8	CZ	13295	P -50 7967
84	10.4	9.3W	20 54.918	-0.0042	07	-55 12 46.20	0.018	07	0.18	54.966	15	38.5	46.41	18	38.5	K0	C9	5856	P*-54 6486
85	8.6	7.6W	20 56.507	-0.0005	06	-52 40 38.87	0.004	06	0.18	56.514	15	38.5	38.92	18	38.5	G5	C9	5857	P -52 8272
86	8.7	9.0W	21 0.925	0.0002	07	-53 56 58.60	-0.015	07	0.18	0.923	15	38.5	58.42	18	38.5	B9	C9	5858	P -53 6474
87	8.7E	8.5Z	21 3.869	-0.0012	12	-51 48 52.66	-0.004	12	0.85	3.928	63	00.4	52.46	57	00.4	B9	CZ	13299	P -51 7970
88	9.7	9.4W	21 6.751	-0.0019	07	-52 33 16.22	-0.026	07	0.18	6.774	15	38.5	15.92	18	38.5	F0	C9	5859	P -52 8278
89	9.0	9.2W	21 13.731	-0.0011	07	-54 27 58.87	-0.021	07	0.18	13.744	15	38.5	58.62	18	38.5	A0	C9	5860	P -54 6492
90	9.5	9.6W	21 18.143	0.0017	15	-54 26 37.84	0.025	15	0.24	18.124	15	38.5	38.12	18	38.5	A0	C9	5861	P*-54 6493
91	9.9E	9.5Z	21 18.445	-0.0011	12	-51 44 48.09	-0.009	12	0.85	18.498	63	00.4	47.64	57	00.4	A0	CZ	13303	P -51 7976
92	10.4E	9.6*	21 29.870	0.0005	12	-50 22 58.85	-0.009	12	0.64	29.843	28	01.4	58.43	26	01.4	A	CZ	13310	P -50 7980
93	9.1E	8.5Z	21 31.107	-0.0023	12	-50 57 46.81	-0.020	12	0.85	31.218	36	02.1	45.87	36	02.1	K0	CZ	13311	P -50 7979
94	10.0	8.9W	21 35.999	-0.0012	07	-59 2 44.01	-0.040	07	0.14	36.004	14	45.6	43.83	14	45.6	K0	C0	4835	P -58 5919
95	9.5E	9.5Z	21 38.605	0.0001	12	-51 51 17.48	-0.009	12	0.85	38.599	63	00.4	17.03	57	00.4	A0	CZ	13313	P -51 7982
96	9.5E	8.5Z	21 41.552	-0.0029	12	-51 7 29.83	-0.022	12	0.68	41.692	36	02.1	28.80	36	02.1	K5	CZ	13314	P -50 7981
97	10.0	10.0W	21 41.719	0.0012	14	-59 21 47.92	-0.021	14	0.15	41.714	14	45.6	47.83	14	45.6	A0	C0	4836	P -59 5978
98	9.9	9.7W	21 42.467	0.0012	07	-52 58 42.26	-0.004	07	0.18	42.454	15	38.5	42.21	18	38.5	A2	C9	5862	P -52 8294
99	8.8	8.7W	21 51.499	0.0005	07	-57 7 4.66	-0.029	07	0.14	51.497	14	45.6	4.53	14	45.6	A2	C0	4837	P -56 6745
00		7.5T	21 51.602	-0.0015	14	-56 50 18.15	0.005	10	0.61	51.680	21	04.2	18.41	18	99.1	B8	GC	20707	P -56 6746

242500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1	10.0E	9.7Z	15 21 54.046	0.0002	12	-51 43 23.26	-0.004	12	0.85	54.035	63	00.4	23.06	57	00.4		CZ	13317	F -51 7994
2	9.6	9.8W	21 56.639	0.0003	15	-55 54 46.47	-0.032	15	0.24	56.635	15	38.5	46.10	18	38.5	A2	C9	5863	F -55 6545
3		6.8T	21 57.498	-0.0045	17	-51 9 56.40	-0.003	13	0.77	57.707	24	03.2	56.26	21	98.7	G5	GC	20712	C -50 9383
4		6.9T	22 2.135	0.0038	13	-52 52 57.13	0.009	10	0.63	1.947	19	01.3	57.58	18	96.7	F0	GC	20713	F -52 8303
5	8.5	7.5W	22 7.441	-0.0002	04	-54 8 43.42	-0.017	04	0.17	7.444	15	38.5	43.22	18	38.5	K0	C9	5865	F -53 6482
6	9.0	9.3W	22 9.854	0.0049	13	-59 39 3.89	-0.014	13	0.15	9.832	14	45.6	3.83	14	45.6	A0	C0	4839	P*-59 5983
7	8.1	8.3W	22 10.837	0.0003	07	-53 35 44.71	-0.007	07	0.18	10.834	15	38.5	44.62	18	38.5	B8	C9	5866	F -53 6483
8	9.9	9.0W	22 11.936	-0.0044	07	-55 16 13.33	-0.002	07	0.18	11.986	15	38.5	13.31	18	38.5	G5	C9	5867	P*-55 6548
9	10.2	10.0W	22 12.176	-0.0015	15	-53 14 9.97	-0.005	15	0.24	12.194	15	38.5	9.92	18	38.5	A2	C9	5868	P -52 8307
10	10.1E	9.9Z	22 12.822	0.0004	12	-51 22 18.86	-0.006	12	0.85	12.802	63	00.4	18.59	57	00.4	A0	CZ	13325	P -51 8002
11	9.2	9.3W	22 16.984	0.0035	13	-56 2 36.68	0.009	13	0.15	16.968	14	45.6	36.72	14	45.6	B9	C0	4840	P -55 6550
12	8.5	8.7W	22 19.785	-0.0020	07	-59 15 16.09	-0.012	07	0.14	19.794	14	45.6	16.03	14	45.6	A0	C0	4841	P -58 5921
13	9.6	9.3W	22 19.797	-0.0024	07	-57 23 25.41	-0.006	07	0.14	19.807	14	45.6	25.43	14	45.6	B9	C0	4842	P -57 7044
14	8.6	8.7W	22 20.580	-0.0006	07	-53 13 37.31	-0.008	07	0.18	20.574	15	38.5	37.22	18	38.5	A2	C9	5870	F -52 8312
15	11.4E	10.2H	22 21.088	-0.0025	12	-50 42 57.52	-0.016	12	0.73	21.198	45	01.9	56.77	45	01.9	A	KZ	13329D	P -50 7996
16	10.7E	9.9Z	22 21.219	-0.0016	12	-50 42 52.44	-0.002	12	0.73	21.296	45	01.9	52.36	45	01.9	A	KZ	13330D	P -50 7996
17	10.0E	9.5Z	22 23.388	-0.0052	12	-50 19 58.64	-0.034	12	0.73	23.636	45	01.9	57.02	45	01.9	F5	KZ	13334	P -50 8000
18	8.2	8.2W	22 24.321	-0.0011	07	-53 22 55.93	-0.018	07	0.18	24.334	15	38.5	55.72	18	38.5	A2	C9	5871	F -53 6488
19	10.2E	9.5Z	22 25.018	-0.0008	12	-51 10 24.21	-0.015	12	0.85	25.058	63	00.4	23.49	57	00.4	G5	KZ	13333	P -50 7997
20	9.0E	9.0Z	22 28.739	0.0014	12	-50 37 22.44	-0.004	12	0.73	28.672	45	01.9	22.26	45	01.9	G0	KZ	13335	P -50 8001
21	9.6	9.6W	22 29.558	0.0036	15	-55 8 46.22	0.007	15	0.24	29.516	15	38.5	46.31	18	38.5	A0	C9	5872	P -54 6501
22	9.1	9.2W	22 33.236	-0.0045	07	-57 47 47.39	-0.013	07	0.14	33.256	14	45.6	47.33	14	45.6	A0	C0	4843	P -57 7046
23	9.5	9.6W	22 34.227	-0.0023	15	-53 6 50.01	0.027	15	0.24	34.254	15	38.5	50.32	18	38.5	A0	C9	5873	F -52 8316
24	10.2E	9.5Z	22 38.144	-0.0020	12	-51 38 1.60	-0.021	12	0.85	38.242	63	00.4	0.58	57	00.4	F5	KZ	13336	P -51 8006
25	9.9E	9.6Z	22 39.655	-0.0000	12	-51 15 27.11	-0.007	12	0.85	39.656	63	00.4	26.78	57	00.4	A0	KZ	13337	P -50 8008
26	9.1	9.4W	22 41.657	0.0032	07	-59 41 16.40	0.031	07	0.14	41.643	14	45.6	16.53	14	45.6	B9	C0	4845	F -59 5986
27	10.0		22 44.804	-0.0025	07	-52 51 7.13	-0.001	07	0.18	44.834	15	38.5	7.12	18	38.5	A0	C9	5874	P -52 8320
28	7.9	8.4W	22 46.730	0.0017	06	-59 46 33.68	0.012	06	0.14	46.723	14	45.6	33.73	14	45.6	B9	C0	4846	P -59 5987
29	7.9	8.1W	23 3.622	0.0008	07	-54 50 35.83	-0.034	07	0.18	3.614	15	38.5	35.43	18	38.5	A0	C9	5875	P -54 6506
30	10.1E	9.8Z	23 4.057	-0.0006	12	-50 43 4.29	-0.005	12	0.73	4.086	45	01.9	4.07	45	01.9	A0	CZ	13347	P -50 8014
31	9.7	9.4W	23 4.337	-0.0023	07	-53 13 49.76	-0.038	07	0.18	4.364	15	38.5	49.32	18	38.5	F8	C9	5876	P*-52 8326
32	9.4	8.4W	23 5.200	0.0003	07	-55 21 15.14	-0.025	07	0.18	5.196	15	38.5	14.91	18	38.5	K0	C9	5877	P*-55 6557
33	9.3	9.4W	23 11.126	0.0004	12	-58 47 42.35	0.019	12	0.15	11.124	14	45.6	42.43	14	45.6	A0	C0	4847	F -58 5927
34	9.9	9.1W	23 12.510	-0.0009	11	-58 47 15.67	0.015	11	0.15	12.514	14	45.6	15.73	14	45.6	K0	C0	4848	F -58 5928
35	9.9E	9.8Z	23 13.504	-0.0028	12	-50 35 41.39	-0.024	12	0.73	13.639	45	01.9	40.24	45	01.9		CZ	13352	F -50 8015
36	10.2	9.7W	23 17.867	-0.0016	10	-59 18 28.07	-0.031	10	0.15	17.874	14	45.6	27.93	14	45.6	G0	C0	4849	F -59 5992
37	8.8E	8.5Z	23 18.565	-0.0004	12	-51 45 36.05	0.008	12	0.67	18.584	31	99.9	36.45	31	99.9	B9	CZ	13354	P -51 8022
38	10.0	8.7W	23 23.233	-0.0001	09	-58 46 50.84	0.021	09	0.15	23.234	14	45.6	50.93	14	45.6	K2	C0	4850	F -58 5931
39	9.5E	8.0Z	23 27.514	-0.0016	12	-51 31 31.49	-0.038	12	0.85	27.433	63	00.4	29.62	57	00.4	K0	CZ	13358	P -51 8031
40	8.9	7.6W	23 28.070	-0.0003	07	-53 55 47.52	0.009	07	0.18	28.074	15	38.5	47.62	18	38.5	K0	C9	5878	P -53 6498
41	8.6	8.8W	23 29.846	-0.0006	07	-54 8 24.56	-0.003	07	0.18	29.854	15	38.5	24.52	18	38.5	A0	C9	5879	P -53 6499
42	9.6E	9.4Z	23 33.929	-0.0010	12	-50 41 7.86	-0.010	12	0.73	33.977	45	01.9	7.40	45	01.9	A2	CZ	13362	P -50 8022
43	9.8	9.7W	23 35.062	-0.0010	07	-52 49 13.84	-0.028	07	0.18	35.074	15	38.5	13.52	18	38.5	A0	C9	5880	P -52 8336
44	8.7	8.5W	23 36.926	-0.0002	14	-56 50 21.70	-0.016	14	0.15	36.927	14	45.6	21.63	14	45.6	F0	C0	4851	P -56 6755
45	9.5E	9.5Z	23 37.764	-0.0001	12	-50 45 23.50	-0.011	12	0.73	37.770	45	01.9	22.99	45	01.9	A0	CZ	13367	P -50 8023
46	9.3E	9.4Z	23 41.720	-0.0011	12	-50 21 24.12	-0.010	12	0.73	41.771	45	01.9	23.65	45	01.9	B9	CZ	13371	P -50 8025
47	9.3	8.4W	23 47.577	-0.0025	07	-55 9 27.64	-0.038	07	0.18	47.606	15	38.5	27.21	18	38.5	K0	C9	5881	P -54 6515
48	9.7E	10.0Z	23 47.871	-0.0008	12	-50 8 17.15	-0.010	12	0.72	47.906	45	03.0	16.69	45	03.0	A2	CZ	13374	P -49 8104
49	8.0	8.2W	23 51.729	0.0012	08	-55 37 22.35	-0.021	08	0.19	51.715	15	38.5	22.10	18	38.5	A0	C9	5882	P -55 6563
50	9.7	8.8W	24 2.585	-0.0007	06	-56 20 40.17	-0.034	06	0.14	2.588	14	45.6	40.02	14	45.6	K0	C0	4852	P -56 6760
51	8.8	9.1W	15 24 6.814	-0.0028	07	-57 58 54.20	-0.016	07	0.14	6.826	14	45.6	54.13	14	45.6	B9	C0	4853	P -57 7057
52	9.2E	9.5Z	24 8.274	0.0002	12	-51 25 33.55	-0.009	12	0.85	8.264	63	00.4	33.12	57	00.4	B9	CZ	13381	P -51 8048
53		7.1T	24 8.371	0.0007	15	-53 31 42.51	-0.005	12	0.67	8.337	18	03.5	42.25	19	01.0	F5	GC	20758	P -53 6504
54	10.0E	9.0Z	24 12.534	0.0009	12	-51 20 34.46	-0.014	12	0.85	12.489	63	00.4	33.78	57	00.4		CZ	13385	P -51 8051
55	8.3	8.4W	24 16.930	-0.0014	06	-58 20 7.84	-0.001	06	0.14	16.936	14	45.6	7.83	14	45.6	A2	C0	4854	P -58 5943
56	9.3E	9.3Z	24 17.967	-0.0015	12	-50 10 41.34	-0.042	12	0.82	18.034	63	03.5	39.40	57	03.5	F8	CZ	13387	P -49 8114
57	9.6E	9.4Z	24 21.048	-0.0009	12	-50 34 32.68	-0.007	12	0.73	21.091	45	01.9	32.35	45	01.9	A2	CZ	13389	P -50 8038
58	10.2	10.0W	24 23.607	-0.0004	07	-52 4 28.59	-0.041	07	0.18	23.634	15	38.5	28.12	18	38.5	F5	C9	5884	P -51 8055
59	10.3E	9.4Z	24 25.423	-0.0050	12	-51 14 5.59	-0.044	12	0.85	25.672	63	00.4	3.43	57	00.4		CZ	13393	P -50 8039
60	10.4E	9.6Z	24 29.831	-0.0160	12	-51 20 27.48	-0.019	12	0.85	30.625	63	00.4	26.56	57	00.4		CZ	13394	P -51 8057
61	8.4	8.6W	24 31.410	-0.0029	07	-54 48 40.42	-0.025	07	0.18	31.443	15	38.5	40.13	18	38.5	A0	C9	5885	F -54 6521
62	10.3E	9.9Z	24 35.023	-0.0009	12	-51 43 37.95	-0.002	12	0.85	35.066	63	00.4	37.85	57	00.4	A0	CZ	13399	P -51 8059
63	9.4	9.4W	24 35.106	-0.0022	07	-58 20 16.23	-0.000	07	0.14	35.116	14	45.6	16.23	14	45.6	A5	C0	4856	P -58 5947
64	10.4		24 35.233	0.0008	14	-52 9 57.18	-0.014	14	0.23	35.224	15	38.5	57.02	18	38.5	B9	C9	5886	P -51 8058
65	8.6	8.9W	24 39.861	-0.0003	09	-52 12 4.28	-0.023	09	0.20	39.864	15	38.5	4.02	18	38.5	B9	C9	5887	P -51 8060
66	8.6	8.9W	24 40.846	-0.0006	07	-53 14 50.08	-0.014	07	0.18	40.854	15	38.5	49.91	18	38.5	B8	C9	5888	P -52 8366
67	8.4	8.2W	24 44.265	-0.0029	07	-56 1 21.96	-0.033	07	0.14	44.278	14	45.6	21.82	14	45.6	A3	C0	4857	P -55 6569
68	9.5	9.5W	24 44.335	-0.0048	07	-57 36 50.24	-0.001	07	0.14	44.356	14	45.6	50.23	14	45.6	A0	C0	4858	P -57 7061
69		6.2T	24 47.544	-0.0004	15	-51 25 29.60	0.003	10	0.68	47.561	22	01.9	29.78	21	94.9	K0	GC	20767K	C -51 9132
70	9.9		24 47.864	-0.0043	13	-52 38 24.65	-0.020	13	0.22	47.914	15	38.5	24.42	18	38.5	A2	C9	5890	P -52 8371
71	9.2	9.4W	24 49.007	-0.0028	07	-56 52 40.91	0.006	07	0.14	49.017	14	45.6	40.93	14	45.6	B9	C0	4859	F -56 6765
72	8.9E	9.0Z	24 51.627	-0.0012	12	-50 58 22.52	-0.008	12	0.65	51.686	31	01.1	22.15	28	01.1	B9	CZ	13404	P -50 8051
73	9.4	9.6W	24 54.323	-0.0026	09	-59 1 3.54	-0.001	09	0.15	54.334	14	45.6	3.53	14	45.6	B8	C0	4860	F -58 5951
74	10.1E	9.1Z	24 54.521	-0.0010	12	-51 51 45.10	-0.009	12	0.85	54.570	63	00.4	44.65	57	00.4	K2	CZ	13405	P -51 8056
75	10.4	9.9W	24 54.819	-0.0065	15	-52 39 10.50	0.010	15	0.24	54.894	15	38.5	10.62	18	38.5	A0	C9	5891	P -52 8376
76	10.1E	9.8Z	24 58.621	-0.0005	12	-50 34 55.97	-0.007	12	0.73	58.646	45	01.9	55.64	45	01.9		CZ	13408	P -50 8058
77	10.4E	10.0Z	24 58.792	-0.0011	12	-51 0 16.65	-0.015	12	0.73	58.845	45	01.9	15.94	45	01.9		CZ	13407	P -50 8055
78	9.5	9.7W	24 59.389	-0.0010	14	-59 56 12.91	0.006	14	0.15	59.393	14	45.6	12.93	14	45.6	B8	C0	4861	F -59 6020
79	8.0	7.7W	25 3.681	-0.0011	08	-53 45 12.50	-0.059	08	0.19	3.694	15	38.5	11.82	18	38.5	F8	C9	5892	F -53 6517
80	10.5E	10.0Z	25 4.575	-0.0018	12	-50 18 53.06	-0.018	12	0.73	4.662	45	01.9	52.21	45	01.9		CZ	13413	P -50 8060
81	9.1	8.8W	25 6.277	0.0099	07	-53 16 25.47	-0.039	07	0.18	6.164	15	38.5	25.01	18	38.5	F8	C9	5893	F -53 6519
82	9.3E	9.6Z	25 8.249	-0.0005	12	-50 43 35.46	-0.010	12	0.73	8.273	45	01.9	34.99	45	01.9	A0	CZ	13414	P -50 8061
83	8.0	7.9W	25 9.265	0.0008	08	-55 27 17.57	0.003	08	0.19	9.256	15	38.5	17.61	18	38.5	B8	C9	5894	F -55 6572
84	8.1	8.2W	25 12.302	0.0008	07	-52 54 55.71	-0.008	07	0.18	12.294	15	38.5	55.61	18	38.5	A0	C9	5895	F -52 8382
85	9.0E	9.2Z	25 12.709	-0.0013	12	-50 59 2.98	-0.005	12	0.73	12.772	45	01.9	2.76	45	01.9	A0	CZ	13415	P -50 8063
86	9.4	9.5W	25 13.750	-0.0023	07	-55 20 31.39	0.010	07	0.18	13.776	15	38.5	31.51	18	38.5	A0	C9	5896	P -55 6573
87	10.5	9.4W	25 14.542	-0.0048	13	-59 49 49.01	-0.018	13	0.15	14.563	14	45.6	48.93	14	45.6	K0	C0	4862	P -59 6026
88	9.5E	9.4Z	25 19.368	-0.0010	12	-50 50 48.87	-0.015	12	0.73	19.416	45	01.9	48.17	45	01.9	A0	CZ	13418	P -50 8066
89	9.9	9.4W	25 20.539	-0.0143	07	-52 53 4.53	-0.088	07	0.18	20.704	15	38.5	3.52	18	38.5	G1	C9	5897	P -52 8388
90	10.2E	9.8Z	25 30.828	-0.0007	12	-51 39 27.91	-0.009	12	0.85	30.861	63	00.4	27.49	57	00.4		CZ	13419	P -51 8081
91	9.9		25 31.311	-0.0004	10	-59 32 26.95	-0.004	10	0.15	31.312	14	45.6	26.93	14	45.6	B9	C0	4863	P -59 6033
92	10.1E	9.3H	25 32.632	-0.0019	12	-50 16 44.00	-0.019	12	0.73	32.721	45	01.9	43.10	45	01.9	K5	CZ	13423	F -50 8075
93		7.2G	25 34.318	-0.0019	11	-58 10 44.70	-0.063	08	0.48	34.415	18	04.7	41.49	17	99.4	A3	GC	20788K	P*-57 7066
94	9.0	8.8W	25 35.088	-0.0022	07	-53 10 59.80	-0.025	07	0.18	35.064	15	38.5	59.52	18	38.5	F2	C9	5898	F -52 8393
95	8.5E	8.7Z	25 37.950	-0.0012	12	-51 3 33.20	-0.012	12	0.73	38.008	45	01.9	32.64	45	01.9	B9	CZ	13425	F -50 8077
96	8.3	8.2W	25 38.012	-0.0035	06	-57 4 31.03	-0.022	06	0.14	38.027	14	45.6	30.93	14	45.6	A3	C0	4865	P -56 6768
97	10.1E	9.8Z	25 38.096	-0.0004	12	-51 9 32.04	-0.015	12	0.73	38.116	45	01.9	31.34	45	01.9	A	CZ	13424	P -50 8076
98	9.8E	9.7Z	25 38.204	-0.0033	12	-50 12 54.37	-0.048	12	0.73	38.360	45	01.9	52.08	45	01.9	G5	CZ	13426	P -49 8135
99	10.6	10.2W	25 41.307	-0.0067	15	-52 22 31.18	0.047	15	0.24	41.384	15	38.5	31.72	18	38.5	F0	C9	5899	P -52 8398
00	9.5	9.4W	25 44.678	0.0002	15	-55 50 27.77	0.029	15	0.24	44.675	15	38.5	28.10	18	38.5	B8	C9	5900	F -55 6579

242600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1	8.9E	9.0Z	15 25 46.045	-0.0008	12	-51 5 0.35	-0.008	12	0.73	46.084	45	01.9	-59.98	45	01.9	B9		CZ	13428	P -50 8083
2	12.4E	10.5Z	25 50.937	-0.0016	12	-51 13 0.79	-0.014	12	0.85	51.017	63	00.4	0.12	57	00.4	K2		CZ	13431	P -50 8086
3	7.8E	7.9H	25 51.057	-0.0021	12	-50 33 45.43	-0.014	12	0.73	51.158	45	01.9	44.77	45	01.9	A3		CZ	13433	P -50 8087
4	10.3E	9.0Z	25 51.101	-0.0026	12	-51 51 10.80	-0.013	12	0.85	51.228	63	00.4	10.16	57	00.4	K2		CZ	13430	P -51 8086
5		7.9T	25 51.169	-0.0003	14	-50 33 46.19	-0.026	11	0.66	51.182	22	02.0	44.80	21	96.2	A3		GC	20797	C -50 9468
6		7.8T	25 51.943	-0.0009	24	-51 13 5.21	-0.107	22	1.09	51.982	21	04.4	0.27	19	03.7	K2		GC	20798K	C -50 9467
7	9.0	9.2W	25 52.847	-0.0023	07	-54 8 49.64	0.008	07	0.18	52.873	15	38.5	49.72	18	38.5	A0		C9	5901	P -53 6526
8	8.2E	8.5Z	25 53.104	-0.0006	12	-51 5 35.47	-0.002	12	0.73	53.133	45	01.9	35.39	45	01.9	B9		CZ	13434	P -50 8090
9	7.8E	8.0Z	25 54.470	0.0005	12	-51 16 16.40	-0.003	12	0.85	54.446	63	00.4	16.23	57	00.4	B9		CZ	13435	P -51 8089
10	10.0E	8.8*	25 59.746	-0.0024	12	-51 48 56.42	0.019	12	0.67	59.865	31	99.9	57.37	31	99.9	K0		CZ	13436	P -51 8092
11	9.0E	8.7Z	26 1.521	-0.0027	12	-51 4 42.06	-0.010	12	0.73	1.651	45	01.9	41.60	45	01.9	B9		CZ	13437	P -50 8093
12	9.1	8.9W	26 1.564	-0.0033	07	-56 12 11.79	-0.016	07	0.14	1.578	14	45.6	11.72	14	45.6	A0		C0	4866	P -55 6581
13	9.9E	9.7Z	26 3.153	-0.0008	12	-50 46 3.12	-0.005	12	0.73	3.192	45	01.9	2.90	45	01.9	B9		CZ	13439	P -50 8098
14		7.0T	26 16.555	-0.0033	14	-52 7 53.04	-0.013	12	0.71	16.717	22	01.3	52.35	21	97.6	B9		GC	20808	C -51 9157
15	9.4	8.1W	26 17.132	-0.0001	08	-52 40 34.58	-0.023	08	0.19	17.134	15	38.5	34.32	18	38.5	K0		C9	5903	P -52 8408
16	9.9E	9.5Z	26 18.816	-0.0017	12	-50 17 40.76	-0.008	12	0.73	18.896	45	01.9	40.39	45	01.9	A2		CZ	13446	P -50 8105
17	10.0E	9.3Z	26 20.650	-0.0071	12	-50 21 5.74	-0.037	12	0.73	20.989	45	01.9	3.97	45	01.9			CZ	13449	P -50 8109
18	8.5	8.9W	26 23.512	-0.0028	07	-58 55 45.86	-0.007	07	0.14	23.524	14	45.6	45.83	14	45.6	B8		C0	4867	P -58 5976
19	10.2	9.6W	26 24.526	0.0002	07	-52 50 10.22	-0.044	07	0.18	24.524	15	38.5	9.72	18	38.5	G0		C9	5904	P -52 8410
20	9.2E	8.3Z	26 25.273	-0.0047	12	-50 56 16.32	-0.056	12	0.73	25.499	45	01.9	13.64	45	01.9	K2		CZ	13452	P -50 8112
21	9.8E	9.6Z	26 26.936	-0.0006	12	-50 42 59.26	-0.007	12	0.73	26.965	45	01.9	58.94	45	01.9	A0		CZ	13453	P -50 8114
22	9.7	9.8W	26 31.642	-0.0025	14	-59 34 28.14	-0.002	14	0.15	31.652	14	45.6	28.13	14	45.6	B9		C0	4868	P -59 6045
23	9.2	9.3W	26 33.422	0.0019	10	-59 29 0.04	-0.001	10	0.15	33.414	14	45.6	0.03	14	45.6	B8		C0	4869	P -59 6046
24	10.4	9.0W	26 36.829	-0.0031	06	-52 19 56.15	-0.020	06	0.18	36.864	15	38.5	55.92	18	38.5	K0	O	C9	5905	P -52 8415
25	10.3	10.2W	26 41.444	-0.0043	15	-52 51 56.30	0.028	15	0.24	41.494	15	38.5	56.62	18	38.5	F0	O	C9	5906	P -52 8418
26	8.9E	8.5Z	26 44.135	-0.0005	12	-50 59 24.01	-0.005	12	0.73	44.160	45	01.9	23.79	45	01.9	A		CZ	13459	P -50 8117
27	8.8E	8.3Z	26 45.087	-0.0002	12	-50 56 20.78	-0.014	12	0.73	45.097	45	01.9	20.13	45	01.9	A0		CZ	13460	P -50 8120
28	7.6	7.5W	26 46.459	-0.0047	07	-52 48 43.66	-0.047	07	0.18	46.514	15	38.5	43.11	18	38.5	F0		C9	5907	P -52 8420
29	8.7	9.0W	26 47.332	-0.0010	07	-53 11 31.04	0.016	07	0.18	47.344	15	38.5	31.22	18	38.5	A0		C9	5908	P -52 8419
30	10.2E	10.0Z	26 48.877	0.0006	12	-51 25 44.58	-0.011	12	0.85	48.848	63	00.4	44.06	57	00.4			CZ	13461	P -51 8110
31	9.1E	8.5Z	26 49.239	-0.0002	12	-51 21 35.16	0.001	12	0.85	49.249	63	00.4	35.23	57	00.4	A0		CZ	13462	P -51 8111
32	9.2E	9.0Z	26 57.547	-0.0009	12	-51 9 36.50	-0.010	12	0.73	57.590	45	01.9	36.04	45	01.9	A0		CZ	13464	P -50 8126
33	9.7	9.7W	26 57.822	-0.0025	09	-59 38 31.94	-0.002	09	0.15	57.833	14	45.6	31.93	14	45.6	A		C0	4871	P -59 6054
34	10.2	9.9W	26 58.703	-0.0021	13	-59 37 54.18	-0.012	13	0.15	58.713	14	45.6	54.13	14	45.6			C0	4872	P -59 6056
35	9.0	8.4W	26 58.840	-0.0046	07	-52 36 1.64	-0.028	07	0.18	58.894	15	38.5	1.32	18	38.5	G0		C9	5909	P -52 8425
36		6.6T	27 3.706	-0.0020	13	-53 12 12.32	-0.021	08	0.57	3.797	21	03.0	11.10	18	93.2	K0		GC	20823	P -52 8427
37	8.3	8.6W	27 4.269	-0.0012	07	-52 35 59.78	-0.014	07	0.18	4.284	15	38.5	59.61	18	38.5	B9		C9	5911	P -52 8429
38	8.3	8.4W	27 4.757	-0.0022	07	-57 18 56.11	0.006	07	0.14	4.767	14	45.6	56.13	14	45.6	B8		C0	4873	P -57 7072
39	8.8	8.8W	27 5.552	-0.0049	06	-59 6 10.05	-0.027	06	0.14	5.574	14	45.6	9.93	14	45.6	A2		C0	4874	P -58 5985
40	9.9	9.9W	27 10.667	-0.0015	14	-51 59 41.68	-0.032	14	0.23	10.684	15	38.5	41.32	18	38.5	B8		C9	5912	P -51 8116
41	10.5E	9.7Z	27 15.941	-0.0009	12	-51 29 38.83	-0.007	12	0.73	15.984	45	01.9	38.51	45	01.9			CZ	13470	P -51 8118
42	9.9E	9.6Z	27 19.747	-0.0003	12	-51 38 39.53	-0.007	12	0.73	19.760	45	01.9	39.21	45	01.9	F5		CZ	13474	P -51 8119
43		7.6T	27 20.535	0.0010	17	-52 28 38.23	-0.055	12	0.72	20.491	22	04.6	35.47	19	99.8	A2		GC	20826	P -52 8434
44	8.7E	8.5Z	27 23.839	-0.0013	12	-51 8 39.75	-0.017	12	0.64	23.903	28	01.7	38.94	26	01.7	A0		CZ	13476	P -50 8135
45	8.7E	9.1Z	27 30.294	-0.0002	12	-50 20 13.39	-0.014	12	0.67	30.302	36	02.5	12.74	36	02.5	A0		CZ	13479	P -50 8139
46	8.4	8.7W	27 31.095	-0.0016	07	-52 43 24.37	-0.004	07	0.18	31.114	15	38.5	24.32	18	38.5	B5		C9	5914	P -52 8437
47	9.5E	9.5Z	27 33.538	-0.0005	12	-51 51 3.08	-0.007	12	0.73	33.561	45	01.9	2.75	45	01.9	B9		CZ	13478	P -51 8127
48	8.4	8.7W	27 33.957	-0.0042	07	-55 46 24.37	-0.032	07	0.18	34.005	15	38.5	24.00	18	38.5	B9		C9	5915	P -55 6593
49	9.8E	9.6Z	27 35.208	-0.0013	12	-51 18 8.06	-0.012	12	0.73	35.271	45	01.9	7.50	45	01.9	A0		CZ	13484	P -51 8131
50	9.0E	8.0Z	27 43.629	-0.0021	12	-51 50 1.88	-0.021	12	0.73	43.729	45	01.9	0.87	45	01.9	K2		CZ	13487	P -51 8134
51	9.4	9.4W	15 27 45.261	-0.0053	11	-58 51 33.72	0.002	11	0.15	45.284	14	45.6	33.73	14	45.6	A0		C0	4875	P -58 5996
52	9.8	10.0W	27 54.793	-0.0000	15	-52 49 59.39	-0.015	15	0.24	54.794	15	38.5	59.22	18	38.5	A0		C9	5916	P -52 8445
53	9.5	9.5W	27 57.948	-0.0039	06	-52 57 6.54	0.007	06	0.18	57.994	15	38.5	6.62	18	38.5	A2		C9	5917	P -52 8447
54	9.1	8.9W	28 1.183	-0.0011	07	-55 49 29.06	-0.014	07	0.18	1.195	15	38.5	28.90	18	38.5	F5		C9	5918	P -55 6599
55	9.5E	8.0Z	28 1.352	-0.0025	12	-51 48 21.39	-0.009	12	0.73	1.471	45	01.9	20.96	45	01.9	K2		CZ	13494	P -51 8138
56	9.8		28 5.280	-0.0003	07	-54 6 52.03	-0.027	07	0.18	5.283	15	38.5	51.72	18	38.5	A0		C9	5920	P -53 6543
57	8.4	8.5W	28 5.551	-0.0002	07	-54 11 31.38	0.004	07	0.18	5.554	15	38.5	31.42	18	38.5	A2		C9	5921	P -53 6544
58	9.4	8.3W	28 5.898	-0.0006	05	-52 5 16.95	-0.020	05	0.18	5.904	15	38.5	16.71	18	38.5	K0		C9	5922	P -51 8139
59	9.0E	8.0Z	28 17.459	0.0001	12	-50 46 24.17	-0.007	12	0.71	17.455	45	03.5	23.86	45	03.5	K0		CZ	13500	P -50 8155
60	9.9	9.6W	28 30.942	0.0008	07	-52 54 5.59	-0.006	07	0.18	30.934	15	38.5	5.52	18	38.5	F3	O	C9	5923	P -52 8469
61	9.6	8.3W	28 32.061	-0.0030	15	-55 38 47.37	-0.015	15	0.24	32.095	15	38.5	47.20	18	38.5	K0		C9	5924	P -55 6603
62	8.3	8.5W	28 37.483	-0.0026	07	-54 33 2.12	-0.025	07	0.18	37.513	15	38.5	1.83	18	38.5	B9		C9	5925	P*-54 6559
63	8.4E	7.7Z	28 37.778	-0.0004	12	-50 42 6.65	-0.023	12	0.71	37.797	45	03.5	5.60	45	03.5	MB		CZ	13507	P -50 8162
64	10.4		28 44.315	-0.0016	15	-53 0 13.64	-0.002	15	0.24	44.334	15	38.5	13.62	18	38.5	A2	O	C9	5926	P -52 8473
65	8.0	8.2W	28 44.728	0.0013	07	-52 42 14.20	-0.024	07	0.18	44.714	15	38.5	13.92	18	38.5			C9	5927	P*-52 8474
66		8.1T	28 44.737	-0.0024	10	-50 29 19.25	-0.013	08	0.42	44.835	15	09.3	18.68	15	05.8	F0		GC	20853	C*-50 9531
67	8.0	8.2W	28 45.305	0.0010	07	-52 42 1.84	-0.028	07	0.18	45.294	15	38.5	1.52	18	38.5	B9		C9	5928	P -52 8475
68		7.5T	28 46.320	0.0012	11	-57 14 19.24	-0.010	10	0.54	46.261	21	02.4	18.74	18	99.9	F0		GC	20854K	P*-56 6787
69	9.0	9.2W	28 46.656	0.0061	15	-55 19 20.19	-0.042	15	0.24	46.586	15	38.5	19.71	18	38.5	B9		C9	5929	P -55 6606
70	9.5	9.6W	28 49.686	0.0007	13	-59 38 18.92	-0.020	13	0.15	49.683	14	45.6	18.83	14	45.6	B5		C0	4877	P -59 6095
71	9.4E	8.8Z	28 50.316	-0.0025	12	-50 54 26.69	-0.022	12	0.71	50.432	45	03.5	25.69	45	03.5	F5		CZ	13511	P -50 8169
72	9.1	9.4W	28 51.486	-0.0015	08	-54 45 32.92	-0.051	08	0.19	51.503	15	38.5	32.33	18	38.5	B8		C9	5931	P -54 6561
73	9.6	9.4W	28 51.985	-0.0017	07	-59 49 20.66	0.040	07	0.14	51.993	14	45.6	20.83	14	45.6	F0		C0	4878	P -59 6097
74	10.0E	8.6Z	28 53.493	-0.0014	12	-51 8 36.84	-0.005	12	0.71	53.558	45	03.5	36.63	45	03.5	K2		CZ	13513	P -50 8170
75	9.8E	9.0Z	28 53.877	-0.0005	12	-50 47 29.26	0.000	12	0.71	53.901	45	03.5	29.28	45	03.5	A0		CZ	13514	P -50 8171
76	9.4E	9.6Z	29 1.937	-0.0001	12	-50 4 43.84	0.001	12	0.73	1.940	45	01.0	43.90	45	01.0	A0		CZ	13519	P -49 8220
77	8.7	8.9W	29 5.583	-0.0030	07	-57 37 14.31	-0.017	07	0.14	5.596	14	45.6	14.23	14	45.6	B8		C0	4879	P -57 7082
78	9.0	8.8W	29 5.817	-0.0066	06	-58 1 29.32	-0.065	06	0.14	5.846	14	45.6	29.03	14	45.6	F2		C0	4880	P -57 7081
79	9.0	8.8W	29 10.285	-0.0092	07	-58 1 45.73	-0.045	07	0.14	10.326	14	45.6	45.53	14	45.6	F2		C0	4881	P -57 7083
80	10.3E	10.0Z	29 13.731	-0.0005	12	-51 31 14.15	-0.008	12	0.82	13.753	63	03.5	13.80	57	03.5			CZ	13520	P -51 8161
81	8.6	8.9W	29 15.319	-0.0021	06	-52 50 40.96	-0.021	06	0.18	15.344	15	38.5	40.72	18	38.5	A0		C9	5932	P*-52 8487
82	10.3E	9.7Z	29 15.736	-0.0029	12	-51 17 55.69	-0.031	12	0.82	15.871	63	03.5	54.26	57	03.5			CZ	13522	P -51 8162
83	9.3	9.3W	29 21.548	-0.0024	07	-55 30 39.81	0.008	07	0.18	21.575	15	38.5	39.90	18	38.5	A3		C9	5933	P -55 6613
84	10.3E	9.6Z	29 21.820	-0.0031	12	-51 21 0.90	-0.028	12	0.82	21.964	63	03.5	-59.62	57	03.5			CZ	13524	P -51 8166
85	9.0	8.3W	29 24.215	0.0054	05	-54 36 32.50	-0.024	05	0.18	24.154	15	38.5	32.23	18	38.5	K0		C9	5934	P -54 6567
86	9.4	9.7W	29 27.525	0.0002	06	-52 48 5.01	-0.008	06	0.18	27.524	15	38.5	4.92	18	38.5	B9		C9	5935	P -52 8496
87	9.6	9.6W	29 33.208	-0.0037	07	-59 22 15.73	-0.023	07	0.14	33.224	14	45.6	15.63	14	45.6	A2		C0	4882	P -59 6117
88	10.1E	9.6Z	29 40.673	-0.0017	12	-51 11 25.53	-0.009	12	0.82	40.753	63	03.5	25.13	57	03.5			CZ	13530	P -50 8185
89	9.5E	9.0H	29 42.792	-0.0004	12	-50 24 53.89	-0.022	12	0.71	42.808	45	03.5	52.88	45	03.5	K2		CZ	13532	P -50 8186
90	9.5	9.6W	29 45.894	-0.0037	15	-55 16 51.26	-0.039	15	0.24	45.936	15	38.5	50.81	18	38.5	A0		C9	5936	P -55 6615
91	10.0E	9.7Z	29 49.601	-0.0007	12	-51 26 0.50	-0.021	12	0.82	49.634	63	03.5	-59.54	57	03.5	A0		CZ	13533	P -51 8183
92	8.7	9.0W	29 50.462	-0.0009	07	-58 21 12.44	-0.002	07	0.14	50.466	14	45.6	12.43	14	45.6	A0		C0	4883	P -58 6034
93	9.0E	9.0Z	29 53.965	-0.0013	12	-50 51 31.55	-0.009	12	0.71	54.026	45	03.5	31.15	45	03.5	B9		CZ	13535	P -50 8192
94	9.7	9.7W	29 54.579	-0.0058	14	-58 55 6.56	-0.006	14	0.15	54.604	14	45.6	6.53	14	45.6	B9		C0	4884	P -58 6037
95	10.2E	9.7Z	29 58.033	-0.0002	12	-51 27 58.19	-0.014	12	0.82	58.042	63	03.5	57.56	57	03.5	B9		CZ	13538	P -51 8187
96	10.0	8.6W	30 7.928	-0.0025	06	-52 18 6.62	-0.035	06	0.18	7.956	15	38.5	6.22	18	38.5	K5		C9	5938	P -52 8514
97	10.2	9.8W	30 13.096	-0.0005	14	-59 29 4.87	0.012	14	0.15	13.099	14	45.6	4.92	14	45.6	F8		C0	4885	P -59 6131
98	9.6	9.2W	30 13.153	-0.0003	15	-56 7 33.34	-0.082	15	0.24	13.156	15	38.5	32.40	18	38.5	G0		C9	5939	P -55 6616
99	7.9	8.3W	30 21.490	-0.0017	07	-59 37 59.86	-0.031	07	0.14	21.497	14	45.6	59.72	14	45.6	A0		C0	4886	P -59 6134
00	10.0E	9.5Z	30 26.282	-0.0009	12	-51 25 5.75	-0.018	12	0.82	26.323	63	03.5	4.92	57	03.5	A0		CZ	13548	P -51 8200

242700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 15H DM NUMBER
1		7.2T	15 30 26.667	-0.0032	14	-56 54 19.86	-0.016	09	0.62	26.840	21	02.9	18.99	19	95.6	K0	GC	20898	P -56 6795
2	9.6E	10.0Z	30 29.481	-0.0017	12	-50 40 47.22	-0.063	12	0.71	29.402	45	03.5	44.30	45	03.5	MA	CZ	13551	P -50 8212
3	10.0E	9.0Z	30 30.456	-0.0012	12	-51 4 22.53	-0.019	12	0.71	30.512	45	03.5	21.66	45	03.5		CZ	13552	P -50 8214
4	8.5	8.7W	30 36.182	-0.0022	07	-56 21 8.04	-0.030	07	0.14	36.192	14	45.6	7.91	14	45.6	E9	CO	4888	P -56 6796
5	9.3E	9.2H	30 37.944	-0.0004	12	-50 14 10.83	-0.001	12	0.71	37.964	45	03.5	10.79	45	03.5	F2	CZ	13556	P -49 8264
6	9.3E	8.0Z	30 40.309	-0.0007	12	-50 41 32.40	-0.016	12	0.71	40.342	45	03.5	31.67	45	03.5	MA	CZ	13557	P -50 8218
7	9.1E	9.0Z	30 42.471	-0.0002	12	-51 28 48.59	-0.013	12	0.82	42.480	63	03.5	48.00	57	03.5	A0	CZ	13558	P -51 8214
8	10.4		30 44.689	-0.0049	15	-52 28 40.91	0.001	15	0.24	44.746	15	38.5	40.92	18	38.6	A0	C9	5940	P -52 8532
9	8.8E	8.9Z	30 49.114	-0.0003	12	-50 56 0.90	-0.005	12	0.71	49.128	45	03.5	0.68	45	03.5	A2	CZ	13560D	P*-50 8222
10	9.0	9.1W	30 49.970	-0.0024	07	-58 25 25.58	-0.014	07	0.14	49.981	14	45.6	25.52	14	45.6	A2	CO	4889	P -58 6057
11	10.3E	9.5Z	30 50.553	-0.0008	12	-51 19 36.91	0.000	12	0.82	50.589	63	03.5	36.92	57	03.5		CZ	13561	P -51 8216
12	9.9E	9.9H	30 53.329	-0.0002	12	-50 8 54.49	-0.008	12	0.73	53.341	45	01.0	54.11	45	01.0	A0	CZ	13563	P -49 8270
13	10.4		30 55.990	-0.0066	15	-52 29 24.39	0.011	15	0.24	56.066	15	38.5	24.51	18	38.5	A5	C9	5941	P -52 8537
14	9.0	9.0W	31 3.203	0.0015	15	-55 33 57.88	-0.007	15	0.24	3.186	15	38.5	37.80	18	38.5	B9	C9	5942	P -55 6621
15	8.8	8.0W	31 6.829	-0.0023	06	-52 51 29.97	-0.013	06	0.18	6.856	15	38.5	29.81	18	38.5	K0	C9	5943	P -52 8540
16	8.3	8.5W	31 8.966	0.0011	06	-56 49 2.75	-0.006	06	0.14	8.961	14	45.6	2.72	14	45.6	B8	CO	4890	P -56 6798
17	10.1	9.6W	31 12.408	-0.0015	07	-52 25 26.90	0.002	07	0.18	12.426	15	38.5	26.92	18	38.5	G2	C9	5944	P -52 8543
18	10.1E	9.5H	31 18.343	0.0007	12	-50 16 33.95	-0.004	12	0.71	18.308	45	03.5	33.77	45	03.5	K5	CZ	13572	P -50 8235
19	9.5	9.5W	31 19.080	-0.0004	07	-56 19 14.76	-0.012	07	0.14	19.082	14	45.6	14.71	14	45.6	B9	CO	4891	P -56 6801
20	8.5	8.9W	31 20.387	-0.0042	07	-53 26 4.57	0.004	07	0.18	20.436	15	38.5	4.61	18	38.5	B9	C9	5945	P -53 6568
21	10.2	10.1W	31 21.701	-0.0031	14	-51 57 1.93	-0.036	14	0.23	21.736	15	38.5	1.52	18	38.5	B9	C9	5946	P -51 8226
22	9.7	9.6W	31 21.726	-0.0017	07	-53 45 17.80	-0.015	07	0.18	21.745	15	38.5	17.62	18	38.5	A3	C9	5947	P -53 6567
23	10.6		31 25.989	-0.0023	15	-53 8 42.53	-0.027	15	0.24	26.016	15	38.5	42.21	18	38.5	A1	C9	5948	P -52 8548
24		8.0T	31 29.248	-0.0026	12	-57 15 3.05	0.008	09	0.57	29.390	21	00.9	3.50	18	94.5	B8	GC	20916	P -56 6802
25	9.5	9.5W	31 29.907	0.0016	11	-57 49 1.26	0.013	11	0.15	29.900	14	45.6	1.32	14	45.6	B8	CO	4893	P -57 7098
26	10.1		31 31.182	-0.0030	07	-51 58 24.50	-0.007	07	0.18	31.216	15	38.5	24.41	18	38.5	A0	C9	5949	P -51 8231
27	7.5	8.1W	31 33.267	-0.0003	06	-58 41 59.50	-0.017	06	0.14	33.268	14	45.6	59.42	14	45.6	B8	CO	4894	P -58 6074
28	10.3	10.0W	31 38.585	-0.0001	15	-55 30 34.08	-0.042	15	0.24	38.586	15	38.5	33.60	18	38.5	A0	C9	5950	P*-55 6624
29	9.7	9.5W	31 39.732	-0.0011	07	-52 37 51.58	-0.040	07	0.18	39.746	15	38.5	51.11	18	38.5	A0	C9	5951	P -52 8551
30	10.0	10.0W	31 42.429	-0.0059	07	-52 21 29.74	-0.028	07	0.18	42.496	15	38.5	29.42	18	38.5	A2	C9	5952	P -52 8552
31	8.9	8.7W	31 48.692	-0.0065	07	-57 34 18.43	-0.049	07	0.14	48.720	14	45.6	18.22	14	45.6	F8	CO	4895	P -57 7102
32	8.7	8.5W	31 51.331	0.0024	07	-56 44 16.98	-0.014	07	0.14	51.321	14	45.6	16.92	14	45.6	F8	CO	4896	P*-56 6810
33	8.5	8.8W	31 52.508	-0.0041	07	-54 33 34.92	-0.035	07	0.18	52.555	15	38.5	34.53	18	38.5	A0	C9	5953	P -54 6583
34	9.1E	8.8Z	31 52.501	-0.0029	12	-51 25 48.22	-0.018	12	0.66	52.641	31	01.5	47.36	31	01.5	K0	CZ	13592	P -51 8241
35	9.4	9.5W	31 56.902	-0.0000	07	-56 10 3.16	-0.011	07	0.14	56.962	14	45.6	3.11	14	45.6	A	CO	4897	P -55 6627
36	9.4	9.6W	32 1.277	-0.0016	08	-53 26 28.96	-0.021	08	0.19	1.295	15	38.5	28.71	18	38.5	A0	C9	5954	P -53 6573
37	8.9	9.4W	32 4.573	-0.0037	07	-53 26 48.01	-0.017	07	0.18	4.616	15	38.5	47.81	18	38.5	A0	C9	5955	P -53 6574
38	9.8E	9.5Z	32 9.109	0.0002	12	-51 2 57.49	-0.009	12	0.71	9.099	45	03.5	57.08	45	03.5	A2	CZ	13600	P -50 8263
39	10.4E	10.0Z	32 9.512	-0.0001	12	-50 33 25.88	-0.014	12	0.71	9.516	45	03.5	25.23	45	03.5		CZ	13601	P -50 8264
40	10.3E	9.9Z	32 9.520	-0.0009	12	-51 29 45.39	-0.009	12	0.82	9.562	63	03.5	44.98	57	03.5		CZ	13599	P -51 8246
41	10.7E	9.7Z	32 11.293	0.0009	12	-50 34 27.67	-0.033	12	0.71	11.251	45	03.5	26.14	45	03.5		CZ	13604	P -50 8266
42	11.2E	10.0H	32 11.385	0.0015	12	-50 34 34.17	-0.044	12	0.71	11.315	45	03.5	32.13	45	03.5		CZ	13605	P -50 8266
43	9.6E	9.0H	32 13.268	-0.0011	12	-50 7 25.18	-0.010	12	0.73	13.319	45	01.0	24.70	45	01.0	MB	CZ	13606	P -49 8296
44	8.7	9.0W	32 13.673	-0.0011	07	-55 41 35.07	-0.067	07	0.18	13.686	15	38.5	34.30	18	38.5	B8	C9	5956	P -55 6631
45	9.2	8.5W	32 14.147	-0.0120	07	-53 6 44.08	-0.101	07	0.18	14.285	15	38.5	42.91	18	38.5	K0	C9	5957	P -52 8565
46	9.9E	9.7Z	32 20.528	0.0004	12	-50 44 32.58	-0.015	12	0.71	20.509	45	03.5	31.90	45	03.5	A2	CZ	13608	P -50 8278
47	9.9E	9.0Z	32 21.432	0.0002	12	-50 53 21.21	0.005	12	0.71	21.422	45	03.5	21.46	45	03.5	A5	CZ	13611	P -50 8280
48	9.6	9.8W	32 23.531	-0.0012	07	-52 33 41.63	-0.027	07	0.18	23.546	15	38.5	41.31	18	38.5	A2	C9	5958	P -52 8573
49		7.9T	32 30.663	-0.0006	22	-56 50 56.84	-0.031	16	0.86	30.689	22	08.0	55.48	22	06.1	B9	GC	20945	P -56 6816
50	9.1E	9.0Z	32 34.385	-0.0004	12	-50 29 26.77	-0.006	12	0.71	34.406	45	03.5	26.49	45	03.5	B5	CZ	13614	P -50 8286
51	8.9	8.9W	15 32 37.804	-0.0027	06	-53 19 18.03	-0.036	06	0.18	37.835	15	38.5	17.61	18	38.5	A2	C9	5959	P -53 6578
52	9.8	10.1W	32 39.344	-0.0018	07	-52 31 35.26	-0.012	07	0.18	39.366	15	38.5	35.11	18	38.5	A0	C9	5960	P -52 8581
53	9.2	9.1W	32 40.817	-0.0006	07	-58 24 41.99	-0.015	07	0.14	40.821	14	45.6	41.92	14	45.6	B3	CO	4899	P -58 6089
54	9.8E	9.2Z	32 48.371	-0.0020	12	-51 46 43.89	-0.009	12	0.82	48.463	63	03.5	43.46	57	03.5	A0	CZ	13621	P -51 8260
55	10.0	9.6W	32 49.246	-0.0006	12	-58 31 10.19	-0.015	12	0.15	49.249	14	45.6	10.12	14	45.6	F8	CO	4900	P -58 6093
56	9.2	9.4W	32 54.441	-0.0000	07	-57 27 21.35	-0.006	07	0.14	54.441	14	45.6	21.32	14	45.6	B8	CO	4901	P -57 7106
57		7.9T	33 5.933	0.0020	14	-53 33 15.01	-0.006	12	0.66	5.838	21	03.9	14.71	19	00.2	A5	GC	20957	P -53 6586
58	11.2E	9.5H	33 8.277	-0.0076	12	-50 0 14.58	-0.151	12	0.73	8.652	45	01.0	7.18	45	01.0	G0	CZ	13630	P -49 8320
59	9.2E	8.5Z	33 8.553	-0.0079	12	-50 0 5.83	-0.136	12	0.73	8.937	45	01.0	59.17	45	01.0	G0	CZ	13631	P -49 8320
60	10.5		33 12.454	-0.0001	15	-53 0 45.10	-0.033	15	0.24	12.456	15	38.5	44.71	18	38.5	A0	C9	5962	P -52 8594
61	9.7	9.6W	33 18.443	-0.0028	07	-52 58 27.36	-0.056	07	0.18	18.475	15	38.5	26.71	18	38.5	F2	C9	5963	P -52 8598
62	8.8	8.2W	33 24.506	-0.0138	06	-54 19 55.62	-0.044	06	0.18	24.665	15	38.5	55.12	18	38.5	G0	C9	5964	P -54 6599
63		8.1T	33 29.201	-0.0017	18	-54 18 17.75	0.004	15	0.78	29.273	22	06.4	17.88	21	03.3	B8	GC	20966	P -54 6601
64	8.2	8.2W	33 32.031	0.0006	06	-58 37 26.71	-0.021	06	0.14	32.028	14	45.6	26.62	14	45.6	F0	CO	4902	P -58 6105
65	8.8	8.7W	33 32.176	-0.0051	07	-52 34 57.71	-0.034	07	0.18	32.235	15	38.5	57.31	18	38.5	F2	C9	5967	P -52 8601
66	8.1	8.4W	33 34.024	-0.0010	07	-53 19 34.98	-0.014	07	0.18	34.036	15	38.5	34.81	18	38.5	A0	C9	5968	P -53 6593
67	8.5	7.8W	33 37.329	-0.0049	07	-54 11 59.60	-0.058	07	0.18	37.385	15	38.5	58.92	18	38.5	G5	C9	5969	P -53 6592
68	10.6	9.6W	33 37.371	-0.0012	09	-52 14 4.12	-0.026	09	0.20	37.386	15	38.5	3.82	18	38.5	G5	C9	5970	P -51 8278
69	9.6	9.4W	33 38.139	-0.0059	07	-55 10 45.75	-0.040	07	0.18	38.207	15	38.5	45.30	18	38.5	A3	C9	5971	P -54 6603
70	9.4E	9.0Z	33 38.377	0.0001	12	-50 33 49.66	-0.012	12	0.63	38.372	28	02.5	49.08	26	02.5	A2	CZ	13642	P -50 8313
71	9.2E	9.0Z	33 42.076	0.0002	12	-50 36 12.03	-0.012	12	0.66	42.067	36	03.5	11.46	36	03.5	B8	CZ	13647	P -50 8315
72	10.3E	9.0Z	33 44.085	0.0003	12	-51 29 55.18	-0.006	12	0.82	44.071	63	03.5	54.90	57	03.5		CZ	13646	P -51 8282
73	10.3E	8.5Z	33 49.309	-0.0012	12	-51 27 15.97	-0.019	12	0.82	49.365	63	03.5	15.09	57	03.5	K5	CZ	13653	P -51 8285
74	9.7	10.0W	33 49.669	-0.0015	14	-52 2 11.88	-0.023	14	0.23	49.686	15	38.5	11.62	18	38.5	A0	C9	5972	P -51 8284
75	8.8	8.7W	33 55.041	0.0074	07	-59 14 32.89	-0.038	07	0.14	55.008	14	45.6	32.72	14	45.6	F2	CO	4903	P -58 6110
76	10.0	9.5W	33 56.058	-0.0007	09	-52 14 17.12	-0.009	09	0.20	56.066	15	38.5	17.02	18	38.5	F8	C9	5973	P -51 8291
77	7.7	8.2W	33 57.536	-0.0003	06	-59 42 46.21	0.002	06	0.14	57.537	14	45.6	46.22	14	45.6	B3	CO	4904	P -59 6182
78	10.7		33 59.241	-0.0012	15	-52 42 23.33	-0.036	15	0.24	59.256	15	38.5	22.91	18	38.5	A0	C9	5974	P -52 8616
79	9.8	10.2W	34 1.268	-0.0041	15	-52 19 27.22	0.026	15	0.24	1.316	15	38.5	27.52	18	38.5	B9	C9	5975	P -52 8618
80		6.9T	34 12.767	-0.0032	14	-54 21 30.07	-0.026	10	0.62	12.915	21	04.6	28.75	19	99.5	A2	GC	20987	P -54 6607
81	10.0	8.2W	34 15.942	0.0003	06	-57 6 42.98	-0.014	06	0.14	15.941	14	45.6	42.92	14	45.6	K5	CO	4905	P -56 6827
82	10.2		34 31.533	-0.0054	07	-53 4 5.38	-0.032	07	0.18	31.596	15	38.5	5.01	18	38.5	A2	C9	5977	P -52 8638
83	9.4	8.6W	34 34.765	-0.0001	13	-55 39 48.28	-0.051	13	0.22	34.766	15	38.5	47.70	18	38.5	K0	C9	5978	P -55 6649
84	8.7	8.7W	34 37.020	-0.0058	07	-55 2 43.31	-0.019	07	0.18	37.087	15	38.5	43.10	18	38.5	A5	C9	5979	P -54 6610
85		7.8T	34 39.004	0.0014	14	-53 8 29.74	0.009	12	0.66	38.940	21	03.6	30.19	19	99.9	B9	GC	20997	P -52 8640
86	9.5	9.8W	34 39.891	-0.0004	09	-52 8 38.99	0.002	09	0.20	39.896	15	38.5	39.01	18	38.5	A0	C9	5981	P -51 8307
87	9.7E	9.5Z	34 50.486	0.0000	12	-50 16 38.34	-0.010	12	0.71	50.484	45	03.5	37.86	45	03.5	A0	CZ	13678	P -50 8347
88	9.6	8.7W	34 51.729	-0.0002	07	-58 2 54.04	-0.005	07	0.14	51.730	14	45.6	54.02	14	45.6	K0	CO	4906	P -57 7120
89	9.2E	9.0Z	34 53.564	0.0001	12	-51 18 42.03	-0.017	12	0.82	53.559	63	03.5	41.24	57	03.5	A0	CZ	13679	P -51 8318
90	9.6	9.6W	34 54.024	-0.0027	07	-52 51 45.02	0.008	07	0.18	54.056	15	38.5	45.11	18	38.5	A2	C9	5982	P -52 8656
91	8.6	8.1W	34 58.574	-0.0060	06	-57 32 36.68	-0.105	06	0.14	58.600	14	45.6	36.22	14	45.6	G5	CO	4907	P -57 7121
92	9.8	9.6W	35 0.300	-0.0004	07	-52 19 43.20	0.010	07	0.18	0.296	15	38.5	43.31	18	38.5	F2	C9	5983	P -52 8659
93		5.5H	35 5.756	-0.0036	04	-52 12 34.33	-0.038	04	0.15	5.880	06	16.0	33.07	06	16.5	A0	F4	1411	C -51 9324
94	10.2E	9.8H	35 10.058	-0.0037	12	-50 17 3.45	-0.033	12	0.71	10.229	45	03.5	1.91	45	03.5	K2	CZ	13686	P -50 8356
95	9.6	8.8W	35 12.910	-0.0019	07	-59 2 39.44	-0.004	07	0.14	12.918	14	45.6	39.42	14	45.6	F0	CO	4908	P -58 6127
96	9.4E	8.9H	35 14.029	-0.0027	12	-50 11 0.27	-0.047	12	0.71	14.152	45	03.5	58.08	45	03.5	K0	CZ	13687	P -49 8368
97	8.5	8.8W	35 22.641	-0.0014	07	-55 11 51.32	-0.011	07	0.18	22.657	15	38.5	51.20	18	38.5	B8	C9	5985	P -54 6616
98	10.1E	8.5Z	35 23.128	-0.0008	12	-51 4 45.00	-0.013	12	0.71	23.166	45	03.5	44.40	45	03.5	K5	CZ	13690	P -50 8361
99		7.2T	35 42.512	-0.0007	13	-55 15 53.72	-0.012	11	0.64	42.548	18	99.8	53.08	17	96.5	K0	GC	21026	P -55 6655
00	9.1	9.1W	35 45.220	0.0002	07	-58 58 40.05	-0.006	07	0.14	45.218	14	45.6	40.02	14	45.6	B8	CO	4909	P -58 6132

242800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1	9.0E	8.5Z	15 35 46.319	-0.0007	12	-50 54 56.41	-0.010	12	0.64	46.353	31	02.2	55.94	28	02.2	+++	CZ	13701	P*-50 8378
2	10.1	10.2W	35 47.884	-0.0002	13	-52 25 26.90	0.010	13	0.22	47.886	15	38.5	27.02	18	38.5	A0 O	C9	5987	P -52 8681
3		6.1T	35 49.955	-0.0160	09	-59 44 37.01	-0.220	07	0.39	50.762	17	04.8	25.93	15	99.6	F5	GC	21027	P -59 6206
4	10.2E	9.9Z	35 58.329	-0.0021	12	-51 16 15.08	-0.005	12	0.82	58.427	63	03.5	14.85	57	03.5		CZ	13705	P -51 8338
5	10.1		36 3.728	0.0020	14	-52 30 30.26	-0.012	14	0.23	3.705	15	38.5	30.11	18	38.5	A0	C9	5988	P -52 8688
6	9.5E	9.5Z	36 6.450	0.0005	12	-51 39 59.70	-0.010	12	0.82	6.426	63	03.5	59.22	57	03.5	A0	CZ	13706	P -51 8343
7	9.3E	9.5Z	36 9.110	0.0003	12	-50 44 28.57	-0.006	12	0.71	9.087	45	03.5	28.29	45	03.5	A0	CZ	13707	P -50 8386
8	9.1E	9.6H	36 10.887	-0.0012	12	-50 17 3.66	-0.017	12	0.71	10.941	45	03.5	2.86	45	03.5	A2	CZ	13710	P -50 8388
9	9.9E	9.5Z	36 12.565	-0.0009	12	-51 47 53.37	-0.014	12	0.66	12.608	31	01.5	52.67	31	01.5	F2	CZ	13709	P -51 8348
10		6.6T	36 13.996	-0.0012	12	-56 45 9.44	-0.031	08	0.55	14.064	21	01.5	7.65	18	92.0	K0	GC	21035	P -56 6842
11	9.5	8.1W	36 16.994	-0.0009	06	-58 58 30.04	-0.005	06	0.14	16.998	14	45.6	30.02	14	45.6	+++	C0	4912	P -58 6139
12	8.3	8.5W	36 20.941	-0.0000	07	-56 58 38.87	-0.012	07	0.14	20.941	14	45.6	38.82	14	45.6	B9	C0	4913	P -56 6843
13	10.1E	10.0Z	36 26.350	-0.0133	12	-51 49 36.95	-0.127	12	0.82	26.968	63	03.5	31.02	57	03.5		CZ	13716	P -51 8356
14	9.7E	9.0Z	36 28.030	-0.0020	12	-51 10 42.87	-0.025	12	0.82	28.124	63	03.5	41.71	57	03.5	A5	CZ	13717	P -50 8396
15	8.4E	8.8H	36 30.522	-0.0001	12	-50 18 33.04	-0.019	12	0.64	30.525	31	02.1	32.12	28	02.1	A0	CZ	13721	P -50 8400
16	10.1E	9.0Z	36 32.431	-0.0024	12	-51 16 4.05	-0.002	12	0.82	32.543	63	03.5	3.95	57	03.5		CZ	13720	P -51 8359
17	10.6		36 33.558	-0.0033	15	-52 20 24.69	-0.032	15	0.24	33.596	15	38.5	24.32	18	38.5	B8 O	C9	5989	P -52 8703
18	10.4		36 47.067	0.0001	15	-52 18 19.91	-0.008	15	0.24	47.066	15	38.5	19.81	18	38.5	B8 O	C9	5990	P -52 8710
19	10.5E	9.0Z	36 51.363	-0.0004	12	-51 10 19.89	-0.014	12	0.82	51.382	63	03.5	19.24	57	03.5		CZ	13732	P -50 8408
20	11.8E	10.0H	36 51.983	0.0005	12	-51 10 14.60	-0.030	12	0.82	51.960	63	03.5	13.21	57	03.5		CZ	13733	P -50 8408
21	10.4E	9.8Z	36 53.227	0.0004	12	-50 47 57.55	-0.001	12	0.71	53.209	45	03.5	57.51	45	03.5		CZ	13735	P -50 8409
22	8.0	8.3W	36 57.786	-0.0017	06	-54 55 45.47	-0.013	06	0.18	57.805	15	38.5	45.33	18	38.5	B8	C9	5991	P -54 6629
23	10.4E	9.6H	36 57.807	-0.0033	12	-50 19 15.83	-0.009	12	0.71	57.958	45	03.5	15.41	45	03.5		CZ	13738	P -50 8416
24	8.7	8.9W	37 0.093	-0.0002	08	-52 4 14.43	-0.027	08	0.19	0.096	15	38.5	14.11	18	38.5	B9	C9	5992	P -51 8370
25	9.4	8.4W	37 2.229	0.0002	06	-52 18 45.36	-0.021	06	0.18	2.226	15	38.5	45.12	18	38.5	K0	C9	5993	P -52 8715
26	9.3	9.4W	37 4.925	-0.0032	07	-59 0 9.18	-0.014	07	0.14	4.938	14	45.6	9.12	14	45.6	A0	C0	4914	P -58 6145
27	10.0	9.6W	37 8.361	-0.0046	13	-57 21 46.26	-0.014	13	0.15	8.381	14	45.6	46.32	14	45.6	A2	C0	4915	P -57 7141
28	9.4E	9.7H	37 8.824	-0.0005	12	-50 12 26.52	-0.014	12	0.71	8.845	45	03.5	25.86	45	03.5	B9	CZ	13744	P -49 8417
29	10.2E	9.0Z	37 12.419	-0.0025	12	-51 18 34.00	-0.015	12	0.82	12.535	63	03.5	33.31	57	03.5		CZ	13746	P -51 8377
30	9.4	10.0W	37 16.813	-0.0028	15	-53 49 35.71	0.010	15	0.24	16.845	15	38.5	35.82	18	38.5	B9	C9	5994	P*-53 6632
31	9.7	8.7W	37 24.055	-0.0030	07	-58 36 11.88	0.009	07	0.14	24.068	14	45.6	11.92	14	45.6	K0	C0	4917	P -58 6155
32	10.3E	9.9Z	37 27.653	0.0005	12	-51 40 26.27	-0.015	12	0.82	27.629	63	03.5	25.56	57	03.5		CZ	13751	P -51 8381
33	9.1	9.1W	37 31.026	-0.0025	07	-53 2 49.68	-0.023	07	0.18	31.055	15	38.5	49.41	18	38.5	A2	C9	5995	P -52 8726
34	9.9E	9.8Z	37 39.604	-0.0001	12	-51 34 36.42	-0.006	12	0.82	39.607	63	03.5	36.14	57	03.5		CZ	13755	P -51 8384
35		7.0T	37 43.595	0.0010	12	-53 13 51.64	-0.017	08	0.56	43.549	21	02.6	50.67	18	93.3	B9	GC	21069	P -52 8732
36	8.8E	8.5Z	37 44.923	-0.0003	12	-51 1 37.19	-0.013	12	0.71	44.937	45	03.5	36.58	45	03.5	A0	CZ	13759	P -50 8431
37	8.8	8.9W	37 47.770	-0.0004	07	-55 56 24.40	-0.021	07	0.14	47.772	14	45.6	24.31	14	45.6	A0	C0	4918	P -55 6668
38	10.2E	10.0Z	37 49.949	-0.0008	12	-50 18 39.71	-0.025	12	0.71	49.984	45	03.5	38.55	45	03.5		CZ	13762	P -50 8437
39	10.0E	9.5Z	37 58.343	0.0007	12	-50 3 4.10	-0.009	12	0.73	58.307	45	01.0	3.65	45	01.0		CZ	13764	P -49 8437
40	10.3E	9.9H	38 0.511	0.0011	12	-50 6 30.93	-0.002	12	0.73	0.456	45	01.0	30.83	45	01.0		CZ	13767	P -49 8438
41		7.4T	38 5.294	0.0018	13	-51 18 41.49	-0.013	12	0.60	5.218	19	06.8	40.82	19	00.7	K2	GC	21078	C -51 9373
42	10.4	10.1W	38 10.570	-0.0005	14	-52 49 43.64	-0.064	14	0.23	10.576	15	38.5	43.01	18	38.5	A0	C9	5998	P -52 8748
43	10.2E	9.9Z	38 11.721	0.0014	12	-50 0 38.56	-0.006	12	0.73	11.650	45	01.0	38.26	45	01.0		CZ	13772	P -49 8444
44	9.0	9.2W	38 15.564	-0.0001	07	-54 43 24.17	-0.013	07	0.18	15.565	15	38.5	24.03	18	38.5	A0	C9	5999	P -54 6635
45	10.7	9.7W	38 23.536	0.0001	07	-51 58 47.04	-0.019	07	0.18	23.536	15	38.5	46.81	18	38.5	G8 O	C9	6000	P -51 8401
46	10.2E	9.9Z	38 24.440	-0.0008	12	-50 18 11.57	-0.016	12	0.71	24.475	45	03.5	10.82	45	03.5		CZ	13780	P -50 8451
47	9.5	9.2W	38 25.991	-0.0022	07	-56 59 55.90	-0.040	07	0.14	26.001	14	45.6	55.72	14	45.6	A5	C0	4919	P -56 6859
48	10.3E	9.8Z	38 26.909	0.0004	12	-51 49 52.70	0.002	12	0.82	26.890	63	03.5	52.78	57	03.5		CZ	13778	P -51 8404
49	10.0E	9.8Z	38 35.261	0.0008	12	-51 39 25.34	-0.008	12	0.82	35.223	63	03.5	24.97	57	03.5		CZ	13783	P -51 8412
50	8.9	9.1W	38 47.683	-0.0035	07	-58 43 52.95	-0.007	07	0.14	47.698	14	45.6	52.92	14	45.6	A0	C0	4920	P*-58 6183
51	10.1E	9.0Z	15 38 50.409	0.0008	12	-50 54 8.89	-0.008	12	0.71	50.372	45	03.5	8.52	45	03.5	A2	CZ	13791	P -50 8463
52	9.8E	9.0Z	38 55.856	0.0005	12	-51 18 48.65	-0.020	12	0.82	55.833	63	03.5	47.72	57	03.5		CZ	13795	P -51 8423
53	8.8	7.5W	38 56.485	0.0010	06	-57 57 21.03	-0.003	06	0.14	56.480	14	45.6	21.02	14	45.6	+++	C0	4921	P*-57 7155
54	9.1	9.0W	39 2.235	-0.0027	09	-51 55 34.50	-0.033	09	0.20	2.266	15	38.5	34.12	18	38.5	F8	C9	6002	P -51 8426
55	10.3		39 2.243	-0.0002	09	-52 12 2.84	-0.045	09	0.20	2.246	15	38.5	2.32	18	38.5	A	C9	6001	P -51 8425
56	9.4	9.4W	39 6.747	-0.0007	07	-57 48 56.98	-0.014	07	0.14	6.750	14	45.6	56.92	14	45.6	A0	C0	4922	P -57 7157
57	10.1E	9.7Z	39 6.739	0.0006	12	-51 27 13.36	-0.008	12	0.82	6.711	63	03.5	12.99	57	03.5		CZ	13799	P -51 8431
58	8.9E	8.0Z	39 12.078	0.0023	12	-51 0 47.28	-0.010	12	0.71	11.971	45	03.5	47.75	45	03.5	K0	CZ	13803	P -50 8469
59	10.2		39 14.041	-0.0004	14	-52 27 49.20	-0.042	14	0.23	14.046	15	38.5	48.72	18	38.5	A2	C9	6003	P -52 8764
60	7.7E	8.0Z	39 17.912	-0.0010	12	-51 9 47.23	-0.005	12	0.82	17.960	63	03.5	47.00	57	03.5	B8	CZ	13805	P -50 8471
61	9.6	9.7W	39 18.125	-0.0035	07	-53 10 1.50	-0.025	07	0.18	18.165	15	38.5	1.21	18	38.5	A0	C9	6004	P -52 8765
62	8.2	8.3W	39 22.199	-0.0045	07	-58 39 22.97	-0.011	07	0.14	22.218	14	45.6	22.92	14	45.6	A2	C0	4923	P -58 6200
63	10.1	10.2W	39 29.581	-0.0012	07	-52 53 4.17	-0.022	07	0.18	29.595	15	38.5	3.91	18	38.5	A0	C9	6005	P -52 8770
64	10.1E	9.9Z	39 31.245	0.0012	12	-50 14 9.74	-0.025	12	0.66	31.188	36	03.5	8.57	36	03.5		CZ	13810	P -49 8473
65	8.9E	9.0Z	39 33.865	-0.0016	12	-51 15 22.48	-0.011	12	0.71	33.940	45	03.5	21.97	45	03.5	A0	CZ	13811D	P*-51 8443
66	7.6E	8.0Z	39 34.055	-0.0007	12	-50 57 18.54	-0.015	12	0.63	34.089	28	02.5	17.84	26	02.5	B9	CZ	13812	P -50 8483
67	9.3E	8.5Z	39 35.390	0.0010	12	-50 59 48.19	0.008	12	0.66	35.344	36	03.5	48.57	36	03.5		CZ	13813	P -50 8485
68		7.4T	39 37.129	0.0001	18	-56 0 11.72	-0.009	14	0.77	37.124	22	05.9	11.29	21	02.6	K0	GC	21110	P -55 6676
69	9.8E	9.3Z	39 38.873	0.0031	12	-50 14 15.15	-0.009	12	0.66	38.728	36	03.5	14.72	36	03.5	K0	CZ	13819	P -49 8477
70	9.6	9.5W	39 39.514	-0.0015	07	-57 42 40.32	-0.022	07	0.14	39.520	14	45.6	40.22	14	45.6	A0	C0	4924	P -57 7161
71		7.4T	39 40.601	-0.0010	13	-57 17 37.95	0.001	11	0.56	40.647	18	08.0	38.00	18	02.5	A2	GC	21112	P -57 7163
72	10.3E	9.5Z	39 40.798	-0.0023	12	-51 47 52.53	-0.011	12	0.71	40.904	45	03.5	52.00	45	03.5	K2	CZ	13816	P -51 8446
73	9.3E	9.6Z	39 42.261	-0.0001	12	-50 46 6.52	-0.006	12	0.66	42.266	36	03.5	6.24	36	03.5	A0	CZ	13822	P -50 8491
74	9.8E	8.5Z	39 43.015	-0.0004	12	-51 48 22.81	-0.011	12	0.71	43.033	45	03.5	22.27	45	03.5	K2	CZ	13820	P -51 8447
75	9.6	9.6W	39 45.783	0.0006	14	-57 32 21.68	0.008	14	0.15	45.780	14	45.6	21.72	14	45.6	A0	C0	4927	P -57 7167
76	9.3E	9.0Z	39 45.852	-0.0003	12	-51 41 7.77	-0.014	12	0.71	45.865	45	03.5	7.10	45	03.5	F0	CZ	13825	P -51 8448
77	10.5E	9.9Z	39 46.289	0.0002	12	-50 44 19.91	-0.011	12	0.66	46.280	36	03.5	19.40	36	03.5		CZ	13829	P -50 8494
78	10.7E	9.5Z	39 46.615	0.0002	12	-51 41 18.75	-0.023	12	0.71	46.605	45	03.5	17.66	45	03.5	F0	CZ	13826	P -51 8448
79	9.2E	8.5Z	39 48.453	-0.0092	12	-50 53 18.00	-0.072	12	0.66	48.881	36	03.5	14.65	36	03.5	F5	CZ	13831	P -50 8495
80		6.7T	39 54.891	0.0006	13	-51 28 17.33	-0.022	10	0.62	54.863	19	00.4	16.10	18	95.2	K2	GC	21115	C -51 9417
81	10.1E	9.0Z	40 0.341	-0.0003	12	-50 26 57.91	0.012	12	0.71	0.353	45	03.5	58.46	45	03.5	K5	CZ	13841	P -50 8497
82	9.3	9.4W	40 1.666	-0.0028	12	-58 49 49.28	0.010	12	0.15	1.678	14	45.6	49.32	14	45.6	B8	C0	4928	P -58 6218
83	9.4E	9.6Z	40 4.685	-0.0008	12	-51 50 8.67	-0.068	12	0.71	4.721	45	03.5	5.49	45	03.5	F8	CZ	13842	P -51 8461
84		6.3I	40 11.707	-0.0010	24	-54 49 44.79	-0.023	14	0.92	11.752	29	05.7	43.72	21	03.7	M4E	GC	21118V	P*-54 6651
85	10.0E	9.6Z	40 12.165	-0.0024	12	-51 36 22.43	-0.024	12	0.82	12.275	63	03.5	21.32	57	03.5		CZ	13845	P -51 8463
86	10.0	10.1W	40 13.023	-0.0028	15	-52 32 28.53	-0.036	15	0.24	13.056	15	38.5	28.11	18	38.5	A0	C9	6008	P -52 6785
87	8.1	8.3W	40 18.387	-0.0009	06	-56 57 17.70	-0.017	06	0.14	18.391	14	45.6	17.62	14	45.6	B8	C0	4929	P -56 6872
88		7.4T	40 19.725	-0.0008	12	-51 44 49.31	-0.009	09	0.60	19.766	22	99.2	48.79	19	90.8	B9	GC	21120	C -51 9421
89		7.0T	40 20.508	-0.0012	16	-50 0 27.80	-0.016	12	0.69	20.566	21	05.3	27.02	19	01.1	B9	GC	21122	P -55 6679
90	9.3	8.4W	40 23.873	-0.0037	06	-52 48 56.62	-0.061	06	0.18	23.916	15	38.5	55.91	18	38.5	K0	C9	6010	P -52 8788
91		7.9T	40 26.342	-0.0025	16	-54 9 48.80	-0.038	10	0.64	26.453	22	06.2	46.90	21	00.2	A3	GC	21125K	P*-53 6667
92		6.9T	40 30.616	-0.0016	13	-50 3 27.79	-0.015	09	0.62	30.692	18	02.2	26.96	19	93.0	F0	GC	21126K	C -49 9937
93	7.8E	8.0Z	40 31.379	-0.0018	12	-51 33 25.40	-0.005	12	0.82	31.463	63	03.5	25.18	57	03.5	B9	CZ	13852	P -51 8480
94	9.7	9.1W	40 36.452	-0.0170	11	-59 48 59.86	-0.101	11	0.15	36.527	14	45.6	59.42	14	45.6	G5	C0	4932	P -59 6269
95	8.6	8.6W	40 41.401	-0.0004	07	-54 6 36.73	-0.000	07	0.18	41.405	15	38.5	36.72	18	38.5	B9	C9	6012	P -53 6672
96	10.2E	9.8Z	40 46.392	-0.0002	12	-50 14 35.29	-0.008	12	0.71	46.400	45	03.5	34.91	45	03.5		CZ	13861	P -50 8511
97	8.0	8.3W	40 47.686	-0.0008	06	-52 55 50.26	-0.030	06	0.18	47.695	15	38.5	49.91	18	38.5	B9	C9	6013	P -52 8796
98	8.6	8.8W	40 47.985	-0.0004	07	-59 35 33.41	-0.021	07	0.14	47.987	14	45.6	33.32	14	45.6	B8	C0	4933	P -59 6274
99	9.0	9.1W	40 50.567	0.0015	06	-56 39 14.48	-0.013	06	0.14	50.561	14	45.6	14.42	14	45.6	A0	C0	4934	P -56 6874
00	8.4	8.6W	40 53.765	0.0016	07	-55 21 40.53	-0.020	07	0.18	53.747	15	38.5	40.30	18	38.5	B9	C9	6014	P -55 6681

242900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1		7.6T	15 40 54.401	-0.0045	13	-58 57 59.57	-0.011	11	0.61	54.619	19	05.0	59.05	18	01.5	A2	GC	21134K	P -58 6243
2		7.7T	40 55.552	-0.0036	17	-54 56 37.01	-0.052	13	0.74	55.714	22	04.9	34.45	19	00.7	F0	GC	21135	P -54 6654
3	9.0	9.3W	40 57.325	-0.0001	09	-52 12 20.81	0.027	09	0.20	57.326	15	38.5	21.12	18	38.5	A0	C9	6016	P -51 8495
4	9.2	9.4W	41 0.472	-0.0012	07	-52 3 28.79	0.037	07	0.18	0.486	15	38.5	29.22	18	38.5	A0	C9	6017	P -51 8497
5	9.3	9.2W	41 1.287	-0.0007	13	-57 44 5.98	0.010	13	0.15	1.290	14	45.6	6.02	14	45.6	B8	CO	4936	P -57 7184
6	8.1E	8.0Z	41 4.139	-0.0096	12	-50 55 8.54	-0.092	12	0.71	4.586	45	03.5	4.26	45	03.5	G0	CZ	13867	P -50 8518
7	8.7	8.8W	41 5.549	0.0003	07	-54 13 13.62	-0.017	07	0.18	5.545	15	38.5	13.42	18	38.5	B8	C9	6018	P -53 6674
8	9.4	8.2W	41 6.004	0.0007	06	-56 45 7.48	-0.013	06	0.14	6.001	14	45.6	7.42	14	45.6	K0	CO	4937	P -56 6876
9	8.2E	8.0Z	41 7.596	-0.0027	12	-50 51 41.86	-0.019	12	0.71	7.722	45	03.5	40.97	45	03.5	A0	CZ	13868	P -50 8520
10	9.5	9.6W	41 8.006	0.0069	15	-55 37 8.18	-0.068	15	0.24	7.926	15	38.5	7.40	18	38.5	A0	C9	6019	P -55 6683
11		8.6T	41 8.160	0.0028	14	-58 31 35.35	0.001	10	0.57	8.030	18	07.6	35.41	17	03.5	F8	GC	21143K	P -58 6250
12	10.1	9.7W	41 9.188	-0.0006	06	-52 46 39.50	-0.068	06	0.18	9.196	15	38.5	38.71	18	38.5	G0	C9	6020	P -52 8805
13		7.6T	41 11.773	0.0004	16	-58 31 50.38	-0.002	12	0.67	11.753	21	06.1	50.29	19	01.1	+++	GC	21144K	P*-58 6252
14	9.6	9.7W	41 16.674	-0.0018	07	-52 40 4.86	0.005	07	0.18	16.696	15	38.5	4.91	18	38.5	A0	C9	6021	P -52 8811
15		6.6T	41 18.464	-0.0067	13	-50 37 41.69	0.001	08	0.60	18.734	22	01.0	41.73	19	00.5	A2	GC	21149K	C*-50 9787
16	10.5		41 19.788	-0.0007	14	-52 6 50.79	0.011	14	0.23	19.796	15	38.5	50.92	18	38.5	A1	C9	6022	P -51 8502
17	9.8E	10.0Z	41 20.110	-0.0009	12	-51 50 35.97	-0.031	12	0.82	20.151	63	03.5	34.51	57	03.5		CZ	13878	P -51 8503
18	9.6	8.6W	41 21.891	-0.0012	07	-52 16 18.21	0.009	07	0.18	21.906	15	38.5	18.32	18	38.5	K2	C9	6023	P -52 8816
19	9.4	9.4W	41 22.789	0.0002	14	-52 2 56.48	0.030	14	0.23	22.786	15	38.5	56.82	18	38.5	B8	C9	6024	P -51 8507
20	9.6	9.9W	41 33.451	-0.0004	06	-52 48 45.86	-0.021	06	0.18	33.455	15	38.5	45.61	18	38.5	A0	C9	6025	P -52 8821
21	10.1	9.5W	41 35.554	-0.0033	09	-59 58 31.01	-0.022	09	0.14	35.568	14	46.0	30.92	14	46.0	G0	CO	4719	P -59 6209
22	10.2E	9.3Z	41 36.630	0.0004	12	-51 43 20.72	-0.006	12	0.82	36.611	63	03.5	20.42	57	03.5		CZ	13889	P -51 8511
23	9.3	9.5W	41 37.937	-0.0007	06	-52 48 6.71	-0.017	06	0.18	37.946	15	38.5	6.51	18	38.5	A0	C9	6026	P -52 8824
24	9.0	9.0W	41 38.797	0.0010	07	-55 51 2.80	-0.070	07	0.18	38.786	15	38.5	2.00	18	38.5	A3	C9	6027	P -55 6687
25	10.0	8.4W	41 40.677	0.0001	07	-52 24 38.84	0.007	07	0.18	40.676	15	38.5	38.92	18	38.5	K5	C9	6028	P*-52 8827
26	11.2	9.7W	41 41.333	0.0050	15	-55 37 7.31	-0.053	15	0.24	41.276	15	38.5	6.70	18	38.5	K2	C9	6029	P -55 6688
27	8.1	8.2W	41 44.484	-0.0002	07	-55 49 10.35	-0.048	07	0.18	44.486	15	38.5	9.80	18	38.5	A0	C9	6030	P -55 6689
28	8.7	8.0W	41 48.331	0.0005	06	-53 16 55.10	0.001	06	0.18	48.326	15	38.5	55.11	18	38.5	K0	C9	6031	P -53 6681
29	8.6	8.8W	41 49.348	0.0015	14	-56 18 28.01	0.000	14	0.15	49.342	14	45.6	28.01	14	45.6	B9	CO	4941	P -56 6880
30	8.9	8.9W	41 51.754	-0.0001	07	-53 10 51.44	-0.037	07	0.18	51.756	15	38.5	51.01	18	38.5	A2	C9	6032	P -52 8831
31	8.7	8.8W	41 52.450	-0.0019	07	-58 53 24.38	-0.014	07	0.14	52.458	14	45.6	24.32	14	45.6	A0	CO	4942	P -58 6275
32	9.8	9.8W	41 57.663	0.0011	12	-58 47 47.69	0.008	12	0.15	57.658	14	45.6	47.72	14	45.6	B	CO	4943	P -58 6277
33	9.3	9.5W	42 5.394	-0.0027	08	-52 54 9.03	-0.016	08	0.19	5.426	15	38.5	8.81	18	38.5	A0	C9	6033	P*-52 8843
34	9.2	9.0W	42 5.858	-0.0006	14	-57 29 26.36	0.014	14	0.15	5.861	14	45.6	26.42	14	45.6	A2	CO	4944	P -57 7199
35	10.2E	9.9Z	42 6.288	0.0004	12	-50 0 51.18	-0.009	12	0.72	6.268	45	03.0	50.75	45	03.0		CZ	13899	P -49 8533
36	9.4	9.4W	42 9.545	-0.0011	14	-58 11 33.65	-0.007	14	0.15	9.550	14	45.6	33.62	14	45.6	B9	CO	4945	P -57 7200
37	8.0E	8.5H	42 10.524	-0.0004	12	-50 22 47.24	-0.022	12	0.71	10.541	45	03.5	46.21	45	03.5	B9	CZ	13901	P -50 8546
38	8.1	8.3W	42 11.508	-0.0015	07	-52 26 36.03	-0.001	07	0.18	11.526	15	38.5	36.02	18	38.5	A0	C9	6034	P -52 8847
39	9.0	8.2W	42 16.343	0.0007	07	-53 51 20.97	-0.022	07	0.18	16.335	15	38.5	20.72	18	38.5	K0	C9	6035	P -53 6685
40		7.3T	42 17.256	-0.0009	12	-57 39 25.28	-0.004	10	0.51	17.296	18	06.7	25.11	17	02.9	K0	GC	21162	P -57 7201
41	10.3E	9.7Z	42 18.889	0.0010	12	-51 44 36.81	-0.019	12	0.82	18.842	63	03.5	35.91	57	03.5		CZ	13903	P -51 8530
42	9.1E	9.3Z	42 18.935	-0.0002	12	-50 40 19.23	-0.011	12	0.71	18.945	45	03.5	18.72	45	03.5	A0	CZ	13904	P -50 8548
43	9.1E	9.0Z	42 23.373	-0.0022	12	-51 31 7.90	-0.004	12	0.82	23.474	63	03.5	7.71	57	03.5	A5	CZ	13907	P -51 8531
44	8.6E	8.7Z	42 33.195	-0.0000	12	-50 45 10.66	-0.017	12	0.71	33.196	45	03.5	9.87	45	03.5	+++	CZ	13912	P*-50 8554
45	10.0E	9.8Z	42 33.285	0.0027	12	-50 34 6.31	0.008	12	0.71	33.160	45	03.5	6.67	45	03.5		CZ	13913	P -50 8555
46	9.3E	9.6Z	42 33.856	-0.0016	12	-50 34 35.57	-0.005	12	0.71	33.931	45	03.5	35.33	45	03.5	A0	CZ	13914	P -50 8556
47		7.0T	42 48.329	-0.0019	13	-57 58 10.62	-0.039	09	0.57	48.427	21	04.3	8.54	18	97.3	A2	GC	21174K	P*-57 7206
48	9.1E	9.6Z	42 50.126	-0.0008	12	-50 56 57.62	-0.014	12	0.71	50.163	45	03.5	56.97	45	03.5	A0	CZ	13920	P -50 8561
49	10.0	10.0W	42 56.068	-0.0001	07	-59 17 8.29	-0.015	07	0.14	56.068	14	45.6	8.22	14	45.6	A2	CO	4948	P -59 6306
50	9.5	9.7W	42 58.456	0.0001	15	-52 14 13.88	0.012	15	0.24	58.456	15	38.5	14.02	18	38.5	A0	C9	6036	P*-52 8866
51		7.2T	15 43 2.393	0.0010	12	-51 59 30.06	-0.026	10	0.56	2.348	17	04.7	28.74	17	98.9	B5	GC	21178	C -51 9474
52	7.7E	8.0Z	43 4.660	-0.0037	12	-50 4 7.43	-0.012	12	0.65	4.837	31	01.8	6.85	28	01.8	A0	CZ	13929	P -49 8552
53	9.6	8.3W	43 8.057	0.0009	07	-52 8 36.33	0.008	07	0.18	8.046	15	38.5	36.41	18	38.5	K2	C9	6038	P -51 8543
54	8.5	8.8W	43 9.284	-0.0002	07	-52 11 3.64	-0.002	07	0.18	9.286	15	38.5	3.61	18	38.5	A	C9	6039	P -51 8545
55	8.5	8.5W	43 11.932	-0.0030	07	-52 9 56.00	0.010	07	0.18	11.966	15	38.5	56.12	18	38.5	G	C9	6040	P -51 8548
56	8.3	8.7W	43 13.301	0.0005	06	-52 44 0.07	-0.031	06	0.18	13.296	15	38.5	59.71	18	38.5	A0	C9	6041	P -52 8869
57	8.9	9.1W	43 14.135	-0.0011	07	-57 37 13.30	-0.019	07	0.14	14.140	14	45.6	13.22	14	45.6	A0	CO	4949	P -57 7211
58	8.9	9.2W	43 14.953	-0.0002	07	-52 12 12.88	0.003	07	0.18	14.956	15	38.5	12.91	18	38.5	A0	C9	6042	P -51 8550
59	10.2E	10.0Z	43 19.906	-0.0007	12	-50 41 16.04	-0.010	12	0.71	19.939	45	03.5	15.57	45	03.5		CZ	13936	P -50 8578
60	9.7E	9.8Z	43 21.520	-0.0014	12	-50 35 27.25	-0.012	12	0.71	21.586	45	03.5	26.68	45	03.5	B9	CZ	13938	P -50 8581
61	9.4E	9.0Z	43 22.132	-0.0009	12	-50 49 44.35	0.000	12	0.71	22.174	45	03.5	44.35	45	03.5	B9	CZ	13939	P -50 8580
62		9.0T	43 22.264	-0.0100	26	-50 57 53.86	0.061	26	1.16	22.715	21	05.1	56.58	21	05.1	A0	GC	21185	C -50 9826
63		8.2T	43 22.481	-0.0008	14	-59 1 23.88	-0.002	12	0.64	22.518	19	05.3	23.80	18	03.1	F2	GC	21186	P -58 6298
64	9.0E	9.0Z	43 22.693	-0.0000	12	-50 57 57.06	-0.009	12	0.64	22.693	31	02.2	56.63	28	02.2	A0	CZ	13940	P -50 8579
65	9.8	9.4W	43 23.862	-0.0036	07	-58 46 4.31	-0.020	07	0.14	23.878	14	45.6	4.22	14	45.6	F2	CO	4951	P -58 6299
66	9.5	9.5W	43 27.457	0.0036	14	-57 14 37.05	0.015	14	0.15	27.441	14	45.6	37.12	14	45.6	B9	CO	4952	P -57 7214
67	10.0	9.7W	43 28.242	-0.0038	14	-52 27 40.05	-0.029	14	0.23	28.286	15	38.5	39.72	18	38.5	F0	C9	6043	P -52 8874
68	9.9	9.9W	43 29.476	0.0019	13	-59 15 32.95	-0.006	13	0.15	29.468	14	45.6	32.92	14	45.6	B8	CO	4953	P -59 6314
69	10.0E	9.7Z	43 42.741	-0.0014	12	-50 42 31.88	-0.008	12	0.71	42.807	45	03.5	31.50	45	03.5	A0	CZ	13953	P -50 8595
70	9.7	9.9W	43 44.017	0.0012	13	-55 55 10.84	-0.007	13	0.15	44.012	14	45.6	10.81	14	45.6	B8	CO	4954	P -55 6703
71	9.7	9.9W	43 44.041	0.0006	13	-59 3 18.16	-0.031	13	0.15	44.038	14	45.6	18.02	14	45.6	B8	CO	4955	P -58 6305
72	9.5	9.0W	43 45.791	0.0001	07	-57 39 14.95	-0.006	07	0.14	45.790	14	45.6	14.92	14	45.6	F8	CO	4956	P -57 7217
73	9.5	8.4W	43 46.190	0.0021	07	-55 43 41.72	-0.028	07	0.18	46.166	15	38.5	41.40	18	38.5	K2	C9	6045	P -55 6704
74	9.9E	8.5Z	43 46.792	-0.0018	12	-50 55 56.08	0.002	12	0.71	46.876	45	03.5	56.18	45	03.5	K0	CZ	13954	P -50 8598
75	9.6	9.3W	43 50.985	-0.0035	14	-58 14 32.95	0.016	14	0.15	51.000	14	45.6	33.02	14	45.6	F8	CO	4957	P -58 6309
76		8.8T	43 51.820	-0.0016	22	-51 36 46.97	-0.030	20	1.00	51.894	21	04.0	45.58	19	03.3	B9	GC	21193	C -51 9490
77	9.7	10.1W	43 54.364	-0.0028	06	-52 2 24.03	-0.001	06	0.18	54.396	15	38.5	24.02	18	38.5	A0	C9	6046	P -51 8569
78	10.3E	9.4H	43 55.186	-0.0012	12	-50 7 40.08	-0.037	12	0.72	55.241	45	03.0	38.33	45	03.0		CZ	13962	P -49 8575
79	9.0E	9.1H	43 57.131	-0.0014	12	-50 16 3.49	-0.010	12	0.71	57.195	45	03.5	3.02	45	03.5	A0	CZ	13965	P -50 8606
80	11.7E	11.0H	43 59.585	0.0027	12	-51 47 19.34	-0.007	12	0.82	59.458	63	03.5	18.99	57	03.5	A2	CZ	13963	P -51 8571
81	9.7E	9.7Z	44 0.366	0.0009	12	-51 47 21.91	-0.001	12	0.82	0.323	63	03.5	21.84	57	03.5	A2	CZ	13964	P -51 8571
82	8.3	8.4W	44 12.557	-0.0010	07	-56 24 29.41	-0.045	07	0.14	12.562	14	45.6	29.21	14	45.6	A2	CO	4958	P -56 6900
83	9.8E	9.0Z	44 13.059	-0.0018	12	-50 30 45.90	-0.026	12	0.71	13.143	45	03.5	44.68	45	03.5	A0	CZ	13978	P -50 8613
84	10.1	8.8W	44 14.933	0.0007	06	-52 54 19.44	-0.011	06	0.18	14.926	15	38.5	19.31	18	38.5	K2	C9	6047	P -52 8891
85	10.0	10.2W	44 16.375	-0.0001	07	-51 55 9.77	0.030	07	0.18	16.376	15	38.5	10.11	18	38.5	A2	C9	6048	P -51 8577
86	9.0	9.3W	44 19.645	-0.0012	12	-57 55 30.46	0.014	12	0.15	19.651	14	45.6	30.52	14	45.6	B9	CO	4959	P -57 7223
87	9.0	9.2W	44 22.360	0.0013	07	-54 26 25.37	-0.031	07	0.18	22.345	15	38.5	25.02	18	38.5	B8	C9	6049	P -54 6684
88	9.9	10.2W	44 23.565	-0.0009	07	-52 55 7.77	0.004	07	0.18	23.575	15	38.5	7.81	18	38.5	A0	C9	6050	P -52 8896
89	10.2E	10.0Z	44 24.383	-0.0006	12	-51 25 11.47	-0.011	12	0.82	24.411	63	03.5	10.96	57	03.5		CZ	13982	P -51 8579
90		6.7T	44 25.041	-0.0012	15	-50 26 10.91	-0.017	12	0.71	25.100	19	00.7	10.04	18	97.2	A5	GC	21208	C*-50 9853
91	8.9	8.7W	44 32.584	-0.0014	07	-57 37 53.24	-0.027	07	0.14	32.590	14	45.6	53.12	14	45.6	F2	CO	4960	P -57 7230
92	7.7	8.1W	44 36.566	-0.0006	06	-58 42 14.77	-0.011	06	0.14	36.568	14	45.6	14.72	14	45.6	B8	CO	4961	P -58 6324
93	8.4	8.5W	44 38.882	0.0026	13	-56 57 2.87	-0.012	13	0.15	38.871	14	45.6	2.82	14	45.6	B8	CO	4962	P -56 6903
94	10.1E	10.0Z	44 39.098	-0.0013	12	-51 22 12.59	-0.022	12	0.82	39.159	63	03.5	11.57	57	03.5		CZ	13990	P -51 8583
95	9.9E	8.0Z	44 40.952	0.0006	12	-50 25 34.60	-0.019	12	0.71	40.923	45	03.5	33.71	45	03.5	K5	CZ	13992	P -50 8625
96	10.1	10.2W	44 47.868	-0.0007	12	-57 28 44.26	-0.008	12	0.15	47.871	14	45.6	44.22	14	45.6	A2	CO	4964	P -57 7236
97		8.0T	44 56.355	-0.0009	11	-54 14 34.88	-0.022	09	0.54	56.396	21	01.4	33.68	18	95.6	B8	GC	21223	P -54 6687
98	9.5	9.5W	44 56.967	-0.0047	09	-59 42 40.16	-0.009	09	0.15	56.987	14	45.6	40.12	14	45.6	B8	CO	4965	P -59 6339
99	9.5	8.4W	45 1.317	-0.0011	07	-56 19 4.79	-0.019	07	0.14	1.322	14	45.6	4.71	14	45.6	K0	CO	4966	P -56 6908
00		8.2T	45 3.570	-0.0020	13	-54 15 11.53	-0.012	10	0.61	3.663	21	04.3	10.92	19	99.8	B9	GC	21226K	P*-54 6692

243000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1		6.0T	15 45 4.129	-0.0004	11	-52 17 6.75	-0.003	10	0.56	4.149	21	00.3	6.65	18	96.7	K0	GC	21227	P -52 8912
2	10.5	9.9W	45 5.780	-0.0014	14	-52 6 10.98	0.012	14	0.23	5.796	15	38.5	11.12	18	38.5	G2 ○	C9	6054	P -51 8591
3	8.6E	8.2Z	45 6.945	-0.0030	12	-51 53 16.68	0.006	12	0.82	7.084	63	03.5	16.94	57	03.5	A0	CZ	13998	P -51 8592
4	8.2E	8.5Z	45 19.892	-0.0004	12	-51 53 5.49	-0.013	12	0.82	19.910	63	03.5	4.86	57	03.5	E8	CZ	14008	P -51 8600
5	9.2	9.3W	45 22.219	-0.0041	13	-59 59 54.73	-0.001	13	0.15	22.237	14	45.6	54.72	14	45.6	B3	C0	4967	P -59 6345
6	9.3	9.0W	45 24.105	-0.0026	07	-54 26 27.79	0.020	07	0.18	24.135	15	38.5	28.02	18	38.5	F2	C9	6055	P -54 6697
7	8.8E	8.2Z	45 24.737	-0.0078	12	-51 48 7.73	-0.051	12	0.82	25.099	63	03.5	5.35	57	03.5	E8	CZ	14010	P -51 8603
8		7.3T	45 27.898	-0.0012	16	-52 3 46.15	0.027	12	0.73	27.956	24	02.3	47.60	21	96.7	M0	GC	21234	C -51 9521
9	8.3	8.5W	45 29.172	-0.0013	07	-55 25 58.07	-0.006	07	0.18	29.187	15	38.5	58.00	18	38.5	B9	C9	6057	P -55 6719
10	9.4	9.4W	45 34.343	0.0006	07	-56 43 59.30	-0.017	07	0.14	34.341	14	45.6	59.22	14	45.6	B8	C0	4968	P -56 6912
11	8.0	8.1W	45 39.142	-0.0011	06	-52 44 17.70	-0.033	06	0.18	39.156	15	38.5	17.31	18	38.5	A0	C9	6058	P -52 8927
12	10.0E	9.7Z	45 43.515	0.0000	12	-50 28 26.34	-0.015	12	0.66	43.513	36	03.5	25.64	36	03.5	A0	CZ	14023	P -50 8639
13	8.0	8.4W	45 44.791	-0.0004	07	-52 39 38.32	-0.009	07	0.18	44.796	15	38.5	38.21	18	38.5	A0	C9	6059	P -52 8928
14	9.6E	9.3Z	45 47.892	-0.0015	12	-50 42 41.48	-0.015	12	0.66	47.962	36	03.5	40.78	36	03.5	G0	CZ	14024	P -50 8640
15	7.9	8.1W	46 0.070	-0.0014	06	-52 24 42.44	-0.028	06	0.18	0.086	15	38.5	42.12	18	38.5	B9	C9	6060	P -52 8937
16	9.5	8.7W	46 3.157	-0.0025	07	-52 5 32.92	0.035	07	0.18	3.186	15	38.5	33.32	18	38.5	K0	C9	6061	P -51 8617
17	10.0	9.1W	46 10.408	-0.0041	07	-52 42 41.17	0.004	07	0.18	10.456	15	38.5	41.21	18	38.5	G5 ○	C9	6062	P -52 8940
18	10.1	9.6W	46 11.034	-0.0019	07	-52 24 27.70	0.010	07	0.18	11.056	15	38.5	27.82	18	38.5	G2 ○	C9	6063	P -52 8941
19	9.5E	8.5Z	46 15.838	0.0010	12	-50 35 5.42	-0.013	12	0.71	15.792	45	03.5	4.80	45	03.5	F5	CZ	14034	P -50 8649
20	8.6	7.6W	46 16.340	-0.0001	06	-58 21 1.31	0.002	06	0.14	16.340	14	45.6	1.32	14	45.6	K0	C0	4969	P -58 6357
21	8.7	8.9W	46 18.532	-0.0003	07	-54 36 33.97	-0.013	07	0.18	18.535	15	38.5	33.83	18	38.5	A0	C9	6064	P*-54 6705
22		6.0T	46 18.604	-0.0050	08	-53 3 27.48	-0.031	06	0.31	18.805	12	10.0	26.07	12	04.6	B8	GC	21250K	P*-52 8944
23	8.7E	8.9H	46 23.906	0.0000	12	-50 23 5.66	-0.027	12	0.71	23.904	45	03.5	4.40	45	03.5	B8	CZ	14038	P -50 8655
24	8.8E	9.2*	46 25.165	0.0000	12	-50 0 0.04	-0.007	12	0.65	25.163	31	01.8	59.70	28	01.8	B8	CZ	14040	P -49 8629
25	8.6	8.8W	46 25.193	0.0006	07	-57 30 21.65	0.016	07	0.14	25.190	14	45.6	21.72	14	45.6	B8	C0	4970	P -57 7264
26	8.1	8.4W	46 25.221	-0.0004	07	-52 33 48.62	-0.009	07	0.18	25.226	15	38.5	48.51	18	38.5	A0	C9	6066	P -52 8949
27	10.4	8.8W	46 26.167	-0.0007	07	-52 40 0.76	-0.012	07	0.18	26.175	15	38.5	0.61	18	38.5		C9	6067	P -52 8950
28	9.1E	9.5Z	46 29.296	-0.0000	12	-51 14 13.43	-0.026	12	0.82	29.296	63	03.5	12.22	57	03.5	B9	CZ	14041	P -51 8628
29	9.9E	9.9Z	46 29.544	0.0006	12	-50 5 1.78	-0.005	12	0.72	29.513	45	03.0	1.54	45	03.0		CZ	14042	P -49 8630
30	9.7	9.7W	46 32.958	-0.0024	09	-58 34 27.46	-0.010	09	0.15	32.968	14	45.6	27.42	14	45.6	A2	C0	4971	P -58 6367
31	9.6	9.7W	46 34.963	-0.0035	13	-58 47 22.41	0.003	13	0.15	34.978	14	45.6	22.42	14	45.6	B8	C0	4972	P -58 6368
32	9.7E	8.0Z	46 37.225	0.0011	12	-50 36 8.58	-0.010	12	0.71	37.175	45	03.5	8.11	45	03.5	G5	CZ	14044	P -50 8659
33	9.6	8.7W	46 44.131	-0.0012	06	-52 21 24.23	0.034	06	0.18	44.146	15	38.5	24.62	18	38.5	G5	C9	6069	P -52 8959
34	9.3	9.2W	46 45.526	0.0035	13	-57 9 18.61	0.002	13	0.15	45.511	14	45.6	18.62	14	45.6	A2	C0	4973	P -56 6934
35	10.2	9.9W	46 46.620	0.0004	07	-52 26 49.58	-0.023	07	0.18	46.616	15	38.5	49.32	18	38.5	F8 ○	C9	6070	P -52 8961
36	10.0	10.0W	46 53.764	-0.0062	15	-52 51 4.89	0.011	15	0.24	53.835	15	38.5	5.01	18	38.5	A0	C9	6071	P -52 8965
37	10.0	9.7W	46 56.684	-0.0009	14	-58 44 29.52	0.001	14	0.15	56.688	14	45.6	29.52	14	45.6	F5	C0	4974	P -58 6375
38	8.5	8.9W	46 57.493	0.0007	07	-58 19 30.36	-0.010	07	0.14	57.490	14	45.6	30.32	14	45.6	B8	C0	4975	P -58 6376
39	9.9E	9.9Z	46 58.770	0.0014	12	-50 6 27.04	-0.016	12	0.72	58.703	45	03.0	26.28	45	03.0		CZ	14055	P -49 8639
40	10.6	10.2W	46 59.282	-0.0030	14	-51 58 4.64	0.033	14	0.23	59.316	15	38.5	5.02	18	38.5	F2 ○	C9	6072	P -51 8638
41	10.0E	9.8H	47 3.102	-0.0014	12	-50 21 23.40	-0.008	12	0.71	3.165	45	03.5	23.02	45	03.5		CZ	14058	P -50 8675
42	9.1	9.3W	47 6.329	-0.0014	07	-54 50 25.87	0.005	07	0.18	6.345	15	38.5	25.93	18	38.5	A0	C9	6073	P -54 6710
43	9.1	9.4W	47 8.787	-0.0033	07	-52 34 9.29	-0.015	07	0.18	8.826	15	38.5	9.11	18	38.5	A2	C9	6074	P -52 8970
44		5.8T	47 12.836	-0.0004	08	-54 54 18.46	-0.015	06	0.32	12.820	12	09.5	17.78	12	04.7	B5	GC	21273K	P*-54 6711
45			47 13.391	-0.0038	07	-54 53 59.22	-0.017	07	0.18	13.435	15	38.5	59.03	18	38.5	A0 ○	C9	6076	P*-54 6711
46	10.0	10.0W	47 20.588	0.0001	09	-59 47 44.75	-0.008	09	0.15	20.587	14	45.6	44.72	14	45.6	A0	C0	4976	P -59 6371
47	9.3E	9.0Z	47 24.377	-0.0017	12	-50 36 18.08	-0.007	12	0.71	24.457	45	03.5	17.75	45	03.5	B8	CZ	14068	P -50 8687
48	9.9	9.0W	47 29.700	-0.0031	07	-53 10 45.03	-0.010	07	0.18	29.736	15	38.5	44.91	18	38.5	K0	C9	6077	P -52 8983
49	9.4E	9.0Z	47 29.844	-0.0014	12	-51 38 17.49	-0.028	12	0.82	29.907	63	03.5	16.18	57	03.5	K2	CZ	14071	P -51 8652
50	9.3	9.7W	47 30.153	-0.0028	07	-52 41 12.71	-0.025	07	0.18	30.186	15	38.5	12.41	18	38.5	A0	C9	6078	P -52 8984
51	9.2	9.2W	15 47 38.994	-0.0013	07	-58 14 3.79	-0.016	07	0.14	39.000	14	45.6	3.72	14	45.6	A0	C0	4977	P -58 6392
52	10.0E	9.5Z	47 45.072	-0.0010	12	-51 9 32.95	-0.050	12	0.82	45.119	63	03.5	30.63	57	03.5		CZ	14077	P -50 8700
53	9.5	9.9W	47 47.797	-0.0016	07	-53 0 16.77	-0.013	07	0.18	47.856	15	38.5	16.61	18	38.5	A0	C9	6079	P -52 8994
54	10.1		47 50.113	-0.0054	15	-53 2 45.19	-0.015	15	0.24	50.176	15	38.5	45.01	18	38.5	A5 ○	C9	6080	P -52 8997
55	10.9	9.1W	47 52.737	-0.0007	07	-58 14 4.08	-0.013	07	0.14	52.741	14	45.6	4.02	14	45.6	MA	C0	4978	P -58 6396
56	9.0	9.2W	48 4.907	-0.0010	07	-56 12 6.88	0.006	07	0.14	4.912	14	45.6	6.91	14	45.6	B9	C0	4979	P -55 6735
57	7.2E	7.7Z	48 9.205	-0.0013	12	-51 28 10.93	0.001	12	0.66	9.269	31	01.5	10.99	31	01.5	B8	CZ	14088	P -51 8669
58		8.0T	48 22.965	-0.0012	17	-50 59 24.52	-0.008	13	0.77	23.024	18	02.6	24.09	18	98.8	B8	GC	21291	C -50 9927
59	8.3	8.4W	48 32.296	0.0011	07	-56 47 4.80	0.004	07	0.14	32.291	14	45.6	4.82	14	45.6	B9	C0	4980	P -56 6955
60	9.8	9.9W	48 35.749	-0.0040	15	-53 9 44.26	0.066	15	0.24	35.796	15	38.5	45.01	18	38.5	B9	C9	6081	P -52 9011
61	10.5		48 36.198	-0.0015	15	-52 17 11.32	0.052	15	0.24	36.216	15	38.5	11.92	18	38.5		C9	6082	P*-52 9014
62	9.7E	9.8Z	48 39.466	-0.0003	12	-50 5 11.95	-0.006	12	0.72	39.478	45	03.0	11.66	45	03.0		CZ	14101	P -49 8675
63	9.5	8.1W	48 39.525	0.0024	07	-55 24 24.44	-0.021	07	0.18	39.497	15	38.5	24.20	18	38.5	K0	C9	6083	P -55 6741
64	8.9	9.0W	48 41.721	0.0001	07	-57 5 33.95	-0.006	07	0.14	41.721	14	45.6	33.92	14	45.6	B9	C0	4981	P -56 6957
65	8.6	8.8W	48 45.799	-0.0004	07	-56 47 11.37	0.011	07	0.14	45.801	14	45.6	11.42	14	45.6	B9	C0	4982	P*-56 6958
66	9.7	9.9W	48 47.395	-0.0016	07	-56 22 34.40	0.003	07	0.14	47.402	14	45.6	34.41	14	45.6	A0	C0	4983	P -56 6959
67		7.0T	48 47.709	-0.0119	13	-58 54 40.91	-0.113	10	0.57	48.293	19	05.7	35.37	18	00.9	F8	GC	21304	P -58 6407
68	8.9	8.0W	48 48.732	-0.0003	07	-53 17 18.46	0.005	07	0.18	48.736	15	38.5	18.51	18	38.5	K0	C9	6084	P -53 6724
69		7.4T	48 50.715	-0.0022	16	-54 5 33.09	0.009	12	0.69	50.812	21	04.6	33.54	19	99.9	K5	GC	21306	P -53 6723
70	9.5	8.2W	48 58.376	0.0012	07	-57 26 8.13	-0.002	07	0.14	58.371	14	45.6	8.12	14	45.6	K5	C0	4985	P -57 7286
71	8.8	8.7W	48 59.763	0.0006	07	-52 10 32.74	0.024	07	0.18	59.756	15	38.5	33.02	18	38.5	F0	C9	6086	P -51 8686
72	10.2	8.8W	49 0.384	-0.0011	07	-58 54 41.17	-0.012	07	0.14	0.389	14	45.6	41.12	14	45.6	K5	C0	4986	P -58 6411
73	8.5E	9.0Z	49 3.182	-0.0021	12	-51 10 16.51	-0.005	12	0.82	3.280	63	03.5	16.28	57	03.5	A0	CZ	14109	P -50 8723
74	9.1	7.9W	49 4.102	-0.0011	07	-53 39 37.74	0.007	07	0.18	4.115	15	38.5	37.82	18	38.5	K2	C9	6087	P -53 6726
75	8.3	8.3W	49 7.423	-0.0019	07	-53 46 8.35	-0.029	07	0.18	7.445	15	38.5	8.02	18	38.5	A2	C9	6088	P -53 6728
76	9.1E	9.5Z	49 7.855	0.0008	12	-50 43 22.90	-0.005	12	0.71	7.818	45	03.5	22.67	45	03.5	B9	CZ	14111	P -50 8725
77	9.6	9.7W	49 7.989	-0.0020	07	-58 54 50.37	-0.012	07	0.14	7.999	14	45.6	50.32	14	45.6	B9	C0	4987	P -58 6413
78		6.4T	49 9.021	0.0018	09	-50 28 0.52	0.010	07	0.39	8.943	14	07.2	0.96	15	03.8	K2	GC	21314	C -50 9939
79	10.4		49 12.293	-0.0046	15	-52 14 0.39	0.072	15	0.24	12.346	15	38.5	1.22	18	38.5	A0 ○	C9	6089	P -52 9024
80	8.1E	8.0Z	49 12.336	-0.0013	12	-50 3 16.32	-0.026	12	0.63	12.396	28	01.8	15.06	26	01.8	A2	CZ	14115	P -49 8686
81	10.4	9.0W	49 13.822	-0.0011	15	-52 42 9.37	-0.013	15	0.24	13.835	15	38.5	9.21	18	38.5	K2	C9	6090	P -52 9023
82	9.4	9.7W	49 18.204	0.0016	07	-52 58 43.91	0.009	07	0.18	18.186	15	38.5	44.01	18	38.5	A0	C9	6091	P -52 9025
83	10.0	9.9W	49 30.697	-0.0007	15	-53 7 37.52	-0.000	15	0.24	30.706	15	38.5	37.51	18	38.5	A2	C9	6092	P*-52 9029
84	9.1	9.2W	49 34.476	-0.0008	07	-54 29 6.49	0.002	07	0.18	34.485	15	38.5	6.52	18	38.5	B9 ○	C9	6093	P -54 6732
85	8.5	8.8W	49 34.649	0.0012	06	-54 3 12.66	0.022	06	0.18	34.635	15	38.5	12.82	18	38.5	B8	C9	6094	P -53 6732
86	9.5	9.8W	49 35.028	-0.0015	07	-54 30 20.68	-0.005	07	0.18	35.045	15	38.5	20.63	18	38.5	B9 ○	C9	6095	P -54 6733
87	9.4	9.0W	49 37.436	-0.0008	06	-54 0 34.09	-0.049	06	0.18	37.445	15	38.5	33.52	18	38.5	G	C9	6096	P -53 6736
88	10.0	10.0W	49 40.160	-0.0022	15	-53 24 41.05	-0.046	15	0.24	40.185	15	38.5	40.51	18	38.5	A0	C9	6097	P -53 6741
89	9.8	9.7W	49 42.031	-0.0022	07	-52 2 3.69	-0.006	07	0.18	42.056	15	38.5	3.62	18	38.5	A2	C9	6098	P -51 8701
90	9.4	9.1W	49 44.389	-0.0002	06	-57 46 6.65	-0.006	06	0.14	44.390	14	45.6	6.62	14	45.6	B3	C0	4988	P -57 7296
91	9.7	9.5W	49 47.164	-0.0011	13	-59 28 23.10	0.004	13	0.15	47.169	14	45.6	23.12	14	45.6	A0	C0	4989	P -59 6411
92	9.1	8.2W	49 55.055	-0.0061	07	-56 7 39.83	-0.049	07	0.14	55.082	14	45.6	39.61	14	45.6	G5	C0	4990	P -55 6756
93	10.0	9.6W	50 0.563	0.0102	15	-55 44 30.89	-0.034	15	0.24	0.446	15	38.5	30.50	18	38.5	A5	C9	6100	P -55 6758
94	7.2E	8.0Z	50 11.383	-0.0026	12	-51 42 45.18	-0.004	12	0.66	11.510	31	01.5	44.97	31	01.5	A0	CZ	14137	P -51 8706
95	9.8E	9.7Z	50 19.471	-0.0010	12	-50 6 43.26	-0.002	12	0.72	19.516	45	03.0	43.16	45	03.0		CZ	14143	P -49 8718
96	10.3		50 21.889	-0.0023	14	-52 30 48.67	0.004	14	0.23	21.916	15	38.5	48.71	18	38.5	B9 ○	C9	6101	P -52 9052
97		7.3T	50 24.040	0.0048	11	-53 26 8.42	-0.034	09	0.57	23.803	21	00.3	6.53	18	94.5	F2	GC	21326	P -53 6753
98	8.9	8.6W	50 26.367	0.0017	07	-55 10 54.11	0.007	07	0.18	26.347	15	38.5	54.20	18	38.5	B	C9	6103	P -54 6759
99	7.2E	7.7H	50 26.411	-0.0019	12	-50 20 34.32	0.007	12	0.71	26.499	45	03.5	34.65	45	03.5	B5	CZ	14145	P -50 8756
00	8.6E	9.0Z	50 26.927	-0.0008	12	-51 5 54.10	-0.018	12	0.71	26.965	45	03.5	53.26	45	03.5	A0	CZ	14144	P -50 8754

243100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s	σ_{μ} .001	δ_{1950} ° ′ ″	μ' ″	σ_{μ} .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 15H DM NUMBER
1	9.6	9.8W	15 50 34.239	-0.0023	07	-54 15 55.28	-0.005	07	0.18	34.265	15	38.5	55.22	18	38.5	A0	C9	6104	P -54 6766
2	8.7	8.4W	50 41.759	0.0002	06	-58 48 4.40	0.027	06	0.14	41.758	14	45.6	4.52	14	45.6	G0	C0	4991	P -58 6443
3	9.0	9.0W	50 44.306	-0.0035	07	-56 8 0.37	-0.037	07	0.14	44.322	14	45.6	0.21	14	45.6	A2	C0	4992	P -55 6775
4		7.6T	50 47.155	-0.0030	16	-51 5 25.90	-0.009	11	0.71	47.302	22	01.7	25.39	21	95.7	B9	GC	21336	C -50 9966
5	10.1	9.8W	50 53.442	0.0039	15	-55 26 23.66	0.021	15	0.24	53.397	15	38.5	23.90	18	38.5	A5	C9	6106	P -55 6780
6	8.6E	9.2Z	50 54.746	0.0007	12	-50 49 0.96	-0.011	12	0.71	54.713	45	03.5	0.45	45	03.5	A0	CZ	14151	P -50 8767
7	10.0	10.1W	51 1.893	-0.0019	15	-54 27 53.43	0.017	15	0.24	1.915	15	38.5	53.62	18	38.5	A0	C9	6107	P -54 6778
8	9.6E	9.8Z	51 3.662	0.0009	12	-50 57 2.94	-0.007	12	0.71	3.621	45	03.5	2.61	45	03.5	A0	CZ	14156	P -50 8772
9		7.3T	51 5.887	-0.0020	15	-53 20 12.51	0.008	11	0.65	5.980	21	04.1	12.91	19	98.6	B9	GC	21344	P -53 6766
10		7.4G	51 8.612	-0.0033	15	-50 11 29.00	-0.051	10	0.67	8.771	18	01.6	26.24	21	95.4	A2	GC	21346K	C -49 10122
11		7.9T	51 8.902	-0.0010	17	-50 11 16.18	-0.036	13	0.77	8.949	22	02.7	14.33	21	96.0		GC	21347K	C -49 10122
12	9.6	9.2W	51 10.878	-0.0006	07	-53 51 20.90	0.002	07	0.18	10.885	15	38.5	20.92	18	38.5	B	C9	6109	P -53 6768
13	8.8	8.7W	51 12.662	-0.0029	06	-52 39 31.03	0.016	06	0.18	12.695	15	38.5	31.21	18	38.5	F8	C9	6110	P -52 9067
14	9.5	9.7W	51 14.279	-0.0020	14	-59 4 42.26	0.014	14	0.15	14.288	14	45.6	42.32	14	45.6	B9	C0	4993	P -58 6449
15	9.9	8.4W	51 22.645	-0.0012	07	-56 51 0.74	-0.072	07	0.14	22.651	14	45.6	0.42	14	45.6	A	C0	4994	P -56 7019
16	9.3	8.9W	51 23.311	-0.0030	06	-52 49 46.98	-0.040	06	0.18	23.345	15	38.5	46.51	18	38.5	G5	C9	6111	P -52 9070
17	8.4	8.1W	51 24.139	-0.0209	07	-56 54 42.20	-0.108	07	0.14	24.231	14	45.6	41.72	14	45.6	F8	C0	4995	P -56 7021
18	9.8	8.6W	51 29.165	0.0016	07	-52 29 44.70	0.002	07	0.18	29.146	15	38.5	44.72	18	38.5	K2	C9	6112	P -52 9072
19	10.2	10.2W	51 32.338	-0.0015	15	-54 36 48.55	-0.011	15	0.24	32.355	15	38.5	48.43	18	38.5	A2	C9	6113	P -54 6787
20	9.0	8.6W	51 32.725	-0.0006	07	-58 54 2.75	-0.030	07	0.14	32.728	14	45.6	2.62	14	45.6	F2	C0	4996	P -58 6453
21	9.6	9.3W	51 36.081	-0.0065	15	-55 36 45.47	-0.059	15	0.24	36.156	15	38.5	44.80	18	38.5	G0	C9	6114	P -55 6798
22	9.5	8.5W	51 37.505	-0.0053	14	-59 26 12.23	-0.024	14	0.15	37.529	14	45.6	12.12	14	45.6	K0	C0	4997	P -59 6432
23	9.9	9.6W	51 39.650	-0.0048	15	-54 37 49.97	-0.004	15	0.24	39.705	15	38.5	49.93	18	38.5	B	C9	6115	P -54 6788
24	10.1	9.2W	51 40.018	0.0038	07	-56 29 3.94	0.016	07	0.14	40.002	14	45.6	4.01	14	45.6	G5	C0	4998	P -56 7029
25	9.8	10.0W	51 41.058	-0.0006	07	-52 39 30.05	-0.012	07	0.18	41.066	15	38.5	29.91	18	38.5	B9	C9	6116	P -52 9075
26	10.2	10.1W	51 47.937	-0.0042	15	-52 41 12.67	0.004	15	0.24	47.986	15	38.5	12.71	18	38.5	A5	C9	6117	P -52 9081
27	8.4	8.0W	51 48.478	-0.0001	06	-58 32 15.88	-0.014	06	0.14	48.478	14	45.6	15.82	14	45.6	G0	C0	4999	P -58 6464
28	10.2	8.8W	51 49.367	-0.0008	07	-56 47 36.08	-0.014	07	0.14	49.391	14	45.6	36.02	14	45.6	K2	C0	5001	P -56 7033
29	7.6	8.0W	51 49.934	-0.0033	07	-59 54 55.79	0.006	07	0.14	49.948	14	46.0	55.82	14	46.0	B9	C0	4776	P -59 6435
30	9.2E	8.2Z	51 53.111	-0.0018	12	-51 37 10.62	-0.002	12	0.71	53.194	45	03.5	10.52	45	03.5	K2	CZ	14169	P -51 8735
31	7.5E	8.0Z	52 0.037	0.0003	12	-50 58 47.89	-0.003	12	0.63	0.025	28	02.5	47.76	26	02.5	B8	CZ	14171	P -50 8788
32	9.1	9.2W	52 1.732	-0.0003	07	-53 12 37.27	-0.031	07	0.18	1.736	15	38.5	36.91	18	38.5	A2	C9	6118	P -52 9084
33	8.2	8.4W	52 6.752	0.0015	07	-53 28 28.39	-0.032	07	0.18	6.735	15	38.5	28.01	18	38.5	A2	C9	6119	P -53 6791
34	8.2E	9.0Z	52 10.316	0.0005	12	-50 23 54.16	0.003	12	0.71	10.291	45	03.5	54.30	45	03.5	B9	CZ	14176	P -50 8791
35	8.5	8.7W	52 11.220	0.0013	07	-54 48 25.08	0.013	07	0.18	11.205	15	38.5	25.23	18	38.5	B2	C9	6120	P -54 6802
36	8.7	8.9W	52 14.225	-0.0000	07	-52 48 12.58	-0.023	07	0.18	14.226	15	38.5	12.31	18	38.5	A0	C9	6121	P -52 9087
37	9.4	9.5W	52 15.832	0.0015	07	-54 21 2.91	0.010	07	0.18	15.815	15	38.5	3.02	18	38.5	B9	C9	6122	P -54 6806
38	9.4	9.3W	52 30.257	-0.0002	07	-59 22 47.62	-0.022	07	0.14	30.259	14	45.6	47.52	14	45.6	F0	C0	5003	P -59 6451
39	9.8	9.4W	52 30.581	-0.0082	13	-59 33 17.99	-0.040	13	0.15	30.617	14	45.6	27.82	14	45.6	G0	C0	5004	P -59 6450
40	8.9	7.9W	52 48.651	0.0006	07	-59 16 19.41	-0.044	07	0.14	48.648	14	45.6	19.22	14	45.6	G5	C0	5005	P -59 6454
41	9.9	9.6W	52 49.258	0.0015	07	-56 21 13.34	-0.008	07	0.14	49.252	14	45.6	13.31	14	45.6	B9	C0	5006	P -56 7061
42	8.5	7.5W	52 52.298	0.0029	06	-53 38 39.82	0.009	06	0.18	52.265	15	38.5	39.92	18	38.5	K0	C9	6123	P -53 6824
43	9.7E	9.0Z	52 52.749	-0.0014	12	-51 0 33.95	-0.104	12	0.71	52.815	45	03.5	29.11	45	03.5	G	CZ	14187	P -50 8800
44	8.5	8.7W	52 58.174	0.0024	07	-55 51 31.71	-0.062	07	0.18	58.146	15	38.5	31.00	18	38.5	B9	C9	6124	P -55 6823
45	8.8	8.7W	52 59.687	-0.0007	06	-52 23 1.40	-0.042	06	0.18	59.696	15	38.5	0.92	18	38.5	A5	C9	6125	P -52 9102
46	8.6	8.9W	53 4.102	-0.0021	13	-57 26 8.55	0.017	13	0.15	4.111	14	45.6	8.62	14	45.6	B5	C0	5007	P -57 7363
47	9.6	9.3W	53 13.636	-0.0009	14	-58 29 59.91	0.002	14	0.15	13.640	14	45.6	59.92	14	45.6	F8	C0	5008	P -58 6500
48	9.4	9.3W	53 13.632	0.0015	07	-54 12 33.01	0.010	07	0.18	13.615	15	38.5	33.12	18	38.5	A2	C9	6126	P -53 6836
49	9.2	9.5W	53 16.602	-0.0020	06	-52 15 34.00	-0.016	06	0.18	16.626	15	38.5	33.82	18	38.5	A0	C9	6127	P -52 9105
50	9.2	9.7W	53 17.525	-0.0009	06	-59 11 36.38	-0.013	06	0.14	17.528	14	45.6	36.32	14	45.6	B8	C0	5009	P -58 6502
51	10.0	8.9W	15 53 20.732	-0.0011	07	-53 37 11.50	0.002	07	0.18	20.745	15	38.5	11.52	18	38.5	K0	C9	6128	P -53 6842
52	8.6E	9.0Z	53 21.348	-0.0017	12	-50 22 56.04	-0.022	12	0.71	21.425	45	03.5	55.02	45	03.5	A0	CZ	14203	P -50 8811
53	8.6E	8.5Z	53 21.548	0.0006	12	-51 22 18.20	-0.023	12	0.66	21.525	31	01.5	17.08	31	01.5	A5	CZ	14197	P -51 8758
54	9.5	9.2W	53 25.579	0.0038	07	-54 23 2.70	-0.015	07	0.18	25.535	15	38.5	2.52	18	38.5	B5	C9	6129	P -54 6837
55	9.7	9.9W	53 30.732	0.0025	13	-56 53 49.07	-0.012	13	0.15	30.721	14	45.6	49.02	14	45.6	B8	C0	5011	P -56 7084
56	8.2	7.9W	53 31.369	0.0003	07	-54 11 16.99	0.002	07	0.18	31.365	15	38.5	17.02	18	38.5	B2	C9	6130	P -53 6845
57	9.7	9.5W	53 33.096	-0.0017	08	-51 58 40.37	0.013	08	0.19	33.116	15	38.5	40.52	18	38.5	F0	C9	6131	P -51 8761
58	8.7E	9.0Z	53 34.189	0.0001	12	-51 18 26.05	0.003	12	0.82	34.185	63	03.5	26.19	57	03.5	A0	CZ	14209	P -51 8765
59	9.9E	9.6Z	53 44.887	0.0003	12	-50 53 31.23	-0.003	12	0.71	44.874	45	03.5	31.10	45	03.5	B9	CZ	14213	P -50 8815
60	7.5E	7.9H	53 46.143	-0.0028	12	-50 7 32.17	-0.049	12	0.72	46.274	45	03.0	29.87	45	03.0	A2	CZ	14214	P -49 8789
61	10.0		53 47.273	0.0013	09	-59 47 54.44	0.019	09	0.15	47.267	14	45.6	54.52	14	45.6	A0	C0	5012	P -59 6471
62	9.8	8.8W	53 47.924	-0.0033	13	-58 32 36.80	0.004	13	0.15	47.938	14	45.6	38.82	14	45.6	K0	C0	5013	P -58 6512
63	7.7	8.1W	53 48.205	-0.0034	13	-58 9 5.88	0.008	13	0.15	48.220	14	45.6	5.92	14	45.6	B8	C0	5014	P -57 7377
64	9.1	9.1W	53 52.485	-0.0015	07	-55 55 43.35	-0.033	07	0.14	52.492	14	45.6	43.21	14	45.6	B8	C0	5015	P -55 6838
65	10.0	9.2W	53 52.840	0.0074	09	-59 42 41.54	-0.004	09	0.15	52.807	14	45.6	41.52	14	45.6	K0	C0	5016	P -59 6474
66	9.2	9.0W	53 57.753	-0.0011	07	-54 14 56.84	0.007	07	0.18	57.765	15	38.5	56.92	18	38.5	B0	C9	6133	P -54 6849
67	10.1	9.7W	53 58.581	-0.0057	07	-51 58 4.00	-0.007	07	0.18	58.646	15	38.5	3.92	18	38.5	G0	C9	6134	P -51 8773
68	8.1	8.3W	54 0.160	0.0004	07	-53 36 48.97	-0.022	07	0.18	0.155	15	38.5	48.72	18	38.5	A0	C9	6135	P -53 6860
69	8.8	7.6W	54 0.236	-0.0006	06	-58 52 51.35	-0.006	06	0.14	0.238	14	45.6	51.32	14	45.6	K0	C0	5017	P -58 6515
70	9.5E	9.5Z	54 0.354	0.0003	12	-51 34 47.41	-0.011	12	0.82	0.339	63	03.5	46.90	57	03.5	B9	CZ	14220	P -51 8774
71	7.8	7.9W	54 3.219	-0.0004	07	-57 0 13.55	-0.029	07	0.14	3.221	14	45.6	13.42	14	45.6	A0	C0	5018	P -56 7101
72		7.3T	54 6.428	-0.0014	16	-56 15 0.74	-0.005	12	0.70	6.498	21	04.2	0.49	19	00.0	K0	GC	21407	P -56 7105
73	9.8	10.0W	54 6.681	0.0006	07	-59 16 6.70	-0.019	07	0.14	6.678	14	45.6	6.62	14	45.6	B9	C0	5020	P -59 6479
74	9.4	8.4W	54 14.299	-0.0006	07	-56 5 4.86	-0.034	07	0.14	14.302	14	45.6	4.71	14	45.6	G5	C0	5021	P -55 6845
75	8.8	9.1W	54 17.790	-0.0019	07	-59 21 46.60	-0.019	07	0.14	17.799	14	45.6	46.52	14	45.6	B8	C0	5022	P -59 6481
76	9.9	9.8W	54 19.137	-0.0033	15	-53 25 17.44	-0.002	15	0.24	19.176	15	38.5	17.41	18	38.5	A3	C9	6137	P -53 6869
77	9.5	9.5W	54 19.605	0.0024	15	-55 12 28.28	0.019	15	0.24	19.577	15	38.5	28.50	18	38.5	A0	C9	6138	P -54 6855
78	9.1	8.7W	54 21.276	0.0001	07	-54 11 54.54	0.007	07	0.18	21.275	15	38.5	54.62	18	38.5	B0	C9	6139	P -53 6868
79	8.1E	8.0Z	54 24.102	-0.0004	12	-50 31 54.62	-0.024	12	0.64	24.122	31	02.1	53.46	28	02.1	B9	CZ	14225	P -50 8824
80	9.2	9.2W	54 29.421	-0.0047	06	-52 51 23.72	-0.053	06	0.18	29.475	15	38.5	23.11	18	38.5	A2	C9	6140	P -52 9116
81	9.9	9.1W	54 31.948	0.0018	07	-58 18 11.68	-0.014	07	0.14	31.940	14	45.6	11.62	14	45.6	G5	C0	5023	P -58 6528
82	9.9E	9.8Z	54 36.475	-0.0005	12	-50 53 47.98	-0.008	12	0.71	36.499	45	03.5	47.61	45	03.5	A2	CZ	14228	P -50 8828
83	9.9	8.1W	54 39.603	-0.0017	07	-57 37 21.34	-0.004	07	0.14	39.610	14	45.6	21.32	14	45.6	MA	C0	5024	P -57 7398
84	9.8	9.1W	54 47.922	-0.0020	06	-52 36 29.55	-0.073	06	0.18	47.946	15	38.5	28.71	18	38.5	G5	C9	6141	P -52 9124
85	8.9	8.4W	54 48.244	0.0008	07	-53 54 57.48	0.012	07	0.18	48.235	15	38.5	57.62	18	38.5		C9	6142	P -53 6882
86	8.6E	8.5Z	54 49.426	-0.0017	12	-51 37 42.69	-0.007	12	0.82	49.503	63	03.5	42.36	57	03.5	K2	CZ	14231	P -51 8787
87	10.0		54 51.913	0.0003	13	-56 12 28.80	-0.021	13	0.15	51.912	14	45.6	28.71	14	45.6	B9	C0	5025	P -55 6861
88	9.0	8.2W	54 54.999	0.0001	07	-59 8 43.72	-0.023	07	0.14	54.998	14	45.6	43.62	14	45.6	K0	C0	5026	P -58 6531
89	9.2	9.3W	54 58.158	0.0020	07	-54 30 3.27	-0.013	07	0.18	58.135	15	38.5	3.13	18	38.5	A0	C9	6143	P -54 6875
90	9.4	9.5W	55 1.136	0.0052	15	-55 49 15.15	-0.022	15	0.24	1.076	15	38.5	14.90	18	38.5	A0	C9	6144	P -55 6867
91	9.4	9.4W	55 2.333	-0.0016	06	-57 45 16.07	-0.012	06	0.14	2.340	14	45.6	16.02	14	45.6	A2	C0	5027	P -57 7406
92	9.0	9.2W	55 3.927	0.0010	07	-53 55 15.86	0.014	07	0.18	3.915	15	38.5	16.02	18	38.5	B8	C9	6145	P -53 6868
93	10.1	8.9W	55 6.915	-0.0009	06	-52 57 6.37	-0.031	06	0.18	6.926	15	38.5	6.01	18	38.5	K0	C9	6146	P -52 9128
94	9.7	9.1W	55 7.566	0.0027	07	-54 16 12.48	0.020	07	0.18	7.535	15	38.5	12.72	18	38.5	B2	C9	6147	P -54 6878
95	9.4	9.5W	55 15.112	-0.0019	07	-57 36 45.72	-0.000	07	0.14	15.120	14	45.6	45.72	14	45.6	A0	C0	5028	P -57 7416
96		7.3T	55 15.759	0.0014	14	-58 35 3.24	-0.017	10	0.58	15.691	18	06.3	2.43	17	01.4	B0	GC	21437	P -58 6543
97	9.9		55 15.922	-0.0014	12	-58 35 42.24	0.018	12	0.15	15.928	14	45.6	42.32	14	45.6		C0	5030	P -58 6544
98	9.3E	9.5Z	55 16.776	-0.0002	12	-51 8 13.86	-0.007	12	0.71	16.786	45	03.5	13.53	45	03.5	A0	CZ	14237	P -50 8838
99	9.4E	9.9Z	55 19.349	-0.0014	12	-51 25 48.82	-0.020	12	0.82	19.414	63	03.5	47.89	57	03.5	F8	CZ	14241	P -51 8798
00	9.3E	9.4Z	55 20.729	0.0006	12	-51 18 46.95	-0.016	12	0.82	20.701	63	03.5	46.20	57	03.5	A0	CZ	14242	P -51 8799

243200

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.9	8.4W	15 55 21.926	-0.0008	07	-53 30 34.71	-0.017	07	0.18	21.935	15	38.5	34.52	18	38.5	K5		C9	6148	P -53 6896
2	9.3	9.3W	55 25.175	-0.0001	07	-52 9 55.69	-0.024	07	0.18	25.176	15	38.5	55.41	18	38.5	A0		C9	6149	P -51 8801
3	9.9	10.1W	55 26.277	0.0012	12	-56 5 41.46	-0.033	12	0.15	26.272	14	45.6	41.31	14	45.6	B9		C0	5031	P -55 6877
4	9.7E	9.7Z	55 31.872	-0.0003	12	-50 10 39.34	-0.015	12	0.71	31.885	45	03.5	38.64	45	03.5	B9		CZ	14246	P -49 8824
5		7.9T	55 32.637	0.0002	20	-54 25 46.66	-0.043	22	0.91	32.630	22	07.8	44.87	22	08.5	K5		GC	21441	P -54 6889
6	10.3	9.4W	55 35.443	-0.0038	06	-52 17 51.97	-0.022	06	0.18	35.486	15	38.5	51.72	18	38.5	G5		C9	6152	P -52 9134
7	8.4	8.6W	55 36.169	0.0018	14	-56 37 41.65	-0.007	14	0.15	36.161	14	45.6	41.62	14	45.6	A0		C0	5032	P -56 7141
8	9.7E	9.6H	55 36.518	0.0006	12	-50 22 31.78	-0.013	12	0.71	36.488	45	03.5	31.17	45	03.5	A0		CZ	14247	P -50 8846
9	10.0	9.6W	55 41.047	-0.0025	07	-52 10 33.24	0.024	07	0.18	41.076	15	38.5	33.52	18	38.5	G0		C9	6153	P -51 8806
10	9.5	9.4W	55 44.899	-0.0007	07	-56 19 54.52	-0.026	07	0.14	44.902	14	45.6	54.41	14	45.6	A3		C0	5033	P -56 7147
11	10.1E	9.5Z	55 47.188	0.0023	12	-51 38 56.25	-0.041	12	0.82	47.080	63	03.5	54.30	57	03.5			CZ	14249	P -51 8809
12	9.5	9.5W	55 47.945	-0.0005	09	-59 34 1.37	0.011	09	0.15	47.947	14	45.6	1.42	14	45.6	B9		C0	5034	P -59 6505
13	9.9E	9.3Z	55 48.205	-0.0017	12	-51 45 25.98	-0.022	12	0.82	48.283	63	03.5	24.94	57	03.5	K0		CZ	14250	P -51 8811
14	10.1E	9.3Z	55 50.298	-0.0002	12	-51 41 37.48	-0.014	12	0.82	50.306	63	03.5	36.81	57	03.5			CZ	14251	P -51 8812
15	7.6	7.9W	55 50.420	-0.0024	07	-57 54 22.51	0.001	07	0.14	50.430	14	45.6	22.52	14	45.6	B9		C0	5035	P -57 7428
16		7.8T	55 53.292	-0.0036	17	-56 40 9.94	-0.030	12	0.72	53.465	22	05.7	8.49	21	01.5	A0		GC	21449	P -56 7150
17	8.3E	9.0Z	55 57.515	0.0015	12	-51 34 42.43	-0.004	12	0.82	57.444	63	03.5	42.25	57	03.5	A0		CZ	14255	P -51 8816
18	9.8	10.0W	55 59.144	0.0025	07	-52 50 30.39	-0.006	07	0.18	59.116	15	38.5	30.31	18	38.5	A0		C9	6154	P -52 9137
19		6.4T	56 1.218	-0.0022	10	-53 52 45.96	-0.018	07	0.51	1.332	21	99.3	44.89	18	91.0	B5		GC	21450	P*-53 6911
20	9.8E	9.0Z	56 4.232	-0.0017	12	-50 57 34.79	-0.022	12	0.71	4.311	45	03.5	33.77	45	03.5	K2		CZ	14257	P -50 8856
21	10.1	9.8W	56 5.036	-0.0008	15	-52 49 53.52	-0.009	15	0.24	5.045	15	38.5	53.41	18	38.5	F5	O	C9	6156	P -52 9139
22	9.4	9.6W	56 5.210	0.0013	07	-53 54 12.88	0.012	07	0.18	5.195	15	38.5	13.02	18	38.5	A		C9	6157	P -53 6913
23	8.8	8.1W	56 10.199	-0.0005	07	-53 42 35.32	-0.051	07	0.18	10.205	15	38.5	34.72	18	38.5	G5		C9	6158	P -53 6916
24	10.0	10.1W	56 13.215	-0.0000	07	-52 58 34.36	0.005	07	0.18	13.215	15	38.5	34.41	18	38.5	A0		C9	6159	P -52 9142
25	8.9	9.1W	56 13.427	-0.0031	07	-57 45 44.32	-0.001	07	0.14	13.440	14	45.6	44.32	14	45.6	A0		C0	5037	P -57 7437
26	9.9	9.3W	56 18.729	-0.0050	15	-55 25 14.87	-0.102	15	0.24	18.787	15	38.5	13.70	18	38.5	K0		C9	6160	P -55 6898
27	9.2	9.4W	56 21.337	-0.0007	07	-52 12 12.80	-0.016	07	0.18	21.346	15	38.5	12.62	18	38.5	B8		C9	6161	P -51 8824
28	10.0E	9.8*	56 24.654	-0.0009	12	-50 5 56.39	-0.013	12	0.65	24.696	31	01.8	55.76	28	01.8	A0		CZ	14261	P -49 8849
29	9.1	9.4W	56 35.431	0.0005	07	-59 12 56.39	-0.016	07	0.14	35.428	14	45.6	56.32	14	45.6	B8		C0	5038	P -58 6563
30	10.0	9.7W	56 37.501	-0.0030	07	-52 58 55.35	-0.029	07	0.18	37.536	15	38.5	55.01	18	38.5	F2		C9	6162	P -52 9150
31	9.1	9.2W	56 37.882	0.0015	07	-53 11 51.88	0.003	07	0.18	37.886	15	38.5	51.91	18	38.5	B9		C9	6163	P -52 9149
32	8.6E	9.0Z	56 39.065	-0.0036	12	-51 49 25.57	-0.026	12	0.66	39.239	31	01.5	24.28	31	01.5	F2		CZ	14265	P -51 8837
33	9.1E	9.1Z	56 39.268	0.0001	12	-50 43 24.62	-0.003	12	0.71	39.264	45	03.5	24.48	45	03.5	B9		CZ	14266	P -50 8866
34	7.9E	8.5Z	56 40.635	-0.0030	12	-50 58 41.44	-0.053	12	0.64	40.780	31	02.2	38.91	28	02.2	F0		CZ	14268	P -50 8867
35	9.9	9.4W	56 42.990	0.0006	13	-59 36 4.93	-0.003	13	0.15	42.987	14	45.6	4.92	14	45.6	F0		C0	5039	P -59 6526
36	10.1	9.0W	56 43.307	-0.0007	07	-52 7 25.49	0.003	07	0.18	43.316	15	38.5	25.52	18	38.5	K2		C9	6164	P -51 8839
37	10.1	10.0W	56 44.469	-0.0014	07	-52 38 9.58	0.012	07	0.18	44.486	15	38.5	9.71	18	38.5	A2		C9	6165	P -52 9154
38	9.3	9.6W	56 45.950	-0.0023	13	-58 16 19.64	-0.027	13	0.15	45.960	14	45.6	19.52	14	45.6	B8		C0	5040	P -58 6568
39	9.8	8.6W	56 46.802	0.0002	07	-57 28 14.31	-0.020	07	0.14	46.801	14	45.6	14.22	14	45.6	K0		C0	5041	P -57 7453
40	9.7	9.2W	56 54.360	0.0004	07	-53 1 9.66	0.005	07	0.18	54.356	15	38.5	9.71	18	38.5			C9	6166	P*-52 9155
41	9.5	9.4W	56 55.273	-0.0012	07	-59 14 28.64	-0.004	07	0.14	55.278	14	45.6	28.62	14	45.6	A0		C0	5042	P -59 6531
42		9.8T	56 56.737	0.0053	14	-50 23 21.46	0.003	12	0.70	56.487	24	03.0	21.64	26	99.3	G5		GC	21482	C -5010059
43	10.1	10.0W	56 56.901	0.0024	07	-57 14 27.19	0.007	07	0.14	56.891	14	45.6	27.22	14	45.6	B8		C0	5043	P -57 7457
44	9.5	8.3W	57 5.907	0.0017	06	-55 29 28.73	-0.012	06	0.18	5.887	15	38.5	28.60	18	38.5	K0		C9	6167	P -55 6916
45	9.4E	9.9H	57 6.553	0.0003	12	-50 15 56.85	-0.006	12	0.71	6.537	45	03.5	56.57	45	03.5	A0		CZ	14274	P -50 8873
46		6.4T	57 11.903	-0.0045	09	-54 26 13.67	-0.040	08	0.52	12.139	21	98.2	11.40	18	93.3	A3		GC	21488	P*-54 6922
47	9.6	9.7W	57 12.311	0.0005	07	-52 36 33.26	0.031	07	0.18	12.306	15	38.5	33.61	18	38.5	B8		C9	6169	P -52 9162
48	8.4	7.9W	57 12.557	-0.0258	06	-56 33 4.66	-0.258	06	0.14	12.671	14	45.6	3.52	14	45.6	G0		C0	5044	P -56 7172
49	9.8	9.7W	57 20.283	-0.0028	07	-52 38 19.00	0.001	07	0.18	20.316	15	38.5	19.01	18	38.5	F5		C9	6170	P -52 9164
50	9.4	9.5W	57 36.472	0.0003	14	-56 40 28.35	-0.007	14	0.15	36.471	14	45.6	28.32	14	45.6	B9		C0	5045	P -56 7176
51	10.2	9.2W	15 57 36.544	-0.0018	07	-54 44 36.77	-0.021	07	0.18	36.565	15	38.5	36.53	18	38.5	K0		C9	6171	P -54 6929
52	8.8	8.9W	57 46.685	0.0043	07	-55 52 13.13	-0.046	07	0.18	46.636	15	38.5	12.60	18	38.5	B5		C9	6172	P -55 6932
53	8.6	9.7W	57 55.305	0.0018	14	-59 59 55.84	0.019	14	0.15	55.297	14	45.6	55.92	14	45.6	B9		C0	4804	P -59 6545
54	9.5E	8.5Z	57 56.071	-0.0012	12	-50 48 51.38	-0.006	12	0.66	56.126	36	03.8	51.15	36	03.8	K5		CZ	14286	P -50 8881
55	9.0	9.2W	57 56.618	-0.0006	06	-53 27 29.49	-0.015	06	0.18	56.626	15	38.5	29.31	18	38.5	B9		C9	6173	P -53 6953
56	9.8	9.6W	57 57.609	0.0021	07	-54 42 28.58	0.021	07	0.18	57.585	15	38.5	28.83	18	38.5	B2		C9	6174	P -54 6938
57	9.4	9.6W	58 4.895	-0.0012	07	-57 25 37.11	0.001	07	0.14	4.901	14	45.6	37.12	14	45.6	B8		C0	5047	P -57 7476
58	9.6	9.8W	58 8.707	0.0009	06	-52 23 41.01	-0.008	06	0.18	8.696	15	38.5	40.92	18	38.5	A0		C9	6175	P -52 9175
59	9.4E	9.5Z	58 13.742	0.0019	12	-51 9 57.25	-0.009	12	0.82	13.654	63	03.5	56.83	57	03.5	B9		CZ	14289	P -50 8884
60	10.0	9.9W	58 15.965	0.0017	07	-53 34 33.40	-0.007	07	0.18	15.945	15	38.5	33.32	18	38.5	A0		C9	6176	P -53 6967
61	9.9	8.9W	58 16.306	0.0018	06	-53 13 32.03	-0.010	06	0.18	16.286	15	38.5	31.91	18	38.5	K0		C9	6177	P -53 6970
62		6.7T	58 19.143	-0.0009	16	-50 58 52.20	0.005	11	0.71	19.187	22	02.6	52.45	21	96.7	B8		GC	21505	C -5010074
63		9.7T	58 20.309	0.0013	14	-50 30 39.65	-0.018	11	0.65	20.250	24	03.0	38.69	22	97.8	M0		GC	21506	C -5010075
64	10.3	10.0W	58 22.618	0.0011	13	-53 0 9.18	0.012	13	0.22	22.606	15	38.5	9.31	18	38.5	G0	O	C9	6178	P -52 9176
65		6.6T	58 26.979	-0.0183	15	-56 42 50.48	-0.119	11	0.66	27.899	21	04.4	44.50	19	99.7	F8		GC	21509	P -56 7198
66	10.1	10.1W	58 28.668	-0.0006	15	-53 1 39.51	0.027	15	0.24	28.676	15	38.5	39.81	18	38.5	B8	O	C9	6179	P -52 9179
67	10.1	10.0W	58 33.155	0.0010	07	-57 1 56.13	0.020	07	0.14	33.151	14	45.6	56.22	14	45.6	A0		C0	5049	P -56 7201
68	9.7	9.3W	58 33.211	-0.0014	14	-59 53 22.38	-0.014	14	0.15	33.217	14	45.6	22.32	14	45.6	F8		C0	5050	P -59 6554
69	10.0		58 41.973	-0.0039	09	-57 42 12.65	0.016	09	0.15	41.990	14	45.6	12.72	14	45.6	B9		C0	5052	P -57 7487
70	9.5	9.6W	58 45.746	-0.0032	07	-57 58 52.86	-0.008	07	0.14	45.760	14	45.6	52.82	14	45.6	B8		C0	5053	P -57 7491
71	8.7	8.9W	58 53.729	0.0029	07	-53 17 25.04	-0.011	07	0.18	53.696	15	38.5	24.91	18	38.5	B8		C9	6180	P -53 6978
72	7.9	8.0W	58 56.646	-0.0014	07	-56 17 12.15	-0.031	07	0.14	56.652	14	45.6	12.01	14	45.6	A0		C0	5054	P -56 7207
73	8.0E	7.9Z	58 59.006	0.0008	12	-50 7 6.07	-0.020	12	0.71	58.967	45	03.5	5.14	45	03.5	A0		CZ	14300	P -49 8886
74	10.0	10.1W	59 2.805	-0.0009	10	-58 30 9.13	-0.003	10	0.15	2.808	14	45.6	9.12	14	45.6	B9		C0	5055	P -58 6594
75	8.9	9.2W	59 4.137	-0.0027	07	-59 0 36.34	-0.027	07	0.14	4.148	14	45.6	36.22	14	45.6	A0		C0	5056	P -58 6593
76	9.3E	9.0Z	59 19.002	0.0003	12	-51 11 25.09	-0.005	12	0.82	18.988	63	03.5	24.85	57	03.5	B8		CZ	14304	P -50 8897
77	9.3E	9.7Z	59 21.206	0.0007	12	-50 5 20.87	-0.022	12	0.71	21.172	45	03.5	19.84	45	03.5	F0		CZ	14306	P -49 8891
78		8.5Q	59 25.747	-0.0171	20	-57 38 13.89	-0.066	18	0.89	26.526	24	05.1	10.90	24	04.3			GC	21533K	P -57 7500
79		4.9T	59 27.038	-0.0148	10	-57 38 11.19	-0.085	07	0.43	27.803	15	03.5	6.81	14	98.2	A2		GC	21535K	P*-57 7500
80	9.9	9.7W	59 27.350	0.0004	07	-54 43 50.64	-0.028	07	0.18	27.345	15	38.5	50.33	18	38.5	A0		C9	6182	P -54 6966
81	9.7	9.7W	59 45.655	-0.0018	06	-52 51 57.57	-0.039	06	0.18	45.676	15	38.5	57.11	18	38.5	A3		C9	6183	P -52 9200
82	8.8	8.5W	59 46.888	-0.0006	07	-57 58 42.44	-0.049	07	0.14	46.891	14	45.6	42.22	14	45.6	F8		C0	5061	P -57 7508
83		6.6T	59 55.208	-0.0009	11	-59 2 20.29	-0.004	09	0.48	55.249	17	07.5	20.12	17	03.7	K5		GC	21545	P -58 6604
84		7.9T	16 0 7.881	0.0022	18	-50 42 10.19	-0.008	13	0.82	7.776	19	01.5	9.76	18	98.3	A0		GC	21550	C -5010095
85	8.7E	8.5Z	0 8.740	-0.0109	12	-50 48 20.54	0.005	12	0.71	9.242	45	04.0	20.77	45	04.0	G0		CZ	14314	P -50 8908
86	9.9	9.4W	0 11.417	-0.0033	07	-54 7 5.03	-0.044	07	0.18	11.455	15	38.5	4.52	18	38.5	F5		C9	6184	P -53 7005
87	9.8	9.9W	0 11.578	-0.0024	07	-59 3 54.75	-0.006	07	0.14	11.588	14	45.6	54.72	14	45.6	A2		C0	5064	P -58 6611
88	9.0	9.1W	0 14.775	0.0007	07	-56 18 14.02	-0.002	07	0.14	14.772	14	45.6	14.01	14	45.6	B8		C0	5065	P -56 7228
89	8.7E	9.0Z	0 22.362	-0.0008	12	-51 24 27.35	-0.012	12	0.82	22.400	63	03.5	26.79	57	03.5	A0		CZ	14315	P -51 8888
90	9.6	9.3W	0 24.276	-0.0006	07	-59 1 37.57	0.011	07	0.14	24.278	14	45.6	37.62	14	45.6	F8		C0	5066	P -58 6613
91	9.8	9.8W	0 26.701	-0.0012	07	-53 35 43.94	0.015	07	0.18	26.715	15	38.5	44.12	18	38.5	A2	O	C9	6185	P -53 7013
92	9.3	9.3W	0 27.634	-0.0036	06	-52 49 21.87	-0.048	06	0.18	27.676	15	38.5	21.31	18	38.5	A0		C9	6186	P -52 9210
93	8.3	8.4W	0 28.230	-0.0000	06	-58 17 39.35	-0.006	06	0.14	28.230	14	45.6	39.32	14	45.6	A2		C0	5067	P -58 6616
94	9.6	8.4W	0 28.496	0.0001	07	-53 1 25.95	-0.029	07	0.18	28.496	15	38.5	25.61	18	38.5	K2		C9	6187	P -52 9209
95	9.9	8.8W	0 28.611	0.0007	13	-59 23 4.74	-0.028	13	0.15	28.609	14	45.6	4.62	14	45.6	K		C0	5068	P -59 6586
96		6.7T	0 28.661	0.0033	14	-53 34 24.37	-0.014	10	0.63	28.506	21	03.8	23.64	19	98.5	A0		GC	21561	P -53 7015
97	9.0	9.0W	0 30.176	0.0053	07	-53 5 6.81	-0.025	07	0.18	30.116	15	38.5	6.51	18	38.5	A0		C9	6189	P -52 9211
98	8.6E	9.0Z	0 42.992	-0.0007	12	-51 48 19.02	0.003	12	0.66	43.025	31	01.5	19.15	31	01.5	B5		CZ	14318	P -51 8896
99	10.2	9.4W	0 46.523	-0.0012	07	-55 17 18.80	-0.027	07	0.18	46.537	15	38.5	18.50	18	38.5	F8		C9	6190	P -55 7009
00	9.9	10.0W	0 48.792	-0.0021	07	-57 19 14.11	0.002	07	0.14	48.801	14	45.6	14.12	14	45.6	B9		C0	5069	P -57 7529

243300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 16H DM NUMBER
1	9.5E	9.0Z	16 0 48.974	0.0001	12	-51 30 25.95	-0.011	12	0.82	48.968	63	03.5	25.43	57	03.5	B5	CZ	14321	P -51 8898
2	9.4	9.0M	0 49.084	-0.0013	07	-57 34 33.34	-0.004	07	0.14	49.090	14	45.6	33.32	14	45.6	A0	CD	5070	P -57 7527
3	9.0E	9.0M	0 52.225	0.0005	12	-50 21 14.79	-0.007	12	0.64	52.199	31	02.5	14.45	28	02.5	B8	CZ	14324	P -50 8923
4	8.4	8.4W	1 2.051	0.0003	06	-55 0 14.62	0.007	06	0.19	2.047	15	38.5	14.70	18	38.5	B5	C9	6191	P -54 6993
5		7.2T	1 14.463	0.0010	13	-56 12 14.64	-0.005	10	0.63	14.410	21	02.8	14.38	19	97.3	M0	GC	21581	P -55 7018
6	10.0	9.9W	1 15.596	0.0018	14	-53 6 34.32	-0.018	14	0.23	15.576	15	38.5	34.11	18	38.5	A0	C9	6192	P -52 9219
7	9.0	8.8W	1 16.305	0.0036	06	-59 4 40.42	-0.022	06	0.14	16.288	14	45.6	40.32	14	45.6	G5	CD	5072	P -58 6627
8	8.3	7.5W	1 18.947	0.0018	07	-55 40 31.87	-0.024	07	0.18	18.926	15	38.5	31.60	18	38.5	G5	C9	6193	P -55 7025
9	9.2	8.4W	1 25.112	0.0041	07	-53 58 53.87	-0.012	07	0.18	25.065	15	38.5	53.72	18	38.5	G5	C9	6194	P -53 7043
10	9.6	7.9W	1 25.584	-0.0027	07	-54 2 36.37	-0.047	07	0.18	25.615	15	38.5	35.82	18	38.5	MA	C9	6195	P -53 7044
11	8.1	8.4W	1 27.126	0.0001	07	-54 14 34.47	-0.012	07	0.18	27.125	15	38.5	34.32	18	38.5	B9	C9	6196	P -54 7003
12	9.5	9.4W	1 28.754	0.0031	13	-56 34 45.16	-0.009	13	0.15	28.741	14	45.6	45.12	14	45.6	B9	CD	5073	P -56 7255
13	9.3E	8.5Z	1 32.119	-0.0026	12	-50 42 33.12	-0.019	12	0.71	32.239	45	04.0	32.24	45	04.0	F2	CZ	14357	P -50 8934
14	9.7	9.7M	1 32.254	-0.0001	15	-54 54 20.22	-0.008	15	0.24	32.255	15	38.5	20.13	18	38.5	B9	C9	6197	P -54 7006
15	8.8	9.1W	1 38.126	-0.0008	07	-53 14 31.88	-0.023	07	0.18	38.136	15	38.5	31.61	18	38.5	B9	C9	6198	P -53 7051
16	10.0	10.0W	1 44.929	-0.0008	14	-56 14 27.99	0.005	14	0.15	44.932	14	45.6	28.01	14	45.6	A0	CD	5074	P -56 7263
17	9.0E	8.5Z	1 49.975	-0.0020	12	-51 6 44.57	-0.013	12	0.63	50.071	28	02.5	43.96	26	02.5	A3	CZ	14343	P -50 8936
18	8.6	8.8W	1 53.800	0.0012	07	-55 43 6.66	-0.040	07	0.18	53.786	15	38.5	6.20	18	38.5	B9	C9	6200	P -55 7042
19	9.3	9.4W	1 57.671	-0.0004	07	-54 46 44.82	-0.017	07	0.18	57.675	15	38.5	44.63	18	38.5	B8	C9	6201	P -54 7013
20	9.6	9.7W	1 59.286	-0.0032	07	-57 30 8.07	-0.012	07	0.14	59.300	14	45.6	8.02	14	45.6	B8	CD	5075	P -57 7543
21	10.1	9.7W	1 59.719	-0.0040	06	-52 42 12.80	-0.042	06	0.18	59.765	15	38.5	12.31	18	38.5	F0	C9	6202	P -52 9229
22	9.4	7.8M	2 13.998	-0.0024	07	-55 38 32.86	-0.084	07	0.18	14.026	15	38.5	31.90	18	38.5	K5	C9	6203	P -55 7051
23	8.6E	8.1Z	2 35.260	-0.0018	12	-50 14 21.72	-0.006	12	0.71	35.361	45	04.0	21.44	45	04.0	A0	CZ	14352	P -50 8947
24	9.9	10.0W	2 36.339	0.0046	20	-55 42 26.34	0.022	20	0.28	36.286	15	38.5	26.60	18	38.5	B9	C9	6204	P -55 7059
25	9.0	9.3W	2 37.121	-0.0000	14	-56 35 53.23	-0.026	14	0.15	37.121	14	45.6	53.12	14	45.6	B8	CD	5076	P -56 7278
26	10.1E	9.5Z	2 38.528	-0.0049	12	-50 11 12.74	-0.020	12	0.71	38.751	45	04.0	11.82	45	04.0	G0	CZ	14353	P -49 8932
27	9.8	9.7W	2 41.435	0.0033	07	-56 54 6.16	0.013	07	0.14	41.421	14	45.6	6.22	14	45.6	B9	CD	5077	P -56 7279
28	9.1	9.3W	2 48.777	-0.0007	07	-53 3 7.22	-0.044	07	0.18	48.785	15	38.5	6.71	18	38.5	B9	C9	6205	P -52 9240
29	10.9	9.8W	2 50.796	-0.0002	13	-59 57 30.53	-0.001	13	0.15	50.797	14	45.6	30.52	14	45.6	G8	CD	5078	P -59 6604
30	9.2	9.3W	2 50.942	0.0009	07	-59 23 2.06	-0.009	07	0.14	50.939	14	45.6	2.02	14	45.6	A2	CD	5079	P -59 6605
31	9.8	8.9W	2 59.049	0.0017	09	-55 56 55.08	-0.017	09	0.15	59.042	14	45.6	55.01	14	45.6	K0	CD	5081	P*-55 7068
32	9.2	8.6W	2 59.086	-0.0025	13	-59 59 21.73	-0.025	13	0.15	59.107	14	45.6	21.62	14	45.6	A3	CD	4845	P*-59 6607
33		9.5T	3 5.521	0.0038	13	-50 38 54.19	-0.022	12	0.67	5.342	24	02.4	53.09	24	00.9	K5	GC	21619	C -5001037
34	9.9	9.8W	3 6.347	0.0010	20	-56 8 19.17	0.031	20	0.17	6.352	14	45.6	19.31	14	45.6	A0	CD	5082	P -55 7073
35	9.5	9.4W	3 6.842	-0.0011	13	-59 57 23.43	-0.002	13	0.15	6.847	14	45.6	23.42	14	45.6	A5	CD	5083	P -59 6606
36	9.9	9.9W	3 7.356	-0.0009	15	-55 38 2.32	-0.020	15	0.24	7.366	15	38.5	2.10	18	38.5	A0	C9	6207	P -55 7076
37	8.8	8.9W	3 7.441	-0.0004	08	-53 41 37.50	-0.015	08	0.19	7.445	15	38.5	37.32	18	38.5	B8	C9	6208	P -53 7081
38	10.1	9.5W	3 14.971	-0.0082	07	-52 53 24.62	-0.115	07	0.18	15.065	15	38.5	23.31	18	38.5	G3	C9	6209	P -52 9247
39		6.3T	3 22.935	0.0002	12	-56 3 27.33	-0.012	08	0.55	22.923	21	00.9	26.64	18	92.5	F0	GC	21627	P -55 7079
40	9.5	9.8W	3 29.167	-0.0003	11	-59 14 15.60	0.006	11	0.15	29.168	14	45.6	15.62	14	45.6	B9	CD	5084	P -59 6615
41	11.0E	10.0W	3 31.701	0.0002	12	-50 49 26.52	-0.017	12	0.62	31.692	28	02.7	25.72	26	02.7		CZ	14365	P -50 8960
42	9.3	9.0W	3 38.808	-0.0015	06	-53 28 11.79	-0.041	06	0.18	38.825	15	38.5	11.31	18	38.5	F2	C9	6211	P -53 7106
43	8.4	8.2W	3 39.169	0.0038	07	-54 31 10.53	-0.062	07	0.18	39.125	15	38.5	9.83	18	38.5	F8	C9	6212	P -54 7045
44	9.8	9.9W	3 46.361	-0.0043	07	-58 15 30.41	0.002	07	0.14	46.380	14	45.6	30.42	14	45.6	A0	CD	5085	P -58 6641
45		6.8T	3 53.996	-0.0015	14	-58 50 14.71	-0.024	11	0.60	54.066	18	06.6	13.60	18	03.1	A2	GC	21641	P*-58 6642
46	8.5	8.7W	3 59.762	-0.0020	06	-53 33 37.91	-0.007	06	0.18	59.785	15	38.5	37.82	18	38.5	A0	C9	6213	P -53 7118
47	9.2	9.2W	4 2.010	0.0022	15	-54 59 50.78	-0.005	15	0.24	1.985	15	38.5	50.73	18	38.5	B2	C9	6214	P -54 7060
48	8.8	9.1W	4 2.099	0.0002	10	-58 36 57.07	0.012	10	0.15	2.098	14	45.6	57.12	14	45.6	B8	CD	5087	P -58 6643
49	9.4	9.2W	4 3.796	-0.0060	07	-54 8 7.63	-0.036	07	0.18	3.865	15	38.5	7.22	18	38.5	F2	C9	6215	P -53 7121
50	9.7	8.6W	4 6.149	0.0011	07	-55 51 22.66	-0.066	07	0.18	6.136	15	38.5	21.90	18	38.5	K0	C9	6216	P -55 7097
51	9.9	9.9W	16 4 7.642	-0.0019	14	-57 22 30.67	0.012	14	0.15	7.651	14	45.6	30.72	14	45.6	B9	CD	5088	P -57 7583
52	9.2	9.4W	4 8.074	0.0042	15	-54 40 22.78	0.021	15	0.24	8.095	15	38.5	23.03	18	38.5	B9	C9	6217	P -54 7062
53	9.0E	8.5Z	4 17.062	0.0008	12	-51 22 33.98	-0.014	12	0.66	17.021	31	01.5	33.29	31	01.5	A0	CZ	14377	P -51 8959
54	9.7	9.0W	4 17.694	-0.0150	07	-58 17 43.23	-0.116	07	0.14	17.760	14	45.6	42.72	14	45.6	G5	CD	5089	P -58 6646
55		6.8T	4 19.063	0.0001	13	-52 56 46.62	-0.004	10	0.62	19.059	21	02.6	46.41	19	97.7	K5	GC	21655	P -52 9258
56	8.2	8.4W	4 26.300	-0.0002	07	-57 4 27.99	-0.016	07	0.14	26.301	14	45.6	27.92	14	45.6	B8	CD	5090	P -56 7312
57		7.4T	4 28.971	-0.0086	16	-51 30 12.51	-0.009	13	0.76	29.291	21	01.6	12.05	19	97.5	K2	GC	21660	C -51 9803
58	9.6	8.7W	4 38.547	-0.0016	06	-53 48 39.43	-0.019	06	0.18	38.565	15	38.5	39.22	18	38.5	K0	C9	6219	P -53 7143
59	9.5	8.4W	4 40.062	-0.0011	06	-53 0 46.47	-0.013	06	0.18	40.096	15	38.5	46.31	18	38.5	K0	C9	6220	P -52 9264
60	9.6	9.8W	4 40.678	-0.0024	12	-58 32 10.03	-0.002	12	0.15	40.688	14	45.6	10.02	14	45.6	B9	CD	5091	P -58 6648
61	9.0	8.9W	4 48.238	-0.0058	07	-53 39 46.05	-0.037	07	0.18	48.305	15	38.5	45.62	18	38.5	F2	C9	6221	P -53 7151
62	7.7	8.0W	4 57.796	0.0001	06	-54 23 59.17	-0.012	06	0.18	57.795	15	38.5	59.02	18	38.5	B8	C9	6222	P -54 7093
63	9.1	9.4W	5 4.492	0.0006	07	-54 0 12.16	-0.012	07	0.18	4.485	15	38.5	12.02	18	38.5	B8	C9	6223	P -53 7156
64	9.2E	9.0Z	5 6.548	0.0017	12	-51 49 47.77	0.000	12	0.82	6.471	63	03.5	47.79	57	03.5	B3	CZ	14388	P -51 8967
65		6.5T	5 8.010	-0.0003	14	-55 55 33.92	0.004	10	0.62	8.025	21	03.4	34.13	19	98.1	+++	GC	21675	P*-55 7114
66	9.0	7.8W	5 10.397	0.0036	14	-56 46 13.50	-0.041	14	0.15	10.381	14	45.6	13.32	14	45.6	+++	CD	5093	P -56 7333
67	10.2	9.0W	5 10.670	-0.0024	07	-58 22 21.89	0.006	07	0.14	10.680	14	45.6	21.92	14	45.6	K2	CD	5094	P -58 6650
68		5.8T	5 11.054	-0.0015	08	-57 48 6.61	-0.055	06	0.28	11.114	10	12.8	4.34	10	08.4	A0	GC	21677	P -57 7613
69	9.0	7.3W	5 13.931	0.0012	07	-55 2 52.17	0.002	07	0.18	13.917	15	38.5	52.20	18	38.5	K5	C9	6225	P -54 7099
70	9.5	9.8W	5 14.306	-0.0000	07	-55 54 46.35	-0.048	07	0.18	14.306	15	38.5	45.80	18	38.5	A0	C9	6226	P -55 7121
71	9.5	9.8W	5 16.819	-0.0020	06	-59 8 35.17	0.012	06	0.14	16.828	14	45.6	35.22	14	45.6	B8	CD	5096	P -58 6651
72	9.3E	9.5Z	5 19.740	0.0007	12	-51 42 43.69	-0.010	12	0.82	19.709	63	03.5	43.24	57	03.5	A0	CZ	14392	P -51 8970
73	9.2	9.2W	5 20.522	-0.0029	07	-54 58 53.04	0.016	07	0.18	20.555	15	38.5	53.23	18	38.5	A2	C9	6227	P -54 7102
74	7.9	8.2W	5 21.775	0.0034	07	-55 49 27.69	-0.017	07	0.18	21.736	15	38.5	27.50	18	38.5	A0	C9	6228	P -55 7124
75	9.8	9.4W	5 27.221	-0.0004	07	-52 30 31.53	-0.019	07	0.18	27.226	15	38.5	31.31	18	38.5	A0	C9	6229	P -52 9273
76	9.9E	8.5Z	5 30.550	-0.0048	12	-50 34 10.66	-0.050	12	0.71	30.769	45	04.0	8.35	45	04.0	K0	CZ	14397	P -50 8980
77	10.3	9.3W	5 31.472	0.0006	07	-52 37 43.18	-0.049	07	0.18	31.465	15	38.5	42.61	18	38.5	K0	C9	6230	P -52 9275
78	9.9	9.8W	5 39.952	-0.0034	13	-59 57 19.39	0.008	13	0.15	39.967	14	45.6	19.42	14	45.6	A0	CD	5097	P -59 6627
79	9.9	9.9W	5 40.071	-0.0126	15	-55 45 51.09	0.061	15	0.24	40.216	15	38.5	51.80	18	38.5	A0	C9	6231	P -55 7132
80		7.2T	5 41.098	-0.0152	13	-56 19 7.88	0.324	11	0.64	41.886	21	02.6	24.70	18	98.1	K2	GC	21691	P -56 7345
81	9.9	9.4W	5 47.590	-0.0048	14	-52 2 55.66	-0.038	14	0.23	47.646	15	38.5	55.22	18	38.5		C9	6232	P -51 8976
82	10.1	10.0W	5 48.124	0.0029	14	-56 58 32.42	-0.022	14	0.15	48.111	14	45.6	32.32	14	45.6	A0	CD	5099	P -56 7347
83		7.8T	5 49.307	0.0006	18	-51 59 2.59	-0.033	13	0.81	49.279	24	02.8	0.88	21	98.1	A0	GC	21697	C -51 9814
84	9.2	9.3W	5 57.516	-0.0008	07	-52 35 1.96	-0.047	07	0.18	57.526	15	38.5	1.41	18	38.5	A0	C9	6234	P -52 9286
85	9.4	7.9W	5 58.386	-0.0009	07	-57 37 43.89	-0.015	07	0.14	58.390	14	45.6	43.82	14	45.6	K5	CD	5100	P -57 7629
86	10.4	10.2W	5 58.384	-0.0010	07	-52 40 44.01	-0.017	07	0.18	58.396	15	38.5	43.81	18	38.5	B8	C9	6235	P*-52 9287
87	8.7E	9.5H	6 2.733	0.0008	12	-50 19 39.24	-0.018	12	0.71	2.697	45	04.0	38.40	45	04.0	B8	CZ	14404	P -50 8986
88	9.3	9.4W	6 3.389	-0.0021	07	-58 53 33.15	-0.007	07	0.14	3.398	14	45.6	33.12	14	45.6	A2	CD	5101	P -58 6659
89		7.6T	6 17.041	0.0021	17	-50 37 44.72	-0.004	13	0.79	16.941	21	01.7	44.48	19	96.2	K5	GC	21709	C -5001079
90	8.4	8.7W	6 20.894	-0.0027	07	-52 35 18.60	-0.042	07	0.18	20.926	15	38.5	18.11	18	38.5	A0	C9	6236	P -52 9293
91	9.1E	9.5Z	6 27.423	0.0011	12	-51 44 8.18	-0.022	12	0.82	27.374	63	03.5	7.14	57	03.5	A0	CZ	14410	P -51 8985
92	9.6	9.4W	6 27.748	0.0001	07	-59 40 22.67	-0.035	07	0.14	27.747	14	45.6	22.52	14	45.6	F0	CD	5102	P -59 6636
93	9.0	9.3W	6 30.584	-0.0001	07	-53 18 21.72	-0.026	07	0.18	30.585	15	38.5	21.41	18	38.5	B8	C9	6237	P -53 7205
94		7.8T	6 32.320	-0.0024	17	-55 12 58.17	-0.006	12	0.71	32.436	21	05.4	57.88	19	01.2	B3	GC	21719	P -55 7159
95	8.7	9.0W	6 32.438	-0.0001	12	-58 38 30.39	0.007	12	0.15	32.438	14	45.6	30.42	14	45.6	A0	CD	5103	P -58 6661
96	8.5	8.8W	6 34.837	0.0002	07	-54 52 9.81	-0.016	07	0.18	34.835	15	38.5	9.63	18	38.5	A0	C9	6239	P -54 7130
97	8.6E	8.7Z	6 35.669	0.0014	12	-51 43 37.23	-0.015	12	0.82	35.606	63	03.5	36.51	57	03.5	A0	CZ	14414	P -51 8990
98	9.4	9.2W	6 35.734	0.0010	07	-57 39 41.88	-0.037	07	0.14	35.730	14	45.6	41.72	14	45.6	F5	CD	5104	P -57 7640
99	10.3		6 37.889	0.0012	15	-52 49 34.99	-0.041	15	0.24	37.876	15	38.5	34.51	18	38.5	B9	C9	6240	P -52 9296
00	9.6	9.0W	6 39.625	0.0017	15	-54 55 41.89	-0.006	15	0.24	39.605	15	38.5	41.83	18	38.5	F8	C9	6241	P -54 7134

243400			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	9.7	7.5W	16 6 42.002	0.0015	07	-53 44 21.43	-0.019	07	0.18	41.985	15	38.5	21.22	18	38.5	K5	C9	6242	P -53 7214	
2	8.8	8.9W	6 43.818	0.0011	07	-54 11 35.52	-0.008	07	0.18	43.805	15	38.5	35.42	18	38.5	B8	C9	6243	P -53 7213	
3		7.3T	6 45.678	-0.0021	12	-55 56 29.95	-0.003	12	0.66	45.793	21	00.9	29.79	18	94.8	B5	GC	21726	P -55 7162	
4	7.5E	8.0Z	6 47.070	-0.0007	12	-51 50 19.15	-0.007	12	0.66	47.106	31	01.5	18.80	31	01.5	A0	CZ	14417	P -51 8995	
5	11.0E	10.0H	6 49.445	0.0019	12	-51 50 12.56	-0.015	12	0.82	49.359	63	03.5	11.84	57	03.5	A0	CZ	14418	P -51 8995	
6	7.4	7.7W	6 52.656	-0.0010	14	-57 28 39.68	0.009	14	0.15	52.661	14	45.6	39.72	14	45.6	B8	C0	5106	P -57 7648	
7	8.5	8.3W	7 2.068	-0.0001	07	-59 25 57.85	0.015	07	0.14	2.069	14	45.6	57.92	14	45.6	F0	C0	5107	P -59 6640	
8	8.8	8.9W	7 7.598	-0.0016	08	-55 30 58.77	-0.006	08	0.19	7.616	15	38.5	58.70	18	38.5	A0	C9	6245	P -55 7171	
9	9.5E	9.5Z	7 14.386	0.0011	12	-51 10 0.18	-0.004	12	0.82	14.333	63	03.5	59.99	57	03.5	B8	CZ	14428	P -50 9004	
10	9.6	9.6W	7 18.456	-0.0008	15	-54 21 25.41	-0.007	15	0.24	18.465	15	38.5	25.32	18	38.5	B0	C9	6246	P -54 7155	
11	7.9	8.1W	7 18.676	0.0009	05	-56 7 25.37	-0.050	05	0.18	18.666	15	38.5	24.80	18	38.5	B8	C9	6247	P -55 7175	
12	9.7	9.0W	7 24.313	-0.0002	07	-54 13 29.13	-0.000	07	0.18	24.315	15	38.5	29.12	18	38.5	K0	C9	6248	P -54 7159	
13		7.2T	7 29.209	0.0005	15	-50 24 49.88	-0.009	11	0.69	29.184	19	01.0	49.43	18	97.0	A2	GC	21741	C -5010197	
14	9.6	9.2W	7 32.258	-0.0001	06	-59 17 34.08	0.031	06	0.14	32.258	14	45.6	34.22	14	45.6	F8	C0	5108	P -59 6644	
15	9.2	9.4W	7 40.060	0.0004	07	-54 11 8.67	-0.012	07	0.18	40.055	15	38.5	8.52	18	38.5	B9	C9	6249	P -53 7250	
16	9.7	9.8W	7 45.390	-0.0002	07	-57 55 43.82	0.001	07	0.14	45.391	14	45.6	43.82	14	45.6	A0	C0	5109	P -57 7664	
17	10.5		7 45.817	0.0009	14	-52 0 25.75	0.006	14	0.23	45.806	15	38.5	25.82	18	38.5	B8 O	C9	6250	P -51 9017	
18	8.8	8.8W	7 46.556	-0.0025	08	-54 28 7.00	-0.024	08	0.19	46.585	15	38.5	6.72	18	38.5	A3	C9	6251	P -54 7171	
19	9.3E	9.5Z	7 51.197	0.0002	12	-51 29 25.40	-0.003	12	0.82	51.186	63	03.5	25.26	57	03.5	B8	CZ	14432	P -51 9021	
20	9.1	9.2W	8 0.592	-0.0011	06	-53 4 39.07	-0.022	06	0.18	0.606	15	38.5	38.81	18	38.5	A0	C9	6252	P -52 9316	
21	8.7	8.8W	8 0.737	-0.0033	07	-54 11 37.85	0.007	07	0.18	0.775	15	38.5	37.92	18	38.5	A2	C9	6253	P -53 7265	
22		6.8T	8 1.656	-0.0019	16	-54 13 27.32	-0.031	11	0.69	1.743	21	02.8	25.66	19	96.7	B9	GC	21752	P -54 7185	
23	9.2	9.4W	8 2.159	0.0012	15	-54 48 26.44	-0.010	15	0.24	2.145	15	38.5	26.33	18	38.5	B8	C9	6255	P -54 7181	
24	9.6	8.3W	8 2.388	-0.0007	07	-55 42 16.69	-0.017	07	0.18	2.396	15	38.5	16.50	18	38.5	G5	C9	6256	P -55 7197	
25	9.9	10.0W	8 9.960	-0.0023	12	-57 52 44.37	0.012	12	0.15	9.970	14	45.6	44.42	14	45.6	B9	C0	5110	P -57 7667	
26	8.5	8.7W	8 11.236	-0.0011	07	-56 38 59.72	-0.000	07	0.14	11.241	14	45.6	59.72	14	45.6	B8	C0	5111	P -56 7393	
27	9.2	9.5W	8 19.155	-0.0026	06	-52 39 47.88	-0.040	06	0.18	19.186	15	38.5	47.41	18	38.5	A0	C9	6257	P -52 9323	
28	10.2E	9.5Z	8 22.232	0.0011	12	-51 57 6.18	0.007	12	0.82	22.183	63	03.5	6.52	57	03.5		CZ	14439	P -51 9034	
29	11.0E	9.8H	8 23.167	-0.0022	12	-51 57 13.99	-0.027	12	0.82	23.271	63	03.5	12.75	57	03.5		CZ	14440	P -51 9034	
30	9.0	8.9W	8 30.447	-0.0007	07	-52 2 1.00	-0.025	07	0.18	30.456	15	38.5	0.72	18	38.5	A0	C9	6259	P -51 9036	
31	10.1	10.2W	8 36.383	-0.0046	15	-55 30 17.82	-0.011	15	0.24	36.436	15	38.5	17.70	18	38.5	A0	C9	6260	P -55 7207	
32	8.2E	8.5Z	8 36.768	0.0015	12	-51 43 19.01	-0.012	12	0.82	36.701	63	03.5	18.48	57	03.5	A5	CZ	14442	P -51 9040	
33	10.2	9.1W	8 42.122	-0.0003	06	-52 46 36.39	-0.041	06	0.18	42.126	15	38.5	35.91	18	38.5	K0	C9	6261	P -52 9331	
34	10.0	10.3W	8 45.155	-0.0035	07	-57 56 57.19	-0.016	07	0.14	45.171	14	45.6	57.12	14	45.6	A0	C0	5112	P -57 7681	
35	9.5	9.6W	8 53.031	-0.0012	07	-52 2 58.05	-0.020	07	0.18	53.046	15	38.5	57.82	18	38.5	B9	C9	6262	P -51 9047	
36	9.5	9.7W	8 53.915	-0.0012	14	-57 34 9.86	0.013	14	0.15	53.920	14	45.6	9.92	14	45.6	B9	C0	5113	P -57 7684	
37	8.5	8.6W	8 54.610	-0.0017	07	-59 54 20.14	-0.004	07	0.14	54.617	14	45.6	20.12	14	45.6	A2	C0	4871	P -59 6652	
38	10.0	10.1W	9 1.463	0.0032	07	-58 38 37.49	-0.016	07	0.14	1.448	14	45.6	37.42	14	45.6	B9	C0	5115	P*-58 6692	
39	9.7	9.3W	9 2.074	-0.0027	07	-52 30 15.57	-0.048	07	0.18	2.106	15	38.5	15.01	18	38.5	F0	C9	6263	P -52 9341	
40	8.7	8.8W	9 2.938	-0.0015	07	-53 56 20.52	0.027	07	0.18	2.955	15	38.5	20.82	18	38.5	B5	C9	6264	P -53 7350	
41	8.9	9.0W	9 4.247	0.0002	15	-54 3 57.73	0.026	15	0.24	4.245	15	38.5	58.02	18	38.5		C9	6265	P -53 7353	
42		7.6T	9 6.400	0.0002	17	-54 13 58.92	-0.013	12	0.71	6.393	18	04.3	58.26	19	99.9	A3	GC	21775	P -54 7226	
43	9.6E	8.7Z	9 13.672	0.0024	12	-50 55 41.76	-0.007	12	0.71	13.559	45	04.0	41.43	45	04.0	G5	CZ	14450	P -50 9039	
44		7.7T	9 15.409	-0.0058	16	-50 56 20.00	-0.010	12	0.75	15.692	22	01.5	19.45	19	96.8	G5	GC	21779	C -5010228	
45	10.2	9.7W	9 20.265	-0.0096	07	-52 23 45.59	-0.058	07	0.18	20.376	15	38.5	44.92	18	38.5	G5	C9	6267	P -52 9352	
46			9 21.329	0.0029	07	-54 6 27.88	-0.014	07	0.18	21.295	15	38.5	27.72	18	38.5		C9	6268	P*-53 7400	
47	8.1	7.9W	9 21.644	-0.0062	06	-56 17 14.04	-0.030	06	0.14	21.672	14	45.6	13.91	14	45.6	F8	C0	5116	P -56 7411	
48		6.0T	9 22.491	-0.0015	14	-53 32 38.93	-0.017	09	0.62	22.563	21	03.5	38.01	19	96.3	M0	GC	21782	P -53 7413	
49		6.0T	9 22.975	-0.0118	12	-55 24 47.66	-0.043	09	0.56	23.626	21	01.4	45.28	19	94.6	F0	GC	21783	P -55 7229	
50	9.9E	9.0Z	9 24.002	-0.0003	12	-50 37 30.90	-0.016	12	0.71	24.014	45	04.0	30.15	45	04.0	G5	CZ	14454	P -50 9044	
51	9.9E	9.8Z	16 9 25.013	0.0008	12	-51 28 11.88	-0.005	12	0.82	24.975	63	03.5	11.65	57	03.5	B9	CZ	14453	P -51 9063	
52	9.0	9.2W	9 27.410	0.0004	07	-54 59 59.50	0.011	07	0.18	27.405	15	38.5	59.63	18	38.5	A0	C9	6272	P -54 7241	
53	9.7	8.7W	9 28.728	-0.0047	07	-59 1 26.89	-0.016	07	0.14	28.748	14	45.6	26.82	14	45.6	K0	C0	5117	P -58 6693	
54		5.1H	9 31.393	0.0002	03	-54 30 11.60	-0.027	04	0.13	31.386	06	19.7	10.73	06	18.1	K0	F4	600	P -54 7245	
55	8.9E	8.2Z	9 32.668	-0.0039	12	-50 48 24.35	-0.016	12	0.62	32.851	28	02.7	23.59	26	02.7	K2	CZ	14458	P -50 9048	
56	10.0	9.9W	9 33.341	-0.0022	14	-57 20 40.54	-0.028	14	0.15	33.351	14	45.6	40.42	14	45.6	A2	C0	5118	P -57 7687	
57	9.4	8.7W	9 39.912	0.0023	06	-53 59 58.89	0.020	06	0.18	39.885	15	38.5	59.12	18	38.5	B3	C9	6274	P -53 7442	
58	9.2E	9.0Z	9 41.558	0.0027	12	-51 29 26.64	-0.011	12	0.66	41.426	31	01.5	26.10	31	01.5	F8	CZ	14459	P -51 9074	
59	10.7E	9.8H	9 42.198	0.0011	12	-51 29 21.92	0.005	12	0.82	42.146	63	03.5	22.15	57	03.5	F8	CZ	14460	P -51 9074	
60	9.8	9.9W	9 42.514	0.0009	13	-57 56 53.41	0.003	13	0.15	42.511	14	45.6	53.42	14	45.6	A0	C0	5119	P -57 7688	
61	9.9	9.6W	9 42.933	-0.0018	07	-56 56 12.30	-0.041	07	0.14	42.941	14	45.6	12.12	14	45.6	A3	C0	5120	P -56 7420	
62	8.2	7.6W	9 46.715	-0.1080	06	-57 25 27.08	-1.397	06	0.14	47.191	14	45.6	20.92	14	45.6	G5	C0	5121	P -57 7690	
63	9.7	8.5W	9 49.521	-0.0062	07	-58 44 33.80	-0.040	07	0.14	49.548	14	45.6	33.62	14	45.6	G5	C0	5122	P -58 6696	
64	10.0E	10.0Z	9 52.172	0.0001	12	-50 28 23.30	-0.012	12	0.66	52.168	36	03.8	22.73	36	03.8	B8	CZ	14468	P -50 9057	
65	9.6E	9.9Z	9 53.414	-0.0000	12	-51 45 7.87	-0.002	12	0.82	53.416	63	03.5	7.75	57	03.5	B9	CZ	14466	P -51 9081	
66	8.1	8.4W	9 54.795	-0.0008	07	-59 25 53.80	0.004	07	0.14	54.799	14	45.6	53.82	14	45.6	A0	C0	5123	P -59 6659	
67	9.5	9.4W	9 55.712	-0.0020	06	-52 3 45.00	-0.025	06	0.18	55.736	15	38.5	44.72	18	38.5	B2	C9	6275	P -51 9082	
68		7.3T	9 56.362	0.0022	12	-57 54 46.93	0.007	09	0.51	56.259	19	07.7	47.24	18	04.0	K0	GC	21798	P -57 7691	
69	8.6	8.3W	10 1.785	0.0008	07	-55 37 10.30	-0.044	07	0.18	1.776	15	38.5	9.80	18	38.5	F8	C9	6276	P -55 7240	
70	9.7	10.0W	10 2.443	0.0011	11	-58 55 30.24	0.018	11	0.15	2.438	14	45.6	30.32	14	45.6	A0	C0	5125	P -58 6697	
71	9.9E	9.7Z	10 2.566	0.0009	12	-50 44 36.75	-0.010	12	0.71	2.522	45	03.5	36.28	45	03.5		CZ	14471	P -50 9063	
72	8.6E	8.5Z	10 12.520	0.0014	12	-51 46 48.20	-0.014	12	0.66	12.454	31	01.5	47.54	31	01.5	K5	CZ	14472	P -51 9093	
73	9.9	10.1W	10 13.029	0.0019	15	-55 13 5.32	-0.028	15	0.24	13.007	15	38.5	5.00	18	38.5	A0	C9	6277	P -55 7244	
74	8.2	7.8W	10 15.082	0.0006	07	-54 2 39.36	-0.056	07	0.18	15.075	15	38.5	38.72	18	38.5	G0	C9	6278	P -53 7484	
75	9.5	9.1W	10 19.930	0.0018	07	-56 9 18.67	-0.038	07	0.14	19.922	14	45.6	18.51	14	45.6	G0	C0	5126	P -55 7245	
76	9.3E	9.8Z	10 20.911	0.0007	12	-51 20 1.05	-0.000	12	0.82	20.876	63	03.5	1.05	57	03.5	B5	CZ	14476	P -51 9101	
77	8.4E	8.5Z	10 23.201	0.0012	12	-50 39 9.08	-0.448	12	0.71	23.143	45	03.5	48.24	45	03.5	G0	CZ	14477	P -50 9072	
78	8.8	8.6W	10 29.428	-0.0006	07	-52 44 35.11	-0.043	07	0.18	29.436	15	38.5	34.61	18	38.5	F8	C9	6279	P -52 9377	
79	9.9	10.2W	10 31.816	0.0036	15	-57 54 12.53	-0.003	15	0.16	31.800	14	45.6	12.52	14	45.6	B8	C0	5127	P -57 7697	
80	9.8	9.7W	10 32.644	-0.0045	07	-52 47 31.79	-0.032	07	0.18	32.696	15	38.5	31.41	18	38.5	A0 O	C9	6280	P -52 9378	
81	9.7	8.8W	10 34.965	-0.0002	15	-55 18 21.26	-0.014	15	0.24	34.967	15	38.5	21.10	18	38.5	K0	C9	6281	P -55 7257	
82	9.0E	9.0Z	10 37.747	0.0011	12	-51 3 29.38	-0.005	12	0.71	37.693	45	03.5	29.14	45	03.5	B8	CZ	14482	P -50 9078	
83	8.9	9.0W	10 39.500	-0.0022	07	-53 26 2.99	-0.041	07	0.18	39.526	15	38.5	2.51	18	38.5	B8	C9	6282	P -53 7506	
84	10.5	9.4W	10 39.972	-0.0019	06	-57 53 58.77	-0.033	06	0.14	39.980	14	45.6	58.62	14	45.6	K2	C0	5128	P -57 7700	
85	8.8	8.2W	10 40.020	-0.0061	07	-59 33 58.59	-0.038	07	0.14	40.047	14	45.6	58.42	14	45.6	G5	C0	5129	P -59 6666	
86	9.5	9.4W	10 47.416	0.0010	14	-56 23 18.49	0.004	14	0.15	47.412	14	45.6	18.51	14	45.6	A0	C0	5130	P -56 7447	
87	8.4	8.4W	10 50.839	-0.0015	07	-52 12 41.57	-0.039	07	0.18	50.856	15	38.5	41.12	18	38.5	B2	C9	6283	P -52 9393	
88	9.9	9.0W	10 51.059	-0.0041	07	-59 58 26.06	-0.056	07	0.14	51.077	14	45.6	25.82	14	45.6	K0	C0	5131	P -59 6668	
89	9.4	9.4W	10 51.179	-0.0005	13	-53 53 31.41	-0.034	13	0.22	51.185	15	38.5	31.02	18	38.5	A2	C9	6284	P -53 7508	
90	10.0	9.9W	10 54.152	0.0005	14	-51 59 18.79	-0.006	14	0.23	54.146	15	38.5	18.72	18	38.5	A3	C9	6285	P -51 9119	
91	8.9E	9.0Z	10 59.055	0.0008	12	-51 40 58.91	-0.010	12	0.82	59.020	63	03.5	58.43	57	03.5	B9	CZ	14485	P -51 9122	
92	10.4	9.6W	10 59.865	-0.0010	07	-52 12 14.37	-0.022	07	0.18	59.876	15	38.5	14.12	18	38.5		C9	6286	P -52 9397	
93	9.2	8.8W	11 0.453	-0.0072	07	-55 33 13.83	-0.064	07	0.18	0.536	15	38.5	13.10	18	38.5	F8	C9	6287	P -55 7272	
94	9.9	8.4W	11 2.138	-0.0007	07	-52 11 46.11	-0.017	07	0.18	2.146	15	38.5	45.92	18	38.5	K0	C9	6288	P -52 9399	
95		8.0T	11 2.150	-0.0232	16	-56 14 45.68	-0.220	12	0.69	3.307	22	05.0	34.71	19	00.1	G0	GC	21824	P -56 7457	
96	9.2E	9.5Z	11 3.755	0.0004	12	-51 11 29.16	-0.019	12	0.82	3.734	63	03.5	28.27	57	03.5	A0	CZ	14488	P -50 9089	
97	10.0	9.6W	11 4.169	0.0002	14	-51 55 53.99	-0.041	14	0.23	4.166	15	38.5	53.52	18	38.5	F8	C9	6289	P -51 9124	
98	8.7	8.6W	11 5.422	0.0005	07	-55 49 13.75	-0.005	07	0.18	5.416	15	38.5	13.70	18	38.5	A0	C9	6290	P -55 7276	
99	8.3	8.5W	11 6.110	0.0022	06	-52 46 27.42	-0.035	06	0.18	6.085	15	38.5	27.01	18	38.5	B9	C9	6291	P -52 9400	
00	9.3	9.4W	11 8.234	0.0010	07	-57 39 1.23	-0.001	07	0.14	8.230	14	45.6	1.22	14	45.6	A0	C0	5133	P -57 7711	

243500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 16H DM NUMBER
1	10.0	10.1W	16 11 11.563	-0.0046	15	-52 24 17.92	-0.009	15	0.24	11.616	15	38.5	17.82	18	38.5	AO	C9	6292	P -52 9405
2	10.0	10.2W	11 12.057	-0.0042	15	-54 27 7.32	-0.017	15	0.24	12.105	15	38.5	7.12	18	38.5	B8	C9	6293	P -54 7294
3	9.0	9.2W	11 21.969	-0.0014	08	-53 5 6.93	-0.036	08	0.19	21.985	15	38.5	6.51	18	38.5	AO	C9	6294	P -52 9410
4	8.5	8.0W	11 30.492	0.0025	06	-56 33 45.89	-0.016	06	0.14	30.481	14	45.6	45.82	14	45.6	G5	C0	5134	P#-56 7473
5	8.7	8.8W	11 33.711	-0.0012	07	-52 47 46.41	-0.034	07	0.18	33.726	15	38.5	46.01	18	38.5	B2	C9	6295	P -52 9416
6	8.9	8.5W	11 35.599	0.0038	15	-53 12 22.59	-0.059	15	0.24	35.556	15	38.5	21.91	18	38.5	F5	C9	6296	P -53 7537
7	9.4E	8.5Z	11 36.594	0.0016	12	-50 53 31.36	-0.009	12	0.71	36.517	45	03.5	30.94	45	03.5	K0	CZ	14495	P -50 9107
8	9.5E	9.0Z	11 40.112	-0.0011	12	-50 51 32.24	-0.018	12	0.71	40.161	45	03.5	31.40	45	03.5	B	CZ	14496	P -50 9109
9		5.9T	11 40.978	-0.0021	07	-57 47 13.48	-0.049	06	0.29	41.064	14	11.6	11.45	12	08.3	A2	GC	21837	P -57 7716
10	9.7E	8.9Z	11 41.905	0.0011	12	-50 33 10.21	0.004	12	0.71	41.852	45	03.5	10.37	45	03.5	K0	CZ	14497	P -50 9112
11	9.7	9.8W	11 44.128	0.0017	14	-58 6 57.86	0.014	14	0.15	44.120	14	45.6	57.92	14	45.6	B9	C0	5136	P -57 7718
12	9.0	9.2W	11 45.483	-0.0016	07	-58 17 29.86	0.013	07	0.14	45.490	14	45.6	29.92	14	45.6	B8	C0	5137	P -58 6710
13	8.2	8.0W	11 47.007	0.0002	07	-53 55 20.61	-0.034	07	0.18	47.005	15	38.5	20.22	18	38.5	F5	C9	6297	P -53 7544
14	9.0	8.8W	11 48.799	-0.0024	06	-52 14 45.88	-0.040	06	0.18	48.826	15	38.5	45.42	18	38.5	B0	C9	6298	P -52 9422
15	9.6	9.5W	11 50.769	-0.0003	07	-56 59 0.87	-0.012	07	0.14	50.771	14	45.6	0.82	14	45.6	A2	C0	5139	P -56 7485
16	9.3	8.9W	11 55.749	-0.0005	07	-53 45 55.07	-0.073	07	0.18	55.755	15	38.5	54.22	18	38.5	F8	C9	6299	P -53 7549
17	10.3	10.0W	11 57.718	0.0019	14	-52 3 50.00	-0.007	14	0.23	57.696	15	38.5	49.92	18	38.5	B9	C9	6300	P -51 9147
18	9.2E	9.0Z	12 11.776	0.0018	12	-51 41 7.97	-0.014	12	0.82	11.695	63	03.5	7.34	57	03.5	B8	CZ	14505	P -51 9155
19	8.7	8.6W	12 13.682	-0.0020	07	-54 21 3.49	-0.032	07	0.18	13.705	15	38.5	3.12	18	38.5	F0	C9	6301	P -54 7340
20	8.8	8.4W	12 14.565	-0.0122	05	-52 41 26.47	-0.039	05	0.18	14.705	15	38.5	26.01	18	38.5	G0	C9	6302	P -52 9433
21	9.6	9.7W	12 15.732	-0.0038	09	-52 8 13.66	0.005	09	0.20	15.776	15	38.5	13.72	18	38.5	A0	C9	6303	P -51 9157
22	9.5	9.4W	12 23.957	0.0010	07	-54 16 14.96	-0.020	07	0.18	23.945	15	38.5	14.72	18	38.5	F2	C9	6304	P -54 7345
23	9.7	9.7W	12 29.902	0.0001	07	-56 9 23.62	-0.025	07	0.14	29.902	14	45.6	23.51	14	45.6	A2	C0	5140	P -55 7307
24	8.9	7.5W	12 35.005	-0.0000	07	-54 3 16.64	-0.010	07	0.18	35.005	15	38.5	16.52	18	38.5	K2	C9	6305	P -53 7585
25	9.3	9.5W	12 35.770	-0.0005	07	-56 9 32.86	0.011	07	0.14	35.772	14	45.6	32.91	14	45.6	B9	C0	5141	P -55 7310
26		5.4T	12 47.693	-0.0002	09	-53 41 15.46	0.004	07	0.35	47.702	14	12.2	15.63	14	07.2	M0	GC	21861	P#-53 7594
27	9.9	10.0W	12 50.639	0.0012	15	-54 38 30.08	-0.022	15	0.24	50.625	15	38.5	29.83	18	38.5	A0	C9	6307	P -54 7355
28	9.5E	9.0Z	12 51.131	-0.0003	12	-50 29 2.15	-0.005	12	0.64	51.145	31	02.2	1.90	28	02.2	B	CZ	14513	P -50 9141
29	8.4	8.6W	12 51.656	-0.0008	07	-53 36 17.49	-0.032	07	0.18	51.665	15	38.5	17.12	18	38.5	A2	C9	6308	P -53 7599
30	9.6	9.5W	12 55.151	-0.0012	07	-52 46 59.53	-0.010	07	0.18	55.166	15	38.5	59.41	18	38.5	A2	C9	6309	P -52 9454
31	9.9	9.7W	12 59.014	-0.0029	13	-59 38 28.64	-0.027	13	0.15	59.027	14	45.6	28.52	14	45.6	A2	C0	5142	P -59 6676
32	7.6	7.9W	12 59.490	-0.0001	06	-56 33 41.16	-0.009	06	0.14	59.491	14	45.6	41.12	14	45.6	A0	C0	5143	P -56 7505
33		6.8T	13 4.116	-0.0074	13	-53 34 18.18	-0.095	09	0.60	4.467	18	02.2	13.06	19	96.2	K0	GC	21869K	P#-53 7607
34	9.1	8.3W	13 8.616	0.0018	06	-54 39 30.21	0.010	06	0.18	8.595	15	38.5	30.33	18	38.5	K0	C9	6311	P -54 7365
35	9.7	9.1W	13 9.552	-0.0064	07	-58 16 15.65	-0.074	07	0.14	9.580	14	45.6	15.32	14	45.6	G5	C0	5144	P -58 6722
36	9.8	8.4W	13 14.782	-0.0042	14	-57 10 57.67	-0.034	14	0.15	14.801	14	45.6	57.52	14	45.6	K2	C0	5145	P -56 7509
37	9.9E	10.0Z	13 16.168	0.0009	12	-50 53 20.55	-0.001	12	0.71	16.124	45	03.5	20.50	45	03.5	B8	CZ	14521	P -50 9153
38	9.8	9.8W	13 18.946	-0.0030	07	-59 58 3.16	-0.011	07	0.14	18.958	14	46.1	3.12	14	46.1	A0	C0	4890	P -59 6680
39	9.1	9.2W	13 19.538	0.0020	06	-54 39 46.78	-0.022	06	0.18	19.515	15	38.5	46.53	18	38.5	A2	C9	6312	P -54 7370
40	9.9	10.1W	13 20.983	-0.0016	12	-57 57 57.68	0.009	12	0.15	20.990	14	45.6	57.72	14	45.6	B9	C0	5147	P -57 7762
41	10.0	10.2W	13 23.227	0.0019	07	-54 51 6.56	-0.038	07	0.18	23.205	15	38.5	6.13	18	38.5	A0	C9	6313	P -54 7371
42	9.8	9.0W	13 23.269	0.0012	06	-52 49 44.10	-0.051	06	0.18	23.256	15	38.5	43.51	18	38.5	G5	C9	6314	P -52 9467
43	9.3	8.5W	13 25.162	-0.0020	07	-53 40 17.32	-0.061	07	0.18	25.185	15	38.5	16.62	18	38.5	K0	C9	6315	P -53 7620
44		6.4T	13 27.756	-0.0062	15	-52 57 46.91	-0.058	09	0.67	28.055	22	01.9	43.66	21	94.1	A5	GC	21874K	P -52 9469
45	9.8	8.3W	13 31.152	0.0006	06	-54 53 46.90	0.019	06	0.18	31.145	15	38.5	47.13	18	38.5	K5	C9	6317	P -54 7373
46	9.7E	9.5Z	13 34.640	-0.0030	12	-51 8 46.53	-0.009	12	0.82	34.777	63	03.5	46.11	57	03.5	F0	CZ	14524	P -50 9160
47	9.7E	9.7Z	13 36.526	-0.0016	12	-50 44 30.67	-0.026	12	0.71	36.598	45	03.5	29.46	45	03.5	F2	CZ	14526	P -50 9164
48		7.5T	13 43.811	-0.0006	12	-57 49 0.04	-0.017	10	0.51	43.836	18	07.2	59.28	18	04.2	K0	GC	21876	P -57 7769
49	10.0	10.1W	13 48.928	-0.0004	13	-57 58 56.77	-0.011	13	0.15	48.930	14	45.6	56.72	14	45.6	A0	C0	5149	P -57 7771
50	9.2	9.1W	13 50.151	-0.0012	09	-54 46 19.78	-0.040	09	0.20	50.165	15	38.5	19.33	18	38.5	F0	C9	6318	P -54 7387
51	8.7	8.9W	16 13 51.774	-0.0014	07	-57 55 48.49	-0.015	07	0.14	51.780	14	45.6	48.42	14	45.6	A	C0	5150	P -57 7775
52	9.3	7.7W	13 52.310	-0.0006	07	-55 5 19.28	-0.016	07	0.18	52.317	15	38.5	19.10	18	38.5	MA	C9	6319	P -54 7388
53		7.6T	13 53.694	-0.0006	14	-53 25 51.66	0.026	11	0.65	53.666	21	02.8	53.01	19	98.0	B3	GC	21881	P -53 7650
54	9.1	9.4W	13 55.126	-0.0008	07	-52 57 8.13	-0.018	07	0.18	55.135	15	38.5	7.91	18	38.5	A0	C9	6321	P -52 9481
55	10.0	9.1W	13 55.879	-0.0026	14	-57 7 35.39	-0.108	14	0.15	55.891	14	45.6	34.92	14	45.6	K0	C0	5151	P -56 7523
56	8.8	8.9W	13 57.738	-0.0024	06	-52 52 28.33	-0.019	06	0.18	57.766	15	38.5	28.11	18	38.5	B5	C9	6322	P -52 9483
57	9.2	9.4W	13 58.876	-0.0008	09	-54 45 34.37	-0.013	09	0.20	58.885	15	38.5	34.23	18	38.5	A0	C9	6323	P -54 7393
58	9.6E	9.5Z	14 0.736	-0.0002	12	-50 50 44.61	-0.028	12	0.71	0.743	45	03.5	43.30	45	03.5	F0	CZ	14530	P -50 9183
59	9.9E	9.9W	14 2.269	0.0014	12	-51 46 39.25	-0.015	12	0.66	2.204	31	01.5	38.50	31	01.5	A0	CZ	14528	P -51 9205
60	9.7	9.8W	14 2.640	-0.0019	14	-58 46 42.70	0.004	14	0.15	2.648	14	45.6	42.72	14	45.6	B9	C0	5152	P -58 6730
61	10.0	9.9W	14 5.843	0.0031	15	-55 23 52.09	-0.034	15	0.24	5.807	15	38.5	51.70	18	38.5	B9	C9	6324	P -55 7348
62	8.6	8.8W	14 9.676	-0.0017	07	-54 31 16.63	-0.044	07	0.18	9.695	15	38.5	16.13	18	38.5	A0	C9	6325	P -54 7401
63	9.6	9.8W	14 13.629	-0.0003	12	-57 44 9.87	0.011	12	0.15	13.630	14	45.6	9.92	14	45.6	A0	C0	5153	P -57 7791
64	9.5	9.5W	14 15.311	-0.0001	14	-55 58 59.18	0.007	14	0.15	15.312	14	45.6	59.21	14	45.6	B8	C0	5155	P -55 7353
65		7.1T	14 15.319	-0.0059	13	-58 16 11.49	-0.080	09	0.53	15.617	10	09.1	7.44	18	99.1	K0	GC	21894	P -58 6733
66	9.1	9.3W	14 15.816	0.0014	12	-57 42 14.24	0.018	12	0.15	15.810	14	45.6	14.32	14	45.6	B8	C0	5156	P -57 7793
67	9.9	10.1W	14 16.609	0.0080	15	-55 23 0.09	0.018	15	0.24	16.517	15	38.5	0.30	18	38.5	B9	C9	6327	P -55 7356
68	8.5	8.6W	14 18.155	-0.0026	08	-52 36 55.66	-0.039	08	0.19	18.185	15	38.5	55.21	18	38.5	A0	C9	6328	P -52 9490
69	9.7	8.7W	14 21.718	-0.0050	07	-56 33 3.48	-0.013	07	0.14	21.741	14	45.6	3.42	14	45.6	K0	C0	5157	P -56 7530
70	9.9E	9.7Z	14 27.175	0.0006	12	-51 26 16.63	-0.004	12	0.82	27.144	63	03.5	16.44	57	03.5	A0	CZ	14539	P -51 9225
71	9.3	9.4W	14 28.358	-0.0004	07	-57 49 2.56	-0.009	07	0.14	28.360	14	45.6	2.52	14	45.6	B8	C0	5158	P -57 7803
72	8.1	8.4W	14 28.983	0.0006	06	-57 34 28.04	0.018	06	0.14	28.980	14	45.6	28.12	14	45.6	B5	C0	5159	P -57 7804
73	9.6	9.2W	14 29.500	0.0004	07	-52 4 24.45	-0.011	07	0.18	29.496	15	38.5	24.32	18	38.5	G0	C9	6329	P -51 9224
74	10.5E	9.6Z	14 30.303	-0.0008	12	-51 3 0.87	-0.010	12	0.71	30.338	45	03.5	0.40	45	03.5	F0	CZ	14542	P -50 9193
75	10.0	8.8W	14 30.414	-0.0002	07	-52 27 39.09	-0.067	07	0.18	30.416	15	38.5	38.32	18	38.5	K2	C9	6330	P -52 9501
76	11.2E	10.5H	14 30.676	-0.0002	12	-51 3 7.49	-0.026	12	0.71	30.683	45	03.5	6.27	45	03.5	F0	CZ	14543	P -50 9193
77	9.4	9.6W	14 32.719	0.0030	15	-54 55 8.15	-0.037	15	0.24	32.685	15	38.5	7.73	18	38.5	B9	C9	6331	P -54 7414
78	9.8	10.0W	14 34.051	0.0031	07	-54 47 39.21	-0.008	07	0.18	34.015	15	38.5	39.13	18	38.5	B8	C9	6332	P -54 7416
79	9.4	9.7W	14 36.337	0.0002	07	-54 47 35.38	0.013	07	0.18	36.335	15	38.5	35.53	18	38.5	B8	C9	6333	P -54 7420
80	8.7	9.0W	14 37.456	0.0001	06	-53 30 36.78	-0.014	06	0.18	37.455	15	38.5	36.62	18	38.5	B8	C9	6334	P -53 7679
81	9.7	9.6W	14 37.510	-0.0001	06	-57 49 27.51	0.002	06	0.14	37.510	14	45.6	27.52	14	45.6		C0	5160	P -57 7811
82	8.3	8.6W	14 38.168	-0.0004	11	-58 0 49.79	0.029	11	0.15	38.170	14	45.6	49.92	14	45.6	B8	C0	5161	P -57 7809
83	7.6	7.8W	14 39.460	-0.0001	06	-57 48 34.26	0.013	06	0.14	39.460	14	45.6	34.32	14	45.6	B8	C0	5162	P -57 7816
84	8.5	8.8W	14 41.036	0.0012	06	-57 49 22.45	0.015	06	0.14	41.030	14	45.6	22.52	14	45.6		C0	5163	P -57 7818
85	8.9E	9.5Z	14 41.625	0.0012	12	-51 18 40.05	0.003	12	0.82	41.567	63	03.5	40.19	57	03.5	B9	CZ	14545	P -51 9237
86	7.2I		14 42.480	0.0007	10	-57 46 42.59	-0.002	07	0.46	42.441	18	01.0	42.51	15	96.8	GOP	GC	21898X	P#-57 7821
87	9.7	9.8W	14 44.638	-0.0006	15	-53 11 52.74	-0.011	15	0.24	44.646	15	38.5	52.61	18	38.5	B8	C9	6335	P -53 7687
88	9.3E	9.0Z	14 44.978	0.0020	12	-51 25 48.79	-0.000	12	0.82	44.883	63	03.5	48.78	57	03.5	K0	CZ	14546	P -51 9239
89	9.1	9.3W	14 45.355	0.0035	06	-54 50 3.84	-0.019	06	0.18	45.315	15	38.5	3.63	18	38.5	B9	C9	6336	P -54 7426
90	9.7	9.8W	14 46.715	0.0043	15	-54 31 4.75	-0.046	15	0.24	46.665	15	38.5	4.23	18	38.5	B8	C9	6337	P -54 7428
91	9.6	9.7W	14 48.292	0.0003	14	-58 29 16.15	0.017	14	0.15	48.290	14	45.6	16.22	14	45.6	A2	C0	5165	P -58 6738
92	9.8	9.9W	14 49.231	-0.0047	15	-54 21 17.18	0.003	15	0.24	49.285	15	38.5	17.22	18	38.5	A0	C9	6338	P#-54 7431
93	8.6	8.8W	14 51.745	-0.0018	06	-53 31 7.90	-0.041	06	0.18	51.765	15	38.5	7.42	18	38.5	A2	C9	6339	P -53 7691
94	8.6E	8.5Z	14 52.259	-0.0008	12	-51 5 2.86	-0.033	12	0.64	52.295	31	02.2	1.28	28	02.2	F5	CZ	14549	P -50 9198
95	9.6	8.6W	14 53.065	0.0050	15	-55 9 0.60	-0.009	15	0.24	53.007	15	38.5	0.50	18	38.5	K2	C9	6340	P -54 7430
96	9.5	8.5W	14 57.249	-0.0005	06	-53 34 30.51	-0.017	06	0.18	57.255	15	38.5	30.32	18	38.5	K0	C9	6341	P -53 7693
97	9.1	9.3W	14 58.189	0.0021	15	-54 36 45.17	0.022	15	0.24	58.165	15	38.5	45.43	18	38.5	B8	C9	6342	P -54 7439
98	9.6E	9.7Z	14 59.624	0.0006	12	-50 59 43.53	-0.005	12	0.71	59.594	45	03.5	43.29	45	03.5	B8	CZ	14550	P -50 9202
99	9.8	9.9W	15 1.806	0.0001	20	-54 51 25.02	-0.060	20	0.28	1.805	15	38.5	24.33	18	38.5	A0	C9	6343	P -54 7442
00	8.4E	8.9H	15 4.169	0.0009	12	-50 20 56.05	-0.032	12	0.71	4.127	45	03.5	54.56	45	03.5	B9	CZ	14553	P -50 9209

243600			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	9.7	9.8W	16 15 5.321	0.0005	15	-54 48 15.91	-0.077	15	0.24	5.315	15	38.5	15.03	18	38.5	A0	C9	6344	P -54 7446	
2	9.9	9.7W	15 5.967	-0.0030	14	-58 18 8.87	-0.057	14	0.15	5.980	14	45.6	8.62	14	45.6	G0	C0	5166	P -58 6739	
3	9.4	7.6W	15 6.825	0.0011	06	-57 58 14.30	0.004	06	0.14	6.820	14	45.6	14.32	14	45.6	MA	C0	5167	P -57 7842	
4	10.1		15 8.218	-0.0006	11	-57 46 4.41	-0.020	11	0.15	8.220	14	45.6	4.32	14	45.6		C0	5168	P*-57 7847	
5	9.0	9.3W	15 8.848	-0.0005	06	-57 46 21.28	0.010	06	0.14	8.850	14	45.6	21.32	14	45.6	B5	C0	5169	P -57 7848	
6	7.7E	8.5Z	15 8.882	-0.0000	12	-50 16 14.90	-0.012	12	0.71	8.882	45	03.5	14.34	45	03.5	B9	CZ	14555D	P*-50 9212	
7	11.2E	10.5Z	15 9.485	0.0001	12	-50 16 24.64	-0.020	12	0.71	9.480	45	03.5	23.70	45	03.5	B9	CZ	14556	P -50 9212	
8	10.1	8.2W	15 12.287	-0.0033	15	-54 9 48.54	-0.027	15	0.24	12.325	15	38.5	48.22	18	38.5	K5	C9	6345	P -53 7704	
9	10.3	9.2W	15 14.547	0.0009	15	-55 23 2.76	0.047	15	0.24	14.537	15	38.5	3.30	18	38.5	K2	C9	6346	P -55 7385	
10	7.9	8.3W	15 14.692	-0.0011	06	-54 50 26.92	-0.017	06	0.18	14.705	15	38.5	26.73	18	38.5	B8	C9	6347	P -54 7452	
11	9.1	9.3W	15 15.134	0.0007	14	-57 6 8.48	0.009	14	0.15	15.131	14	45.6	8.52	14	45.6	B5	C0	5170	P -56 7552	
12	8.8	9.1W	15 15.660	-0.0001	07	-57 45 53.78	0.009	07	0.14	15.660	14	45.6	53.82	14	45.6	B8	C0	5171	P -57 7854	
13	9.1E	9.0Z	15 20.113	0.0028	12	-50 58 23.34	-0.008	12	0.71	19.981	45	03.5	22.96	45	03.5	F0	CZ	14558	P -50 9217	
14		8.2T	15 20.802	0.0011	16	-50 1 54.42	0.024	14	0.75	20.749	19	02.5	55.56	19	01.5	B9	GC	21914	C -4910524	
15	10.2		15 20.891	-0.0023	14	-56 47 26.18	-0.014	14	0.15	20.901	14	45.6	26.12	14	45.6	B9	C0	5172	P -56 7555	
16		7.2T	15 21.846	0.0139	15	-54 23 29.04	-0.090	11	0.66	21.196	21	03.4	24.37	19	98.2	G0	GC	21917	P -54 7454	
17	9.7E	9.7Z	15 22.511	0.0003	12	-51 6 46.71	-0.000	12	0.71	22.495	45	03.5	46.71	45	03.5	B9	CZ	14559	P -50 9218	
18	10.0		15 24.775	-0.0010	15	-55 45 43.50	-0.070	15	0.24	24.786	15	38.5	42.70	18	38.5	A0	C9	6349	P -55 7388	
19	9.2	8.4W	15 25.251	-0.0030	08	-52 35 4.07	-0.013	08	0.19	25.286	15	38.5	3.91	18	38.5	K0	C9	6350	P -52 9535	
20	8.8	9.1W	15 25.709	-0.0024	07	-52 18 16.18	-0.023	07	0.18	25.736	15	38.5	15.92	18	38.5	B9	C9	6351	P -52 9538	
21	9.4	9.6W	15 26.936	-0.0009	05	-57 48 51.63	-0.001	05	0.14	26.940	14	45.6	51.62	14	45.6	A0	C0	5173	P -57 7858	
22	8.5	8.8W	15 27.124	-0.0036	08	-52 55 10.51	-0.008	08	0.19	27.166	15	38.5	10.41	18	38.5	B8	C9	6352	P -52 9536	
23	9.5	9.7W	15 28.238	-0.0050	09	-54 50 39.90	-0.033	09	0.20	28.295	15	38.5	39.53	18	38.5	B9	C9	6353	P -54 7458	
24	8.2	8.5W	15 28.863	0.0005	05	-57 47 8.85	-0.006	05	0.14	28.860	14	45.6	8.82	14	45.6	B8	C0	5174	P -57 7859	
25	9.5	8.6W	15 30.859	0.0002	14	-58 56 59.99	0.007	14	0.15	30.858	14	45.6	+ 0.02	14	45.6	G5	C0	5175	P -58 6742	
26	9.4	9.3W	15 32.196	-0.0036	15	-55 11 53.26	-0.014	15	0.24	32.237	15	38.5	53.10	18	38.5	B8	C9	6354	P -55 7392	
27	9.9	9.8W	15 32.282	-0.0037	15	-52 44 25.14	-0.002	15	0.24	32.325	15	38.5	25.11	18	38.5	A5	C9	6355	P -52 9540	
28	8.0	8.4W	15 34.457	-0.0007	07	-54 45 37.91	-0.025	07	0.18	34.465	15	38.5	37.63	18	38.5	B9	C9	6356	P -54 7463	
29	9.3E	9.7Z	15 35.596	-0.0007	12	-51 4 24.15	-0.015	12	0.66	35.626	36	03.9	23.45	36	03.9	B9	CZ	14565	P -50 9219	
30	9.3	9.5W	15 40.292	0.0013	09	-55 3 51.87	0.028	09	0.20	40.277	15	38.5	52.20	18	38.5	A0	C9	6357	P -54 7467	
31	9.2	9.4W	15 40.584	-0.0018	07	-53 14 47.69	0.011	07	0.18	40.606	15	38.5	47.81	18	38.5	B9	C9	6358	P -53 7732	
32	9.4	9.2W	15 42.551	-0.0023	14	-56 30 6.27	-0.012	14	0.15	42.561	14	45.6	6.22	14	45.6	A2	C0	5176	P -56 7563	
33	9.1	9.3W	15 42.851	-0.0030	08	-52 57 46.88	0.020	08	0.19	42.886	15	38.5	47.11	18	38.5	B5	C9	6359	P -52 9555	
34	9.5	9.0W	15 43.386	-0.0003	07	-59 34 25.49	0.006	07	0.14	43.387	14	45.6	25.52	14	45.6	G0	C0	5177	P -59 6694	
35	9.7	9.9W	15 44.910	-0.0001	10	-58 2 49.13	-0.002	10	0.15	44.910	14	45.6	49.12	14	45.6	B8	C0	5178	P -57 7866	
36	8.3	8.4W	15 47.076	-0.0017	06	-53 23 22.99	-0.006	06	0.18	47.096	15	38.5	22.91	18	38.5	A2	C9	6360	P -53 7737	
37	7.7	7.9W	15 49.616	-0.0017	07	-52 39 6.26	0.014	07	0.18	49.636	15	38.5	6.41	18	38.5	B5	C9	6361	P -52 9561	
38	9.0	9.1W	15 51.523	-0.0002	07	-54 57 49.63	-0.018	07	0.18	51.525	15	38.5	49.43	18	38.5	B5	C9	6362	P -54 7473	
39	9.3	9.4W	15 53.681	-0.0056	07	-53 28 1.28	0.003	07	0.18	53.746	15	38.5	1.31	18	38.5	B9	C9	6363	P -53 7744	
40	9.8	9.7W	15 54.168	-0.0015	07	-52 3 16.09	0.011	07	0.18	54.186	15	38.5	16.21	18	38.5	A3	C9	6364	P -51 9282	
41		6.7T	15 54.626	-0.0006	14	-50 54 52.23	-0.015	12	0.70	54.657	22	00.9	51.40	19	96.2	K2	GC	21927	C -5010383	
42	9.7	9.8W	15 56.962	-0.0072	15	-54 53 31.50	0.020	15	0.24	57.045	15	38.5	31.73	18	38.5	A2	C9	6365	P*-54 7479	
43		4.1H	16 5.341	-0.0162	03	-50 2 5.68	-0.055	02	0.11	5.902	06	15.4	3.68	05	13.5	K0	F4	604	C -4910536	
44	9.6	8.4W	16 9.773	-0.0019	07	-53 7 22.14	-0.002	07	0.18	9.796	15	38.5	22.11	18	38.5	K0	C9	6366	P -52 9573	
45	8.9	8.5W	16 10.624	0.0008	07	-58 9 26.04	-0.074	07	0.14	10.621	14	45.6	25.72	14	45.6	G0	C0	5179	P*-57 7881	
46	8.5	8.4W	16 14.042	-0.0020	07	-54 27 48.73	-0.010	07	0.18	14.065	15	38.5	48.62	18	38.5	F0	C9	6367	P -54 7488	
47	8.2	8.7W	16 15.189	-0.0025	11	-58 20 15.37	0.034	11	0.15	15.200	14	45.6	15.52	14	45.6	B8	C0	5180	P*-58 6748	
48	9.8	9.9W	16 19.434	0.0030	12	-58 27 4.65	-0.006	12	0.15	19.420	14	45.6	4.62	14	45.6	A0	C0	5181	P -58 6749	
49	9.0	9.3W	16 21.383	-0.0028	07	-54 47 57.65	-0.002	07	0.18	21.415	15	38.5	57.63	18	38.5	B9	C9	6368	P -54 7490	
50	8.6E	9.0Z	16 21.697	-0.0009	12	-51 7 2.40	-0.025	12	0.71	21.736	45	04.0	1.25	45	04.0	B9	CZ	14584	P -50 9239	
51	10.1E	9.8Z	16 23.185	-0.0012	12	-51 30 43.62	-0.025	12	0.81	23.241	63	04.6	42.48	57	04.6	A2	CZ	14585	P -51 9301	
52	9.5E	9.0Z	16 24.360	-0.0055	12	-51 43 9.88	-0.078	12	0.81	24.612	63	04.6	6.32	57	04.6	K0	CZ	14587	P -51 9300	
53	11.4E	10.5H	16 24.628	0.0012	12	-51 30 44.30	-0.044	12	0.81	24.575	63	04.6	42.30	57	04.6	A2	CZ	14586	P -51 9301	
54		5.9T	16 24.889	0.0027	10	-55 1 12.49	-0.022	07	0.38	24.765	14	10.5	11.50	12	04.8	K0	GC	21942	P -54 7493	
55	9.4	9.0W	16 27.594	-0.0084	14	-56 43 49.24	-0.005	14	0.15	27.631	14	45.6	49.22	14	45.6	G0	C0	5182	P -56 7578	
56	9.5E	9.8Z	16 28.509	-0.0000	12	-50 21 50.70	-0.003	12	0.71	28.510	45	04.0	50.56	45	04.0	B8	CZ	14589	P -50 9245	
57		9.6T	16 29.396	0.0020	14	-51 21 52.99	-0.003	12	0.69	29.304	24	03.0	52.83	24	00.9	K0	GC	21946	C -5110024	
58	9.9	8.9W	16 29.777	-0.0025	07	-52 0 51.76	-0.012	07	0.18	29.806	15	38.5	51.61	18	38.5	K0	C9	6370	P -51 9303	
59	10.0	9.5W	16 35.720	-0.0003	14	-55 55 8.56	-0.216	14	0.15	35.722	14	45.6	7.61	14	45.6	F8	C0	5183	P -55 7425	
60	9.9E	9.8Z	16 38.356	0.0001	12	-51 11 18.63	-0.021	12	0.81	38.350	63	04.6	17.67	57	04.6	B9	CZ	14591	P -51 9311	
61	9.7E	9.0Z	16 42.069	-0.0005	12	-50 28 6.74	-0.025	12	0.71	42.092	45	04.0	5.58	45	04.0	A0	CZ	14594	P -50 9253	
62	9.7	9.4W	16 46.343	-0.0041	07	-56 34 40.66	-0.032	07	0.14	46.361	14	45.6	40.52	14	45.6	F8	C0	5184	P -56 7585	
63	9.8E	9.8*	16 46.726	-0.0017	12	-51 22 27.15	-0.029	12	0.65	46.805	31	02.0	25.75	31	02.0	B9	CZ	14596	P -51 9317	
64	8.7E	8.5Z	16 47.819	-0.0007	12	-50 53 27.55	-0.017	12	0.64	47.850	31	02.5	26.73	28	02.5	A0	CZ	14599	P -50 9254	
65	9.8E	9.9Z	16 49.763	0.0000	12	-51 27 58.43	-0.015	12	0.81	49.761	63	04.6	57.75	57	04.6	A0	CZ	14600	P -51 9320	
66	9.1	9.4W	16 53.990	-0.0022	06	-52 15 14.85	-0.011	06	0.18	54.016	15	38.5	14.72	18	38.5	B5	C9	6372	P -52 9604	
67	9.6E	9.9Z	16 54.219	0.0003	12	-51 27 59.75	-0.026	12	0.81	54.204	63	04.6	58.56	57	04.6	A0	CZ	14601	P -51 9322	
68	8.4E	9.0H	16 55.696	-0.0015	12	-50 1 42.87	-0.015	12	0.72	55.767	45	03.0	42.16	45	03.0	A0	CZ	14604	P -49 9183	
69	10.2E	9.0Z	16 55.838	-0.0010	12	-50 37 3.36	-0.010	12	0.71	55.882	45	04.0	2.89	45	04.0	K0	CZ	14603	P -50 9260	
70		7.9T	16 59.045	-0.0010	17	-54 47 42.39	-0.048	12	0.71	59.090	22	05.7	40.08	21	02.0	A3	GC	21957	P -54 7520	
71	8.9	8.9W	16 59.982	-0.0020	07	-57 12 35.74	-0.028	07	0.14	59.991	14	45.6	35.62	14	45.6	A2	C0	5185	P*-57 7907	
72	9.6	9.5W	17 1.718	-0.0028	13	-58 23 25.53	-0.003	13	0.15	1.730	14	45.6	25.52	14	45.6	F0	C0	5186	P*-58 6757	
73	9.8E	9.7Z	17 3.993	-0.0020	12	-50 13 56.45	-0.022	12	0.71	4.086	45	04.0	55.43	45	04.0	A5	CZ	14607	P -50 9266	
74	8.6	8.9W	17 5.325	-0.0009	07	-54 28 16.39	-0.024	07	0.18	5.335	15	38.5	16.12	18	38.5	B9	C9	6374	P -54 7522	
75	9.9	8.9W	17 10.202	-0.0003	07	-52 34 50.67	-0.013	07	0.18	10.205	15	38.5	50.51	18	38.5	G5	C9	6375	P -52 9614	
76	10.0	10.2W	17 11.843	-0.0016	11	-57 44 43.40	-0.018	11	0.15	11.850	14	45.6	43.32	14	45.6	A0	C0	5187	P -57 7911	
77	9.8E	9.9Z	17 13.684	-0.0016	12	-51 15 49.48	-0.020	12	0.81	13.755	63	04.6	48.57	57	04.6	B9	CZ	14610	P -51 9338	
78	10.2	8.4W	17 15.892	0.0025	07	-56 42 5.68	-0.013	07	0.14	15.881	14	45.6	5.62	14	45.6	MA	C0	5188	P -56 7599	
79	9.5	9.4W	17 16.673	-0.0017	07	-58 16 5.34	-0.004	07	0.14	16.680	14	45.6	5.32	14	45.6	A2	C0	5189	P -58 6759	
80		7.8T	17 20.334	-0.0021	14	-52 21 4.71	-0.049	11	0.64	20.433	19	03.2	2.18	18	98.1	K0	GC	21964	P -52 9621	
81	8.1	8.6W	17 28.456	-0.0034	07	-52 59 21.03	-0.019	07	0.18	28.496	15	38.5	20.81	18	38.5	B9	C9	6377	P -52 9625	
82	8.8	8.6W	17 29.519	-0.0023	06	-52 54 58.26	-0.004	06	0.18	29.545	15	38.5	58.21	18	38.5	B0	C9	6378	P -52 9626	
83	9.8	9.8W	17 31.513	-0.0019	07	-56 20 37.30	-0.020	07	0.14	31.522	14	45.6	37.21	14	45.6	A0	C0	5190	P -56 7604	
84	8.0	8.5W	17 32.891	-0.0021	06	-52 58 56.68	0.003	06	0.18	32.916	15	38.5	56.71	18	38.5	B8	C9	6379	P -52 9630	
85	9.7	9.4W	17 34.010	0.0013	15	-53 11 24.07	-0.013	15	0.24	33.996	15	38.5	23.91	18	38.5	A0	C9	6380	P -53 7820	
86	9.6	9.6W	17 41.637	-0.0043	15	-52 27 25.24	-0.019	15	0.24	41.686	15	38.5	25.02	18	38.5	B5	C9	6381	P -52 9643	
87		7.0T	17 46.625	-0.0041	16	-51 37 54.97	-0.074	12	0.75	46.822	22	02.1	51.04	19	96.8	K0	GC	21973	C -5110054	
88		7.1T	17 52.764	-0.0017	17	-55 25 59.98	-0.045	11	0.69	52.846	22	05.6	57.79	21	01.2	A2	GC	21975	P -55 7462	
89	8.3	8.6W	17 54.397	-0.0013	13	-57 26 58.26	-0.010	13	0.15	54.391	14	45.6	58.22	14	45.6	B9	C0	5191	P -57 7929	
90	9.4	9.3W	17 56.127	-0.0009	07	-56 34 4.16	-0.009	07	0.14	56.131	14	45.6	4.12	14	45.6	A0	C0	5192	P -56 7614	
91	9.4	9.5W	17 56.809	0.0005	07	-59 40 46.31	-0.021	07	0.14	56.807	14	45.6	46.22	14	45.6	A0	C0	5193	P -59 6705	
92	9.8	8.9W	17 57.354	0.0008	07	-54 37 19.40	-0.015	07	0.18	57.345	15	38.5	19.23	18	38.5	K0	C9	6383	P -54 7549	
93	9.8	9.8W	18 0.025	-0.0013	12	-56 36 38.98	0.009	12	0.15	0.031	14	45.6	39.02	14	45.6	A2	C0	5194	P -56 7615	
94	9.0	8.9W	18 7.624	0.0006	07	-55 6 56.85	-0.022	07	0.18	7.617	15	38.5	56.60	18	38.5	A3	C9	6384	P -54 7552	
95	10.0	10.2W	18 8.421	-0.0004	14	-52 4 54.64	-0.019	14	0.23	8.426	15	38.5	54.42	18	38.5	B9	C9	6385	P -51 9379	
96	9.0	9.1W	18 12.345	-0.0026	07	-53 14 35.25	0.006	07	0.18	12.375	15	38.5	35.31	18	38.5	B8	C9	6386	P -53 7848	
97	8.9E	9.0Z	18 14.033	-0.0018	12	-50 12 30.46	-0.011	12	0.71	14.116	45	04.0	29.94	45	04.0	A0	CZ	14623	P -50 9290	
98		10.0T	18 14.571	0.0040	14	-51 26 31.85	-0.002	12	0.68	14.385	24	03.1	31.73	24	00.9	G5	GC	21988	C -5110071	
99		7.8T	18 16.452	-0.0014	14	-52 36 32.53	-0.007	12	0.61	16.513	17	07.3	32.19	19	02.5	B2	GC	21989	P -52 9668	
00	9.1E	9.6Z	18 17.671	-0.0005	12	-51 7 24.20	-0.018	12	0.81	17.692	63	04.6	23.37	57	04.6	A0	CZ	14625	P -50 9289	

243700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 16H DM NUMBER
1	9.8	10.1W	16 18 17.738	0.0018	15	-55 0 14.32	0.024	15	0.24	17.717	15	38.5	14.60	18	38.5	B8	C9	6388	P -54 7559
2	9.9	8.1W	18 20.420	0.0020	06	-56 18 21.56	0.012	06	0.14	20.412	14	45.6	21.61	14	45.6	K5	C0	5195	P -56 7620
3	9.2	8.0W	18 22.170	-0.0013	07	-54 12 18.70	0.002	07	0.18	22.185	15	38.5	18.72	18	38.5	K2	C9	6389	P -54 7563
4	9.9	9.7W	18 22.480	-0.0032	07	-52 12 24.58	-0.031	07	0.18	22.516	15	38.5	24.22	18	38.5	F0	C9	6390	P -52 9682
5	10.1	10.2W	18 25.689	-0.0045	13	-58 31 41.39	0.006	13	0.15	25.708	14	45.6	41.42	14	45.6	B9	C0	5196	P -58 6766
6	8.8	8.7W	18 25.886	0.0009	06	-56 6 16.53	-0.004	07	0.14	25.882	14	45.6	16.51	14	45.6	A0	C0	5197	P -55 7470
7	9.5	9.7W	18 27.265	0.0016	06	-52 18 27.97	0.013	06	0.18	27.246	15	38.5	28.12	18	38.5	B8	C9	6392	P -52 9685
8	9.0	8.0W	18 29.235	-0.0026	06	-54 31 0.96	-0.029	06	0.18	29.265	15	38.5	0.63	18	38.5	K2	C9	6393	P -54 7566
9	10.0E	9.5Z	18 38.713	0.0007	12	-51 44 7.06	-0.007	12	0.81	38.683	63	04.6	6.76	57	04.6	G0	CZ	14630	P -51 9400
10	8.8	8.4W	18 39.381	-0.0395	07	-53 47 9.74	-0.105	07	0.18	39.835	15	38.5	8.52	18	38.5	G5	C9	6394	P -53 7865
11	8.9	9.2W	18 43.692	0.0010	07	-59 57 57.22	0.001	07	0.14	43.688	14	46.1	57.22	14	46.1	A0	C0	4925	P -59 6708
12	10.1E	9.0Z	18 45.513	-0.0027	12	-50 59 41.73	-0.028	12	0.71	45.635	45	04.0	40.43	45	04.0		CZ	14635	P -50 9300
13	9.8	9.6W	18 46.423	-0.0012	15	-55 2 21.03	-0.055	15	0.24	46.437	15	38.5	20.40	18	38.5	A0	C9	6395	P -54 7575
14	7.9E	8.1*	18 48.581	-0.0017	12	-50 25 36.27	-0.033	12	0.64	48.662	31	02.5	34.71	28	02.5	F8	CZ	14638	P -50 9304
15	10.4	9.3W	18 49.451	-0.0022	07	-52 14 16.52	-0.044	07	0.18	49.476	15	38.5	16.02	18	38.5	K0	C9	6396	P -52 9700
16	7.7	8.1W	18 55.488	-0.0032	06	-54 55 15.69	-0.006	06	0.18	55.525	15	38.5	15.63	18	38.5	B9	C9	6397	P -54 7584
17	10.2	10.2W	18 56.694	-0.0009	12	-59 16 58.88	-0.014	12	0.15	56.698	14	45.6	58.82	14	45.6	A0	C0	5199	P -59 6712
18	8.9	8.6W	19 3.686	-0.0043	07	-53 34 6.87	-0.117	07	0.18	3.735	15	38.5	5.32	18	38.5	K0	C9	6398	P -53 7879
19	9.8	9.9W	19 7.155	0.0017	14	-59 30 4.17	-0.012	14	0.15	7.147	14	45.6	4.12	14	45.6	B9	C0	5200	P -59 6715
20	9.7E	9.9Z	19 14.066	-0.0006	12	-51 53 3.19	-0.021	12	0.81	14.096	63	04.6	2.25	57	04.6		CZ	14641	P -51 9412
21	8.8	9.1W	19 16.975	-0.0000	06	-52 44 22.71	-0.026	06	0.18	16.975	15	38.5	22.41	18	38.5	B9	C9	6399	P -52 9714
22	9.3	9.5W	19 18.614	-0.0010	07	-54 31 35.51	-0.008	07	0.18	18.625	15	38.5	35.43	18	38.5	B8	C9	6400	P -54 7596
23	9.8	9.6W	19 22.424	-0.0011	07	-58 47 48.22	-0.022	07	0.14	22.428	14	45.6	48.12	14	45.6	F0	C0	5201	P -58 6774
24	8.0	8.3W	19 23.025	-0.0016	07	-56 12 48.27	-0.015	07	0.14	23.032	14	45.6	48.21	14	45.6	A0	C0	5202	P -56 7639
25	9.5	9.5W	19 23.153	0.0004	07	-57 17 34.95	-0.006	07	0.14	23.151	14	45.6	34.92	14	45.6	B9	C0	5203	P -57 7953
26	9.2E	9.5Z	19 23.965	0.0001	12	-50 10 5.69	-0.007	12	0.71	23.961	45	04.0	5.36	45	04.0	A0	CZ	14647	P -49 9253
27	10.1E	9.5Z	19 26.278	-0.0013	12	-50 47 42.40	-0.025	12	0.71	26.336	45	04.0	41.25	45	04.0		CZ	14648	P -50 9322
28	9.9E	9.5Z	19 30.455	-0.0010	12	-51 26 33.88	-0.023	12	0.81	30.499	63	04.6	32.83	57	04.6		CZ	14649	P -51 9421
29	9.5E	9.0Z	19 31.252	0.0011	12	-51 2 30.53	-0.006	12	0.71	31.199	45	04.0	30.25	45	04.0	F5	CZ	14654	P -50 9324
30		9.2T	19 31.422	0.0004	13	-51 23 11.25	-0.039	12	0.67	31.400	22	00.0	9.18	22	97.5	G5	GC	22006	C -51100099
31	9.1	9.2W	19 32.424	0.0024	07	-52 5 18.90	-0.033	07	0.18	32.396	15	38.5	18.52	18	38.5	A0	C9	6401	P -51 9417
32	9.6E	8.5Z	19 33.390	-0.0004	12	-51 52 52.82	-0.019	12	0.81	33.410	63	04.6	51.98	57	04.6		CZ	14653	P -51 9426
33	8.5	8.9W	19 42.015	-0.0027	07	-52 8 17.46	-0.038	07	0.18	42.046	15	38.5	17.02	18	38.5	A0	C9	6402	P -51 9433
34	10.2	9.0W	19 43.919	-0.0027	07	-57 10 7.90	-0.042	07	0.14	43.931	14	45.6	7.72	14	45.6	K0	C0	5204	P -56 7645
35	8.0	8.4W	19 45.634	-0.0001	06	-52 55 40.71	0.009	06	0.18	45.636	15	38.5	40.81	18	38.5	B8	C9	6403	P -52 9731
36		7.2T	19 48.146	-0.0041	14	-58 29 21.07	-0.068	09	0.56	48.342	18	06.4	17.76	17	01.7	A2	GC	22015	P -58 6777
37	9.3	9.2W	19 48.790	-0.0013	06	-52 39 2.49	-0.024	06	0.18	48.806	15	38.5	2.21	18	38.5	A3	C9	6404	P -52 9733
38	9.0	9.4W	19 50.237	-0.0004	07	-59 26 39.39	0.006	07	0.14	50.239	14	45.6	39.42	14	45.6	B8	C0	5206	P -59 6718
39	10.0	9.9W	19 52.782	0.0032	12	-58 31 42.51	0.002	12	0.15	52.768	14	45.6	42.52	14	45.6	A5	C0	5207	P -58 6778
40	9.6	9.5W	19 57.638	-0.0041	07	-52 1 38.78	-0.023	07	0.18	57.686	15	38.5	38.51	18	38.5	B0	C9	6405	P -51 9449
41	7.4	7.7W	19 59.383	0.0005	06	-55 20 17.48	-0.016	06	0.18	59.377	15	38.5	17.30	18	38.5	B5	C9	6406	P -55 7498
42	10.0E	9.7Z	19 59.758	-0.0002	12	-50 30 43.89	-0.014	12	0.71	59.765	45	04.0	43.24	45	04.0	A0	CZ	14665	P -50 9333
43	8.8	8.9W	20 4.216	-0.0009	06	-52 10 56.66	-0.021	06	0.18	4.226	15	38.5	56.42	18	38.5	B0	C9	6407	P -52 9741
44	9.9	8.9W	20 10.567	0.0002	06	-54 40 32.04	-0.010	06	0.18	10.565	15	38.5	31.93	18	38.5	K0	C9	6409	P -54 7620
45	9.7	9.8W	20 11.274	-0.0010	15	-54 9 17.66	-0.003	15	0.24	11.285	15	38.5	17.62	18	38.5	B9	C9	6410	P -53 7908
46	8.3	8.0W	20 12.920	-0.0095	06	-55 56 22.26	0.012	06	0.14	12.962	14	45.6	22.31	14	45.6	F8	C0	5208	P -55 7502
47	9.0E	9.5Z	20 13.674	-0.0010	12	-51 52 56.74	-0.014	12	0.81	13.922	63	04.6	56.12	57	04.6	B8	CZ	14668	P -51 9456
48		7.9T	20 14.990	-0.0011	20	-55 6 15.29	-0.002	13	0.78	15.039	22	06.6	15.20	22	03.9	B8	GC	22022	P -54 7624
49	9.8	9.9W	20 19.705	0.0018	14	-59 38 17.11	-0.021	14	0.15	19.697	14	45.6	17.02	14	45.6	B8	C0	5209	P -59 6720
50		8.1T	20 23.050	-0.0015	15	-54 36 38.57	-0.009	11	0.67	23.119	22	04.1	38.12	21	00.2	B3	GC	22024	P -54 7632
51	9.7	9.8W	16 20 27.545	0.0010	14	-57 5 47.93	-0.025	14	0.15	27.541	14	45.6	47.82	14	45.6	B9	C0	5210	P -56 7656
52	9.0E	9.4Z	20 31.459	-0.0008	12	-50 31 8.93	-0.023	12	0.71	31.494	45	04.0	7.85	45	04.0	A2	CZ	14670	P -50 9351
53	10.0	10.0W	20 33.838	-0.0032	15	-52 34 51.47	-0.013	15	0.24	33.876	15	38.5	51.31	18	38.5	B8	C9	6414	P -52 9759
54	9.5	9.4W	20 40.073	0.0007	07	-54 31 14.94	-0.027	07	0.18	40.065	15	38.5	14.63	18	38.5	B0	C9	6415	P -54 7638
55	9.2	7.4W	20 41.108	-0.0028	06	-56 53 27.28	-0.037	06	0.14	41.121	14	45.6	27.12	14	45.6	K5	C0	5211	P -56 7660
56	9.9	9.9W	20 43.360	0.0007	11	-59 56 39.91	0.002	11	0.15	43.357	14	45.6	39.92	14	45.6	B0	C0	5212	P -59 6723
57	9.5E	9.5*	20 43.869	-0.0037	12	-51 38 54.44	-0.034	12	0.65	44.048	31	02.0	52.83	31	02.0	F8	CZ	14673	P -51 9476
58	10.1	9.1W	20 47.516	-0.0141	07	-59 21 50.07	-0.035	07	0.14	47.579	14	45.6	49.92	14	45.6	K0	C0	5213	P -59 6726
59	8.8	9.0W	20 49.598	-0.0006	06	-53 20 58.13	-0.010	06	0.18	49.606	15	38.5	58.01	18	38.5	B2	C9	6416	P -53 7928
60	8.4	7.8W	20 50.915	-0.0000	06	-53 28 3.32	-0.018	06	0.18	50.916	15	38.5	3.11	18	38.5		C9	6417	P -53 7930
61	10.1	10.1W	20 51.659	-0.0003	09	-58 3 14.83	-0.003	09	0.15	51.660	14	45.6	14.82	14	45.6	A2	C0	5214	P -57 7978
62	9.9		20 52.144	-0.0011	13	-52 28 20.71	0.018	13	0.22	52.156	15	38.5	20.92	18	38.5	B8	C9	6418	P -52 9770
63	9.1	8.0W	20 52.449	0.0039	07	-56 12 14.52	-0.025	07	0.14	52.432	14	45.6	14.41	14	45.6	K0	C0	5215	P -56 7662
64	9.6E	9.4Z	20 55.687	-0.0030	12	-50 14 8.98	-0.027	12	0.71	55.825	45	04.0	7.73	45	04.0	F0	CZ	14678	P -50 9360
65	9.7	9.8W	20 55.732	-0.0064	15	-52 26 49.80	-0.033	15	0.24	55.806	15	38.5	49.42	18	38.5	A3	C9	6419	P -52 9772
66	9.7	9.5W	20 57.813	-0.0002	07	-54 54 51.09	0.029	07	0.18	57.815	15	38.5	51.43	18	38.5	F8	C9	6420	P -54 7648
67	9.6	9.7W	21 4.154	-0.0045	13	-52 26 57.32	-0.000	13	0.22	4.206	15	38.5	57.32	18	38.5	B8	C9	6421	P -52 9778
68	9.4E	9.0Z	21 7.173	-0.0194	12	-51 18 54.31	0.022	12	0.81	8.053	63	04.6	55.30	57	04.6	G5	CZ	14684	P -51 9491
69	9.9	10.1W	21 9.319	-0.0024	14	-52 4 43.62	-0.000	14	0.23	9.346	15	38.5	43.62	18	38.5	B9	C9	6422	P -51 9490
70	9.3	7.5W	21 12.198	0.0014	07	-56 23 27.96	0.012	07	0.14	12.192	14	45.6	28.01	14	45.6	K2	C0	5216	P -56 7668
71	9.6	9.8W	21 12.323	-0.0028	15	-52 50 44.30	-0.042	15	0.24	12.356	15	38.5	43.81	18	38.5	B8	C9	6423	P -52 9783
72		8.0T	21 13.897	-0.0008	11	-50 38 2.83	-0.012	09	0.44	13.931	15	09.6	2.29	15	06.9	B9	GC	22044	C -5010504
73	9.4	9.4W	21 16.107	-0.0033	07	-54 58 45.79	0.020	07	0.18	16.145	15	38.5	46.03	18	38.5	A0	C9	6424	P -54 7658
74	10.0	9.9W	21 16.337	-0.0033	13	-53 12 55.05	-0.012	13	0.22	16.375	15	38.5	54.91	18	38.5	A2	C9	6425	P -53 7945
75	9.6E	8.5Z	21 18.317	0.0016	12	-50 48 35.32	-0.029	12	0.71	18.242	45	04.0	33.99	45	04.0	K0	CZ	14689	P -50 9365
76	10.0	9.9W	21 20.489	-0.0023	15	-53 16 3.94	0.024	15	0.24	20.516	15	38.5	4.21	18	38.5	B9	C9	6426	P -53 7947
77	9.8	10.0W	21 20.648	-0.0007	14	-52 1 5.15	-0.003	14	0.23	20.656	15	38.5	5.12	18	38.5	A0	C9	6427	P -51 9496
78	9.6	8.7W	21 22.197	0.0009	06	-52 13 34.06	-0.011	06	0.18	22.186	15	38.5	33.92	18	38.5	K0	C9	6428	P -52 9788
79		8.5T	21 27.975	0.0004	20	-50 37 53.53	-0.012	14	0.84	27.958	24	04.7	52.91	22	00.2	B9	GC	22051	C -5010508
80		9.1T	21 29.456	0.0024	13	-51 25 21.83	-0.019	12	0.66	29.340	22	00.9	20.83	22	98.4	K2	GC	22052	C -5110144
81	9.6	9.8W	21 32.933	0.0006	08	-52 7 13.09	0.011	08	0.19	32.926	15	38.5	13.22	18	38.5	A0	C9	6429	P -51 9503
82	9.7E	8.0Z	21 39.052	0.0001	12	-50 35 4.53	-0.011	12	0.66	39.046	36	03.8	4.01	36	03.8	G5	CZ	14702	P -50 9372
83	9.6E	9.9Z	21 40.865	-0.0012	12	-51 54 39.69	-0.017	12	0.81	40.922	63	04.6	38.90	57	04.6	B	CZ	14698	P -51 9506
84	9.8E	9.4Z	21 42.637	0.0009	12	-50 16 19.99	-0.005	12	0.66	42.596	36	03.8	19.75	36	03.8	A0	CZ	14704	P -50 9373
85	9.5	8.3W	21 42.830	-0.0006	07	-55 6 34.74	-0.013	07	0.18	42.837	15	38.5	34.60	18	38.5	K2	C9	6430	P -54 7671
86	10.1	10.1W	21 46.004	0.0015	14	-59 36 56.63	-0.026	14	0.15	45.997	14	45.6	56.52	14	45.6	A0	C0	5217	P -59 6732
87	9.2E	9.4Z	21 52.578	-0.0013	12	-51 39 19.20	-0.015	12	0.81	52.639	63	04.6	18.50	57	04.6	B9	CZ	14707	P -51 9511
88	9.4	9.3W	21 58.585	0.0016	07	-55 29 37.86	0.003	07	0.18	58.567	15	38.5	37.90	18	38.5	A0	C9	6431	P -55 7536
89	9.6E	9.0Z	22 4.539	-0.0046	12	-50 57 51.84	-0.026	12	0.66	4.749	36	03.8	50.63	36	03.8	F8	CZ	14714	P -50 9376
90	10.2E	9.6Z	22 7.881	0.0006	12	-50 26 52.02	-0.009	12	0.71	7.853	45	04.0	51.60	45	04.0	A0	CZ	14715	P -50 9378
91	8.6E	8.5Z	22 11.610	-0.0008	12	-51 1 51.63	-0.014	12	0.71	11.644	45	04.0	50.99	45	04.0	A0	CZ	14718	P -50 9379
92	10.0E	9.6Z	22 12.019	-0.0012	12	-51 44 41.47	-0.007	12	0.81	12.076	63	04.6	41.12	57	04.6		CZ	14716	P -51 9516
93	7.9	8.1W	22 12.761	-0.0022	06	-55 42 30.91	-0.010	06	0.18	12.786	15	38.5	30.80	18	38.5	B8	C9	6432	P -55 7540
94	9.9E	9.2H	22 13.475	0.0020	12	-51 1 55.45	-0.032	12	0.71	13.381	45	04.0	53.97	45	04.0	A0	CZ	14719	P -50 9379
95	9.6	9.8W	22 14.419	0.0003	07	-54 7 58.65	-0.019	07	0.18	14.415	15	38.5	58.42	18	38.5	A0	C9	6433	P -53 7968
96	7.5	7.9W	22 16.714	0.0007	06	-56 46 17.44	-0.004	06	0.14	16.711	14	45.6	17.42	14	45.6	B8	C0	5218	P -56 7688
97	9.0E	9.5Z	22 20.577	-0.0008	12	-51 50 9.64	-0.010	12	0.65	20.617	31	02.0	9.18	31	02.0		CZ	14724	P -51 9519
98	8.3	8.7W	22 22.633	0.0014	07	-59 39 22.69	-0.016	07	0.14	22.627	14	45.6	22.62	14	45.6	B9	C0	5219	P -59 6735
99	9.6	7.9W	22 26.653	-0.0002	06	-53 19 9.39	-0.006	06	0.18	26.655	15	38.5	9.31	18	38.5	MA	C9	6434	P -53 7975
00	9.5E	9.4Z	22 28.085	0.0004	12	-50 34 3.82	-0.027	12	0.71	28.064	45	04.0	2.57	45	04.0		CZ	14729	P -50 9385

243800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	-50° 16H DM NUMBER
1	9.0	9.3W	16 22 28.477	-0.0023	07	-59 39 57.13	-0.025	07	0.14	28.487	14	45.6	57.02	14	45.6	B9	C0	5220	P -59 6737
2	10.1		22 29.014	-0.0010	15	-54 31 2.12	0.027	15	0.24	29.025	15	38.5	2.43	18	38.5	B5 O	C9	6435	P -54 7689
3	9.5E	9.5Z	22 29.877	-0.0007	12	-51 41 10.20	-0.015	12	0.81	29.911	63	04.6	9.54	57	04.6		CZ	14727	P -51 9526
4	9.7	9.9W	22 33.750	-0.0091	15	-54 39 56.61	0.001	15	0.24	33.855	15	38.5	56.63	18	38.5	B9 O	C9	6436	P -54 7691
5	9.5	9.8W	22 35.037	0.0000	07	-59 37 42.06	-0.009	07	0.14	35.037	14	45.6	42.02	14	45.6	A0 C0	C0	5221	P -59 6738
6	9.5	9.7W	22 36.530	0.0049	12	-59 28 29.75	-0.007	12	0.15	36.509	14	45.6	29.72	14	45.6	B9	C0	5222	P -59 6740
7	8.5	8.7W	22 37.191	0.0008	07	-59 39 13.79	-0.040	07	0.14	37.187	14	45.6	13.62	14	45.6	B9	C0	5223	P*-59 6739
8	8.4	8.7W	22 49.489	-0.0020	14	-59 23 18.67	0.011	14	0.15	49.499	14	45.6	18.72	14	45.6	B9	C0	5224	P -59 6741
9		7.5T	22 57.088	-0.0032	14	-58 0 32.29	-0.055	10	0.58	57.240	21	06.8	29.67	19	01.9	K0	GC	22087	P -57 8015
10	10.2	10.0W	22 58.471	-0.0043	14	-58 26 15.43	-0.001	14	0.15	58.490	14	45.6	15.42	14	45.6	A2	C0	5226	P -58 6793
11	7.8E	8.5Z	23 4.772	-0.0001	12	-51 1 45.05	-0.006	12	0.71	4.774	45	04.0	44.77	45	04.0	B9	CZ	14739	P -50 9395
12	10.0E	9.7Z	23 4.862	0.0001	12	-50 29 0.35	-0.011	12	0.71	4.857	45	04.0	-59.83	45	04.0	A0	CZ	14741	P -50 9397
13	7.8	7.9W	23 5.839	-0.0005	06	-54 51 8.95	-0.002	06	0.18	5.845	15	38.5	8.93	18	38.5	F0	C9	6437	P -54 7698
14	9.7E	8.7Z	23 8.457	-0.0001	12	-50 15 15.29	-0.024	12	0.71	8.461	45	04.0	14.18	45	04.0	K2	CZ	14744	P -50 9400
15	9.8E	9.5Z	23 9.771	-0.0007	12	-51 41 49.82	-0.014	12	0.81	9.805	63	04.6	49.21	57	04.6		CZ	14742	P -51 9539
16	10.1E	9.7Z	23 10.876	0.0014	12	-50 23 13.20	0.003	12	0.71	10.812	45	04.0	13.33	45	04.0	A5	CZ	14746	P -50 9401
17		8.7T	23 13.528	0.0066	13	-51 39 58.47	-0.016	12	0.66	13.205	22	01.0	57.66	22	98.5	F2	GC	22097	C -5110181
18	8.4	8.6W	23 17.973	-0.0002	07	-53 7 40.26	-0.012	07	0.18	17.975	15	38.5	40.11	18	38.5	B8	C9	6438	P -52 9838
19	9.9	10.1W	23 22.559	-0.0006	13	-56 9 20.30	0.024	13	0.15	22.562	14	45.6	20.41	14	45.6	B9	C0	5227	P -55 7550
20	9.0	9.3W	23 25.888	-0.0015	08	-52 32 28.67	-0.013	08	0.19	25.906	15	38.5	28.51	18	38.5	B9	C9	6439	P -52 9840
21	8.3E	8.8*	23 26.805	0.0010	12	-50 17 9.41	-0.013	12	0.64	26.758	31	02.5	8.78	28	02.5	B9	CZ	14749	P -50 9405
22	9.9	9.8W	23 29.681	-0.0016	12	-59 4 22.44	-0.004	12	0.15	29.689	14	45.6	22.42	14	45.6	A0	C0	5228	P -58 6796
23	9.0	9.2W	23 32.521	-0.0021	06	-54 0 3.44	-0.036	06	0.18	32.545	15	38.5	3.02	18	38.5	B5	C9	6440	P -53 7991
24	9.5E	8.7Z	23 34.994	-0.0010	12	-51 38 8.23	-0.007	12	0.81	35.041	63	04.6	7.93	57	04.6	K2	CZ	14750	P -51 9550
25	8.6	8.9W	23 35.293	-0.0033	07	-59 44 13.93	0.021	07	0.14	35.307	14	45.6	14.02	14	45.6	A0	C0	5229	P -59 6744
26	9.4	9.6W	23 35.399	-0.0007	15	-55 .0 52.13	0.006	15	0.24	35.407	15	38.5	52.20	18	38.5	B8	C9	6441	P -54 7701
27	8.2E	8.5Z	23 39.966	-0.0002	12	-50 57 56.94	-0.006	12	0.64	39.973	31	02.5	56.65	28	02.5	B8	CZ	14755	P -50 9410
28	9.4	9.7W	23 40.719	-0.0002	07	-57 58 23.99	-0.015	07	0.14	40.720	14	45.6	23.92	14	45.6	B9	C0	5230	P -57 8023
29	8.7	7.8W	23 41.266	-0.0051	07	-52 39 23.52	-0.061	07	0.18	41.326	15	38.5	22.81	18	38.5	K0	C9	6442	P -52 9847
30	7.9	8.3W	23 41.736	-0.0061	15	-52 21 54.92	-0.009	15	0.24	41.806	15	38.5	54.82	18	38.5	B9	C9	6443	P -52 9848
31	9.5	8.6W	23 47.054	-0.0001	15	-52 31 22.45	-0.029	15	0.24	47.055	15	38.5	22.11	18	38.5	K0	C9	6444	P -52 9852
32	9.9	9.8W	23 52.358	0.0072	07	-53 25 24.95	-0.012	07	0.18	52.275	15	38.5	24.81	18	38.5	B8 O	C9	6445	P -53 7997
33	10.2	9.1W	23 55.260	-0.0066	15	-52 20 54.67	-0.039	15	0.24	55.336	15	38.5	54.22	18	38.5	G3 O	C9	6446	P -52 9853
34	8.2	8.6W	23 55.788	0.0000	07	-59 49 3.58	0.011	07	0.14	55.788	14	46.1	3.62	14	46.1	B9	C0	4953	P -59 6746
35	9.2	9.1W	23 59.920	-0.0004	07	-56 2 27.52	-0.002	07	0.14	59.922	14	45.6	27.51	14	45.6	A5	C0	5232	P -55 7554
36		5.8T	24 1.230	-0.0040	08	-58 29 18.39	-0.039	06	0.31	1.396	12	13.2	16.77	12	08.0	B9	GC	22116	P -58 6800
37	9.8	9.2W	24 1.455	-0.0078	06	-53 30 11.76	-0.185	06	0.18	1.545	15	38.5	9.62	18	38.5	G2 O	C9	6448	P -53 8001
38	9.8	9.7W	24 3.290	0.0004	07	-58 33 59.44	-0.028	07	0.14	3.288	14	45.6	59.32	14	45.6	A5	C0	5234	P -58 6801
39	9.9	9.6W	24 7.625	-0.0027	15	-52 13 0.19	-0.015	15	0.24	7.656	15	38.5	0.02	18	38.5	F0	C9	6449	P -52 9859
40	7.4	7.8W	24 7.744	0.0007	06	-57 6 1.91	-0.020	06	0.14	7.741	14	45.6	1.82	14	45.6	A0	C0	5235	P -56 7703
41	10.0		24 8.262	-0.0011	15	-52 41 15.19	-0.024	15	0.24	8.276	15	38.5	14.91	18	38.5	A0 C9	C9	6450	P -52 9858
42	7.7E	8.5Z	24 18.033	-0.0002	12	-51 9 49.83	-0.011	12	0.81	18.040	63	04.6	49.33	57	04.6	B9	CZ	14769	P -50 9418
43	9.2E	9.7Z	24 18.750	-0.0008	12	-51 15 0.23	-0.014	12	0.81	18.784	63	04.6	-59.59	57	04.6	B9	CZ	14770	P -51 9571
44	8.5	8.6W	24 21.192	-0.0000	07	-56 17 12.82	-0.002	07	0.14	21.192	14	45.6	12.81	14	45.6	B5	C0	5236	P -56 7706
45	8.9	9.1W	24 25.823	0.0015	07	-55 48 3.12	-0.028	07	0.18	25.806	15	38.5	2.80	18	38.5	B9	C9	6451	P -55 7558
46	8.3E	8.5Z	24 26.505	-0.0012	12	-50 36 34.37	-0.018	12	0.71	26.558	45	04.0	33.53	45	04.0	A2	CZ	14771	P -50 9422
47	9.3	9.4W	24 26.966	0.0013	07	-56 58 27.99	-0.016	07	0.14	26.961	14	45.6	27.92	14	45.6	B9	C0	5237	P -56 7708
48	9.2	8.9W	24 27.668	0.0107	08	-56 34 3.31	0.001	08	0.14	27.621	14	45.6	3.32	14	45.6	G0	C0	5238	P -56 7710
49	10.2		24 30.659	-0.0014	15	-53 52 17.39	-0.015	15	0.24	30.675	15	38.5	17.22	18	38.5	A0 C9	C9	6452	P -53 8009
50	8.6	8.9W	24 31.773	0.0006	07	-57 47 40.31	-0.021	07	0.14	31.770	14	45.6	40.22	14	45.6	B3	C0	5239	P -57 8026
51	9.5	9.3W	16 24 35.099	-0.0005	07	-54 1 9.95	-0.012	07	0.18	35.105	15	38.5	9.82	18	38.5	A5 C9	C9	6453	P -53 8010
52	9.5	9.3W	24 35.116	-0.0011	09	-57 18 7.46	-0.010	09	0.15	35.121	14	45.6	7.42	14	45.6	A2	C0	5240	P -57 8028
53	8.8	9.1W	24 37.803	-0.0002	06	-54 5 29.89	0.002	06	0.18	37.805	15	38.5	29.92	18	38.5	B8	C9	6454	P -53 8012
54	9.4E	9.2Z	24 42.989	0.0004	12	-50 45 42.63	-0.017	12	0.71	42.969	45	04.0	41.85	45	04.0	A2	CZ	14777	P -50 9426
55	9.1	8.8W	24 51.395	-0.0057	14	-56 35 16.45	-0.076	14	0.15	51.421	14	45.6	16.12	14	45.6	F5	C0	5241	P -56 7716
56	10.2	8.5W	24 55.008	-0.0030	07	-57 25 11.61	-0.044	07	0.14	55.021	14	45.6	11.42	14	45.6	MB	C0	5242	P -57 8032
57	9.7E	9.5Z	24 58.288	-0.0024	12	-51 51 30.20	-0.024	12	0.81	58.399	63	04.6	29.13	57	04.6	A0	CZ	14783	P -51 9578
58	9.4	9.4W	24 59.250	-0.0013	06	-53 32 24.34	-0.019	06	0.18	59.265	15	38.5	24.12	18	38.5	A0	C9	6455	P -53 8017
59	9.2	9.2W	25 1.132	-0.0036	13	-59 28 22.32	-0.023	13	0.15	1.149	14	45.6	22.22	14	45.6	A2	C0	5243	P -59 6747
60	9.1	9.2W	25 3.987	-0.0035	07	-55 23 48.66	0.003	07	0.18	4.027	15	38.5	48.70	18	38.5	A0	C9	6456	P -55 7562
61	10.1	10.1W	25 5.184	-0.0011	13	-59 21 56.44	0.018	13	0.15	5.189	14	45.6	56.52	14	45.6	A0	C0	5244	P -59 6748
62	10.0	9.9W	25 8.328	-0.0028	11	-57 51 35.58	-0.013	11	0.15	8.340	14	45.6	35.52	14	45.6	A0	C0	5245	P -57 8033
63	10.1	10.0W	25 11.419	-0.0020	09	-59 14 58.36	-0.009	09	0.15	11.428	14	45.6	58.32	14	45.6	A0	C0	5246	P -59 6749
64	9.9E	9.8Z	25 15.737	-0.0031	12	-50 49 3.83	-0.023	12	0.71	15.878	45	04.0	2.77	45	04.0		CZ	14790	P -50 9431
65	9.4	9.2W	25 16.474	-0.0018	07	-54 54 23.22	-0.008	07	0.18	16.495	15	38.5	23.13	18	38.5	A2	C9	6457	P -54 7717
66	9.2	9.0W	25 19.707	0.0002	07	-54 26 41.06	0.005	07	0.18	19.705	15	38.5	41.12	18	38.5	F0	C9	6458	P -54 7719
67	9.4	8.5W	25 23.676	-0.0010	14	-56 41 21.69	-0.015	14	0.15	23.681	14	45.6	21.62	14	45.6	G5	C0	5247	P -56 7719
68	11.7E	10.2H	25 25.929	-0.0090	12	-51 25 58.24	-0.097	12	0.81	26.033	63	04.6	53.83	57	04.6	G	CZ	14792	P -51 9591
69	9.6E	9.0Z	25 26.197	-0.0101	12	-51 26 7.20	-0.101	12	0.81	26.654	63	04.6	2.60	57	04.6	G	CZ	14793	P -51 9591
70	9.2E	8.5Z	25 27.211	-0.0009	12	-51 13 46.89	-0.014	12	0.81	27.250	63	04.6	46.25	57	04.6		CZ	14794	P -51 9592
71	9.9E	9.5Z	25 29.503	-0.0014	12	-50 52 32.59	-0.020	12	0.71	29.565	45	04.0	31.66	45	04.0		CZ	14796	P -50 9434
72	9.1	9.4W	25 29.825	-0.0034	07	-58 10 20.93	-0.001	07	0.14	29.840	14	45.6	20.92	14	45.6	B9	C0	5248	P*-58 6809
73	7.4E	7.5Z	25 31.559	-0.0021	12	-51 27 30.91	-0.014	12	0.81	31.653	63	04.6	30.27	57	04.6	K0	CZ	14798	P -51 9595
74		6.0T	25 34.133	-0.0015	09	-57 38 48.87	0.015	07	0.42	34.207	15	02.5	49.60	14	99.4	K0	GC	22140	P -57 8035
75	9.6	9.5W	25 38.584	-0.0079	15	-53 7 58.06	0.005	15	0.24	38.676	15	38.5	58.11	18	38.5	B8	C9	6459	P -52 9879
76	9.9E	10.0Z	25 39.276	-0.0007	12	-51 36 25.69	-0.011	12	0.81	39.309	63	04.6	25.18	57	04.6		CZ	14802	P -51 9598
77	9.3	9.3W	25 42.123	0.0002	07	-56 28 10.47	-0.036	07	0.14	42.122	14	45.6	10.31	14	45.6	A2	C0	5250	P -56 7721
78	9.1E	9.5H	25 46.774	0.0016	12	-50 15 21.87	-0.006	12	0.71	46.701	45	04.0	21.58	45	04.0	A0	CZ	14807	P -50 9438
79	9.9E	9.5Z	25 49.552	0.0006	12	-50 31 49.40	-0.008	12	0.71	49.522	45	04.0	49.02	45	04.0		CZ	14808	P -50 9439
80		8.1T	25 52.518	-0.0001	12	-52 17 45.99	-0.026	11	0.57	52.523	18	06.4	44.71	18	00.5	K2	GC	22146	P -52 9884
81	9.1E	9.0Z	25 59.789	-0.0023	12	-51 10 13.74	-0.008	12	0.81	59.892	63	04.6	13.37	57	04.6	A0	CZ	14810	P -51 9605
82	9.6	9.8W	26 1.337	0.0097	15	-53 1 22.28	0.029	15	0.24	1.225	15	38.5	22.61	18	38.5	A0	C9	6461	P -52 9887
83	9.8	10.1W	26 2.936	0.0040	11	-59 4 38.27	0.010	11	0.15	2.918	14	45.6	38.32	14	45.6	A0	C0	5251	P -58 6814
84	10.2E	9.8Z	26 3.690	0.0007	12	-50 37 4.10	-0.007	12	0.71	3.655	45	04.0	3.77	45	04.0		CZ	14813	P -50 9443
85	8.8	8.7W	26 11.969	-0.0031	08	-52 55 13.25	-0.020	08	0.19	12.006	15	38.5	13.01	18	38.5	F0	C9	6462	P -52 9890
86	9.6	9.7W	26 12.950	-0.0039	15	-52 41 43.70	-0.016	15	0.24	12.995	15	38.5	43.51	18	38.5	B9	C9	6463	P -52 9893
87	9.2E	9.8Z	26 16.214	0.0003	12	-50 20 26.09	-0.012	12	0.71	16.201	45	04.0	25.53	45	04.0	A0	CZ	14817	P -50 9446
88	9.4E	10.0Z	26 19.510	-0.0008	12	-51 51 59.45	-0.014	12	0.81	19.548	63	04.6	58.83	57	04.6	A0	CZ	14816	P -51 9609
89	9.9		26 21.946	0.0020	13	-59 45 45.27	-0.011	13	0.15	21.933	14	45.6	45.22	14	45.6	B8 O	C0	5252	P -59 6757
90		7.2T	26 21.998	-0.0014	13	-52 19 56.19	-0.002	11	0.64	22.066	21	01.9	56.10	19	98.2	B9	GC	22160	P -52 9899
91	7.8	7.8W	26 22.205	0.0018	07	-59 50 33.13	-0.003	07	0.14	22.197	14	45.6	33.12	14	45.6	F0	C0	5253	P -59 6756
92	10.1	9.6W	26 22.262	-0.0011	15	-53 3 10.19	0.063	15	0.24	22.275	15	38.5	10.91	18	38.5	F8 C9	C9	6465	P*-52 9897
93	9.3E	9.0Z	26 25.862	0.0054	12	-51 1 2.65	-0.026	12	0.71	25.612	45	04.0	1.45	45	04.0	F8	CZ	14820	P -50 9448
94	10.0E	9.8Z	26 32.248	-0.0028	12	-51 18 54.00	-0.028	12	0.81	32.373	63	04.6	52.72	57	04.6		CZ	14822	P -51 9617
95	10.0	10.0W	26 34.933	-0.0016	12	-57 51 41.40	0.004	12	0.15	34.940	14	45.6	41.42	14	45.6	A0	C0	5254	P -57 8040
96	9.7	9.4W	26 40.547	-0.0043	15	-55 3 19.88	0.010	15	0.24	40.597	15	38.5	20.00	18	38.5	A0	C9	6466	P -54 7728
97	8.9	9.1W	26 49.223	-0.0012	07	-58 41 13.31	0.002	07	0.14	49.228	14	45.6	13.32	14	45.6	A0	C0	5255	P*-58 6819
98	9.5	9.6W	26 52.481	-0.0030	07	-53 26 29.06	-0.004	07	0.18	52.516	15	38.5	29.01	18	38.5	A0	C9	6467	P -53 8029
99	8.5	8.7W	26 53.267	-0.0011	07	-56 23 14.63	-0.004	07	0.14	53.272	14	45.6	14.61	14	45.6	B0	C0	5256	P -56 7729
00		7.7T	27 4.418	-0.0066	16	-50 51 46.87	-0.035	12	0.73	4.740	17	01.5	45.00	18	97.2	F0	GC	22176	C -5010608

243900			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 16H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	s	° ′ ″	″	″	″		s	s		″	″					
1	10.5	10.3W	16 27 6.447	-0.0032	13	-57 6 1.54	0.019	13	0.15		6.461	14	45.6	1.62	14	45.6	A5	C0	5257	P -56 7731
2	9.9	8.9W	27 10.138	-0.0015	07	-52 7 53.57	-0.005	07	0.18		10.156	15	38.5	53.52	18	38.5	K0	C9	6468	P -51 9626
3	9.3E	9.6Z	27 11.699	0.0008	12	-50 7 16.49	-0.008	12	0.71		11.663	45	04.0	16.11	45	04.0	A0	CZ	14845	P -49 9374
4	8.1E	8.0Z	27 16.285	-0.0003	12	-51 33 24.09	-0.020	12	0.65		16.301	31	02.0	23.13	31	02.0	B8	CZ	14841	P -51 9630
5	7.8	8.0W	27 18.360	0.0012	06	-55 49 57.70	-0.035	06	0.18		18.346	15	38.5	57.35	18	38.5	B9	C9	6469	P -55 7569
6	9.7E	10.0Z	27 21.312	-0.0009	12	-51 47 55.69	-0.019	12	0.81		21.354	63	04.6	54.81	57	04.6	A0	CZ	14842	P -51 9632
7	10.2	9.2W	27 21.761	-0.0056	15	-52 58 23.50	-0.016	15	0.24		21.826	15	38.5	23.31	18	38.5	G5	C9	6470	P -52 9918
8	9.6E	9.7Z	27 21.882	0.0017	12	-51 8 14.90	-0.013	12	0.81		21.803	63	04.6	14.31	57	04.6	A0	CZ	14844	P -50 9461
9	9.5E	8.5Z	27 27.529	-0.0010	12	-50 55 27.76	-0.036	12	0.65		27.573	36	04.2	26.11	36	04.2	K0	CZ	14847	P -50 9463
10	9.4	9.7W	27 28.539	-0.0025	09	-57 35 49.04	-0.004	09	0.15		28.550	14	45.6	49.02	14	45.6	B8	C0	5259	P -57 8047
11	9.3	9.5W	27 31.085	-0.0062	15	-52 26 17.33	-0.001	15	0.24		31.156	15	38.5	17.31	18	38.5	B8	C9	6471	P -52 9920
12	10.1	10.2W	27 39.876	-0.0048	13	-59 35 8.32	0.001	13	0.15		39.897	14	45.6	8.32	14	45.6	A0	C0	5260	P -59 6761
13	9.4	9.5W	27 40.726	-0.0009	07	-55 33 24.57	0.011	07	0.18		40.736	15	38.5	24.70	18	38.5	B9	C9	6472	P -55 7573
14	9.1E	9.5Z	27 42.202	0.0005	12	-50 4 23.18	-0.004	12	0.66		42.179	36	03.5	22.98	36	03.5	A0	CZ	14853	P -49 9385
15	8.8	8.9W	27 43.641	-0.0021	08	-54 57 30.00	0.019	08	0.19		43.665	15	38.5	30.23	18	38.5	B8	C9	6473	P -54 7736
16	9.9E	9.9Z	27 48.719	0.0004	12	-51 43 23.60	-0.012	12	0.70		48.703	45	04.6	23.08	45	04.6	A0	CZ	14854	P -51 9640
17	9.7E	9.7Z	27 49.503	-0.0002	12	-51 20 22.54	-0.010	12	0.70		49.510	45	04.6	22.08	45	04.6		CZ	14855	P -51 9641
18	8.6	8.1W	27 58.854	0.0008	06	-57 7 43.79	-0.015	06	0.14		58.851	14	45.6	43.72	14	45.6	G5	C0	5261	P -56 7736
19	9.9	9.9W	28 4.739	0.0019	07	-57 6 46.10	-0.017	07	0.14		4.731	14	45.6	46.02	14	45.6	A0	C0	5262	P -56 7737
20	10.1	9.1W	28 15.677	-0.0033	07	-52 24 35.81	-0.008	07	0.18		15.716	15	38.5	35.72	18	38.5	K0	C9	6474	P -52 9942
21	9.3	8.5W	28 18.544	-0.0009	07	-58 49 38.12	-0.022	07	0.14		18.548	14	45.6	38.02	14	45.6	K0	C0	5263	P -58 6824
22	9.5	9.4W	28 21.495	0.0011	07	-58 25 37.32	0.001	07	0.14		21.490	14	45.6	37.32	14	45.6	A2	C0	5264	P -58 6826
23	8.2E	7.8Z	28 25.248	-0.0011	12	-50 8 31.76	-0.012	12	0.71		25.299	45	04.0	31.20	45	04.0	K0	CZ	14869	P -49 9394
24	10.1	10.2W	28 25.613	-0.0040	14	-56 57 38.82	-0.022	14	0.15		25.631	14	45.6	38.72	14	45.6	B9	C0	5265	P -56 7739
25	8.5E	8.9*	28 28.877	0.0005	12	-50 26 8.72	-0.015	12	0.64		28.854	31	02.5	8.00	28	02.5	B9	CZ	14870	R -50 9475
26	8.9	9.1W	28 35.453	0.0016	07	-52 43 20.95	0.006	07	0.18		35.435	15	38.5	21.01	18	38.5	A0	C9	6475	P -52 9953
27	9.7	9.8W	28 35.867	0.0011	14	-56 28 34.19	0.005	14	0.15		35.862	14	45.6	34.21	14	45.6	B8	C0	5266	P -56 7741
28	9.9	9.7W	28 46.583	-0.0063	15	-52 31 22.61	0.035	15	0.24		46.655	15	38.5	23.01	18	38.5		C9	6476	P -52 9960
29	7.9	8.0W	28 50.680	-0.0022	07	-52 15 57.59	-0.006	07	0.18		50.706	15	38.5	57.52	18	38.5	B5	C9	6477	P -52 9965
30	9.5	9.5W	28 56.110	-0.0022	06	-54 45 51.40	0.020	06	0.18		56.135	15	38.5	51.63	18	38.5	B8	C9	6478	P -54 7739
31	8.7E	8.2Z	29 3.381	0.0018	12	-50 53 32.21	-0.013	12	0.71		3.296	45	04.0	31.61	45	04.0	K0	CZ	14879	P -50 9483
32	9.6	9.3W	29 5.197	-0.0008	07	-56 39 34.92	-0.022	07	0.14		5.201	14	45.6	34.82	14	45.6	A5	C0	5267	P -56 7747
33	8.6E	9.3Z	29 8.599	0.0004	12	-50 32 33.20	-0.014	12	0.71		8.578	45	04.0	32.54	45	04.0	B9	CZ	14881	P -50 9485
34	9.9E	9.6Z	29 12.762	0.0018	12	-51 53 6.65	-0.002	12	0.81		12.682	63	04.6	6.58	57	04.6	B9	CZ	14882	P -51 9654
35	9.7	10.0W	29 13.920	-0.0039	13	-53 0 35.12	-0.000	13	0.22		13.965	15	38.5	35.11	18	38.5	A0	C9	6479	P* -52 9977
36	10.1	10.2W	29 14.709	0.0019	14	-57 5 54.83	-0.003	14	0.15		14.701	14	45.6	54.82	14	45.6	B8	C0	5268	P -56 7752
37	10.4		29 14.728	-0.0006	15	-53 5 33.35	-0.012	15	0.24		14.736	15	38.5	33.21	18	38.5	A0	C9	6480	P -52 9978
38	9.8	10.1W	29 18.656	-0.0006	09	-59 7 58.96	0.014	09	0.15		18.658	14	45.6	59.02	14	45.6	B8	C0	5269	P -58 6829
39	9.1E	8.5Z	29 19.380	-0.0010	12	-51 20 58.00	-0.062	12	0.81		19.423	63	04.6	55.17	57	04.6	G0	CZ	14886	P -51 9659
40	8.5E	8.0Z	29 25.366	0.0028	12	-51 13 54.16	-0.026	12	0.81		25.257	63	04.6	52.97	57	04.6	K0	CZ	14889	P -51 9660
41	10.0	9.5W	29 31.534	-0.0016	07	-56 35 35.75	-0.053	07	0.14		31.541	14	45.6	35.52	14	45.6	F8	C0	5270	P -56 7757
42	9.2	9.4W	29 35.333	-0.0045	07	-53 14 4.11	0.009	07	0.18		35.386	15	38.5	4.21	18	38.5	B9	C9	6481	P -53 8046
43	9.7	9.9W	29 36.134	-0.0054	13	-58 57 19.90	0.006	13	0.15		36.158	14	45.6	19.92	14	45.6	B9	C0	5272	P -58 6830
44	10.1E	8.5Z	29 37.324	0.0006	12	-51 24 50.23	-0.012	12	0.81		37.295	63	04.6	49.68	57	04.6		CZ	14892	P -51 9662
45		6.7T	29 39.551	0.0008	12	-53 5 40.93	-0.044	10	0.59		39.514	21	02.4	38.59	18	96.9	G5	GC	22236	P -52 9995
46	8.2E	8.5Z	29 48.437	0.0003	12	-51 9 28.76	-0.034	12	0.81		48.421	63	04.6	27.21	57	04.6	B8	CZ	14898	P -50 9496
47		7.9T	29 52.179	-0.0010	13	-53 6 18.35	0.005	12	0.65		52.227	21	02.4	18.60	19	99.1	B0	GC	22241	P -52 9998
48	10.2E	9.7Z	29 54.149	-0.0003	12	-51 4 4.76	-0.018	12	0.71		54.160	45	04.0	3.92	45	04.0		CZ	14900	P -50 9498
49	9.9	9.7W	29 58.153	0.0006	07	-56 32 19.01	-0.021	07	0.14		58.151	14	45.6	18.92	14	45.6	A0	C0	5273	P -56 7760
50	9.3	8.6W	30 4.272	0.0013	08	-52 6 28.04	-0.014	08	0.19		4.257	15	38.5	27.88	18	38.5	G5	C9	6484	P -51 9672
51	10.0E	9.7Z	16 30 8.055	-0.0002	12	-51 38 15.04	-0.020	12	0.81		8.066	63	04.6	14.11	57	04.6	A2	CZ	14906	P -51 9679
52	9.7E	9.4Z	30 10.267	0.0012	12	-51 31 47.54	-0.015	12	0.81		10.213	63	04.6	46.85	57	04.6	A0	CZ	14908	P -51 9680
53	9.5	7.9W	30 17.218	-0.0025	07	-52 31 3.08	-0.026	07	0.18		17.247	15	38.5	2.78	18	38.5	K2	C9	6486	P -5210004
54	9.6	9.3W	30 17.911	0.0001	07	-57 18 11.93	-0.072	07	0.14		17.911	14	45.6	11.62	14	45.6	G0	C0	5274	P -57 8061
55	8.5E	8.5Z	30 20.256	0.0007	12	-51 24 47.24	-0.022	12	0.65		20.224	31	02.0	46.18	31	02.0	B9	CZ	14913	P -51 9684
56	9.5	9.3W	30 25.534	-0.0038	06	-53 27 30.26	-0.025	06	0.18		25.577	15	38.5	29.98	18	38.5	A0	C9	6487	P -53 8054
57	9.3	9.3W	30 29.716	-0.0005	07	-59 7 53.24	-0.005	07	0.14		29.718	14	45.6	53.22	14	45.6	A3	C0	5275	P -58 6835
58	9.0	8.8W	30 33.343	-0.0018	07	-57 20 42.69	-0.063	07	0.14		33.351	14	45.6	42.42	14	45.6	F5	C0	5276	P -57 8065
59	9.9	9.9W	30 34.045	0.0010	14	-56 54 37.64	-0.005	14	0.15		34.041	14	45.6	37.62	14	45.6	A0	C0	5277	P -56 7763
60	8.9	8.7W	30 47.844	-0.0032	07	-58 44 54.26	-0.056	07	0.14		47.858	14	45.6	54.02	14	45.6	F8	C0	5278	P -58 6836
61	9.5	9.8W	30 57.289	-0.0042	15	-52 35 49.87	0.009	15	0.24		57.337	15	38.5	49.98	18	38.5	A0	C9	6488	P* -5210012
62	9.1	9.0W	30 58.017	-0.0007	07	-55 40 28.37	-0.041	07	0.18		58.025	15	38.5	27.89	18	38.5	A2	C9	6489	P -55 7595
63		7.5T	31 0.736	-0.0001	15	-57 14 57.61	-0.016	10	0.59		0.740	19	07.2	56.83	18	02.1	K0	GC	22268	P -57 8069
64	9.1	9.1W	31 11.900	0.0001	07	-57 58 44.62	-0.023	07	0.14		11.900	14	45.6	44.52	14	45.6	B9	C0	5280	P* -57 8070
65		7.2T	31 21.946	-0.0012	15	-53 32 40.62	-0.025	11	0.66		22.002	21	03.3	39.33	19	97.7	B5	GC	22272	P -53 8064
66	9.4	10.0W	31 23.926	-0.0018	07	-52 17 40.09	-0.018	07	0.18		23.947	15	38.5	39.88	18	38.5	B9	C9	6491	P -5210019
67	9.2	9.5W	31 26.493	-0.0003	07	-55 27 39.94	-0.004	07	0.18		26.496	15	38.5	39.89	18	38.5	A0	C9	6492	P -55 7596
68	9.2	9.4W	31 29.394	-0.0011	08	-52 8 57.81	0.006	08	0.19		29.407	15	38.5	57.88	18	38.5	B8	C9	6493	P -51 9703
69	9.6	9.8W	31 30.074	-0.0011	07	-54 43 15.29	-0.008	07	0.18		30.087	15	38.5	15.19	18	38.5	B9	C9	6494	P -54 7759
70	9.8	9.9W	31 35.139	-0.0021	14	-58 44 25.83	0.019	14	0.15		35.148	14	45.6	25.91	14	45.6	B9	C0	5281	P -58 6837
71	9.4	9.0W	31 35.596	0.0043	07	-52 57 47.32	-0.004	07	0.18		35.547	15	38.5	47.27	18	38.5	G0	C9	6495	P -5210022
72	8.5	8.1W	31 46.020	-0.0095	07	-56 1 25.06	-0.080	07	0.14		46.061	14	45.6	24.71	14	45.6	G5	C0	5282	P -55 7598
73	10.1E	9.4H	31 49.994	-0.0004	12	-50 13 11.65	-0.013	12	0.71		50.011	45	04.0	11.05	45	04.0	A	CZ	14954	P -50 9520
74	9.9E	9.4H	31 50.719	-0.0005	12	-50 15 42.73	-0.013	12	0.64		50.742	31	02.5	42.11	28	02.5	A0	CZ	14955	P -50 9521
75	9.9	8.8W	31 52.600	-0.0171	07	-53 39 5.05	-0.231	07	0.18		52.797	15	38.5	2.38	18	38.5	K2	C9	6497	P -53 8069
76	8.2	8.4W	31 56.256	-0.0018	07	-53 52 53.77	-0.007	07	0.18		56.277	15	38.5	53.68	18	38.5	B8	C9	6498	P -53 8070
77	9.7	8.5W	32 1.307	-0.0035	07	-53 1 50.16	0.002	07	0.18		1.347	15	38.5	50.18	18	38.5	K0	C9	6499	P -5210033
78	9.9	9.8W	32 12.874	-0.0003	07	-52 42 36.23	0.056	07	0.18		12.877	15	38.5	36.88	18	38.5	A2	C9	6500	P* -5210034
79	9.9	9.8W	32 13.254	0.0024	07	-55 27 19.37	-0.024	07	0.18		13.226	15	38.5	19.09	18	38.5	F2	C9	6501	P -55 7602
80		7.4T	32 14.129	0.0008	16	-51 8 16.75	-0.013	12	0.73		14.089	19	00.6	16.07	18	97.5	B8	GC	22291K	C* -5010678
81	9.1	9.3W	32 19.588	0.0036	07	-54 46 22.92	0.007	07	0.18		19.547	15	38.5	22.99	18	38.5	B8	C9	6502	P -54 7764
82	9.1	8.2W	32 26.342	-0.0004	08	-51 57 42.82	-0.021	08	0.19		26.347	15	38.5	42.58	18	38.5	K0	C9	6503	P -51 9714
83	9.0	8.1W	32 26.526	-0.0018	07	-54 6 57.07	-0.042	07	0.18		26.547	15	38.5	56.58	18	38.5	K0	C9	6504	P -53 8076
84	9.5	8.4W	32 42.964	0.0006	06	-53 49 11.58	-0.008	06	0.18		42.957	15	38.5	11.48	18	38.5	K0	C9	6505	P -53 8079
85	10.0E	9.7Z	32 45.019	0.0004	12	-51 52 24.16	-0.001	12	0.81		45.002	63	04.6	24.09	57	04.6		CZ	14976	P -51 9722
86	9.8	8.7W	32 46.174	0.0025	07	-55 49 54.39	-0.027	07	0.18		46.145	15	38.5	54.09	18	38.5	K2	C9	6506	P -55 7607
87	10.1	10.1W	32 48.009	-0.0042	15	-52 44 13.65	-0.006	15	0.24		48.057	15	38.5	13.58	18	38.5	A3	C9	6507	P -5210043
88	8.6	6.9W	32 54.767	0.0000	07	-54 53 2.00	0.034	07	0.18		54.767	15	38.5	2.39	18	38.5	K2	C9	6508	P -54 7765
89	10.1	9.3W	32 58.161	-0.0115	07	-56 27 9.75	-0.190	07	0.14		58.211	14	45.6	8.91	14	45.6	G5	C0	5283	P -56 7780
90	8.9E	8.5Z	32 58.910	0.0009	12	-51 51 26.83	-0.030	12	0.65		58.867	31	02.0	25.37	31	02.0	B8	CZ	14980	P -51 9729
91	9.9	10.2W	33 3.385	-0.0011	11	-57 52 33.67	0.010	11	0.15		3.390	14	45.6	33.72	14	45.6	B9	C0	5284	P -57 8078
92	8.8	8.9W	33 7.087	-0.0003	07	-59 9 42.37	-0.057	07	0.14		7.088	14	45.6	42.12	14	45.6	A0	C0	5285	P -59 6779
93	9.9		33 7.826	-0.0062	15	-52 32 17.07	0.027	15	0.24		7.897	15	38.5	17.38	18	38.5	A0	C9	6509	P -5210050
94	8.5	6.9W	33 13.993	-0.0012	07	-52 16 50.80	-0.054	07	0.18		14.007	15	38.5	50.18	18	38.5	MA	C9	6510	P -5210051
95	8.8	9.1W	33 17.925	-0.0002	05	-54 46 43.31	-0.002	05	0.18		17.927	15	38.5	43.29	18	38.5	B8	C9	6511	P -54 7766
96	7.9	8.2W	33 22.124	0.0032	07	-53 40 32.85	-0.006	07	0.18		22.087	15	38.5	32.78	18	38.5	B8	C9	6512	P* -53 8091
97	9.5	9.7W	33 23.462	-0.0039	07	-53 13 22.47	0.027	07	0.18		23.507	15	38.5	22.78	18	38.5	B9	C9	6513	P -53 8092
98	9.5	9.6W	33 30.799	-0.0019	07	-59 6 31.71	-0.044	07	0.14		30.798	14	45.6	31.52	14	45.6	A5	C0	5286	P -58 6842
99		9.1T	33 35.567	0.0007	17	-52 5 59.09	-0.011	13	0.77		35.533	24	03.5	58.50	21	98.2	F5	GC	22325	C -5110350
00	10.3E	9.0Z	33 36.823	-0.0010	12	-50 44 23.72	-0.016	12	0.65		36.871	36	04.2	22.99	36	04.2		CZ	14992	P -50 9541

244000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 16H DM NUMBER
1	10.0E	9.0Z	16 33 40.258	0.0009	12	-50 41 16.09	-0.007	12	0.62	40.218	28	03.0	15.76	26	03.0		CZ	14995	P -50 9542
2	7.0	7.5W	33 43.056	-0.0004	07	-58 31 50.28	-0.016	07	0.14	43.058	14	45.6	50.22	14	45.6	B8	CO	5287	P -58 6844
3	7.4	7.8W	33 47.090	-0.0006	06	-54 45 30.26	-0.032	06	0.18	47.097	15	38.5	29.89	18	38.5	B8	C9	6515	P -54 7769
4	9.8	9.4W	33 57.647	0.0035	13	-56 0 53.20	-0.044	13	0.15	57.632	14	45.6	53.01	14	45.6	F8	CO	5288	P -55 7621
5	10.0	9.1W	34 5.966	0.0025	15	-52 34 49.56	0.028	15	0.24	5.937	15	38.5	49.88	18	38.5	K0	C9	6517	P -5210061
6	8.5	8.7W	34 8.879	0.0021	07	-58 7 57.36	-0.011	07	0.14	8.870	14	45.6	57.32	14	45.6	B9	CO	5289	P -57 8085
7	9.3	9.5W	34 9.547	0.0000	06	-54 43 7.14	0.005	06	0.18	9.547	15	38.5	7.19	18	38.5	A0	C9	6518	P -54 7772
8		8.6T	34 9.564	-0.0013	18	-51 26 16.05	-0.008	14	0.82	9.623	24	03.6	15.65	21	99.3	K0	GC	22329	C -5110360
9	10.2E	9.5Z	34 18.379	0.0013	12	-51 21 47.63	0.005	12	0.81	18.319	63	04.6	47.87	57	04.6	A	CZ	15003	P -51 9763
10	9.3	8.8W	34 19.070	0.0111	07	-57 22 13.49	0.006	07	0.14	19.021	14	45.6	13.52	14	45.6	G5	CO	5290	P -57 8088
11	8.6	8.6W	34 19.487	0.0015	07	-56 50 21.25	-0.009	07	0.14	19.481	14	45.6	21.22	14	45.6	A5	CO	5291	P -56 7794
12	9.6E	8.5Z	34 20.979	-0.0003	12	-51 47 22.93	-0.004	12	0.81	20.994	63	04.6	22.74	57	04.6	K0	CZ	15005	P -51 9764
13	9.8	9.9W	34 23.858	-0.0034	15	-53 11 52.47	-0.034	15	0.24	23.897	15	38.5	52.08	18	38.5	A0	C9	6519	P -53 8098
14	9.6E	9.5H	34 26.398	0.0020	12	-50 17 12.73	-0.004	12	0.70	26.309	45	04.5	12.55	45	04.5	A0	CZ	15012	P -50 9546
15	9.2	9.2W	34 31.739	-0.0040	07	-59 35 5.80	-0.021	07	0.14	31.757	14	45.6	5.71	14	45.6	F0	CO	5292	P -59 6789
16	10.0E	10.0Z	34 36.666	0.0008	12	-51 44 38.06	-0.006	12	0.81	36.631	63	04.6	37.78	57	04.6	B9	CZ	15015	P -51 9768
17	9.1	9.2W	34 39.334	0.0031	14	-57 1 8.82	0.000	14	0.15	39.321	14	45.6	8.82	14	45.6	B9	CO	5293	P -56 7796
18	9.8	9.1W	34 39.942	0.0025	07	-56 50 18.24	-0.029	07	0.14	39.931	14	45.6	18.11	14	45.6	G0	CO	5294	P -56 7797
19	9.9		34 46.571	-0.0031	15	-52 46 46.24	0.038	15	0.24	46.607	15	38.5	46.68	18	38.5	A0	C9	6520	P -5210074
20	10.0E	10.0Z	34 49.945	0.0001	12	-51 25 26.42	-0.004	12	0.81	49.939	63	04.6	26.24	57	04.6		CZ	15023	P -51 9778
21		7.0T	34 50.931	-0.0306	09	-58 9 20.19	-0.287	11	0.51	52.424	21	02.2	6.19	19	01.2	G0	GC	22346	P -57 8091
22	8.4	8.8W	35 3.426	0.0009	06	-56 7 34.17	0.009	06	0.14	3.421	14	45.6	34.21	14	45.6	B8	CO	5296	P -55 7629
23	9.3E	9.0Z	35 5.058	-0.0028	12	-50 43 49.76	-0.071	12	0.70	5.184	45	04.5	46.54	45	04.5	F5	CZ	15027	P -50 9556
24		7.5T	35 6.987	0.0005	18	-52 22 18.51	-0.009	13	0.76	6.963	22	06.0	18.06	21	02.0	A0	GC	22355	P -5210080
25	8.3	8.2W	35 15.749	-0.0048	07	-57 37 5.27	-0.036	07	0.14	15.770	14	45.6	5.12	14	45.6	F5	CO	5298	P -57 8093
26	9.6	9.2W	35 17.360	0.0029	06	-54 36 26.29	0.017	06	0.18	17.327	15	38.5	26.49	18	38.5	G0	C9	6523	P -54 7778
27	8.6	9.0W	35 18.583	-0.0012	07	-52 20 5.99	-0.010	07	0.18	18.597	15	38.5	5.88	18	38.5	B9	C9	6524	P -5210084
28	10.4		35 18.854	-0.0011	14	-51 57 55.17	0.027	14	0.23	18.864	15	38.5	55.48	18	38.5	A5	C9	6525	P -51 9784
29	9.9	8.7W	35 21.418	-0.0017	07	-53 16 27.68	-0.044	07	0.18	21.437	15	38.5	27.18	18	38.5	K0	C9	6526	P -53 8110
30	10.2E	9.5Z	35 22.382	0.0019	12	-50 20 17.46	0.000	12	0.70	22.297	45	04.5	17.46	45	04.5		CZ	15037	P -50 9559
31	10.0	8.9W	35 24.958	0.0016	14	-56 30 47.52	-0.023	14	0.15	24.950	14	45.6	47.42	14	45.6	K0	CO	5299	P -56 7800
32	8.9	9.2W	35 28.307	-0.0009	07	-52 26 16.16	0.010	07	0.18	28.317	15	38.5	16.28	18	38.5	B2	C9	6527	P -5210092
33	9.4	8.4W	35 30.476	-0.0034	06	-56 50 10.91	-0.021	06	0.14	30.461	14	45.6	10.81	14	45.6	K2	CO	5300	P -56 7802
34	9.2E	9.5Z	35 33.156	0.0012	12	-51 48 55.80	0.005	12	0.81	33.103	63	04.6	55.56	57	04.6	B8	CZ	15039	P -51 9791
35	8.5E	8.0Z	35 33.179	-0.0001	12	-51 43 40.19	-0.016	12	0.81	33.185	63	04.6	39.45	57	04.6	K2	CZ	15040	P -51 9792
36	9.2	8.6W	35 33.627	-0.0061	07	-53 15 46.27	-0.095	07	0.18	33.697	15	38.5	45.17	18	38.5	G5	C9	6528	P -53 8111
37		6.8I	35 34.799	-0.0010	14	-56 53 45.99	-0.005	10	0.64	34.851	21	03.1	45.71	18	97.8	B9	GC	22364V	P*-56 7804
38	9.8	9.4W	35 36.239	-0.0026	07	-58 13 3.15	-0.077	07	0.14	36.250	14	45.6	2.82	14	45.6	G0	CO	5302	P -58 6854
39	9.8	10.0W	35 39.241	0.0030	13	-59 12 57.27	0.011	13	0.15	39.228	14	45.6	57.31	14	45.6	A0	CO	5303	P -59 6798
40	9.8	8.1W	35 40.699	-0.0007	07	-52 19 10.63	-0.022	07	0.18	40.707	15	38.5	10.38	18	38.5	K2	C9	6529	P -5210093
41	9.1E	9.0Z	35 49.119	0.0011	12	-51 25 57.37	-0.001	12	0.81	49.067	63	04.6	57.34	57	04.6	A0	CZ	15049	P -51 9799
42	8.4E	8.2Z	35 52.587	0.0110	12	-51 53 45.84	-0.061	12	0.65	52.061	31	02.0	42.90	31	02.0	G0	CZ	15050	P -51 9801
43	9.1	9.3W	35 52.822	-0.0022	07	-52 6 16.96	-0.007	07	0.18	52.847	15	38.5	16.88	18	38.5	A0	C9	6530	P -51 9800
44	9.8E	9.0Z	35 53.317	0.0123	12	-51 54 5.43	-0.048	12	0.81	52.760	63	04.6	3.24	57	04.6		CZ	15051	P -51 9802
45		6.9T	35 54.546	0.0039	15	-50 6 52.09	-0.006	13	0.73	54.358	19	01.2	51.78	18	98.6	K0	GC	22371	C -4910859
46	9.3	7.8W	35 55.091	-0.0022	09	-57 12 26.17	-0.013	09	0.15	55.101	14	45.6	26.12	14	45.6	K5	CO	5304	P -57 8098
47	9.0	9.1W	35 55.819	-0.0007	0e	-52 1 23.47	0.001	08	0.19	55.827	15	38.5	23.48	18	38.5	B9	C9	6531	P -51 9804
48	9.1	9.3W	36 3.463	0.0005	07	-53 53 33.35	-0.006	07	0.18	3.457	15	38.5	33.28	18	38.5	B8	C9	6532	P -53 8117
49	9.5	8.6W	36 9.826	-0.0018	07	-53 28 34.44	0.003	07	0.18	9.847	15	38.5	34.47	18	38.5	F5	C9	6533	P -53 8120
50	10.0	9.7W	36 13.822	0.0032	09	-58 37 45.20	-0.043	09	0.15	13.808	14	45.6	45.01	14	45.6	F8	CO	5305	P -58 6860
51	8.8	9.2W	16 36 19.025	-0.0007	07	-58 59 29.85	-0.009	07	0.14	19.028	14	45.6	29.82	14	45.6	B9	CO	5306	P -58 6862
52	10.3		36 22.539	-0.0024	13	-52 29 41.34	-0.023	13	0.22	22.567	15	38.5	41.08	18	38.5	A0	C9	6534	P -5210104
53		8.1T	36 35.870	-0.0024	15	-54 2 23.65	-0.017	11	0.66	35.980	21	04.1	22.81	19	99.5	B5	GC	22386	P -53 8122
54	9.2	9.5W	36 36.632	0.0014	15	-55 37 35.04	0.056	15	0.24	36.615	15	38.5	35.69	18	38.5	B9	C9	6536	P -55 7639
55		7.5T	36 38.187	-0.0034	11	-58 46 18.19	-0.031	08	0.50	38.367	19	03.4	16.55	17	97.1	F0	GC	22387	P -58 6864
56	8.0	8.4W	36 38.831	-0.0002	07	-56 8 40.37	0.009	07	0.14	38.831	14	45.6	40.41	14	45.6	B8	CO	5308	P -55 7638
57	9.5	9.6W	36 46.596	-0.0001	07	-53 44 58.75	0.003	07	0.18	46.597	15	38.5	58.78	18	38.5	B8	C9	6537	P -53 8125
58		6.5T	36 51.994	0.0023	12	-51 23 0.56	-0.127	10	0.62	51.878	22	00.0	7.67	19	94.0	A5	GC	22392	C -5110403
59	10.3	8.9W	36 54.446	0.0017	07	-52 28 58.32	-0.021	07	0.18	54.427	15	38.5	58.08	18	38.5	K2	C9	6538	P -5210114
60	9.9E	9.0Z	37 8.400	0.0013	12	-50 44 34.47	-0.004	12	0.70	8.340	45	04.5	34.30	45	04.5		CZ	15090	P -50 9571
61	9.9E	9.9Z	37 8.649	0.0012	12	-51 41 37.11	-0.007	12	0.81	8.596	63	04.6	36.78	57	04.6		CZ	15088	P -51 9819
62	9.0	9.1W	37 10.201	0.0009	09	-59 50 49.16	0.016	09	0.14	10.198	14	46.6	49.22	14	46.6	A2	CO	5031	P -59 6803
63			37 15.674	-0.0046	07	-55 12 5.77	0.002	07	0.18	15.726	15	38.5	5.79	18	38.5	MB	C9	6539V	P*-55 7643
64	9.7	9.4W	37 20.333	0.0005	07	-53 40 39.45	0.003	07	0.18	20.327	15	38.5	39.48	18	38.5	F8	C9	6540	P -53 8131
65	10.2E	9.9H	37 21.528	-0.0014	12	-50 0 45.03	-0.026	12	0.70	21.593	45	04.5	43.85	45	04.5		CZ	15092	P -49 9520
66		7.9T	37 25.134	-0.0009	12	-51 18 1.19	-0.002	10	0.55	25.174	17	04.6	1.09	17	97.9	A0	GC	22413	C -5110410
67	9.7	10.0W	37 29.046	0.0019	10	-59 14 18.11	-0.021	10	0.15	29.038	14	45.6	18.01	14	45.6	B9	CO	5310	P -59 6804
68	9.4	9.1W	37 34.907	-0.0048	07	-59 0 43.35	-0.098	07	0.14	34.928	14	45.6	42.92	14	45.6	F8	CO	5311	P -58 6870
69	8.0	8.4W	37 44.674	0.0008	07	-56 48 30.92	-0.025	07	0.14	44.671	14	45.6	30.82	14	45.6	B9	CO	5312	P -56 7816
70	9.0	7.7W	37 46.212	-0.0004	07	-54 47 38.77	-0.007	07	0.18	46.217	15	38.5	38.69	18	38.5	K2	C9	6541	P -54 7806
71	8.6	8.1W	37 48.127	0.0000	07	-54 39 7.73	-0.160	07	0.18	48.127	15	38.5	5.89	18	38.5	G5	C9	6542	P -54 7807
72	8.6	8.8W	37 53.914	0.0006	06	-54 1 53.25	0.003	06	0.18	53.907	15	38.5	53.28	18	38.5	B9	C9	6543	P -53 8136
73	10.1	10.1W	37 55.820	-0.0001	14	-56 55 11.12	-0.024	14	0.15	55.821	14	45.6	11.01	14	45.6	B9	CO	5313	P -56 7817
74	9.8	8.8W	38 8.829	0.0028	15	-55 27 45.56	0.003	15	0.24	8.796	15	38.5	45.59	18	38.5	K0	C9	6544	P -55 7650
75	10.0	10.1W	38 14.953	0.0033	11	-58 47 34.34	-0.006	11	0.15	14.938	14	45.6	34.32	14	45.6	B9	CO	5314	P -58 6871
76	9.3	7.7W	38 18.402	0.0003	06	-56 42 17.82	-0.023	06	0.14	18.400	14	45.6	17.72	14	45.6	K5	CO	5315	P -56 7821
77	8.2	8.3W	38 21.332	0.0022	07	-55 3 51.88	-0.007	07	0.18	21.356	15	38.5	51.79	18	38.5	F0	C9	6545	P -54 7810
78		8.0T	38 21.430	-0.0052	14	-54 4 42.56	-0.005	11	0.65	21.674	21	03.0	42.33	19	99.1	K2	GC	22437	P -53 8139
79	10.1	9.7W	38 22.696	0.0060	06	-53 53 57.96	0.037	06	0.18	22.627	15	38.5	58.38	18	38.5	G3	C9	6547	P -53 8140
80		8.0T	38 25.191	0.0004	15	-55 44 56.58	0.007	11	0.66	25.171	21	04.2	56.91	19	99.7	A0	GC	22440	P -55 7653
81	8.5	8.6W	38 27.621	0.0007	07	-58 51 24.41	0.001	07	0.14	27.618	14	45.6	24.42	14	45.6	A5	CO	5316	P -58 6873
82	9.8E	9.5Z	38 27.746	-0.0001	12	-51 28 18.55	-0.013	12	0.81	27.749	63	04.6	17.97	57	04.6	A5	CZ	15121	P -51 9849
83	9.6E	10.0Z	38 45.174	-0.0010	12	-51 51 8.26	0.004	12	0.81	45.221	63	04.6	8.43	57	04.6	A2	CZ	15124	P -51 9851
84	7.8	8.2W	38 49.091	-0.0020	07	-58 22 36.13	-0.003	07	0.14	49.100	14	45.6	36.12	14	45.6	B8	CO	5317	P -58 6875
85	9.5	9.2W	38 53.548	-0.0068	15	-56 5 21.73	-0.229	15	0.24	53.625	15	38.5	19.09	18	38.5	G0	C9	6549	P*-55 7659
86	8.7E	9.0Z	38 57.640	0.0012	12	-50 22 15.94	-0.004	12	0.64	57.584	31	02.8	15.76	28	02.8	B9	CZ	15131	P -50 9592
87	8.4	8.6W	38 58.662	-0.0014	07	-59 6 47.94	-0.006	07	0.14	58.668	14	45.6	47.92	14	45.6	A0	CO	5318	P -58 6876
88	8.8	8.5W	39 6.602	-0.0039	07	-54 41 10.94	-0.066	07	0.18	6.647	15	38.5	10.19	18	38.5	F8	C9	6550	P -54 7818
89	8.7	8.9W	39 6.721	-0.0005	07	-53 44 3.58	0.009	07	0.18	6.727	15	38.5	3.68	18	38.5	B5	C9	6551	P -53 8147
90	9.8	8.3W	39 25.660	0.0020	07	-54 11 26.08	-0.034	07	0.18	25.637	15	38.5	25.68	18	38.5	K5	C9	6552	P -54 7820
91	9.1E	9.2H	39 34.867	0.0018	12	-50 1 19.98	-0.011	12	0.65	34.786	36	04.6	19.49	36	04.6	B5	CZ	15151	P -49 9552
92	9.1E	8.5Z	39 37.926	0.0019	12	-50 23 14.70	0.016	12	0.63	37.845	36	06.5	15.40	36	06.5	F5	CZ	15153	P -50 9596
93	8.1	8.4W	39 44.404	-0.0033	07	-59 22 51.09	0.028	07	0.14	44.418	14	45.6	51.22	14	45.6	A0	CO	5319	P -59 6812
94	8.7	8.9W	39 48.015	-0.0002	08	-51 56 7.85	-0.024	08	0.19	48.017	15	38.5	7.58	18	38.5	A2	C9	6553	P -51 9867
95	8.8	8.5W	39 50.493	0.0014	07	-53 23 54.81	-0.029	07	0.18	50.477	15	38.5	54.48	18	38.5	A0	C9	6554	P -53 8153
96	9.6	9.7W	39 56.879	-0.0007	07	-53 35 46.94	-0.022	07	0.18	56.887	15	38.5	46.68	18	38.5	B5	C9	6555	P*-53 8155
97	9.0	8.7W	39 59.269	0.0002	07	-53 8 37.34	-0.014	07	0.18	59.267	15	38.5	37.17	18	38.5	A2	C9	6556	P -5210154
98	8.2	8.0W	39 59.380	0.0024	06	-58 28 30.30	-0.088	06	0.14	59.370	14	45.6	29.92	14	45.6	F8	CO	5320	P -58 6879
99	9.8	8.3W	40 1.011	0.0003	07	-52 48 15.25	-0.006	07	0.18	1.007	15	38.5	15.18	18	38.5	K0	C9	6557	P -5210155
00	9.3	9.2W	40 8.468	0.0016	14	-56 40 31.58	0.008	14	0.15	8.460	14	45.6	31.62	14	45.6	A0	CO	5321	P -56 7831

244100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-50° 16H DM NUMBER
1	10.2		16 40 20.908	0.0022	12	-58 39 1.52	0.000	12	0.15	20.898	14	45.6	1.52	14	45.6	B9	O	C0	5322	P -58 6681
2	9.4	9.4W	40 30.969	-0.0016	07	-54 10 19.40	-0.010	07	0.18	30.987	15	38.5	19.28	18	38.5	A0		C9	6558	P -54 7832
3	9.2	9.6W	40 35.316	0.0014	07	-58 25 27.41	-0.022	07	0.14	35.310	14	45.6	27.32	14	45.6	B9		C0	5323	P -58 6682
4	9.4	9.5W	40 39.461	0.0003	07	-58 20 30.68	-0.014	07	0.14	39.460	14	45.6	30.61	14	45.6	B9		C0	5324	P -58 6683
5	9.2	9.3W	40 41.417	0.0009	07	-51 54 46.59	-0.018	07	0.18	41.407	15	38.5	46.38	18	38.5	A0		C9	6559	P -51 9877
6		6.0T	40 42.024	-0.0010	10	-53 3 35.38	-0.004	09	0.53	42.073	21	99.5	35.18	19	95.1	K0		GC	22493K	P -5210161
7	9.0E	9.0Z	40 55.208	0.0015	12	-50 30 7.12	-0.015	12	0.61	55.139	31	04.8	6.44	28	04.8	A0		CZ	15192	P -50 9615
8	7.6	8.0W	40 56.402	0.0032	06	-55 37 37.60	-0.010	06	0.18	56.365	15	38.5	37.49	18	38.5	B8		C9	6561	P -55 7676
9	9.9	9.8W	40 57.091	0.0003	07	-52 59 25.86	-0.007	07	0.18	57.087	15	38.5	25.78	18	38.5	A3		C9	6562	P -5210166
10	9.0	9.1W	40 58.613	0.0014	07	-55 9 11.93	-0.012	07	0.18	58.596	15	38.5	11.79	18	38.5	A0		C9	6563	P -55 7677
11	9.6	9.9W	41 10.020	0.0001	14	-58 13 17.75	-0.007	14	0.15	10.020	14	45.6	17.72	14	45.6	B8		C0	5325	P -58 6684
12	9.8	9.8W	41 13.497	-0.0026	07	-53 51 11.85	-0.014	07	0.18	13.527	15	38.5	11.68	18	38.5	B3		C9	6564	P -53 8160
13	9.2	9.5W	41 14.116	-0.0006	07	-58 48 42.28	-0.014	07	0.14	14.118	14	45.6	42.21	14	45.6	B8		C0	5326	P -58 6685
14	9.2	9.3W	41 15.403	0.0004	07	-57 4 0.49	-0.018	07	0.14	15.401	14	45.6	0.42	14	45.6	A0		C0	5327	P -56 7839
15	9.9	10.0W	41 28.238	0.0001	07	-54 51 0.74	-0.022	07	0.18	28.237	15	38.5	0.49	18	38.5	A0	O	C9	6565	P -54 7835
16	9.9	10.2W	41 32.216	-0.0018	07	-53 41 44.74	-0.013	07	0.18	32.237	15	38.5	44.58	18	38.5	A0		C9	6566	P -53 8162
17	10.0E	8.5Z	41 36.673	0.0011	12	-50 58 27.84	0.002	12	0.61	36.622	31	04.8	27.94	28	04.8	K5		CZ	15213	P -50 9623
18	10.3	8.7W	41 39.308	0.0018	07	-52 0 45.89	0.008	07	0.18	39.287	15	38.5	45.97	18	38.5	K2		C9	6567	P -51 9895
19	9.7	9.8W	41 48.817	0.0045	15	-56 1 28.70	-0.122	15	0.24	48.765	15	38.5	27.29	18	38.5	A0		C9	6568	P -55 7680
20	9.9	9.5W	41 50.596	-0.0010	07	-52 47 39.19	-0.036	07	0.18	50.607	15	38.5	38.78	18	38.5	F2		C9	6569	P -5210177
21	9.2	9.3W	41 52.091	0.0000	07	-56 52 7.80	-0.020	07	0.14	52.091	14	45.6	7.72	14	45.6	B8		C0	5328	P -56 7842
22		5.9T	42 4.451	-0.0003	08	-58 24 47.11	-0.016	07	0.32	4.462	12	12.4	46.47	12	09.0	B3		GC	22524	P*-58 6889
23	10.3		42 10.672	-0.0013	14	-52 2 18.43	0.004	14	0.23	10.687	15	38.5	18.48	18	38.5	B8	O	C9	6570	P -51 9905
24	9.2	9.5W	42 14.912	0.0002	07	-57 23 31.71	-0.021	07	0.14	14.911	14	45.6	31.62	14	45.6	B9		C0	5330	P -57 8118
25	9.5	9.7W	42 16.778	-0.0030	14	-56 12 25.94	0.015	14	0.15	16.791	14	45.6	26.01	14	45.6	B8		C0	5331	P -56 7847
26	8.9	9.0W	42 21.371	0.0012	08	-52 7 38.28	-0.009	08	0.19	21.357	15	38.5	38.18	18	38.5	B3		C9	6571	P -51 9908
27	9.7	8.5W	42 21.596	-0.0051	07	-58 57 9.19	-0.018	07	0.14	21.618	14	45.6	9.12	14	45.6	K2		C0	5332	P -58 6890
28	9.9	8.7W	42 29.627	-0.0009	07	-54 11 6.12	-0.011	07	0.18	29.637	15	38.5	5.98	18	38.5	K2		C9	6572	P -54 7841
29	9.3	9.6W	42 40.491	0.0002	07	-57 15 3.20	-0.019	07	0.14	40.491	14	45.6	3.12	14	45.6	B9		C0	5334	P -57 8120
30	9.7	9.9W	42 54.505	0.0043	11	-59 40 46.78	0.008	11	0.15	54.487	14	45.6	46.82	14	45.6	A0		C0	5335	P -59 6824
31	10.3	9.2W	43 1.343	-0.0012	07	-52 17 55.16	-0.025	07	0.18	1.357	15	38.5	54.88	18	38.5	K2		C9	6573	P -5210197
32	9.9	9.0W	43 3.086	-0.0006	07	-58 53 27.51	-0.021	07	0.14	3.088	14	45.6	27.42	14	45.6	G5		C0	5336	P -58 6892
33		5.8T	43 3.378	-0.0017	09	-58 15 6.46	-0.020	06	0.32	3.447	12	14.1	5.63	12	08.4	B0		GC	22549	P*-58 6893
34		7.3T	43 3.654	0.0008	12	-59 34 48.33	-0.049	11	0.53	3.617	18	08.4	46.03	18	03.3	B9		GC	22550	P -59 6825
35	9.4	9.0W	43 5.841	0.0069	07	-57 0 12.37	-0.059	07	0.14	5.811	14	45.6	12.12	14	45.6	G0		C0	5339	P -56 7852
36	7.5	7.8W	43 7.185	-0.0012	06	-57 22 16.87	-0.012	06	0.14	7.191	14	45.6	16.82	14	45.6	B9		C0	5340	P -57 8123
37	8.8	9.0W	43 9.625	0.0009	07	-56 56 44.25	-0.007	07	0.14	9.621	14	45.6	44.22	14	45.6	B8		C0	5341	P -56 7854
38	8.5E	8.5Z	43 18.656	0.0016	12	-51 29 38.39	-0.022	12	0.62	18.582	31	05.0	37.41	31	05.0	A2		CZ	15255	P -51 9926
39	9.9	10.0W	43 20.497	0.0017	15	-52 52 52.65	0.011	15	0.24	20.477	15	38.5	52.78	18	38.5	A0		C9	6574	P*-5210201
40	9.5	8.8W	43 27.949	0.0006	07	-59 48 37.17	-0.012	07	0.14	27.947	14	45.6	37.12	14	45.6	G5		C0	5342	P -59 6828
41	9.9	8.9W	43 35.081	0.0001	07	-58 8 30.72	-0.024	07	0.14	35.080	14	45.6	30.62	14	45.6	K0		C0	5343	P -58 6899
42	10.0	10.1W	43 37.905	0.0007	15	-52 10 39.35	0.020	15	0.24	37.897	15	38.5	39.58	18	38.5	B6	O	C9	6575	P -5210209
43	10.0E	9.5Z	43 38.255	-0.0002	12	-57 49 56.09	-0.005	12	0.67	38.262	45	07.5	55.89	45	07.5	A2		CZ	15264	P -50 9650
44	10.1E	9.6*	43 39.336	-0.0013	12	-50 35 13.75	-0.023	12	0.61	39.393	31	04.8	12.71	28	04.8			CZ	15265	P -50 9651
45	8.3	8.5W	43 40.942	0.0004	06	-53 33 53.47	-0.025	06	0.18	40.937	15	38.5	53.18	18	38.5	B9		C9	6576	P -53 8176
46	9.3	9.0W	43 42.697	-0.0000	07	-52 52 41.04	-0.032	07	0.18	42.697	15	38.5	40.68	18	38.5	F8		C9	6577	P -5210210
47	8.9E	9.0Z	43 57.317	0.0017	12	-51 40 45.04	-0.012	12	0.77	57.251	63	10.5	44.55	57	10.5	B3		CZ	15273	P -51 9933
48	9.4	9.2W	44 6.824	-0.0011	13	-59 17 8.96	-0.011	13	0.15	6.828	14	45.6	8.92	14	45.6	A0		C0	5344	P -59 6831
49	8.7	8.5W	44 7.569	-0.0069	07	-52 59 7.79	-0.062	07	0.18	7.637	15	38.5	7.08	18	38.5	F5		C9	6578	P -5210214
50	10.4	10.0W	44 21.421	-0.0021	13	-58 13 59.11	0.001	13	0.15	21.430	14	45.6	59.12	14	45.6	F2	O	C0	5345	P -58 6902
51	10.0	9.9W	16 44 24.816	-0.0002	13	-59 54 46.01	-0.022	13	0.15	24.817	14	45.6	45.92	14	45.6	F2	O	C0	5346	P -59 6833
52	9.9E	9.8Z	44 30.305	-0.0001	12	-51 12 38.00	-0.012	12	0.77	30.307	63	10.5	37.54	57	10.5			CZ	15295	P -51 9937
53	8.4	8.7W	44 35.980	0.0020	07	-55 19 30.94	-0.021	07	0.18	35.956	15	38.5	30.69	18	38.5	A0		C9	6579	P -55 7693
54	9.5	9.4W	44 36.951	-0.0021	14	-56 30 5.62	-0.046	14	0.15	36.960	14	45.6	5.42	14	45.6	A0		C0	5347	P -56 7859
55	9.6	8.2W	44 37.243	0.0032	07	-55 20 45.06	-0.014	07	0.18	37.206	15	38.5	44.89	18	38.5	K		C9	6580	P -55 7694
56	10.1	8.7W	44 53.637	-0.0009	07	-52 23 1.13	0.004	07	0.18	53.647	15	38.5	1.18	18	38.5	K2		C9	6581	P -5210223
57	9.8E	9.7Z	44 55.446	0.0024	12	-51 7 18.21	-0.008	12	0.77	55.350	63	10.5	17.90	57	10.5	A5		CZ	15309	P -50 9665
58		7.0T	44 56.064	-0.0016	16	-52 51 11.93	-0.009	11	0.69	56.136	21	04.1	11.50	19	99.2	B8		GC	22597	P -5210224
59	9.7	8.9W	44 56.089	0.0016	07	-56 22 45.58	0.005	07	0.14	56.081	14	45.6	45.61	14	45.6	F8	O	C0	5348	P -56 7864
60	9.9	9.8W	44 56.190	0.0005	10	-59 24 1.30	-0.019	10	0.15	56.188	14	45.6	1.22	14	45.6	A0		C0	5349	P -59 6837
61	9.6E	9.0Z	45 1.366	0.0007	12	-51 13 13.42	-0.031	12	0.77	1.337	63	10.5	12.20	57	10.5	K0		CZ	15311	P -51 9946
62	10.2	9.8W	45 4.140	0.0023	13	-58 16 8.98	-0.016	13	0.15	4.130	14	45.6	8.91	14	45.6	F8		C0	5350	P -58 6904
63	9.4	9.1W	45 7.704	0.0007	07	-55 25 53.58	-0.034	07	0.18	7.696	15	38.6	53.19	18	38.6	A3		C9	6583	P -55 7695
64	8.6	8.8W	45 8.694	-0.0007	07	-59 39 55.34	-0.005	07	0.14	8.697	14	45.6	55.32	14	45.6	A2		C0	5351	P -59 6839
65	9.8E	9.5Z	45 11.956	-0.0035	12	-50 7 38.65	-0.131	12	0.67	12.106	45	07.5	33.09	45	07.5			CZ	15317	P -49 9615
66	9.0	9.1W	45 23.939	0.0016	06	-56 12 18.36	-0.034	06	0.14	23.931	14	45.6	18.21	14	45.6	A0		C0	5352	P -56 7867
67	8.7	8.7W	45 25.886	0.0017	07	-54 21 34.92	-0.029	07	0.18	25.867	15	38.6	34.58	18	38.6	A3		C9	6584	P -54 7855
68		5.7W	45 27.405	0.0053	02	-58 57 16.37	-0.031	02	0.10	27.221	05	15.4	15.20	05	12.1	K5		F4	1435	P -58 6906
69	9.2	9.1W	45 34.852	0.0005	07	-57 30 12.52	-0.070	07	0.14	34.850	14	45.6	12.22	14	45.6	F5		C0	5354	P -57 8134
70	8.6	8.9W	45 37.491	-0.0001	06	-56 9 29.54	-0.007	06	0.14	37.491	14	45.6	29.51	14	45.6	A0		C0	5355	P -56 7869
71	10.2	10.2W	45 52.294	-0.0010	11	-59 28 24.44	0.017	11	0.15	52.298	14	45.6	24.52	14	45.6	A0		C0	5356	P -59 6841
72	10.3	10.2W	45 54.203	-0.0035	09	-58 31 14.15	-0.009	09	0.15	54.218	14	45.6	14.12	14	45.6	F0	O	C0	5357	P -58 6908
73	9.7	10.0W	45 54.813	-0.0030	15	-52 57 32.08	-0.018	15	0.24	54.847	15	38.6	31.88	18	38.6	B3		C9	6585	P -5210245
74	8.9	8.9W	45 59.819	0.0011	07	-54 23 51.78	-0.034	07	0.18	59.807	15	38.6	51.38	18	38.6	A0		C9	6586	P -54 7858
75	8.9	9.1W	46 3.953	-0.0011	06	-58 47 10.20	-0.019	06	0.14	3.958	14	45.6	10.11	14	45.6	A2		C0	5358	P -58 6909
76	9.7	8.9W	46 10.833	-0.0016	07	-56 35 2.72	-0.023	07	0.14	10.840	14	45.6	2.62	14	45.6	G5		C0	5359	P -56 7871
77	10.2E	9.6Z	46 23.714	0.0004	12	-51 28 26.33	-0.002	12	0.77	23.697	63	10.5	26.26	57	10.5			CZ	15341	P -51 9973
78	8.9	9.0W	46 24.380	0.0030	05	-55 46 52.66	-0.015	05	0.18	24.346	15	38.6	52.49	18	38.6	A2		C9	6587	P -55 7704
79	9.2	9.3W	46 26.075	0.0008	07	-56 18 56.59	0.005	07	0.14	26.071	14	45.6	56.61	14	45.6	B9		C0	5360	P -56 7874
80	8.8E	8.5Z	46 27.958	0.0005	12	-50 36 59.27	-0.006	12	0.61	27.934	31	04.8	59.01	28	04.8	B8		CZ	15345	P -50 9692
81	9.9	10.0W	46 29.928	-0.0061	07	-52 17 27.13	-0.040	07	0.18	29.997	15	38.6	26.68	18	38.6	A0		C9	6588	P -5210255
82	9.5	9.9W	46 30.335	-0.0018	15	-55 42 22.57	-0.024	15	0.24	30.355	15	38.6	22.29	18	38.6	B9		C9	6589	P -55 7707
83	9.7	8.3W	46 31.116	0.0017	07	-55 26 41.96	-0.023	07	0.18	31.096	15	38.6	41.69	18	38.6	K5		C9	6590	P -55 7708
84		8.0T	46 35.966	0.0017	15	-51 27 42.45	-0.024	12	0.72	35.882	19	01.1	41.21	18	98.1	B8		GC	22630	C -5110533
85	8.7	8.9W	46 38.109	-0.0003	07	-58 21 48.20	-0.019	07	0.14	38.110	14	45.6	48.12	14	45.6	B9		C0	5361	P*-58 6911
86	8.6	8.9W	46 40.937	-0.0016	07	-55 32 0.67	-0.041	07	0.18	40.955	15	38.6	0.19	18	38.6	B9		C9	6591	P -55 7711
87	8.7	9.0W	46 47.983	0.0005	06	-54 50 57.06	0.002	06	0.18	47.977	15	38.6	57.09	18	38.6	B8		C9	6592	P -54 7862
88	10.1E	9.8Z	46 48.167	0.0000	12	-50 44 27.57	-0.025	12	0.67	48.166	45	07.5	26.52	45	07.5			CZ	15355	P -50 9694
89	8.7	9.0W	46 52.486	-0.0011	07	-56 38 39.16	-0.011	07	0.14	52.490	14	45.6	39.12	14	45.6	B8		C0	5362	P -56 7875
90	9.3	8.6W	46 57.174	-0.0009	07	-59 25 56.87	-0.013	07	0.14	57.178	14	45.6	56.82	14	45.6	K0		C0	5363	P -59 6844
91	9.5E	9.5H	47 0.690	0.0004	12	-50 14 56.53	-0.005	12	0.67	0.675	45	07.5	56.32	45	07.5	A0		CZ	15359	P -50 9695
92	9.4	9.6W	47 1.797	-0.0018	06	-54 38 48.57	-0.007	06	0.18	1.817	15	38.6	48.49	18	38.6	B8		C9	6593	P -54 7865
93	10.0E	10.0*	47 10.732	-0.0008	12	-51 46 59.89	-0.009	12	0.62	10.770	31	05.0	59.48	31	05.0	A0		CZ	15366	P -51 9990
94	9.5	9.6W	47 17.227	0.0014	14	-56 58 1.87	-0.012	14	0.15	17.221	14	45.6	1.82	14	45.6	B8		C0	5364	P -56 7877
95	10.2E	10.0Z	47 17.779	0.0004	12	-51 20 20.16	-0.019	12	0.77	17.762	63	10.5	19.42	57	10.5			CZ	15368	P -51 9993
96	10.2		47 18.604	-0.0020	07	-52 9 13.52	-0.012	07	0.18	18.627	15	38.6	13.38	18	38.6	A0		C9	6594	P -5210265
97	9.2	9.5W	47 18.844	-0.0028	07	-59 39 23.32	-0.024	07	0.14	18.857	14	45.6	23.22	14	45.6	A0		C0	5365	P -59 6846
98	10.6	10.2W	47 24.998	-0.0017	15	-52 57 42.70	0.016	15	0.24	25.017	15	38.6	42.88	18	38.6	F2	O	C9	6595	P -5210266
99	10.1E	9.9Z	47 25.375	0.0005	12	-50 35 48.64	-0.005	12	0.67	25.353	45	07.5	48.44	45	07.5			CZ	15372	P -50 9698
00	9.6	9.2W	47 27.340	0.0012	15	-55 12 55.40	-0.035	15	0.24	27.326	15	38.6	54.99	18	38.6	F8		C9	6596	P -55 7713

244200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 16H DM NUMBER
1	9.9E	9.7Z	16 47 27.704	-0.0009	12	-50 18 41.32	-0.018	12	0.67	27.744	45	07.5	40.56	45	07.5	A0	CZ	15373	P -50 9699
2	10.1	10.0W	47 29.316	0.0021	14	-59 39 34.20	-0.020	14	0.15	29.307	14	45.6	34.12	14	45.6	A0	CO	5366	P -59 6847
3	9.8E	9.5Z	47 34.685	0.0017	12	-51 22 28.45	-0.010	12	0.77	34.616	63	10.5	28.06	57	10.5		CZ	15375	P -51 9996
4	9.9	9.4W	47 38.060	-0.0022	13	-59 57 45.12	-0.001	13	0.15	38.068	14	46.6	45.12	14	46.6	G2 O	CO	5083	P -59 6848
5	9.9E	9.9Z	47 42.805	-0.0009	12	-51 8 32.73	0.001	12	0.77	42.835	63	10.5	32.77	57	10.5		CZ	15383	P -51 9997
6	8.9	9.1W	47 53.038	-0.0006	06	-56 34 17.81	0.002	06	0.14	53.040	14	45.6	17.82	14	45.6	B8	CO	5368	P -56 7880
7	8.1E	8.6H	47 54.709	0.0001	12	-50 12 44.29	-0.011	12	0.61	54.705	31	04.8	43.80	28	04.8	B9	CZ	15391	P -50 9705
8		7.3T	47 54.987	-0.0013	15	-57 29 47.75	-0.028	12	0.63	55.047	19	06.9	46.42	18	03.0	B9	GC	22665	P -57 8149
9	9.4	9.1W	47 58.531	-0.0021	09	-57 10 41.04	0.041	09	0.15	58.541	14	45.6	41.22	14	45.6	F0	CO	5375	P -57 8150
10	10.1E	9.5Z	48 1.401	0.0006	12	-50 47 0.25	-0.014	12	0.67	1.374	45	07.5	59.67	45	07.5		CZ	15392	P -50 9706
11	9.7E	9.7Z	48 2.123	0.0003	12	-50 42 18.70	-0.014	12	0.67	2.110	45	07.5	18.11	45	07.5		CZ	15393	P -50 9707
12	9.5	9.5W	48 2.522	-0.0004	07	-53 44 45.12	-0.020	07	0.18	2.527	15	38.6	44.88	18	38.6	B8	C9	6597	P -53 8192
13	8.9E	9.0Z	48 8.200	0.0003	12	-50 49 9.75	-0.013	12	0.67	8.186	45	07.5	9.20	45	07.5	B8	CZ	15395	P -50 9711
14	9.4	9.3W	48 9.868	-0.0034	07	-53 25 8.49	-0.018	07	0.18	9.907	15	38.6	8.28	18	38.6	F0	C9	6598	P -53 8194
15	9.2	9.2W	48 10.756	-0.0001	07	-54 8 34.24	-0.005	07	0.18	10.757	15	38.6	34.18	18	38.6	A0	C9	6599	P -54 7878
16	8.9E	9.0Z	48 14.582	-0.0007	12	-50 42 15.52	-0.023	12	0.67	14.611	45	07.5	14.55	45	07.5	B9	CZ	15400	P -50 9712
17	9.2	9.5W	48 19.547	-0.0007	07	-57 41 33.72	-0.001	07	0.14	19.550	14	45.6	33.72	14	45.6	A	CO	5371	P -57 8152
18	8.8	7.4W	48 19.832	-0.0017	06	-57 45 26.96	-0.033	06	0.14	19.840	14	45.6	26.82	14	45.6	K2	CO	5372	P -57 8151
19	8.3	8.5W	48 19.835	0.0008	07	-55 32 20.82	-0.020	07	0.18	19.825	15	38.6	20.59	18	38.6	A0	C9	6600	P -55 7721
20	8.4	8.3W	48 26.964	0.0006	06	-54 46 53.41	-0.019	06	0.18	26.957	15	38.6	53.19	18	38.6	A5	C9	6601	P -54 7879
21	9.7	9.9W	48 27.512	0.0022	15	-55 16 30.99	-0.017	15	0.24	27.486	15	38.6	30.79	18	38.6	B8	C9	6602	P -55 7722
22	9.6E	8.5Z	48 28.643	-0.0008	12	-50 50 16.21	-0.022	12	0.67	28.676	45	07.5	15.29	45	07.5	K2	CZ	15406	P -50 9714
23	9.1	9.2W	48 29.792	-0.0013	07	-52 54 56.17	-0.034	07	0.18	29.807	15	38.6	55.77	18	38.6	B9	C9	6603	P -5210278
24	9.8	9.4W	48 33.556	0.0008	07	-53 53 13.76	-0.033	07	0.18	33.547	15	38.6	13.38	18	38.6	A0	C9	6604	P -53 8201
25	10.0	10.2W	48 37.517	-0.0003	11	-58 52 38.88	0.008	11	0.15	37.518	14	45.6	38.91	14	45.6	A0	CO	5373	P -58 6918
26	9.2E	8.5Z	48 41.452	-0.0146	12	-51 2 38.50	-0.149	12	0.67	42.071	45	07.5	32.18	45	07.5	G0	CZ	15411	P -50 9716
27	9.3	9.5W	48 42.353	-0.0021	07	-53 12 15.46	-0.025	07	0.18	42.377	15	38.6	15.18	18	38.6	B9	C9	6605	P -53 8205
28	9.6	8.7W	48 46.737	0.0038	07	-58 22 31.34	-0.005	07	0.14	46.720	14	45.6	31.31	14	45.6	K0	CO	5374	P -58 6919
29	8.8E	9.4Z	48 49.505	-0.0011	12	-50 25 0.21	-0.014	12	0.67	49.553	45	07.5	59.62	45	07.5	A0	CZ	15413	P -50 9720
30	9.4	9.1W	48 56.660	0.0003	07	-54 4 47.12	0.014	07	0.18	56.657	15	38.6	47.28	18	38.6	A2	C9	6606	P -53 8207
31	9.9	9.9W	48 57.463	0.0033	15	-55 44 27.54	0.014	15	0.24	57.425	15	38.6	27.69	18	38.6	A0	C9	6607	P -55 7724
32	10.1		49 7.904	-0.0003	07	-52 32 38.90	0.007	07	0.18	7.907	15	38.6	38.98	18	38.6	A0	C9	6608	P -5210293
33	9.0	9.2W	49 9.132	0.0004	07	-56 56 38.60	-0.020	07	0.14	9.131	14	45.6	38.52	14	45.6	B9	CO	5375	P -56 7887
34	9.2E	9.0Z	49 14.349	-0.0184	12	-51 38 2.96	-0.081	12	0.77	15.078	63	10.5	59.75	57	10.5	G0	CZ	15421	P -5110023
35	9.9	9.9W	49 15.480	-0.0076	15	-55 24 14.58	0.010	15	0.24	15.566	15	38.6	14.69	18	38.6	B8	C9	6609	P -55 7727
36	9.5	9.5W	49 16.999	0.0064	14	-55 35 26.64	-0.014	14	0.23	16.925	15	38.6	26.49	18	38.6	A2	C9	6610	P -55 7728
37	8.9	9.1W	49 17.133	-0.0031	06	-59 36 49.91	0.001	06	0.14	17.147	14	45.6	49.92	14	45.6	A2	CO	5376	P -59 6853
38		8.0T	49 23.217	0.0055	17	-54 11 39.64	-0.054	13	0.73	22.970	22	05.1	37.01	19	00.9	A0	GC	22699	P -54 7884
39		8.5T	49 29.859	0.0010	13	-56 17 33.23	-0.004	11	0.64	29.808	19	01.8	33.01	18	98.2	A3	GC	22702	P -56 7889
40	9.4	9.5W	49 31.253	0.0005	07	-52 32 56.53	-0.022	07	0.18	31.247	15	38.6	56.28	18	38.6	B0	C9	6612	P -5210300
41	9.6	8.8W	49 33.634	0.0010	06	-57 51 30.13	0.020	06	0.14	33.630	14	45.6	30.22	14	45.6	G5	CO	5378	P -57 8156
42	9.2E	9.5Z	49 38.313	0.0001	12	-51 15 17.77	0.003	12	0.77	38.307	63	10.5	17.90	57	10.5	B8	CZ	15431	P -5110030
43	8.9E	9.0Z	49 40.187	0.0000	12	-51 11 22.04	-0.030	12	0.77	40.185	63	10.5	20.86	57	10.5	F8	CZ	15433	P -5110032
44	10.0	9.7W	49 40.233	-0.0030	07	-52 0 57.55	-0.006	07	0.18	40.267	15	38.6	57.48	18	38.6	G0	C9	6614	P*-5110028
45		6.0T	49 45.148	-0.0035	13	-57 49 34.47	-0.126	11	0.60	45.318	19	05.4	28.32	18	01.2	K5	GC	22712	P -57 8157
46	9.1	9.1W	49 46.600	0.0003	07	-52 41 9.72	-0.030	07	0.18	46.597	15	38.6	9.38	18	38.6	A0	C9	6615	P -5210302
47		7.6T	49 47.380	-0.0026	17	-54 16 52.71	-0.031	13	0.74	47.498	21	04.5	51.19	19	00.5	K0	GC	22713	P -54 7887
48	9.2	9.6W	49 49.634	0.0012	11	-59 13 28.58	-0.015	11	0.15	49.628	14	45.6	28.51	14	45.6	A0	CO	5380	P -59 6854
49	7.5E	8.5H	49 49.868	-0.0014	12	-50 9 18.87	-0.018	12	0.67	49.926	45	07.5	18.12	45	07.5	A2	CZ	15439	P -50 9731
50	7.8	7.8W	49 50.488	-0.0025	07	-54 59 25.50	-0.036	07	0.18	50.517	15	38.6	25.09	18	38.6	F2	C9	6617	P -54 7888
51	9.9	9.5W	16 49 54.374	0.0015	08	-51 59 48.33	-0.057	08	0.19	54.357	15	38.6	47.67	18	38.6	G0	C9	6618	P -5110035
52	8.5	8.7W	49 55.622	-0.0004	07	-53 52 7.76	-0.015	07	0.18	55.627	15	38.6	7.58	18	38.6	B9	C9	6619	P -53 8212
53		7.1T	49 59.613	0.0002	12	-54 21 23.94	-0.015	10	0.61	59.603	21	00.7	23.17	19	97.2	B8	GC	22720	P -54 7892
54	8.5	8.7W	49 59.713	-0.0016	07	-58 10 5.67	-0.035	07	0.14	59.720	14	45.6	5.52	14	45.6	A0	CO	5381	P -58 6922
55	10.1	10.2W	50 4.727	0.0020	12	-58 54 39.38	-0.015	12	0.15	4.718	14	45.6	39.32	14	45.6	A2	CO	5382	P -58 6923
56	7.7E	8.7Z	50 5.160	-0.0019	12	-51 27 11.47	-0.007	12	0.62	5.246	31	05.0	11.18	31	05.0	B8	CZ	15448	P -5110037
57	9.7E	9.9Z	50 16.950	-0.0005	12	-50 34 21.96	0.003	12	0.67	16.970	45	07.5	22.08	45	07.5	A0	CZ	15455	P -50 9738
58	9.3	9.5W	50 19.136	-0.0004	07	-58 49 45.93	-0.004	07	0.14	19.138	14	45.6	45.91	14	45.6	A0	CO	5383	P -58 6924
59	9.7	8.0W	50 21.889	-0.0016	07	-59 38 35.48	-0.014	07	0.14	21.897	14	45.6	35.42	14	45.6	K5	CO	5384	P -59 6857
60		9.6T	50 22.589	-0.0017	14	-50 44 0.28	-0.009	11	0.66	22.668	24	03.3	59.82	22	98.2	K0	GC	22727	C -5010887
61	8.0	8.4W	50 22.791	-0.0005	07	-53 11 17.46	-0.025	07	0.18	22.797	15	38.6	17.18	18	38.6	B8	C9	6621	P -53 8219
62	10.1	9.8W	50 23.338	-0.0001	15	-58 42 51.45	-0.031	15	0.16	23.338	14	45.6	51.32	14	45.6	F8	CO	5385	P -58 6925
63	9.0E	9.5Z	50 24.201	0.0004	12	-51 48 32.02	-0.016	12	0.77	24.187	63	10.5	31.38	57	10.5	F5	CZ	15457	P -5110040
64	10.2		50 31.580	-0.0050	15	-52 15 28.74	-0.032	15	0.24	31.637	15	38.6	28.38	18	38.6	A0 C	C9	6622	P -5210313
65	10.6	10.3W	50 36.196	0.0017	14	-58 36 23.53	-0.003	14	0.15	36.188	14	45.6	23.52	14	45.6	F6 C	CO	5386	P -58 6926
66	9.6	9.9W	50 36.258	-0.0029	13	-57 20 13.21	0.001	13	0.15	36.271	14	45.6	13.22	14	45.6	A2	CO	5387	P -57 8163
67	9.8E	9.7Z	50 47.127	-0.0004	12	-50 39 47.73	-0.013	12	0.67	47.143	45	07.5	47.19	45	07.5	A0	CZ	15475	P -50 9743
68		7.6T	50 52.350	-0.0011	12	-55 58 1.98	-0.056	08	0.55	52.411	21	01.8	58.86	18	94.5	K0	GC	22745	P -55 7736
69	9.6	9.9W	50 54.572	0.0028	11	-57 38 12.32	-0.002	11	0.15	54.560	14	45.6	12.32	14	45.6	B8	CO	5389	P -57 8168
70	8.2	8.6W	50 58.158	-0.0008	06	-52 13 35.75	-0.033	06	0.18	58.167	15	38.6	35.38	18	38.6	B5	C9	6624	P -5210318
71		7.3T	51 8.380	-0.0079	16	-50 6 30.58	-0.007	12	0.75	8.761	22	02.0	30.21	19	96.8	K0	GC	22755	C -4911040
72		7.4T	51 20.971	-0.0044	12	-59 20 14.19	-0.035	10	0.53	21.184	18	06.1	12.49	17	01.5	F5	GC	22764	P -59 6860
73	9.3	9.3W	51 28.913	-0.0012	07	-58 44 53.69	-0.017	07	0.14	28.918	14	45.6	53.62	14	45.6	A2	CO	5391	P -58 6931
74	8.3	8.5W	51 31.443	-0.0012	07	-52 34 15.52	-0.012	07	0.18	31.457	15	38.6	15.38	18	38.6	A0	C9	6625	P -5210323
75	8.9E	9.0Z	51 33.252	-0.0001	12	-50 33 24.46	0.003	12	0.63	33.255	36	06.5	24.59	36	06.5	B5	CZ	15521	P -50 9753
76	9.7	9.3W	51 34.314	-0.0073	06	-54 29 22.38	-0.052	06	0.18	34.397	15	38.6	21.78	18	38.6	F5	C9	6626	P -54 7902
77	10.1		51 37.968	-0.0069	15	-55 6 13.36	0.019	15	0.24	38.047	15	38.6	13.58	18	38.6	A0	C9	6627	P -5210324
78	9.6	9.3W	51 39.249	-0.0024	15	-55 16 14.86	-0.032	15	0.24	39.276	15	38.6	14.49	18	38.6	F5	C9	6628	P -55 7741
79	8.5E	8.0Z	52 10.298	0.0032	12	-51 49 5.66	0.014	12	0.67	10.164	45	07.5	6.24	45	07.5	G5	CZ	15544	P -5110061
80		6.6T	52 16.996	-0.0004	08	-50 35 45.18	-0.019	06	0.33	17.011	10	09.7	44.35	10	06.2	B3P	GC	22790	C*-5010905
81	9.9		52 24.989	-0.0060	15	-52 33 15.59	-0.001	15	0.24	25.057	15	38.6	15.58	18	38.6	B8	C9	6629	P -5210332
82	8.2E	8.8H	52 29.791	-0.0012	12	-50 1 40.25	-0.027	12	0.70	29.846	45	04.5	39.02	45	04.5	A0	CZ	15555	P -49 9681
83	9.5E	9.0Z	52 29.794	0.0016	12	-51 4 12.46	-0.021	12	0.70	29.720	45	04.6	11.52	45	04.6	A0	CZ	15553	P -50 9758
84	9.1	9.2W	52 31.607	-0.0009	07	-57 17 54.40	-0.042	07	0.14	31.611	14	45.6	54.22	14	45.6	A0	CO	5393	P -57 8176
85		6.2T	52 32.339	-0.0046	16	-52 12 16.94	-0.045	12	0.71	32.546	22	04.6	14.67	19	99.9	A0	GC	22794	P -5210333
86		9.1T	52 34.583	-0.0011	12	-51 45 20.01	-0.003	11	0.62	34.637	19	99.3	19.84	18	97.1	B8	GC	22797	C -5110595
87	9.8	9.4W	52 36.062	-0.0048	07	-54 13 51.04	-0.057	07	0.18	36.117	15	38.6	50.38	18	38.6	F8	C9	6631	P -54 7908
88	8.9E	8.5Z	52 40.279	0.0025	12	-51 4 26.38	-0.004	12	0.62	40.160	28	02.9	26.20	26	02.9	A0	CZ	15559	P -50 9760
89	9.9	9.3W	52 41.308	-0.0000	07	-59 12 0.45	-0.076	07	0.14	41.308	14	45.6	0.12	14	45.6	G5	CO	5394	P -59 6866
90	8.4	8.6W	52 54.031	-0.0016	06	-58 38 6.17	-0.012	06	0.14	54.038	14	45.6	6.11	14	45.6	B9	CO	5395	P -58 6938
91	8.8	8.9W	52 55.371	0.0004	07	-54 20 45.51	-0.020	07	0.18	55.367	15	38.6	45.28	18	38.6	A0	C9	6632	P -54 7910
92	8.9	9.1W	52 59.378	0.0018	07	-52 40 12.92	-0.030	07	0.18	59.357	15	38.6	12.58	18	38.6	A0	C9	6633	P -5210335
93	9.6	9.2W	53 7.857	-0.0006	07	-57 49 12.25	-0.031	07	0.14	7.860	14	45.6	12.12	14	45.6	F8	CO	5396	P -57 8180
94	8.8	9.1W	53 19.329	-0.0026	14	-58 2 46.46	-0.010	14	0.15	19.340	14	45.6	46.42	14	45.6	B9	CO	5397	P -57 8181
95	10.9E	10.0H	53 23.890	0.0003	12	-51 10 29.51	0.001	12	0.81	23.875	63	04.6	29.56	57	04.6	A	CZ	15581	P -5110075
96	10.7E	9.8Z	53 24.005	0.0016	12	-51 10 37.64	-0.013	12	0.81	23.931	63	04.6	37.06	57	04.6	A	CZ	15582	P -5110075
97	8.0	8.3W	53 25.930	0.0013	07	-55 46 28.14	-0.031	07	0.18	25.915	15	38.6	27.79	18	38.6	B5	C9	6634	P -55 7751
98	9.8	8.6W	53 38.016	-0.0010	06	-53 12 15.85	-0.024	06	0.18	38.027	15	38.6	15.57	18	38.6	K2	C9	6635	P -53 8238
99	10.4	10.1W	53 40.522	-0.0015	13	-59 10 20.67	-0.036	13	0.15	40.528	14	45.6	20.52	14	45.6	F2 O	CO	5398	P -59 6870
00		8.3T	53 41.985	0.0008	17	-58 33 18.02	-0.033	13	0.69	41.949	19	07.3	16.53	19	05.1	K0	GC	22821	P -58 6944

244300 -50° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.7	9.6W	16 53 44.939	-0.0016	07	-54 47 43.25	-0.014	07	0.18	44.957	15	38.6	43.09	18	38.6	A2	C9	6636	P -54 7914
2	8.9	9.0W	53 46.860	-0.0015	07	-52 31 50.27	-0.017	07	0.18	46.877	15	38.6	50.08	18	38.6	A0	C9	6637	P -5210346
3		8.2T	53 47.561	0.0011	16	-58 54 56.56	-0.020	13	0.64	47.514	19	08.6	55.70	18	07.3	B9	GC	22825	P -58 6945
4		7.7T	53 51.722	0.0002	15	-57 41 32.53	-0.010	12	0.63	51.712	19	07.3	32.08	19	05.0	B9	GC	22826	P -57 8183
5		8.3T	53 51.748	-0.0014	18	-53 45 49.67	-0.004	13	0.80	51.814	24	03.4	49.49	19	00.1	F5	GC	22827	P -53 8241
6		7.7T	53 54.999	-0.0023	14	-57 42 40.23	0.028	11	0.57	55.101	19	07.5	41.51	18	04.8	B9	GC	22829	P -57 8185
7		8.4T	53 55.411	0.0013	18	-53 45 47.30	-0.014	14	0.86	55.347	27	01.0	46.59	22	97.6	A0	GC	22831	P -53 8244
8	9.1	9.1W	53 59.052	0.0012	13	-59 58 43.82	-0.002	13	0.15	59.048	14	46.1	43.82	14	46.1	A5	CD	5110	P -59 6871
9	9.1E	8.2Z	54 3.259	0.0011	12	-51 8 0.34	-0.006	12	0.81	3.208	63	04.6	0.62	57	04.6	K2	CZ	15603	P -5110076
10	9.4	8.3W	54 9.173	-0.0004	07	-53 10 4.45	-0.050	07	0.18	9.177	15	38.6	3.87	18	38.6	K0	C9	6640	P -53 8248
11	7.8	8.3W	54 14.637	-0.0009	06	-53 50 39.44	-0.022	06	0.18	14.647	15	38.6	39.18	18	38.6	A0	C9	6641	P -53 8249
12	8.7	9.0W	54 24.391	0.0013	06	-55 57 35.96	-0.032	06	0.18	24.376	15	38.6	35.59	18	38.6	B9	C9	6642	P -55 7784
13		5.7H	54 25.961	-0.0010	04	-50 33 51.76	-0.046	04	0.14	25.991	08	19.9	50.33	07	19.2	B9	F4	1444	C -5010824
14		9.0T	54 26.181	0.0017	12	-51 58 19.59	-0.030	10	0.64	26.093	22	99.7	17.93	21	95.1	A5	GC	22842	C -5110611
15		3.1H	54 28.422	-0.0016	03	-55 54 48.63	-0.035	02	0.10	28.481	05	12.5	47.34	05	13.5	K5	F4	631	P -55 7766
16	9.1	9.2W	54 29.208	0.0020	09	-58 24 25.95	-0.032	09	0.15	29.200	14	45.6	25.81	14	45.6	A2	CD	5405	P -58 6950
17	9.7	9.7W	54 45.800	0.0003	06	-53 55 22.42	-0.015	06	0.18	45.797	15	38.6	22.58	18	38.6	A0	C9	6645	P -53 8256
18	9.1	9.1W	54 46.510	0.0003	07	-52 39 12.24	-0.032	07	0.18	46.507	15	38.6	11.88	18	38.6	A3	C9	6646	P -5210360
19	9.2	9.3W	54 58.499	-0.0007	07	-52 54 34.83	-0.022	07	0.18	58.507	15	38.6	34.58	18	38.6	A0	C9	6647	P -5210361
20	9.9	10.0W	55 1.459	0.0005	14	-59 58 20.57	0.013	14	0.15	1.457	14	46.1	20.62	14	46.1	F2	CD	5118	P -59 6873
21	8.8	8.0W	55 11.216	0.0008	06	-52 56 52.53	-0.013	06	0.18	11.207	15	38.6	52.38	18	38.6	K0	C9	6648	P -5210364
22	8.6	7.7W	55 15.335	-0.0019	07	-54 47 56.94	-0.031	07	0.18	15.357	15	38.6	56.59	18	38.6	K0	C9	6649	P -54 7932
23	8.9	9.1W	55 15.714	0.0008	06	-57 26 53.94	-0.006	06	0.14	15.711	14	45.6	53.91	14	45.6	B8	CD	5407	P -57 8204
24		10.0T	55 22.105	-0.0087	12	-52 14 24.21	-0.013	11	0.63	22.529	24	01.1	23.52	22	98.2	B9	GC	22865	P -5210369
25	9.0	9.1W	55 24.129	-0.0017	14	-59 39 40.61	0.001	14	0.15	24.137	14	45.6	40.62	14	45.6	A2	CD	5408	P -59 6874
26	9.4	9.5W	55 24.259	-0.0003	06	-57 42 24.41	-0.022	06	0.14	24.260	14	45.6	24.32	14	45.6	B9	CD	5409	P -57 8207
27	9.9E	8.9Z	55 26.416	-0.0016	12	-51 5 18.08	-0.015	12	0.81	26.487	63	04.6	17.41	57	04.6	G5	CZ	15633	P -50 9777
28	9.6	9.5W	55 28.055	-0.0002	06	-54 40 42.09	0.000	06	0.18	28.057	15	38.6	42.09	18	38.6	A0	C9	6650	P -54 7934
29		7.2T	55 32.677	0.0046	10	-59 15 12.46	-0.102	08	0.46	32.436	18	05.6	7.12	17	97.7	F8	GC	22868K	P -59 6876
30	9.9	10.0W	55 33.490	0.0029	15	-54 30 19.23	-0.012	15	0.24	33.457	15	38.6	19.09	18	38.6	A0	C9	6651	P -54 7937
31		4.1H	55 35.463	0.0008	03	-53 5 9.07	0.015	03	0.11	35.434	06	13.6	9.62	05	14.0	K2	F4	632	P -5210372
32	9.5	8.7W	55 40.473	0.0033	07	-55 40 2.61	-0.046	07	0.18	40.435	15	38.6	2.09	18	38.6	K0	C9	6653	P -55 7782
33	9.2	9.0W	55 41.303	-0.0039	06	-57 46 1.67	-0.035	06	0.14	41.320	14	45.6	1.52	14	45.6	F2	CD	5411	P -57 8210
34	9.6	9.9W	55 51.240	-0.0032	07	-54 24 44.39	-0.009	07	0.18	51.277	15	38.6	44.28	18	38.6	A0	C9	6654	P -54 7945
35	9.8E	10.0Z	55 53.110	0.0017	12	-50 46 52.77	0.001	12	0.70	53.032	45	04.6	52.83	45	04.6		CZ	15640	P -50 9783
36	10.0E	9.4*	56 0.380	0.0010	12	-50 44 55.25	-0.005	12	0.64	0.332	31	02.9	55.02	28	02.9		CZ	15642	P -50 9784
37	9.2	9.3W	56 1.110	-0.0015	07	-55 13 12.10	-0.018	07	0.18	1.126	15	38.6	11.89	18	38.6	A0	C9	6655	P -55 7784
38		5.9T	56 2.029	-0.0013	14	-54 31 17.93	-0.063	09	0.62	2.087	21	03.5	14.57	19	96.3	A2	GC	22878K	P -54 7947
39	8.9	9.0W	56 2.118	-0.0008	08	-52 50 7.45	0.011	08	0.19	2.127	15	38.6	7.58	18	38.6	A0	C9	6657	P -5210378
40		7.9T	56 5.545	-0.0000	16	-56 31 57.92	-0.016	12	0.71	5.545	21	04.2	58.71	19	99.9	A5	GC	22879	P -56 7925
41	9.9	8.3W	56 7.860	0.0003	07	-55 1 53.41	-0.027	07	0.18	7.856	15	38.6	53.09	18	38.6	K5	C9	6658	P -54 7949
42	10.1	10.2W	56 11.022	0.0008	11	-58 52 7.47	0.032	11	0.15	11.018	14	45.6	7.62	14	45.6	A0	CD	5413	P -58 6958
43	10.2E	8.5Z	56 14.894	0.0015	12	-51 55 13.87	-0.013	12	0.63	14.824	28	02.0	13.23	26	02.0	K2	CZ	15647	P -5110101
44		7.2T	56 18.605	-0.0207	12	-57 13 7.95	-0.287	10	0.55	19.552	19	06.1	-54.79	18	04.2	G5	GC	22886	P -57 8215
45	9.7	9.6W	56 26.671	0.0003	07	-53 5 3.91	-0.020	07	0.18	26.667	15	38.6	3.68	18	38.6	A0	C9	6659	P -5210380
46	9.3	9.2W	56 27.305	0.0020	13	-59 48 23.28	-0.041	13	0.15	27.298	14	46.1	23.12	14	46.1	F0	CD	5126	P -59 6879
47	10.0	9.0W	56 31.400	-0.0024	06	-52 11 59.38	-0.053	06	0.18	31.427	15	38.6	58.78	18	38.6	K0	C9	6660	P -5210383
48	9.1	9.0W	56 31.632	-0.0019	14	-58 12 43.62	-0.023	14	0.15	31.640	14	45.6	43.52	14	45.6	A3	CD	5416	P -58 6959
49	9.9E	9.7Z	56 32.622	-0.0006	12	-50 50 30.80	-0.012	12	0.70	32.648	45	04.6	30.26	45	04.6		CZ	15652	P -50 9788
50	9.9	8.9W	56 37.355	-0.0037	15	-52 34 13.00	-0.054	15	0.24	37.397	15	38.6	12.38	18	38.6	K0	C9	6661	P -5210385
51	9.9	8.1W	16 56 44.807	-0.0010	06	-56 24 22.36	-0.034	06	0.14	44.811	14	45.6	22.21	14	45.6	M8	CD	5417	P -56 7938
52	8.8	8.7W	56 45.469	-0.0074	06	-56 10 20.07	-0.069	06	0.14	45.502	14	45.6	19.81	14	45.6	F5	CD	5418	P -56 7939
53	7.3	7.7W	56 46.729	0.0001	07	-58 46 36.90	0.003	07	0.14	46.728	14	45.6	36.92	14	45.6	B8	CD	5419	P*-58 6960
54	9.3E	9.5W	56 54.933	0.0017	12	-50 7 36.12	0.005	12	0.64	54.854	31	02.9	36.36	28	02.9	A3	CZ	15665	P -50 9792
55	10.1	9.8W	56 55.547	0.0000	07	-54 55 13.04	0.022	07	0.18	55.547	15	38.6	13.29	18	38.6	A0	C9	6662	P -54 7957
56		6.5T	56 55.754	-0.0012	12	-56 28 53.00	-0.024	08	0.55	55.820	21	02.7	51.66	19	94.7	B9	GC	22901K	P*-56 7940
57	8.4E	9.0Z	56 57.226	0.0023	12	-51 32 22.34	-0.006	12	0.81	57.123	63	04.6	22.62	57	04.6	B9	CZ	15664	P -5110109
58	8.7	8.5W	56 57.823	0.0062	07	-59 41 11.89	-0.039	07	0.14	57.787	14	45.6	11.72	14	45.6	F5	CD	5421	P -59 6882
59	8.5	8.7W	57 2.376	-0.0006	07	-59 22 35.41	-0.022	07	0.14	2.378	14	45.6	35.31	14	45.6	A0	CD	5422	P -59 6884
60	9.8	8.4W	57 5.295	0.0007	06	-53 54 26.49	-0.009	06	0.18	5.287	15	38.6	26.38	18	38.6	K0	C9	6663	P -53 8291
61		9.2T	57 10.239	-0.0004	14	-52 54 11.46	0.014	12	0.66	10.256	22	04.6	12.14	22	02.6	A5	GC	22908	P -5210387
62		6.3T	57 26.578	0.0004	12	-58 53 8.02	-0.011	08	0.43	26.562	12	12.3	7.57	12	09.4	B0P	GC	22916	P*-58 6964
63		7.6T	57 32.755	-0.0014	13	-58 58 31.59	-0.041	10	0.56	32.822	19	05.0	29.61	17	01.8	B9	GC	22918	P -58 6965
64	9.9	10.3W	57 33.701	0.0033	11	-59 58 39.13	0.019	11	0.15	33.687	14	45.6	39.22	14	45.6	B8	CD	5425	P -59 6887
65	9.7	9.9W	57 34.802	0.0005	11	-58 19 10.11	-0.021	11	0.15	34.800	14	45.6	10.02	14	45.6	A2	CD	5426	P*-58 6967
66	10.2	9.7W	57 35.322	-0.0022	07	-52 0 18.83	-0.057	07	0.18	35.347	15	38.6	18.18	18	38.6	G0	C9	6665	P -5110113
67	8.5	8.8W	57 35.622	-0.0015	07	-58 57 1.68	-0.016	07	0.14	35.628	14	45.6	1.62	14	45.6	A	CD	5427	P -58 6966
68	9.9	9.9W	57 42.035	0.0035	09	-58 13 43.62	-0.001	09	0.15	42.020	14	45.6	43.62	14	45.6	A3	CD	5428	P -58 6969
69	9.9E	9.6Z	57 50.811	0.0014	12	-51 26 31.54	0.009	12	0.81	50.745	63	04.6	31.96	57	04.6	B9	CZ	15673	P -5110116
70		6.6T	57 52.529	-0.0026	16	-51 3 28.69	-0.038	09	0.68	52.652	22	02.5	26.51	19	92.4	A3	GC	22922K	C*-5010955
71	8.5	8.7W	57 55.309	0.0002	07	-53 54 10.16	-0.015	07	0.18	55.307	15	38.6	9.98	18	38.6	B8	C9	6666	P -53 8305
72	8.9E	9.0Z	58 0.370	0.0007	12	-50 46 54.29	-0.006	12	0.65	0.337	36	04.6	54.02	36	04.6	B9	CZ	15678	P -50 9798
73	8.8	8.0W	58 3.699	0.0046	04	-54 4 47.96	0.011	04	0.17	3.647	15	38.6	48.08	18	38.6	K0	C9	6667	P -53 8306
74	9.2	9.6W	58 3.880	0.0020	06	-54 51 15.51	0.017	06	0.18	3.857	15	38.6	15.69	18	38.6	B9	C9	6668	P -54 7970
75	10.0	9.4W	58 10.455	0.0043	15	-55 51 22.76	-0.093	15	0.24	10.405	15	38.6	21.69	18	38.6	G2	C9	6669	P*-55 7807
76	9.2E	9.2H	58 11.895	-0.0001	12	-50 6 29.85	-0.013	12	0.70	11.901	45	04.6	29.26	45	04.6	K0	CZ	15681	P -49 9723
77		7.5T	58 16.752	-0.0071	13	-56 36 22.36	-0.094	11	0.62	17.115	21	03.4	17.53	18	98.8	F8	GC	22930	P -56 7952
78	9.0	9.3W	58 20.374	-0.0009	07	-58 50 2.66	-0.010	07	0.14	20.378	14	45.6	2.62	14	45.6	B9	CD	5430	P -58 6972
79	9.2E	8.5Z	58 20.939	0.0012	12	-51 37 32.62	0.006	12	0.81	20.886	63	04.6	32.88	57	04.6	K0	CZ	15684	P -5110122
80	9.2E	9.0Z	58 32.626	0.0014	12	-51 6 41.11	0.004	12	0.81	32.561	63	04.6	41.30	57	04.6	B9	CZ	15687	P -50 9801
81		7.2T	58 39.963	-0.0023	17	-54 29 20.97	-0.052	13	0.74	40.067	22	04.8	18.42	19	00.6	A2	GC	22943	P -54 7980
82	9.9	9.9W	58 40.084	0.0024	06	-54 49 20.46	-0.007	06	0.18	40.057	15	38.6	20.39	18	38.6	F0	C9	6671	P -54 7978
83	10.2	10.0W	58 46.067	0.0014	14	-57 2 25.81	-0.001	14	0.15	46.061	14	45.6	25.82	14	45.6	A0	CD	5431	P -56 7959
84		7.7T	58 47.838	0.0023	14	-58 28 34.76	-0.044	11	0.57	47.733	18	08.0	32.78	17	04.9	F5	GC	22946K	P*-58 6975
85	9.9	9.8W	58 54.883	-0.0057	09	-58 40 5.25	-0.007	09	0.15	54.908	14	45.6	5.22	14	45.6	F0	CD	5433	P -58 6976
86		7.0T	59 1.164	-0.0054	15	-50 5 20.99	-0.024	13	0.74	1.427	22	01.6	19.74	21	97.8	A0	GC	22952K	C*-4911131
87	9.5	9.2W	59 2.830	-0.0001	06	-56 49 39.98	-0.038	06	0.14	2.831	14	45.6	39.81	14	45.6	F2	CD	5434	P -56 7963
88		5.4T	59 8.596	-0.0001	06	-53 9 51.06	-0.143	04	0.27	8.599	12	07.9	43.60	12	97.7	F8	GC	22956K	P*-53 8316
89	9.8	9.9W	59 13.353	0.0032	07	-55 10 7.83	-0.003	07	0.18	13.316	15	38.6	7.79	18	38.6	B9	C9	6673	P -55 7823
90	9.1	9.3W	59 23.010	0.0003	07	-52 14 47.47	-0.008	07	0.18	23.007	15	38.6	47.37	18	38.6	B8	C9	6674	P -5210409
91		7.6T	59 27.612	-0.0012	17	-50 19 54.80	0.015	13	0.77	27.671	19	02.1	55.57	18	99.0	F2	GC	22967	C -5010971
92	8.2	8.5W	59 27.992	0.0013	07	-54 17 12.16	-0.015	07	0.18	27.977	15	38.6	11.98	18	38.6	B8	C9	6675	P -54 7992
93		7.9T	59 32.119	0.0013	15	-51 7 56.81	0.005	13	0.66	32.064	19	08.0	57.06	19	01.7	A3	GC	22970	C -5110659
94	9.9	9.0W	59 42.072	0.0002	06	-57 29 34.94	-0.006	06	0.14	42.071	14	45.6	34.92	14	45.6	K0	CD	5436	P -57 8260
95	9.7	9.9W	59 46.498	0.0014	14	-56 26 20.63	0.017	14	0.15	46.491	14	45.6	20.71	14	45.6	B9	CD	5437	P -56 7974
96	9.0	9.3W	59 56.706	0.0008	07	-52 13 16.06	-0.016	07	0.18	56.697	15	38.6	15.88	18	38.6	B5	C9	6676	P -5210415
97	9.9	8.6W	17 0 0.063	-0.0013	07	-58 57 8.02	-0.023	07	0.14	0.068	14	45.6	7.91	14	45.6	K5	CD	5438	P -58 6981
98		9.5T	0 5.654	-0.0003	11	-51 0 45.96	0.002	12	0.64	5.669	21	97.4	46.07	19	96.3	B8	GC	22981K	C -5010977
99	10.9E	9.5Z	0 6.070	-0.0012	12	-51 0 57.00	-0.006	12	0.70	6.123	45	04.6	56.73	45	04.6	B8	CZ	15716	P -50 9813
00		8.7T	0 7.350	-0.0006	11	-51 0 49.87	0.015	12	0.65	7.380	21	97.9	50.67	19	96.8	B8	GC	22982K	C -5010978

244400

-50° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1		5.9T	17 0 8.670	-0.0009	07	-57 38 32.82	-0.027	06	0.29	8.706	12	11.2	31.69	12	08.0	B3		GC	22983	P*-57 8265
2	8.2	8.2W	0 12.802	0.0032	07	-55 30 23.04	-0.022	07	0.18	12.765	15	38.6	22.79	18	38.6	A5		C9	6677	P -55 7841
3	9.6	9.2W	0 13.993	0.0014	09	-59 48 43.48	-0.037	09	0.15	13.987	14	45.6	43.32	14	45.6	G0		C0	5440	P -59 6896
4	9.8	10.1W	0 27.896	-0.0005	11	-58 40 22.94	-0.005	11	0.15	27.898	14	45.6	22.92	14	45.6	A0		C0	5441	P -58 6984
5	9.6E	9.8Z	0 29.829	-0.0001	12	-51 18 24.95	0.003	12	0.81	29.832	63	04.6	25.09	57	04.6			CZ	15724	P -5110141
6	8.0	8.4W	0 32.124	-0.0010	06	-58 52 25.10	-0.019	06	0.14	32.128	14	45.6	25.02	14	45.6	B8		C0	5442	P -58 6985
7	10.1	10.1W	0 32.680	-0.0059	09	-52 6 5.19	-0.071	09	0.20	32.747	15	38.6	4.38	18	38.6	F9	○	C9	6678	P -5110140
8	9.0	8.9W	0 34.324	0.0015	06	-53 32 6.86	-0.015	06	0.18	34.307	15	38.6	6.68	18	38.6	F0		C9	6679	P -53 8332
9	8.6E	9.0Z	0 49.232	0.0014	12	-51 20 21.54	-0.009	12	0.81	49.166	63	04.6	21.14	57	04.6	B3P		CZ	15727	P -5110144
10	8.9	9.0W	0 50.010	-0.0004	07	-56 11 17.65	0.014	07	0.14	50.011	14	45.6	17.71	14	45.6	A0		C0	5443	P -56 7982
11	7.6E	7.9M	0 55.559	0.0014	12	-50 0 8.89	-0.011	12	0.62	55.491	28	02.8	8.39	26	02.8	B8		CZ	15739	P -49 9745
12	9.2	9.4W	0 58.943	-0.0047	07	-52 18 25.11	-0.029	07	0.18	58.997	15	38.6	24.78	18	38.6	A0		C9	6680	P -5210420
13	8.5	8.8W	1 0.429	-0.0004	06	-57 0 28.98	-0.014	06	0.14	0.431	14	45.6	28.92	14	45.6	A0		C0	5444	P -56 7983
14	9.4	8.0W	1 5.835	-0.0033	07	-58 0 30.15	-0.008	07	0.14	5.850	14	45.6	30.12	14	45.6	MA		C0	5445	P*-57 8272
15	9.0	9.2W	1 6.756	0.0017	07	-52 38 45.82	-0.004	07	0.18	6.737	15	38.6	45.78	18	38.6	B8		C9	6681	P -5210424
16		8.9T	1 8.786	0.0011	11	-56 4 14.33	0.001	08	0.49	8.727	19	04.1	14.37	18	95.7	K0		GC	23010	P -55 7851
17	9.8	9.7W	1 16.179	-0.0007	07	-54 32 10.20	-0.027	07	0.18	16.187	15	38.6	9.89	18	38.6	A5		C9	6683	P -54 8008
18	9.5E	9.5Z	1 20.294	-0.0004	12	-51 28 45.02	-0.008	12	0.81	20.311	63	04.6	44.66	57	04.6	A5		CZ	15734	P -5110151
19	9.3	9.5W	1 22.137	0.0027	07	-55 12 31.36	-0.023	07	0.18	22.106	15	38.6	31.09	18	38.6	B9		C9	6684	P -55 7857
20	9.4	9.0W	1 24.543	0.0005	06	-57 0 53.89	-0.040	06	0.14	24.541	14	45.6	53.72	14	45.6	G5		C0	5446	P -56 7985
21	9.8E	10.0Z	1 25.402	0.0006	12	-50 39 18.07	-0.021	12	0.70	25.374	45	04.6	17.13	45	04.6	A5		CZ	15735	P -50 9819
22	9.8	9.8W	1 29.820	-0.0015	07	-52 44 17.05	-0.024	07	0.18	29.837	15	38.6	16.78	18	38.6	A3		C9	6685	P -5210428
23	10.0E	9.5Z	1 30.883	-0.0000	12	-51 49 6.80	-0.017	12	0.65	30.884	31	02.0	5.97	31	02.0	F0		CZ	15736	P -5110153
24	9.2	9.2W	1 33.654	-0.0013	07	-57 54 5.55	-0.008	07	0.14	33.660	14	45.6	5.51	14	45.6	A3		C0	5447	P -57 8280
25	9.8	10.0W	1 34.533	-0.0008	13	-59 59 4.81	0.002	13	0.15	34.537	14	45.6	4.82	14	45.6	A0		C0	5448	P -59 6897
26	9.1	9.4W	1 34.710	-0.0006	07	-53 41 54.81	-0.011	07	0.18	34.717	15	38.6	54.68	18	38.6	B8		C9	6686	P -53 8344
27	10.1	10.1W	1 34.836	0.0017	12	-59 23 17.02	-0.024	12	0.15	34.828	14	45.6	16.92	14	45.6	A0		C0	5449	P -59 6899
28	10.1E	9.5Z	1 44.865	0.0010	12	-50 49 0.59	-0.007	12	0.70	44.819	45	04.6	0.28	45	04.6	G5		CZ	15741	P -50 9820
29	9.4E	9.5*	1 49.001	-0.0033	12	-50 53 16.01	0.012	12	0.64	49.155	31	02.9	16.58	28	02.9	F8		CZ	15744	P -50 9822
30	9.9	10.1W	2 1.757	0.0014	07	-56 32 12.13	-0.026	07	0.14	1.751	14	45.6	12.02	14	45.6	A1	○	C0	5451	P -56 7994
31	9.8	8.8W	2 6.114	0.0008	07	-58 9 2.99	-0.040	07	0.14	6.110	14	45.6	2.82	14	45.6	K2		C0	5452	P -58 6991
32	8.0	8.3W	2 6.479	-0.0016	07	-52 27 35.84	-0.049	07	0.18	6.497	15	38.6	35.28	18	38.6	A0		C9	6687	P -5210434
33	9.0	9.2W	2 8.100	-0.0006	07	-51 59 6.67	-0.017	07	0.18	8.107	15	38.6	6.48	18	38.6	B9		C9	6688	P -5110157
34	9.6	9.6W	2 11.430	-0.0032	07	-54 16 14.13	0.005	07	0.18	11.467	15	38.6	14.18	18	38.6	A0		C9	6689	P -54 8021
35	8.0	8.4W	2 16.922	0.0004	07	-52 24 55.13	-0.031	07	0.18	16.917	15	38.6	54.78	18	38.6	B8		C9	6690	P -5210438
36	10.4	10.3W	2 18.027	0.0025	11	-59 33 22.18	-0.014	11	0.15	18.017	14	45.6	22.12	14	45.6	A5	○	C0	5453	P -59 6902
37	9.9	8.7W	2 23.122	-0.0031	07	-52 9 54.25	-0.015	07	0.18	23.157	15	38.6	54.07	18	38.6	K2		C9	6691	P -5210439
38	8.5	8.8W	2 27.725	0.0008	06	-55 36 55.79	-0.008	06	0.18	27.715	15	38.6	55.69	18	38.6	B8		C9	6692	P -55 7865
39	10.0	9.2W	2 29.017	-0.0029	07	-57 47 57.73	-0.004	07	0.14	29.030	14	45.6	57.72	14	45.6	K0		C0	5454	P -57 8292
40	10.1	9.1W	2 37.731	-0.0005	07	-52 30 50.50	-0.046	07	0.18	37.737	15	38.6	49.98	18	38.6	K0		C9	6693	P -5210444
41	9.9E	9.7Z	2 43.445	0.0013	12	-50 34 32.55	-0.005	12	0.70	43.384	45	04.6	32.33	45	04.6			CZ	15761	P -50 9830
42		8.1T	2 49.975	0.0008	16	-55 58 18.75	-0.017	12	0.70	49.935	22	04.7	17.89	19	00.3	A0		GC	23055	P -55 7868
43		7.5T	3 5.891	-0.0000	13	-59 36 3.54	-0.021	10	0.57	5.891	19	07.2	2.54	18	03.0	K2		GC	23062	P -59 6903
44	10.0	10.0W	3 6.597	-0.0009	07	-53 23 44.91	-0.011	07	0.18	6.607	15	38.6	44.78	18	38.6	A0		C9	6695	P -53 8366
45	9.7	8.7W	3 17.341	-0.0004	06	-55 39 5.04	-0.031	06	0.18	17.345	15	38.6	4.69	18	38.6	G5		C9	6696	P -55 7874
46	8.2	8.5W	3 20.814	-0.0003	07	-53 1 49.23	-0.040	07	0.18	20.817	15	38.6	48.78	18	38.6	B9		C9	6697	P -5210447
47	7.8	8.0W	3 24.341	-0.0005	06	-53 41 20.02	-0.082	06	0.18	24.347	15	38.6	19.08	18	38.6	A2		C9	6698	P -53 8370
48	8.7E	8.2Z	3 24.609	0.0013	12	-50 56 7.46	0.000	12	0.70	24.549	45	04.6	7.47	45	04.6	K0		CZ	15769	P -50 9833
49	9.2	9.3W	3 30.480	0.0001	10	-58 7 35.95	-0.032	10	0.15	30.480	14	45.6	35.82	14	45.6	A2		C0	5457	P -58 6998
50	8.8E	8.5Z	3 30.597	0.0000	12	-50 39 29.18	0.005	12	0.64	30.596	31	02.8	29.42	28	02.8	B8		CZ	15773	P -50 9835
51	9.9	10.0W	17 3 32.221	-0.0040	15	-52 24 33.09	0.025	15	0.24	32.267	15	38.6	33.38	18	38.6	A0		C9	6699	P -5210453
52	9.7E	9.5Z	3 35.353	0.0025	12	-50 16 3.33	-0.017	12	0.65	35.241	36	04.6	2.56	36	04.6	G5		CZ	15775	P -50 9838
53	8.5E	8.7Z	3 35.758	0.0019	12	-50 54 6.56	-0.002	12	0.65	35.671	36	04.6	6.48	36	04.6	A0		CZ	15774	P -50 9837
54	9.7	10.0W	3 45.703	-0.0002	07	-55 36 17.67	-0.034	07	0.18	45.705	15	38.6	17.29	18	38.6	A0		C9	6700	P -55 7880
55	9.2	9.5W	4 0.806	-0.0010	07	-57 5 13.48	-0.015	07	0.14	0.811	14	45.6	13.42	14	45.6	B8		C0	5458	P -56 8023
56	10.5	10.2W	4 7.149	-0.0021	09	-59 4 45.50	-0.020	09	0.15	7.158	14	45.6	45.41	14	45.6	G0	○	C0	5459	P -58 7000
57	9.7	9.6W	4 9.122	0.0013	07	-52 13 40.95	-0.015	07	0.18	9.107	15	38.6	40.78	18	38.6	A5		C9	6701	P -5210459
58	11.0E	9.8*	4 15.179	0.0006	12	-51 10 29.99	0.020	12	0.65	15.149	31	02.0	30.93	31	02.0			CZ	15788	P -5110175
59	10.2	10.1W	4 31.387	-0.0026	12	-58 57 2.75	-0.008	12	0.15	31.398	14	45.6	2.72	14	45.6	A3		C0	5460	P -58 7001
60	10.1	9.6W	4 38.491	0.0039	07	-55 25 34.03	-0.056	07	0.18	38.446	15	38.6	33.39	18	38.6	G5		C9	6702	P -55 7895
61	8.0	8.4W	4 47.365	0.0019	06	-59 44 58.47	-0.013	06	0.14	47.357	14	45.6	58.42	14	45.6	B8		C0	5461	P -59 6907
62	9.8	8.8W	4 51.233	0.0005	08	-53 19 36.07	-0.017	08	0.19	51.227	15	38.6	35.87	18	38.6	A2		C9	6703	P -53 8398
63	8.4E	8.5Z	5 0.109	0.0006	12	-50 30 1.35	-0.006	12	0.70	0.081	45	04.6	1.10	45	04.6	A0		CZ	15808	P -50 9861
64	9.6	9.9W	5 6.820	0.0001	11	-58 6 15.94	-0.006	11	0.15	6.820	14	45.6	15.92	14	45.6	A0		C0	5462	P -58 7004
65	9.0E	8.5Z	5 7.978	0.0001	12	-50 30 1.90	-0.015	12	0.70	7.973	45	04.6	1.24	45	04.6	K0		CZ	15810	P -50 9863
66	8.9	9.0W	5 13.485	0.0010	07	-56 46 14.05	-0.008	07	0.14	13.481	14	45.6	14.02	14	45.6	B9		C0	5463	P -56 8035
67	9.4	9.0W	5 21.187	0.0053	06	-53 19 42.27	0.009	06	0.18	21.127	15	38.6	42.38	18	38.6	G0		C9	6704	P*-53 8405
68	7.4E	8.0Z	5 32.670	0.0030	12	-51 49 24.33	-0.009	12	0.81	32.533	63	04.6	23.94	57	04.6	A5		CZ	15814	P -5110185
69	8.9	9.2W	5 39.161	-0.0001	07	-56 13 8.11	-0.002	07	0.14	39.161	14	45.6	8.11	14	45.6	B9		C0	5464	P -56 8037
70	9.0	8.2W	5 40.053	-0.0091	06	-54 16 18.75	-0.014	06	0.18	40.157	15	38.6	18.58	18	38.6	K0		C9	6705	P -54 8046
71		9.1W	5 43.326	-0.0018	07	-52 20 26.45	-0.094	07	0.18	43.347	15	38.6	25.38	18	38.6	G0		C9	6706	P*-5210471
72	9.6E	9.6Z	5 44.656	0.0017	12	-51 55 51.93	-0.012	12	0.81	44.581	63	04.6	51.40	57	04.6	A2		CZ	15817	P -5110186
73	9.6	9.2W	5 49.192	0.0004	07	-52 36 1.86	-0.025	07	0.18	49.187	15	38.6	1.58	18	38.6	G0		C9	6707	P -5210472
74	10.0	9.0W	5 51.570	0.0021	07	-56 48 10.58	0.009	07	0.14	51.561	14	45.6	10.62	14	45.6	G5		C0	5465	P -56 8040
75	10.6E	10.0*	5 51.595	-0.0015	12	-51 1 44.92	-0.019	12	0.64	51.666	31	02.8	44.00	28	02.8			CZ	15820	P -50 9871
76	8.8	8.3W	5 52.915	0.0054	07	-56 23 5.24	-0.121	07	0.14	52.891	14	45.6	4.71	14	45.6	G5		C0	5466	P -56 8042
77	10.0	10.1W	5 59.431	0.0021	14	-52 0 1.33	-0.013	14	0.23	59.407	15	38.6	1.18	18	38.6	A0		C9	6708	P -5110189
78	9.0	8.9W	6 10.779	-0.0048	07	-57 56 31.38	-0.038	07	0.14	10.800	14	45.6	31.22	14	45.6	A2		C0	5467	P -57 8336
79	10.2		6 13.977	0.0009	07	-52 17 0.03	-0.031	07	0.18	13.967	15	38.6	59.68	18	38.6	A2	○	C9	6709	P -5210478
80	8.4	8.6W	6 15.619	-0.0022	07	-59 29 56.09	-0.039	07	0.14	15.628	14	45.6	55.92	14	45.6	A0		C0	5468	P -59 6909
81	9.4	8.6W	6 16.792	-0.0059	07	-58 39 42.71	-0.021	07	0.14	16.818	14	45.6	42.62	14	45.6	K0		C0	5469	P -58 7006
82	9.7E	9.5Z	6 17.164	-0.0016	12	-50 49 46.58	-0.035	12	0.70	17.237	45	04.6	44.97	45	04.6	F8		CZ	15828	P -50 9878
83	8.5E	8.5Z	6 17.887	0.0024	12	-51 48 34.90	-0.018	12	0.65	17.770	31	02.1	34.05	31	02.1	A2		CZ	15827	P -5110190
84	10.2	10.0W	6 24.431	-0.0036	14	-59 59 16.61	0.002	14	0.15	24.447	14	45.6	16.62	14	45.6	A0		C0	5470	P -59 6911
85	9.1	9.1W	6 29.620	-0.0002	07	-57 6 9.55	-0.007	07	0.14	29.621	14	45.6	9.52	14	45.6	B9		C0	5471	P -57 8342
86	9.5	9.7W	6 34.758	-0.0008	06	-53 52 48.68	-0.017	06	0.18	34.767	15	38.6	48.48	18	38.6	B8		C9	6711	P -53 8420
87	10.4		6 44.005	-0.0053	11	-58 57 40.20	0.003	11	0.15	44.028	14	45.6	40.22	14	45.6	A0		C0	5472	P -58 7007
88	9.9	10.1W	6 46.039	-0.0063	13	-59 41 2.61	0.002	13	0.15	46.067	14	45.6	2.62	14	45.6	A0		C0	5473	P -59 6913
89		6.8T	6 51.454	0.0019	12	-57 57 50.01	-0.014	08	0.52	51.351	19	04.1	49.27	18	96.5	K0		GC	23143	P*-57 8347
90		9.4T	6 54.455	-0.0041	26	-50 3 32.96	-0.022	20	1.02	54.633	24	07.0	31.98	24	05.2	G0		GC	23144	C -4911211
91		7.0T	7 2.470	0.0127	17	-56 37 7.01	-0.053	13	0.75	1.834	22	04.1	4.34	19	99.9	G0		GC	23146	P -56 8059
92	10.2	9.8W	7 4.561	0.0021	14	-51 59 21.48	-0.026	14	0.23	4.537	15	38.6	21.18	18	38.6	F8		C9	6714	P -5110195
93	9.1	9.0W	7 4.617	-0.0052	06	-57 53 38.34	-0.051	06	0.14	4.640	14	45.6	38.12	14	45.6	F0		C0	5476	P -57 8348
94	9.7	9.2W	7 6.737	0.0038	07	-57 2 20.94	-0.050	07	0.14	6.721	14	45.6	20.72	14	45.6	G5		C0	5477	P -56 8061
95	9.4	8.0W	7 13.711	0.0021	07	-53 45 49.10	-0.001	07	0.18	13.687	15	38.6	49.08	18	38.6	K5		C9	6715	P -53 8431
96	8.3E	8.5Z	7 14.740	-0.0009	12	-51 52 29.52	-0.051	12	0.81	14.779	63	04.6	27.21	57	04.6	F5		CZ	15841	P -5110198
97	9.1	7.6W	7 19.940	0.0004	06	-59 6 24.45	0.016	06	0.14	19.938	14	45.6	24.52	14	45.6	K5		C0	5478	P -59 6918
98		7.3T	7 22.928	-0.0019	16	-58 45 14.10	-0.007	12	0.66	23.017	19	07.1	13.77	18	03.5	B9		GC	23155	P -58 7009
99	9.8E	9.8Z	7 23.401	0.0007	12	-50 6 15.67	0.001	12	0.70	23.371	45	04.6	15.73	45	04.6			CZ	15846	P -50 9885
00	8.9	8.8W	7 26.762	0.0022	07	-52 24 30.85	-0.050	07	0.18	26.737	15	38.6	30.28	18	38.6	F0		C9	6716	P -5210490

244500			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-50° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01							
1	10.0E	9.0Z	17 7 27.385	0.0006	12	-51 1 19.84	-0.000	12	0.70	27.358	45	04.6	19.83	45	04.6	KO		CZ	15847	P -50 9886	
2		7.5T	7 33.993	-0.0006	17	-50 3 29.40	-0.009	13	0.78	34.024	19	01.6	28.93	18	98.3	AO		SC	23162	C -4911216	
3	10.3	9.3W	7 34.547	-0.0026	11	-59 1 25.04	-0.029	11	0.15	34.558	14	45.6	24.92	14	45.6	KO		CO	5480	P -58 7010	
4	9.7	9.7W	7 37.274	0.0015	15	-52 41 15.33	-0.005	15	0.24	37.257	15	38.6	15.27	18	38.6	A2		C9	6717	P -5210491	
5	8.0	8.3W	7 42.641	0.0014	07	-55 34 10.18	-0.007	07	0.18	42.625	15	38.6	10.09	18	38.6	B8		C9	6718	P -55 7931	
6	10.5	8.7W	7 43.987	-0.0031	08	-56 46 43.98	-0.038	08	0.14	44.001	14	45.6	43.81	14	45.6	K5		CO	5481	P -56 8077	
7	10.2	10.3W	7 48.721	-0.0021	13	-57 53 46.69	-0.017	13	0.15	48.730	14	45.6	46.62	14	45.6	AO		CO	5482	P -57 8356	
8	10.2		8 6.910	-0.0006	07	-55 9 40.31	-0.001	07	0.18	6.916	15	38.6	40.29	18	38.6	A2		C9	6720	P -55 7938	
9	9.4	9.2W	8 10.231	-0.0020	07	-58 23 53.39	-0.018	07	0.14	10.240	14	45.6	53.31	14	45.6	F0		CO	5483	P -58 7011	
10	9.2	9.1W	8 11.773	-0.0003	07	-55 19 44.38	-0.043	07	0.18	11.776	15	38.6	43.89	18	38.6	F5		C9	6721	P -55 7939	
11		7.3T	8 13.199	0.0002	12	-53 18 56.73	-0.001	10	0.54	13.189	18	06.4	56.70	18	99.8	M0		SC	23176	P -53 8445	
12	7.8	8.1W	8 15.953	0.0014	07	-52 14 17.86	-0.016	07	0.18	15.937	15	38.6	17.67	18	38.6	AO		C9	6723	P -5210498	
13	9.3	8.2W	8 21.133	-0.0004	07	-52 41 23.33	0.004	07	0.18	21.137	15	38.6	23.38	18	38.6	KO		C9	6724	P -5210499	
14	9.3	8.5W	8 27.057	-0.0009	07	-56 37 25.53	-0.004	07	0.14	27.060	14	45.6	26.52	14	45.6	A0		CO	5484	P -56 8082	
15	9.3	8.8W	8 27.404	0.0028	07	-56 20 35.58	0.029	07	0.14	27.391	14	45.6	35.71	14	45.6	G5		CO	5485	P -56 8083	
16	9.1	8.9W	8 31.188	-0.0072	09	-58 6 43.27	-0.080	09	0.15	31.220	14	45.6	42.92	14	45.6	G0		CO	5486	P -58 7012	
17	10.0E	9.5Z	8 31.739	0.0019	12	-51 48 23.07	0.004	12	0.81	31.651	63	04.6	23.26	57	04.6	K0		CZ	15863	P -5110209	
18		7.0T	8 38.891	-0.0078	12	-58 32 11.20	-0.096	09	0.54	39.273	19	04.8	6.48	17	00.9	F2		SC	23183K	P*-58 7014	
19	9.8	8.3W	8 40.994	-0.0009	08	-58 51 7.41	0.002	08	0.14	40.998	14	45.6	7.42	14	45.6	K2		CO	5488	P -58 7013	
20	10.1	10.0W	8 46.660	-0.0005	15	-55 39 5.97	0.019	15	0.24	46.665	15	38.6	6.19	18	38.6	A2		C9	6726	P -55 7944	
21	9.8	9.6W	8 48.483	0.0023	15	-52 52 43.39	0.043	15	0.24	48.457	15	38.6	43.87	18	38.6	F2		C9	6727	P -5210504	
22		7.2T	8 56.760	0.0008	13	-54 47 31.63	-0.039	12	0.64	56.720	21	02.8	29.72	21	00.6	K0		SC	23190	P*-54 8096	
23	9.9	10.0W	9 1.306	-0.0035	07	-55 33 19.45	0.003	07	0.18	1.345	15	38.6	19.49	18	38.6	F0		C9	6729	P -55 7947	
24	9.6	8.8W	9 2.993	0.0014	07	-55 19 58.37	0.011	07	0.18	2.976	15	38.6	58.49	18	38.6	K0		C9	6730	P -55 7948	
25	9.5	9.5W	9 8.950	0.0008	07	-59 31 19.20	-0.021	07	0.14	8.946	14	45.6	19.11	14	45.6	A3		CO	5489	P -59 6922	
26	9.2	9.4W	9 15.189	0.0019	07	-53 36 27.88	-0.017	07	0.18	15.167	15	38.6	27.68	18	38.6	B8		C9	6731	P*-53 8461	
27	9.2	9.1W	9 16.330	0.0021	07	-55 17 16.36	-0.041	07	0.18	16.306	15	38.6	15.89	18	38.6	F0		C9	6732	P -55 7952	
28	9.2E	9.5Z	9 17.313	0.0033	12	-51 44 48.92	0.000	12	0.81	17.161	63	04.6	48.93	57	04.6	A3		CZ	15873	P -5110217	
29	9.5	8.9W	9 22.750	-0.0033	07	-53 2 52.05	0.029	07	0.18	22.787	15	38.6	52.38	18	38.6	G5		C9	6733	P -5210513	
30	9.6E	9.5Z	9 24.444	0.0034	12	-51 46 27.10	-0.012	12	0.65	24.279	31	02.0	26.54	31	02.0	A5		CZ	15877	P -5110221	
31	10.4	9.6W	9 28.683	-0.0034	09	-59 14 37.45	-0.030	09	0.15	28.698	14	45.6	37.32	14	45.6	K0		CO	5490	P -59 6923	
32	7.7	8.1W	9 31.288	0.0010	06	-53 24 13.97	0.001	06	0.18	31.277	15	38.6	13.98	18	38.6	B8		C9	6734	P -53 8467	
33	9.8E	9.0Z	9 32.392	0.0007	12	-51 49 10.94	-0.004	12	0.81	32.358	63	04.6	10.76	57	04.6			CZ	15878	P -5110224	
34	10.1	9.8W	9 39.017	0.0044	09	-54 21 50.12	-0.064	09	0.20	38.967	15	38.6	49.38	18	38.6	G3	O	C9	6735	P*-54 8105	
35	9.2E	9.0Z	9 39.496	0.0002	12	-51 49 32.46	-0.018	12	0.81	39.485	63	04.6	31.65	57	04.6	A2		CZ	15879	P -5110228	
36		7.0T	9 39.669	-0.0037	15	-56 44 31.54	-0.037	11	0.66	39.656	21	04.0	29.65	19	99.4	F5		SC	23214	P -56 8091	
37	10.0	10.1W	9 40.879	-0.0021	09	-59 5 27.58	-0.015	09	0.15	40.888	14	45.6	27.52	14	45.6	A2		CO	5492	P -58 7022	
38	9.0	9.0W	9 41.717	0.0035	07	-53 31 21.98	-0.052	07	0.18	41.677	15	38.6	21.38	18	38.6	A0		C9	6736	P -53 8470	
39		6.0T	9 59.427	-0.0013	13	-56 49 49.71	0.004	10	0.62	59.494	21	02.3	49.90	18	97.7	K5		SC	23217	P -56 8098	
40	8.7E	8.0Z	10 3.792	0.0016	12	-50 30 25.06	-0.008	12	0.62	3.717	28	03.3	24.71	26	03.3	A5		CZ	15886	P -50 9912	
41	9.6	9.7W	10 6.096	-0.0045	15	-52 32 27.95	0.011	15	0.24	6.147	15	38.6	28.08	18	38.6	A2		C9	6738	P -5210520	
42	9.3	9.6W	10 11.357	0.0018	09	-52 2 28.97	-0.008	09	0.20	11.337	15	38.6	28.88	18	38.6	B5		C9	6739	P -5110232	
43	10.3	9.4W	10 20.003	0.0014	07	-52 1 5.81	-0.012	07	0.18	19.987	15	38.6	5.68	18	38.6	K0		C9	6740	P -5110236	
44		8.0T	10 20.944	-0.0029	16	-55 57 0.21	-0.000	12	0.70	21.088	22	04.7	0.20	19	00.4	B5		SC	23227	P -55 7965	
45	9.8	9.4W	10 21.324	0.0035	11	-59 12 14.28	-0.015	11	0.15	21.308	14	45.6	14.22	14	45.6	F5		CO	5497	P -59 6924	
46	8.2	8.6W	10 28.367	-0.0009	07	-54 18 45.85	0.003	07	0.18	28.377	15	38.6	45.88	18	38.6	B8		C9	6742	P -54 8115	
47	9.7	9.2W	10 38.815	-0.0037	07	-53 38 27.52	-0.073	07	0.18	38.857	15	38.6	26.68	18	38.6	G1	O	C9	6743	P -53 8481	
48	10.5	10.2W	10 43.758	-0.0008	09	-53 40 0.50	-0.010	09	0.20	43.767	15	38.6	0.38	18	38.6	F6	O	C9	6744	P -53 8482	
49	9.9	9.7W	10 49.464	-0.0029	07	-55 19 44.20	-0.027	07	0.18	49.496	15	38.6	43.89	18	38.6	A5	O	C9	6745	P*-55 7973	
50	9.2	9.0W	10 53.317	-0.0035	15	-52 14 56.68	-0.018	15	0.24	53.357	15	38.6	56.48	18	38.6	G0		C9	6746	P*-5210527	
51	7.5	7.9W	17 10 57.049	-0.0001	06	-57 45 42.08	-0.014	06	0.14	57.050	14	45.6	42.02	14	45.6	B9		CO	5498	P -57 8391	
52	10.2	9.1W	10 57.232	0.0005	09	-58 21 15.82	-0.023	09	0.15	57.230	14	45.6	15.72	14	45.6	K0		CO	5499	P -58 7026	
53	9.9E	9.4Z	11 1.011	0.0021	12	-50 28 56.72	0.022	12	0.70	0.918	45	04.6	57.74	45	04.6	G0		CO	15896	P -50 9919	
54	9.9	9.0W	11 6.876	0.0012	07	-57 1 39.85	-0.030	07	0.14	6.871	14	45.6	39.72	14	45.6	G5		CO	5500	P -56 8107	
55	9.8E	9.5Z	11 12.290	0.0007	12	-50 19 2.87	-0.017	12	0.70	12.260	45	04.6	2.12	45	04.6	A2		CZ	15903	P -50 9921	
56	8.2E	8.2Z	11 26.505	0.0039	12	-51 23 2.40	0.003	12	0.81	26.326	63	04.6	2.51	57	04.6	G5		CZ	15906	P -5110243	
57	9.7	9.5W	11 28.246	-0.0018	07	-54 48 20.51	-0.010	07	0.18	28.267	15	38.6	20.39	18	38.6	A5		C9	6748	P -54 8130	
58	8.2	8.6W	11 28.624	-0.0032	07	-59 22 49.23	-0.027	07	0.14	28.638	14	45.6	49.11	14	45.6	A0		CO	5501	P -59 6925	
59	10.5	9.6W	11 32.421	-0.0023	09	-57 27 16.54	-0.005	09	0.15	32.431	14	45.6	16.51	14	45.6	A5		CO	5502	P -57 8394	
60	9.4	9.2W	11 33.423	0.0006	06	-58 12 41.11	0.002	06	0.14	33.420	14	45.6	41.12	14	45.6	F0		CO	5503	P -58 7027	
61	9.1E	8.2Z	11 33.686	0.0012	12	-50 48 26.04	-0.112	12	0.70	33.631	45	04.6	20.94	45	04.6	K0		CZ	15909	P -50 9924	
62		7.3T	11 49.873	-0.0001	16	-51 1 38.36	-0.007	12	0.75	49.877	19	00.8	38.00	18	97.3	B8		SC	23254	C -5011118	
63	9.8	9.9W	11 51.499	-0.0032	07	-56 3 27.55	-0.022	07	0.18	51.535	15	38.6	27.29	18	38.6	A0		C9	6750	P -55 7981	
64	9.0E	9.1Z	11 52.857	0.0015	12	-50 16 24.00	-0.004	12	0.70	52.791	45	04.6	23.83	45	04.6	B9		CZ	15914	P -50 9932	
65	8.3	8.3W	11 53.037	0.0008	07	-53 19 16.98	-0.035	07	0.18	53.497	15	38.6	16.58	18	38.6	F0		C9	6751	P -53 8493	
66	9.1	7.8W	11 55.476	-0.0001	06	-53 53 11.81	-0.002	06	0.18	55.477	15	38.6	11.78	18	38.6	K5		C9	6752	P -53 8492	
67	10.5		11 56.296	0.0017	14	-59 26 4.07	0.010	14	0.15	56.288	14	45.6	4.12	14	45.6	B0	O	CO	5504	P -59 6926	
68	8.7	7.5W	12 0.502	0.0004	07	-52 15 7.99	-0.036	07	0.18	0.497	15	38.6	7.58	18	38.6	K0		C9	6753	P -5210539	
69	10.0	9.8W	12 1.066	-0.0001	13	-59 44 0.16	-0.011	13	0.15	1.067	14	45.6	0.12	14	45.6	A5		CO	5505	P -59 6928	
70	9.9	9.9W	12 2.897	0.0016	07	-58 7 42.95	-0.007	07	0.14	2.890	14	45.6	42.92	14	45.6	A2		CO	5506	P -58 7032	
71	9.4	9.4W	12 23.739	-0.0007	07	-55 26 45.45	0.030	07	0.18	23.746	15	38.6	45.79	18	38.6	A2		C9	6754	P -55 7992	
72	9.2	8.7W	12 26.329	-0.0007	07	-55 15 20.99	-0.008	07	0.18	26.336	15	38.6	20.89	18	38.6	F8		C9	6755	P -55 7994	
73	10.0	9.6W	12 29.638	0.0011	07	-56 0 16.66	0.020	07	0.18	29.626	15	38.6	16.89	18	38.6	F8	O	C9	6756	P -55 7993	
74	10.1	9.1W	12 34.609	-0.0051	07	-53 48 47.76	-0.024	07	0.18	34.667	15	38.6	47.48	18	38.6	G6	O	C9	6757	P -53 8505	
75	10.4E	9.5*	12 37.608	0.0014	12	-51 48 5.77	-0.016	12	0.65	37.539	31	02.0	5.01	31	02.0			CZ	15928	P -5110255	
76	9.6	9.2W	12 40.772	0.0028	11	-58 22 45.83	-0.025	11	0.15	40.760	14	45.6	45.72	14	45.6	G0		CO	5507	P -58 7037	
77	9.7	9.4W	12 41.159	-0.0003	07	-56 36 39.94	-0.028	07	0.14	41.161	14	45.6	39.82	14	45.6	G0		CO	5508	P -56 8120	
78	8.5	8.5W	12 52.826	0.0017	06	-54 43 14.01	-0.002	06	0.18	52.807	15	38.6	13.99	18	38.6	A2		C9	6758	P -54 8156	
79	8.6	9.0W	12 53.341	0.0006	09	-58 59 10.80	0.004	09	0.15	53.338	14	45.6	10.82	14	45.6	B8		CO	5510	P -58 7041	
80	9.5E	9.2Z	12 55.037	-0.0074	12	-50 36 3.77	-0.131	12	0.70	55.373	45	04.6	-57.80	45	04.6	G5		CZ	15936	P -50 9945	
81	9.9	9.6W	12 58.241	-0.0022	10	-57 23 0.65	-0.008	10	0.15	58.251	14	45.6	0.62	14	45.6	F2		CO	5511	P -57 8404	
82	10.1	10.0W	13 4.558	-0.0025	07	-53 59 12.34	-0.013	07	0.18	4.587	15	38.6	12.18	18	38.6	A5	O	C9	6759	P*-53 8509	
83	9.1E	9.0H	13 23.074	0.0011	12	-50 8 38.08	-0.010	12	0.70	23.026	45	04.6	37.60	45	04.6	G0		CZ	15945	P -50 9946	
84	9.5	9.7W	13 27.045	-0.0029	13	-59 26 29.67	-0.012	13	0.15	27.058	14	45.6	29.62	14	45.6	A2		CO	5512	P -59 6941	
85	10.0	9.4W	13 28.382	-0.0092	15	-52 43 30.62	-0.039	15	0.24	28.487	15	38.6	30.17	18	38.6	F8		C9	6762	P -5210557	
86	9.2	9.0W	13 35.505	0.0011	06	-58 7 16.72	-0.025	06	0.14	35.500	14	45.6	16.62	14	45.6	F5		CO	5513	P -58 7051	
87	8.7	9.0W	13 37.926	-0.0001	07	-54 49 4.34	0.022	07	0.18	37.927	15	38.6	4.59	18	38.6	B9		C9	6763	P -54 8164	
88	9.7E	9.6Z	13 40.868	-0.0008	12	-50 18 6.16	-0.024	12	0.70	40.906	45	04.6	5.04	45	04.6			CZ	15950	P -50 9949	
89	9.5	9.5W	13 40.992	0.0031	15	-55 5 13.82	-0.002	15	0.24	40.956	15	38.6	13.79	18	38.6	A2		C9	6764	P -54 8165	
90	10.5	9.4W	13 42.647	-0.0009	08	-53 49 59.08	-0.008	08	0.19	42.657	15	38.6	58.98	18	38.6	G8	O	C9	6765	P -53 8516	
91	9.8E	9.4H	13 43.848	0.0009	12	-50 6 38.04	-0.012	12	0.70	43.809	45	04.6	37.52	45	04.6			CZ	15952	P -50 9952	
92	10.1E	9.7*	13 45.201	0.0011	12	-50 44 44.52	-0.009	12	0.64	45.149	31	02.9	44.08	28	02.9			CZ	15951	P -50 9951	
93	8.5	8.8W	13 48.786	-0.0001	07	-52 22 38.70	-0.002	07	0.18	48.787	15	38.6	38.68	18	38.6	B8		C9	6766	P -5210562	
94	10.3	9.2W	13 50.032	0.0013	09	-53 2 33.10	0.007	09	0.20	50.017	15	38.6	33.18	18	38.6	K0		C9	6767	P -5210561	
95	9.5	8.5W	13 57.205	0.0007	08	-51 57 45.62	-0.056	08	0.19	57.197	15	38.6	44.98	18	38.6	K2		C9	6768	P -5110269	
96	10.1	9.7W	13 57.513	-0.0065	09	-53 44 5.54	-0.040	09	0.20	57.587	15	38.6	5.08	18	38.6	F8	O	C9	6769	P -53 8519	
97	10.0	9.2W	14 4.007	-0.0003	13	-59 9 59.24	-0.005	13	0.15	4.008	14	45.6	59.22	14	45.6	K0		CO	5514	P -59 6949	
98	9.4E	8.9Z	14 7.782	-0.0003	12	-50 31 18.41	-0.037	12	0.70	7.795	45	04.6	16.75	45	04.6	K0		CZ	15963	P -50 9959	
99	10.1	10.1W	14 9.148	0.0001	09	-53 51 31.61	-0.011	09	0.20	9.147	15	38.6	31.48	18	38.6	A2	O	C9	6770	P -53 8520	
00	9.7	9.7W	14 11.004	-0.0064	15	-54 6 13.77	0.028	15	0.24	11.077	15	38.6	14.08	18	38.6	A0	O	C9	6771	P -54 8172	

244600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	$\sigma_{\delta 1950}$ ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-50° 17H DM NUMBER
1	8.5	8.6W	17 14 13.339	-0.0016	07	-52 42 13.47	-0.017	07	0.18	13.357	15	38.6	13.28	18	38.6	A2		C9	6772	P -5210564
2	9.9E	9.7Z	14 20.089	0.0007	12	-51 3 12.81	-0.004	12	0.70	20.056	45	04.6	12.61	45	04.6			CZ	15968	P -50 9962
3	9.8E	9.8Z	14 24.139	0.0017	12	-51 32 57.02	-0.018	12	0.81	24.064	63	04.6	56.18	57	04.6	A0		CZ	15970	P -5110272
4	9.1	7.9W	14 25.275	-0.0063	07	-52 56 38.30	-0.046	07	0.18	25.347	15	38.6	37.77	18	38.6	K2		C9	6774	P -5210567
5	8.1	8.4W	14 28.783	0.0005	07	-57 23 10.62	-0.025	07	0.14	28.781	14	45.6	10.52	14	45.6	B9		C0	5515	P -57 8423
6	9.5	9.7W	14 30.896	0.0015	06	-57 30 55.68	-0.015	06	0.14	30.890	14	45.6	55.62	14	45.6	A0		C0	5516	P -57 8424
7	10.0	10.1W	14 31.497	-0.0022	14	-59 44 33.24	0.016	14	0.15	31.507	14	45.6	33.32	14	45.6	F0		C0	5517	P -59 6953
8		7.1T	14 31.524	-0.0012	09	-50 9 27.52	-0.012	07	0.39	31.576	15	07.6	26.95	15	03.0	A0		GC	23333	C -5011158
9	10.1	10.0W	14 35.114	-0.0013	09	-57 35 23.82	-0.001	09	0.15	35.120	14	45.6	23.82	14	45.6	A		C0	5518	P -57 8426
10	9.9	9.8W	14 39.159	-0.0006	07	-55 35 35.28	-0.034	07	0.18	39.165	15	38.6	34.89	18	38.6	A5		C9	6775	P -55 8019
11	10.1	9.7W	14 39.805	-0.0012	08	-57 30 38.26	-0.010	08	0.14	39.810	14	45.6	38.22	14	45.6	F8		C0	5519	P -57 8428
12	9.1	9.3W	14 44.408	-0.0000	07	-58 57 37.32	0.000	07	0.14	44.408	14	45.6	37.32	14	45.6	A2		C0	5521	P -58 7059
13		6.0T	14 46.460	-0.0008	09	-59 38 32.96	-0.007	07	0.44	46.502	17	02.9	32.58	15	97.9	K2		GC	23340	P -59 6954
14	8.4	8.7W	14 51.687	-0.0011	07	-56 17 53.45	-0.010	07	0.14	51.692	14	45.6	53.41	14	45.6	A0		C0	5523	P -56 8145
15	9.8	8.9W	14 56.327	0.0000	07	-55 6 31.66	0.012	07	0.18	56.326	15	38.6	31.79	18	38.6	K0		C9	6776	P -55 8025
16	9.9E	9.0Z	15 2.350	0.0009	12	-50 22 40.86	-0.002	12	0.70	2.311	45	04.6	40.75	45	04.6			CZ	15984	P -50 9977
17	9.0	8.0W	15 10.814	-0.0003	07	-52 48 23.45	-0.068	07	0.18	10.817	15	38.6	22.68	18	38.6	K0		C9	6777	P -5210571
18	9.6E	9.3*	15 14.294	-0.0047	12	-51 24 11.14	-0.028	12	0.65	14.518	31	02.0	9.78	31	02.0	F8		CZ	15990	P -5110279
19	9.8E	9.4Z	15 14.413	0.0008	12	-50 42 5.41	0.007	12	0.70	14.377	45	04.6	5.71	45	04.6	A		CZ	15991	P -50 9978
20	10.0	8.4W	15 15.765	0.0033	07	-52 51 59.19	-0.001	07	0.18	15.727	15	38.6	59.18	18	38.6	K2		C9	6778	P -5210572
21		8.2T	15 17.505	-0.0063	17	-53 19 53.56	-0.168	13	0.73	17.786	22	05.1	45.28	19	00.6	G5		GC	23354	P -53 8529
22	10.1	9.8W	15 22.198	-0.0000	11	-58 33 21.82	-0.048	11	0.15	22.198	14	45.6	21.61	14	45.6	G0		C0	5524	P -58 7064
23		7.4T	15 22.563	0.0001	15	-55 3 53.91	-0.029	12	0.67	22.558	21	04.0	52.44	19	99.7	A2		GC	23356	P -54 8191
24	9.1	9.0W	15 22.642	-0.0075	06	-53 19 14.18	-0.053	06	0.18	22.727	15	38.6	13.58	18	38.6	G		C9	6781	P -53 8531
25	8.5	8.6W	15 23.595	0.0007	07	-54 18 41.87	-0.060	07	0.18	23.587	15	38.6	41.18	18	38.6	A3		C9	6782	P*-54 8193
26	10.0	9.9W	15 24.815	-0.0002	09	-53 20 2.03	-0.004	09	0.20	24.817	15	38.6	1.98	18	38.6	A	O	C9	6783	P*-53 8532
27	8.2	8.6W	15 25.485	0.0030	07	-55 50 39.64	-0.008	07	0.14	25.471	14	45.6	39.61	14	45.6	B8		C0	5525	P*-55 8032
28	10.1		15 34.359	-0.0007	11	-51 54 18.09	-0.028	11	0.21	34.367	15	38.6	17.77	18	38.6	A0		C9	6786	P -5110283
29	8.0	8.4W	15 35.177	0.0009	07	-53 45 59.18	0.009	07	0.18	35.167	15	38.6	59.28	18	38.6	B9		C9	6787	P -53 8534
30	9.8E	8.5Z	15 37.823	0.0002	12	-50 21 40.93	-0.024	12	0.65	37.816	36	04.6	39.81	36	04.6	K0		CZ	16001	P -50 9986
31		6.5T	15 38.207	-0.0012	17	-50 0 42.22	-0.014	13	0.77	38.265	24	03.2	41.50	21	98.3	F0		GC	23365	C -4911324
32	9.5E	9.6Z	15 56.554	0.0022	12	-50 8 42.80	0.001	12	0.65	56.457	36	04.6	42.86	36	04.6			CZ	16005	P -50 9991
33	9.5	9.6W	15 57.472	-0.0013	07	-54 29 51.80	0.007	07	0.18	57.487	15	38.6	51.88	18	38.6	A0		C9	6788	P -54 8203
34	9.9	8.6W	16 0.806	-0.0008	06	-58 2 29.76	-0.033	06	0.14	0.810	14	45.6	29.62	14	45.6	K2		C0	5526	P -57 8441
35	9.7	8.3W	16 2.313	-0.0021	09	-51 54 52.11	-0.029	09	0.20	2.337	15	38.6	51.77	18	38.6	K5		C9	6789	P -5110287
36	8.3	8.1W	16 6.403	-0.0018	06	-57 27 33.61	-0.067	06	0.14	6.411	14	45.6	33.31	14	45.6	F2		C0	5527	P -57 8444
37	9.0	7.5W	16 10.810	0.0020	06	-57 11 51.76	0.013	06	0.14	10.801	14	45.6	51.82	14	45.6	K5		C0	5528	P -57 8446
38		7.0T	16 12.167	0.0003	15	-59 23 24.16	-0.018	11	0.64	12.152	19	05.0	23.27	18	00.8	A0		GC	23379K	P*-59 6969
39	9.9	9.8W	16 25.462	0.0008	09	-58 44 12.47	-0.012	09	0.15	25.458	14	45.6	12.42	14	45.6	A2		C0	5531	P -58 7069
40	9.3	9.4W	16 27.614	0.0005	07	-56 22 26.97	-0.015	07	0.14	27.611	14	45.6	26.91	14	45.6	A0		C0	5532	P -56 8154
41	9.2	9.5W	16 30.447	-0.0009	07	-56 22 35.36	-0.012	07	0.14	30.451	14	45.6	35.31	14	45.6	A0		C0	5533	P*-56 8155
42	9.9E	9.9Z	16 32.643	-0.0025	12	-50 51 56.55	-0.108	12	0.70	32.756	45	04.6	51.63	45	04.6	G0		CZ	16015	P -50 9995
43	8.7	9.1W	16 41.361	-0.0017	07	-59 19 15.45	-0.008	07	0.14	41.368	14	45.6	15.41	14	45.6	B9		C0	5534	P -59 6973
44	9.8	9.7W	16 43.545	-0.0002	15	-54 52 5.61	-0.002	15	0.24	43.547	15	38.6	5.59	18	38.6	A5		C9	6792	P -54 8209
45	7.2	7.6W	16 45.776	-0.0001	09	-59 57 59.28	0.009	09	0.15	45.777	14	45.6	59.32	14	45.6	A0		C0	5535	P -59 6974
46	10.5	8.7W	16 46.996	-0.0027	09	-54 21 50.45	0.003	09	0.20	47.027	15	38.6	50.48	18	38.6	K2	O	C9	6793	P -54 8213
47	11.8E	10.2W	16 48.560	-0.0002	12	-50 49 26.31	-0.013	12	0.70	48.569	45	04.6	25.69	45	04.6	K0		CZ	16022	P -50 9999
48	9.2E	8.8*	16 49.304	0.0010	12	-50 49 10.98	-0.015	12	0.64	49.256	31	02.9	10.25	28	02.9	K0		CZ	16023	P -50 9999
49	9.9	9.0W	16 52.394	-0.0029	07	-53 31 19.70	-0.045	07	0.18	52.427	15	38.6	19.18	18	38.6	G3	O	C9	6796	P -53 8547
50	10.2	9.2W	16 52.396	-0.0001	07	-52 55 18.29	-0.010	07	0.18	52.397	15	38.6	18.17	18	38.6	G5		C9	6795	P -5210584
51	9.0	9.1W	17 16 52.478	0.0014	07	-56 2 49.68	-0.017	07	0.14	52.471	14	45.6	49.61	14	45.6	A0		C0	5536	P -55 8045
52	9.5	9.7W	16 58.702	-0.0004	09	-52 3 5.99	-0.036	09	0.20	58.707	15	38.6	5.58	18	38.6	B9		C9	6799	P -5110295
53	8.9E	8.7Z	16 59.161	-0.0020	12	-50 37 3.02	-0.088	12	0.70	59.251	45	04.6	59.01	45	04.6	F2		CZ	16025	P -5010001
54	10.0E	9.1Z	17 11.595	-0.0002	12	-50 23 46.63	-0.014	12	0.70	11.606	45	04.6	46.02	45	04.6			CZ	16029	P -5010008
55	8.6	8.7W	17 17.878	0.0014	07	-56 25 19.31	-0.024	07	0.14	17.871	14	45.6	19.21	14	45.6	A2		C0	5539	P -56 8165
56	7.6E	8.5Z	17 24.720	-0.0145	12	-51 4 23.23	-0.038	12	0.65	25.417	31	02.0	21.40	31	02.0	G0		CZ	16036	P -5010013
57	10.1	9.6W	17 25.168	0.0107	07	-55 42 33.22	0.058	07	0.18	25.045	15	38.6	33.89	18	38.6	G0	O	C9	6801	P -55 8050
58	9.9	9.8W	17 27.607	-0.0018	07	-52 23 11.63	-0.040	07	0.18	27.627	15	38.6	11.18	18	38.6	A0		C9	6802	P -5210594
59	10.5	8.7W	17 29.025	-0.0019	08	-55 6 39.18	0.019	08	0.19	29.046	15	38.6	39.39	18	38.6	K2		C9	6803	P -55 8052
60	7.9	8.1W	17 42.437	-0.0009	07	-51 55 37.65	0.002	07	0.18	42.447	15	38.6	37.68	18	38.6	B9		C9	6804	P -5110301
61	10.1	9.1W	17 43.545	-0.0002	07	-54 11 36.92	-0.020	07	0.18	43.547	15	38.6	36.68	18	38.6	K2		C9	6805	P -54 8222
62	9.1	9.0W	17 47.118	0.0003	07	-59 39 30.68	-0.015	07	0.14	47.117	14	45.6	30.61	14	45.6	A3		C0	5542	P -59 6982
63	9.1E	9.9Z	17 48.208	0.0007	12	-50 15 25.21	-0.014	12	0.70	48.178	45	04.6	24.59	45	04.6	A0		CZ	16043	P -5010019
64	9.8E	9.0Z	17 51.936	0.0000	12	-51 17 39.06	0.006	12	0.81	51.935	63	04.6	39.32	57	04.6	K5		CZ	16046	P -5110303
65	10.0	9.9W	17 55.008	-0.0028	09	-58 19 19.89	0.005	09	0.15	55.020	14	45.6	19.92	14	45.6	G0		C0	5543	P -58 7080
66	7.8E	8.7Z	18 1.451	0.0004	12	-51 48 6.83	-0.030	12	0.65	1.432	31	02.0	5.41	31	02.0	B9		CZ	16050	P -5110304
67	9.8E	9.5Z	18 15.319	-0.0004	12	-51 37 30.88	-0.029	12	0.81	15.335	63	04.6	29.98	57	04.6	A0		CZ	16059	P -5110308
68	9.4	9.5W	18 17.178	0.0001	07	-55 7 7.92	-0.011	07	0.18	17.176	15	38.6	7.79	18	38.6	A2		C9	6806	P -55 8055
69	7.9	8.3W	18 18.426	0.0009	06	-56 15 26.21	-0.024	06	0.14	18.422	14	45.6	26.11	14	45.6	B8		C0	5544	P -56 8178
70	10.0E	9.0Z	18 18.561	0.0010	12	-51 41 30.70	-0.001	12	0.81	18.517	63	04.6	30.66	57	04.6	K0		CZ	16061	P -5110310
71	9.7	9.3W	18 20.714	-0.0073	07	-52 49 58.81	-0.143	07	0.18	20.797	15	38.6	57.18	18	38.6	G0		C9	6807	P*-5210605
72		6.9T	18 24.285	0.0081	16	-54 14 11.44	-0.096	12	0.72	23.904	21	03.0	6.58	19	99.2	F5		GC	23435	P -54 8227
73	9.7	10.0W	18 24.386	-0.0001	13	-52 28 26.94	-0.014	13	0.22	24.387	15	38.6	26.78	18	38.6	A0		C9	6809	P -5210606
74	9.5	9.7W	18 26.753	0.0005	14	-56 36 3.57	-0.013	14	0.15	26.751	14	45.6	3.52	14	45.6	A2		C0	5545	P -56 8182
75		7.0T	18 27.032	-0.0100	13	-58 25 26.85	-0.064	11	0.60	27.499	19	05.6	23.86	18	03.2	A5		GC	23436K	P*-58 7086
76	9.9	8.9W	18 32.379	-0.0029	06	-56 22 1.38	-0.041	06	0.14	32.392	14	45.6	1.21	14	45.6	K0		C0	5547	P -56 8184
77	8.9	9.2W	18 32.899	-0.0025	07	-53 31 17.68	-0.026	07	0.18	32.927	15	38.6	17.38	18	38.6	B9		C9	6812	P -53 8563
78		5.9T	18 36.069	-0.0019	10	-57 57 45.32	-0.010	07	0.45	36.165	18	03.5	44.81	17	99.1	K0		GC	23439K	P*-57 8478
79	8.8	8.6W	18 36.901	0.0002	07	-57 50 0.19	-0.085	07	0.14	36.900	14	45.6	59.82	14	45.6	G0		C0	5549	P -57 8479
80	9.2	8.4W	18 45.254	-0.0007	07	-59 47 2.17	-0.035	07	0.14	45.257	14	45.6	2.02	14	45.6	K2		C0	5550	P -59 6986
81	9.6	9.9W	18 45.484	0.0035	13	-59 17 3.66	-0.011	13	0.15	45.468	14	45.6	3.62	14	45.6	A0		C0	5551	P -59 6987
82	9.0	9.3W	18 50.887	-0.0007	07	-58 4 29.27	-0.012	07	0.14	50.890	14	45.6	29.22	14	45.6	B8		C0	5552	P -57 8485
83		8.0T	18 51.291	0.0013	16	-52 55 50.52	-0.056	12	0.71	51.229	21	03.4	47.65	19	98.4	A0		GC	23448	P -5210610
84	8.9	9.2W	18 53.177	0.0071	15	-55 35 23.55	-0.005	15	0.24	53.095	15	38.6	23.49	18	38.6	A0		C9	6815	P -55 8065
85		5.7T	18 53.641	-0.0003	12	-56 28 41.81	0.010	10	0.61	53.657	21	00.9	42.33	19	96.1	K0		GC	23449	P -56 8191
86	9.6	9.5W	18 54.757	0.0009	07	-54 16 23.34	-0.005	07	0.18	54.747	15	38.6	23.28	18	38.6	A3	O	C9	6816	P -54 8236
87	9.9E	9.6Z	19 1.215	-0.0021	12	-50 11 50.03	-0.033	12	0.70	1.313	45	04.6	48.55	45	04.6			CZ	16077	P -5010033
88	9.1	9.3W	19 1.469	-0.0004	07	-57 29 3.99	0.007	07	0.14	1.471	14	45.6	4.02	14	45.6	A0		C0	5554	P -57 8489
89	10.0E	9.6Z	19 3.653	0.0009	12	-50 28 53.49	-0.010	12	0.70	3.614	45	04.6	53.02	45	04.6	A		CZ	16079	P -5010035
90	9.0	8.8W	19 8.084	0.0103	11	-59 18 27.14	0.039	11	0.15	8.038	14	45.6	27.32	14	45.6	G0		C0	5555	P -59 6990
91	10.7	8.9W	19 10.430	0.0011	08	-53 9 41.10	-0.028	08	0.19	10.417	15	38.6	40.78	18	38.6	MA		C9	6817	P -53 8572
92	9.4E	8.5Z	19 18.505	0.0012	12	-51 35 38.96	0.000	12	0.81	18.448	63	04.6	38.97	57	04.6	K2		CZ	16082	P -5110323
93		6.8T	19 22.372	-0.0013	13	-58 37 7.19	-0.013	10	0.57	22.436	19	05.5	6.54	18	00.6	B8		GC	23468	P -58 7099
94	10.0	9.1W	19 22.636	0.0018	12	-59 1 38.77	-0.013	12	0.15	22.628	14	45.6	38.72	14	45.6	G5	O	C0	5557	P -58 7096
95	9.2	9.4W	19 22.903	-0.0012	13	-58 58 35.61	0.001	13	0.15	22.908	14	45.6	35.62	14	45.6	B9		C0	5558	P -58 7097
96	8.2	8.7W	19 29.094	0.0008	07	-56 47 9.28	-0.016	07	0.14	29.091	14	45.6	9.22	14	45.6	B9		C0	5559	P -56 8200
97	10.6	9.5W	19 35.071	-0.0031	09	-55 4 51.43	0.006	09	0.20	35.106	15	38.6	51.49	18	38.6	G5	O	C9	6819	P -55 8078
98	9.9	9.5W	19 46.919	-0.0007	14	-56 29 58.80	-0.022	14	0.15	46.922	14	45.6	58.71	14	45.6	G0		C0	5560	P -56 8203
99	9.4	8.5W	19 48.756	-0.0122	07	-55 31 25.07	0.010	07	0.18	48.895	15	38.6	25.19	18	38.6	G5		C9	6820	P -55 8080
00	10.5	8.7W	19 53.924	-0.0020	09	-55 2 9.16	-0.014	09	0.20	53.946	15	38.6	8.99	18	38.6	K4	O	C9	6821	P -54 8252

244700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
																		DM NUMBER
1	9.0E	8.0Z	17 19 56.454	-0.0002	12	-50 22 59.82	-0.039	12	0.70	56.465	45	04.6	58.02	45	04.6	K0	CZ	16094
2	9.4	8.6W	19 59.079	-0.0049	07	-56 57 39.82	-0.070	07	0.14	59.101	14	45.6	39.52	14	45.6	K0	CD	5561
3	10.0E	9.8Z	20 6.652	0.0012	12	-50 31 31.21	-0.007	12	0.70	6.597	45	04.6	30.91	45	04.6		CZ	16102
4	9.6E	9.9Z	20 16.428	-0.0002	12	-50 30 38.81	-0.005	12	0.70	16.437	45	04.6	38.60	45	04.6		CZ	16108
5	7.0	7.3W	20 21.604	-0.0031	06	-59 10 5.15	-0.009	06	0.14	21.618	14	45.6	5.12	14	45.6	A0	CD	5563
6		9.0B	20 22.522	-0.0031	22	-56 26 18.85	-0.019	16	0.92	22.671	24	05.4	17.92	22	02.0	M0	GC	23497
7	9.9	9.7W	20 25.783	0.0014	07	-53 35 20.46	0.011	07	0.18	25.767	15	38.6	20.58	18	38.6	F2 O	C9	6822
8	10.2	9.6W	20 26.364	0.0024	07	-52 31 18.55	-0.024	07	0.18	26.337	15	38.6	18.28	18	38.6		C9	6824
9	9.3	9.0W	20 27.305	-0.0019	07	-52 7 41.27	-0.017	07	0.18	27.327	15	38.6	41.07	18	38.6	G0	C9	6825
10	9.6	8.9W	20 28.211	0.0029	11	-59 21 2.51	0.002	11	0.15	28.198	14	45.6	2.52	14	45.6	G5	CD	5565
11	8.6	8.5W	20 30.756	-0.0010	07	-54 42 12.77	-0.095	07	0.18	30.767	15	38.6	11.69	18	38.6	F5	C9	6826
12	9.0E	8.7Z	20 32.588	-0.0007	12	-50 47 37.80	0.017	12	0.70	32.621	45	04.6	38.56	45	04.6	G5	CZ	16114
13	10.0E	9.9Z	20 33.622	0.0007	12	-50 46 21.47	0.003	12	0.70	33.590	45	04.6	21.59	45	04.6		CZ	16115
14	8.7	8.6W	20 37.839	0.0046	07	-54 21 42.56	0.011	07	0.18	37.787	15	38.6	42.68	18	38.6	F2	C9	6828
15	10.1	9.1W	20 38.251	-0.0023	07	-54 24 41.42	0.015	07	0.18	38.277	15	38.6	41.58	18	38.6		C9	6829
16	8.1E	8.5Z	20 40.924	0.0009	12	-51 22 37.79	-0.013	12	0.65	40.880	31	02.0	37.14	31	02.0	B9	CZ	16116
17		7.0T	20 41.712	-0.0020	17	-54 30 59.60	-0.030	12	0.72	41.800	22	05.1	58.14	19	00.9	A2	GC	23506
18	9.5	8.5W	20 46.436	0.0008	07	-53 36 22.88	0.001	07	0.18	46.427	15	38.6	22.88	18	38.6	K0	C9	6831
19	8.9E	8.2Z	20 52.793	-0.0015	12	-50 47 50.09	-0.041	12	0.70	52.860	45	04.6	48.21	45	04.6	G5	CZ	16122
20	9.5	9.7W	20 53.543	-0.0020	15	-55 42 30.67	0.002	15	0.24	53.565	15	38.6	30.69	18	38.6	A0	C9	6832
21	9.1E	9.6Z	20 56.777	-0.0002	12	-50 2 59.76	-0.017	12	0.81	56.788	63	04.6	58.97	57	04.6	A0	CZ	16124
22	8.7	7.9W	20 57.483	-0.0012	06	-59 0 46.63	-0.025	06	0.14	57.488	14	45.6	46.52	14	45.6	G5	CD	5566
23	9.7E	9.5Z	21 2.667	0.0008	12	-50 8 45.83	-0.012	12	0.70	2.632	45	04.6	45.26	45	04.6	A0	CZ	16128
24	10.2	8.7W	21 7.465	0.0026	07	-55 56 54.48	-0.025	07	0.18	7.436	15	38.6	54.19	18	38.6	MA	C9	6833
25		2.8H	21 8.264	-0.0001	02	-55 29 6.11	-0.024	02	0.10	8.268	05	13.2	5.17	05	11.4	K2	F4	645
26		3.5T	21 10.732	0.0003	04	-56 19 58.85	-0.011	03	0.22	10.715	10	96.9	58.20	09	92.2	B1	GC	23517K
27		7.6T	21 12.190	-0.0001	17	-50 24 12.54	-0.070	13	0.77	12.196	19	02.1	8.97	18	98.9	F8	GC	23518
28	9.7	9.1W	21 13.537	-0.0051	13	-58 21 57.82	0.000	13	0.15	13.560	14	45.6	57.82	14	45.6	G5	CD	5568
29	10.0	9.3W	21 15.944	-0.0001	09	-56 1 39.63	-0.020	09	0.20	15.945	15	38.6	39.39	18	38.6	G5	C9	6835
30	9.4	9.4W	21 25.882	-0.0022	07	-52 30 43.60	-0.037	07	0.18	25.907	15	38.6	43.18	18	38.6	A3	C9	6837
31	10.7	9.8W	21 56.447	-0.0044	07	-52 31 17.52	-0.039	07	0.18	56.497	15	38.6	17.08	18	38.6	K0	C9	6838
32	9.4	9.6W	22 3.409	0.0002	14	-58 33 4.19	0.005	14	0.15	3.408	14	45.6	4.22	14	45.6	A2	CD	5569
33	7.9E	8.0Z	5.128	-0.0004	12	-50 30 57.92	-0.033	12	0.65	5.147	36	04.8	56.41	36	04.8	A0	CZ	16151
34		5.2T	5.765	0.0010	07	-50 35 24.36	0.002	05	0.30	5.724	14	09.9	24.46	12	01.5	K0	GC	23552
35	10.0	9.1W	22 11.827	-0.0030	13	-58 25 50.20	0.003	13	0.15	11.840	14	45.6	50.22	14	45.6	K0	CD	5570
36	9.4E	9.4Z	22 12.944	0.0010	12	-50 2 11.93	-0.014	12	0.71	12.900	45	03.9	11.31	45	03.9	A0	CZ	16156
37	9.7	9.7W	22 15.347	-0.0009	15	-53 5 1.03	-0.004	15	0.24	15.357	15	38.6	0.98	18	38.6	A5	C9	6839
38	9.6	8.4W	22 15.975	-0.0029	07	-58 57 51.49	-0.018	07	0.14	15.988	14	45.6	51.42	14	45.6	K0	CD	5572
39	9.9	9.9W	22 25.010	0.0020	14	-57 8 18.32	-0.002	14	0.15	25.001	14	45.6	18.32	14	45.6	A2	CD	5573
40	9.9E	9.5Z	22 27.773	-0.0001	12	-51 43 54.61	-0.009	12	0.81	27.780	63	04.6	54.21	57	04.6	A0	CZ	16160
41	8.6E	9.1H	22 28.706	0.0009	12	-50 5 0.52	-0.007	12	0.70	28.668	45	04.9	0.18	45	04.9	B8	CZ	16163
42	9.6E	9.8Z	22 35.337	0.0007	12	-51 15 0.04	-0.009	12	0.81	35.304	63	04.6	-59.61	57	04.6	B9	CZ	16165
43	8.0E	8.5Z	22 35.612	-0.0007	12	-51 43 3.95	-0.029	12	0.81	35.646	63	04.6	2.64	57	04.6	B9	CZ	16164
44	9.2	9.2W	22 38.160	-0.0015	07	-55 18 20.02	-0.046	07	0.18	38.176	15	38.6	19.49	18	38.6	A5	C9	6842
45	10.0E	9.4Z	22 39.149	0.0007	12	-50 47 26.94	-0.003	12	0.70	39.117	45	04.9	26.79	45	04.9	B9	CZ	16169
46	10.1E	9.7Z	22 50.536	0.0009	12	-50 2 48.90	-0.016	12	0.81	50.498	63	05.3	48.21	57	05.3		CZ	16176
47	9.8	9.9W	22 50.961	-0.0037	13	-59 52 48.83	-0.004	13	0.15	50.977	14	45.6	48.82	14	45.6	A0	CD	5574
48	9.7E	9.6H	22 52.723	0.0011	12	-50 14 18.42	-0.005	12	0.70	52.675	45	04.9	18.17	45	04.9	B8	CZ	16179
49		6.5T	22 58.143	0.0009	12	-51 54 22.83	-0.020	09	0.53	58.100	17	04.2	21.74	17	96.3	B8	GC	23579
50	10.1		22 59.173	-0.0012	07	-51 53 21.70	-0.011	07	0.18	59.187	15	38.6	21.58	18	38.6		C9	6844
51	8.5	8.4W	17 23 3.276	-0.0010	06	-57 3 42.24	-0.029	06	0.14	3.281	14	45.6	42.12	14	45.6	F0	CD	5576
52	9.8E	9.4Z	23 5.724	0.0011	12	-51 21 2.91	0.012	12	0.81	5.673	63	04.6	3.44	57	04.6	F8	CZ	16183
53	7.7E	8.0Z	23 14.143	-0.0032	12	-51 37 36.86	0.026	12	0.81	14.288	63	04.6	38.06	57	04.6	F5	CZ	16190
54	10.0	9.2W	23 16.577	0.0079	15	-52 55 16.30	-0.002	15	0.24	16.487	15	38.6	16.28	18	38.6	G5	C9	6845
55		6.1T	23 18.219	-0.0005	13	-50 35 17.38	-0.003	09	0.62	18.243	19	00.2	17.22	18	93.9	B9	GC	23594
56	10.1	9.8W	23 26.346	-0.0036	15	-54 53 0.40	0.026	15	0.24	26.387	15	38.6	0.69	18	38.6	F2 O	C9	6847
57		7.0T	23 31.384	-0.0011	14	-53 10 49.90	0.008	11	0.65	31.434	21	02.9	50.34	18	97.1	M0	GC	23607
58	9.0	9.2W	23 36.292	-0.0022	06	-54 26 31.61	-0.011	06	0.18	36.317	15	38.6	31.48	18	38.6	A0	C9	6850
59	8.8	9.0W	23 36.599	0.0044	13	-58 1 38.52	-0.002	13	0.15	36.580	14	45.6	38.52	14	45.6	A3	CD	5577
60	8.9	8.8W	23 37.822	-0.0022	07	-52 31 30.21	-0.055	07	0.18	37.847	15	38.6	29.58	18	38.6	A5	C9	6851
61	9.8	9.9W	23 40.353	0.0007	12	-58 1 56.51	0.001	12	0.15	40.350	14	45.6	56.52	14	45.6	A3 O	CD	5578
62	9.2	8.3W	23 44.551	-0.0014	06	-54 30 10.15	-0.066	06	0.18	44.567	15	38.6	9.39	18	38.6	K0	C9	6852
63		5.8T	23 58.444	-0.0004	09	-52 15 18.07	-0.051	07	0.33	58.457	14	13.0	15.95	12	08.7	K0	GC	23616K
64	9.8	9.7W	24 8.198	-0.0051	09	-57 7 6.54	0.018	09	0.15	8.221	14	45.6	6.62	14	45.6	A2	CD	5579
65	9.5	9.7W	24 13.323	-0.0040	07	-56 30 52.94	-0.029	07	0.14	13.340	14	45.6	52.82	14	45.6	A0	CD	5580
66	9.8	9.8W	24 15.551	-0.0020	09	-58 4 10.68	0.008	09	0.15	15.560	14	45.6	10.72	14	45.6	A2	CD	5581
67		7.1T	24 18.710	0.0001	12	-53 58 49.80	0.007	12	0.57	18.705	18	07.0	50.16	19	00.9	A2	GC	23635
68	9.1	7.5W	24 19.226	-0.0018	05	-53 27 32.58	-0.035	05	0.18	19.247	15	38.6	32.18	18	38.6	K5	C9	6857
69	7.9	8.2W	24 20.824	-0.0020	15	-52 35 38.65	-0.076	15	0.24	20.847	15	38.6	37.78	18	38.6	B9	C9	6858
70		6.0T	24 30.048	-0.0015	12	-55 7 44.42	-0.010	08	0.55	30.130	21	01.7	43.85	18	95.0	K0	GC	23638K
71	9.4	9.5W	24 30.912	-0.0031	07	-53 43 5.04	-0.013	07	0.18	30.947	15	38.6	4.88	18	38.6	A3	C9	6860
72	9.5	8.4W	24 32.339	0.0021	06	-57 55 22.18	-0.014	06	0.14	32.330	14	45.6	22.11	14	45.6	K0	CD	5582
73	9.9	8.6W	24 35.944	-0.0020	07	-54 0 2.81	0.007	07	0.18	35.967	15	38.6	2.88	18	38.6	K5	C9	6861
74	9.2	9.0W	24 36.894	-0.0029	06	-54 33 7.27	-0.041	06	0.18	36.927	15	38.6	6.79	18	38.6	F0	C9	6862
75		7.1T	24 38.430	0.0003	14	-58 59 31.63	-0.008	10	0.59	38.415	19	05.8	31.23	18	01.1	M8	GC	23640
76	9.7	9.7W	24 45.933	-0.0029	15	-55 47 44.51	-0.036	15	0.24	45.966	15	38.6	44.09	18	38.6	A2	C9	6863
77	10.2	9.1W	24 51.608	-0.0008	07	-56 13 48.83	-0.005	07	0.14	51.612	14	45.6	48.81	14	45.6	G5	CD	5584
78	9.7E	9.0Z	24 56.879	0.0013	12	-50 19 57.00	-0.019	12	0.70	56.823	45	04.9	56.16	45	04.9	A0	CZ	16222
79	10.2	8.8W	24 57.122	-0.0013	07	-53 6 28.70	-0.002	07	0.18	57.137	15	38.6	28.68	18	38.6	K0	C9	6864
80	8.9	8.0W	24 59.662	0.0002	06	-57 22 18.30	-0.019	06	0.14	59.661	14	45.6	18.22	14	45.6	K0	CD	5585
81	9.4	9.4W	24 59.777	-0.0035	07	-52 15 47.06	-0.051	07	0.18	59.817	15	38.6	46.48	18	38.6	A2	C9	6865
82	8.9	8.9W	25 12.282	-0.0032	07	-59 45 4.97	-0.037	07	0.14	12.297	14	45.6	4.82	14	45.6	A2	CD	5586
83	10.3	10.2W	25 13.925	-0.0037	14	-57 20 44.96	0.012	14	0.15	13.941	14	45.6	45.02	14	45.6	A2	CD	5587
84	9.6E	9.5Z	25 19.973	0.0024	12	-51 47 13.80	-0.021	12	0.81	19.866	63	04.6	12.85	57	04.6	F8	CZ	16228
85	9.3	9.6W	25 25.901	0.0000	07	-56 0 0.87	0.009	07	0.14	25.901	14	45.6	0.91	14	45.6	A0	CD	5588
86	10.2	9.1W	25 34.950	-0.0024	07	-52 49 7.21	-0.038	07	0.18	34.977	15	38.6	6.78	18	38.6	K0	C9	6867
87		8.0T	25 35.830	0.0001	17	-50 21 32.52	-0.020	13	0.77	35.827	24	03.3	31.50	21	98.9	K0	GC	23666
88	9.8	8.4W	25 48.773	-0.0021	07	-53 57 39.25	-0.023	07	0.18	48.797	15	38.6	38.98	18	38.6	K5	C9	6869
89	10.5	9.4W	25 49.073	-0.0030	09	-54 45 39.62	0.024	09	0.20	49.107	15	38.6	39.89	18	38.6	G3 O	C9	6870
90	10.2	9.4W	25 49.296	-0.0097	09	-54 13 25.40	-0.062	09	0.20	49.407	15	38.6	24.68	18	38.6	G4 O	C9	6871
91	9.0E	8.5Z	25 57.778	0.0001	12	-51 25 29.18	-0.039	12	0.65	57.772	31	02.0	27.29	31	02.0	G5	CZ	16243
92	11.9E	10.0H	25 58.772	0.0004	12	-51 25 14.79	-0.041	12	0.81	58.753	63	04.6	12.91	57	04.6	G5	CZ	16244
93	10.9E	10.0H	26 13.565	0.0014	12	-50 53 52.77	0.003	12	0.63	13.499	31	03.2	52.90	28	03.2		CZ	16250
94	9.9E	9.8Z	26 17.707	0.0015	12	-50 29 4.46	0.005	12	0.70	17.641	45	04.9	4.66	45	04.9	B9	CZ	16253
95	7.5	7.9W	26 20.196	-0.0045	07	-54 12 5.27	-0.016	07	0.18	20.247	15	38.6	5.08	18	38.6	B5	C9	6873
96	7.9	8.2W	26 20.942	-0.0004	07	-51 56 19.77	0.009	07	0.18	20.947	15	38.6	19.88	18	38.6	A0	C9	6874
97	9.9	9.8W	26 21.224	0.0012	13	-59 17 47.47	-0.012	13	0.15	21.218	14	45.6	47.41	14	45.6	F8	CD	5590
98	9.2	9.0W	26 28.548	-0.0029	07	-57 27 27.60	-0.068	07	0.14	28.561	14	45.6	27.22	14	45.6	F8	CD	5591
99	9.9	10.0W	26 31.456	-0.0033	07	-58 5 56.65	-0.031	07	0.14	31.470	14	45.6	56.52	14	45.6	A2	CD	5592
00	9.9	8.1W	26 32.002	0.0025	06	-56 49 31.09	0.007	06	0.14	31.991	14	45.6	31.12	14	45.6	MA	CD	5593

-50° 17H

244800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -50° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.7	9.3W	17 26 43.874	-0.0039	13	-56 18 22.16	-0.058	13	0.15	43.891	14	45.6	21.91	14	45.6	G2	O	C0	5595	P -56 8298
2	9.4	8.1W	26 49.150	0.0022	07	-56 59 44.68	-0.016	07	0.14	49.121	14	45.6	44.62	14	45.6	K0		C0	5596	P -56 8299
3	8.8	9.1W	26 57.939	-0.0041	07	-55 42 10.98	-0.007	07	0.18	57.985	15	38.6	10.89	18	38.6	B9		C9	6876	P -55 8184
4	10.0E	9.5Z	26 58.065	0.0006	12	-51 38 28.64	-0.006	12	0.81	58.036	63	04.6	28.37	57	04.6	A2		CZ	16272	P -5110400
5	9.0	9.2W	26 59.101	-0.0032	06	-54 44 16.61	0.007	06	0.18	59.137	15	38.6	16.69	18	38.6	A0		C9	6877	P -54 8358
6	7.9	8.2W	27 3.972	0.0004	06	-53 26 28.11	-0.020	06	0.18	3.967	15	38.6	27.88	18	38.6	B3		C9	6878	P -53 8660
7	8.3	8.4W	4.003	0.0005	07	-56 42 41.43	-0.003	07	0.14	4.000	14	45.6	41.42	14	45.6	A2		C0	5598	P -56 8303
8		6.3T	7.765	-0.0016	10	-56 53 0.16	0.009	08	0.52	7.858	19	97.7	0.67	18	92.1	B8		GC	23688	P*-56 8304
9		8.2T	9.397	0.0030	17	-50 19 30.91	0.004	13	0.78	9.255	19	01.9	31.11	18	98.8	G5		GC	23689	C -5011334
10	9.7E	9.6Z	27 13.902	0.0005	12	-50 6 28.99	0.006	12	0.70	13.881	45	04.9	29.28	45	04.9	B9		CZ	16278	P -5010144
11	10.4	9.1W	27 14.698	0.0015	09	-56 26 24.82	-0.002	09	0.15	14.693	14	45.6	24.81	14	45.6	K2		C0	5600	P -56 8306
12	8.6	7.9W	27 16.986	-0.0045	05	-54 39 13.96	-0.216	05	0.18	17.037	15	38.6	11.49	18	38.6	G5		C9	6879	P -54 8361
13	10.0	10.0W	27 34.432	-0.0022	15	-54 18 56.92	-0.038	15	0.24	34.457	15	38.6	56.48	18	38.6	A0		C9	6880	P -54 8364
14	9.8	10.0W	27 35.982	-0.0022	08	-53 23 57.91	-0.020	08	0.19	36.007	15	38.6	57.68	18	38.6	A0		C9	6881	P -53 8664
15	8.9	9.1W	27 36.566	-0.0049	13	-58 33 38.57	-0.036	13	0.15	36.588	14	45.6	38.41	14	45.6	A0		C0	5601	P -58 7160
16	9.4E	9.0H	27 38.681	-0.0004	12	-50 11 33.32	-0.000	12	0.70	38.701	45	04.9	33.30	45	04.9	F8		CZ	16292	P -5010150
17	9.4	9.7W	27 40.521	0.0021	15	-55 24 35.22	-0.002	15	0.24	40.496	15	38.6	35.19	18	38.6	B9		C9	6883	P -55 8188
18	9.5E	8.5Z	27 50.743	0.0038	12	-51 51 12.00	0.000	12	0.70	50.574	45	04.9	12.01	45	04.9	K0		CZ	16296	P -5110402
19	10.5	9.5W	28 0.382	-0.0015	09	-59 25 33.75	-0.054	09	0.15	0.388	14	45.6	33.51	14	45.6	K0		C0	5602	P -59 7053
20	10.5	8.9W	28 11.953	0.0042	08	-55 34 49.37	0.002	08	0.19	11.905	15	38.6	49.39	18	38.6	K2		C9	6884	P -55 8192
21	9.9E	8.0Z	28 14.755	0.0019	12	-51 2 15.26	0.003	12	0.69	14.669	45	05.3	15.38	45	05.3	+++		CZ	16301	P*-5010154
22	9.8E	9.4Z	28 17.338	0.0004	12	-50 16 36.85	-0.010	12	0.69	17.322	45	05.3	36.42	45	05.3	B8		CZ	16309	P -5010156
23	10.1	8.6W	28 20.562	-0.0031	08	-52 24 10.57	-0.043	08	0.19	20.597	15	38.6	10.08	18	38.6	K2		C9	6885	P -5210689
24	9.3	8.1W	28 23.520	-0.0021	06	-57 36 8.34	-0.029	06	0.14	23.530	14	45.6	8.22	14	45.6	K2		C0	5603	P -57 8597
25	9.4	9.3W	28 34.181	0.0012	07	-53 1 21.22	-0.030	07	0.18	34.167	15	38.6	20.88	18	38.6	A0		C9	6886	P -5210692
26	10.0E	10.0Z	28 36.040	0.0005	12	-50 53 59.20	-0.008	12	0.69	36.017	45	05.3	58.82	45	05.3	B9		CZ	16318	P -5010158
27	9.6E	9.4Z	28 39.280	0.0009	12	-50 3 35.51	-0.007	12	0.69	39.242	45	05.3	35.22	45	05.3	A0		CZ	16319	P -4910062
28	9.7	9.9W	28 43.879	-0.0006	07	-55 34 1.99	0.009	07	0.18	43.885	15	38.6	2.09	18	38.6	A0		C9	6887	P -55 8195
29		7.0T	28 49.252	0.0018	15	-58 31 20.72	0.023	10	0.61	49.166	19	05.8	21.82	18	02.2	B8		GC	23730	P -58 7170
30	9.3E	9.5Z	28 51.510	0.0012	12	-50 21 37.65	0.000	12	0.69	51.459	45	05.3	37.67	45	05.3	B8		CZ	16327	P -5010163
31	9.2E	8.5Z	28 51.510	0.0010	12	-51 3 58.27	-0.036	12	0.65	51.462	31	02.4	56.54	31	02.4	G5		CZ	16326	P -5110413
32	7.4	7.6W	28 58.480	0.0019	07	-56 14 57.79	0.027	07	0.14	58.471	14	45.6	57.91	14	45.6	A0		C0	5608	P -56 8314
33	9.6E	8.0Z	28 58.865	0.0008	12	-50 38 23.43	0.001	12	0.69	58.829	45	05.3	23.45	45	05.3	K5		CZ	16330	P -5010166
34	10.0	9.7W	29 4.436	-0.0036	09	-53 42 51.70	0.008	09	0.20	4.477	15	38.6	51.78	18	38.6	F8		C9	6888	P -53 8672
35	9.3E	8.0Z	29 5.795	0.0011	12	-50 57 45.57	-0.015	12	0.69	5.746	45	05.3	44.88	45	05.3	K2		CZ	16334	P -5010167
36	9.2E	8.5Z	29 18.018	0.0010	12	-50 31 12.56	-0.027	12	0.69	17.974	45	05.3	11.37	45	05.3	F0		CZ	16343	P -5010168
37	9.3	8.0W	29 22.953	-0.0043	07	-56 23 46.50	-0.020	07	0.14	22.971	14	45.6	46.41	14	45.6	K2		C0	5610	P -56 8318
38	9.1	9.3W	29 26.375	-0.0019	07	-55 26 21.80	-0.018	07	0.18	26.396	15	38.6	21.59	18	38.6	A0		C9	6889	P -55 8200
39	9.5	9.8W	29 34.937	-0.0026	07	-54 41 47.83	0.005	07	0.18	34.967	15	38.6	47.89	18	38.6	A0		C9	6890	P -54 8381
40	10.1	9.0W	29 35.217	0.0015	09	-56 49 41.17	-0.012	09	0.15	35.211	14	45.6	41.11	14	45.6	K0		C0	5611	P -56 8319
41	8.0	7.7W	29 38.077	-0.0068	06	-59 44 9.31	-0.385	06	0.14	38.107	14	45.6	7.62	14	45.6	G0		C0	5612	P -59 7063
42	10.0	10.1W	29 41.272	0.0040	15	-55 20 22.36	0.012	15	0.24	41.226	15	38.6	22.49	18	38.6	A0	O	C9	6892	P -55 8202
43	8.6E	8.5Z	29 44.666	0.0013	12	-50 51 42.49	-0.009	12	0.69	44.608	45	05.3	42.07	45	05.3	B8		CZ	16349	P -5010177
44		7.2T	29 50.115	0.0006	13	-52 43 18.08	-0.007	12	0.65	50.085	21	02.7	17.75	19	99.4	K0		GC	23752	P -5210698
45	8.8	8.9W	29 51.321	-0.0021	06	-58 29 50.97	-0.035	06	0.14	51.330	14	45.6	50.82	14	45.6	A2		C0	5613	P -58 7176
46	7.9E	8.2Z	29 51.927	0.0009	12	-50 41 47.83	-0.004	12	0.63	51.886	31	03.4	47.64	28	03.4	B8		CZ	16355	P -5010181
47	9.6	9.8W	29 52.235	-0.0037	15	-52 53 26.61	0.015	15	0.24	52.277	15	38.6	26.78	18	38.6	B9		C9	6895	P -5210699
48	9.3E	9.3*	29 54.118	0.0019	12	-51 48 12.14	0.014	12	0.65	54.025	31	02.4	12.81	31	02.4	A0		CZ	16353	P -5110423
49	9.8	10.0W	29 54.452	-0.0013	15	-55 8 57.30	0.061	15	0.24	54.466	15	38.6	57.99	18	38.6	B9	O	C9	6897	P -55 8205
50	8.7	9.0W	29 54.694	-0.0020	07	-54 47 51.09	-0.008	07	0.18	54.717	15	38.6	50.99	18	38.6	A0		C9	6898	P -54 8383
51	9.9	9.6W	17 29 54.890	0.0056	15	-56 7 51.90	0.017	15	0.24	54.826	15	38.6	52.09	18	38.6	F2	O	C9	6899	P -56 8321
52		6.8T	30 3.580	0.0055	17	-54 51 27.41	-0.278	13	0.73	3.333	22	05.1	13.77	19	00.9	G5		GC	23765	P -54 8387
53	8.6	9.1W	30 13.682	-0.0024	07	-52 10 29.30	-0.011	07	0.18	13.709	15	38.6	29.18	18	38.6	B9		C9	6901	P -5210705
54	8.8	9.1W	30 15.287	0.0023	07	-56 37 12.45	-0.008	07	0.14	15.277	14	45.6	12.42	14	45.6	A0		C0	5614	P -56 8325
55	8.7	7.8W	30 22.148	-0.0066	07	-55 8 45.38	-0.016	07	0.18	22.223	15	38.6	45.19	18	38.6	K0		C9	6902	P -55 8208
56	9.0	9.1W	30 24.572	-0.0014	07	-53 18 40.34	-0.023	07	0.18	24.568	15	38.6	40.08	18	38.6	A5		C9	6903	P -53 8676
57	9.4	8.3W	30 26.543	-0.0004	07	-53 23 38.44	0.012	07	0.18	26.548	15	38.6	38.58	18	38.6	K0		C9	6904	P -53 8677
58	9.8	9.5W	30 28.634	0.0001	07	-59 45 52.91	-0.022	07	0.14	28.633	14	45.6	52.82	14	45.6	F6	O	C0	5615	P -59 7067
59			30 32.762	0.0011	06	-57 6 50.86	0.013	06	0.14	32.757	14	45.6	50.92	14	45.6	A0		C0	5616V	P*-57 8613
60	9.8	9.7W	30 33.263	0.0018	09	-55 49 21.25	-0.014	09	0.20	33.242	15	38.6	21.09	18	38.6	A2	O	C9	6905	P -55 8210
61	10.0	9.5W	30 35.039	-0.0017	15	-52 54 9.25	-0.068	15	0.24	35.058	15	38.6	8.48	18	38.6	G0		C9	6906	P*-5210711
62	7.2	7.5W	30 41.580	0.0007	06	-56 52 52.47	-0.013	06	0.14	41.577	14	45.6	52.41	14	45.6	A0		C0	5617	P -56 8328
63	7.9	8.2W	30 44.798	-0.0009	05	-53 52 41.58	-0.034	05	0.18	44.808	15	38.6	41.18	18	38.6	A0		C9	6907	P -53 8678
64	9.0	8.7W	30 50.484	0.0037	07	-56 56 53.36	-0.033	07	0.14	50.467	14	45.6	53.21	14	45.6	G5		C0	5618	P -56 8331
65	9.4	9.7W	31 5.715	0.0042	13	-57 49 26.35	0.015	13	0.15	5.696	14	45.6	26.41	14	45.6	A0		C0	5619	P -57 8620
66		6.4T	31 7.026	-0.0001	10	-59 48 49.00	-0.008	07	0.37	7.031	12	10.5	48.64	12	06.4	A0		GC	23795	P -59 7071
67	9.2	9.0W	31 10.956	-0.0019	15	-53 2 39.43	-0.005	15	0.24	10.978	15	38.6	39.38	18	38.6	F0		C9	6909	P -5210717
68	9.7	9.3W	31 13.806	0.0088	09	-57 25 1.16	0.013	09	0.15	13.767	14	45.6	1.22	14	45.6	G0		C0	5621	P -57 8622
69	10.1E	8.5Z	31 16.266	0.0010	12	-51 35 12.40	0.012	12	0.81	16.221	63	05.3	12.94	57	05.3	K2		CZ	16384	P -5110436
70		6.3T	31 17.029	0.0004	10	-53 19 12.75	-0.015	08	0.52	17.008	21	98.6	11.93	17	94.5	A0		GC	23800	P -53 8682
71	8.5	8.8W	31 17.842	-0.0018	07	-55 43 50.54	0.005	07	0.18	17.862	15	38.6	50.59	18	38.6	A0		C9	6911	P -55 8216
72	9.0	8.3W	31 26.818	-0.0022	06	-56 18 58.74	-0.008	06	0.14	26.828	14	45.6	58.71	14	45.6	G5		C0	5623	P -56 8333
73	9.7	9.7W	31 28.411	-0.0014	09	-57 6 41.66	0.012	09	0.15	28.417	14	45.6	41.72	14	45.6	A0		C0	5624	P -57 8624
74	7.9	8.3W	31 46.311	0.0014	06	-58 52 59.91	0.001	06	0.14	46.304	14	45.6	59.92	14	45.6	B9		C0	5625	P -58 7193
75	10.0	9.6W	31 48.534	0.0004	13	-52 20 45.66	-0.060	13	0.22	48.529	15	38.6	44.98	18	38.6	F5		C9	6912	P -5210719
76	9.2	9.4W	31 52.839	0.0026	14	-56 52 56.64	0.039	14	0.15	52.827	14	45.6	56.82	14	45.6	B9		C0	5626	P -56 8336
77	9.7	9.6W	31 58.020	-0.0011	08	-55 35 48.48	-0.017	08	0.19	58.032	15	38.6	48.29	18	38.6	A2		C9	6913	P -55 8221
78	10.0E	9.5Z	31 59.118	-0.0005	12	-50 40 27.42	0.001	12	0.69	59.141	45	05.3	27.44	45	05.3	B9		CZ	16405	P -5010220
79	10.1	9.8W	32 0.103	-0.0008	08	-55 35 56.49	-0.017	08	0.19	0.112	15	38.6	56.29	18	38.6	A8	O	C9	6914	P -55 8222
80	8.7	8.1W	32 0.166	-0.0022	06	-58 20 7.59	-0.017	06	0.14	0.176	14	45.6	7.52	14	45.6	G5		C0	5627	P -58 7195
81	8.5	8.8W	32 11.416	-0.0011	07	-53 46 50.10	-0.001	07	0.18	11.428	15	38.6	50.08	18	38.6	A0		C9	6915	P -53 8684
82	8.2	8.4W	32 27.498	0.0045	06	-56 16 59.17	-0.015	06	0.14	27.478	14	45.6	59.11	14	45.6	A0		C0	5629	P -56 8340
83	9.0	9.2W	32 40.807	-0.0023	09	-57 5 11.70	0.003	09	0.15	40.817	14	45.6	11.72	14	45.6	A0		C0	5630	P -57 8635
84	9.1E	8.5Z	32 42.603	0.0005	12	-50 27 54.69	0.002	12	0.69	42.579	45	05.3	54.80	45	05.3	A0		CZ	16419	P -5010226
85	7.5	7.8W	32 47.467	-0.0014	07	-55 6 26.18	-0.025	07	0.18	47.483	15	38.6	25.89	18	38.6	B9		C9	6916	P -55 8229
86	9.6	9.3W	32 54.772	0.0009	07	-56 24 15.53	-0.005	07	0.14	54.768	14	45.6	15.51	14	45.6	F4	O	C0	5631	P -56 8345
87	9.8	10.1W	33 10.747	-0.0044	12	-58 26 27.95	0.014	12	0.15	10.766	14	45.6	28.01	14	45.6	A0		C0	5632	P -58 7198
88	9.3E	9.5Z	33 20.463	0.0035	12	-51 40 43.39	-0.002	12	0.65	20.295	31	02.4	43.31	31	02.4	A5		CZ	16436	P -5110455
89	9.6	9.5W	33 21.932	0.0014	06	-58 18 12.15	-0.007	06	0.14	21.926	14	45.6	12.12	14	45.6	A0		C0	5633	P -58 7200
90	10.0	9.0W	33 25.577	-0.0053	15	-52 57 26.32	0.014	15	0.24	25.638	15	38.6	26.48	18	38.6	G5		C9	6919	P -5210727
91	9.0E	9.0Z	33 26.221	0.0022	12	-51 8 21.67	-0.047	12	0.65	26.117	31	02.4	19.42	31	02.4	G0		CZ	16439	P -5110456
92		7.0T	33 28.356	0.0007	13	-59 24 11.84	-0.014	10	0.55	28.324	18	07.3	11.20	17	04.6	K5		GC	23852	P -59 7086
93	10.1	8.6W	33 30.631	-0.0006	09	-52 38 26.06	-0.016	09	0.20	30.638	15	38.6	25.88	18	38.6	K5		C9	6920	P -5210728
94		5.9T	33 34.171	-0.0008	17	-50 1 44.00	-0.097	13	0.77	34.207	19	02.0	39.02	18	98.8	K0		GC	23854	C -4911577
95		7.5T	33 50.722	-0.0070	12	-56 47 28.93	-0.033	09	0.58	51.112	21	01.6	27.08	18	94.3	A3		GC	23860	P -56 8348
96		5.3T	33 58.967	-0.0041	07	-54 28 9.24	-0.148	05	0.28	59.130	09	10.5	2.77	09	06.2	A3		GC	23862	P*-54 8403
97	9.8E	9.5Z	34 2.275	0.0015	12	-51 40 52.38	0.005	12	0.81	2.206	63	05.3	52.62	57	05.3	F0		CZ	16455	P -5110458
98	9.8	9.4W	34 24.666	0.0016	15	-52 41 28.29	0.008	15	0.24	24.648	15	38.6	28.38	18	38.6	F5		C9	6923	P -5210738
99	9.4E	9.5Z	34 24.928	0.0027	12	-51 3 30.82	-0.000	12	0.81	24.807	63	05.3	30.81	57	05.3	A0		CZ	16467	P -5110466
00	9.5	9.2W	34 33.120	0.0089	06	-54 26 27.76	-0.024	06	0.18	33.018	15	38.6	27.48	18	38.6	F5		C9	6924	P -54 8408

244900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 17H DM NUMBER
1	9.5	9.1W	17 34 34.067	0.0005	09	-58 45 59.91	-0.021	09	0.15	34.064	14	45.6	59.82	14	45.6	G0	C0	5637	P -58 7210
2	8.4	8.6W	34 36.014	-0.0021	08	-52 53 21.22	-0.021	08	0.19	36.038	15	38.6	20.98	18	38.6	A0	C9	6925	P -5210742
3	9.6	8.4W	34 43.208	-0.0019	12	-58 7 22.46	0.012	12	0.15	43.216	14	45.6	22.52	14	45.6	F2	C0	5638	P -58 7212
4	9.7	9.9W	34 44.474	-0.0028	09	-57 33 49.62	0.000	09	0.15	44.486	14	45.6	49.62	14	45.6	A2	C0	5639	P -57 8649
5	9.7	9.5W	34 44.831	0.0011	15	-52 20 43.98	-0.000	15	0.24	44.819	15	38.6	43.98	18	38.6	A3	C9	6927	P -5210745
6	9.9	9.8W	34 44.909	0.0006	09	-58 12 28.23	-0.004	09	0.15	44.906	14	45.6	28.22	14	45.6	F0	C0	5640	P -58 7213
7	8.8	8.0W	34 47.702	0.0009	07	-56 14 42.54	-0.007	07	0.14	47.698	14	45.6	42.51	14	45.6	F0	C0	5641	P -56 8354
8	9.2	9.3W	34 48.967	-0.0013	07	-59 40 56.88	-0.014	07	0.14	48.973	14	45.6	56.82	14	45.6	A0	C0	5642	P -59 7095
9	9.2	9.3W	34 52.379	0.0006	07	-55 33 11.42	-0.002	07	0.18	52.372	15	38.6	11.39	18	38.6	A2	C9	6928	P -55 8243
10	9.8	9.6W	34 53.708	-0.0001	15	-52 14 16.65	-0.068	15	0.24	53.709	15	38.6	15.88	18	38.6	A3	C9	6929	P -5210747
11	10.5	8.8W	34 56.660	-0.0020	09	-55 1 25.92	0.024	09	0.20	56.683	15	38.6	26.19	18	38.6	MA	C9	6930	P -54 8413
12	9.5	9.8W	34 57.711	-0.0015	07	-54 26 2.52	-0.012	07	0.18	57.728	15	38.6	2.38	18	38.6	B9	C9	6931	P*-54 8415
13	9.1	9.1W	35 8.278	-0.0045	15	-52 20 22.07	0.036	15	0.24	8.329	15	38.6	22.48	18	38.6	A3	C9	6932	P -5210748
14	9.8	9.5W	35 10.101	-0.0016	15	-52 15 59.77	-0.017	15	0.24	10.118	15	38.6	59.58	18	38.6	G	C9	6933	P -5210749
15	7.9	8.0W	35 14.254	-0.0021	06	-53 10 52.87	-0.043	06	0.18	14.278	15	38.6	52.38	18	38.6	A3	C9	6934	P -53 8704
16	8.5E	9.0Z	35 15.859	-0.0006	12	-51 10 27.76	0.013	12	0.81	15.885	63	05.3	28.33	57	05.3	A0	CZ	16481	P -5110479
17	8.0E	9.0Z	35 17.098	0.0022	12	-51 10 20.41	0.001	12	0.81	17.000	63	05.3	20.45	57	05.3	A0	CZ	16482	P -5110479
18	10.6	9.6W	35 28.147	0.0051	14	-52 0 55.38	-0.044	14	0.23	28.089	15	38.6	54.88	18	38.6	G5	C9	6935	P -5110481
19	9.3	9.0W	35 30.034	-0.0046	13	-59 14 18.69	-0.041	13	0.15	30.054	14	45.6	18.52	14	45.6	G0	C0	5644	P -59 7101
20	9.2	9.4W	35 34.739	-0.0034	07	-54 15 37.97	-0.025	07	0.18	34.778	15	38.6	37.68	18	38.6	A0	C9	6936	P -54 8421
21	10.0E	10.0Z	35 34.961	0.0013	12	-51 4 38.37	-0.005	12	0.81	34.903	63	05.3	38.14	57	05.3	A0	CZ	16492	P -5110483
22	8.4	8.7W	35 35.225	0.0017	06	-56 50 54.67	-0.013	06	0.14	35.217	14	45.6	54.62	14	45.6	B9	C0	5645	P -56 8368
23	8.5	7.2W	35 39.693	0.0004	07	-54 19 46.13	-0.021	07	0.18	39.688	15	38.6	45.88	18	38.6	K2	C9	6937	P -54 8423
24	10.0	8.3W	35 40.174	0.0005	07	-54 57 57.62	-0.002	07	0.18	40.168	15	38.6	57.59	18	38.6	K5	C9	6938	P -54 8422
25	9.9	8.6W	35 43.323	-0.0039	07	-54 37 5.38	-0.017	07	0.18	43.368	15	38.6	5.19	18	38.6	K5	C9	6939	P -54 8425
26	8.9	9.2W	35 46.064	-0.0003	07	-54 48 32.57	-0.015	07	0.18	46.068	15	38.6	32.39	18	38.6	A0	C9	6940	P -54 8426
27	9.7	8.9W	35 48.053	-0.0001	07	-59 43 1.78	-0.038	07	0.14	48.053	14	45.6	1.62	14	45.6	K0	C0	5646	P -59 7102
28	9.8E	9.0Z	35 57.576	-0.0009	12	-50 32 48.70	-0.035	12	0.63	57.619	31	03.1	47.56	28	03.1	F8	CZ	16498	P -5010272
29	9.7	9.7W	36 5.825	-0.0030	15	-52 20 12.42	-0.012	15	0.24	5.859	15	38.6	12.28	18	38.6	A0	C9	6943	P -5210757
30	10.4	9.5W	36 10.428	-0.0010	09	-51 59 26.64	-0.023	09	0.20	10.439	15	38.6	26.38	18	38.6	G5	C9	6944	P -5110488
31	9.6E	9.0Z	36 16.534	0.0015	12	-50 32 39.31	0.004	12	0.70	16.467	45	04.9	39.48	45	04.9	B8	CZ	16508	P -5010277
32	10.3E	9.9Z	36 18.197	-0.0007	12	-51 13 28.20	0.023	12	0.81	18.226	63	05.3	29.22	57	05.3		CZ	16506	P -5110492
33	10.5	9.7W	36 20.817	-0.0037	09	-52 3 59.11	-0.055	09	0.20	20.858	15	38.6	58.48	18	38.6	G5	C9	6945	P -5210761
34	8.7	8.8W	36 22.385	0.0015	08	-52 46 34.12	-0.021	08	0.19	22.368	15	38.6	33.88	18	38.6	A3	C9	6946	P -5210760
35	9.9	9.4W	36 28.229	-0.0026	09	-53 46 29.01	-0.028	09	0.20	28.258	15	38.6	28.68	18	38.6	F5	C9	6948	P -53 8710
36	10.2	9.2W	36 32.034	-0.0024	09	-58 58 45.19	-0.041	09	0.15	32.044	14	45.6	45.02	14	45.6	K0	C0	5648	P -58 7224
37	9.8	9.7W	36 43.099	0.0005	07	-57 4 56.22	0.000	07	0.14	43.097	14	45.6	56.22	14	45.6	A0	C0	5650	P -57 8667
38	8.3	8.4W	36 46.738	0.0012	06	-59 53 2.09	-0.041	06	0.14	46.733	14	45.6	1.92	14	45.6	A2	C0	5651	P -59 7106
39	8.9	9.2W	36 48.362	-0.0012	07	-56 51 35.56	-0.011	07	0.14	48.367	14	45.6	35.52	14	45.6	A0	C0	5652	P -56 8378
40	8.8	7.6W	36 49.964	0.0023	08	-52 36 0.93	-0.057	08	0.19	49.938	15	38.6	0.28	18	38.6	K0	C9	6951	P -5210767
41	10.3	9.1W	37 7.635	0.0015	09	-56 16 28.29	-0.019	09	0.15	7.628	14	45.6	28.21	14	45.6	K0	C0	5655	P -56 8381
42	10.1	9.1W	37 14.157	-0.0010	07	-53 47 48.46	-0.042	07	0.18	14.168	15	38.6	47.98	18	38.6	G5	C9	6953	P -53 8727
43	9.7	9.9W	37 14.425	0.0014	07	-51 56 16.81	-0.038	07	0.18	14.409	15	38.6	16.36	18	38.6	A2	C9	6954	P -5110501
44	10.2	9.4W	37 23.235	-0.0073	07	-53 46 39.31	-0.037	07	0.18	23.318	15	38.6	38.88	18	38.6	G5	C9	6955	P -53 8730
45		7.6T	37 27.067	-0.0036	15	-53 26 47.75	-0.027	12	0.68	27.233	21	03.5	46.38	19	99.0	A3	GC	23949K	P*-53 8731
46	9.2	8.4W	37 31.979	-0.0012	06	-58 47 46.04	-0.005	06	0.14	31.984	14	45.6	46.02	14	45.6	K0	C0	5657	P -58 7229
47	10.0E	9.0Z	37 32.936	0.0015	12	-51 52 38.45	0.029	12	0.63	32.862	28	02.4	39.81	26	02.4	G5	CZ	16537	P -5110506
48	9.5E	8.7Z	37 49.628	0.0033	12	-50 43 30.07	0.020	12	0.70	49.481	45	04.9	30.96	45	04.9	G0	CZ	16542	P -5010295
49	9.0	9.1W	37 52.122	-0.0010	09	-58 28 27.07	-0.013	09	0.15	52.126	14	45.6	27.01	14	45.6	A2	C0	5661	P -58 7230
50	9.2E	8.5Z	37 53.982	0.0015	12	-50 41 55.58	-0.054	12	0.70	53.915	45	04.9	53.14	45	04.9	G5	CZ	16546	P -5010296
51		8.1T	17 37 55.756	0.0041	16	-50 26 51.25	0.020	12	0.75	55.555	22	01.6	52.30	19	97.0	A5	GC	23963	C -5011469
52	9.3	8.3W	38 0.429	0.0002	06	-55 54 47.76	-0.058	06	0.14	0.428	14	45.6	47.51	14	45.6	K2	C0	5662	P -55 8264
53	9.5	9.1W	38 3.565	-0.0035	15	-52 46 21.81	-0.073	15	0.24	3.608	15	38.6	20.98	18	38.6	G0	C9	6958	P -5210777
54		6.2T	38 9.234	-0.0028	15	-52 29 10.50	-0.011	13	0.75	9.092	18	00.1	9.89	18	95.8	M0	GC	23970	C -5011474
55	9.3	9.2W	38 15.786	-0.0001	13	-58 3 32.97	-0.012	13	0.15	15.786	14	45.6	32.92	14	45.6	F2	C0	5663	P -58 7233
56	10.4	9.4W	38 32.001	-0.0013	09	-56 37 4.48	-0.061	09	0.15	32.007	14	45.6	4.22	14	45.6	G6	C0	5665	P -56 8394
57	9.3	9.2W	38 35.628	-0.0022	07	-55 24 56.06	0.003	07	0.18	35.653	15	38.6	56.09	18	38.6	F5	C9	6961	P -54 8267
58	8.7E	8.2Z	38 36.347	-0.0118	12	-50 37 46.45	-0.136	12	0.70	36.880	45	04.9	40.32	45	04.9	G5	CZ	16569	P -5010310
59	9.5	8.4W	38 37.666	-0.0045	06	-57 56 36.18	-0.014	06	0.14	37.686	14	45.6	36.12	14	45.6	K0	C0	5666	P -57 8682
60		7.3T	38 42.474	-0.0017	16	-55 36 14.17	-0.016	12	0.69	42.558	21	05.3	13.38	19	01.1	K0	GC	23981	P -55 8268
61	10.2E	9.5*	38 43.558	0.0021	12	-50 48 12.22	-0.001	12	0.63	43.460	31	03.1	12.17	28	03.1	B9	CZ	16571	P -5010313
62		7.9T	38 45.871	-0.0029	15	-51 49 11.25	-0.031	13	0.66	45.992	19	08.0	9.81	21	02.8	K5	GC	23983	C -5111074
63	8.8	8.7W	38 48.801	0.0002	09	-51 57 31.04	-0.014	09	0.20	48.799	15	38.6	30.88	18	38.6	A2	C9	6963	P -5110515
64	8.3I		38 59.828	0.0000	14	-57 42 5.22	-0.049	14	0.67	59.827	19	05.0	3.04	19	05.4	NB	GC	23987DV	P*-57 8687
65	9.7	9.4W	39 0.810	-0.0008	07	-59 44 41.54	-0.028	07	0.14	0.813	14	45.6	41.42	14	45.6	F6	C0	5669	P -59 7118
66	10.2	9.1W	39 15.367	0.0008	09	-54 16 24.24	-0.031	09	0.20	15.378	15	38.6	23.88	18	38.6	K0	C9	6964	P -54 8453
67		6.9T	39 16.744	-0.0008	14	-56 59 58.12	-0.013	12	0.67	16.786	19	02.4	57.44	18	98.1	B9	GC	23995K	P*-56 8405
68	9.9	10.1W	39 16.925	-0.0003	13	-52 37 36.53	-0.031	13	0.22	16.928	15	38.6	36.18	18	38.6	A0	C9	6965	P -5210790
69	9.7	9.1W	39 21.118	0.0005	07	-55 36 12.81	-0.212	07	0.18	21.112	15	38.6	10.39	18	38.6	G5	C9	6967	P -55 8273
70	9.9	9.4W	39 23.677	-0.0062	15	-53 5 35.88	-0.114	15	0.24	23.748	15	38.6	34.58	18	38.6	G0	C9	6968	P -53 8746
71	10.0	8.9W	39 33.350	-0.0007	09	-59 33 48.58	-0.038	09	0.15	33.353	14	45.6	48.42	14	45.6	K2	C0	5674	P -59 7119
72		7.6T	39 43.781	0.0100	12	-56 19 59.16	-0.018	12	0.64	43.300	21	01.0	58.28	21	01.8	K0	GC	24008	P -56 8411
73	9.4	8.7W	39 46.261	-0.0193	07	-58 6 11.33	-0.050	07	0.14	46.346	14	45.6	11.11	14	45.6	G5	C0	5676	P -58 7240
74	9.3	7.5W	39 49.015	-0.0032	05	-57 59 16.62	-0.001	05	0.14	49.016	14	45.6	16.62	14	45.6	MA	C0	5677	P -57 8692
75	8.3	8.5W	39 51.486	-0.0024	07	-55 27 5.55	-0.040	07	0.18	51.513	15	38.6	5.09	18	38.6	A0	C9	6970	P -55 8276
76	7.5	7.9W	39 59.718	-0.0017	06	-52 35 27.03	-0.013	06	0.18	59.738	15	38.6	26.87	18	38.6	B8	C9	6971	P -5210800
77	10.0	9.9W	40 2.078	-0.0053	15	-52 57 46.75	0.020	15	0.24	2.138	15	38.6	46.98	18	38.6	A0	C9	6972	P -5210801
78	10.3E	9.8Z	40 4.795	0.0009	12	-51 14 16.20	-0.004	12	0.70	4.755	45	04.9	16.01	45	04.9	A0	CZ	16600	P -5110534
79	10.4	9.1W	40 5.538	-0.0009	08	-54 44 20.86	-0.049	08	0.19	5.548	15	38.6	20.29	18	38.6	K2	C9	6974	P -54 8461
80	9.0	8.2W	40 8.259	0.0034	07	-59 29 41.18	-0.084	07	0.14	8.244	14	45.6	40.82	14	45.6	G5	C0	5679	P -59 7123
81		5.3H	40 10.270	-0.0014	04	-51 48 35.06	-0.193	03	0.14	10.315	06	17.0	28.49	06	16.0	G5	F4	662	C -5111094
82	10.1	9.0W	40 15.371	-0.0015	08	-56 48 2.91	-0.067	08	0.14	15.377	14	45.6	2.62	14	45.6	K2	C0	5680	P -56 8414
83	9.8	8.8W	40 22.251	-0.0015	07	-54 52 3.45	-0.032	07	0.18	22.268	15	38.6	3.09	18	38.6	K0	C9	6975	P -54 8462
84	9.6E	9.5Z	40 23.304	0.0026	12	-51 21 27.78	-0.014	12	0.65	23.179	31	02.0	27.10	31	02.0	A0	CZ	16613	P -5110538
85		8.6T	40 25.846	0.0012	17	-53 41 55.63	0.006	18	0.80	25.795	22	06.1	55.90	22	06.2	A2	GC	24029	P -53 8752
86	9.3E	9.0Z	40 28.961	0.0012	12	-50 19 33.00	-0.015	12	0.64	28.903	31	02.9	32.29	28	02.9	A0	CZ	16618	P -5010333
87	9.9E	9.6Z	40 29.186	0.0014	12	-50 37 21.90	-0.007	12	0.70	29.123	45	04.6	21.58	45	04.6	A2	CZ	16617	P -5010332
88	10.1	8.9W	40 33.917	-0.0040	09	-55 39 46.98	-0.017	09	0.20	33.962	15	38.6	46.79	18	38.6	K2	C9	6978	P -55 8280
89		6.1T	40 37.220	0.0019	12	-57 31 27.14	0.000	09	0.55	37.122	21	04.6	27.15	18	98.6	G5	GC	24034K	P -57 8703
90	9.1	9.1W	40 39.328	-0.0001	07	-52 18 35.00	-0.028	07	0.18	39.329	15	38.6	34.68	18	38.6	F0	C9	6979	P -5210813
91	10.2	9.2W	40 41.433	0.0013	06	-56 48 24.37	-0.036	06	0.14	41.427	14	45.6	24.22	14	45.6	K0	C0	5683	P -56 8416
92	10.2	9.4W	40 47.291	-0.0011	07	-55 28 1.31	-0.010	07	0.18	47.303	15	38.6	1.19	18	38.6	K0	C9	6980	P -55 8282
93	10.1E	8.7Z	40 53.207	-0.0001	12	-51 21 54.31	-0.002	12	0.81	53.211	63	04.6	54.21	57	04.6	K5	CZ	16625	P -5110543
94	10.3E	9.6Z	41 3.248	0.0014	12	-51 6 39.67	-0.022	12	0.81	3.184	63	04.6	38.66	57	04.6	A0	CZ	16631	P -5110545
95	8.7	8.5W	41 4.274	0.0002	07	-59 39 43.16	-0.010	07	0.14	4.273	14	45.6	43.12	14	45.6	F0	C0	5685	P -59 7127
96	10.0	9.1W	41 11.048	-0.0026	07	-52 42 56.44	-0.032	07	0.18	11.078	15	38.6	56.08	18	38.6	G5	C9	6982	P -5210819
97	9.9	9.9W	41 12.909	-0.0035	09	-52 4 34.39	-0.019	09	0.20	12.949	15	38.6	34.18	18	38.6	A2	C9	6983	P -5210821
98	9.8	9.4W	41 17.420	0.0010	14	-57 58 45.45	-0.007	14	0.15	17.416	14	45.6	45.42	14	45.6	G0	C0	5686	P -57 8708
99	9.2	8.9W	41 19.578	-0.0059	14	-58 57 32.64	-0.052	14	0.15	19.604	14	45.6	32.42	14	45.6	G0	C0	5687	P -58 7247
00	10.4E	9.5Z	41 26.707	0.0013	12	-51 21 2.61	-0.007	12	0.81	26.648	63	04.6	2.28	57	04.6	A5	CZ	16640	P -5110552

245000 — EPOCH 1950 — ORIGINAL EPOCH — -50° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6	9.6W	17 41 31.134	-0.0007	07	-56 52 39.95	-0.007	07	0.14	31.137	14	45.6	39.92	14	45.6	A0		C0	5688	P -56 8422
2	9.8E	9.3Z	41 32.185	0.0021	12	-51 8 39.83	-0.008	12	0.81	32.090	63	04.6	39.47	57	04.6	A0		CZ	16643	P -5110553
3	9.8	9.6W	41 37.054	-0.0027	13	-57 48 3.76	-0.010	13	0.15	37.066	14	45.6	3.72	14	45.6	F8		C0	5689	P -57 8710
4		7.2T	41 43.486	0.0002	16	-50 45 39.86	-0.121	12	0.73	43.477	19	01.6	33.56	18	98.0	F8		GC	24070K	C*-5011514
5	9.7	8.6W	41 44.310	0.0012	07	-59 19 13.39	-0.017	07	0.14	44.304	14	45.6	13.32	14	45.6	K2		C0	5690	P -59 7131
6	9.9	8.7W	41 49.130	-0.0029	09	-59 39 33.60	-0.042	09	0.15	49.143	14	45.6	33.42	14	45.6	K5		C0	5693	P -59 7132
7	10.2	9.1W	41 54.397	-0.0019	08	-52 6 10.23	-0.031	08	0.19	54.418	15	38.6	9.88	18	38.6	K0		C9	6986	P -5210825
8	9.9	9.3W	41 57.145	-0.0125	07	-52 40 35.47	-0.078	07	0.18	57.288	15	38.6	34.58	18	38.6	G0		C9	6987	P -5210826
9		8.9T	41 58.202	-0.0029	20	-51 58 51.55	-0.003	16	0.86	58.332	24	04.8	51.72	22	01.8	K5		GC	24074	C -5111115
10	10.5	9.6W	42 2.021	-0.0015	09	-56 3 25.43	-0.027	09	0.15	2.028	14	45.6	25.31	14	45.6	G5	○	C0	5694	P -56 8428
11	8.0	8.2W	42 17.019	0.0002	07	-55 47 48.74	-0.029	07	0.14	17.018	14	45.6	48.61	14	45.6	A0		C0	5696	P -55 8291
12	9.5	9.2W	42 23.668	-0.0061	14	-59 5 3.35	-0.076	14	0.15	23.694	14	45.6	3.02	14	45.6	G0		C0	5697	P -59 7136
13		7.6T	42 30.766	0.0024	13	-58 10 35.60	-0.022	10	0.56	30.651	18	05.6	34.56	17	02.5	A2		GC	24084	P -58 7253
14	9.6	9.2W	42 37.184	-0.0040	15	-52 16 34.40	-0.072	15	0.24	37.229	15	38.6	33.58	18	38.6	G0		C9	6992	P -5210834
15		6.7T	42 38.236	-0.0005	09	-59 58 30.82	-0.030	07	0.46	38.263	18	01.3	29.18	17	95.9	A5		GC	24086	P*-59 7137
16	9.8	9.5W	42 39.142	-0.0000	15	-56 0 8.25	-0.119	15	0.24	39.142	15	38.6	6.89	18	38.6	G0		C9	6993	P*-55 8295
17	9.5	9.5W	42 40.130	-0.0032	13	-59 8 33.44	-0.017	13	0.15	40.144	14	45.6	33.51	14	45.6	A0		C0	5700	P -59 7139
18	8.8	8.8W	42 45.946	0.0006	08	-52 20 42.83	-0.013	08	0.19	45.939	15	38.6	42.68	18	38.6	A3		C9	6994	P -5210836
19	10.3E	9.8Z	42 59.162	0.0008	12	-50 7 26.45	-0.004	12	0.70	59.124	45	04.6	26.25	45	04.6	A3		CZ	16676	P -5010355
20	9.9	10.0W	43 0.106	-0.0006	15	-56 4 52.87	-0.034	15	0.24	0.112	15	38.6	52.49	18	38.6	A0		C9	6996	P -56 8436
21	9.6	8.0W	43 8.626	0.0007	06	-59 48 30.06	-0.011	06	0.14	8.623	14	45.6	30.02	14	45.6	K5		C0	5702	P -59 7143
22	8.8	9.1W	43 8.865	-0.0030	08	-52 22 32.81	-0.029	08	0.19	8.899	15	38.6	32.48	18	38.6	B8		C9	6997	P -5210844
23	9.9	9.8W	43 13.584	0.0002	13	-59 39 49.88	-0.038	13	0.15	13.583	14	45.6	49.72	14	45.6	A2		C0	5703	P -59 7145
24	9.4	8.0W	43 19.642	0.0012	06	-57 23 10.89	0.006	06	0.14	19.637	14	45.6	10.92	14	45.6	K2		C0	5705	P -57 8728
25		7.3T	43 19.659	0.0034	17	-56 8 53.56	-0.017	12	0.73	19.490	22	04.5	52.70	19	99.9	F2		GC	24104	P -56 8440
26	7.6	7.6W	43 23.880	0.0007	05	-57 25 52.64	0.017	05	0.14	23.877	14	45.6	52.72	14	45.6	F0		C0	5706	P -57 8730
27	9.8	9.1W	43 27.968	0.0014	07	-55 46 14.62	-0.177	07	0.18	27.952	15	38.6	12.59	18	38.6	G5		C9	6999	P -55 8304
28	9.5	9.9W	43 36.814	-0.0002	10	-59 25 49.92	0.000	10	0.15	36.814	14	45.6	49.92	14	45.6	A0		C0	5708	P -59 7150
29	9.8	8.4W	43 36.882	-0.0023	07	-54 40 35.24	-0.031	07	0.18	36.908	15	38.6	34.89	18	38.6	K2		C9	7000	P -54 8486
30	9.0	9.1W	43 40.908	0.0003	07	-56 34 32.55	-0.032	07	0.14	40.907	14	45.6	32.42	14	45.6	A2		C0	5709	P -56 8442
31	8.5	8.8W	43 52.036	-0.0019	07	-54 41 10.74	-0.005	07	0.18	52.058	15	38.6	10.69	18	38.6	B8		C9	7002	P -54 8491
32	8.6	8.9W	43 55.268	-0.0000	07	-54 25 50.36	-0.024	07	0.18	55.268	15	38.6	50.08	18	38.6	A2		C9	7003	P -54 8493
33	10.9		43 59.599	0.0026	14	-51 58 47.61	-0.056	14	0.23	59.569	15	38.6	46.97	18	38.6	A2		C9	7004	P -5110578
34	9.9	9.7W	44 0.006	-0.0026	07	-56 51 44.91	-0.021	07	0.14	0.017	14	45.6	44.82	14	45.6	A3		C0	5712	P -56 8444
35	10.4E	9.7Z	44 4.101	0.0034	12	-51 40 8.92	-0.024	12	0.81	3.946	63	04.6	7.81	57	04.6	F8		CZ	16694	P -5110579
36	10.4E	9.5*	44 10.109	0.0034	12	-51 45 2.27	0.002	12	0.65	9.944	31	02.0	2.39	31	02.0	F2		CZ	16698	P -5110580
37		8.2T	44 13.032	-0.0010	17	-55 46 24.39	-0.036	13	0.75	13.083	22	04.2	22.58	19	00.0	F5		GC	24127	P -55 8310
38	10.0E	9.0Z	44 14.566	0.0023	12	-50 24 5.38	-0.010	12	0.70	14.460	45	04.6	4.91	45	04.6	F5		CZ	16702	P -5010368
39	8.6E	8.7Z	44 16.843	0.0032	12	-51 25 49.78	0.019	12	0.81	16.698	63	04.6	50.64	57	04.6	F5		CZ	16701	P -5110581
40	9.6	9.7W	44 16.972	-0.0012	07	-56 46 10.99	0.005	07	0.14	16.977	14	45.6	11.02	14	45.6	A2		C0	5713	P -56 8446
41	9.1	9.2W	44 19.995	-0.0020	07	-54 33 36.55	-0.005	07	0.18	20.018	15	38.6	36.49	18	38.6	A0		C9	7006	P -54 8496
42	9.8	9.6W	44 22.958	-0.0061	13	-53 20 13.02	-0.021	13	0.22	23.028	15	38.6	12.78	18	38.6	F0		C9	7007	P -53 8785
43	8.8	7.9W	44 24.446	0.0037	06	-55 20 13.23	0.006	06	0.18	24.403	15	38.6	13.29	18	38.6	K2		C9	7008	P -55 8311
44		6.3T	44 27.613	-0.0038	08	-55 23 9.49	-0.030	05	0.30	27.786	12	11.4	10.84	12	04.6	F0		GC	24136	P -55 8312
45	10.6		44 30.647	-0.0002	14	-51 54 4.65	-0.050	14	0.23	30.649	15	38.6	4.08	18	38.6	A2		C9	7010	P -5110582
46	9.7	9.0W	44 31.065	-0.0020	07	-53 5 42.23	-0.075	07	0.18	31.088	15	38.6	41.38	18	38.6	G5		C9	7011	P -53 8787
47	8.1	8.4W	44 31.431	-0.0007	07	-59 22 11.32	0.022	07	0.14	31.434	14	45.6	11.42	14	45.6	B9		C0	5714	P -59 7153
48	10.5	9.3W	44 33.418	0.0025	08	-56 52 30.83	-0.026	08	0.14	33.407	14	45.6	30.72	14	45.6	K2		C0	5715	P -56 8447
49	10.2	8.6W	44 42.079	-0.0015	08	-57 42 44.79	-0.017	08	0.14	42.086	14	45.6	44.72	14	45.6	K5		C0	5716	P -57 8743
50	10.1	10.0W	44 44.892	-0.0031	15	-52 45 51.59	0.008	15	0.24	44.928	15	38.6	51.68	18	38.6	A0		C9	7012	P -5210861
51	9.9	9.7W	17 45 2.410	-0.0014	08	-58 4 15.16	-0.210	08	0.14	2.416	14	45.6	15.12	14	45.6	F8		C0	5717	P -58 7266
52	10.5	9.7W	45 17.812	-0.0058	09	-56 6 34.55	-0.010	09	0.15	17.838	14	45.6	34.51	14	45.6	K5		C0	5718	P -56 8451
53	9.9	9.2W	45 20.995	-0.0077	07	-55 36 27.52	-0.002	07	0.18	21.082	15	38.6	27.49	18	38.6	K0		C9	7013	P -55 8321
54	10.9E	9.4*	45 22.763	0.0013	12	-50 26 10.41	-0.007	12	0.64	22.700	31	02.8	10.07	28	02.8			CZ	16722	P -5010378
55	9.7	8.6W	45 26.598	-0.0000	07	-54 4 2.62	-0.012	07	0.18	26.598	15	38.6	2.48	18	38.6	K0		C9	7014	P -54 8505
56	9.5	8.8W	45 35.499	-0.0017	07	-52 57 14.50	-0.037	07	0.18	35.518	15	38.6	14.08	18	38.6	K0		C9	7015	P -5210867
57	9.4	8.1W	45 40.783	0.0039	07	-52 54 3.71	-0.082	07	0.18	40.738	15	38.6	2.78	18	38.6	K2		C9	7016	P -5210868
58	9.0	9.0W	45 44.280	-0.0007	07	-52 47 57.12	-0.021	07	0.18	44.288	15	38.6	56.88	18	38.6	A5		C9	7017	P -5210869
59	8.2	8.1W	45 48.038	-0.0009	07	-53 18 40.43	-0.013	07	0.18	48.048	15	38.6	40.28	18	38.6	F2		C9	7019	P -53 8794
60	10.2E	9.5Z	46 3.558	0.0012	12	-50 45 26.34	0.004	12	0.65	3.504	36	04.6	26.51	36	04.6	A2		CZ	16737	P -5010385
61	9.4	9.7W	46 14.224	0.0016	14	-56 33 37.72	-0.001	14	0.15	14.217	14	45.6	37.71	14	45.6	B9		C0	5720	P -56 8456
62	9.4E	9.0Z	46 18.498	0.0016	12	-50 16 27.96	-0.008	12	0.70	18.424	45	04.6	27.59	45	04.6	A3		CZ	16741D	P*-5010391
63	8.1	7.8W	46 22.117	-0.0027	06	-54 43 0.19	-0.027	06	0.18	22.148	15	38.6	59.89	18	38.6	G5		C9	7022	P -54 8513
64	9.4E	8.5Z	46 22.777	0.0027	12	-51 6 19.02	-0.026	12	0.63	22.648	28	02.0	17.77	26	02.0	K0		CZ	16742	P -5110606
65		5.9T	46 23.999	-0.0011	09	-53 35 53.16	-0.004	07	0.34	24.041	14	11.9	53.00	14	07.0	B3		GC	24187K	P -53 8799
66	9.0	8.4W	46 31.771	-0.0015	08	-54 19 11.02	-0.003	08	0.19	31.788	15	38.6	10.98	18	38.6	K0		C9	7024	P -54 8515
67	9.9	10.1W	46 42.392	0.0008	15	-55 9 46.08	-0.025	15	0.24	42.383	15	38.6	45.79	18	38.6	A0		C9	7028	P -55 8332
68	9.3	9.3W	46 56.722	0.0030	15	-53 56 54.09	-0.018	15	0.24	56.688	15	38.6	53.88	18	38.6	B9		C9	7029	P -53 8808
69	8.5	8.4W	46 58.875	-0.0003	08	-54 15 4.04	-0.040	08	0.19	58.878	15	38.6	3.58	18	38.6	F0		C9	7030	P -54 8520
70		7.5T	47 4.256	-0.0002	16	-50 16 38.31	0.014	12	0.74	4.263	19	01.5	39.04	18	97.5	M0		GC	24206	C -5011573
71	9.0	9.4W	47 7.213	-0.0004	07	-52 57 10.94	-0.005	07	0.18	7.218	15	38.6	10.88	18	38.6	B9		C9	7031	P -5210881
72		6.4T	47 8.153	0.0011	08	-53 7 1.90	-0.011	06	0.31	8.112	14	12.4	1.42	12	05.5	A0		GC	24208	P*-53 8812
73	10.1E	9.2Z	47 11.470	0.0017	12	-51 40 41.90	-0.022	12	0.81	11.391	63	04.6	40.88	57	04.6	K0		CZ	16761	P -5110615
74	10.1	10.2W	47 14.600	-0.0051	15	-52 55 9.04	-0.023	15	0.24	14.658	15	38.6	8.78	18	38.6	A0		C9	7033	P -5210883
75		6.5T	47 20.786	-0.0002	14	-53 49 28.40	-0.053	10	0.64	20.797	21	02.0	25.57	18	96.4	A3		GC	24212	P -53 8814
76	9.6	8.9W	47 41.587	-0.0017	08	-59 10 21.01	-0.045	08	0.14	41.594	14	45.6	20.82	14	45.6	K0		C0	5722	P -59 7163
77	9.5	8.6W	47 48.564	0.0005	07	-53 3 39.70	-0.028	07	0.18	48.558	15	38.6	39.38	18	38.6	K0		C9	7036	P -53 8816
78	9.5	9.4W	48 2.769	-0.0016	06	-58 28 46.56	-0.033	06	0.14	2.776	14	45.6	46.41	14	45.6	A2		C0	5725	P -58 7281
79	10.7		48 9.639	0.0036	08	-53 28 50.19	-0.010	08	0.19	9.598	15	38.6	50.08	18	38.6	F0	○	C9	7038	P -53 8818
80	8.5	8.7W	48 17.887	-0.0010	06	-53 29 43.57	-0.017	06	0.18	17.898	15	38.6	43.38	18	38.6	A0		C9	7039	P -53 8821
81	9.2	9.4W	48 20.022	-0.0031	15	-52 47 26.22	-0.030	15	0.24	20.058	15	38.6	25.88	18	38.6	A0		C9	7040	P -5210897
82		7.2T	48 20.125	0.0037	11	-51 42 8.93	0.032	13	0.67	19.922	17	95.6	10.60	18	98.6	F5		GC	24237	C -5111202
83	10.1	9.3W	48 20.390	-0.0013	08	-58 26 14.56	-0.010	08	0.14	20.396	14	45.6	14.52	14	45.6	G5		C0	5726	P -58 7283
84	9.2E	9.0Z	48 23.272	0.0012	12	-50 50 43.83	-0.008	12	0.70	23.218	45	04.6	43.46	45	04.6	A0		CZ	16781	P -5010425
85	9.6	9.9W	48 34.119	-0.0017	14	-58 1 58.20	0.003	14	0.15	34.126	14	45.6	58.22	14	45.6	B9		C0	5727	P -58 7285
86		6.7T	48 38.663	0.0009	13	-56 8 35.79	-0.024	10	0.57	38.620	18	07.8	34.60	18	01.0	K0		GC	24247	P -56 8468
87	7.8	8.2W	48 40.678	0.0008	07	-52 28 8.68	-0.018	07	0.18	40.669	15	38.6	8.48	18	38.6	B9		C9	7043	P*-5210900
88	7.5	7.5W	48 46.789	0.0010	06	-58 51 12.34	-0.006	06	0.14	46.784	14	45.6	12.32	14	45.6	F2		C0	5729	P -58 7286
89	9.5E	9.0Z	49 3.088	0.0023	12	-50 56 15.63	0.032	12	0.70	2.984	45	04.6	17.08	45	04.6	F8		CZ	16793	P -5010439
90	8.6	8.7W	49 5.882	0.0020	11	-59 41 46.57	-0.013	11	0.15	5.873	14	45.6	46.52	14	45.6	A0		C0	5730	P -59 7167
91	8.6E	8.5Z	49 8.178	0.0018	12	-50 49 7.45	-0.001	12	0.70	8.097	45	04.6	7.39	45	04.6	A0		CZ	16796	P -5010441
92	9.4	9.6W	49 10.298	0.0004	13	-57 56 41.58	-0.016	13	0.15	10.296	14	45.6	41.51	14	45.6	A0		C0	5732	P -57 8775
93	10.1E	9.3Z	49 24.369	0.0014	12	-51 26 19.10	0.013	12	0.81	24.305	63	04.6	19.68	57	04.6	K2		CZ	16799	P -5110643
94	9.7E	9.9Z	49 26.865	0.0031	12	-51 14 1.61	0.004	12	0.81	26.725	63	04.6	1.78	57	04.6	A3		CZ	16802	P -5110645
95	9.9	8.5W	49 27.999	-0.0017	11	-57 58 42.46	-0.011	11	0.15	28.006	14	45.6	42.42	14	45.6	K0		C0	5733	P -57 8777
96	9.4E	9.0Z	49 30.895	0.0019	12	-50 52 40.26	-0.000	12	0.64	30.806	31	02.8	40.25	28	02.8	F2		CZ	16805	P -5010444
97	8.8E	9.3Z	49 31.626	0.0020	12	-51 43 59.48	0.002	12	0.81	31.534	63	04.6	59.59	57	04.6	A2		CZ	16804	P -5110648
98		7.7T	49 33.777	0.0062	13	-58 15 44.79	0.010	10	0.62	33.459	22	02.1	45.31	18	98.8	A0		GC	24276	P -58 7288
99	8.9	7.9W	49 36.662	0.0100	06	-53 24 53.25	-0.006	06	0.18	36.548	15	38.6	53.18	18	38.6	K0		C9	7044	P -53 8832
00	10.1		49 37.339	0.0049	15	-55 17 24.92	-0.011	15	0.24	37.283	15	38.6	24.79	18	38.6	A0		C9	7045	P -55 8349

245100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 17H DM NUMBER
1		9.2T	17 49 49.552	-0.0009	26	-50 1 22.18	-0.003	20	1.08	49.591	21	04.2	22.03	19	02.3	F0	GC	24284K	C*-5011614
2	9.9	8.9W	49 55.163	-0.0009	07	-56 47 58.62	-0.024	07	0.14	55.167	14	45.6	58.52	14	45.6	K0	CD	5736	P -56 6479
3	7.3	7.6W	50 2.895	0.0001	07	-58 54 6.45	-0.030	07	0.14	2.894	14	45.6	6.32	14	45.6	B9	CD	5737	P -58 7289
4	10.2	9.0W	50 10.920	0.0002	09	-52 32 32.02	-0.048	09	0.20	10.918	15	38.6	31.47	18	38.6	K2	C9	7046	P -5210908
5	9.7	9.8W	50 19.913	0.0005	15	-55 24 55.25	-0.014	19	0.24	19.913	15	38.6	55.09	18	38.6	A2	C9	7048	P -55 8356
6	10.0	9.9W	50 27.007	-0.0013	11	-59 43 6.89	0.005	11	0.15	27.013	14	45.6	6.92	14	45.6	F8	CD	5739	P -59 7173
7		9.2T	50 29.749	0.0022	28	-50 0 35.22	-0.010	20	1.09	29.653	26	07.5	34.76	24	04.5	K7	GC	24310	C -4911779
8		7.5T	50 31.738	-0.0006	16	-55 53 21.44	-0.009	11	0.67	31.768	21	05.4	20.98	19	00.4	B9	GC	24311	P -55 8357
9	10.4	9.3W	50 35.683	-0.0009	08	-55 16 2.99	-0.017	08	0.19	35.693	15	38.6	2.79	18	38.6	G5	O C9	7050	P -55 8358
10	10.0E	9.0Z	50 51.317	0.0001	12	-51 30 38.49	0.019	12	0.81	51.311	63	04.6	39.36	57	04.6	K0	CZ	16829	P -5110657
11	10.2	10.0W	50 53.938	-0.0044	15	-52 50 48.46	0.019	15	0.24	53.988	15	38.6	48.68	18	38.6	A2	C9	7051	P -5210911
12	9.4	9.5W	50 57.265	0.0004	06	-59 58 29.78	-0.014	06	0.14	57.263	14	45.6	29.72	14	45.6	A3	CD	5742	P -59 7175
13	9.7	9.3W	51 2.441	0.0055	07	-54 19 43.38	-0.000	07	0.18	2.376	15	38.6	43.38	18	38.6	G0	C9	7052	P -54 8550
14	9.5	9.5W	51 7.656	-0.0019	07	-59 12 43.18	-0.015	07	0.14	7.664	14	45.6	43.11	14	45.6	F2	CD	5743	P -59 7180
15	9.7	8.7W	51 16.006	0.0017	07	-56 17 25.28	-0.015	07	0.14	15.998	14	45.6	25.21	14	45.6	K0	CD	5744	P -56 8492
16	10.6	9.7W	51 16.352	0.0009	09	-55 40 28.88	0.010	09	0.20	16.342	15	38.6	28.99	18	38.6	K2	C9	7054	P -55 8362
17	10.0	9.5W	51 18.737	-0.0036	15	-54 26 56.46	-0.068	15	0.24	18.778	15	38.6	55.68	18	38.6	F8	C9	7055	P -54 8551
18	10.2	9.2W	51 30.377	0.0013	07	-55 42 31.89	-0.017	07	0.18	30.362	15	38.6	31.69	18	38.6	K0	C9	7056	P -55 8364
19	9.8	9.8W	51 33.703	0.0004	07	-54 2 59.43	-0.021	07	0.18	33.698	15	38.6	59.18	18	38.6	A0	C9	7057	P -54 8555
20	8.7	9.1W	51 41.358	-0.0001	07	-54 10 47.00	-0.036	07	0.18	41.358	15	38.6	46.58	18	38.6	B9	C9	7058	P -54 8560
21	8.4	8.8W	51 50.741	0.0009	05	-57 25 28.79	-0.017	05	0.14	50.737	14	45.6	28.71	14	45.6	B8	CD	5746	P -57 8792
22	9.9	9.0W	51 50.952	0.0011	15	-52 2 23.82	-0.056	15	0.24	50.939	15	38.6	23.18	18	38.6	G5	C9	7059	P -5210922
23	10.2	10.1W	51 52.218	0.0008	09	-58 41 48.23	-0.026	09	0.15	52.214	14	45.6	48.12	14	45.6	F5	CD	5747	P -58 7293
24	10.1	9.5W	51 59.775	0.0041	15	-53 34 29.64	-0.084	15	0.24	59.728	15	38.6	28.68	18	38.6	G0	C9	7060	P -53 8846
25	9.1	9.1W	52 9.915	-0.0011	07	-52 44 55.46	-0.025	07	0.18	9.928	15	38.6	55.17	18	38.6	F0	C9	7062	P -5210923
26	9.1	8.1W	52 15.890	-0.0033	07	-53 20 14.34	-0.102	07	0.18	15.928	15	38.6	13.18	18	38.6	K0	C9	7063	P -53 8850
27	7.2	7.7W	52 17.101	-0.0024	05	-54 22 15.64	-0.014	05	0.18	17.128	15	38.6	15.48	18	38.6	B9	C9	7064	P -54 8564
28	9.6	9.3W	52 18.074	-0.0021	13	-59 54 24.87	0.011	13	0.15	18.083	14	45.6	24.91	14	45.6	F5	CD	5749	P -59 7185
29	9.9E	9.6Z	52 29.194	0.0012	12	-50 29 44.96	0.002	12	0.70	29.138	45	04.6	45.04	45	04.6	B9	CZ	16850	P -5010468
30	9.1	9.1W	52 42.517	-0.0001	07	-56 39 23.44	-0.052	07	0.14	42.517	14	45.6	23.22	14	45.6	F0	CD	5751	P -56 8501
31		7.0Q	53 2.588	-0.0018	14	-55 22 29.89	-0.032	10	0.61	2.680	21	04.5	28.25	19	99.1	F8	GC	24372K	P*-55 8375
32	9.2	9.4W	53 15.625	-0.0004	09	-52 11 48.91	-0.038	09	0.20	15.629	15	38.6	48.48	18	38.6	A	C9	7068	P*-5210926
33		6.5T	53 26.538	0.0003	13	-56 53 26.80	-0.015	09	0.62	26.520	22	99.6	25.90	19	90.9	B8	GC	24385	P -56 8506
34	9.3E	9.3W	53 27.846	0.0008	12	-50 12 39.77	0.004	12	0.64	27.807	31	02.8	39.94	28	02.8	B9	CZ	16863	P -5010474
35	8.9	8.7W	53 34.499	-0.0031	06	-59 41 44.38	-0.036	06	0.14	34.513	14	45.6	44.21	14	45.6	F2	CD	5755	P -59 7189
36	9.5	9.4W	53 39.104	-0.0021	07	-59 34 29.65	-0.054	07	0.14	39.113	14	45.6	29.42	14	45.6	F0	CD	5756	P -59 7191
37	10.1	9.1W	53 48.101	-0.0019	07	-55 27 41.83	-0.020	07	0.18	48.123	15	38.6	41.59	18	38.6	G5	C9	7069	P -55 8383
38	10.3	9.3W	53 50.389	-0.0029	07	-55 53 13.57	-0.024	07	0.18	50.422	15	38.6	13.29	18	38.6	K0	C9	7070	P*-55 8384
39	10.2	9.0W	53 53.552	-0.0004	08	-58 54 16.25	-0.030	08	0.14	53.554	14	45.6	16.12	14	45.6	K5	CD	5757	P -58 7298
40	10.1	9.8W	53 58.762	0.0012	09	-53 44 31.18	-0.008	09	0.20	58.748	15	38.6	31.08	18	38.6	A3	C9	7071	P -53 8858
41	10.0	10.0W	53 58.780	-0.0078	13	-58 49 21.90	0.003	13	0.15	58.814	14	45.6	21.92	14	45.6	A0	CD	5758	P -58 7300
42	8.9	9.3W	54 2.241	0.0003	07	-52 48 46.43	-0.004	07	0.18	2.238	15	38.6	46.38	18	38.6	A0	C9	7072	P -5210931
43	9.8	9.0W	54 7.292	0.0013	07	-57 47 17.25	-0.008	07	0.14	7.286	14	45.6	17.22	14	45.6	G5	CD	5760	P -57 8809
44	9.0	8.2W	54 14.399	0.0005	08	-55 9 29.88	-0.016	08	0.19	14.393	15	38.6	29.69	18	38.6	K0	C9	7073	P -55 8388
45	10.1	10.1W	54 18.592	0.0031	14	-56 12 31.71	0.022	14	0.15	18.578	14	45.6	31.81	14	45.6	A0	CD	5761	P -56 8515
46	10.0E	9.4*	54 21.781	0.0022	12	-51 42 53.89	0.017	12	0.65	21.674	31	02.1	54.68	31	02.1	A0	CZ	16879	P -5110684
47	10.0	10.1W	54 22.504	-0.0030	12	-57 6 59.05	-0.009	12	0.15	22.517	14	45.6	59.02	14	45.6	A0	CD	5762	P -57 8813
48		7.5T	54 22.894	0.0013	14	-58 39 3.81	-0.062	11	0.57	22.836	18	09.1	1.02	17	05.1	K0	GC	24405	P -58 7302
49	10.1	9.8W	54 34.888	0.0004	11	-58 4 41.34	0.017	11	0.15	34.886	14	45.6	41.42	14	45.6	G0	CD	5766	P -58 7304
50	9.3E	9.0Z	54 37.508	0.0013	12	-50 35 38.02	-0.005	12	0.70	37.450	45	04.6	37.79	45	04.6	F0	CZ	16884	P -5010483
51		8.6T	17 54 40.112	-0.0031	18	-54 34 30.19	0.044	15	0.76	40.245	22	06.9	32.17	21	05.3	K5	GC	24418	P -54 8588
52	9.1	8.9W	55 0.382	-0.0001	07	-55 29 37.57	-0.050	07	0.18	0.383	15	38.6	36.99	18	38.6	F2	C9	7077	P -55 8397
53	9.3E	9.0Z	55 2.302	0.0013	12	-50 50 5.56	-0.056	12	0.64	2.242	31	02.8	2.92	28	02.8	F8	CZ	16890	P -5010486
54	8.8	9.0W	55 9.524	-0.0003	07	-52 34 22.99	-0.019	07	0.18	9.528	15	38.6	22.78	18	38.6	A0	C9	7078	P -5210940
55	10.3	9.9W	55 23.632	-0.0018	15	-56 2 46.74	-0.056	15	0.24	23.652	15	38.6	46.09	18	38.6	F8	O C9	7080	P -56 8525
56		7.1T	55 24.208	0.0006	15	-56 15 8.72	-0.000	11	0.68	24.178	21	03.0	8.71	19	98.4	M0	GC	24429	P -56 8524
57	9.4	8.4W	55 35.174	-0.0013	07	-52 24 48.01	-0.038	07	0.18	35.189	15	38.6	47.58	18	38.6	K0	C9	7081	P -5210944
58	10.1	9.0W	55 45.977	-0.0015	06	-59 48 10.14	-0.028	06	0.14	45.983	14	45.6	10.02	14	45.6	K2	CD	5768	P -59 7200
59		6.9T	55 56.634	0.0010	12	-52 28 15.98	0.006	11	0.58	56.590	18	06.8	16.39	19	01.3	K2	GC	24457	P -5210947
60	9.7	9.3W	55 58.123	-0.0071	11	-58 45 29.43	-0.049	11	0.15	58.154	14	45.6	29.22	14	45.6	G5	CD	5769	P -58 7306
61	8.4	8.3W	55 59.307	-0.0072	07	-52 26 9.22	-0.109	07	0.18	59.389	15	38.6	7.98	18	38.6	F2	C9	7083	P -5210948
62	8.4	7.5W	56 1.977	-0.0027	07	-53 5 44.24	-0.058	07	0.18	2.008	15	38.6	43.58	18	38.6	K0	C9	7084	P -53 8866
63		7.1T	56 14.992	0.0025	15	-56 56 26.87	-0.020	11	0.60	14.878	18	08.0	25.95	17	04.6	K0	GC	24467	P -56 8530
64	10.1	9.1W	56 21.076	0.0018	07	-56 21 0.26	0.032	07	0.14	21.068	14	45.6	0.41	14	45.6	K0	CD	5771	P -56 8533
65	9.0	8.5W	56 23.689	-0.0061	07	-54 21 16.50	-0.080	07	0.18	23.758	15	38.6	15.58	18	38.6	G5	C9	7086	P -54 8604
66	10.3	9.3W	56 29.836	-0.0005	07	-56 16 23.20	0.000	07	0.14	29.838	14	45.6	23.21	14	45.6	G5	CD	5772	P -56 8534
67	10.0	9.7W	56 31.155	-0.0060	15	-55 2 41.64	-0.004	15	0.24	31.223	15	38.6	41.59	18	38.6	A2	C9	7087	P -55 8408
68	9.4	8.0W	56 35.140	-0.0013	06	-58 27 24.14	-0.050	06	0.14	35.146	14	45.6	23.92	14	45.6	K5	CD	5773	P -58 7310
69	9.8E	9.5Z	57 0.511	-0.0015	12	-51 25 2.12	-0.019	12	0.81	0.580	63	04.6	1.25	57	04.6	G0	CZ	16920	P -5110699
70	9.9	9.1W	57 1.676	-0.0026	07	-57 16 25.49	-0.018	07	0.14	1.687	14	45.6	25.42	14	45.6	K0	CD	5775	P -57 8839
71	10.0	8.6W	57 8.039	0.0007	12	-58 2 49.75	-0.009	12	0.15	8.036	14	45.6	49.71	14	45.6	K2	CD	5776	P -58 7312
72	9.0	8.9W	57 10.468	0.0010	06	-59 55 46.28	-0.016	06	0.14	10.463	14	45.6	46.22	14	45.6	F0	CD	5777	P -59 7205
73	10.5	9.3W	57 10.795	0.0004	07	-53 15 38.33	-0.022	07	0.18	10.788	15	38.6	38.07	18	38.6	K2	C9	7088	P -53 8872
74		7.7T	57 13.475	-0.0030	16	-55 58 22.58	-0.064	12	0.72	13.628	21	03.6	19.34	19	99.5	K0	GC	24494	P -55 8419
75	9.0E	9.3Z	57 16.389	0.0011	12	-51 49 45.34	-0.009	12	0.81	16.337	63	04.6	44.96	57	04.6	A0	CZ	16925	P -5110701
76	9.1	9.1W	57 19.991	-0.0032	07	-52 51 18.99	-0.027	07	0.18	20.028	15	38.6	18.68	18	38.6	A2	C9	7090	P -5210955
77	8.8E	9.1Z	57 21.125	0.0018	12	-51 46 5.29	-0.019	12	0.81	21.042	63	04.6	4.41	57	04.6	A0	CZ	16927	P -5110703
78	9.8	9.8W	57 24.424	0.0004	15	-52 18 0.85	0.046	15	0.24	24.419	15	38.6	1.38	18	38.6	K0	C9	7091	P -5210956
79	10.2	8.7W	57 25.523	-0.0013	09	-54 6 17.76	-0.042	09	0.20	25.538	15	38.6	17.28	18	38.6	K5	C9	7092	P -54 8615
80	10.0E	9.3Z	57 36.678	0.0013	12	-50 9 58.10	-0.015	12	0.70	36.617	45	04.6	57.41	45	04.6	B9	CZ	16930	P -5010504
81	10.8E	10.0*	57 40.289	0.0021	12	-50 56 26.45	0.008	12	0.62	40.192	28	03.5	26.82	26	03.5	A0	CZ	16931	P -5010505
82	10.0	10.3W	57 50.672	0.0018	11	-58 49 12.50	0.025	11	0.15	50.664	14	45.6	12.62	14	45.6	A0	CD	5779	P -58 7315
83	10.0	9.9W	57 51.070	-0.0007	15	-54 4 47.12	-0.029	15	0.24	51.078	15	38.6	46.78	18	38.6	A5	C9	7094	P -54 8622
84	9.6E	9.3Z	57 55.234	0.0007	12	-50 35 36.49	-0.020	12	0.65	55.203	36	04.8	35.58	36	04.8	A3	CZ	16938	P -5010509
85	9.3	8.0W	58 9.289	-0.0017	07	-52 57 23.97	-0.052	07	0.18	9.308	15	38.6	25.38	18	38.6	K2	C9	7095	P -5210959
86	9.4E	9.5Z	58 10.706	0.0014	12	-50 10 46.59	-0.018	12	0.63	10.639	31	03.1	45.74	28	03.1	B9	CZ	16940	P -5010510
87	8.9	9.3W	58 13.098	-0.0018	07	-58 13 2.12	-0.001	07	0.14	13.106	14	45.6	2.12	14	45.6	B9	CD	5780	P -58 7318
88	9.1	9.1W	58 14.449	-0.0016	07	-58 22 18.85	-0.031	07	0.14	14.456	14	45.6	18.72	14	45.6	F0	CD	5781	P -58 7317
89	9.6	9.3W	58 38.642	0.0018	13	-58 59 28.39	-0.039	13	0.15	38.634	14	45.6	28.21	14	45.6	F5	CD	5782	P -58 7319
90		7.7T	58 39.673	-0.0023	18	-53 42 9.73	-0.010	13	0.77	39.777	21	05.2	9.25	19	01.0	A2	GC	24521	P -53 8888
91	9.8	9.8W	58 42.619	-0.0008	15	-52 39 2.67	0.001	15	0.24	42.628	15	38.6	2.68	18	38.6	A0	C9	7098	P -5210962
92	10.2	10.0W	58 46.594	-0.0004	15	-53 35 32.09	-0.027	15	0.24	46.598	15	38.6	31.78	18	38.6	A3	C9	7099	P -53 8891
93	10.5	9.1W	58 46.891	0.0007	09	-56 13 48.75	-0.010	09	0.15	46.888	14	45.6	48.71	14	45.6	K2	O CD	5784	P -56 8554
94	9.5	9.0W	58 47.648	0.0008	11	-58 56 10.65	-0.031	11	0.15	47.644	14	45.6	10.52	14	45.6	G0	CD	5785	P -58 7320
95	9.9	9.9W	58 48.090	0.0002	15	-53 59 22.59	-0.035	15	0.24	48.088	15	38.6	22.18	18	38.6	A0	C9	7100	P -53 8890
96	8.0	8.3W	58 48.948	0.0022	06	-56 3 55.09	0.005	06	0.14	48.938	14	45.6	55.11	14	45.6	A0	CD	5787	P -56 8555
97	9.0	8.9W	58 49.021	-0.0058	06	-57 19 53.31	-0.068	06	0.14	49.047	14	45.6	53.01	14	45.6	G0	CD	5788	P -57 8849
98	8.6	8.8W	58 57.162	-0.0013	06	-56 7 34.27	-0.015	06	0.14	57.168	14	45.6	34.21	14	45.6	B9	CD	5789	P -56 8558
99	9.9	9.5W	59 1.779	0.0041	07	-55 49 33.84	-0.049	07	0.18	1.732	15	38.6	33.29	18	38.6	F8	C9	7103	P -55 8438
00	10.1	10.2W	59 2.546	0.0021	15	-55 41 48.64	-0.039	15	0.24	2.522	15	38.6	48.19	18	38.6	A2	C9	7104	P -55 8439

245200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} .001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ_{α_2} .01	ep.	δ_2 ″	σ_{δ_2} .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 17H DM NUMBER
1		6.9T	17 59 5.189	0.0010	10	-51 38 57.33	-0.106	11	0.55	5.141	15	02.9	52.01	18	99.6	F5	GC	24531	C -5111312
2	9.2	8.5W	59 14.847	-0.0022	07	-58 18 15.68	-0.014	07	0.14	14.856	14	45.6	15.62	14	45.6	G5	CO	5791	P -58 7322
3	10.4	10.0W	59 15.380	-0.0014	09	-57 46 14.41	0.002	09	0.15	15.386	14	45.6	14.42	14	45.6	F0	CO	5792	P -57 8855
4	10.0	9.1W	59 19.911	0.0011	07	-57 52 35.08	-0.016	07	0.14	19.906	14	45.6	35.02	14	45.6	K0	CO	5793	P -57 8856
5	8.8	8.0W	59 19.979	-0.0012	06	-58 37 50.47	-0.013	06	0.14	19.984	14	45.6	50.41	14	45.6	K0	CO	5794	P -58 7323
6	9.8	8.0W	59 29.938	0.0023	07	-56 16 16.86	-0.012	07	0.14	29.928	14	45.6	16.81	14	45.6	MA	CO	5797	P -56 8562
7	10.0	10.3W	59 33.730	-0.0068	15	-52 33 18.49	-0.019	15	0.24	33.808	15	38.6	18.28	18	38.6	A0	C9	7106	P -5210970
8	9.8	9.9W	59 39.662	-0.0006	11	-59 14 31.18	0.009	11	0.15	39.664	14	45.6	31.22	14	45.6	A2	CO	5798	P -59 7211
9	10.0	9.8W	59 41.180	-0.0012	07	-55 7 53.31	-0.036	07	0.18	41.193	15	38.6	52.89	18	38.6	F8	C9	7107	P -55 8445
10	8.7	8.3W	59 57.390	-0.0008	06	-59 52 33.59	-0.157	06	0.14	57.393	14	45.7	32.92	14	45.7	G5	CO	5454	P -59 7214
11		7.0T	18 0 0.856	0.0025	13	-59 10 49.93	0.008	10	0.60	0.728	19	03.2	50.34	18	98.6	K2	GC	24559	P -59 7215
12	9.6	8.3W	0 4.600	0.0002	07	-52 51 27.06	-0.042	07	0.18	4.598	15	38.6	26.58	18	38.6	K0	C9	7110	P -5210974
13	10.2	10.0W	0 5.231	-0.0036	15	-56 4 25.35	-0.058	15	0.24	5.272	15	38.6	24.69	18	38.6	B9	C9	7111	P -56 8568
14	10.0	9.5W	0 8.006	0.0025	09	-52 55 25.77	0.018	09	0.20	7.978	15	38.6	25.98	18	38.6	G0	C9	7112	P -5210975
15	9.7	8.7W	0 8.089	0.0027	07	-56 38 50.31	-0.089	07	0.14	8.077	14	45.6	49.92	14	45.6	K0	CO	5803	P*-56 8567
16	10.4	9.2W	0 14.779	-0.0021	07	-56 19 3.84	-0.029	07	0.14	14.788	14	45.6	3.71	14	45.6	K0	CO	5804	P -56 8570
17		7.0T	0 17.840	-0.0265	12	-59 12 43.41	-0.060	10	0.56	19.138	19	04.9	40.47	18	01.0	G0	GC	24564K	P -59 7218
18	8.0	8.4W	0 23.962	-0.0000	06	-55 34 23.45	-0.014	06	0.18	23.962	15	38.6	23.29	18	38.6	B8	C9	7115	P -55 8454
19	9.7E	9.2Z	0 25.708	0.0012	12	-50 34 4.69	-0.015	12	0.70	25.654	45	05.0	4.01	45	05.0	F2	CZ	16975	P -5010522
20	10.2	10.0W	0 31.523	0.0013	13	-54 6 38.12	0.015	13	0.22	31.508	15	38.6	38.28	18	38.6	A0	C9	7116	P -54 8651
21	8.6	8.8W	0 35.892	0.0003	08	-52 15 2.73	-0.005	08	0.19	35.889	15	38.6	2.68	18	38.6	A2	C9	7117	P -5210978
22	10.0	9.1W	0 36.696	0.0018	07	-56 10 37.90	-0.022	07	0.14	36.688	14	45.6	37.81	14	45.6	K0	CO	5806	P -56 8573
23	10.2	10.2W	0 39.708	-0.0040	15	-53 58 0.12	-0.015	15	0.24	39.708	15	38.6	0.28	18	38.6	A0	C9	7119	P -53 8912
24	10.0	9.0W	0 43.188	-0.0000	07	-54 10 19.41	-0.072	07	0.18	43.188	15	38.6	18.58	18	38.6	G5	C9	7121	P -54 8654
25	8.5	8.5W	0 46.402	0.0010	06	-55 52 27.16	-0.036	06	0.14	46.398	14	45.6	27.01	14	45.6	A2	CO	5807	P -55 8460
26	9.5	9.3W	0 49.325	0.0003	09	-58 37 17.43	-0.004	09	0.15	49.324	14	45.6	17.42	14	45.6	G0	CO	5808	P -58 7330
27	10.0	9.6W	0 54.714	-0.0030	14	-56 32 58.37	-0.013	14	0.15	54.727	14	45.6	58.31	14	45.6	F5	CO	5809	P -56 8576
28	9.3E	8.7Z	0 54.960	0.0002	12	-51 41 39.03	-0.014	12	0.81	54.950	63	04.6	38.41	57	04.6	A0	CZ	16980	P -5110721
29	9.4E	8.1Z	0 56.913	0.0011	12	-50 26 38.68	-0.003	12	0.70	56.862	45	05.0	38.54	45	05.0	K0	CZ	16982	P -5010525
30	9.9E	8.5Z	1 1.233	0.0000	12	-51 29 10.20	-0.028	12	0.81	1.233	63	04.6	8.92	57	04.6	K2	CZ	16983	P -5110722
31		9.3T	1 8.801	-0.0032	18	-54 40 7.95	0.032	14	0.78	8.943	22	05.3	9.47	21	02.7	K0	GC	24586	P -54 8658
32	10.2	9.9W	1 11.570	-0.0017	14	-56 45 2.12	-0.024	14	0.15	11.577	14	45.6	2.01	14	45.6	F0	CO	5810	P -56 8582
33	10.3	10.0W	1 14.318	0.0031	15	-55 21 37.44	-0.030	15	0.24	14.283	15	38.6	37.09	18	38.6	F3	C9	7128	P -55 8472
34	9.5E	9.0Z	1 35.614	0.0017	12	-51 15 47.93	-0.027	12	0.81	35.537	63	04.6	46.70	57	04.6	K0	CZ	16996	P -5110726
35	9.0	7.8W	1 49.363	0.0014	06	-56 49 36.26	0.012	06	0.14	49.357	14	45.6	36.32	14	45.6	K2	CO	5812	P -56 8586
36	8.7	8.5W	1 52.018	-0.0031	07	-55 28 2.89	-0.105	07	0.18	52.053	15	38.6	1.69	18	38.6	F8	C9	7131	P -55 8477
37		7.2T	2 6.506	0.0015	09	-58 34 34.19	-0.012	07	0.45	6.422	18	01.7	33.51	18	93.6	B5	GC	24619	P -58 7333
38		6.7T	2 10.681	0.0002	11	-51 44 56.62	-0.015	11	0.56	10.671	17	03.9	55.85	19	00.4	A2	GC	24622	C -5111348
39	10.4	10.2W	2 25.586	0.0025	15	-53 45 35.05	0.012	15	0.24	25.558	15	38.6	35.18	18	38.6	F5	C9	7132	P -53 8928
40	11.3E	9.8*	2 37.294	0.0015	12	-50 49 28.66	-0.000	12	0.63	37.225	31	03.1	28.66	28	03.1		CZ	17013	P -5010536
41	9.1E	9.0Z	2 40.676	-0.0013	12	-50 31 44.13	-0.048	12	0.70	40.736	45	05.0	41.97	45	05.0	F0	CZ	17015	P -5010537
42		3.9H	2 44.229	-0.0011	03	-50 5 49.54	-0.017	03	0.11	44.270	05	14.4	48.89	05	12.2	B1P	F4	1471	C -5010720
43	7.6	7.5W	2 46.502	0.0030	07	-54 11 6.37	-0.069	07	0.18	46.468	15	38.6	5.58	18	38.6	F5	C9	7135	P -54 8681
44	10.0	8.4W	2 48.148	0.0011	09	-59 36 54.37	0.010	09	0.15	48.143	14	45.6	54.42	14	45.6	K5	CO	5814	P -59 7222
45	8.1	7.9W	2 52.539	0.0045	07	-52 58 17.93	-0.092	07	0.18	52.488	15	38.6	16.88	18	38.6	F8	C9	7136	P -5210991
46	9.9	9.7W	2 53.027	-0.0016	10	-58 54 54.63	0.020	10	0.15	53.034	14	45.6	54.71	14	45.6	F8	CO	5815	P -58 7335
47	10.3	10.0W	2 54.832	0.0025	15	-55 28 57.46	-0.006	15	0.24	54.803	15	38.6	57.39	18	38.6	F0	C9	7137	P -55 8489
48	10.2	9.3W	3 1.718	-0.0000	07	-54 39 18.17	-0.015	07	0.18	1.718	15	38.6	17.99	18	38.6	G5	C9	7138	P -54 8684
49	9.8E	9.0Z	3 17.150	0.0023	12	-51 18 14.70	-0.010	12	0.65	17.040	31	02.1	14.21	31	02.1	A0	CZ	17025	P -5110738
50	7.5	7.8W	3 29.708	-0.0000	07	-54 9 23.24	-0.022	07	0.18	29.708	15	38.6	22.98	18	38.6	A2	C9	7139	P -54 8690
51	10.8	9.4W	18 3 31.745	-0.0011	09	-54 11 26.21	-0.028	09	0.20	31.758	15	38.6	25.88	18	38.6		C9	7140	P -54 8692
52	9.9	9.0W	3 32.402	-0.0014	07	-54 20 44.34	0.004	07	0.18	32.418	15	38.6	44.38	18	38.6	G5	C9	7141	P -54 8691
53	9.8E	8.5Z	3 35.585	-0.0009	12	-51 6 50.70	-0.021	12	0.70	35.626	45	04.1	49.73	45	04.1	G0	CZ	17035	P -5110744
54	9.9	10.0W	3 54.471	0.0015	11	-59 7 24.59	0.006	11	0.15	54.464	14	45.6	24.62	14	45.6	F5	CO	5816	P -59 7225
55	10.0	9.7W	4 0.054	0.0014	15	-53 29 59.58	-0.053	15	0.24	0.038	15	38.6	58.98	18	38.6	G0	C9	7143	P -53 8941
56		7.0T	4 2.022	-0.0010	17	-52 14 43.06	-0.015	13	0.74	2.066	22	04.6	42.34	19	00.5	K0	GC	24673	P -5211003
57	9.3	8.3W	4 2.674	-0.0021	07	-54 16 11.99	0.017	07	0.18	2.698	15	38.6	12.18	18	38.6	K2	C9	7145	P -54 8697
58		7.1T	4 4.408	-0.0023	15	-55 41 54.89	-0.003	11	0.65	4.524	21	03.8	54.73	18	00.2	K2	GC	24675	P -55 8503
59	10.1	9.5W	4 5.191	-0.0036	07	-56 45 57.86	0.013	07	0.14	5.207	14	45.6	57.92	14	45.6	G5	CO	5817	P -56 8607
60	9.2	8.9W	4 7.077	-0.0023	07	-56 46 29.42	-0.001	07	0.14	7.087	14	45.6	29.42	14	45.6	G0	CO	5818	P -56 8608
61	9.4	9.4W	4 15.538	0.0032	14	-59 15 35.62	-0.001	14	0.15	15.524	14	45.6	35.62	14	45.6	A0	CO	5819	P -59 7227
62	8.6	8.9W	4 15.562	-0.0004	07	-58 33 43.48	0.008	07	0.14	15.564	14	45.6	43.52	14	45.6	A0	CO	5820	P -58 7337
63	9.8	9.6W	4 17.649	0.0036	14	-59 36 24.76	-0.034	14	0.15	17.633	14	45.6	24.62	14	45.6	A5	CO	5821	P -59 7226
64	10.0	10.2W	4 18.169	0.0010	14	-58 44 26.25	-0.007	14	0.15	18.164	14	45.6	26.22	14	45.6	A5	CO	5822	P -58 7338
65	9.8	9.5W	4 23.522	0.0086	07	-59 0 24.84	-0.029	07	0.14	23.484	14	45.6	24.72	14	45.6	F5	CO	5823	P -59 7228
66	9.1	7.7W	4 54.498	0.0005	07	-57 47 41.50	-0.019	07	0.14	54.496	14	45.6	41.42	14	45.6	K2	CO	5824	P -57 8891
67	10.1	9.9W	4 59.530	0.0050	13	-56 20 30.25	0.014	13	0.15	59.508	14	45.6	30.31	14	45.6	A5	CO	5825	P -56 8617
68	9.5	8.9W	5 12.852	-0.0005	07	-53 50 6.67	-0.002	07	0.18	12.858	15	38.6	6.68	18	38.6	A5	C9	7152	P -53 8955
69	9.2	9.0W	5 21.506	-0.0011	07	-53 3 57.96	-0.025	07	0.18	21.518	15	38.6	57.68	18	38.6	F8	C9	7154	P -53 8959
70	10.3	9.0W	5 25.900	-0.0025	09	-52 53 52.38	-0.044	09	0.20	25.928	15	38.6	51.87	18	38.6	K5	C9	7156	P -5211011
71	9.9E	8.2Z	5 26.664	-0.0025	12	-51 4 45.74	-0.037	12	0.82	26.778	63	03.7	44.03	57	03.7	K2	CZ	17064	P -5110754
72	9.0E	9.0Z	5 30.510	-0.0013	12	-51 10 42.67	0.002	12	0.66	30.571	31	01.5	42.77	31	01.5	A0	CZ	17067	P -5110755
73		6.4T	5 32.622	-0.0019	10	-59 2 58.14	0.001	09	0.46	32.711	17	07.9	58.19	18	02.9	K5	GC	24710K	P -59 7231
74	8.8	8.8W	5 38.043	0.0000	13	-59 54 16.67	-0.012	13	0.15	38.043	14	45.6	16.62	14	45.6	A3	CO	5828	P -59 7230
75	9.2	9.3W	5 39.554	0.0015	06	-56 24 35.70	-0.022	06	0.14	39.548	14	45.6	35.61	14	45.6	A3	CO	5829	P -56 8628
76	8.6	8.3W	5 43.948	0.0008	06	-58 58 40.95	-0.009	06	0.14	43.944	14	45.6	40.92	14	45.6	F8	CO	5830	P -58 7345
77	10.2	10.2W	5 51.168	-0.0044	15	-53 2 2.60	-0.002	15	0.24	51.218	15	38.6	2.58	18	38.6	A2	C9	7161	P -53 8965
78	9.4	7.8W	5 55.213	0.0020	09	-59 19 14.45	0.016	09	0.15	55.204	14	45.6	14.52	14	45.6	K2	CO	5832	P -59 7232
79	9.9	9.6W	5 55.287	0.0005	06	-59 0 45.43	-0.026	06	0.14	55.284	14	45.6	45.32	14	45.6	F9	CO	5833	P -59 7233
80	10.3		5 57.308	0.0047	13	-56 33 53.48	-0.082	13	0.15	57.287	14	45.6	53.12	14	45.6	A2	CO	5834	P -56 8632
81	9.8E	8.5Z	6 3.325	0.0016	12	-51 38 36.02	-0.023	12	0.82	3.252	63	03.7	34.94	57	03.7	G5	CZ	17075	P -5110758
82	9.9	10.0W	6 22.907	-0.0028	07	-52 2 30.32	-0.021	07	0.18	22.939	15	38.6	30.08	18	38.6	A2	C9	7165	P -5211017
83	10.2	9.4W	6 28.007	0.0017	15	-54 14 54.15	-0.023	15	0.24	27.988	15	38.6	53.88	18	38.6	G5	C9	7166	P -54 8727
84	10.3		6 31.868	-0.0000	14	-56 12 38.48	0.005	14	0.15	31.868	14	45.6	38.51	14	45.6	A2	CO	5835	P -56 8640
85	9.5	9.5W	6 34.852	-0.0005	07	-52 36 5.27	-0.008	07	0.18	34.858	15	38.6	5.17	18	38.6	F0	C9	7168	P -5211019
86	10.4	9.8W	6 36.555	0.0038	14	-56 11 17.49	0.005	14	0.15	36.538	14	45.6	17.51	14	45.6	G2	CO	5836	P -56 8642
87	9.9	9.2W	6 41.189	-0.0170	07	-58 30 53.88	-0.265	07	0.14	41.264	14	45.6	52.71	14	45.6	G5	CO	5837	P -58 7347
88	8.4	8.9W	6 52.310	0.0005	06	-56 7 51.60	0.000	06	0.14	52.308	14	45.6	51.61	14	45.6	B9	CO	5838	P -56 8647
89	9.7	8.9W	6 57.676	0.0006	07	-51 59 59.89	-0.001	07	0.18	57.669	15	38.6	59.88	18	38.6	K0	C9	7171	P -5211020
90	9.9	10.1W	7 2.010	-0.0019	07	-56 8 45.86	-0.012	07	0.14	2.018	14	45.6	45.81	14	45.6	A0	CO	5839	P -56 8649
91	10.3E	9.8*	7 12.920	-0.0009	12	-50 43 17.65	0.000	12	0.64	12.961	31	02.8	17.66	28	02.8		CZ	17095	P -5010565
92	10.4	9.8W	7 13.869	0.0095	14	-56 37 37.76	0.036	14	0.15	13.827	14	45.6	37.92	14	45.6	G5	CO	5840	P -56 8651
93	10.1	9.2W	7 15.973	0.0013	07	-54 15 47.58	0.001	07	0.18	15.958	15	38.6	47.58	18	38.6	G5	C9	7173	P -54 8736
94	8.4	7.8W	7 24.917	0.0007	06	-58 54 48.74	-0.051	06	0.14	24.914	14	45.6	48.52	14	45.6	G0	CO	5841	P -59 7236
95		6.8T	7 32.681	-0.0015	15	-55 22 24.00	-0.040	11	0.66	32.757	21	04.3	21.97	19	99.5	K5	GC	24768	P -55 8536
96	10.0	10.0W	7 33.449	0.0010	15	-53 46 47.90	0.043	15	0.24	33.438	15	38.6	48.38	18	38.6	A2	C9	7175	P -53 8976
97		7.9T	7 33.853	0.0044	13	-58 12 6.36	-0.039	11	0.54	33.654	18	08.8	4.60	17	04.8	G5	GC	24770	P -58 7349
98	10.2	9.9W	7 35.902	-0.0049	15	-53 42 48.95	-0.032	15	0.24	35.958	15	38.6	48.58	18	38.6	G0	C9	7177	P -53 8977
99	10.2	9.3W	7 36.818	-0.0009	15	-53 10 21.03	-0.057	15	0.24	36.828	15	38.6	20.38	18	38.6	G5	C9	7178	P -53 8980
00		7.5T	7 36.940	0.0001	16	-56 24 46.50	-0.001	12	0.69	36.936	22	04.8	46.44	19	00.5	A2	GC	24772	P -56 8655

245300

-50° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.2	9.5W	16 7 38.829	-0.0015	09	-58 19 11.86	-0.010	09	0.15	38.836	14	45.6	11.82	14	45.6	G5		CD	5846	P -58 7350
2	10.5	10.3W	7 40.325	0.0111	11	-57 53 21.14	-0.006	11	0.15	40.276	14	45.6	21.12	14	45.6	F5	O	CD	5847	P -57 8921
3	9.7	8.8W	7 41.573	0.0004	07	-54 7 52.25	-0.032	07	0.18	41.568	15	38.6	51.88	18	38.6	K0		C9	7179	P#-54 8740
4		7.6T	7 48.625	0.0017	13	-56 26 25.05	0.025	11	0.63	48.535	21	01.5	26.37	18	96.8	A0		GC	24773K	P -56 8656
5	10.1	9.3W	7 52.558	-0.0018	09	-58 17 34.33	-0.071	09	0.15	52.566	14	45.6	34.02	14	45.6	G5		CD	5849	P -58 7352
6	9.8E	8.5Z	7 57.067	-0.0005	12	-51 48 6.02	-0.014	12	0.82	57.091	63	03.7	5.36	57	03.7	G0		CZ	17107	P -5110764
7	7.9E	8.0Z	8 2.037	-0.0016	12	-51 39 56.64	-0.038	12	0.66	2.115	31	01.5	54.79	31	01.5	B9		CZ	17110	P -5110765
8	9.4	9.1W	8 2.583	-0.0025	09	-58 38 46.66	-0.057	09	0.15	2.594	14	45.6	46.42	14	45.6	F5		CD	5850	P -58 7353
9	9.4E	9.4Z	8 7.930	-0.0015	12	-51 35 52.69	-0.044	12	0.82	8.000	63	03.7	50.64	57	03.7	A2		CZ	17112	P -5110767
10	9.0	8.8W	8 10.115	-0.0024	07	-55 41 7.63	-0.041	07	0.18	10.142	15	38.6	8.09	18	38.6	F2		C9	7182	P -55 8538
11	9.3	8.7W	8 10.148	-0.0004	07	-55 30 16.93	-0.039	07	0.18	10.152	15	38.6	16.49	18	38.6	K0		C9	7183	P -55 8539
12	9.9	9.5W	8 32.482	-0.0005	15	-54 23 56.57	-0.086	15	0.24	32.488	15	38.6	55.58	18	38.6	G0		C9	7184	P -54 8748
13	9.0	9.2W	8 32.522	0.0003	06	-54 48 22.27	-0.007	06	0.18	32.518	15	38.6	22.19	18	38.6	A2		C9	7185	P -54 8746
14	10.1E	9.6Z	8 35.344	0.0002	12	-51 5 50.24	-0.005	12	0.82	36.333	63	03.7	50.02	57	03.7	A5		CZ	17124	P -5110771
15	9.2	9.3W	8 48.121	-0.0002	08	-55 11 51.49	0.001	08	0.19	48.123	15	38.6	51.49	18	38.6	A0		C9	7186	P -55 8543
16	10.0	9.3W	8 48.927	0.0024	07	-57 54 30.71	0.002	07	0.14	48.916	14	45.6	30.72	14	45.6	G5		CD	5853	P -57 8931
17	9.5	9.2W	8 54.019	-0.0009	07	-59 31 54.13	0.019	07	0.14	54.023	14	45.6	54.22	14	45.6	F8		CD	5854	P -59 7237
18	8.3	8.7W	8 54.861	0.0008	07	-55 37 27.45	-0.005	07	0.18	54.852	15	38.6	27.39	18	38.6	A0		C9	7187	P -55 8545
19	10.5	9.0W	8 57.070	-0.0007	08	-54 59 43.16	0.002	08	0.19	57.078	15	38.6	43.19	18	38.6	K2	O	C9	7188	P -55 8546
20		6.7T	9 1.324	-0.0002	09	-50 34 15.85	-0.078	06	0.37	1.333	12	07.6	12.20	12	03.3	F0		GC	24808K	C#-5011779
21	9.8E	9.4Z	9 17.716	-0.0002	12	-50 1 23.33	-0.027	12	0.70	17.725	45	04.5	22.10	45	04.5	A2		CZ	17141	P -5010579
22	10.2	10.3W	9 28.210	-0.0038	14	-56 54 59.40	0.004	14	0.15	28.227	14	45.6	59.42	14	45.6	A0		CD	5855	P -56 8670
23	9.2	8.4W	9 38.588	0.0009	06	-54 22 48.16	0.011	06	0.18	38.578	15	38.6	48.28	18	38.6	K0		C9	7192	P#-54 8761
24	9.3E	9.0Z	9 46.098	0.0018	12	-50 25 43.35	-0.017	12	0.65	46.016	36	04.8	42.58	36	04.8	A0		CZ	17148	P -5010582
25	10.1	9.7W	9 47.046	-0.0019	15	-52 32 0.93	-0.022	15	0.24	47.068	15	38.6	0.68	18	38.6	F5		C9	7194	P -5211035
26	9.6	9.8W	9 53.340	-0.0025	15	-54 45 31.67	0.029	15	0.24	53.368	15	38.6	31.99	18	38.6	A0		C9	7195	P -54 8765
27	10.8	9.5W	9 55.353	-0.0008	09	-55 39 45.96	-0.015	09	0.20	55.362	15	38.6	45.79	18	38.6	K5		C9	7196	P -55 8553
28	8.7	9.1W	9 56.397	-0.0018	07	-53 10 53.94	-0.032	07	0.18	56.418	15	38.6	53.58	18	38.6	A0		C9	7197	P -53 9001
29	8.7	7.8W	9 56.440	0.0014	06	-58 43 11.78	-0.037	06	0.14	56.434	14	45.6	11.62	14	45.6	K0		CD	5857	P -58 7355
30	9.8	8.2W	10 12.059	0.0041	07	-55 33 17.32	0.015	07	0.18	12.012	15	38.6	17.49	18	38.6	K5		C9	7203	P -55 8557
31	9.0	8.7W	10 17.196	0.0060	07	-54 4 15.77	-0.130	07	0.18	17.128	15	38.6	14.28	18	38.6	G5		C9	7204	P -54 8771
32	10.2	9.9W	10 28.587	0.0023	09	-56 59 48.76	0.036	09	0.15	28.577	14	45.6	48.92	14	45.6	F5	O	CD	5858	P -57 8939
33	9.2	8.0W	10 38.568	0.0009	07	-53 5 36.59	-0.027	07	0.18	38.558	15	38.6	36.28	18	38.6	K0		C9	7207	P -53 9011
34	9.5	9.4W	10 44.676	0.0007	07	-52 50 3.62	-0.012	07	0.18	44.668	15	38.6	3.48	18	38.6	F5		C9	7209	P -5211045
35		8.3Q	10 48.099	0.0065	12	-57 52 6.83	-0.118	11	0.58	47.767	19	02.3	0.84	18	99.1	G5		GC	24858K	P#-57 8940
36		8.5Q	10 48.561	0.0096	17	-57 52 7.62	-0.115	18	0.84	48.122	24	04.4	2.38	24	04.4			GC	24859K	P -57 8940
37	10.3	8.6W	10 51.523	0.0009	06	-55 58 7.21	-0.019	06	0.18	51.512	15	38.6	6.99	18	38.6	K2		C9	7212	P -55 8563
38	9.7E	9.3Z	10 53.021	-0.0007	12	-51 48 23.16	-0.026	12	0.82	53.056	63	03.7	21.94	57	03.7	A2		CZ	17167	P -5110783
39	9.5E	9.3Z	10 53.082	0.0011	12	-50 38 48.13	-0.005	12	0.70	53.031	45	04.5	47.91	45	04.5	A2		CZ	17168	P -5010588
40	9.3	8.5W	10 56.053	0.0016	06	-58 3 19.44	0.040	06	0.14	56.046	14	45.6	19.61	14	45.6	G5		CD	5862	P -58 7360
41	9.7E	8.5Z	10 58.410	0.0025	12	-50 21 38.18	-0.061	12	0.70	58.296	45	04.5	35.41	45	04.5			CZ	17173	P -5010590
42	10.5	8.9W	11 4.284	0.0001	09	-55 7 3.83	0.015	09	0.20	4.283	15	38.6	3.99	18	38.6	K5		C9	7213	P -55 8568
43	10.1	10.1W	11 5.980	-0.0051	15	-54 22 46.04	0.004	15	0.24	6.018	15	38.6	46.08	18	38.6	A2		C9	7214	P -54 8784
44		7.3T	11 6.048	-0.0035	17	-50 19 23.93	-0.024	13	0.77	6.214	19	02.0	22.69	18	98.8	A0		GC	24867K	C#-5011800
45	9.5	9.1W	11 9.502	-0.0031	07	-58 12 2.86	0.080	07	0.14	9.516	14	45.6	3.22	14	45.6	G5		CD	5863	P -58 7362
46	10.0E	8.0Z	11 29.050	0.0007	12	-50 23 51.78	-0.011	12	0.70	29.017	45	04.5	51.27	45	04.5	K5		CZ	17186	P -5010596
47	9.5E	8.7Z	11 30.897	-0.0006	12	-51 37 17.64	-0.025	12	0.82	30.926	63	03.7	16.46	57	03.7	A0		CZ	17184	P -5110786
48	8.9	8.9W	11 32.017	0.0007	08	-56 50 12.31	-0.020	08	0.19	32.009	15	38.6	12.08	18	38.6	F5		C9	7215	P -5110785
49	9.6	9.4W	11 34.251	0.0009	05	-57 25 44.94	-0.029	05	0.14	34.247	14	45.6	44.82	14	45.6	F0		CD	5864	P -57 8944
50	9.4	9.4W	11 34.747	0.0008	15	-53 43 18.30	-0.062	15	0.24	34.738	15	38.6	17.58	18	38.6	A3		C9	7216	P -53 9021
51		8.0T	18 11 38.429	-0.0005	13	-55 22 22.46	-0.009	11	0.58	38.453	18	07.3	22.01	18	01.5	F2		GC	24881	P -55 8572
52	10.3	9.4W	11 43.183	0.0013	07	-56 42 37.78	-0.015	07	0.14	43.177	14	45.6	37.72	14	45.6	G6	O	CD	5865	P -56 8689
53	9.0	9.2W	11 48.504	-0.0005	07	-52 26 21.94	-0.023	07	0.18	48.509	15	38.6	21.68	18	38.6	A3		C9	7219	P -5211048
54		6.8T	11 51.812	-0.0030	13	-56 40 2.16	-0.034	11	0.63	51.969	19	00.3	0.37	17	97.7	K0		GC	24883K	P#-56 8693
55	9.1	9.1W	11 53.847	-0.0003	07	-56 19 1.89	-0.019	07	0.14	53.848	14	45.6	1.81	14	45.6	A0		CD	5868	P -56 8694
56	8.6E	8.0Z	11 54.106	0.0008	12	-50 11 51.18	-0.045	12	0.70	54.069	45	04.5	49.13	45	04.5	F5		CZ	17192	P -5010598
57	10.1	9.6W	11 54.230	0.0028	15	-53 34 11.41	-0.046	15	0.24	54.198	15	38.6	10.88	18	38.6	A5		C9	7220	P -53 9025
58	8.4	8.2W	12 0.810	-0.0327	05	-59 25 6.69	-0.109	05	0.14	0.954	14	45.6	6.22	14	45.6	F8		CD	5869	P -59 7243
59		7.2T	12 10.302	0.0027	14	-57 27 51.21	-0.034	11	0.61	10.175	21	05.4	49.60	18	02.9	F5		GC	24891	P -57 8952
60	9.9		12 18.643	-0.0048	11	-58 42 9.89	0.006	11	0.15	18.664	14	45.6	9.91	14	45.6	A0	O	CD	5871	P -58 7363
61	7.3	7.7W	12 18.987	0.0009	06	-59 34 49.99	-0.017	06	0.14	18.983	14	45.6	49.92	14	45.6	A0		CD	5872	P -59 7244
62	11.0	9.4W	12 37.428	0.0002	08	-56 50 6.99	0.051	08	0.14	37.427	14	45.6	7.22	14	45.6	MB		CD	5873	P -56 8698
63	10.2	9.7W	12 42.121	-0.0013	13	-56 34 32.43	-0.117	13	0.15	42.127	14	45.6	31.92	14	45.6	G5		CD	5874	P -56 8699
64	10.1E	9.5Z	12 42.116	0.0012	12	-51 43 4.58	0.007	12	0.82	42.062	63	03.7	4.89	57	03.7	A5		CZ	17202	P -5110792
65	9.8	10.2W	12 43.719	0.0009	15	-52 12 41.35	-0.015	15	0.24	43.709	15	38.6	41.18	18	38.6	A0		C9	7224	P -5211050
66	9.4E	9.3Z	12 43.895	-0.0007	12	-50 43 32.03	-0.013	12	0.70	43.925	45	04.5	31.44	45	04.5	A0		CZ	17205	P -5010604
67	9.5	9.5W	12 51.428	-0.0000	07	-56 28 53.55	-0.010	07	0.14	51.428	14	45.6	53.51	14	45.6	A2		CD	5875	P -56 8702
68	8.3	8.8W	12 51.568	0.0004	07	-58 12 8.96	0.017	07	0.14	51.566	14	45.6	9.02	14	45.6	A0		CD	5876	P -58 7365
69		5.5H	12 54.770	-0.0007	04	-56 2 29.15	-0.012	04	0.15	54.796	07	14.3	28.71	06	14.8	B5		F4	1474	P -56 8706
70	8.7	8.8W	12 57.793	0.0036	06	-56 47 10.30	-0.020	06	0.14	57.777	14	45.6	10.22	14	45.6	A0		CD	5878	P -56 8703
71	10.7	9.3W	13 0.130	-0.0025	09	-54 48 32.23	0.005	09	0.20	0.158	15	38.6	32.29	18	38.6	K5		C9	7227	P -54 8796
72		6.3T	13 4.552	0.0004	13	-51 3 11.69	-0.020	09	0.61	4.533	19	00.8	10.56	18	93.8	B9		GC	24909	C -5111460
73	10.2	9.1W	13 12.568	-0.0000	07	-54 11 15.26	-0.050	07	0.18	12.568	15	38.6	14.68	18	38.6	G5		C9	7229	P -54 8799
74	10.0E	9.5Z	13 21.470	0.0002	12	-51 30 58.53	0.004	12	0.82	21.462	63	03.7	58.70	57	03.7	K0		CZ	17213	P -5110796
75	10.2	9.2W	13 22.506	0.0029	08	-59 44 29.94	-0.006	08	0.14	22.493	14	45.6	29.91	14	45.6	G5		CD	5879	P -59 7248
76	9.0	8.8W	13 25.391	0.0010	06	-58 12 13.07	-0.013	06	0.14	25.386	14	45.6	13.02	14	45.6	F5		CD	5880	P -58 7366
77		7.4T	13 36.254	-0.0026	16	-56 29 49.86	0.019	12	0.68	36.382	21	05.4	50.78	19	01.2	F0		GC	24915	P -56 8712
78	9.5	8.9W	13 43.863	0.0020	07	-58 55 41.01	-0.021	07	0.14	43.874	14	45.6	40.92	14	45.6	G0		CD	5882	P -58 7367
79	9.5E	8.0Z	13 45.239	-0.0001	12	-50 44 26.55	0.009	12	0.64	45.242	31	02.8	26.98	28	02.8	MA		CZ	17218	P -5010609
80		7.0T	13 47.752	0.0010	15	-52 3 35.31	0.029	12	0.70	47.703	21	02.2	36.80	19	97.8	F5		GC	24926	P -5211054
81	8.6	8.9W	13 48.189	-0.0017	07	-53 30 25.68	-0.043	07	0.18	48.208	15	38.6	25.18	18	38.6	A0		C9	7233	P -53 9042
82	9.9	9.5W	13 51.749	0.0014	07	-59 54 27.63	-0.027	07	0.14	51.743	14	45.7	27.51	14	45.7	G5		CD	5526	P -59 7249
83	8.9E	8.7+	13 54.509	-0.0005	12	-50 12 9.93	-0.031	12	0.64	54.533	31	02.8	8.47	28	02.8	A2		CZ	17221	P -5010611
84	10.1	10.0W	14 0.243	0.0020	13	-58 33 8.16	0.013	13	0.15	0.234	14	45.6	8.22	14	45.6	A4	O	CD	5884	P -58 7368
85	10.3	9.9W	14 0.933	0.0012	09	-56 19 48.39	-0.019	09	0.15	0.928	14	45.6	48.31	14	45.6	G5	O	CD	5885	P -56 8716
86		6.8T	14 13.701	0.0013	16	-54 21 6.49	0.004	12	0.70	13.643	21	03.9	6.70	19	99.6	K2		GC	24940	P -54 6806
87	10.0	9.5W	14 17.420	-0.0156	15	-53 13 25.11	-0.090	15	0.24	17.598	15	38.6	24.08	18	38.6	G0		C9	7238	P -53 9048
88	9.8E	9.0Z	14 31.827	0.0004	12	-50 30 44.91	-0.054	12	0.70	31.807	45	04.5	42.46	45	04.5	F8		CZ	17237	P -5010618
89		7.7T	14 32.084	0.0041	14	-52 46 20.22	0.004	12	0.62	31.907	17	07.0	20.42	19	02.4	G0		GC	24948	P -5211061
90	9.0	9.1W	14 40.475	-0.0003	06	-57 59 1.14	-0.005	06	0.14	40.476	14	45.6	1.12	14	45.6	A2		CD	5886	P -58 7369
91	10.3	9.9W	14 42.042	0.0030	15	-53 20 16.35	-0.006	15	0.24	42.008	15	38.6	16.28	18	38.6	G0		C9	7241	P -53 9049
92		7.2T	14 45.830	0.0040	16	-53 45 28.70	-0.027	13	0.76	45.639	22	01.9	27.30	21	97.9	G5		GC	24956	P -53 9050
93	10.0	8.6W	14 54.834	-0.0000	07	-58 46 15.99	0.006	07	0.14	54.834	14	45.6	16.02	14	45.6	K2		CD	5887	P -58 7371
94	10.1	10.1W	15 3.240	-0.0010	09	-59 15 8.17	-0.035	09	0.15	3.244	14	45.6	8.02	14	45.6	F2	O	CD	5888	P -59 7250
95		6.9T	15 5.994	0.0026	12	-51 59 7.53	0.022	12	0.62	5.863	18	00.2	8.64	17	98.6	K0		GC	24965	P -5211064
96	10.0	9.4W	15 6.151	-0.0011	07	-57 54 17.99	0.005	07	0.14	6.156	14	45.6	18.02	14	45.6	G5		CD	5889	P -57 8969
97	9.8	9.9W	15 22.364	-0.0030	15	-53 59 28.42	0.006	15	0.24	22.398	15	38.6	28.48	18	38.6	A0		C9	7244	P -54 8814
98	10.7	9.5W	15 28.057	-0.0024	09	-56 0 32.61	-0.024	09	0.15	28.068	14	45.6	32.51	14	45.6	K2		CD	5890	P -56 8727
99	10.5	9.7W	15 42.967	-0.0002	14	-56 13 12.52	-0.002	14	0.15	42.968	14	45.6	12.51	14	45.6	G5	O	CD	5892	P -56 8731
00	8.7	9.0W	15 49.779	-0.0012	06	-59 19 59.98	0.008	06	0.14	49.784	14	45.6	0.02	14	45.6	A2		CD	5893	P -59 7255

245400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-50° 18H DM NUMBER
1	9.6	8.1W	18 15 51.110	-0.0016	06	-54 42 37.68	-0.017	06	0.18	51.128	15	38.6	37.49	18	38.6	K2		C9	7246	P -54 8820
2	10.2	9.9W	16 3.927	-0.0027	09	-54 37 18.63	-0.020	09	0.20	3.958	15	38.6	18.39	18	38.6	G5		C9	7248	P -54 8823
3		6.8T	16 7.909	-0.0032	13	-56 14 15.13	-0.004	12	0.63	7.754	21	03.7	14.92	19	01.0	K0		GC	24984	P -56 8735
4	9.9	8.9W	16 13.346	-0.0002	07	-56 47 1.08	-0.015	07	0.14	13.347	14	45.6	1.01	14	45.6	K0		C0	5895	P -56 8736
5		7.2T	16 13.486	0.0030	14	-59 51 44.12	-0.003	11	0.59	13.350	18	07.8	43.98	17	04.4	G8		GC	24987	P -59 7256
6	9.7	8.6W	16 16.245	-0.0003	07	-53 4 35.17	-0.034	07	0.18	16.248	15	38.6	34.78	18	38.6	K0		C9	7249	P -53 9061
7	9.6	8.7W	16 21.506	-0.0028	15	-54 3 58.12	0.006	15	0.24	21.538	15	38.6	58.18	18	38.6	G5		C9	7252	P -54 8828
8	9.0	8.5W	16 23.140	-0.0016	08	-53 45 9.32	-0.012	08	0.19	23.158	15	38.6	9.18	18	38.6	G0		C9	7253	P -53 9063
9	9.6	8.6W	16 28.263	0.0022	07	-54 25 51.11	-0.028	07	0.18	28.238	15	38.6	50.78	18	38.6	K0		C9	7254	P -54 8830
10	9.4	9.5W	16 31.037	-0.0036	15	-52 32 37.20	-0.011	15	0.24	31.078	15	38.6	37.07	18	38.6	A0		C9	7255	P -5211067
11		7.7T	16 31.565	-0.0012	16	-56 57 19.62	0.011	13	0.70	31.623	21	04.9	20.14	19	01.8	B9		GC	24991	P -56 8740
12	10.3	9.4W	16 39.003	-0.0032	13	-56 38 53.08	-0.014	13	0.15	39.017	14	45.6	53.02	14	45.6	K0		C0	5898	P -56 8742
13	10.4	9.9W	16 43.523	-0.0035	14	-56 9 46.54	-0.122	14	0.15	43.538	14	45.6	46.01	14	45.6	G5	O	C0	5899	P -56 8743
14	10.1	9.9W	17 4.557	-0.0018	15	-53 19 34.79	-0.010	15	0.24	4.578	15	38.6	34.68	18	38.6	A3		C9	7257	P -53 9069
15	9.1	9.0W	17 7.808	-0.0027	07	-52 13 12.34	-0.032	07	0.18	7.839	15	38.6	11.98	18	38.6	A3		C9	7258	P -5211072
16	9.5E	9.0Z	17 9.800	0.0013	12	-51 8 24.92	-0.017	12	0.82	9.738	63	03.7	24.14	57	03.7	A5		CZ	17279	P -5110817
17	10.0	9.8W	17 15.035	0.0071	11	-58 54 12.04	-0.005	11	0.15	15.004	14	45.6	12.02	14	45.6	G5		C0	5902	P -58 7374
18		8.3T	17 21.110	0.0027	17	-57 0 27.02	0.032	12	0.67	20.985	19	07.8	28.49	18	03.9	A2		GC	25012	P -57 8991
19	9.8	8.9W	17 31.163	-0.0004	15	-54 12 46.77	-0.007	15	0.24	31.168	15	38.6	46.68	18	38.6	K0		C9·	7259	P -54 8835
20	9.1	8.4W	17 33.132	0.0018	07	-58 51 33.33	-0.027	07	0.14	33.124	14	45.6	33.22	14	45.6	G5		C0	5905	P -58 7376
21	10.6	9.0W	17 35.693	0.0009	09	-55 27 25.88	-0.034	09	0.20	35.683	15	38.6	25.49	18	38.6	K2	O	C9	7260	P -55 8626
22	10.1E	9.3*	17 36.710	-0.0004	12	-51 16 22.56	-0.024	12	0.66	36.689	31	01.6	21.40	31	01.6	A2		CZ	17287	P -5110821
23	9.4	8.4W	17 38.574	-0.0003	07	-53 32 31.60	-0.045	07	0.18	38.578	15	38.6	31.08	18	38.6	K0		C9	7261	P -53 9075
24	9.0	8.8W	17 40.209	-0.0025	08	-53 45 32.93	0.005	08	0.19	40.238	15	38.6	32.98	18	38.6	F5		C9	7262	P -53 9076
25	9.6	9.6W	17 48.476	0.0031	07	-59 35 11.29	-0.017	07	0.14	48.463	14	45.6	11.22	14	45.6	A0		C0	5906	P -59 7258
26		8.1T	17 58.487	0.0098	13	-55 35 17.27	0.026	11	0.64	57.978	21	01.8	18.61	19	97.9	G0		GC	25026	P -55 8629
27		8.6T	17 58.715	0.0102	13	-55 35 49.49	0.010	11	0.63	58.186	21	01.9	50.00	19	98.0			GC	25027K	P -55 8630
28	9.4	9.3W	18 2.414	-0.0007	07	-57 22 25.33	-0.003	07	0.14	2.417	14	45.6	25.32	14	45.6	F5		C0	5907	P -57 8995
29	8.5E	8.5Z	18 4.611	0.0021	12	-51 27 4.11	-0.020	12	0.82	4.512	63	03.7	3.19	57	03.7	F0		CZ	17294	P -5110825
30	9.8	9.1W	18 7.107	0.0002	07	-57 31 6.98	-0.014	07	0.14	7.106	14	45.6	6.92	14	45.6	G5		C0	5908	P -57 8998
31	10.1	9.9W	18 31.300	-0.0025	13	-53 45 38.30	-0.010	13	0.22	31.328	15	38.6	38.18	18	38.6	A3		C9	7267	P -53 9082
32	10.1	9.8W	18 53.378	0.0025	07	-51 56 42.40	-0.072	07	0.18	53.349	15	38.6	41.58	18	38.6	F8		C9	7269	P -5110831
33	10.3E	8.0Z	18 56.902	0.0005	12	-50 54 22.40	-0.010	12	0.64	56.877	31	02.8	21.93	28	02.8	K5		CZ	17305	P -5010642
34	9.0	9.4W	18 59.835	-0.0004	07	-56 39 15.28	0.008	07	0.14	59.837	14	45.6	15.32	14	45.6	B		C0	5911	P -56 8755
35	10.1	9.3W	19 9.443	0.0062	15	-55 55 12.57	-0.051	15	0.24	9.372	15	38.6	11.99	18	38.6	K0		C9	7271	P -55 8637
36	9.6	9.8W	19 12.645	-0.0064	15	-53 8 28.13	-0.004	15	0.24	12.718	15	38.6	28.08	18	38.6	A0		C9	7272	P -53 9086
37	9.4	8.4W	19 14.296	-0.0019	07	-53 27 9.11	-0.055	07	0.18	14.318	15	38.6	8.48	18	38.6	G5		C9	7273	P -53 9087
38	8.9	8.5W	19 31.470	0.0019	07	-54 50 33.70	-0.124	07	0.18	31.448	15	38.6	32.29	18	38.6	G0		C9	7274	P -54 8850
39	10.0E	9.7Z	19 50.006	0.0007	12	-51 46 19.76	-0.019	12	0.82	49.975	63	03.7	18.87	57	03.7	A2		CZ	17318	P -5110834
40	10.0	8.5W	19 52.193	0.0019	09	-58 32 47.57	-0.012	09	0.15	52.184	14	45.6	47.52	14	45.6	K5		C0	5913	P -58 7382
41		7.6T	19 56.069	0.0010	14	-59 38 35.27	-0.020	10	0.61	56.021	19	05.8	34.27	18	00.4	B9		GC	25079	P -59 7260
42	10.2	9.6W	20 5.637	-0.0115	13	-54 35 11.51	-0.002	13	0.22	5.768	15	38.6	11.49	18	38.6	G5		C9	7276	P*-54 8857
43	9.5	9.0W	20 6.169	-0.0135	07	-55 4 46.56	-0.225	07	0.18	6.323	15	38.6	43.99	18	38.6	G5		C9	7277	P -55 8647
44	10.2	8.6W	20 16.647	-0.0022	07	-55 37 5.64	0.022	07	0.18	16.672	15	38.6	5.89	18	38.6	K2		C9	7278	P -55 8652
45	7.7	7.8W	20 29.670	-0.0008	08	-51 51 19.48	-0.009	08	0.19	29.679	15	38.6	19.37	18	38.6	A5		C9	7279	P -5110840
46		7.5T	20 30.172	-0.0002	15	-54 59 4.18	-0.013	11	0.63	30.180	22	06.1	3.56	21	01.8	K2		GC	25091	P -55 8658
47	8.8	7.6W	20 36.033	0.0012	07	-52 8 6.72	-0.004	07	0.18	36.019	15	38.6	6.67	18	38.6	K0		C9	7281	P -5211087
48	9.0	8.9W	20 38.119	0.0022	07	-55 7 18.28	-0.069	07	0.18	38.093	15	38.6	17.49	18	38.6	F5		C9	7282	P -55 8660
49	8.9	9.0W	20 45.755	-0.0005	07	-57 23 6.64	-0.005	07	0.14	45.757	14	45.6	6.62	14	45.6	A2		C0	5915	P -57 9019
50	10.0E	9.6Z	20 46.956	-0.0001	12	-51 6 49.93	-0.030	12	0.82	46.959	63	03.7	48.55	57	03.7	A2		CZ	17335	P -5110844
51	9.7	8.9W	18 20 49.585	-0.0055	15	-53 54 12.40	-0.063	15	0.24	49.648	15	38.6	11.68	18	38.6	K0		C9	7284	P -53 9101
52		7.0T	21 0.134	0.0047	10	-57 7 24.65	-0.021	07	0.47	-59.876	18	01.4	23.48	15	95.0	F5		GC	25103	P -57 9022
53	9.3	9.2W	21 5.643	-0.0022	15	-54 40 1.03	-0.003	15	0.24	5.668	15	38.6	0.99	18	38.6	F0		C9	7287	P -54 8867
54	9.7E	9.6*	21 6.888	0.0011	12	-51 41 44.88	-0.010	12	0.66	6.836	31	01.6	44.38	31	01.6	A3		CZ	17342	P -5110847
55	10.0	10.0W	21 14.412	0.0012	14	-56 42 28.13	-0.004	14	0.15	14.407	14	45.6	28.12	14	45.6	A0		C0	5918	P -56 8779
56	9.9	8.8W	21 14.946	-0.0002	15	-54 4 1.51	-0.002	15	0.24	14.948	15	38.6	1.48	18	38.6	K2		C9	7288	P -54 8871
57	10.0	9.7W	21 16.213	0.0042	09	-58 46 21.01	-0.021	09	0.15	16.194	14	45.6	20.92	14	45.6	F5	O	C0	5919	P -58 7383
58	10.1	9.1W	21 20.828	-0.0000	07	-56 12 1.96	-0.058	07	0.14	20.828	14	45.6	1.71	14	45.6	K2		C0	5920	P -56 8782
59	9.9E	9.6Z	21 30.707	0.0014	12	-50 38 7.94	-0.027	12	0.70	30.642	45	04.5	6.72	45	04.5	A2		CZ	17352	P -5010661
60	8.6E	8.0Z	21 44.377	0.0020	12	-50 35 59.81	-0.019	12	0.62	44.282	28	03.4	58.93	26	03.4	A2		CZ	17355	P -5010663
61		7.2T	21 44.920	-0.0011	15	-53 40 15.63	0.011	11	0.67	44.973	18	02.9	16.21	19	98.2	F0		GC	25119K	P*-53 9112
62	9.0	9.2W	21 48.098	-0.0000	07	-53 52 1.76	-0.024	07	0.18	48.098	15	38.6	1.48	18	38.6	B9		C9	7293	P -53 9113
63	9.1E	9.5Z	21 53.873	0.0006	12	-51 6 21.26	-0.019	12	0.82	53.843	63	03.7	20.39	57	03.7	A2		CZ	17357	P -5110850
64		7.7T	22 0.075	0.0018	17	-51 25 3.39	-0.008	13	0.77	-59.992	24	03.4	2.98	21	99.0	B9		GC	25125	C -5111555
65	10.4E	9.7*	22 3.354	0.0010	12	-50 0 27.96	-0.027	12	0.62	3.307	28	03.4	26.70	26	03.4	A0		CZ	17362	P -5010668
66	8.3E	8.2Z	22 12.887	0.0013	12	-50 54 30.80	0.015	12	0.65	12.827	36	04.8	31.48	36	04.8	G5		CZ	17365	P -5010669
67	9.1E	9.0Z	22 32.806	0.0054	12	-50 53 21.97	-0.029	12	0.70	32.559	45	04.5	20.65	45	04.5	G0		CZ	17370	P -5010673
68	9.6E	9.9Z	22 42.252	-0.0002	12	-51 16 30.44	-0.027	12	0.82	42.259	63	03.7	29.19	57	03.7	F5		CZ	17372	P -5110855
69	10.0	9.6W	22 44.421	0.0003	07	-54 55 39.44	-0.005	07	0.18	44.418	15	38.6	39.49	18	38.6	G0		C9	7296	P -54 8882
70	8.9	8.8W	22 45.408	0.0009	07	-53 39 40.67	-0.042	07	0.18	45.398	15	38.6	40.18	18	38.6	F0		C9	7297	P -53 9123
71	9.1E	8.4Z	22 55.117	0.0027	12	-51 34 47.22	0.013	12	0.82	54.994	63	03.7	47.81	57	03.7	K2		CZ	17374	P -5110858
72	9.2E	9.1Z	22 57.535	0.0011	12	-50 21 16.83	-0.025	12	0.70	57.485	45	04.5	15.70	45	04.5	A2		CZ	17377	P -5010676
73	8.7E	9.0Z	22 57.933	0.0013	12	-50 57 59.32	-0.020	12	0.70	57.872	45	04.5	58.42	45	04.5	A0		CZ	17376	P -5110860
74		7.3Q	23 1.985	0.0019	10	-53 8 27.16	0.014	12	0.54	1.900	18	05.6	27.84	19	02.1	K0		GC	25149	P -53 9129
75	8.0	7.8W	23 5.436	0.0018	05	-55 59 3.46	-0.034	05	0.14	5.428	14	45.6	3.31	14	45.6	G0		C0	5923	P -56 8791
76	8.8E	9.0Z	23 8.710	0.0009	12	-50 30 35.76	-0.017	12	0.70	8.672	45	04.5	34.99	45	04.5	A0		CZ	17381	P -5010678
77	9.0	9.3W	23 10.874	-0.0008	07	-57 3 35.86	-0.010	07	0.14	10.877	14	45.6	35.82	14	45.6	A0		C0	5924	P -57 9041
78	8.7E	8.5Z	23 11.369	0.0010	12	-50 32 19.34	-0.045	12	0.70	11.322	45	04.5	17.30	45	04.5	G0		CZ	17384	P -5010679
79	10.5	10.1W	23 11.847	0.0025	15	-54 40 44.87	-0.015	15	0.24	11.818	15	38.6	44.69	18	38.6	F8		C9	7303	P -54 8886
80	8.0E	8.2Z	23 13.624	0.0030	12	-50 40 55.57	-0.007	12	0.70	13.486	45	04.5	55.26	45	04.5	A2		CZ	17386	P -5010680
81	8.4	8.1W	23 13.699	0.0149	08	-51 54 47.93	-0.101	08	0.19	13.529	15	38.6	46.78	18	38.6	G0		C9	7304	P -5110861
82		7.2T	23 14.404	0.0079	16	-53 39 50.07	-0.032	12	0.71	14.040	18	03.7	48.49	19	00.5	G5		GC	25152	P*-53 9131
83	10.1	9.8W	23 25.850	0.0006	07	-56 35 26.13	-0.027	07	0.14	25.847	14	45.6	26.02	14	45.6	F2	O	C0	5925	P -56 8792
84	9.5	9.1W	23 26.890	-0.0016	08	-53 18 28.29	-0.027	08	0.19	26.908	15	38.6	27.98	18	38.6	G0		C9	7306	P -53 9134
85	10.0	9.6W	23 27.467	0.0001	09	-57 35 49.26	-0.033	09	0.15	27.466	14	45.6	49.11	14	45.6	F8	O	C0	5926	P -57 9044
86	10.5	9.2W	23 32.469	-0.0008	09	-54 21 45.61	-0.046	09	0.20	32.478	15	38.6	45.08	18	38.6	K2		C9	7307	P -54 8887
87	9.0	8.0W	23 32.939	-0.0008	08	-54 3 50.24	-0.049	08	0.19	32.948	15	38.6	49.68	18	38.6	K0		C9	7308	P -54 8888
88	10.0	10.0W	23 42.857	0.0034	15	-53 1 59.35	-0.067	15	0.24	42.818	15	38.6	58.58	18	38.6	A3		C9	7309	P -53 9136
89	9.8	9.5W	23 44.825	0.0015	15	-52 54 15.00	-0.028	15	0.24	44.808	15	38.6	14.67	18	38.6	F5		C9	7310	P -5211112
90	9.8	9.4W	23 48.432	0.0044	06	-59 34 5.14	-0.096	06	0.14	48.413	14	45.6	4.72	14	45.6	G2	O	C0	5927	P -59 7265
91	9.3E	9.5Z	23 50.218	-0.0007	12	-51 14 34.92	-0.021	12	0.82	50.248	63	03.7	33.95	57	03.7	A0		CZ	17394	P -5110867
92	8.9E	8.4Z	23 50.727	0.0028	12	-50 1 50.50	0.009	12	0.70	50.600	45	04.5	50.91	45	04.5	F8		CZ	17396	P -5010687
93	9.3	9.2W	23 58.482	-0.0010	07	-58 18 49.01	-0.021	07	0.14	58.486	14	45.6	48.92	14	45.6	A5		C0	5929	P -58 7386
94	10.2E	9.6*	24 3.433	-0.0003	12	-50 55 56.33	-0.012	12	0.64	3.445	31	02.8	55.77	28	02.8	A5		CZ	17397	P -5010688
95	10.0	9.1W	24 4.188	-0.0018	15	-52 7 48.44	-0.014	15	0.24	4.209	15	38.6	48.28	18	38.6	K0		C9	7311	P -5211114
96	9.8	8.8W	24 4.523	-0.0004	07	-52 46 49.37	-0.061	07	0.18	4.528	15	38.6	48.68	18	38.6	G5		C9	7312	P -5211113
97	9.8	9.7W	24 10.598	-0.0005	07	-55 18 28.11	0.007	07	0.18	10.603	15	38.6	28.19	18	38.6	F0		C9	7314	P*-55 8686
98		7.3T	24 11.543	0.0031	17	-52 31 54.28	-0.049	13	0.75	11.400	22	04.1	51.84	19	00.0	A2		GC	25167	P -5211115
99	9.1E	8.5Z	24 20.470	0.0009	12	-51 14 4.71	-0.014	12	0.82	20.427	63	03.7	4.06	57	03.7	K0		CZ	17398	P -5110871
00	10.4	9.9W	24 29.588	0.0048	12	-57 5 44.08	-0.038	12	0.15	29.567	14	45.6	43.92	14	45.6	G5	O	C0	5930	P -57 9053

245500 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -50° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	8.9	8.9W	18 24 36.068	0.0047	06	-57 10 24.96	-0.033	06	0.14	36.047	14	45.6	24.82	14	45.6	F8		CD	5931	P -57 9054
2	8.8	7.6W	24 36.190	0.0002	07	-53 52 56.93	0.005	07	0.18	36.188	15	38.6	56.98	18	38.6	K2		C9	7316	P -53 9146
3	10.2	10.0W	24 41.306	0.0023	10	-58 5 13.58	-0.014	10	0.15	41.296	14	45.6	13.52	14	45.6	F8	O	CD	5932	P -58 7390
4	9.3	9.1W	24 41.723	0.0022	06	-54 43 29.06	0.029	06	0.18	41.698	15	38.6	29.39	18	38.6	F8		C9	7317	P -54 8095
5	9.5	8.7W	24 47.421	0.0011	06	-58 29 39.96	0.013	06	0.14	47.416	14	45.6	40.02	14	45.6	K0		CD	5934	P -58 7391
6	10.2	9.6W	25 5.225	-0.0055	15	-54 57 54.21	-0.204	15	0.24	5.288	15	38.6	51.89	18	38.6	G5		C9	7321	P -55 8692
7	10.3	9.2W	25 10.385	0.0015	13	-54 29 56.55	-0.014	13	0.22	10.368	15	38.6	56.38	18	38.6	K0		C9	7322	P -54 8097
8	10.2	9.7W	25 10.721	-0.0002	15	-55 3 29.40	0.026	15	0.24	10.723	15	38.6	29.69	18	38.6	G0		C9	7323	P -55 8693
9	9.1	8.9W	25 21.331	0.0078	06	-57 33 15.18	-0.014	06	0.14	21.296	14	45.6	15.12	14	45.6	F8		CD	5935	P -57 9061
10		5.8T	25 38.299	0.0057	08	-57 33 23.53	-0.032	07	0.32	38.057	12	12.0	22.19	12	07.7	K0		GC	25202K	P -57 9063
11	10.3	10.0W	25 44.507	-0.0038	07	-58 35 22.73	-0.003	07	0.14	44.524	14	45.6	22.72	14	45.6	G0	O	CD	5940	P# -58 7396
12	10.3		25 45.479	0.0014	14	-59 46 36.38	-0.016	14	0.15	45.473	14	45.7	36.32	14	45.7	A0	O	CD	5581	P -59 7275
13	10.1	9.3W	25 48.041	-0.0006	07	-53 31 16.40	-0.027	07	0.18	48.048	15	38.6	16.08	18	38.6	G5		C9	7326	P -53 9160
14	9.1	9.2W	25 53.785	-0.0021	07	-52 6 7.69	-0.019	07	0.18	53.808	15	38.6	7.47	18	38.6	A2		C9	7327	P -5211127
15	9.4	7.7W	26 4.790	0.0013	06	-59 19 33.81	-0.022	06	0.14	4.784	14	45.6	33.71	14	45.6	K5		CD	5942	P -59 7277
16	9.5	8.7W	26 32.033	-0.0025	07	-58 37 29.92	-0.046	07	0.14	32.044	14	45.6	29.72	14	45.6	G5		CD	5943	P -58 7404
17	9.9E	9.3Z	26 44.597	-0.0015	12	-50 28 46.71	-0.022	12	0.70	44.664	45	04.5	45.72	45	04.5	G5		CZ	17437	P -5010711
18	10.0	9.4W	26 49.056	0.0030	15	-59 35 1.45	-0.032	15	0.24	49.022	15	38.6	1.09	18	38.6	G5		C9	7332	P -55 8704
19	10.1	8.7W	26 51.979	0.0036	06	-59 57 13.79	0.006	06	0.14	51.963	14	45.7	13.82	14	45.7	K2		CD	5589	P -59 7281
20	8.2	8.0W	26 55.258	-0.0070	06	-54 40 50.55	-0.041	06	0.18	55.338	15	38.6	50.09	18	38.6	F5		C9	7333	P -54 8911
21	8.8E	7.5Z	26 59.481	-0.0015	12	-51 33 8.63	-0.040	12	0.66	59.555	31	01.5	6.68	31	01.5	K5		CZ	17440	P -5110894
22	8.4E	8.0Z	27 2.057	0.0008	12	-51 21 18.33	-0.021	12	0.82	2.016	63	03.7	17.36	57	03.7	A2		CZ	17441	P -5110895
23	8.4	7.6W	27 5.281	-0.0024	07	-53 33 45.96	-0.042	07	0.18	5.308	15	38.6	45.48	18	38.6	K0		C9	7335	P -53 9171
24	8.1	8.3W	27 14.156	-0.0029	07	-52 29 46.18	-0.053	07	0.18	14.188	15	38.6	45.57	18	38.6	A0		C9	7336	P -5211138
25	9.3	9.2W	27 16.920	0.0007	07	-56 30 47.45	-0.031	07	0.14	16.917	14	45.6	47.32	14	45.6	A2		CD	5945	P -56 8825
26		7.5T	27 17.348	0.0014	16	-57 1 8.51	0.012	12	0.65	17.284	18	07.6	9.05	18	04.2	A0		GC	25241	P -57 9074
27		7.8T	27 29.558	-0.0048	14	-59 35 53.68	-0.003	11	0.61	29.787	19	06.3	53.53	18	02.5	F5		GC	25248	P -59 7285
28	9.5	9.3W	27 30.387	-0.0001	07	-56 34 55.17	-0.013	07	0.14	30.387	14	45.6	55.12	14	45.6	F8		CD	5948	P -56 8827
29	9.7	8.4W	27 36.080	0.0009	07	-58 10 0.50	0.027	07	0.14	36.076	14	45.6	0.62	14	45.6	K5		CD	5949	P -58 7411
30	10.1	9.2W	27 36.241	-0.0015	07	-54 12 52.59	-0.009	07	0.18	36.258	15	38.6	52.48	18	38.6	K0		C9	7337	P -54 8914
31		7.3T	27 36.882	0.0004	15	-50 13 15.91	-0.068	13	0.73	36.860	19	01.1	12.40	18	98.5	F0		GC	25258	C -5011980
32	10.2	9.8W	27 41.802	-0.0006	09	-59 29 52.86	-0.102	09	0.15	41.804	14	45.6	52.42	14	45.6	F9	O	CD	5950	P -59 7287
33	9.9	8.3W	28 0.229	0.0026	07	-56 52 31.39	-0.062	07	0.14	0.217	14	45.6	31.11	14	45.6	K5		CD	5951	P -56 8828
34	10.2		28 3.655	0.0020	09	-58 21 44.76	0.012	09	0.15	3.646	14	45.6	44.82	14	45.6	A0	O	CD	5952	P -58 7412
35	10.1	9.6W	28 8.716	-0.0049	13	-56 21 58.15	-0.100	13	0.15	8.738	14	45.6	57.71	14	45.6	G0		CD	5953	P -56 8830
36		7.6T	28 12.108	0.0004	14	-51 9 39.34	-0.024	12	0.65	12.091	15	04.9	38.16	18	01.0	A0		GC	25270	C -5111627
37	8.7	8.9W	28 12.851	0.0033	07	-57 31 23.54	-0.005	07	0.14	12.836	14	45.6	23.52	14	45.6	A0		CD	5954	P -57 9084
38	10.0	9.0W	28 19.059	-0.0009	07	-52 29 50.47	-0.026	07	0.18	19.069	15	38.6	50.18	18	38.6	K0		C9	7339	P -5211145
39	9.6	9.5W	28 22.092	0.0014	07	-58 4 24.06	-0.010	07	0.14	22.086	14	45.6	24.02	14	45.6	F2	O	CD	5955	P -58 7413
40	9.7	9.3W	28 36.084	-0.0030	07	-54 34 52.30	-0.080	07	0.18	36.118	15	38.6	51.39	18	38.6	G0		C9	7340	P -54 8920
41	10.2	9.0W	28 41.462	0.0020	12	-59 38 15.26	-0.034	12	0.15	41.453	14	45.6	15.12	14	45.6	G8	O	CD	5956	P -59 7291
42	9.8	8.3W	28 47.301	0.0032	06	-56 41 0.21	-0.022	06	0.14	47.287	14	45.6	0.12	14	45.6	K2		CD	5957	P -56 8833
43	10.2	9.3W	28 51.482	-0.0014	09	-52 46 40.91	-0.090	09	0.20	51.498	15	38.6	39.88	18	38.6	K2		C9	7343	P -5211148
44	9.4	9.6W	28 57.958	-0.0026	15	-53 47 3.64	-0.005	15	0.24	57.988	15	38.6	3.58	18	38.6	A0		C9	7344	P -53 9185
45	9.5	8.5W	28 59.886	-0.0151	07	-54 17 55.75	-0.146	07	0.18	+ 0.058	15	38.6	54.08	18	38.6	K5		C9	7345	P -54 8922
46	9.7E	9.5Z	29 2.664	-0.0014	12	-50 55 0.73	0.003	12	0.64	2.728	31	02.8	0.87	28	02.8	F0		CZ	17469	P -5010725
47		6.5T	29 6.554	0.0041	08	-58 44 43.36	-0.122	07	0.41	6.338	18	01.1	36.91	15	97.1	G0		GC	25294	P -58 7418
48	10.1	9.9W	29 13.076	-0.0003	13	-52 3 37.97	0.027	13	0.22	13.079	15	38.6	38.28	18	38.6	F5		C9	7346	P -5211149
49	9.1E	9.1Z	29 16.937	0.0002	12	-51 36 36.33	-0.030	12	0.82	16.929	63	03.7	34.92	57	03.7	F2		CZ	17472	P -5110911
50	9.9	9.9W	29 36.470	0.0010	07	-51 51 1.53	-0.031	07	0.18	36.459	15	38.6	1.18	18	38.6	A3		C9	7348	P -5110914
51	8.4E	8.0Z	18 29 39.873	0.0010	12	-50 14 57.40	-0.012	12	0.64	39.825	31	02.8	56.83	28	02.8	K0		CZ	17478	P -5010734
52	10.5	9.1W	29 55.960	0.0032	06	-58 1 57.17	-0.012	06	0.14	55.946	14	45.6	57.12	14	45.6	K2		CD	5959	P -58 7423
53	9.2E	9.5Z	30 4.178	-0.0003	12	-50 45 24.64	-0.012	12	0.70	4.192	45	04.5	24.10	45	04.5	A3		CZ	17480D	P# -5010739
54	9.5	9.8W	30 5.663	-0.0006	13	-58 22 11.81	-0.005	13	0.15	5.666	14	45.6	11.79	14	45.6	A0		CD	5960	P -58 7426
55	8.6E	9.0Z	30 7.795	-0.0007	12	-51 10 3.07	-0.030	12	0.82	7.828	63	03.7	1.69	57	03.7	A2		CZ	17482	P -5110917
56		6.9T	30 20.086	-0.0013	17	-54 7 37.18	-0.042	11	0.75	20.150	22	01.3	34.88	21	95.6	F5		GC	25322	P -54 8937
57	9.9E	9.0Z	30 25.103	0.0009	12	-50 52 19.09	0.000	12	0.70	25.062	45	04.5	19.10	45	04.5	K0		CZ	17488	P -5010741
58	9.7	9.5W	30 25.160	0.0031	06	-58 5 25.03	-0.032	06	0.14	25.146	14	45.6	24.89	14	45.6	F6	O	CD	5962	P -58 7428
59		6.3T	30 29.985	-0.0009	08	-52 55 49.99	-0.061	07	0.48	30.031	18	97.0	46.93	18	90.3	K0		GC	25324	P -5211158
60	10.5	9.6W	30 33.147	0.0024	09	-58 5 10.64	0.013	09	0.15	33.136	14	45.6	10.69	14	45.6	G8	O	CD	5963	P -58 7430
61		6.8T	30 47.156	-0.0024	15	-50 45 42.17	-0.024	13	0.73	47.272	22	01.9	40.96	21	98.4	K0		GC	25332	C# -5012016
62		6.9T	30 53.642	0.0007	14	-52 25 35.53	-0.073	11	0.63	53.609	21	04.4	31.83	19	99.3	K0		GC	25338	P -5211161
63	9.7	8.8W	30 55.516	0.0013	07	-52 15 32.07	-0.034	07	0.18	55.501	15	38.6	31.68	18	38.6	G5		C9	7356	P -5211162
64		7.5T	30 58.955	0.0001	16	-55 37 21.90	-0.019	12	0.69	58.953	21	05.2	20.98	19	01.0	K5		GC	25341	P -55 8734
65	10.4	9.8W	30 59.293	0.0002	15	-54 36 54.03	-0.020	15	0.24	59.291	15	38.6	53.79	18	38.6	G5		C9	7358	P -54 8946
66	9.7	8.9W	31 0.078	-0.0055	07	-52 4 24.27	-0.043	07	0.18	0.141	15	38.6	23.78	18	38.6	K0		C9	7359	P -5211163
67	10.3	9.3W	31 5.307	0.0038	15	-55 11 10.16	0.001	15	0.24	5.263	15	38.6	10.17	18	38.6	K0		C9	7360	P -55 8738
68	10.1	9.9W	31 7.574	0.0071	13	-55 15 46.68	-0.051	13	0.22	7.493	15	38.6	47.27	18	38.6	F5		C9	7361	P -55 8739
69	9.6	9.9W	31 12.441	-0.0018	15	-52 14 13.94	-0.014	15	0.24	12.461	15	38.6	13.78	18	38.6	A0		C9	7362	P -5211164
70	8.7E	9.0W	31 18.447	0.0014	12	-51 22 20.19	-0.041	12	0.66	18.380	31	01.5	18.21	31	01.5	A5		CZ	17501	P -5110928
71	8.7	8.7W	31 24.418	0.0034	06	-59 34 20.24	0.012	06	0.14	24.403	14	45.6	20.29	14	45.6	A2		CD	5967	P -59 7305
72	9.9	9.5W	31 31.872	-0.0034	15	-54 50 4.79	0.001	15	0.24	31.911	15	38.6	4.79	18	38.6	F8		C9	7363	P -54 8952
73	9.2	9.1W	31 37.824	0.0022	06	-58 36 0.22	0.016	06	0.14	37.814	14	45.6	0.29	14	45.6	A5		CD	5968	P -58 7435
74	9.4	9.1W	31 52.046	0.0022	15	-54 21 52.47	-0.025	15	0.24	52.021	15	38.6	52.18	18	38.6	F5		C9	7364	P -54 8955
75	8.2	8.3W	31 56.130	-0.0018	07	-53 32 51.50	-0.045	07	0.18	56.151	15	38.6	50.98	18	38.6	A0		C9	7365	P -53 9211
76	8.7	8.6W	32 3.984	0.0023	06	-59 22 18.02	-0.029	06	0.14	3.974	14	45.6	17.89	14	45.6	A5		CD	5970	P -59 7310
77	10.0	8.9W	32 16.466	0.0018	14	-56 2 46.04	-0.036	14	0.15	16.458	14	45.6	45.88	14	45.6	K2		CD	5972	P -56 8863
78	9.3	9.4W	32 18.481	-0.0015	07	-57 10 17.89	-0.023	07	0.14	18.487	14	45.6	17.79	14	45.6	A5		CD	5973	P -57 9111
79	10.0	9.1W	32 19.751	-0.0009	09	-52 55 29.95	-0.041	09	0.20	19.761	15	38.6	29.48	18	38.6	K0		C9	7367	P -5211169
80	8.6	8.8W	32 21.774	-0.0008	07	-56 21 0.91	-0.029	07	0.14	21.778	14	45.6	0.78	14	45.6	A0		CD	5974	P -56 8865
81	10.5	10.3W	32 22.586	0.0021	13	-55 40 50.25	-0.016	13	0.22	22.562	15	38.6	50.07	18	38.6	A2		C9	7368	P -55 8747
82	9.2	8.9W	32 23.796	0.0004	07	-53 36 17.24	-0.031	07	0.18	23.791	15	38.6	16.88	18	38.6	G0		C9	7369	P -53 9213
83	10.5	10.1W	32 28.731	0.0060	11	-59 13 30.51	-0.005	11	0.15	28.704	14	45.6	30.49	14	45.6	F3	O	CD	5976	P -59 7314
84		6.8T	32 28.881	-0.0003	13	-56 16 3.07	-0.058	10	0.61	28.899	21	02.9	0.09	18	98.5	K0		GC	25384	P -56 8866
85		7.5T	32 33.091	0.0022	13	-58 37 41.90	0.009	11	0.59	32.987	18	06.2	42.34	18	03.7	K0		GC	25389	P -58 7437
86	9.8	9.8W	32 33.686	-0.0013	15	-53 3 36.92	-0.021	15	0.24	33.701	15	38.6	36.68	18	38.6	A0		C9	7370	P -53 9216
87	9.1	8.6W	32 40.857	0.0005	07	-54 22 16.75	-0.023	07	0.18	40.851	15	38.6	16.48	18	38.6	F2		C9	7371	P -54 8963
88	10.1	9.8W	32 41.589	-0.0028	09	-51 59 24.05	0.029	09	0.20	41.621	15	38.6	24.38	18	38.6	F0		C9	7372	P -5211171
89	9.9	9.8W	32 52.646	-0.0018	07	-59 10 55.59	-0.045	07	0.14	52.654	14	45.6	55.39	14	45.6	F8	O	CD	5981	P -59 7316
90	7.9E	8.5Z	33 12.187	-0.0032	12	-51 40 22.96	-0.007	12	0.66	12.340	31	01.5	22.61	31	01.5	A2		CZ	17513	P -5110941
91	9.8	9.6W	33 20.427	0.0005	07	-51 57 6.27	0.001	07	0.18	20.421	15	38.6	6.28	18	38.6	F2		C9	7373	P -5211179
92	10.1	10.0W	33 33.895	-0.0014	15	-54 11 7.15	-0.006	15	0.24	33.911	15	38.6	7.08	18	38.6	F0		C9	7374	P -54 8969
93	10.4	9.1W	33 36.241	-0.0026	09	-52 0 11.04	-0.023	09	0.20	36.211	15	38.6	10.78	18	38.6	K5		C9	7375	P -5211180
94	8.6E	8.0Z	33 44.663	-0.0024	12	-50 11 20.45	-0.033	12	0.62	44.777	28	03.4	18.92	26	03.4	F5		CZ	17522	P -5010763
95		9.9W	33 45.349	0.0048	13	-55 56 7.06	-0.019	13	0.15	45.328	14	45.6	6.98	14	45.6	F5		CD	5982X	P -55 8763
96	8.8	8.7W	33 46.641	0.0000	07	-53 26 55.61	-0.047	07	0.18	46.641	15	38.6	55.07	18	38.6	A3		C9	7377	P -53 9229
97	9.7	9.3W	34 9.159	0.0026	13	-56 27 46.53	-0.103	13	0.15	9.148	14	45.6	46.08	14	45.6	G0		CD	5983	P -56 8878
98	8.4	8.2W	34 11.491	0.0017	07	-52 40 13.53	-0.101	07	0.18	11.471	15	38.6	12.38	18	38.6	F0		C9	7380	P -5211185
99	9.9	9.4W	34 15.557	0.0093	07	-54 26 31.00	-0.054	07	0.18	15.451	15	38.6	30.38	18	38.6	G0		C9	7381	P -54 8976
00	9.4	9.0W	34 17.428	-0.0065	06	-57 29 27.33	-0.077	06	0.14	17.457	14	45.6	26.99	14	45.6	G0		CD	5984	P -57 9116

245600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER / DM NUMBER
1	8.9E	8.8Z	18 34 17.918	0.0008	12	-50 27 22.73	0.009	12	0.70	17.881	45	04.5	23.15	45	04.5	A0		CZ	17528
2	10.1	9.6W	34 27.342	-0.0002	07	-59 38 4.83	-0.100	07	0.14	27.343	14	45.6	4.39	14	45.6	G0	O	CO	5985
3		7.0T	34 52.805	-0.0035	12	-59 9 55.54	-0.108	09	0.56	52.991	19	02.4	49.91	18	97.7	K0		GC	25448
4	9.5	8.7W	34 56.461	0.0032	07	-57 13 5.77	-0.017	07	0.14	56.447	14	45.6	5.69	14	45.6	K0		CO	5987
5	8.7	7.6W	34 57.926	-0.0013	07	-53 1 48.07	-0.061	07	0.18	57.941	15	38.6	47.38	18	38.6	K0		C9	7382
6	9.9	9.6W	35 3.656	0.0083	15	-54 43 28.85	-0.013	15	0.24	3.561	15	38.6	28.69	18	38.6	F8		C9	7384
7	9.9	9.7W	35 3.837	0.0001	14	-57 26 43.80	-0.025	14	0.15	3.837	14	45.6	43.69	14	45.6	F9		CO	5988
8	10.5	9.3W	35 11.584	0.0011	09	-53 13 27.78	-0.000	09	0.20	11.571	15	38.6	27.78	18	38.6	K0		C9	7385
9	9.8E	8.9H	35 11.859	0.0003	12	-50 5 55.57	-0.010	12	0.70	11.845	45	04.5	55.12	45	04.5	K0		CZ	17541
10	9.9	9.5W	35 22.867	-0.0005	15	-55 21 5.13	-0.023	15	0.24	22.873	15	38.6	4.87	18	38.6	F8		C9	7387
11	9.2	7.5W	35 23.772	0.0017	06	-59 20 49.70	-0.024	06	0.14	23.764	14	45.6	49.59	14	45.6	MA		CO	5990
12		7.0T	35 24.789	-0.0054	13	-58 54 53.13	0.004	10	0.57	25.056	19	04.5	53.35	17	01.1	K0		GC	25473
13	10.1	9.1W	35 26.199	0.0003	07	-56 12 10.05	-0.040	07	0.14	26.198	14	45.6	9.88	14	45.6	K0		CO	5992
14	9.4E	9.1Z	35 35.164	0.0027	12	-50 16 13.37	0.015	12	0.70	35.040	45	04.5	14.06	45	04.5	F0		CZ	17543
15	10.2	9.0W	35 40.012	-0.0017	09	-52 21 41.33	-0.013	09	0.20	40.031	15	38.6	41.18	18	38.6	K2		C9	7389
16	10.5		35 40.417	0.0014	15	-54 43 4.52	0.050	15	0.24	40.401	15	38.6	5.09	18	38.6	A2		C9	7390
17	9.9	9.0W	35 41.753	-0.0007	07	-54 44 44.73	0.006	07	0.18	41.761	15	38.6	44.79	18	38.6	G5		C9	7391
18	10.7	9.4W	35 42.165	-0.0023	09	-52 10 1.07	-0.008	09	0.20	42.191	15	38.6	0.98	18	38.6	K0		C9	7392
19	9.7E	9.3Z	35 44.103	0.0005	12	-51 19 34.02	-0.020	12	0.82	44.082	63	03.7	33.11	57	03.7	F8		CZ	17545
20	9.7E	9.3*	35 46.059	0.0001	12	-50 38 30.78	-0.002	12	0.64	46.056	31	02.8	30.69	28	02.8	A3		CZ	17547
21	9.3	9.1W	35 53.140	-0.0033	15	-55 38 23.49	-0.011	15	0.24	53.102	15	38.6	23.37	18	38.6	F0		C9	7394
22		6.9T	35 58.282	-0.0022	13	-58 49 32.61	-0.001	09	0.54	58.391	18	06.4	32.58	17	01.8	G5		GC	25486
23	9.6	8.2W	36 0.054	0.0025	07	-59 46 20.60	-0.025	07	0.14	0.043	14	45.7	20.49	14	45.7	K2		CO	5641
24	10.0	10.2W	36 7.618	-0.0000	14	-56 20 50.03	-0.035	14	0.15	7.618	14	45.6	49.88	14	45.6	A0		CO	5995
25	7.9E	8.0Z	36 11.384	0.0006	12	-51 41 53.27	-0.018	12	0.66	11.354	31	01.5	52.39	31	01.5	F8		CZ	17553
26		7.4T	36 25.849	-0.0001	16	-52 14 52.02	0.002	12	0.70	25.852	21	03.7	52.13	19	99.2	A2		GC	25500
27	10.5	9.3W	36 27.477	-0.0003	07	-54 48 11.75	0.013	07	0.18	27.481	15	38.6	11.89	18	38.6	K0		C9	7398
28	10.2		36 32.273	0.0020	10	-58 57 50.85	-0.013	10	0.15	32.264	14	45.6	50.79	14	45.6	A0	O	CO	5996
29	10.0	9.9W	36 36.363	-0.0007	07	-54 41 55.52	-0.046	07	0.18	36.371	15	38.6	54.99	18	38.6	F5		C9	7399
30		7.0T	36 39.339	-0.0055	12	-56 8 10.78	-0.025	11	0.56	39.613	18	07.1	9.55	18	00.6	K0		GC	25506
31	9.6	8.6W	36 47.295	0.0012	07	-52 36 21.34	0.012	07	0.18	47.281	15	38.6	21.48	18	38.6	K0		C9	7400
32	7.7E	8.5Z	37 3.598	0.0036	12	-51 13 56.12	0.005	12	0.66	3.425	31	01.5	56.38	31	01.5	B9		CZ	17565
33	9.1	9.4W	37 6.632	-0.0008	07	-53 26 56.14	-0.005	07	0.18	6.641	15	38.6	56.08	18	38.6	B9		C9	7402
34	10.9	9.5W	37 10.505	0.0003	09	-53 7 3.38	-0.018	09	0.20	10.501	15	38.6	3.18	18	38.6	K5		C9	7403
35	10.0	9.7W	37 16.880	-0.0036	11	-57 30 48.17	0.006	11	0.15	16.896	14	45.6	48.19	14	45.6	A5		CO	5999
36	10.0	9.2W	37 25.727	0.0007	07	-59 28 37.68	-0.111	07	0.14	25.724	14	45.6	37.19	14	45.6	G5		CO	6000
37		6.6T	37 27.657	-0.0020	17	-50 31 9.92	-0.032	12	0.76	27.753	19	02.0	8.29	18	98.3	G5		GC	25528
38	10.1	8.5W	37 43.483	0.0035	15	-55 20 58.50	-0.012	15	0.24	43.443	15	38.6	58.37	18	38.6	MA		C9	7406
39		9.8T	37 47.195	0.0058	22	-56 16 1.60	-0.117	15	0.89	46.916	24	06.4	55.93	22	01.5	G5		GC	25537
40	9.0	8.0W	37 51.045	-0.0041	06	-53 11 15.81	-0.047	06	0.18	51.091	15	38.6	15.28	18	38.6	K0		C9	7407
41	9.4E	9.2Z	38 0.055	0.0001	12	-50 28 11.88	-0.006	12	0.70	0.050	45	04.5	11.62	45	04.5	F0		CZ	17583
42	9.5	9.0W	38 20.051	0.0000	07	-53 42 55.39	-0.009	07	0.18	20.051	15	38.6	55.28	18	38.6	G0		C9	7410
43		8.6Q	38 26.491	0.0011	16	-55 56 17.75	-0.023	13	0.72	26.439	21	04.5	16.62	19	00.6	F5		GC	25550K
44	9.1	9.0W	38 33.423	0.0028	07	-54 59 50.08	-0.025	07	0.18	33.391	15	38.6	49.79	18	38.6	A3		C9	7413
45	9.6	8.5W	38 39.157	0.0014	07	-54 1 55.73	-0.030	07	0.18	39.141	15	38.6	55.38	18	38.6	K0		C9	7414
46	10.1	9.5W	38 39.790	-0.0009	06	-59 29 18.32	-0.119	06	0.14	39.794	14	45.6	17.79	14	45.6	G6	O	CO	6004
47	9.3	8.4W	38 42.505	0.0047	07	-54 31 49.03	0.023	07	0.18	42.451	15	38.6	49.29	18	38.6	G5		C9	7415
48	9.8	9.4W	38 52.900	-0.0015	07	-57 32 55.04	0.013	07	0.14	52.906	14	45.6	55.09	14	45.6	G5		CO	6006
49	9.5	9.2W	38 53.975	-0.0007	07	-56 20 45.21	-0.008	07	0.14	53.978	14	45.6	45.18	14	45.6	F0		CO	6007
50	10.3	10.1W	39 1.201	0.0006	14	-56 1 57.71	0.039	14	0.15	1.198	14	45.6	57.88	14	45.6	G0		CO	6008
51	8.7	8.9W	18 39 2.305	-0.0034	08	-55 3 43.93	-0.014	08	0.19	2.343	15	38.6	43.77	18	38.6	A0		C9	7417
52	10.0E	9.1Z	39 2.544	0.0051	12	-51 15 52.50	-0.043	12	0.82	2.310	63	03.7	50.52	57	03.7	G5		CZ	17603
53	10.2	9.9W	39 3.592	0.0010	09	-57 14 21.41	-0.005	09	0.15	3.587	14	45.6	21.39	14	45.6	F8	O	CO	6009
54	8.2	8.3W	39 4.983	0.0019	07	-52 31 4.76	-0.025	07	0.18	4.961	15	38.6	4.48	18	38.6	A2		C9	7418
55	10.1	10.0W	39 13.385	0.0070	11	-58 53 59.55	-0.014	11	0.15	13.354	14	45.6	59.49	14	45.6	A8	O	CO	6010
56		7.5T	39 15.029	0.0010	15	-55 48 58.39	-0.095	11	0.67	14.980	21	03.4	53.57	19	99.2	F5		GC	25573K
57	9.6E	9.1Z	39 26.842	0.0005	12	-50 35 23.49	-0.018	12	0.70	26.821	45	04.5	22.68	45	04.5	K0		CZ	17609
58	9.9	9.5W	39 34.501	0.0000	15	-52 33 28.30	0.007	15	0.24	34.501	15	38.6	28.38	18	38.6	F8		C9	7425
59	9.4	8.8W	39 37.673	-0.0018	08	-55 18 6.65	-0.165	08	0.19	37.693	15	38.6	4.77	18	38.6	G5		C9	7426
60	8.2	8.0W	39 42.569	0.0025	06	-56 25 34.62	-0.056	06	0.14	42.558	14	45.6	34.38	14	45.6	F2		CO	6011
61	8.6	8.5W	39 45.104	0.0029	06	-54 19 57.73	-0.004	06	0.18	45.071	15	38.6	57.68	18	38.6	F0		C9	7427
62		7.9T	39 47.196	-0.0003	13	-59 1 51.52	-0.019	11	0.57	47.212	18	05.6	50.62	17	01.9	K0		GC	25582
63	9.5E	9.1Z	39 48.225	-0.0073	12	-50 12 45.93	-0.169	12	0.65	48.558	36	04.2	38.19	36	04.2	G0		CZ	17613
64	10.1	9.1W	40 7.066	0.0013	07	-54 6 50.49	-0.035	07	0.18	7.051	15	38.6	50.08	18	38.6	K0		C9	7428
65	8.6	8.7W	40 17.401	0.0016	06	-59 17 43.57	-0.017	06	0.14	17.394	14	45.6	43.49	14	45.6	A0		CO	6013
66		7.2T	40 26.965	0.0007	17	-53 51 10.08	-0.019	13	0.75	26.934	22	04.0	9.12	19	99.9	B9		GC	25601
67	9.5	8.6W	40 27.550	-0.0045	15	-52 17 54.51	-0.003	15	0.24	27.601	15	38.6	54.48	18	38.6	G5		C9	7430
68	9.8	9.6W	40 33.386	0.0019	14	-56 9 44.43	0.033	14	0.15	33.378	14	45.6	44.58	14	45.6	A0		CO	6014
69	10.0	10.0W	40 37.243	0.0022	13	-59 42 59.19	-0.000	13	0.15	37.233	14	45.7	59.19	14	45.7	A0	O	CO	5668
70	9.5	9.4W	40 39.799	-0.0028	07	-53 57 12.22	0.014	07	0.18	39.831	15	38.6	12.38	18	38.6	F5		C9	7432
71	10.3	9.7W	40 39.812	0.0009	15	-55 30 4.00	-0.091	15	0.24	39.802	15	38.6	2.97	18	38.6	G0		C9	7431
72	9.2	9.0W	40 44.857	-0.0004	12	-53 56 40.42	-0.029	12	0.22	44.861	15	38.6	40.08	18	38.6	F8		C9	7433
73	9.2E	8.5Z	40 51.540	-0.0013	12	-51 31 38.03	-0.005	12	0.82	51.600	63	03.7	37.79	57	03.7	K0		CZ	17620
74	10.2	9.9W	40 52.226	-0.0013	15	-54 53 11.05	-0.040	15	0.24	52.241	15	38.6	10.59	18	38.6	F5		C9	7434
75	9.2E	9.2Z	40 53.759	-0.0010	12	-51 43 27.02	-0.027	12	0.82	53.806	63	03.7	25.76	57	03.7	F0		CZ	17622
76	10.3	10.0W	40 55.842	-0.0035	13	-56 33 9.30	-0.048	13	0.15	55.857	14	45.6	9.09	14	45.6	F8		CO	6016
77	8.7E	8.5Z	40 57.554	-0.0011	12	-50 32 31.34	0.000	12	0.64	57.607	31	02.8	31.35	28	02.8	F0		CZ	17624
78	9.8	9.5W	40 58.239	0.0026	14	-56 15 14.28	-0.022	14	0.15	58.228	14	45.6	14.18	14	45.6	F0		CO	6017
79	10.0	10.2W	41 5.278	0.0015	15	-52 14 8.95	-0.032	15	0.24	5.261	15	38.6	8.58	18	38.6	A0		C9	7436
80	8.8E	8.0Z	41 6.729	-0.0005	12	-51 24 34.40	-0.019	12	0.66	6.756	31	01.5	33.49	31	01.5	G5		CZ	17626
81		6.3T	41 9.536	-0.0060	13	-56 56 1.59	-0.004	11	0.54	9.812	18	08.2	1.42	17	04.1	K0		GC	25618
82	9.9	9.3W	41 12.755	-0.0007	14	-56 20 38.22	0.128	14	0.15	12.758	14	45.6	38.78	14	45.6	F5		CO	6019
83	9.9	8.9W	41 20.460	-0.0027	07	-52 44 42.39	-0.010	07	0.18	20.491	15	38.6	42.27	18	38.6	K0		C9	7439
84	10.5	9.6W	41 25.053	0.0017	09	-55 16 31.60	-0.012	09	0.20	25.033	15	38.6	31.47	18	38.6	G5		C9	7440
85	9.5	8.2W	41 35.404	0.0011	07	-51 55 15.41	-0.020	07	0.18	35.391	15	38.6	15.18	18	38.6	K0		C9	7441
86	9.5	9.3W	41 40.289	-0.0040	07	-57 38 16.48	-0.020	07	0.14	40.306	14	45.6	16.39	14	45.6	F5		CO	6020
87	8.9E	8.0Z	41 41.118	-0.0008	12	-51 20 22.77	0.020	12	0.82	41.157	63	03.7	23.70	57	03.7	A5		CZ	17638
88	10.4	9.4W	41 44.960	0.0025	07	-54 6 13.06	0.002	07	0.18	44.931	15	38.6	13.08	18	38.6	K0		C9	7442
89	9.5	9.2W	41 46.277	-0.0012	07	-54 51 44.09	0.044	07	0.18	46.291	15	38.6	44.59	18	38.6	F8		C9	7443
90	10.5	9.5W	41 51.285	-0.0028	09	-56 50 55.54	-0.079	09	0.15	51.297	14	45.6	55.19	14	45.6	K0		CO	6021
91	9.2	9.0W	41 54.074	-0.0000	06	-58 34 4.95	-0.035	06	0.14	54.074	14	45.6	4.79	14	45.6	F0		CO	6022
92	9.8	8.9W	41 57.841	0.0031	09	-57 8 2.89	-0.046	09	0.15	57.827	14	45.6	2.69	14	45.6	K2		CO	6023
93		6.6T	42 1.434	-0.0001	15	-50 55 32.32	-0.019	10	0.67	1.438	17	01.2	31.34	17	97.2	B8		GC	25645
94	9.9	9.7W	42 5.318	0.0013	13	-55 2 53.88	0.008	13	0.22	5.303	15	38.6	53.97	18	38.6	F0		C9	7444
95	9.7	8.8W	42 7.219	0.0010	06	-59 9 38.74	0.013	06	0.14	7.214	14	45.6	38.79	14	45.6	K0		CO	6024
96	9.7E	9.2Z	42 8.087	-0.0011	12	-51 50 35.86	0.004	12	0.82	8.138	63	03.7	36.03	57	03.7	K0		CZ	17645
97	10.3	10.3W	42 16.116	-0.0022	09	-51 56 8.32	0.014	09	0.20	16.141	15	38.6	8.48	18	38.6	A3		C9	7445
98	10.4	10.0W	42 22.236	0.0002	09	-55 14 3.56	-0.026	09	0.20	22.233	15	38.6	3.27	18	38.6	G	O	C9	7446
99	10.0	9.8W	42 23.536	-0.0015	07	-55 13 31.25	-0.008	07	0.18	23.553	15	38.6	31.17	18	38.6	F5		C9	7447
00	9.6	9.3W	42 45.795	0.0001	07	-58 39 30.81	-0.073	07	0.14	45.794	14	45.6	30.49	14	45.6	F0		CO	6025

-50° 18H

245700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 18H DM NUMBER
1	7.9E	8.5Z	18 43 5.552	-0.0019	12	-50 52 35.25	-0.015	12	0.70	5.638	45	04.5	34.59	45	04.5	B9	CZ	17663	P -5010821
2		6.6T	43 6.858	0.0001	09	-50 8 53.70	-0.031	07	0.38	6.852	15	08.2	52.26	15	02.8	F0	GC	25680	C*-5012135
3	10.0	9.1W	43 10.037	-0.0021	13	-58 0 38.68	-0.019	13	0.15	10.046	14	45.6	38.59	14	45.6	K0	C0	6026	P -58 7489
4	10.2	9.2W	43 16.110	-0.0027	09	-53 1 8.98	-0.018	09	0.20	16.141	15	38.6	8.78	18	38.6	G5	C9	7451	P -53 9308
5	9.2E	9.2Z	43 16.713	-0.0001	12	-51 6 42.76	-0.001	12	0.82	16.719	63	03.7	42.72	57	03.7	F8	CZ	17668	P -5111010
6	9.6	9.2W	43 21.135	0.0043	13	-58 6 26.68	-0.021	13	0.15	21.116	14	45.6	26.59	14	45.6	G5	C0	6027	P -58 7491
7	9.5E	9.0Z	43 27.739	-0.0038	12	-50 53 35.42	-0.003	12	0.70	27.913	45	04.5	35.29	45	04.5	G0	CZ	17671	P -5010827
8	10.2	9.3W	43 31.584	0.0016	07	-57 16 57.42	-0.030	07	0.14	31.517	14	45.6	57.29	14	45.6	K0	C0	6028	P -57 9196
9	9.7	9.5W	43 32.140	-0.0029	15	-55 7 53.85	0.010	15	0.24	32.173	15	38.6	53.97	18	38.6	F5	C9	7452	P -55 8851
10	8.9	9.1W	43 39.252	-0.0017	08	-52 31 19.91	0.006	08	0.19	39.271	15	38.6	19.96	18	38.6	B9	C9	7454	P -5211240
11	9.7	9.4W	43 45.784	0.0019	15	-55 40 2.19	0.015	15	0.24	45.762	15	38.6	2.37	18	38.6	F8	C9	7455	P -55 8852
12	9.9	9.6W	43 45.958	0.0006	09	-52 52 14.61	-0.047	09	0.20	45.951	15	38.6	14.08	18	38.6	F8	C9	7456	P -5211241
13	9.1	9.0W	43 51.967	0.0005	07	-52 14 17.68	-0.016	07	0.18	51.961	15	38.6	17.48	18	38.6	A2	C9	7457	P -5211242
14	10.2	9.9W	43 53.495	0.0020	07	-57 43 51.07	-0.087	07	0.14	53.486	14	45.6	50.69	14	45.6	G0	C0	6029	P -57 9198
15	8.8	8.5W	44 3.983	-0.0007	07	-52 13 24.92	0.005	07	0.18	3.991	15	38.6	24.98	18	38.6	F5	C9	7458	P -5211244
16	10.0	8.9W	44 15.198	-0.0028	15	-54 37 26.87	-0.037	15	0.24	15.231	15	38.6	27.29	18	38.6	K0	C9	7459	P -54 9080
17	9.6	9.0W	44 29.250	-0.0038	07	-56 32 51.68	-0.133	07	0.14	29.267	14	45.6	51.09	14	45.6	G5	C0	6030	P -56 8965
18	10.7		44 34.200	0.0010	13	-58 1 50.07	-0.018	13	0.15	34.196	14	45.6	49.99	14	45.6	A2	C0	6031	P -58 7497
19	10.5E	10.0*	44 36.008	-0.0017	12	-51 32 16.97	-0.011	12	0.66	36.091	51	01.6	16.42	51	01.6		CZ	17684	P -5111017
20	10.1	9.0W	44 38.856	0.0031	07	-54 34 34.77	-0.033	07	0.18	38.821	15	38.6	34.39	18	38.6	K2	C9	7460	P -54 9082
21	8.9E	8.5Z	44 39.349	-0.0019	12	-50 45 22.54	-0.189	12	0.70	39.437	45	04.5	13.95	45	04.5	G0	CZ	17687	P -5010835
22	9.6	8.6W	44 42.844	-0.0008	07	-56 31 31.04	-0.033	07	0.14	42.847	14	45.6	30.89	14	45.6	K0	C0	6032	P*-56 8967
23	10.3	9.7W	44 49.515	0.0043	09	-57 51 0.77	-0.017	09	0.15	49.496	14	45.6	0.69	14	45.6	F0	C0	6033	P -57 9204
24	7.9E	8.5Z	44 50.475	-0.0003	12	-51 10 54.37	-0.012	12	0.66	50.491	51	01.5	53.81	51	01.5	K0	CZ	17691	P -5111019
25	10.0	9.0W	44 51.036	-0.0003	07	-57 23 29.50	-0.048	07	0.14	51.037	14	45.6	29.29	14	45.6	K0	C0	6034	P -57 9206
26	9.1	9.0W	44 59.832	0.0017	06	-59 28 37.93	-0.009	06	0.14	59.824	14	45.6	37.89	14	45.6	A2	C0	6035	P -59 7371
27	9.5	8.6W	45 2.288	-0.0020	07	-52 53 28.62	-0.039	07	0.18	2.311	15	38.6	28.18	18	38.6	G5	C9	7461	P -5211248
28		8.0T	8.444	0.0017	13	-59 0 18.47	-0.005	11	0.59	8.359	19	04.5	18.25	18	01.2	A0	GC	25745	P -59 7373
29	8.4	8.3W	45 8.993	-0.0007	13	-57 36 19.31	-0.005	13	0.15	8.996	14	45.6	19.29	14	45.6	A0	C0	6038	P -57 9209
30	10.4	10.0W	45 8.998	0.0002	12	-57 13 49.16	-0.015	12	0.15	8.997	14	45.6	49.09	14	45.6	G2	C0	6039	P -57 9211
31	10.2	9.8W	45 9.413	0.0059	07	-57 18 8.05	-0.037	07	0.14	9.387	14	45.6	7.89	14	45.6	G5	C0	6040	P -57 9210
32	10.1	8.6W	45 23.332	0.0022	06	-59 39 24.23	-0.008	06	0.14	23.323	14	45.6	24.19	14	45.6	K3	C0	6042	P -59 7375
33	9.5	9.4W	45 24.662	0.0033	13	-57 0 48.11	-0.026	13	0.15	24.661	14	45.6	47.99	14	45.6	A0	C0	6043	P -57 9212
34	9.9	8.8W	45 27.374	-0.0033	07	-52 54 21.31	-0.029	07	0.18	27.411	15	38.6	20.98	18	38.6	K0	C9	7462	P -5211250
35	9.3	9.0W	45 36.884	-0.0001	07	-59 28 22.37	-0.062	07	0.14	36.884	14	45.6	22.09	14	45.6	F5	C0	6044	P -59 7376
36	10.5	9.5W	45 45.836	0.0041	13	-56 29 49.48	-0.024	13	0.15	45.818	14	45.6	49.38	14	45.6	K0	C0	6045	P -56 8982
37	9.8	8.5W	45 48.544	0.0038	07	-54 55 31.96	-0.006	07	0.18	48.501	15	38.6	31.89	18	38.6	K0	C9	7464	P -54 9089
38		7.0T	45 59.472	-0.0002	12	-52 10 46.62	-0.020	10	0.59	59.480	18	00.8	45.55	18	95.9	A2	GC	25767	P -5211252
39	7.7	8.0W	46 1.562	0.0027	07	-54 31 14.79	-0.008	07	0.18	1.531	15	38.6	14.69	18	38.6	B9	C9	7467	P -54 9092
40	8.9E	8.6*	46 5.556	-0.0006	12	-50 3 20.44	-0.011	12	0.62	5.583	28	03.4	19.93	26	03.4	A2	CZ	17711	P -5010845
41	8.9	7.7W	46 8.687	-0.0003	07	-54 25 1.00	-0.054	07	0.18	8.691	15	38.6	0.38	18	38.6	K0	C9	7468	P -54 9094
42	9.0E	9.0Z	46 11.329	0.0019	12	-50 3 38.81	-0.013	12	0.70	11.242	45	04.5	38.22	45	04.5	A3	CZ	17712	P -5010846
43	9.4	9.0W	46 13.447	-0.0040	07	-59 5 14.97	-0.041	07	0.14	13.464	14	45.6	14.79	14	45.6	F8	C0	6047	P -59 7381
44	9.3	9.0W	46 16.179	0.0011	06	-58 46 7.56	0.007	06	0.14	16.174	14	45.6	7.59	14	45.6	F8	C0	6048	P -58 7503
45	10.7	9.9W	46 24.390	0.0008	09	-54 3 57.02	-0.012	09	0.20	24.381	15	38.6	56.88	18	38.6	G5	C9	7469	P -54 9097
46	10.3	10.1W	46 26.446	0.0042	13	-56 39 45.75	-0.013	13	0.15	26.427	14	45.6	45.69	14	45.6	F8	C0	6049	P -56 8988
47	8.5	8.4W	46 26.568	0.0024	07	-52 45 52.97	-0.008	07	0.18	26.541	15	38.6	52.88	18	38.6	F5	C9	7470	P -5211254
48	10.3	9.3W	46 30.100	0.0025	07	-54 46 16.94	-0.004	07	0.18	30.071	15	38.6	16.89	18	38.6	G5	C9	7471	P -54 9098
49	8.0	8.0W	46 32.512	0.0036	06	-54 1 17.53	-0.030	06	0.18	32.471	15	38.6	17.18	18	38.6	F2	C9	7472	P -54 9100
50	9.0	8.1W	46 37.152	-0.0008	07	-52 39 55.45	-0.015	07	0.18	37.161	15	38.6	55.28	18	38.6	G5	C9	7473	P -5211256
51	9.9	9.6W	18 46 39.475	0.0047	07	-58 54 21.84	-0.041	07	0.14	39.454	14	45.6	21.79	14	45.6	F8	C0	6050	P -58 7505
52		7.4T	46 54.937	0.0026	16	-52 21 31.90	-0.054	13	0.74	54.812	21	02.7	29.18	19	99.6	G5	GC	25797	P -5211258
53	9.8	9.1W	47 1.192	-0.0052	15	-51 57 19.54	-0.014	15	0.24	1.251	15	38.6	19.38	18	38.6	G5	C9	7475	P -5211259
54		7.3T	47 27.743	-0.0026	16	-51 34 45.50	-0.017	13	0.76	27.868	22	01.4	44.64	21	99.1	G5	GC	25816	C -5111792
55	8.7	7.8W	47 35.009	0.0014	07	-55 12 24.43	-0.006	07	0.18	34.993	15	38.6	24.37	18	38.6	K0	C9	7478	P -55 8882
56	7.7	7.9W	47 38.543	0.0037	06	-57 59 39.12	-0.029	06	0.14	38.526	14	45.6	38.99	14	45.6	A0	C0	6052	P -58 7510
57	10.1		47 39.606	0.0045	07	-57 59 18.70	-0.048	07	0.14	39.586	14	45.6	18.49	14	45.6		C0	6053	P -58 7511
58	8.8	8.6W	47 40.905	-0.0005	13	-56 47 8.33	0.015	13	0.15	40.907	14	45.6	8.39	14	45.6	A2	C0	6054	P -56 8997
59		7.2T	47 47.416	-0.0069	16	-52 27 17.44	-0.018	12	0.71	47.738	21	03.1	16.52	19	98.7	K0	GC	25833	P -5211261
60	8.7E	8.0Z	47 50.064	0.0018	12	-51 33 25.92	-0.000	12	0.82	49.981	63	03.7	25.91	57	03.7	K2	CZ	17727	P -5111037
61	10.1	9.9W	47 53.970	0.0058	09	-58 57 11.62	-0.098	09	0.15	53.944	14	45.6	11.19	14	45.6	F9	C0	6055	P -59 7389
62	8.9	8.6W	47 56.951	0.0088	07	-54 21 41.82	-0.038	07	0.18	56.851	15	38.6	41.38	18	38.6	G0	C9	7480	P -54 9114
63	9.9	9.7W	47 57.083	-0.0016	07	-52 16 58.19	-0.027	07	0.18	57.101	15	38.6	57.88	18	38.6	F8	C9	7481	P -5211262
64	10.2	9.6W	47 58.031	0.0035	15	-53 59 11.20	0.025	15	0.24	57.991	15	38.6	11.48	18	38.6	G0	C9	7482	P -54 9115
65	9.6	9.2W	48 0.804	-0.0023	06	-59 0 11.72	0.040	06	0.14	0.814	14	45.6	11.89	14	45.6	F5	C0	6056	P -59 7391
66	10.0E	9.5Z	48 5.719	-0.0011	12	-51 25 53.23	0.009	12	0.82	5.772	63	03.7	53.66	57	03.7	F5	CZ	17732	P -5111038
67	9.0	9.1W	48 7.903	-0.0016	08	-53 30 35.45	-0.032	08	0.19	7.921	15	38.6	35.08	18	38.6	A2	C9	7483	P -53 9345
68	8.0	8.2W	48 11.945	0.0041	09	-57 15 23.24	0.012	09	0.15	11.927	14	45.6	23.29	14	45.6	A0	C0	6057	P -57 9228
69	10.4	9.3W	48 17.050	-0.0010	07	-54 25 12.58	-0.000	07	0.18	17.061	15	38.6	12.58	18	38.6	K0	C9	7485	P -54 9120
70	9.3	9.5W	48 27.664	-0.0015	15	-54 57 12.42	-0.037	15	0.24	27.681	15	38.6	11.99	18	38.6	A0	C9	7486	P -55 8887
71	9.1E	9.2*	48 41.130	-0.0018	12	-51 42 29.37	0.025	12	0.66	41.217	31	01.6	30.57	31	01.6	F0	CZ	17741	P -5111040
72		5.3T	48 41.748	0.0040	08	-52 10 1.54	-0.103	06	0.31	41.590	12	11.0	-56.96	12	05.5	K0	GC	25859	P*-5211266
73	10.5	9.6W	48 55.111	0.0033	14	-57 40 36.75	-0.012	14	0.15	55.096	14	45.6	36.69	14	45.6	G9	C0	6059	P -57 9234
74	9.3E	9.2Z	48 55.755	0.0006	12	-51 0 20.79	-0.025	12	0.82	55.730	63	03.7	19.65	57	03.7	F8	CZ	17745D	P*-5111043
75	10.2	9.0W	49 0.215	0.0048	08	-59 6 50.15	-0.013	08	0.14	0.194	14	45.6	50.09	14	45.6	K0	C0	6060	P -59 7393
76	10.0	9.8W	49 5.035	0.0005	07	-59 35 1.77	-0.019	07	0.14	5.033	14	45.6	1.69	14	45.6	F2	C0	6061	P -59 7394
77	10.1E	9.6*	49 5.224	-0.0008	12	-50 35 4.51	-0.002	12	0.64	5.263	31	02.8	4.42	28	02.8	A3	CZ	17748	P -5010860
78	9.9	9.9W	49 5.624	-0.0024	15	-54 36 11.58	0.028	15	0.24	5.651	15	38.6	11.89	18	38.6	A0	C9	7488	P -54 9132
79	9.1	9.0W	49 9.572	-0.0025	08	-53 35 39.57	0.028	08	0.19	9.601	15	38.6	39.88	18	38.6	F0	C9	7489	P -53 9352
80	10.4	10.2W	49 10.507	0.0025	09	-57 31 5.48	0.025	09	0.15	10.496	14	45.6	5.59	14	45.6	F7	C0	6063	P -57 9236
81	8.3E	8.5Z	49 13.745	0.0013	12	-50 14 26.92	-0.082	12	0.70	13.685	45	04.5	23.20	45	04.5	G5	CZ	17751	P -5010862
82	8.3	8.1W	49 14.679	0.0007	07	-52 39 1.94	0.021	07	0.18	14.671	15	38.6	2.18	18	38.6	F5	C9	7490	P -5211272
83		6.5T	49 14.953	0.0014	11	-51 59 34.19	-0.003	08	0.53	14.881	17	99.9	34.02	18	91.8	B8	GC	25871	P*-5211273
84	9.4	9.6W	49 16.453	-0.0007	07	-54 30 1.34	-0.004	07	0.18	16.461	15	38.6	1.29	18	38.6	A0	C9	7492	P -54 9136
85	9.4	9.3W	49 21.181	-0.0018	07	-54 19 56.96	-0.007	07	0.18	21.201	15	38.6	56.88	18	38.6	F0	C9	7493	P -54 9137
86	7.7	7.6W	49 25.860	-0.0010	06	-52 19 1.55	0.011	06	0.18	25.871	15	38.6	1.68	18	38.6	F0	C9	7494	P -5211274
87	9.3	9.1W	49 27.676	-0.0023	08	-55 45 41.28	-0.010	08	0.19	27.702	15	38.6	41.17	18	38.6	F5	C9	7495	P -55 8892
88	9.8	9.5W	49 30.423	0.0019	09	-58 43 55.10	0.022	09	0.15	30.414	14	45.6	55.19	14	45.6	A2	C0	6064	P -58 7518
89	10.4	9.1W	49 32.198	-0.0003	07	-51 55 40.17	-0.008	07	0.18	32.201	15	38.6	40.08	18	38.6	K0	C9	7496	P -5211275
90	9.2	8.3W	49 32.628	-0.0003	07	-53 51 28.86	0.020	07	0.18	32.631	15	38.6	29.08	18	38.6	G5	C9	7497	P -53 9354
91	9.1	8.4W	49 50.284	0.0081	07	-54 57 59.23	-0.170	07	0.18	50.191	15	38.6	57.29	18	38.6	K2	C9	7499	P -55 8896
92	9.3E	9.5Z	49 50.420	-0.0015	12	-51 14 34.31	-0.012	12	0.82	50.492	63	03.7	33.76	57	03.7	F2	CZ	17761	P -5111045
93	9.0	8.9W	49 53.625	-0.0021	06	-59 9 22.44	-0.079	06	0.14	53.634	14	45.6	22.09	14	45.6	F5	C0	6065	P -59 7397
94	9.7	8.6W	50 0.668	0.0173	07	-54 25 4.58	-0.052	07	0.18	0.471	15	38.6	3.98	18	38.6	K2	C9	7500	P*-54 9142
95	8.9	8.7W	50 28.387	0.0049	07	-53 37 10.42	-0.029	07	0.18	28.331	15	38.6	10.08	18	38.6	F8	C9	7502	P -53 9364
96	9.3E	9.0Z	50 51.327	-0.0006	12	-50 11 30.95	-0.071	12	0.70	51.353	45	04.5	27.73	45	04.5	G0	CZ	17772	P -5010876
97	9.4E	8.5Z	50 51.831	0.0001	12	-50 13 54.01	-0.007	12	0.70	51.826	45	04.5	53.70	45	04.5	G5	CZ	17773	P -5010877
98	8.7	8.0W	50 57.319	-0.0002	06	-53 30 1.60	-0.028	06	0.18	57.321	15	38.6	1.28	18	38.6	G5	C9	7505	P -53 9369
99	8.7	9.1W	51 4.032	0.0009	07	-52 46 6.81	-0.003	07	0.18	4.021	15	38.6	6.78	18	38.6	B9	C9	7507	P -5211283
00	10.3	8.9W	51 6.295	0.0012	08	-52 40 4.62	0.005	08	0.19	6.281	15	38.6	4.67	18	38.6	K2	C9	7508	P -5211284

245800			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-50° 18H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1	10.6E	9.5*	18 51 6.337	0.0002	12	-51 15 1.37	0.010	12	0.66	6.329	31	01.6	1.86	31	01.6	G5	CZ	17776	P -5111054	
2	10.2	10.0W	51 7.782	0.0014	07	-58 19 5.15	-0.012	07	0.14	7.776	14	45.6	5.09	14	45.6	F3	CO	6066	P -58 7523	
3	8.8	8.9W	51 10.654	0.0020	07	-52 47 35.08	-0.018	07	0.18	10.631	15	38.6	34.88	18	38.6	A2	C9	7509	P -5211286	
4	10.1	9.8W	51 15.472	-0.0008	09	-52 20 37.76	0.054	09	0.20	15.481	15	38.6	38.38	18	38.6	F8	C9	7511	P -5211288	
5	8.5	8.4W	51 24.607	0.0047	06	-58 18 25.10	-0.001	06	0.14	24.586	14	45.6	25.09	14	45.6	F0	CO	6067	P -58 7527	
6	8.1E	8.0Z	51 28.275	0.0002	12	-50 7 33.73	-0.039	12	0.64	28.265	31	02.8	31.89	28	02.8	F0	CZ	17784	P -5010881	
7	9.9	9.6W	51 31.283	0.0028	15	-54 55 56.98	-0.025	15	0.24	31.251	15	38.6	56.69	18	38.6	F8	C9	7512	P -55 8909	
8	8.6	9.0W	51 32.609	0.0014	06	-59 32 55.77	-0.018	06	0.14	32.603	14	45.6	55.69	14	45.6	A0	CO	6069	P -59 7403	
9		6.9T	51 33.767	0.0010	13	-56 29 16.99	-0.005	10	0.57	33.719	18	07.3	16.75	18	00.2	K5	GC	25925	P -56 9026	
10	9.7E	9.9Z	51 38.684	-0.0012	12	-51 46 1.20	-0.015	12	0.70	38.739	45	04.1	0.51	45	04.1	A2	CZ	17788	P -5111058	
11	9.6	8.1W	51 53.210	-0.0010	06	-51 59 54.85	-0.015	06	0.18	53.221	15	38.6	54.68	18	38.6	K5	C9	7514	P -5211292	
12	9.5	8.4W	51 54.091	0.0016	09	-58 39 37.02	0.017	09	0.15	54.084	14	45.6	37.09	14	45.6	K2	CO	6071	P -58 7529	
13	9.9	8.4W	51 55.921	0.0009	07	-56 35 23.21	-0.026	07	0.14	55.917	14	45.6	23.09	14	45.6	K2	CO	6072	P -56 9029	
14	10.0	8.6W	52 4.700	-0.0011	07	-55 49 27.33	0.012	07	0.18	4.712	15	38.6	27.47	18	38.6	K0	C9	7515	P -55 8915	
15	8.2	8.0W	52 9.005	0.0038	06	-55 55 22.08	0.001	06	0.14	8.988	14	45.6	22.08	14	45.6	F5	CO	6073	P -56 9032	
16	7.6	7.9W	52 29.248	-0.0003	07	-54 37 57.30	-0.009	07	0.18	29.251	15	38.6	57.19	18	38.6	A0	C9	7518	P -54 9166	
17	9.4	9.1W	52 30.081	0.0015	08	-58 45 45.02	-0.051	08	0.14	30.074	14	45.6	44.79	14	45.6	F0	CO	6074	P -58 7532	
18	9.9	9.1W	52 31.799	-0.0011	06	-52 20 0.59	-0.027	06	0.18	31.811	15	38.6	0.28	18	38.6	G5	C9	7519	P -5211297	
19	8.3	8.5W	52 35.834	0.0002	06	-52 21 11.95	-0.006	06	0.18	35.831	15	38.6	11.88	18	38.6	A0	C9	7520	P -5211299	
20	8.6E	8.2Z	52 46.904	0.0001	12	-51 5 32.89	-0.015	12	0.65	46.901	31	01.9	32.18	31	01.9	F5	CZ	17799	P -5111062	
21	8.0	8.0W	53 8.388	0.0022	06	-55 53 56.38	-0.023	06	0.14	8.378	14	45.6	56.28	14	45.6	F0	CO	6075	P -55 8920	
22	9.7	10.0W	53 19.793	0.0017	07	-55 25 0.41	0.005	07	0.18	19.773	15	38.6	0.47	18	38.6	A0	C9	7522	P -55 8922	
23	10.1	8.7W	53 20.626	0.0019	07	-56 3 8.42	-0.463	07	0.14	20.618	14	45.6	6.38	14	45.6	K5	CO	6077	P*-56 9037	
24	8.8	8.0W	53 27.119	0.0007	07	-53 21 22.70	-0.037	07	0.18	27.111	15	38.6	22.28	18	38.6	G5	C9	7524	P -53 9395	
25	8.4	8.3W	53 35.574	-0.0016	07	-55 32 53.85	-0.051	07	0.18	35.592	15	38.6	53.27	18	38.6	A5	C9	7525	P -55 8924	
26	8.8	7.9W	53 37.392	0.0054	07	-56 11 36.94	0.010	07	0.14	37.368	14	45.6	36.98	14	45.6	G5	CO	6078	P -56 9039	
27	10.7	9.9W	53 46.781	-0.0009	09	-54 18 3.85	-0.032	09	0.20	46.791	15	38.6	3.48	18	38.6	G5	C9	7526	P -54 9178	
28	10.2	10.1W	53 49.203	0.0019	14	-51 54 55.56	-0.033	14	0.23	49.181	15	38.6	55.18	18	38.6	A5	C9	7527	P -5211305	
29	10.7E	9.6*	53 54.941	-0.0012	12	-50 48 30.63	0.010	12	0.63	54.999	31	03.1	31.11	28	03.1	F8	CZ	17819	P -5010892	
30	9.9	9.8W	53 58.016	-0.0048	13	-57 19 44.49	0.024	13	0.15	58.037	14	45.6	44.59	14	45.6	A5	CO	6079	P -57 9273	
31	9.5E	8.5Z	54 11.465	0.0002	12	-51 13 33.79	-0.005	12	0.81	11.458	63	04.6	33.57	57	04.6	K2	CZ	17822	P -5111067	
32	10.3	8.9W	54 20.690	-0.0003	13	-55 29 50.67	0.017	13	0.22	20.693	15	38.6	50.87	18	38.6	K0	C9	7530	P -55 8932	
33	10.1	8.6W	54 25.152	0.0012	07	-56 58 49.97	-0.017	07	0.14	25.147	14	45.6	49.89	14	45.6	K5	CO	6080	P -57 9278	
34		5.0H	54 27.986	0.0014	04	-53 0 22.78	-0.000	04	0.14	27.940	07	17.5	22.76	06	15.9	B9	F4	708	C -53 9402	
35	10.5	9.5W	54 30.637	0.0040	09	-54 20 38.19	-0.079	09	0.20	30.591	15	38.6	37.28	18	38.6	K0	C9	7533	P -54 9186	
36	9.7	9.7W	54 40.477	0.0014	15	-52 35 48.63	-0.092	15	0.24	40.461	15	38.6	47.58	18	38.6	A3	C9	7534	P -5211307	
37	9.4	8.9W	54 40.607	-0.0012	07	-53 20 47.26	-0.025	07	0.18	40.621	15	38.6	46.98	18	38.6	F8	C9	7535	P -53 9404	
38	9.9	9.0W	54 41.512	0.0018	07	-52 57 28.65	-0.007	07	0.18	41.491	15	38.6	28.57	18	38.6	K0	C9	7536	P -53 9406	
39	9.7	9.0W	54 42.726	0.0004	15	-54 57 30.90	0.026	15	0.24	42.721	15	38.6	31.19	18	38.6	G5	C9	7537	P -55 8935	
40	9.9E	9.5Z	54 51.591	0.0020	12	-51 28 3.58	0.002	12	0.81	51.499	63	04.6	3.66	57	04.6	G0	CZ	17829	P -5111070	
41	9.5E	8.6Z	54 54.591	0.0034	12	-50 55 38.17	-0.022	12	0.70	54.459	45	05.0	37.19	45	05.0	G0	CZ	17831	P -5111072	
42	10.5	9.6W	54 55.209	0.0002	13	-56 26 51.84	-0.058	13	0.15	55.208	14	45.6	51.58	14	45.6	G1	CO	6081	P -56 9047	
43	10.2E	9.4*	54 56.011	0.0029	12	-51 31 53.25	-0.147	12	0.65	55.872	31	01.9	46.17	31	01.6	F5	CZ	17830	P -5111071	
44	9.5	9.2W	55 7.351	-0.0008	07	-58 58 13.01	-0.050	07	0.14	7.354	14	45.6	12.79	14	45.6	G0	CO	6082	P -59 7412	
45	9.6	8.7W	55 18.716	0.0004	07	-53 54 20.54	0.004	07	0.18	18.711	15	38.6	20.58	18	38.6	G5	C9	7539	P -54 9194	
46	10.1	9.8W	55 19.571	0.0061	14	-58 57 11.29	-0.023	14	0.15	19.544	14	45.6	11.19	14	45.6	G0	CO	6083	P -59 7415	
47	9.6E	9.4Z	55 30.501	0.0011	12	-51 6 7.95	-0.020	12	0.81	30.453	63	04.6	7.05	57	04.6	F8	CZ	17837	P -5111075	
48	8.9E	9.1*	55 32.084	0.0054	12	-50 24 41.21	-0.013	12	0.63	31.840	31	03.2	40.61	28	03.2	G0	CZ	17838	P -5010908	
49	8.5	7.6W	55 34.500	0.0010	06	-58 2 48.82	-0.006	06	0.14	34.496	14	45.6	48.79	14	45.6	K0	CO	6084	P -58 7544	
50	9.7	9.5W	55 40.095	0.0020	07	-58 23 39.27	0.004	07	0.14	40.086	14	45.6	39.29	14	45.6	A3	CO	6085	P -58 7545	
51	10.0	9.5W	18 55 43.163	0.0019	07	-54 0 56.04	-0.040	07	0.18	43.141	15	38.6	55.58	18	38.6	G0	C9	7541	P -54 9198	
52	10.1	9.2W	55 47.109	-0.0004	07	-55 29 44.09	-0.011	07	0.18	47.113	15	38.6	43.97	18	38.6	G5	C9	7542	P -55 8940	
53	9.4	8.6W	55 51.135	0.0018	07	-56 43 45.75	-0.012	07	0.14	51.127	14	45.6	45.69	14	45.6	K0	CO	6086	P -56 9050	
54	8.5E	8.5Z	55 52.439	0.0010	12	-51 21 5.69	-0.006	12	0.81	52.396	63	04.6	5.42	57	04.6	G5	CZ	17842	P -5111077	
55	9.6	9.6W	55 56.345	-0.0005	15	-52 28 25.75	-0.041	15	0.24	56.351	15	38.6	25.28	18	38.6	A3	C9	7544	P -5211315	
56		7.1T	56 11.432	0.0010	12	-55 5 8.55	0.030	10	0.52	11.384	18	07.7	10.02	18	01.1	K2	GC	26054	P -55 8944	
57	9.9E	9.5Z	56 17.277	0.0004	12	-51 23 34.06	0.002	12	0.81	17.261	63	04.6	34.16	57	04.6	F0	CZ	17850	P -5111080	
58	9.9	8.7W	56 22.187	0.0008	07	-59 32 21.39	-0.045	07	0.14	22.183	14	45.7	21.19	14	45.7	K0	CO	6088	P -59 7421	
59	9.0	9.0W	56 24.201	-0.0015	13	-56 17 42.16	-0.019	13	0.15	24.208	14	45.7	42.08	14	45.7	A0	CO	6089	P -56 9052	
60	9.5E	9.0Z	56 27.060	-0.0003	12	-51 23 31.36	0.000	12	0.81	27.075	63	04.6	31.37	57	04.6	F0	CZ	17852	P -5111082	
61	9.5	9.1W	56 41.896	0.0012	07	-55 36 5.03	-0.093	07	0.18	41.882	15	38.6	3.97	18	38.6	G0	C9	7551	P -55 8948	
62	9.0	8.4W	56 45.802	0.0041	06	-58 57 42.73	-0.031	06	0.14	45.784	14	45.7	42.59	14	45.7	G5	CO	6090	P -59 7422	
63	9.1	8.9W	57 18.401	0.0033	07	-55 10 9.35	-0.086	07	0.18	18.363	15	38.6	8.37	18	38.6	G0	C9	7552	P -55 8952	
64	9.2E	8.5Z	57 23.897	-0.0022	12	-50 15 12.04	0.019	12	0.63	23.999	31	03.1	12.94	28	03.1	K0	CZ	17865	P -5010919	
65	9.5	9.5W	57 34.267	0.0048	08	-55 42 39.39	-0.002	08	0.19	34.212	15	38.6	39.37	18	38.6	A0	C9	7553	P -55 8953	
66	9.1E	8.5Z	57 35.546	0.0017	12	-51 43 4.76	-0.123	12	0.81	35.469	63	04.6	59.16	57	04.6	G0	CZ	17866	P -5111088	
67		10.1W	57 41.124	0.0003	07	-52 52 59.10	-0.011	07	0.18	41.121	15	38.6	58.98	18	38.6	K5	C9	7555	P -5211326	
68	10.2	9.4W	57 43.924	0.0017	07	-57 31 46.22	-0.006	07	0.14	43.916	14	45.7	46.19	14	45.7	G5	CO	6092	P -57 9290	
69	10.0E	9.0Z	57 44.656	-0.0003	12	-50 15 49.29	-0.016	12	0.65	44.669	36	05.1	48.57	36	05.1	G5	CZ	17871	P -5010921	
70	8.9	8.3W	57 45.841	-0.0037	06	-57 2 30.06	-0.132	06	0.14	45.857	14	45.7	29.49	14	45.7	G5	CO	6093	P -57 9291	
71	10.7	10.0W	57 59.263	0.0002	09	-53 35 9.28	-0.008	09	0.20	59.261	15	38.6	9.18	18	38.6	K0	C9	7556	P -53 9432	
72	10.0	9.6W	58 7.586	0.0004	06	-53 2 29.38	-0.000	06	0.18	7.581	15	38.6	29.38	18	38.6	F2	C9	7557	P -53 9435	
73	9.9	9.1W	58 16.376	-0.0005	07	-52 44 49.59	-0.010	07	0.18	16.381	15	38.6	49.48	18	38.6	G5	C9	7558	P -5211330	
74	8.6	8.3W	58 19.346	0.0013	06	-53 34 48.22	-0.012	06	0.18	19.331	15	38.6	48.08	18	38.6	G0	C9	7559	P -53 9436	
75		10.2W	58 20.948	-0.0003	07	-53 34 22.78	0.009	07	0.18	20.951	15	38.6	22.88	18	38.6		C9	7562	P -53 9437	
76	10.5	9.5W	58 29.619	-0.0028	09	-52 37 28.14	0.021	09	0.20	29.651	15	38.6	28.38	18	38.6	K0	C9	7563	P -5211334	
77	9.3	9.1W	58 41.892	0.0059	07	-57 52 10.34	0.012	07	0.14	41.866	14	45.7	10.39	14	45.7	F0	CO	6094	P -57 9293	
78	9.0	8.5W	58 49.307	-0.0004	06	-54 16 49.53	-0.048	06	0.18	49.311	15	38.6	48.98	18	38.6	G0	C9	7564	P -54 9221	
79	9.8E	9.2Z	58 50.054	0.0013	12	-51 40 4.71	-0.029	12	0.81	49.995	63	04.6	3.39	57	04.6	A2	CZ	17878	P -5111097	
80	10.6	9.8W	58 50.275	0.0020	09	-57 55 48.64	-0.011	09	0.15	50.266	14	45.7	48.59	14	45.7	G8	CO	6095	P -58 7554	
81	8.7	8.5W	58 57.212	-0.0008	05	-54 38 49.74	-0.039	05	0.18	57.221	15	38.6	49.29	18	38.6	F0	C9	7565	P -54 9223	
82		7.1T	58 59.072	0.0017	12	-57 4 4.04	-0.151	11	0.57	58.993	19	04.5	56.89	18	02.6	K0	GC	26140	P -57 9295	
83	10.2	9.6W	59 2.742	0.0067	13	-59 50 37.42	0.040	13	0.15	2.713	14	45.7	37.59	14	45.7	G5	CO	5759	P -59 7425	
84	9.9	9.9W	59 4.014	-0.0024	15	-53 5 54.24	0.003	15	0.24	4.041	15	38.6	54.27	18	38.6	A3	C9	7566	P -53 9442	
85		7.0T	59 4.895	0.0010	11	-57 59 48.91	-0.050	09	0.50	4.847	18	05.1	46.43	17	00.8	K0	GC	26143	P -58 7558	
86		8.3T	59 13.868	-0.0032	26	-51 50 46.79	-0.093	22	1.12	14.012	19	04.3	42.51	19	03.9	F8	GC	26148	C -5111887	
87	10.3	9.1W	59 14.946	0.0031	09	-52 12 57.30	-0.037	09	0.20	14.911	15	38.6	56.88	18	38.6	K2	C9	7568	P -5211339	
88	9.6	9.0W	59 25.882	0.0009	07	-55 50 22.24	0.033	07	0.14	25.878	14	45.7	22.38	14	45.7	G5	CO	6100	P -55 8965	
89	9.7	9.6W	59 25.897	0.0047	09	-57 45 25.73	-0.009	09	0.15	25.876	14	45.7	25.69	14	45.7	A0	CO	6099	P -57 9297	
90	9.3	9.3W	59 26.337	0.0053	13	-58 36 17.04	0.012	13	0.15	26.314	14	45.7	17.09	14	45.7	A0	CO	6101	P -58 7563	
91	9.7	8.7W	59 31.816	-0.0005	07	-56 23 20.11	-0.007	07	0.14	31.818	14	45.7	20.08	14	45.7	K0	CO	6102	P -56 9074	
92	10.1	9.5W	59 32.627	0.0005	07	-53 4 12.29	-0.185	07	0.18	32.621	15	38.6	10.18	18	38.6	G5	C9	7570	P -53 9450	
93	10.1	10.2W	59 35.636	-0.0031	15	-54 1 6.68	-0.008	15	0.24	35.671	15	38.6	6.58	18	38.6	A0	C9	7571	P -54 9227	
94		7.4T	59 35.764	0.0015	11	-50 23 24.72	-0.025	08	0.42	35.706	18	12.1	23.66	17	07.1	K2	GC	26166	C -5012292	
95	8.4	7.9W	59 41.557	0.0124	06	-59 48 57.45	-0.060	06	0.14	41.503	14	45.7	57.19	14	45.7	G5	CO	5762	P -59 7431	
96		6.5T	59 44.012	0.0003	11	-58 2 3.27	0.003	09	0.49	43.999	18	04.5	3.40	17	00.5	G5	GC	26170	P -58 7564	
97	10.7	9.3W	59 44.671	0.0034	07	-57 52 21.75	-0.013	07	0.14	44.656	14	45.7	21.69	14	45.7	K0	CO	6105	P -57 9301	
98	9.8	9.9W	59 54.448	-0.0012	15	-51 56 59.24	-0.005	15	0.24	54.461	15	38.6	59.18	18	38.6	A2	C9	7572	P -5211347	
99		6.0T	19 0 3.838	0.0032	12	-51 5 27.22	-0.143	11	0.57	3.692	17	04.5	20.01	18	99.4	K5	GC	26182K	C -5111893	
00	10.3	9.9W	0 4.604	0.0018	07	-58 2 28.07	-0.042	07	0.14	4.596	14	45.7	27.89	14	45.7	G0	CO	6107	P -58 7567	

245900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 19H DM NUMBER
1	9.8E	9.0Z	19 0 25.542	0.0008	12	-50 24 33.80	-0.013	12	0.70	25.505	45	05.0	33.22	45	05.0	A5	CZ	17909	P -5010939
2	9.8E	8.5Z	0 26.014	-0.0005	12	-51 15 2.50	0.036	12	0.81	26.039	63	04.6	4.15	57	04.6	K2	CZ	17908	P -5111106
3	9.6	8.2W	0 26.681	0.0081	06	-58 15 3.47	0.004	06	0.14	26.646	14	45.7	3.49	14	45.7	K2	CD	6108	P -58 7568
4	9.8	9.4W	0 32.551	-0.0055	07	-55 15 18.22	-0.005	07	0.18	32.613	15	38.6	18.17	18	38.6	GD	C9	7573	P -55 8973
5	10.5	9.2W	0 33.483	-0.0025	09	-52 51 52.53	-0.005	09	0.20	33.511	15	38.6	52.48	18	38.6	K5	C9	7574	P -5211349
6	9.9	9.4W	0 37.476	-0.0004	07	-54 27 26.92	-0.029	07	0.18	37.481	15	38.6	28.58	18	38.6	GD	C9	7575	P -54 9235
7	8.0	8.3W	0 40.048	0.0026	06	-58 22 36.40	-0.001	06	0.14	40.036	14	45.7	36.39	14	45.7	B9	CD	6109	P -58 7569
8	10.1E	9.3Z	0 43.076	0.0023	12	-50 36 43.70	-0.025	12	0.70	42.974	45	05.0	42.59	45	05.0	F8	CZ	17911	P -5010941
9	10.1	9.7W	0 55.310	-0.0012	07	-55 11 10.30	-0.073	07	0.18	55.323	15	38.6	9.47	18	38.6	GD	C9	7576	P -55 8978
10	10.6	10.7W	0 57.019	0.0011	12	-58 33 35.23	0.014	12	0.15	57.014	14	45.7	35.29	14	45.7	A7	CD	6110	P -58 7570
11	9.1E	8.5Z	0 57.943	0.0004	12	-50 24 27.97	0.019	12	0.70	57.924	45	05.0	28.83	45	05.0	K0	CZ	17915	P -5010942
12	10.2	9.8W	1 10.232	-0.0006	07	-58 44 35.60	-0.001	07	0.14	10.234	14	45.7	35.59	14	45.7	F5	CD	6111	P -58 7571
13	9.1	9.1W	1 33.259	0.0033	07	-53 22 27.03	-0.048	07	0.18	33.221	15	38.6	26.48	18	38.6	F0	C9	7578	P -53 9462
14	9.4E	9.0Z	1 43.570	-0.0015	12	-51 7 7.45	0.000	12	0.81	43.640	63	04.6	7.46	57	04.6	A5	CZ	17922	P -5111109
15	10.2	9.9W	1 46.150	0.0008	07	-58 14 0.61	-0.005	07	0.14	46.146	14	45.7	0.59	14	45.7	F5	CD	6114	P -58 7575
16	10.9	9.3W	1 46.744	-0.0024	09	-53 50 44.31	-0.020	09	0.20	46.771	15	38.6	44.08	18	38.6		C9	7579	P -53 9464
17	10.1	8.6W	1 50.452	0.0011	07	-57 21 21.37	0.006	07	0.14	50.447	14	45.7	21.39	14	45.7	K2	CD	6115	P -57 9309
18	10.4	10.0W	2 6.558	-0.0064	15	-53 18 33.82	-0.021	15	0.24	6.631	15	38.6	33.58	18	38.6	GD	C9	7580	P -53 9469
19	9.4	8.3W	2 9.091	0.0018	07	-53 37 7.82	-0.029	07	0.18	9.071	15	38.6	7.48	18	38.6	K0	C9	7581	P -53 9470
20	8.4	8.3W	2 22.303	0.0037	06	-57 11 19.45	-0.014	06	0.14	22.287	14	45.7	19.39	14	45.7	A3	CD	6117	P -57 9314
21		5.2T	2 22.677	0.0035	06	-52 24 59.33	-0.115	05	0.25	22.530	09	08.5	54.17	09	05.1	GD	GC	26240	P*-5211356
22	10.6	9.7W	2 39.364	0.0026	09	-55 48 9.71	0.022	09	0.20	39.332	15	38.6	9.97	18	38.6	K0	C9	7584	P -55 8984
23		7.3T	2 43.938	0.0024	15	-51 29 42.18	0.005	13	0.73	43.820	19	01.1	42.41	18	98.5	F8	GC	26253	C -5111917
24	10.3	9.9W	2 50.600	0.0036	09	-58 46 29.95	-0.014	09	0.15	50.584	14	45.7	29.89	14	45.7	F8	CD	6119	P -58 7579
25		6.5T	3 3.474	-0.0022	12	-50 24 2.32	-0.028	09	0.59	3.581	19	00.0	0.77	18	93.9	A0	GC	26265	C -5012326
26	10.0	8.8W	3 7.336	0.0004	06	-52 0 34.18	0.000	06	0.18	7.331	15	38.6	34.18	18	38.6	K2	C9	7585	P -5211361
27	10.0	9.6W	3 14.911	0.0019	07	-59 58 55.83	0.015	07	0.14	14.903	14	45.7	55.89	14	45.7	F5	CD	6120	P -60 7259
28	9.7	8.7W	3 20.210	0.0007	09	-55 49 29.73	-0.014	09	0.20	20.202	15	38.6	29.57	18	38.6	K2	C9	7587	P -55 8991
29	9.8E	9.0*	3 33.530	-0.0002	12	-50 55 8.45	0.025	12	0.61	33.541	28	03.7	9.61	26	03.7	FD	CZ	17942	P -5111116
30	10.5	9.4W	3 36.044	0.0027	07	-55 19 22.87	-0.027	07	0.18	36.013	15	38.6	22.57	18	38.6	K0	C9	7588	P -55 8993
31	10.7	9.2W	3 36.276	-0.0005	07	-52 8 27.58	-0.026	07	0.18	36.281	15	38.6	27.28	18	38.6	K5	C9	7589	P -5211363
32	10.0	10.1W	3 55.991	-0.0000	15	-52 12 51.93	-0.013	15	0.24	55.991	15	38.6	51.78	18	38.6	A2	C9	7590	P -5211365
33	10.0E	9.4Z	4 18.067	-0.0004	12	-50 55 26.28	-0.007	12	0.69	18.105	45	05.4	25.97	45	05.4	A0	CZ	17950	P -5111122
34	9.9	9.7W	4 26.595	0.0029	09	-55 46 3.25	-0.069	09	0.20	26.562	15	38.6	2.47	18	38.6	GD	C9	7593	P -55 8998
35	7.9	7.8W	4 27.299	0.0034	07	-59 24 41.64	-0.010	07	0.14	27.285	14	45.7	41.59	14	45.7	A5	CD	6122	P -59 7450
36	9.8E	9.5Z	4 39.778	0.0014	12	-50 54 41.86	-0.007	12	0.69	39.716	45	05.4	41.55	45	05.4	F5	CZ	17955	P -5111124
37		6.5T	4 44.046	0.0041	12	-55 47 55.14	-0.107	10	0.59	43.833	21	02.0	49.52	19	97.4	K0	GC	26319	P -55 9001
38	9.1	8.6W	4 48.988	0.0006	07	-54 7 2.51	-0.072	07	0.18	48.981	15	38.6	1.68	18	38.6	GD	C9	7595	P -54 9258
39	10.2	9.3W	4 52.012	0.0001	08	-54 11 16.12	-0.029	08	0.19	52.011	15	38.6	15.78	18	38.6	K0	C9	7596	P -54 9260
40	7.9	8.2W	5 1.287	0.0022	06	-55 54 8.86	-0.008	06	0.18	1.262	15	38.6	8.77	18	38.6	A0	C9	7597	P -56 9095
41		9.6T	5 4.241	-0.0038	18	-59 1 2.56	0.019	18	0.86	4.415	24	04.7	3.44	24	04.8	K2	GC	26328	P -59 7451
42	9.9E	9.5Z	5 8.797	0.0015	12	-50 58 7.60	-0.029	12	0.80	8.730	63	05.5	6.32	57	05.5	F8	CZ	17962	P -5111126
43	10.2E	9.0Z	5 17.724	-0.0009	12	-51 42 0.66	0.005	12	0.80	17.763	63	05.5	0.87	57	05.5	G5	CZ	17963	P -5111129
44	10.4E	9.0Z	5 35.782	-0.0009	12	-51 33 35.37	0.024	12	0.65	35.823	31	02.4	36.50	31	02.4	K5	CZ	17970	P -5111134
45	9.6E	9.0Z	5 47.880	-0.0008	12	-50 51 42.85	0.009	12	0.69	47.916	45	05.4	43.26	45	05.4	G5	CZ	17973	P -5010976
46	9.8	8.1W	5 48.571	0.0019	06	-59 37 46.84	0.011	06	0.14	48.563	14	45.7	46.89	14	45.7	K5	CD	6124	P -59 7453
47	9.8	9.6W	6 0.987	-0.0030	07	-54 14 26.21	-0.028	07	0.18	1.021	15	38.6	25.88	18	38.6	FD	C9	7599	P -54 9267
48	9.3	8.4W	6 9.537	-0.0012	15	-54 13 4.44	-0.031	15	0.24	9.551	15	38.6	4.08	18	38.6	G5	C9	7600	P*-54 9269
49	9.6	9.2W	6 10.097	0.0014	06	-54 23 5.50	-0.034	06	0.18	10.081	15	38.6	5.88	18	38.6	GD	C9	7601	P -54 9268
50	8.3E	7.9W	6 11.929	0.0020	12	-50 2 21.48	-0.053	12	0.69	11.838	45	05.4	19.12	45	05.4	FD	CZ	17982	P -5010977
51	9.1	8.6W	19 6 23.628	-0.0042	06	-58 10 14.23	0.014	06	0.14	23.646	14	45.7	14.29	14	45.7	GD	CD	6126	P -58 7588
52	10.3	9.2W	6 25.948	0.0039	09	-55 13 17.49	-0.029	09	0.20	25.903	15	38.6	17.17	18	38.6	G5	C9	7603	P -55 9009
53	8.8	7.5W	6 33.917	0.0001	06	-56 51 1.73	-0.010	06	0.14	33.917	14	45.7	1.69	14	45.7	K0	CD	6127	P -56 9102
54	9.1E	8.5Z	6 35.564	0.0006	12	-50 33 4.87	-0.036	12	0.63	35.536	31	03.4	3.20	28	03.4	A3	CZ	17984	P -5010979
55	10.5	10.1W	6 43.602	0.0068	09	-59 37 38.52	-0.029	09	0.15	43.573	14	45.7	38.39	14	45.7	GD	CD	6128	P -59 7457
56	9.0	7.9W	6 44.994	0.0014	06	-56 16 2.37	-0.022	06	0.14	44.988	14	45.7	2.28	14	45.7	K2	CD	6130	P -56 9105
57	10.1E	8.8Z	6 52.376	0.0000	12	-50 24 13.31	-0.009	12	0.69	52.374	45	05.4	12.92	45	05.4	K0	CZ	17987	P -5010980
58	9.8E	8.0Z	6 59.607	-0.0002	12	-50 25 22.74	-0.017	12	0.69	59.615	45	05.4	22.00	45	05.4	MA	CZ	17988	P -5010982
59		7.2T	7 12.323	0.0016	15	-56 23 22.25	0.018	13	0.64	12.252	18	08.9	23.09	19	03.9	K5	GC	26395	P -56 9109
60	9.6	8.9W	7 22.139	0.0028	13	-56 47 26.21	-0.004	13	0.15	22.127	14	45.7	26.19	14	45.7	GD	CD	6133	P*-56 9110
61	8.9	8.9W	7 22.556	0.0037	07	-55 0 31.94	0.011	07	0.18	22.513	15	38.6	32.07	18	38.6	A0	C9	7604	P -55 9015
62	9.7	8.9W	7 31.054	-0.0024	06	-52 2 13.75	0.046	06	0.18	31.081	15	38.6	14.28	18	38.6	G5	C9	7606	P -5211380
63	9.4	9.0W	7 46.003	0.0054	07	-53 24 21.13	-0.049	07	0.18	45.941	15	38.6	20.57	18	38.6	GD	C9	7607	P -53 9484
64	9.4	9.2W	8 0.174	-0.0033	15	-52 58 28.43	0.004	15	0.24	0.211	15	38.6	28.48	18	38.6	F5	C9	7608	P -53 9487
65	10.2	9.2W	8 3.287	-0.0023	09	-56 41 59.70	-0.002	09	0.15	3.297	14	45.7	59.69	14	45.7	G5	CD	6134	P -56 9114
66	9.6	9.1W	8 15.030	0.0059	11	-58 59 10.40	-0.002	11	0.15	15.004	14	45.7	10.39	14	45.7	F5	CD	6135	P -59 7460
67	9.3E	8.0Z	8 15.603	0.0010	12	-50 19 38.79	-0.036	12	0.69	15.557	45	05.4	37.19	45	05.4	K2	CZ	17998	P -5010986
68		8.6T	8 22.057	-0.0013	16	-51 53 45.10	-0.028	13	0.68	22.111	19	07.5	43.82	19	04.1	F8	GC	26417K	P -5211382
69	10.2E	9.4Z	8 22.859	0.0012	12	-50 57 22.73	-0.007	12	0.80	22.806	63	05.5	22.43	57	05.5		CZ	18002	P -5111149
70		7.0T	8 29.256	-0.0002	15	-51 53 22.10	-0.020	11	0.65	29.264	17	02.8	21.11	18	00.1	K2	GC	26418K	P -5211383
71	8.6	7.7W	8 29.922	-0.0009	06	-58 20 58.80	-0.072	06	0.14	29.926	14	45.7	58.49	14	45.7	G5	CD	6136	P -58 7591
72	9.0	8.7W	8 31.347	0.0033	06	-59 46 25.29	0.024	06	0.14	31.333	14	45.7	25.39	14	45.7	F8	CD	5800	P -59 7461
73	10.2	9.3W	8 44.364	-0.0005	09	-58 1 44.02	0.016	09	0.15	44.366	14	45.7	44.09	14	45.7	G5	CD	6138	P -58 7592
74	8.4	8.5W	8 50.390	0.0024	06	-55 46 0.73	-0.032	06	0.18	50.362	15	38.6	0.37	18	38.6	A2	C9	7611	P -55 9018
75	9.3	8.7W	8 54.411	-0.0009	06	-54 34 6.60	-0.000	06	0.18	54.421	15	38.6	6.59	18	38.6	G5	C9	7612	P -54 9276
76		6.2T	8 54.786	0.0044	15	-50 34 14.01	-0.041	10	0.68	54.573	22	01.4	11.78	21	94.9	K0	GC	26431	C -5012377
77	9.4	9.2W	9 7.673	0.0002	07	-54 35 17.19	0.036	07	0.18	7.671	15	38.6	17.59	18	38.6	A3	C9	7613	P -54 9279
78	9.7E	9.4Z	9 21.911	0.0007	12	-50 1 36.80	-0.013	12	0.69	21.878	45	05.4	36.23	45	05.4	A3	CZ	18014	P -5010999
79	8.9E	8.2Z	9 40.869	0.0000	12	-51 38 38.99	-0.013	12	0.65	40.868	31	02.5	38.36	31	02.5	F2	CZ	18017	P -5111160
80	8.2E	8.2Z	9 41.132	0.0009	12	-50 53 30.85	0.011	12	0.61	41.091	28	04.0	31.36	26	04.0	F2	CZ	18018	P -5111161
81	8.3	8.4W	9 43.908	0.0027	06	-57 42 47.50	-0.025	06	0.14	43.896	14	45.7	47.39	14	45.7	A0	CD	6139	P -57 9343
82	9.6	9.5W	9 47.678	0.0015	07	-52 37 51.63	-0.013	07	0.18	47.661	15	38.6	51.47	18	38.6	FD	C9	7614	P -5211387
83		7.3T	10 31.670	0.0097	11	-58 5 25.66	-0.235	07	0.49	31.148	18	02.7	12.95	17	96.0	GD	GC	26471	P -58 7594
84	10.2	8.9W	10 34.629	0.0006	08	-58 1 20.17	-0.042	08	0.14	34.626	14	45.7	19.99	14	45.7	K2	CD	6142	P -58 7595
85	9.6E	9.2Z	10 46.172	0.0010	12	-51 28 19.60	0.020	12	0.80	46.128	63	05.5	20.48	57	05.5		CZ	18034	P -5111165
86	10.5	9.7W	10 46.914	0.0023	09	-59 6 37.51	-0.004	09	0.15	46.904	14	45.7	37.49	14	45.7	G5	CD	6143	P -59 7465
87	9.6	9.7W	10 47.263	-0.0000	07	-55 26 36.66	-0.052	07	0.18	47.263	15	38.6	36.07	18	38.6	A2	C9	7617	P -55 9024
88	9.7	9.5W	10 58.030	-0.0010	07	-52 10 25.65	0.020	07	0.18	58.041	15	38.6	25.88	18	38.6	GD	C9	7620	P -5211396
89	10.1	9.7W	11 3.213	0.0002	09	-54 58 48.80	-0.053	09	0.20	3.211	15	38.6	48.19	18	38.6	F8	C9	7622	P -55 9025
90		9.5T	11 12.516	0.0030	20	-50 4 40.96	-0.079	22	0.95	12.383	24	06.3	37.58	26	07.0	K0	GC	26491	C -5012393
91		7.8T	11 13.444	-0.0061	12	-53 27 19.14	0.007	12	0.61	13.742	18	01.0	19.49	19	99.1	F5	GC	26492	P -53 9501
92	10.0	9.5W	11 14.821	0.0030	09	-56 8 30.80	-0.005	09	0.15	14.808	14	45.7	30.78	14	45.7	F8	CD	6144	P -56 9128
93	9.6	9.4W	11 24.821	-0.0016	07	-56 7 38.79	-0.025	07	0.14	24.828	14	45.7	38.68	14	45.7	F5	CD	6145	P -56 9129
94	9.2	9.0W	11 43.002	0.0027	07	-53 56 54.22	-0.099	07	0.18	42.971	15	38.6	53.08	18	38.6	F5	C9	7627	P -54 9295
95	10.3	10.2W	11 51.015	-0.0020	09	-59 48 24.77	-0.042	09	0.15	51.023	14	45.7	24.59	14	45.7	FD	CD	6146	P -59 7466
96	9.8E	9.5Z	12 13.357	0.0196	12	-50 16 50.87	-0.191	12	0.69	12.482	45	05.4	42.36	45	05.4	GD	CZ	18044	P -5011014
97	8.5E	8.0Z	12 14.653	0.0009	12	-50 43 37.32	-0.004	12	0.63	14.611	31	03.4	37.15	28	03.4	A0	CZ	18045	P -5011015
98	10.0E	9.5Z	12 23.120	0.0016	12	-51 37 10.89	0.006	12	0.80	23.048	63	05.5	11.15	57	05.5		CZ	18046	P -5111173
99	9.0	8.0W	12 24.168	-0.0003	08	-52 8 51.83	0.013	08	0.19	24.191	15	38.6	51.98	18	38.6	K2	C9	7628	P -5211403
00	8.1	8.2W	12 25.115	0.0001	07	-55 4 17.87	-0.009	07	0.18	25.113	15	38.6	17.77	18	38.6	A2	C9	7629	P -55 9029

246000			EPOCH 1950									ORIGINAL EPOCH							SOURCE		-50° 19H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	.001	° ′	″	″	.001	″	s	.01		″	.01					
1	9.5	9.2W	19 12	27.709	-0.0021	17	-56 27	48.79	-0.003	17	0.16	27.718	14	45.7	48.78	14	45.7	F5	C0	6147	P -56 9133
2	10.0	8.7W	12	40.263	-0.0007	07	-52 28	34.38	-0.018	07	0.18	40.271	15	38.6	34.18	18	38.6		C9	7630	P -5211404
3		6.9T	12	40.254	0.0002	13	-52 31	35.81	-0.035	12	0.65	40.243	18	02.8	34.04	19	99.8	K0	GC	26523	P -5211405
4	8.5	8.5W	12	41.791	0.0031	06	-56 25	53.01	0.015	06	0.14	41.778	14	45.7	53.08	14	45.7	A3	C0	6151	P -56 9134
5	9.1	8.7W	12	43.934	0.0015	06	-56 1	38.46	-0.043	06	0.14	43.928	14	45.7	38.28	14	45.7	G5	C0	6152	P -56 9135
6	10.0E	9.5Z	12	45.026	0.0004	12	-51 35	8.10	-0.042	12	0.80	45.007	63	05.5	6.22	57	05.5		CZ	18050	P -5111178
7	8.2E	8.0Z	12	56.499	0.0033	12	-50 4	32.78	-0.032	12	0.63	56.343	31	03.4	31.30	28	03.4	F0	CZ	18053	P -5011021
8	10.9	9.2W	12	56.527	-0.0039	09	-52 37	9.92	0.014	09	0.20	56.571	15	38.6	10.08	18	38.6	K2	C9	7633	P -5211406
9		7.8T	12	56.553	0.0044	13	-50 4	32.40	-0.029	12	0.67	56.327	18	99.1	30.87	18	96.6	F0	GC	26534K	C -5012407
10	11.7E	9.5Z	12	57.346	0.0047	12	-50 4	21.42	-0.022	12	0.69	57.134	45	05.4	20.44	45	05.4	F0	CZ	18054	P -5011021
11	9.5	8.4W	13	9.001	0.0030	06	-56 6	7.44	-0.015	06	0.14	8.988	14	45.7	7.38	14	45.7	K0	C0	6153	P -56 9136
12	9.7	9.5W	13	20.568	0.0027	06	-58 17	18.27	0.005	06	0.14	20.556	14	45.7	18.29	14	45.7	F0	C0	6154	P*-58 7600
13		7.9T	13	32.429	0.0010	15	-51 35	12.21	-0.020	12	0.65	32.383	18	05.6	11.22	18	00.2	K0	GC	26552	C -5112014
14	9.5	8.3W	13	49.802	-0.0043	08	-54 17	29.57	-0.034	08	0.19	49.851	15	38.6	29.18	18	38.6	K5	C9	7636	P -54 9311
15	10.0	8.8W	13	53.388	0.0014	07	-55 33	11.39	0.007	07	0.18	53.372	15	38.6	11.47	18	38.6	K0	C9	7637	P -55 9039
16	7.9	7.8W	14	1.644	0.0022	06	-58 57	52.72	-0.029	06	0.14	1.634	14	45.7	52.59	14	45.7	A3	C0	6156	P -59 7469
17		6.4T	14	10.551	-0.0011	14	-53 28	35.61	-0.062	11	0.65	10.601	21	03.3	32.45	19	99.2	F5	GC	26573	P -53 9513
18	9.1	8.0W	14	13.080	-0.0002	06	-55 32	5.02	-0.022	06	0.18	13.082	15	38.6	4.77	18	38.6	K0	C9	7640	P -55 9042
19		7.0T	14	33.711	-0.0030	11	-56 14	8.81	-0.011	08	0.53	33.864	18	97.5	8.19	17	93.0	B5	GC	26582K	P -56 9141
20	10.4	8.9W	14	46.878	-0.0038	09	-52 26	52.58	-0.018	09	0.20	46.921	15	38.6	52.38	18	38.6	K2	C9	7642	P -5211413
21	10.1E	9.3Z	14	47.612	0.0010	12	-50 42	9.48	-0.026	12	0.69	47.568	45	05.4	8.32	45	05.4	G5	CZ	18079	P -5011030
22	8.8	8.3W	14	59.528	0.0009	06	-58 48	46.71	-0.051	06	0.14	59.524	14	45.7	46.49	14	45.7	G0	C0	6160	P -58 7603
23	8.7	8.7W	15	22.273	-0.0002	06	-59 27	47.76	-0.016	06	0.14	22.274	14	45.7	47.69	14	45.7	F0	C0	6162	P -59 7471
24	10.0	9.2W	15	27.847	-0.0004	09	-54 49	34.14	-0.039	09	0.20	27.851	15	38.7	33.69	18	38.7	G5	C9	7644	P -54 9320
25	10.0	9.6W	15	29.497	0.0029	09	-59 14	58.87	-0.065	09	0.15	29.484	14	45.7	58.59	14	45.7	F2	C0	6163	P -59 7472
26	9.1	8.8W	15	30.183	-0.0035	13	-56 25	52.87	-0.091	13	0.15	30.198	14	45.7	52.48	14	45.7	F5	C0	6164	P -56 9145
27	9.5	8.5W	15	33.541	-0.0002	09	-55 25	4.07	-0.054	09	0.20	33.543	15	38.7	3.47	18	38.7	K0	C9	7645	P -55 9048
28		6.7T	15	43.960	0.0025	10	-51 39	52.41	-0.040	07	0.37	43.861	10	11.0	50.73	10	07.9	A0	GC	26618K	C*-5112029
29	8.7	8.6W	15	44.541	-0.0012	13	-58 4	19.91	-0.005	13	0.15	44.546	14	45.7	19.89	14	45.7	A2	C0	6165	P -58 7604
30	9.6E	8.5Z	15	49.374	0.0020	12	-50 26	7.01	-0.015	12	0.61	49.280	28	03.7	6.33	26	03.7	K2	CZ	18088	P -5011035
31	10.0E	9.4Z	15	49.484	-0.0010	12	-51 32	20.87	-0.012	12	0.70	49.528	45	05.0	20.32	45	05.0		CZ	18087	P -5111196
32	9.2	8.3W	15	55.633	0.0028	07	-54 33	4.42	-0.046	07	0.18	55.601	15	38.7	3.89	18	38.7	G5	C9	7646	P -54 9321
33	10.5		16	2.563	-0.0007	11	-51 52	36.32	-0.030	11	0.21	2.571	15	38.7	35.98	18	38.7	F0	C9	7647	P*-5211415
34	9.2	8.6W	16	12.265	-0.0204	07	-59 44	20.01	-0.120	07	0.14	12.353	14	45.7	19.49	14	45.7	G0	C0	5843	P -59 7473
35	10.1	9.5W	16	35.685	-0.0058	15	-52 39	0.31	-0.065	15	0.24	35.751	15	38.7	59.58	18	38.7	G5	C9	7648	P -5211417
36	9.9	9.3W	16	44.343	-0.0051	15	-52 40	8.52	-0.066	15	0.24	44.401	15	38.7	7.78	18	38.7	G3	C9	7649	P -5211418
37	10.1	9.8W	16	56.784	0.0024	06	-59 17	38.80	-0.025	06	0.14	56.774	14	45.7	38.69	14	45.7	F0	C0	6169	P -59 7475
38	9.7E	9.0Z	17	2.673	0.0023	12	-51 8	53.21	0.020	12	0.81	2.569	63	04.6	54.13	57	04.6		CZ	18097	P -5111202
39	9.7E	9.0Z	17	3.880	0.0014	12	-51 8	39.66	0.017	12	0.81	3.816	63	04.6	40.44	57	04.6	F5	CZ	18100	P -5111203
40		7.7T	17	8.549	0.0115	14	-52 49	4.31	0.070	12	0.68	8.007	21	02.9	7.83	19	99.5	G0	GC	26646	P -5211419
41	9.5	8.3W	17	11.799	0.0003	06	-56 3	51.06	0.006	06	0.14	11.798	14	45.7	51.08	14	45.7	K0	C0	6171	P -56 9150
42	10.0E	9.7Z	17	13.132	0.0016	12	-50 55	36.76	0.007	12	0.81	13.059	63	04.6	37.08	57	04.6		CZ	18102	P -5111206
43	8.3	8.2W	17	20.812	0.0019	06	-54 40	37.11	0.008	06	0.18	20.791	15	38.7	37.19	18	38.7	A5	C9	7654	P -54 9330
44	9.8	9.3W	17	27.778	-0.0020	07	-52 3	36.73	-0.031	07	0.18	27.801	15	38.7	36.38	18	38.7	G0	C9	7655	P -5211421
45	8.6	7.7W	17	29.922	0.0008	08	-55 28	20.81	-0.004	08	0.19	29.913	15	38.7	20.77	18	38.7	G5	C9	7656	P -55 9060
46	8.5	7.3W	17	40.575	-0.0005	07	-54 16	44.50	-0.134	07	0.18	40.581	15	38.7	42.98	18	38.7	K2	C9	7657	P -54 9331
47	10.3E	9.5Z	17	42.752	-0.0014	12	-50 13	35.85	-0.024	12	0.70	42.813	45	05.0	34.77	45	05.0	F5	CZ	18112	P -5011043
48	8.9	8.0W	18	5.639	-0.0012	08	-55 45	33.04	-0.015	08	0.19	5.652	15	38.7	32.87	18	38.7	G5	C9	7658	P -55 9062
49	9.3	9.2W	18	6.515	0.0021	07	-53 34	5.39	-0.044	07	0.18	6.491	15	38.7	4.89	18	38.7	A5	C9	7659	P -53 9530
50	9.9	9.6W	18	8.005	0.0019	07	-56 39	33.41	-0.026	07	0.14	7.997	14	45.7	33.29	14	45.7	F0	C0	6173	P -56 9153
51	9.0	9.0W	19 18	42.356	0.0042	07	-56 29	2.52	-0.055	07	0.14	42.338	14	45.7	2.28	14	45.7	A2	C0	6177	P -56 9157
52	9.5	8.5W	18	45.076	0.0004	08	-54 42	40.35	-0.031	08	0.19	45.071	15	38.7	39.99	18	38.7	K0	C9	7660	P -54 9337
53		6.5T	18	45.188	0.0055	13	-51 19	37.64	-0.002	08	0.60	44.914	17	00.3	37.55	18	93.5	F0	GC	26691	C -5112054
54	8.6E	8.5Z	18	47.611	0.0027	12	-50 53	57.54	-0.033	12	0.70	47.489	45	05.0	56.06	45	05.0	K0	CZ	18121	P -5111216
55		5.2T	18	49.411	0.0021	08	-54 31	7.69	-0.069	06	0.34	49.324	15	08.9	4.47	14	03.5	A0	GC	26696	P*-54 9339
56		7.2T	18	56.842	0.0028	17	-54 37	59.25	-0.080	13	0.74	56.713	21	04.7	55.29	19	00.6	F5	GC	26701	P*-54 9341
57	9.5	9.2W	18	59.407	0.0002	09	-58 6	37.99	0.048	09	0.15	59.406	14	45.7	38.19	14	45.7	F8	C0	6179	P -58 7609
58	9.2	9.0W	19	4.805	-0.0032	15	-53 45	4.14	0.022	15	0.24	4.841	15	38.7	4.38	18	38.7	F8	C9	7663	P -53 9537
59		8.5T	19	15.021	0.0004	12	-50 20	22.19	-0.001	11	0.64	14.999	22	00.7	22.16	22	98.0	K5	GC	26706	C -5012451
60	9.3E	8.8*	19	21.956	-0.0079	12	-50 8	50.54	-0.201	12	0.63	22.324	31	03.1	41.12	28	03.1	F8	CZ	18128	P -5011050
61	10.3	9.3W	19	23.870	0.0007	08	-57 25	46.58	-0.019	08	0.14	23.867	14	45.7	46.49	14	45.7	G5	C0	6181	P -57 9380
62	9.2E	9.0Z	19	29.980	0.0037	12	-50 47	4.82	-0.085	12	0.63	29.807	31	03.2	0.85	28	03.2	G0	CZ	18129	P -5011051
63	10.3	9.9W	19	31.832	0.0020	06	-59 39	28.12	-0.029	06	0.14	31.823	14	45.7	27.99	14	45.7	F2	C0	6183	P -59 7476
64		7.5T	19	32.561	0.0107	15	-56 1	53.76	-0.059	11	0.66	32.020	21	04.4	50.77	19	99.2	F2	GC	26716	P -56 9160
65		6.7T	19	36.827	0.0015	12	-54 2	35.89	-0.015	09	0.57	36.756	21	02.2	35.06	19	95.0	K0	GC	26719	P -54 9344
66	10.2	8.8W	19	42.438	0.0012	09	-59 35	24.75	-0.014	09	0.15	42.433	14	45.7	24.69	14	45.7	K0	C0	6187	P -59 7478
67	9.0	8.5W	20	4.114	0.0073	07	-53 25	19.45	-0.166	07	0.18	4.031	15	38.7	17.57	18	38.7	G0	C9	7667	P -53 9544
68	9.6	9.0W	20	7.852	-0.0011	07	-57 43	19.70	-0.024	07	0.14	7.856	14	45.7	19.59	14	45.7	G0	C0	6188	P -57 9383
69	10.0E	9.6Z	20	8.793	0.0013	12	-51 26	10.26	-0.018	12	0.81	8.735	63	04.6	9.43	57	04.6		CZ	18139	P -5111223
70		7.8T	20	19.974	0.0012	14	-55 59	10.92	-0.029	10	0.62	19.916	21	04.1	9:46	19	99.3	B8	GC	26730	P -56 9164
71	9.7	9.5W	20	27.961	0.0035	06	-57 35	33.37	-0.019	06	0.14	27.946	14	45.7	33.29	14	45.7	F5	C0	6190	P -57 9385
72	9.3	9.0W	20	28.090	-0.0001	15	-52 51	53.90	-0.002	15	0.24	28.091	15	38.7	53.88	18	38.7	F0	C9	7671	P -53 9546
73	9.0	8.7W	20	40.981	0.0000	07	-53 28	42.52	-0.039	07	0.18	40.981	15	38.7	42.08	18	38.7	F5	C9	7672	P -53 9547
74	8.9	8.0W	20	49.763	0.0010	07	-51 53	19.73	-0.022	07	0.18	49.751	15	38.7	19.48	18	38.7	K0	C9	7673	P -5211434
75		7.7T	20	55.335	0.0015	16	-55 12	18.18	-0.001	12	0.68	55.261	21	05.5	18.14	19	00.1	F0	GC	26754	P -55 9073
76	10.4	9.4W	20	56.139	0.0029	09	-58 28	14.90	0.020	09	0.15	56.126	14	45.7	14.99	14	45.7	G5	C0	6193	P -58 7610
77	9.8	9.1W	20	57.814	0.0011	07	-51 54	23.88	0.000	07	0.18	57.801	15	38.7	23.88	18	38.7	G5	C9	7675	P -5211435
78	8.5	8.1W	20	59.332	0.0012	06	-57 4	54.58	-0.021	06	0.14	59.327	14	45.7	54.49	14	45.7	F2	C0	6194	P -57 9390
79	9.4	9.0W	21	0.000	0.0017	07	-54 36	19.36	-0.068	07	0.18	-59.981	15	38.7	18.59	18	38.7	G0	C9	7676	P -54 9350
80		8.0T	21	2.337	0.0096	16	-56 16	48.15	-0.029	12	0.71	1.862	21	04.0	46.71	19	00.3	K0	GC	26757	P -56 9172
81	10.0	9.7W	21	3.833	0.0037	09	-54 26	33.40	-0.028	09	0.20	3.791	15	38.7	33.08	18	38.7	F5	C9	7677	P -54 9351
82	9.9	8.5W	21	5.930	0.0030	07	-57 28	28.88	-0.020	07	0.14	5.917	14	45.7	28.79	14	45.7	K0	C0	6196	P -57 9391
83	9.6	8.6W	21	7.339	0.0007	07	-52 13	37.20	-0.011	07	0.18	7.331	15	38.7	37.08	18	38.7	K2	C9	7678	P -5211437
84		9.3T	21	14.565	-0.0006	26	-51 31	46.31	-0.058	26	1.17	14.590	21	04.9	43.70	21	04.9	G0	GC	26761K	C*-5112076
85		7.0T	21	18.533	-0.0013	12	-51 11	56.14	0.001	11	0.64	18.599	22	99.3	56.22	21	96.9	M0	GC	26762	C -5112077
86	8.7	8.5W	21	23.045	-0.0004	07	-56 50	50.99	0.024	07	0.14	23.047	14	45.7	51.09	14	45.7	A2	C0	6197	P -56 9173
87	9.9	9.6W	21	27.704	0.0038	08	-57 14	28.69	-0.022	08	0.14	27.687	14	45.7	28.59	14	45.7	F5	C0	6198	P -57 9392
88	9.7	9.0W	21	29.007	-0.0138	06	-58 29	12.37	0.029	06	0.14	29.066	14	45.7	12.49	14	45.7	G5	C0	6199	P -58 7611
89	9.5	8.0W	21	32.807	0.0029	07	-58 48	35.13	0.014	07	0.14	32.794	14	45.7	35.19	14	45.7	K0	C0	6200	P -58 7612
90	9.4	9.4W	21	36.473	-0.0025	15	-54 3	39.95	0.003	15	0.24	36.501	15	38.7	39.98	18	38.7	A3	C9	7681	P -54 9356
91	9.8	9.6W	21	36.520	0.0031	07	-56 51	52.36	0.007	07	0.14	36.507	14	45.7	52.39	14	45.7	F5	C0	6201	P -57 9393
92	10.1	9.4W	21	36.985	0.0003	07	-52 12	47.25	-0.006	07	0.18	36.981	15	38.7	47.18	18	38.7	G5	C9	7682	P -5211439
93		10.1T	21	37.811	0.0006	13	-50 36	42.66	-0.012	10	0.63	37.782	22	01.0	42.03	21	95.8	G5	GC	26771	C -5012472
94	8.7	8.3W	21	44.457	0.0022	06	-56 3	26.10	-0.074	06	0.14	44.448	14	45.7	25.78	14	45.7	F8	C0	6202	P -56 9174
95	8.7	8.4W	21	53.833	-0.0016	08	-54 11	23.98	-0.052	08	0.19	53.851	15	38.7	23.39	18	38.7	F2	C9	7685	P -54 9359
96	9.1	8.9W	22	12.427	-0.0021	07	-52 4	15.73	0.004	07	0.18	12.451	15	38.7	15.78	18	38.7	F0	C9	7687	P -5211443
97		7.4T	22	14.133	0.0024	16	-55 28	28.78	-0.007	12	0.68	14.017	21	05.4	28.45	19	01.2	K0	GC	26790	P -55 9079
98	8.5	7.5W	22	19.032	-0.0017	08	-54 57	45.95	-0.031	08	0.19	19.051	15	38.7	45.59	18	38.7	K0	C9	7691	P -55 9080
99	9.4	7.6W	22	24.925	0.0041	06	-57 1	19.57	0.005	06	0.14	24.907	14	45.7	19.59	14	45.7	MA	C0	6203	P -57 9397
00	10.7	9.3W	22	25.659	-0.0002	09	-52 34	17.42	-0.039	09	0.20	25.661	15	38.7	16.98	18	38.7	K	C9	7692	P -5211444

246100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950}	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 19H DM NUMBER
1	9.9	9.1W	19 22 34.956	-0.0022	07	-52 32 8.94	-0.041	07	0.18	34.981	15	38.7	8.47	18	38.7	G5 O	C9	7693	P#-5211447
2	10.3E	9.0W	22 55.913	0.0001	12	-50 11 50.05	-0.017	12	0.63	55.907	31	03.1	49.26	28	03.1	G5	CZ	18163	P -5011076
3	10.0	8.3W	23 3.839	0.0026	07	-56 35 59.34	-0.011	07	0.14	3.827	14	45.7	59.29	14	45.7	K2	CD	6207	P -56 9182
4	8.8	8.2W	23 23.826	-0.0005	06	-56 2 6.31	-0.006	06	0.14	23.828	14	45.7	6.28	14	45.7	A5	CD	6210	P -56 9185
5	9.3E	9.0Z	23 24.169	0.0010	12	-51 33 47.43	-0.018	12	0.65	24.120	31	02.1	46.56	31	02.1	K0	CZ	18167	P -5111243
6	7.7	7.8W	23 26.209	-0.0004	06	-55 4 1.25	-0.016	06	0.18	26.294	15	38.7	1.07	18	38.7	A0	C9	7696	P -55 9083
7	8.1	7.8W	23 30.935	0.0012	07	-52 41 58.10	-0.055	07	0.18	30.921	15	38.7	57.48	18	38.7	A0	C9	7697	P -5211449
8	8.8	8.3W	23 40.084	0.0029	07	-54 26 5.41	-0.223	07	0.18	40.061	15	38.7	2.89	18	38.7	G0	C9	7698	P -54 9369
9	9.4	9.1W	23 45.843	-0.0060	15	-52 52 39.85	-0.024	15	0.24	45.311	15	38.7	39.57	18	38.7	A2	C9	7699	P -53 9562
10		5.6M	23 47.575	0.0000	04	-54 25 37.83	0.016	04	0.15	47.573	07	16.3	38.41	07	13.5	K2	F4	1504	P -54 9371
11	9.8	8.8W	23 50.851	0.0084	07	-55 11 1.36	0.001	07	0.18	50.824	15	38.7	1.37	18	38.7	K0	C9	7701	P -55 9087
12	10.8	10.3W	24 33.388	0.0030	13	-57 37 19.10	-0.025	13	0.15	33.376	14	45.7	18.99	14	45.7	G0 O	C0	6211	P -57 9404
13		7.9T	24 36.318	0.0028	17	-56 11 58.15	0.001	12	0.70	36.183	21	05.7	58.21	19	01.1	G5	GC	26853	P -56 9187
14	9.6	9.4W	24 39.655	0.0020	07	-57 37 7.52	-0.029	07	0.14	39.646	14	45.7	7.39	14	45.7	F0	C0	6213	P -57 9405
15	10.6	9.7W	24 49.928	0.0011	09	-59 42 31.35	-0.036	09	0.15	49.923	14	45.7	31.19	14	45.7	G5	C0	6214	P -59 7482
16	9.1	8.9W	25 11.918	0.0015	15	-54 3 4.67	-0.043	15	0.24	11.901	15	38.7	4.18	18	38.7	F5	C9	7702	P -54 9376
17	8.9	8.5W	25 14.354	-0.0006	07	-53 11 55.57	-0.097	07	0.18	14.361	15	38.7	54.48	18	38.7	F8	C9	7703	P#-53 9568
18	10.1	9.1W	25 17.498	-0.0044	13	-56 39 42.82	-0.029	13	0.15	17.517	14	45.7	42.69	14	45.7	G5	C0	6217	P -56 9189
19	10.5	10.1W	25 28.202	0.0105	09	-58 5 48.56	0.077	09	0.15	28.156	14	45.7	48.89	14	45.7	G0	C0	6218	P -58 7616
20	9.1	8.3W	25 34.130	0.0026	07	-54 53 11.21	-0.010	07	0.18	34.101	15	38.7	11.09	18	38.7	K0	C9	7704	P -55 9093
21	10.3	9.9W	25 38.334	0.0010	09	-55 35 26.18	-0.028	09	0.20	38.322	15	38.7	25.87	18	38.7	F5	C9	7705	P -55 9094
22	9.8	9.0W	25 42.749	-0.0011	07	-52 43 39.78	-0.000	07	0.18	42.761	15	38.7	39.78	18	38.7	G5	C9	7707	P -5211455
23	9.9	8.4W	25 44.451	-0.0035	06	-58 2 33.96	-0.016	06	0.14	44.466	14	45.7	33.89	14	45.7	K0	C0	6221	P -58 7617
24	9.9E	8.5Z	25 48.465	0.0009	12	-50 15 19.76	-0.004	12	0.70	48.423	45	05.0	19.58	45	05.0	K5	CZ	18202	P -5011086
25		6.2T	25 48.534	0.0032	11	-55 32 41.29	-0.054	09	0.42	48.401	14	11.4	39.01	14	07.7	K0	GC	26883	P -55 9096
26	7.6	7.8W	26 3.337	0.0005	07	-53 43 21.79	-0.018	07	0.18	3.331	15	38.7	21.59	18	38.7	A0	C9	7709	P -53 9571
27	8.2E	8.0Z	26 7.021	-0.0022	12	-50 22 28.64	0.006	12	0.63	7.122	31	03.2	28.92	28	03.2	F5	CZ	18207	P -5011099
28		8.9T	26 15.470	-0.0015	09	-50 52 15.52	-0.010	08	0.40	15.531	15	09.0	15.07	15	07.3	K5	GC	26895	C -5112118
29		8.1T	26 22.403	0.0035	14	-59 19 34.12	-0.011	10	0.55	22.247	17	09.1	33.64	15	04.9	B9	GC	26898	P -59 7484
30		9.8Q	26 24.210	0.0051	20	-51 5 16.96	-0.022	20	1.10	23.944	36	97.8	15.75	34	96.2	G5	GC	26899	C -5112120
31		6.4T	26 31.603	0.0043	06	-55 12 53.33	-0.012	05	0.28	31.384	12	04.9	52.72	10	98.6	F5	GC	26902	P#-55 9100
32		9.2T	26 33.365	-0.0015	20	-51 26 3.61	-0.027	20	0.91	33.431	24	05.5	2.38	24	05.1	K5	GC	26903	C -5112121
33	10.1E	8.8Z	26 36.753	0.0075	12	-50 0 15.47	-0.073	12	0.70	36.414	45	05.0	12.19	45	05.0	G5	CZ	18212	P -5011105
34	10.2	9.9W	26 55.842	-0.0001	09	-55 2 8.18	-0.028	09	0.20	55.843	15	38.7	7.87	18	38.7	K2	C9	7713	P -55 9105
35	10.4	9.2W	26 57.164	0.0017	08	-57 30 8.39	-0.023	08	0.14	57.156	14	45.7	8.29	14	45.7	K0	C0	6223	P -57 9410
36	10.8E	9.3Y	27 12.214	-0.0021	12	-51 38 22.26	-0.003	12	0.65	12.313	31	02.0	22.10	31	02.0		CZ	18219	P -5111260
37	10.0	9.6W	27 15.207	0.0053	07	-59 20 56.53	-0.032	07	0.14	15.184	14	45.7	56.39	14	45.7	F8	C0	6224	P#-59 7486
38	10.5	9.8W	27 19.212	0.0011	09	-57 16 50.48	-0.067	09	0.15	19.207	14	45.7	50.19	14	45.7	G7 O	C0	6225	P -57 9413
39	10.7	9.3W	27 28.208	0.0014	09	-55 42 56.28	-0.019	09	0.20	34.012	15	38.7	56.07	18	38.7	K2	C9	7718	P -55 9106
40	10.4	9.2W	27 34.210	-0.0003	09	-55 5 14.81	-0.030	09	0.20	34.213	15	38.7	14.47	18	38.7	K0	C9	7719	P -55 9107
41	8.4	8.0W	27 39.542	0.0018	06	-53 21 46.74	-0.076	06	0.18	39.521	15	38.7	45.88	18	38.7	F5	C9	7720	P -53 9577
42	9.5	8.3W	27 54.700	-0.0010	07	-53 27 59.35	-0.024	07	0.18	54.711	15	38.7	59.08	18	38.7	K2	C9	7722	P -53 9579
43		7.0T	27 57.709	-0.0009	15	-54 16 16.75	0.011	10	0.65	57.751	21	03.4	17.32	19	97.5	M8	GC	26934	P -54 9391
44	9.2	9.2W	27 59.957	-0.0030	15	-52 59 39.42	0.008	15	0.24	59.991	15	38.7	39.48	18	38.7	A0	C9	7724	P -53 9580
45	9.0	9.4W	28 12.083	-0.0025	08	-54 47 18.02	-0.002	08	0.19	12.111	15	38.7	17.99	18	38.7	B9	C9	7726	P -54 9393
46	9.2	8.8W	28 15.329	-0.0073	15	-53 9 2.55	-0.042	15	0.24	15.411	15	38.7	2.08	18	38.7	F8	C9	7727	P -53 9582
47	10.5	9.2W	28 38.809	0.0029	09	-58 7 46.72	-0.007	09	0.15	38.796	14	45.7	46.69	14	45.7	K0	C0	6232	P -58 7619
48	9.6	9.2W	28 40.698	-0.0083	06	-59 14 2.55	-0.013	06	0.14	40.734	14	45.7	2.49	14	45.7	F8	C0	6233	P -59 7488
49	9.9	8.4W	28 41.915	-0.0002	09	-57 43 47.91	-0.026	09	0.15	41.916	14	45.7	47.75	14	45.7	K2	C0	6234	P -57 9421
50	9.6	9.2W	28 46.515	0.0051	07	-59 44 33.95	-0.013	07	0.14	46.493	14	45.7	33.89	14	45.7	F5	C0	5894	P -59 7489
51		5.9T	19 28 57.326	0.0036	07	-53 17 35.33	-0.010	05	0.28	57.180	12	09.6	34.86	12	03.3	A5	GC	26959	P -53 9585
52	9.1	9.1W	28 59.701	-0.0018	15	-53 48 19.77	-0.034	15	0.24	59.721	15	38.7	19.38	18	38.7	A2	C9	7731	P -53 9586
53	8.9E	8.5Z	29 6.008	0.0009	12	-50 7 55.34	-0.024	12	0.67	5.969	45	08.1	54.34	45	08.1	A0	CZ	18236	P -5011111
54	9.2	8.7W	29 7.511	0.0115	06	-54 38 20.41	-0.098	06	0.18	7.381	15	38.7	19.29	18	38.7	G0	C9	7732	P -54 9398
55	10.1	9.2W	29 8.596	-0.0000	08	-58 3 48.76	0.009	08	0.14	8.596	14	45.7	48.79	14	45.7	G5	C0	6236	P -58 7620
56	10.2	9.8W	29 9.032	0.0041	11	-58 58 33.28	-0.043	11	0.15	9.014	14	45.7	33.09	14	45.7	G0	C0	6237	P -59 7490
57	8.8	8.7W	29 27.728	-0.0020	07	-53 35 46.22	-0.047	07	0.18	27.751	15	38.7	45.69	18	38.7	A5	C9	7734	P -53 9589
58	10.1	9.9W	29 41.346	0.0022	07	-58 27 13.50	-0.024	07	0.14	41.336	14	45.7	13.39	14	45.7	F5	C0	6238	P -58 7621
59	9.3	8.1W	29 44.020	0.0005	06	-56 17 45.59	-0.003	06	0.14	44.018	14	45.7	45.58	14	45.7	G5	C0	6239	P -56 9209
60	10.5	9.4W	29 50.120	0.0027	07	-56 27 31.75	-0.016	07	0.14	50.108	14	45.7	31.68	14	45.7	G5	C0	6240	P -56 9210
61	9.6	9.2W	29 52.115	0.0020	06	-58 27 18.91	-0.004	06	0.14	52.106	14	45.7	18.89	14	45.7	F8	C0	6241	P -58 7622
62		7.0T	30 0.365	0.0032	17	-56 12 30.83	-0.033	12	0.72	0.204	22	04.3	29.14	19	99.1	G5	GC	26991	P -56 9212
63	10.4	10.3W	30 3.650	0.0052	11	-59 5 49.00	-0.018	11	0.15	3.628	14	45.7	48.92	14	45.7	F5	C0	6243	P -59 7491
64	7.9	8.0W	30 11.576	0.0035	06	-56 31 35.65	-0.007	06	0.14	11.560	14	45.7	35.62	14	45.7	A3	C0	6244	P -56 9213
65	8.9E	8.5Z	30 11.987	0.0002	12	-50 51 40.15	0.021	12	0.67	11.979	45	08.1	41.04	45	08.1	A0	CZ	18241	P -5111272
66	8.8	7.9W	30 20.990	-0.0011	08	-54 38 38.01	0.027	08	0.19	21.003	15	38.7	38.31	18	38.7	G5	C9	7736	P -54 9405
67		7.8T	30 24.887	0.0015	16	-50 40 27.60	-0.023	16	0.80	24.813	19	01.4	26.47	19	01.0	K2	GC	26998	C -5012554
68	9.1	7.9W	30 34.850	-0.0029	07	-52 22 45.92	0.042	07	0.18	34.883	15	38.7	46.40	18	38.7	K2	C9	7737	P -5211475
69		10.1T	30 40.782	0.0005	11	-51 23 23.72	-0.005	11	0.61	40.755	19	98.4	23.46	19	98.6	A0	GC	27005	C -5112149
70	9.9	9.7W	30 55.826	-0.0050	15	-52 4 27.66	0.056	15	0.24	55.883	15	38.7	28.30	18	38.7	F8 O	C9	7738	P -5211476
71	9.2E	8.6Z	30 59.241	-0.0009	12	-50 34 36.00	-0.017	12	0.76	59.277	63	10.7	35.34	57	10.7	A0	CZ	18249	P -5111276
72	8.1	7.8W	31 8.369	0.0041	07	-53 37 51.22	-0.010	07	0.18	8.323	15	38.7	51.10	18	38.7	F0	C9	7740	P -53 9596
73		8.0T	31 15.310	-0.0020	18	-50 14 3.93	0.007	14	0.84	15.406	24	02.5	4.29	21	98.2	A0	GC	27017	C -5012563
74	10.3	9.3W	31 31.186	0.0012	09	-56 46 34.82	-0.046	09	0.15	31.180	14	45.7	34.62	14	45.7	K0	C0	6248	P -56 9217
75	9.4	8.2W	31 34.850	0.0006	06	-53 13 47.00	-0.009	06	0.18	34.843	15	38.7	46.89	18	38.7	K2	C9	7742	P -53 9600
76	9.6E	8.0Z	31 49.125	0.0005	12	-50 14 43.40	-0.028	12	0.61	49.101	31	05.2	42.15	28	05.2	K2	CZ	18257	P -5011127
77	9.1	8.9W	32 1.913	-0.0019	13	-55 54 12.62	-0.026	13	0.15	1.921	14	45.7	12.51	14	45.7	F0	C0	6249	P -56 9220
78		6.7T	32 1.911	-0.0017	16	-53 7 6.34	-0.050	11	0.71	1.990	18	02.0	3.73	18	97.4	M8	GC	27040	P -53 9602
79	10.0	9.3W	32 11.508	-0.0007	09	-56 53 21.08	-0.075	09	0.15	11.510	14	45.7	20.72	14	45.7	G5	C0	6250	P -57 9431
80	9.0	8.7W	32 52.639	0.0018	07	-56 11 50.02	-0.026	07	0.14	52.631	14	45.7	49.91	14	45.7	F0	C0	6253	P -56 9226
81	9.3	9.4W	32 56.679	0.0011	07	-55 11 33.55	0.004	07	0.18	56.666	15	38.7	33.60	18	38.7	A3	C9	7747	P -55 9129
82	9.8E	9.0Z	32 58.554	-0.0017	12	-51 11 39.12	-0.041	12	0.76	58.621	63	10.7	37.52	57	10.7	G0	CZ	18271	P -5111287
83	9.3	7.9W	33 4.613	0.0036	06	-54 51 11.55	0.006	06	0.18	4.573	15	38.7	11.61	18	38.7	K2	C9	7748	P -55 9132
84		8.0T	33 12.100	-0.0011	17	-54 15 56.34	-0.039	12	0.71	12.149	22	05.1	54.41	19	00.2	G5	GC	27077	P -54 9418
85	9.6	8.5W	33 50.360	0.0022	07	-57 11 55.22	-0.047	07	0.14	50.350	14	45.7	55.02	14	45.7	K0	C0	6258	P -57 9438
86	10.4	9.1W	33 54.161	0.0048	07	-57 31 41.11	-0.021	07	0.14	54.140	14	45.7	41.02	14	45.7	K0	C0	6259	P -57 9439
87		9.9T	34 0.337	0.0114	11	-51 33 22.14	-0.039	10	0.57	-59.744	18	97.8	20.01	18	95.9	G0	GC	27098	C -5112177
88		8.2T	34 14.210	0.0042	08	-58 5 45.52	-0.054	08	0.43	13.988	17	02.7	42.68	17	97.3	G5	GC	27108	P -58 7627
89	8.6E	8.5Z	34 15.580	0.0009	12	-50 43 55.12	-0.016	12	0.61	15.539	31	05.1	54.42	28	05.1	A3	CZ	18287	P -5011137
90	9.8E	9.0Z	34 23.078	-0.0005	12	-50 34 22.03	0.020	12	0.67	23.098	45	08.0	22.88	45	08.0	K0	CZ	18289	P -5011138
91	9.9	9.7W	34 26.023	0.0002	07	-54 54 28.98	0.012	07	0.18	26.023	15	38.7	29.11	18	38.7	F5	C9	7751	P -55 9138
92	10.1	9.8W	34 31.789	-0.0003	08	-54 15 41.92	-0.001	08	0.19	31.793	15	38.7	41.90	18	38.7	F5 O	C9	7752	P -54 9425
93	10.3	9.4W	34 36.337	-0.0014	09	-54 43 32.77	-0.031	09	0.20	36.353	15	38.7	32.41	18	38.7	G5	C9	7753	P -54 9426
94	10.1	10.0W	34 40.498	-0.0014	13	-59 27 11.20	0.004	13	0.15	40.492	14	45.7	11.22	14	45.7	F0	C0	6262	P -59 7495
95	9.9	9.5W	34 45.103	-0.0086	09	-58 6 51.93	-0.002	09	0.15	45.140	14	45.7	51.92	14	45.7	G0	C0	6263	P -58 7630
96	10.1E	9.4Z	34 51.490	0.0011	12	-51 7 8.50	-0.015	12	0.76	51.446	63	10.7	7.92	57	10.7	A0	CZ	18293	P -5111299
97	9.2	8.9W	34 59.804	0.0016	11	-59 58 20.68	-0.015	11	0.15	59.797	14	45.7	20.62	14	45.7	F8	C0	6264	P -60 7306
98	10.2E	9.0Z	35 7.513	0.0001	12	-50 29 29.34	0.001	12	0.67	7.509	45	08.0	29.41	45	08.0	G5	CZ	18297	P -5011140
99	8.4	8.3W	35 13.213	0.0028	06	-56 25 41.31	-0.022	06	0.14	13.201	14	45.7	41.21	14	45.7	F0	C0	6266	P -56 9238
00		7.4T	35 20.411	0.0061	12	-58 20 48.75	0.011	10	0.52	20.127	17	07.5	49.27	15	03.5	F0	GC	27151	P -58 7633

246200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-50° 19H DM NUMBER
1		7.6T	19 35 38.609	-0.0028	16	-58 16 6.22	-0.031	12	0.66	38.736	19	06.5	7.64	18	04.5	G5	GC	27155	P -58 7636
2	10.2	8.7W	35 57.400	-0.0002	09	-53 25 30.80	-0.018	09	0.20	57.403	15	38.7	30.59	18	38.7	K5	C9	7757	P -53 9625
3		7.3T	36 16.327	-0.0027	17	-50 3 51.98	-0.018	13	0.77	16.457	19	02.1	51.05	18	98.5	K2	GC	27175	C*-5012607
4		6.3T	36 19.131	0.0048	12	-54 31 59.93	-0.006	10	0.59	18.899	21	02.0	59.63	19	97.0	K0	GC	27177	P -54 9438
5	10.1	8.5W	36 21.288	0.0024	09	-58 35 8.64	-0.005	09	0.15	21.278	14	45.7	8.62	14	45.7	K2	C0	6270	P -58 7637
6	9.0	9.0W	36 31.217	-0.0014	07	-52 51 6.94	-0.022	07	0.18	31.233	15	38.7	6.69	18	38.7	A0	C9	7759	P -53 9629
7		7.0T	36 40.581	-0.0027	13	-58 23 8.11	-0.019	10	0.55	40.709	18	05.7	7.21	17	02.1	K0	GC	27184	P -58 7639
8		6.9T	36 43.777	0.0001	10	-54 19 35.45	-0.022	09	0.54	43.772	21	99.7	34.27	18	95.9	A3	GC	27186	P -54 9443
9		7.8T	36 50.332	0.0041	10	-51 39 55.18	-0.047	10	0.58	50.116	21	96.8	52.57	21	94.9	K2	GC	27190	C -5112195
10	10.0	8.8W	36 59.755	-0.0051	15	-53 23 33.01	-0.001	15	0.24	59.813	15	38.7	33.00	18	38.7	K2	C9	7761	P -53 9632
11	9.6	9.3W	37 10.726	0.0014	07	-58 22 49.28	0.009	07	0.14	10.720	14	45.7	49.32	14	45.7	F8	C0	6275	P -58 7640
12	9.0	8.9W	37 11.326	-0.0050	15	-51 54 16.50	0.018	15	0.24	11.383	15	38.7	16.70	18	38.7	A2	C9	7763	P -5211498
13	9.9	8.9W	37 13.915	-0.0177	09	-56 26 16.98	-0.086	09	0.15	13.991	14	45.7	16.61	14	45.7	K0	C0	6276	P -56 9246
14		7.7T	37 20.721	-0.0069	17	-51 38 35.42	0.012	17	0.84	21.055	19	01.8	35.98	19	01.8	F8	GC	27200	C -5112198
15	10.1	9.7W	37 26.609	-0.0012	09	-54 11 50.02	-0.063	09	0.20	26.623	15	38.7	49.30	18	38.7	F8	C9	7764	P -54 9445
16		7.2T	37 36.663	0.0057	15	-55 22 58.74	0.024	12	0.67	36.379	21	04.1	59.93	19	00.1	K2	GC	27208	P -55 9154
17		9.4T	37 42.745	0.0033	12	-51 53 29.26	-0.024	10	0.57	42.587	21	01.5	27.98	19	97.6	F8	GC	27210	P -5211503
18	9.4	9.1W	37 42.995	-0.0001	07	-58 8 18.26	0.014	07	0.14	43.000	14	45.7	18.32	14	45.7	F0	C0	6278	P -58 7641
19	9.4	9.4W	37 46.597	0.0025	09	-59 34 13.51	0.002	09	0.15	46.586	14	45.7	13.52	14	45.7	A0	C0	6279	P -59 7501
20	8.4	8.0W	37 49.161	0.0007	08	-53 22 6.37	-0.095	08	0.19	49.153	15	38.7	5.29	18	38.7	F5	C9	7767	P -53 9635
21	9.0	8.0W	38 11.533	0.0006	07	-57 15 28.74	-0.029	07	0.14	11.530	14	45.7	28.62	14	45.7	G5	C0	6282	P -57 9455
22		7.4T	38 17.774	0.0252	12	-59 7 32.24	-0.160	09	0.51	16.580	17	08.5	24.65	17	02.6	G0	GC	27227K	P*-59 7505
23	9.3E	8.5Z	38 19.556	-0.0004	12	-50 12 54.96	0.026	12	0.67	19.574	45	08.0	56.06	45	08.0	F0	CZ	18332	P -5011156
24		7.6G	38 21.509	-0.0001	14	-53 4 0.18	-0.035	12	0.68	21.511	22	01.6	58.36	19	97.6	A3	GC	27228K	P*-53 9636
25	8.0E	7.5Z	38 33.579	0.0023	12	-50 36 36.62	-0.015	12	0.61	33.475	31	05.2	35.96	28	05.2	F0	CZ	18334	P -5011160
26		6.8T	38 45.807	0.0020	17	-50 47 8.72	0.014	12	0.73	45.711	18	02.5	9.43	19	99.4	K0	GC	27234	C -5012629
27	8.7	8.7W	38 46.584	-0.0009	07	-55 36 15.28	0.028	07	0.18	46.595	15	38.7	15.59	18	38.7	A0	C9	7769	P*-55 9161
28	9.0	7.5W	39 9.351	0.0001	07	-56 22 42.37	-0.059	07	0.14	9.351	14	45.7	42.11	14	45.7	M8	C0	6287	P -56 9260
29	9.2	8.1W	39 23.270	-0.0002	07	-53 55 9.82	0.008	07	0.18	23.273	15	38.7	9.91	18	38.7	K2	C9	7771	P -54 9457
30	10.1	10.7W	39 31.674	0.0034	09	-58 26 6.63	-0.003	09	0.15	31.659	14	45.7	6.62	14	45.7	A0	C0	6288	P -58 7645
31	9.4	8.1W	39 33.603	0.0000	07	-53 49 7.57	0.030	07	0.18	33.603	15	38.7	7.90	18	38.7	K2	C9	7772	P -53 9645
32	9.3	9.3W	39 34.836	-0.0015	07	-52 55 28.68	-0.025	07	0.18	34.853	15	38.7	28.39	18	38.7	A3	C9	7773	P -53 9646
33	10.0	9.0W	39 36.082	0.0010	09	-58 38 7.65	-0.030	09	0.15	36.078	14	45.7	7.52	14	45.7	K0	C0	6289	P -58 7647
34	9.1	8.7W	39 36.390	-0.0025	06	-56 52 6.34	-0.051	06	0.14	36.400	14	45.7	6.12	14	45.7	G0	C0	6290	P -57 9462
35	9.1E	8.0Z	39 40.057	0.0001	12	-50 17 49.26	-0.010	12	0.60	40.053	28	04.8	48.82	26	04.8	K2	CZ	18347	P -5011167
36	9.8E	7.8Z	39 42.275	0.0011	12	-51 3 53.60	-0.002	12	0.62	42.224	31	04.6	53.53	28	04.6	K2	CZ	18348	P -5111317
37		10.1T	40 8.529	0.0147	12	-51 55 40.35	-0.063	10	0.61	7.792	22	99.7	36.89	21	95.4	F5	GC	27270	P -5211516
38	9.2E	9.2Z	40 16.239	0.0023	12	-51 42 36.11	-0.018	12	0.68	16.142	45	07.2	35.33	45	07.2	A2	CZ	18353	P -5111319
39	9.5	7.9W	40 21.558	0.0017	06	-56 23 30.21	0.024	06	0.14	21.551	14	45.7	30.31	14	45.7	K2	C0	6291	P -56 9268
40	9.7	9.7W	40 21.582	0.0028	09	-58 5 47.68	0.009	09	0.15	21.570	14	45.7	47.72	14	45.7	A0	C0	6292	P -58 7650
41		10.1T	40 23.074	0.0024	11	-52 3 49.04	-0.019	10	0.61	22.951	22	97.7	48.00	21	96.2	F8	GC	27281	P -5211517
42	9.5	8.7W	40 32.009	0.0019	06	-57 10 36.58	-0.014	06	0.14	32.000	14	45.7	36.52	14	45.7	G5	C0	6294	P -57 9469
43	10.4	9.1W	40 51.924	0.0001	09	-53 46 9.50	-0.035	09	0.20	51.923	15	38.7	9.10	18	38.7	K3	C9	7778	P -53 9654
44	9.1	8.8W	40 56.424	-0.0034	07	-52 17 21.48	-0.034	07	0.18	56.463	15	38.7	21.10	18	38.7	F5	C9	7779	P -5211520
45	9.5	8.6W	41 0.603	-0.0044	07	-52 27 21.66	-0.103	07	0.18	0.653	15	38.7	20.50	18	38.7	K0	C9	7780	P -5211521
46	9.7E	9.0Z	41 2.026	-0.0007	12	-50 42 49.13	-0.023	12	0.70	2.056	45	04.5	48.10	45	04.5	F8	CZ	18363	P -5011174
47	10.3E	9.5Z	41 8.707	0.0022	12	-50 51 32.13	-0.030	12	0.70	8.606	45	04.5	30.78	45	04.5	G0	CZ	18364	P -5111324
48	9.2	9.3W	41 11.967	-0.0006	07	-58 5 16.87	-0.012	07	0.14	11.970	14	45.7	16.82	14	45.7	A2	C0	6298	P -58 7653
49	9.9E	9.4Z	41 23.664	-0.0006	12	-50 40 29.54	-0.013	12	0.70	23.690	45	04.5	28.97	45	04.5	A0	CZ	18366	P -5011178
50	9.8	9.6W	41 24.420	0.0006	07	-53 20 33.20	-0.080	07	0.18	24.413	15	38.7	32.29	18	38.7	F2	C9	7781	P -53 9660
51		9.7Q	19 41 34.230	0.0055	20	-52 9 4.02	-0.039	26	1.23	33.937	36	96.3	2.04	36	99.7	F5	GC	27303	P -5211523
52	8.1	8.3W	41 38.301	0.0035	06	-59 42 52.93	-0.002	06	0.14	38.287	14	45.7	52.92	14	45.7	A0	C0	5944	P -59 7519
53	9.0E	9.0Z	41 38.968	-0.0081	12	-50 59 12.55	-0.259	12	0.82	39.342	63	03.7	0.56	57	03.7	G5	CZ	18369	P -5111328
54	8.8E	8.1Z	41 46.133	-0.0001	12	-50 7 3.25	-0.108	12	0.70	46.138	45	04.5	58.35	45	04.5	K0	CZ	18372	P -5011181
55	8.3	7.8W	41 46.490	0.0116	07	-57 40 5.84	-0.052	07	0.14	46.440	14	45.7	5.62	14	45.7	F8	C0	6302	P -57 9473
56	10.0E	8.0Z	41 52.059	-0.0010	12	-50 56 11.03	-0.003	12	0.82	52.104	63	03.7	10.91	57	03.7	K5	CZ	18374	P -5111329
57	10.0	9.1W	41 53.393	-0.0035	15	-52 44 17.19	0.009	15	0.24	53.433	15	38.7	17.30	18	38.7	G8	C9	7784	P -5211526
58	10.5E	9.5*	41 58.622	0.0004	12	-51 41 2.64	-0.012	12	0.66	58.605	31	01.6	2.06	31	01.6		CZ	18376	P -5111331
59	8.8	7.6W	41 58.822	0.0017	07	-54 6 32.78	-0.006	07	0.18	58.803	15	38.7	32.71	18	38.7	K2	C9	7785	P -54 9467
60		7.5T	42 2.107	0.0022	15	-52 39 7.97	-0.089	12	0.70	2.000	18	02.5	3.40	19	98.5	F5	GC	27313	P -5211527
61	10.0E	9.0Z	42 4.627	0.0000	12	-51 28 2.72	-0.021	12	0.82	4.626	63	03.7	1.74	57	03.7	G5	CZ	18378	P -5111332
62	10.0	9.7W	42 30.719	0.0020	11	-55 51 5.67	-0.085	11	0.15	30.711	14	45.7	5.31	14	45.7	G0	C0	6303	P -56 9279
63	9.6	9.3W	42 48.504	-0.0008	07	-54 42 41.07	-0.031	07	0.18	48.513	15	38.7	40.71	18	38.7	F6	C9	7788	P -54 9472
64	8.7	8.5W	42 48.655	0.0037	07	-52 56 6.74	-0.039	07	0.18	48.613	15	38.7	6.30	18	38.7	F5	C9	7789	P -53 9670
65	10.5E	9.7Z	42 55.881	0.0026	12	-51 17 6.06	-0.016	12	0.82	55.759	63	03.7	5.34	57	03.7		CZ	18386	P -5111339
66	8.8	8.6W	43 9.898	-0.0015	08	-55 20 47.10	-0.027	08	0.19	9.916	15	38.7	46.80	18	38.7	F5	C9	7791	P -55 9181
67	8.3	8.3W	43 22.270	0.0012	08	-55 2 25.94	-0.004	08	0.19	22.256	15	38.7	25.90	18	38.7	A5	C9	7793	P -55 9183
68	9.5E	9.1*	43 34.763	-0.0009	12	-50 30 17.16	-0.008	12	0.64	34.805	31	02.8	16.80	28	02.8	A5	CZ	18390	P -5011192
69	9.5	9.7W	43 49.293	-0.0018	15	-53 12 4.89	-0.017	15	0.24	49.313	15	38.7	4.69	18	38.7	A0	C9	7794	P -53 9673
70	10.5	9.2W	43 51.337	0.0108	07	-56 27 33.97	-0.154	07	0.14	51.291	14	45.7	33.31	14	45.7	G8	C0	6306	P -56 9289
71		5.5H	43 56.776	0.0113	03	-56 29 5.84	-0.135	03	0.10	56.454	05	21.4	1.89	05	20.8	A5	F4	739	P -56 9290
72	9.9E	9.5Z	43 57.055	-0.0010	12	-50 1 5.23	-0.018	12	0.64	57.103	31	02.9	4.40	28	02.9	F5	CZ	18393	P -5011193
73	9.3	9.1W	44 4.706	0.0010	06	-55 44 34.09	-0.017	06	0.18	4.695	15	38.7	33.89	18	38.7	F2	C9	7795	P -55 9188
74		7.4T	44 8.375	0.0039	16	-57 50 59.42	-0.029	12	0.65	8.191	19	06.6	58.06	18	02.8	A3	GC	27361	P -58 7664
75	9.3	9.4W	44 9.620	-0.0029	08	-52 34 42.99	0.027	08	0.19	9.653	15	38.7	43.29	18	38.7	A0	C9	7796	P -5211535
76	9.7	9.7W	44 47.197	0.0002	07	-55 46 13.42	-0.020	07	0.18	47.195	15	38.7	13.19	18	38.7	F0	C9	7798	P*-55 9194
77		6.3T	45 2.190	0.0018	09	-53 0 45.80	-0.050	07	0.35	2.116	12	09.5	43.59	12	05.6	K0	GC	27384	P -53 9678
78	9.5	8.5W	45 14.844	0.0016	07	-55 0 49.78	-0.025	07	0.18	14.826	15	38.7	49.50	18	38.7	K0	C9	7801	P -55 9199
79	10.3	9.5W	45 14.927	0.0018	09	-58 27 45.71	-0.020	09	0.15	14.920	14	45.7	45.62	14	45.7	G5	C0	6312	P -58 7667
80		9.6T	45 18.057	0.0035	12	-52 12 12.89	-0.039	11	0.64	17.887	22	00.7	10.84	22	98.0	G5	GC	27395	P -5211538
81	9.2	8.9W	45 36.476	-0.0015	07	-53 0 33.19	-0.026	07	0.18	36.493	15	38.7	32.89	18	38.7	F8	C9	7804	P -53 9681
82	9.2	8.7W	45 36.963	-0.0019	07	-55 33 1.15	-0.005	07	0.18	36.985	15	38.7	1.10	18	38.7	G5	C9	7805	P -55 9203
83	10.2	9.8W	45 42.443	-0.0009	15	-52 19 48.32	-0.073	15	0.24	42.453	15	38.7	47.50	18	38.7	G2	C9	7806	P -5211541
84		7.0T	45 48.801	-0.0000	13	-59 23 23.89	-0.009	10	0.56	48.801	19	05.9	23.47	18	02.8	A2	GC	27403	P -59 7532
85	10.0	8.7W	45 49.463	-0.0041	07	-57 20 50.52	-0.023	07	0.14	49.480	14	45.7	50.42	14	45.7	K2	C0	6316	P -57 9500
86	10.0E	8.5Z	46 0.644	-0.0006	12	-50 39 49.28	0.007	12	0.65	0.670	36	04.8	49.61	36	04.8	K5	CZ	18413	P -5011199
87	9.7	9.1W	46 1.450	0.0054	11	-59 50 25.36	-0.010	11	0.15	1.427	14	45.7	25.32	14	45.7	G5	C0	5968	P -60 7335
88	9.8	9.2W	46 12.104	0.0015	07	-58 47 9.88	0.009	07	0.14	12.098	14	45.7	9.92	14	45.7	G5	C0	6318	P -58 7668
89	9.3	9.2W	46 13.874	0.0001	07	-51 54 22.27	0.011	07	0.18	13.873	15	38.7	22.40	18	38.7	A2	C9	7808	P -5211542
90	9.9	8.8W	46 16.458	0.0017	07	-57 22 32.01	-0.020	07	0.14	16.450	14	45.7	31.92	14	45.7	K0	C0	6319	P -57 9501
91		7.6T	46 22.004	0.0036	17	-50 43 44.70	0.015	13	0.77	21.831	18	02.2	45.46	17	99.3	F0	GC	27420	C*-5012691
92	9.9E	9.0Z	46 27.515	0.0035	12	-51 18 18.79	0.009	12	0.82	27.352	63	03.7	19.23	57	03.7	G5	CZ	18418	P -5111349
93		5.5T	46 30.895	0.0028	10	-59 19 13.21	0.007	07	0.46	30.753	14	02.6	13.56	14	99.1	A2	GC	27424K	P*-59 7534
94		8.6T	46 40.875	0.0036	17	-52 21 43.45	-0.009	16	0.77	40.712	22	05.6	43.02	22	04.8	K5	GC	27429	P -5211547
95	9.1	9.0W	46 40.940	-0.0011	07	-53 47 32.39	-0.016	07	0.18	40.953	15	38.7	32.21	18	38.7	A3	C9	7812	P*-53 9691
96	10.8E	9.8*	46 42.949	-0.0001	12	-51 43 43.58	-0.019	12	0.66	42.956	31	01.6	42.66	31	01.6		CZ	18420	P -5111351
97	9.5	8.3W	46 43.184	0.0054	07	-57 21 26.42	-0.046	07	0.14	43.160	14	45.7	26.22	14	45.7	K0	C0	6324	P -57 9504
98	8.4	8.1W	47 12.560	0.0075	06	-58 38 10.96	-0.078	06	0.14	12.528	14	45.7	10.62	14	45.7	G0	C0	6325	P -58 7669
99	9.9	8.9W	47 13.617	0.0036	07	-55 58 49.67	-0.013	07	0.14	13.601	14	45.7	49.61	14	45.7	G5	C0	6326	P -56 9307
00	10.6	9.5W	47 34.687	-0.0005	09	-53 20 41.48	-0.078	09	0.20	34.693	15	38.7	40.60	18	38.7	K0	C9	7817	P -53 9698

246300 — EPOCH 1950 — ORIGINAL EPOCH — -50° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.6E	9.2Z	19 47 36.118	0.0008	12	-51 10 31.80	-0.028	12	0.82	36.080	63	03.7	30.52	57	03.7	F5	CZ	18426	P -5111357
2	9.8	9.8W	47 47.700	-0.0002	11	-57 4 26.73	-0.003	11	0.15	47.700	14	45.7	26.72	14	45.7	A3	CO	6328	P -57 9505
3	9.2	8.3W	47 48.732	0.0007	13	-55 32 55.84	0.067	13	0.22	48.725	15	38.7	56.60	18	38.7	K0	C9	7819	P -55 9213
4	9.0	8.1W	47 52.509	0.0021	06	-57 47 38.33	-0.025	06	0.14	52.500	14	45.7	38.22	14	45.7	G5	CO	6329	P -57 9506
5		6.9T	47 55.600	0.0022	13	-51 6 20.80	-0.091	11	0.61	55.495	17	02.3	16.05	15	97.8	F8	GC	27461	C -5112259
6		7.2T	48 1.728	0.0046	16	-56 50 51.18	-0.067	11	0.63	1.513	19	06.6	48.03	18	03.2	K0	GC	27464	P*-57 9508
7		9.8Q	48 5.403	0.0072	20	-52 34 11.95	0.002	26	1.24	5.012	36	96.0	12.07	36	99.0	A3	GC	27466	P -5211557
8	10.2	8.6W	48 14.310	0.0028	07	-59 17 47.17	0.012	07	0.14	14.298	14	45.7	47.22	14	45.7	K2	CO	6331	P -59 7539
9	9.5E	8.3Z	48 26.512	0.0008	12	-51 22 22.89	-0.008	12	0.82	26.474	63	03.7	22.54	57	03.7	K2	CZ	18434	P -5111360
10	9.7	9.5W	48 34.732	-0.0020	15	-55 17 26.74	-0.030	15	0.24	34.756	15	38.7	26.40	18	38.7	F2	C9	7823	P -55 9219
11		6.1T	48 39.113	0.0014	08	-55 6 1.31	0.002	06	0.31	39.052	14	12.6	1.39	14	05.9	G5	GC	27482K	P -55 9221
12		6.8T	48 40.488	0.0014	13	-55 6 21.08	-0.000	09	0.58	40.413	21	03.3	21.07	18	96.2	A2	GC	27483K	P -55 9222
13	9.6E	9.3W	48 47.586	-0.0000	12	-50 3 29.49	-0.024	12	0.64	47.587	31	02.8	28.37	28	02.8	F8	CZ	18441	P -5011208
14	8.5	8.3W	49 6.865	0.0036	06	-56 47 51.97	-0.012	05	0.14	6.850	14	45.7	51.92	14	45.7	F5	CO	6332	P -56 9317
15		9.3T	49 8.491	0.0005	11	-52 26 41.56	-0.019	09	0.55	8.469	21	02.4	40.56	19	98.7	F0	GC	27500	P -5211559
16		7.0T	49 17.919	-0.0002	17	-53 13 16.97	-0.108	13	0.74	17.926	22	04.7	11.64	19	00.5	K0	GC	27504	P -53 9713
17	8.8	7.9W	49 18.471	0.0000	06	-57 13 17.06	0.014	06	0.14	18.470	14	45.7	17.12	14	45.7	K0	CO	6333	P -57 9521
18	9.7	9.2W	49 21.438	0.0063	13	-55 58 26.80	-0.066	13	0.15	21.411	14	45.7	26.51	14	45.7	G0	CO	6334	P -56 9318
19	9.5	8.6W	49 24.270	-0.0002	07	-56 1 53.30	-0.021	07	0.14	24.271	14	45.7	53.21	14	45.7	G5	CO	6335	P -56 9319
20	9.8	9.4W	49 26.799	0.0031	15	-55 31 14.83	-0.047	15	0.24	26.765	15	38.7	14.29	18	38.7	G0	C9	7831	P -55 9229
21	9.2	9.2W	49 35.570	0.0006	06	-52 26 45.09	-0.008	06	0.18	35.563	15	38.7	45.00	18	38.7	A2	C9	7832	P -5211561
22	8.2	8.4W	49 41.115	0.0028	07	-54 3 31.54	-0.038	07	0.18	41.083	15	38.7	31.10	18	38.7	A0	C9	7833	P -54 9510
23	10.4	9.9W	49 47.436	-0.0024	15	-52 18 29.70	-0.080	15	0.24	47.463	15	38.7	28.80	18	38.7	G5	C9	7834	P -5211563
24	8.4	7.6W	49 56.431	0.0096	06	-54 29 47.37	-0.023	06	0.18	56.323	15	38.7	47.10	18	38.7	K0	C9	7836	P -54 9512
25	9.3E	9.0Z	50 6.081	-0.0046	12	-50 16 53.92	-0.008	12	0.70	6.291	45	04.5	53.56	45	04.5	G5	CZ	18453	P -5011213
26	10.2	9.2W	50 15.832	0.0006	07	-57 39 41.16	-0.033	07	0.14	15.830	14	45.7	41.02	14	45.7	K2	CO	6337	P -57 9529
27	8.2	8.4W	50 25.382	0.0026	06	-56 10 53.47	-0.083	06	0.14	25.371	14	45.7	53.11	14	45.7	A0	CO	6338	P -56 9328
28	10.0E	9.0W	50 27.423	-0.0012	12	-50 41 31.98	-0.021	12	0.64	27.478	31	02.9	31.01	28	02.9	F5	CZ	18456	P -5011216
29	9.6	9.5W	50 40.258	0.0019	07	-57 33 38.83	-0.002	07	0.14	40.249	14	45.7	38.82	14	45.7	A3	CO	6339	P -57 9532
30	9.6E	8.8*	50 41.697	0.0071	12	-51 4 59.64	-0.056	12	0.66	41.352	31	01.6	56.94	31	01.6	F8	CZ	18460	P -5111367
31	9.0	7.9W	50 47.863	0.0053	07	-57 41 52.82	-0.045	07	0.14	47.840	14	45.7	52.62	14	45.7	K0	CO	6341	P -57 9533
32	10.2	10.1W	50 53.145	0.0041	09	-59 59 45.99	-0.017	09	0.15	53.127	14	45.7	45.92	14	45.7	F0	CO	6342	P -60 7344
33	8.7	8.7W	50 58.466	0.0012	05	-56 59 13.08	0.009	05	0.14	58.460	14	45.7	13.12	14	45.7	A2	CO	6343	P -57 9534
34		6.8I	51 0.957	0.0004	18	-59 19 37.62	-0.054	14	0.83	0.937	24	02.2	34.84	21	98.4	M7E	GC	27538V	P*-59 7544
35	9.1	8.0W	51 10.819	-0.0012	06	-51 56 28.28	-0.007	06	0.18	10.833	15	38.7	28.20	18	38.7	K0	C9	7839	P -5211574
36	10.0E	9.5Z	51 21.543	-0.0004	12	-50 1 4.11	-0.008	12	0.70	21.563	45	04.5	3.76	45	04.5	A3	CZ	18463	P -5011220
37		7.0T	51 34.041	-0.0008	13	-54 4 46.19	-0.012	10	0.54	34.073	18	08.3	45.62	18	01.5	K5	GC	27551	P -54 9522
38	9.3	7.9W	51 37.057	0.0030	07	-52 10 44.15	-0.031	07	0.18	37.023	15	38.7	43.80	18	38.7	K2	C9	7841	P -5211577
39	10.0	8.9W	51 53.030	0.0024	09	-57 33 15.11	0.003	09	0.15	53.020	14	45.7	15.12	14	45.7	K2	CO	6346	P -57 9538
40	9.7	9.6W	52 3.491	-0.0046	15	-51 51 51.89	-0.026	15	0.24	3.543	15	38.7	51.60	18	38.7	A2	C9	7842	P -5211580
41	10.1	9.9W	52 11.385	0.0011	07	-52 56 24.26	-0.041	07	0.18	11.373	15	38.7	23.80	18	38.7	F1	C9	7843	P -53 9723
42	8.6	8.3W	52 15.785	-0.0019	07	-55 16 36.18	-0.025	07	0.18	15.806	15	38.7	35.90	18	38.7	F2	C9	7844	P -55 9250
43	10.4E	9.5Z	52 17.146	0.0019	12	-51 36 30.86	0.045	12	0.65	17.058	31	02.5	33.00	31	02.5	A2	CZ	18472	P -5111375
44	9.6	9.2W	52 19.666	0.0029	07	-54 14 3.33	0.016	07	0.18	19.633	15	38.7	3.50	18	38.7	F7	C9	7845	P*-54 9530
45	10.1	9.0W	52 26.182	-0.0001	08	-54 15 47.16	-0.031	08	0.19	26.183	15	38.7	46.80	18	38.7	K0	C9	7848	P -54 9534
46		8.6T	52 26.602	-0.0089	26	-50 4 54.53	-0.191	22	1.11	27.005	21	04.8	45.76	19	04.1	G5	GC	27575	C -5012730
47		8.4T	52 44.242	0.0022	11	-52 50 49.09	-0.014	10	0.55	44.132	21	01.2	48.38	19	98.4	A0	GC	27582	P -53 9729
48		6.4T	52 50.219	-0.0005	11	-58 3 31.85	-0.033	07	0.47	50.246	18	03.9	30.03	15	94.6	K5	GC	27585	P -58 7683
49		5.4T	52 54.968	0.0027	07	-59 2 6.54	-0.018	05	0.29	54.845	12	09.8	5.71	12	04.0	A0	GC	27588	P -59 7550
50	10.4E	9.6Z	53 0.412	0.0004	12	-51 36 59.00	-0.007	12	0.80	0.396	63	05.5	58.68	57	05.5	A5	CZ	18482	P -5111379
51	8.5	8.3W	19 53 20.111	0.0025	06	-54 22 0.51	-0.000	06	0.18	20.083	15	38.7	0.50	18	38.7	F0	C9	7851	P -54 9538
52		7.8T	53 37.224	0.0015	14	-59 39 38.87	-0.018	11	0.60	37.155	18	06.6	38.01	18	03.0	K0	GC	27597	P -59 7552
53	9.5	8.5W	53 41.918	-0.0006	07	-56 52 50.85	-0.030	07	0.14	41.920	14	45.7	50.72	14	45.7	K0	CO	6353	P -57 9552
54	10.0E	8.8Z	53 50.085	0.0015	12	-51 34 53.16	-0.022	12	0.80	50.020	63	05.5	52.18	57	05.5	K2	CZ	18495	P -5111381
55	10.4	9.4W	53 55.229	-0.0003	08	-54 19 45.75	-0.039	08	0.19	55.233	15	38.7	45.30	18	38.7	K2	C9	7853	P -54 9540
56		8.2T	54 18.915	0.0066	12	-52 2 26.31	-0.060	11	0.57	18.625	15	05.8	23.42	18	02.2	F8	GC	27616	P -5211587
57		7.7T	54 26.517	0.0041	14	-52 1 47.09	-0.029	12	0.67	26.322	18	02.0	45.59	19	99.0	F0	GC	27623	P -5211589
58	10.8E	9.5Z	54 31.467	-0.0008	12	-51 26 30.35	-0.140	12	0.65	31.504	31	02.5	23.71	31	02.5	G0	CZ	18500	P -5111386
59	9.4	8.5W	54 35.209	0.0117	07	-55 4 14.95	-0.137	07	0.18	35.076	15	38.7	13.40	18	38.7	K0	C9	7857	P -55 9267
60	9.5	8.5W	54 38.892	-0.0018	07	-54 10 46.14	-0.038	07	0.18	38.913	15	38.7	45.70	18	38.7	K0	C9	7859	P -54 9546
61	9.7	8.5W	54 46.120	-0.0029	07	-53 56 54.14	-0.021	07	0.18	46.153	15	38.7	53.90	18	38.7	K2	C9	7860	P -54 9547
62	9.4	9.5W	54 53.447	0.0013	06	-53 53 7.67	-0.015	06	0.18	53.433	15	38.7	7.50	18	38.7	A0	C9	7861	P -54 9550
63	10.4E	9.5Z	54 55.091	0.0003	12	-50 42 31.56	-0.026	12	0.69	55.077	45	05.5	30.41	45	05.5	F8	CZ	18503	P -5011238
64	9.3	9.0W	54 59.726	0.0014	13	-57 34 32.82	-0.046	13	0.15	59.719	14	45.7	32.62	14	45.7	G0	CO	6357	P -57 9560
65	9.4	9.2W	55 7.701	-0.0021	07	-55 33 27.04	-0.022	07	0.18	7.725	15	38.7	26.79	18	38.7	F0	C9	7863	P -55 9268
66	9.1	8.5W	55 8.010	0.0042	07	-52 15 59.46	-0.032	07	0.18	7.963	15	38.7	59.10	18	38.7	F8	C9	7864	P -5211593
67	9.5	9.7W	55 8.739	0.0025	11	-58 56 37.54	-0.004	11	0.15	8.728	14	45.7	37.52	14	45.7	A0	CO	6360	P -59 7558
68	10.0	9.2W	55 11.862	0.0034	07	-59 11 43.77	-0.034	07	0.14	11.848	14	45.7	43.62	14	45.7	G5	CO	6361	P -59 7559
69	9.8E	9.0Z	55 12.990	-0.0067	12	-51 13 56.15	-0.040	12	0.80	13.286	63	05.5	54.39	57	05.5	G0	CZ	18505	P -5111393
70	9.8	9.8W	55 25.277	0.0038	13	-56 27 43.10	-0.020	13	0.15	25.261	14	45.7	43.01	14	45.7	A0	CO	6362	P -56 9352
71		7.9T	55 27.383	0.0083	16	-55 10 49.99	-0.090	12	0.70	26.956	21	04.3	45.34	19	98.5	F2	GC	27646	P -55 9270
72	10.3	9.3W	55 39.410	-0.0001	11	-57 0 20.70	-0.018	11	0.15	39.410	14	45.7	20.62	14	45.7	K0	CO	6364	P -57 9567
73	8.7E	7.8Z	56 1.782	-0.0015	12	-50 59 33.85	0.004	12	0.65	1.852	31	02.5	34.06	31	02.5	K0	CZ	18512	P -5111397
74	10.0E	8.5Z	56 4.182	-0.0008	12	-50 25 54.45	0.013	12	0.69	4.219	45	05.5	55.05	45	05.5	G0	CZ	18514	P -5011243
75	9.9	9.5W	56 6.787	-0.0111	15	-52 19 1.60	0.009	15	0.24	6.913	15	38.7	1.70	18	38.7	G0	C9	7867	P -5211597
76	9.9	9.7W	56 9.105	-0.0010	07	-55 16 25.80	-0.018	07	0.18	9.116	15	38.7	25.60	18	38.7	F2	C9	7868	P -55 9274
77	9.5	9.0W	56 11.524	0.0053	13	-56 24 46.48	-0.131	13	0.15	11.501	14	45.7	45.91	14	45.7	F8	CO	6365	P -56 9357
78	9.9	9.0W	56 16.701	0.0015	07	-55 30 39.51	-0.001	07	0.18	16.685	15	38.7	39.49	18	38.7	K0	C9	7869	P -55 9275
79		6.8T	56 24.416	0.0062	14	-50 21 14.36	0.030	12	0.71	24.105	17	99.6	15.95	18	96.9	F2	GC	27668	C -5012763
80	9.1	7.6W	56 26.146	0.0003	07	-52 49 27.11	-0.010	07	0.18	26.143	15	38.7	26.99	18	38.7	K2	C9	7870	P -53 9752
81	10.0	8.4W	56 27.316	0.0028	07	-55 43 13.92	-0.011	07	0.18	27.285	15	38.7	13.80	18	38.7	MA	C9	7871	P -55 9276
82	10.1	9.8W	56 33.253	0.0006	09	-56 58 43.43	-0.048	09	0.15	33.250	14	45.7	43.22	14	45.7	F5	CO	6366	P -57 9570
83		7.4T	56 53.140	0.0016	13	-58 31 31.22	-0.032	11	0.53	53.070	17	09.4	29.80	17	05.7	K0	GC	27682	P -58 7692
84	9.3	9.5W	56 58.279	-0.0012	07	-53 11 48.24	-0.022	07	0.18	58.293	15	38.7	48.00	18	38.7	A2	C9	7874	P -53 9755
85	10.3	10.1W	57 19.116	0.0019	07	-58 36 14.13	-0.026	07	0.14	19.108	14	45.7	14.02	14	45.7	F8	CO	6369	P -58 7693
86	10.0	9.5W	57 19.308	-0.0028	13	-57 32 49.70	-0.157	13	0.15	19.320	14	45.7	49.02	14	45.7	G5	CO	6370	P -57 9574
87	9.7	9.6W	57 19.745	-0.0016	07	-53 12 23.10	-0.036	07	0.18	19.763	15	38.7	22.69	18	38.7	A0	C9	7876	P -53 9758
88	9.1	8.7W	57 26.226	-0.0012	13	-56 9 21.46	-0.034	13	0.15	26.231	14	45.7	21.31	14	45.7	F5	CO	6371	P -56 9368
89		9.1T	57 32.635	0.0021	07	-59 30 51.87	-0.029	07	0.33	32.542	14	09.0	50.57	14	05.5	M8	GC	27704	P*-59 7564
90		8.2T	57 41.031	0.0055	10	-53 7 14.55	-0.050	09	0.58	40.737	22	96.9	11.73	21	93.2	K0	GC	27706	P -53 9763
91	8.6	7.9W	57 43.367	0.0024	06	-59 35 11.35	-0.030	06	0.14	43.356	14	45.7	11.22	14	45.7	K0	CO	6373	P -59 7565
92	10.0	9.1W	57 45.804	-0.0000	07	-55 39 38.32	-0.029	07	0.18	45.805	15	38.7	37.99	18	38.7	K0	C9	7879	P -55 9283
93		9.2T	57 50.435	0.0028	12	-52 57 58.85	-0.013	12	0.61	50.297	21	01.5	58.25	21	02.7	A2	GC	27714	P -53 9764
94	9.8	9.4W	57 51.366	-0.0051	07	-59 1 14.09	-0.086	07	0.14	51.386	14	45.7	13.72	14	45.7	F8	CO	6375	P -59 7566
95	9.1	8.7W	57 55.111	0.0034	15	-53 25 43.80	-0.089	15	0.24	55.073	15	38.7	42.79	18	38.7	G0	C9	7882	P -53 9767
96	10.6E	9.8*	58 4.512	0.0068	12	-51 42 15.13	0.012	12	0.65	4.096	31	02.6	15.70	31	02.6	G0	CZ	18544	P -5111406
97	9.9	8.9W	58 5.009	-0.0027	13	-56 36 36.56	-0.010	13	0.15	5.020	14	45.7	36.52	14	45.7	K0	CO	6376	P -56 9374
98	9.6	9.5W	58 16.512	0.0009	07	-58 37 20.73	-0.002	07	0.14	16.508	14	45.7	20.72	14	45.7	F5	CO	6377	P -58 7695
99	9.9E	8.5Z	58 24.483	-0.0008	12	-50 7 14.30	-0.033	12	0.63	24.521	31	03.5	12.78	28	03.5	F8	CZ	18548	P -5011254
00	8.3	8.3W	58 28.509	0.0004	07	-55 49 55.81	-0.037	07	0.18	28.505	15	38.7	55.39	18	38.7	A0	C9	7883	P -56 9378

246400 — EPOCH 1950 — ORIGINAL EPOCH — -50° 19H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ_s s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ".001	σ_{1950} ″	α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.1	9.1W	19 58 31.535	0.0027	09	-55 47 27.40	-0.080	09	0.20	31.505	15	38.7	26.49	18	38.7	G5	O	C9	7884	P -55 9287
2	8.8	8.3W	58 37.281	-0.0028	07	-53 1 33.63	-0.083	07	0.18	37.313	15	38.7	32.69	18	38.7	F8		C9	7885	P -53 9773
3	10.2	9.0W	58 44.766	0.0013	07	-56 33 0.06	-0.009	07	0.14	44.760	14	45.7	0.02	14	45.7	K2		C0	6378	P -56 9379
4	10.0E	8.5Z	58 50.287	0.0375	12	-50 11 14.49	-0.368	12	0.69	48.620	45	05.5	-58.14	45	05.5	K2		CZ	18553	P -5011256
5	9.5	8.0W	58 53.467	0.0021	06	-58 36 3.52	-0.023	06	0.14	53.458	14	45.7	3.42	14	45.7	MC		C0	6379	P -58 7699
6	9.1	9.2W	58 54.756	0.0044	08	-55 23 10.64	0.023	08	0.19	54.706	15	38.7	10.90	18	38.7	A0		C9	7886	P -55 9291
7	9.7	9.4W	59 8.909	0.0032	15	-54 15 27.44	-0.003	15	0.24	8.873	15	38.7	27.40	18	38.7	F8		C9	7887	P -54 9574
8	9.7	9.2W	59 12.494	-0.0034	07	-54 25 44.33	-0.020	07	0.18	12.533	15	38.7	44.10	18	38.7	G0		C9	7888	P -54 9575
9	8.9	8.9W	59 25.128	-0.0013	15	-54 40 40.79	-0.024	15	0.24	25.143	15	38.7	40.51	18	38.7	A0		C9	7890	P -54 9579
10	9.5	9.0W	59 26.735	-0.0012	07	-56 51 30.63	-0.118	07	0.14	26.740	14	45.7	30.12	14	45.7	G0		C0	6380	P -57 9584
11	8.8	8.8W	59 34.331	0.0007	07	-52 33 35.87	-0.042	07	0.18	34.323	15	38.7	35.40	18	38.7	A2		C9	7892	P -5211606
12	10.3	9.2W	59 35.611	0.0007	09	-59 8 42.48	-0.013	09	0.15	35.608	14	45.7	42.42	14	45.7	K0		C0	6381	P -59 7568
13	8.8	8.5W	59 55.015	0.0034	07	-56 35 18.88	-0.038	07	0.14	55.000	14	45.7	18.72	14	45.7	F0		C0	6382	P -56 9387
14	9.5	8.5W	59 59.697	0.0016	07	-56 56 54.20	-0.041	07	0.14	59.690	14	45.7	54.02	14	45.7	G5		C0	6383	P -57 9587
15	9.5	8.4W	20 0 14.043	0.0018	07	-54 18 48.23	-0.011	07	0.18	14.023	15	38.7	48.10	18	38.7	K2		C9	7893	P -54 9582
16	10.9E	9.0Z	0 17.671	-0.0001	12	-51 21 14.01	0.003	12	0.65	17.674	31	02.5	14.17	31	02.5	MA		CZ	18569	P -5111409
17	10.0	9.7W	0 28.023	-0.0035	15	-54 8 31.32	-0.001	15	0.24	28.063	15	38.7	31.30	18	38.7	F8		C9	7894	P -54 9585
18	10.1	9.4W	0 39.324	0.0007	09	-55 10 44.63	-0.020	09	0.20	39.316	15	38.7	44.40	18	38.7	G5	O	C9	7895	P -55 9304
19	9.1	8.8W	0 41.383	0.0112	07	-55 15 58.56	0.030	07	0.18	41.256	15	38.7	58.90	18	38.7	F8		C9	7896	P -55 9305
20	10.2E	9.0Z	0 43.075	-0.0009	12	-50 53 27.38	-0.020	12	0.80	43.114	63	05.5	26.51	57	05.5	F8		CZ	18576	P -5111411
21	9.5	9.3W	0 55.093	0.0018	15	-51 52 40.52	-0.002	15	0.24	55.073	15	38.7	40.50	18	38.7	A3		C9	7897	P -5211613
22	9.5	8.3W	1 7.691	0.0056	06	-59 40 58.16	-0.010	06	0.14	7.667	14	45.7	58.12	14	45.7	K2		C0	6385	P -59 7571
23	9.2	8.9W	1 18.636	0.0021	07	-54 52 0.30	-0.069	07	0.18	18.613	15	38.7	-59.51	18	38.7	F5		C9	7899	P -55 9306
24	9.4	9.4W	1 19.897	-0.0014	07	-52 42 38.09	-0.061	07	0.18	19.913	15	38.7	37.40	18	38.7	A5		C9	7900	P -5211614
25	8.6	8.7W	1 20.398	0.0022	06	-52 50 28.10	-0.018	06	0.18	20.373	15	38.7	27.89	18	38.7	A3		C9	7901	P -53 9782
26	10.0	9.1W	1 27.587	0.0044	07	-59 22 23.94	-0.052	07	0.14	27.568	14	45.7	23.72	14	45.7	K0		C0	6387	P -59 7572
27	8.9	8.9W	1 38.412	0.0006	07	-57 45 37.82	0.001	07	0.14	38.410	14	45.7	37.82	14	45.7	A2		C0	6388	P -57 9596
28	9.0	8.1W	1 41.856	0.0020	07	-52 50 9.20	-0.053	07	0.18	41.833	15	38.7	8.59	18	38.7	K2P		C9	7903	P -53 9784
29	8.6	8.6W	1 42.353	0.0089	07	-54 57 53.75	-0.012	07	0.18	42.253	15	38.7	53.61	18	38.7	F0		C9	7904	P -55 9310
30	9.8	9.4W	1 45.936	0.0020	07	-58 40 4.57	0.012	07	0.14	45.928	14	45.7	4.62	14	45.7	G0		C0	6389	P -58 7709
31	8.9	8.7W	2 0.857	0.0014	13	-56 2 9.37	-0.014	13	0.15	0.851	14	45.7	9.31	14	45.7	G0		C0	6390	P -56 9398
32	9.9	8.5W	2 15.918	-0.0031	15	-53 56 52.70	-0.052	15	0.24	15.953	15	38.7	52.10	18	38.7	K5		C9	7907	P -54 9600
33		7.7T	2 34.827	-0.0002	17	-52 39 56.26	0.025	13	0.74	34.834	22	04.7	57.51	19	00.5	F0		GC	27855	P -5211617
34	8.1	8.4W	2 38.613	-0.0009	07	-54 13 42.47	-0.067	07	0.18	38.623	15	38.7	41.70	18	38.7	A2		C9	7910	P -54 9603
35	9.6	9.7W	2 46.417	-0.0032	15	-53 52 43.84	-0.012	15	0.24	46.453	15	38.7	43.70	18	38.7	A2		C9	7911	P -54 9606
36	9.0	8.6W	2 51.231	-0.0161	07	-56 23 51.97	-0.106	07	0.14	51.301	14	45.7	51.51	14	45.7	G0		C0	6392	P*-56 9405
37	10.0E	8.5Z	2 53.752	0.0006	12	-50 49 9.81	0.007	12	0.69	53.724	45	05.5	10.14	45	05.5	K2		CZ	18593	P -5111418
38	11.0	10.5W	3 1.093	0.0052	14	-56 30 14.50	-0.018	14	0.15	1.070	14	45.7	14.42	14	45.7	K3	O	C0	6393	P -56 9407
39	9.5	8.1W	3 4.983	0.0018	07	-54 19 57.35	0.005	07	0.18	4.963	15	38.7	57.40	18	38.7	K5		C9	7912	P -54 9607
40	9.7E	8.0Z	3 12.630	-0.0002	12	-50 43 1.78	0.012	12	0.63	12.638	31	03.5	2.35	28	03.5	K2		CZ	18599	P -5011274
41	10.1E	9.4Z	3 28.326	0.0032	12	-51 32 53.64	-0.022	12	0.70	28.182	45	04.6	52.64	45	04.6	A0		CZ	18603	P -5111419
42	8.8E	8.2Z	3 33.661	0.0035	12	-51 35 42.57	-0.016	12	0.64	33.498	31	02.9	41.81	28	02.9	A5		CZ	18604	P -5111420
43		4.9H	3 33.869	-0.0008	03	-53 1 33.20	0.010	03	0.12	33.893	06	19.2	33.53	05	18.0	M0		F4	755	P -53 9794
44		6.3T	3 39.443	0.0024	10	-55 9 42.27	0.027	08	0.52	39.305	19	97.9	43.82	18	92.2	F8		GC	27884	P -55 9317
45	10.1E	9.0Z	3 44.068	0.0020	12	-51 42 10.60	-0.012	12	0.70	43.979	45	04.6	10.06	45	04.6	A3		CZ	18606	P -5111422
46	9.6	9.7W	3 48.605	-0.0007	15	-53 25 28.22	-0.028	15	0.24	48.613	15	38.7	27.90	18	38.7	A3		C9	7915	P -53 9795
47	8.6	8.2W	3 51.402	0.0079	07	-52 24 56.74	-0.013	07	0.18	51.313	15	38.7	56.60	18	38.7	F8		C9	7917	P -5211620
48		8.5T	3 53.593	0.0031	14	-53 15 14.13	-0.025	17	0.74	53.450	22	04.6	13.03	22	05.4	F8		GC	27887	P -53 9796
49	9.2	9.2W	3 56.810	0.0042	15	-53 37 24.21	-0.062	15	0.24	56.763	15	38.7	23.50	18	38.7	A5		C9	7919	P -53 9797
50	9.5	9.2W	3 58.152	0.0070	08	-52 22 17.46	-0.032	08	0.19	58.073	15	38.7	17.10	18	38.7	F8		C9	7920	P -5211624
51	9.0	7.8W	20 4 4.333	0.0004	07	-55 59 12.16	-0.035	07	0.14	4.331	14	45.7	12.01	14	45.7	K0		C0	6396	P -56 9414
52	9.5	8.5W	4 18.058	-0.0004	07	-54 49 41.27	0.013	07	0.18	18.063	15	38.7	41.41	18	38.7	K2		C9	7923	P -55 9324
53		6.7T	4 21.254	-0.0030	12	-52 43 23.15	-0.008	09	0.59	21.398	18	01.6	22.74	19	96.5	G5		GC	27902	P -5211626
54	9.1	7.6W	4 24.983	0.0018	08	-53 41 43.44	-0.047	08	0.19	24.963	15	38.7	42.90	18	38.7	MA		C9	7925	P -53 9799
55	9.3	9.0W	4 34.129	-0.0021	15	-54 27 47.50	-0.017	15	0.24	34.153	15	38.7	47.30	18	38.7	F8		C9	7926	P -54 9615
56	9.8E	9.0Z	4 47.488	0.0001	12	-51 31 1.00	-0.096	12	0.82	47.482	63	03.7	-56.56	57	03.7	F5		CZ	18617	P -5111426
57	9.8	8.8W	4 52.395	0.0011	07	-53 39 43.83	-0.020	07	0.18	52.383	15	38.7	43.60	18	38.7	K0		C9	7928	P -53 9802
58	9.4	8.5W	4 55.674	0.0007	13	-56 12 27.06	-0.013	13	0.15	55.671	14	45.7	27.01	14	45.7	K0		C0	6399	P -56 9421
59	9.3	8.4W	5 9.544	-0.0009	07	-59 8 45.24	-0.005	07	0.14	9.548	14	45.7	45.22	14	45.7	K0		C0	6401	P -59 7583
60	9.2	8.1W	5 11.608	0.0005	07	-54 27 27.90	-0.035	07	0.18	11.603	15	38.7	27.50	18	38.7	K2		C9	7929	P -54 9621
61	10.0	9.9W	5 12.185	-0.0016	15	-53 33 23.86	-0.005	15	0.24	12.203	15	38.7	23.80	18	38.7	A5		C9	7930	P -53 9806
62	10.0	9.7W	5 26.533	0.0025	15	-55 35 8.47	-0.042	15	0.24	26.505	15	38.7	7.99	18	38.7	F8	O	C9	7932	P -55 9331
63	10.2E	9.2Z	5 28.763	-0.0034	12	-51 33 55.00	-0.070	12	0.82	28.919	63	03.7	51.76	57	03.7	F8		CZ	18631	P -5111428
64	9.4	8.0W	5 42.342	-0.0019	07	-58 9 15.29	0.007	07	0.14	42.350	14	45.7	15.32	14	45.7	K2		C0	6402	P -58 7718
65	9.8E	9.0Z	5 50.259	0.0007	12	-50 35 13.87	-0.015	12	0.64	50.226	31	02.9	13.15	28	02.9	A3		CZ	18635D	P*-5011284
66	8.9	8.4W	6 2.942	-0.0142	07	-51 51 54.10	-0.071	07	0.18	3.103	15	38.7	53.30	18	38.7	G5		C9	7934	P -5211629
67	9.3	9.0W	6 32.835	0.0055	06	-54 11 28.65	-0.039	06	0.18	32.773	15	38.7	28.20	18	38.7	F5		C9	7935	P -54 9626
68	9.7	9.6W	6 46.521	-0.0083	13	-55 18 46.68	0.037	13	0.22	46.616	15	38.7	47.10	18	38.7	F8	O	C9	7937	P -55 9337
69	11.2	10.2W	6 59.081	0.0034	09	-53 30 9.92	0.016	09	0.20	59.043	15	38.7	10.10	18	38.7	K0	O	C9	7938	P -53 9816
70		6.5T	7 4.423	0.0003	10	-57 40 20.11	-0.022	07	0.43	4.408	18	04.0	18.98	15	98.5	A0		GC	27966K	P*-57 9622
71	10.5E	10.0Z	7 10.007	0.0003	12	-50 7 24.55	-0.040	12	0.64	9.995	31	02.9	22.64	28	02.9	G0		CZ	18646	P -5011291
72	9.4	9.1W	7 17.952	0.0026	07	-56 21 57.12	-0.001	07	0.14	17.941	14	45.7	57.11	14	45.7	F5		C0	6406	P -56 9431
73		8.4T	7 21.538	0.0023	12	-53 29 18.25	-0.033	11	0.59	21.426	21	02.2	16.61	21	99.8	F8		GC	27974	P -53 9819
74		9.7T	7 33.563	-0.0019	26	-51 34 32.80	-0.278	26	1.16	33.650	21	05.3	20.36	21	05.3	G0		GC	27979	C -5112417
75	9.2	8.9W	7 41.316	-0.0060	15	-55 47 27.12	0.007	15	0.24	41.385	15	38.7	27.19	18	38.7	F5		C9	7944	P -56 9434
76	10.0	9.8W	7 46.183	-0.0088	15	-54 43 34.48	0.003	15	0.24	46.283	15	38.7	34.51	18	38.7	G2	O	C9	7946	P -54 9630
77	9.5	8.0W	8 1.184	0.0001	06	-52 23 45.31	-0.019	06	0.18	1.183	15	38.7	45.10	18	38.7	K5		C9	7948	P -5211634
78	8.8	8.0W	8 6.290	0.0015	06	-54 0 19.62	-0.010	06	0.18	6.273	15	38.7	19.50	18	38.7	K0		C9	7949	P -54 9633
79	10.8	10.1W	8 14.314	0.0008	09	-57 4 59.42	-0.047	09	0.15	14.310	14	45.7	59.22	14	45.7	G5	O	C0	6408	P -57 9624
80	8.9E	8.4*	8 20.174	0.0002	12	-50 52 19.26	-0.044	12	0.65	20.165	31	01.7	17.12	31	01.7	G0		CZ	18658	P -5111434
81	8.5	7.7W	8 29.422	0.0097	06	-58 15 57.32	-0.046	06	0.14	29.380	14	45.7	57.12	14	45.7	G5		C0	6410	P -58 7724
82	9.3	9.6W	8 38.899	0.0021	07	-58 9 33.26	-0.009	07	0.14	38.890	14	45.7	33.22	14	45.7	A0		C0	6412	P -58 7725
83	10.0E	9.5Z	8 41.357	0.0007	12	-50 23 23.08	-0.009	12	0.70	41.328	45	04.6	22.67	45	04.6	F5		CZ	18664D	P*-5011298
84	8.7	9.0W	8 50.852	0.0034	09	-58 55 45.38	-0.014	09	0.15	50.838	14	45.7	45.32	14	45.7	B9		C0	6414	P -59 7591
85	8.4	8.8W	8 57.995	0.0011	06	-56 59 49.33	-0.003	06	0.14	57.990	14	45.7	49.32	14	45.7	B9		C0	6415	P -57 9627
86	8.3E	8.3Z	9 1.447	0.0002	12	-50 27 40.15	-0.040	12	0.70	1.440	45	04.6	38.32	45	04.6	F0		CZ	18670	P -5011299
87	9.0	8.6W	9 5.411	0.0072	09	-57 37 41.67	-0.058	09	0.15	5.380	14	45.7	41.42	14	45.7	G0		C0	6416	P -57 9628
88		8.8T	9 40.020	0.0001	11	-53 45 28.70	-0.015	09	0.55	40.015	19	00.5	27.90	19	95.9	F5		GC	28036	P -53 9834
89	9.3	9.3W	9 44.351	0.0016	07	-52 30 51.53	0.006	07	0.18	44.333	15	38.7	51.60	18	38.7	A5		C9	7957	P -5211637
90	9.9	9.6W	9 49.692	0.0052	07	-58 8 47.35	-0.031	07	0.14	49.670	14	45.7	47.22	14	45.7	F5		C0	6419	P -58 7727
91	8.9	8.7W	9 54.688	0.0002	08	-55 19 14.72	-0.002	08	0.19	54.686	15	38.7	14.70	18	38.7	F5		C9	7958	P -55 9349
92	9.7	8.3W	9 56.184	0.0028	09	-52 22 41.41	-0.054	09	0.20	56.153	15	38.7	40.80	18	38.7	K5		C9	7959	P -5211638
93	9.6	9.3W	10 5.974	-0.0008	15	-54 25 0.16	-0.031	15	0.24	5.983	15	38.7	-59.80	18	38.7	F5		C9	7960	P -54 9639
94	8.5E	8.0Z	10 13.322	-0.0000	12	-50 28 20.24	-0.014	12	0.64	13.324	31	02.9	19.57	28	02.9	A0		CZ	18678D	P*-5011306
95		5.7T	10 32.118	0.0027	09	-52 35 49.24	-0.041	06	0.31	32.019	14	14.0	47.53	12	08.1	K5		GC	28063	P -5211643
96	9.8	9.0W	10 42.484	0.0033	11	-57 48 0.31	0.002	11	0.15	42.470	14	45.7	0.32	14	45.7	G5		C0	6423	P -58 7730
97	10.8E	9.6*	10 55.352	0.0009	12	-51 39 24.88	-0.143	12	0.65	55.307	31	01.7	17.98	31	01.7			CZ	18687	P -5111440
98		7.9W	10 55.978	0.0063	12	-57 7 41.17	-0.116	10	0.51	55.685	17	08.8	35.75	17	03.4	F5		GC	28073K	P*-57 9635
99		8.2Q	10 56.319	0.0037	17	-57 7 34.13	-0.114	13	0.77	56.130	24	03.2	28.27	21	98.7	F5		GC	28074K	P -57 9635
00	9.2	8.2W	11 6.803	-0.0017	07	-56 59 19.90	0.004	07	0.14	6.810	14	45.7	19.92	14	45.7	K0		C0	6427	P -57 9636

246500

-50° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$,,.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.4	9.1W	20 11 11.850	0.0068	13	-54 39 8.63	-0.010	13	0.22	11.773	15	38.7	8.51	18	38.7	F5	C9	7962	P -54 9642
2	9.8	10.0W	12 3.836	0.0037	09	-56 50 16.91	0.002	09	0.15	3.820	14	45.7	16.92	14	45.7	A0	C0	6431	P -57 9640
3	9.8	9.1W	12 4.680	0.0029	07	-58 42 34.05	-0.008	07	0.14	4.668	14	45.7	34.02	14	45.7	G5	C0	6432	P -58 7731
4	8.7	9.1W	12 8.268	0.0017	06	-56 39 36.85	-0.007	06	0.14	8.260	14	45.7	36.82	14	45.7	A0	C0	6433	P -56 9450
5	9.7	8.8W	12 13.738	0.0019	06	-58 12 52.64	0.018	06	0.14	13.729	14	45.7	52.72	14	45.7	G5	C0	6435	P -58 7732
6	10.0E	9.5Z	12 20.262	0.0002	12	-50 17 25.89	-0.038	12	0.70	20.255	45	04.6	24.14	45	04.6		CZ	18696	P -5011317
7		9.1T	12 24.033	0.0025	11	-53 54 37.71	-0.004	10	0.61	23.901	22	97.4	37.50	21	93.4	K0	GC	28116	P -54 9650
8	9.9	9.2W	12 33.124	0.0108	07	-59 16 13.01	-0.114	07	0.14	33.076	14	45.7	12.52	14	45.7	G5	C0	6439	P -59 7599
9	9.9	9.8W	12 44.784	-0.0019	15	-55 28 35.74	0.014	15	0.24	44.746	15	38.7	35.90	18	38.7	F2	C9	7968	P -55 9359
10	9.8	9.0W	12 45.370	0.0006	06	-52 42 3.03	-0.012	06	0.18	45.363	15	38.7	2.89	18	38.7	A0	C9	7969	P -5211649
11		7.9T	12 46.647	0.0032	17	-59 47 47.83	-0.042	10	0.64	46.498	19	08.0	45.84	18	02.9	K0	GC	28128	P+-60 7392
12	9.8	9.3W	12 52.491	-0.0016	06	-58 48 34.44	-0.051	06	0.14	52.498	14	45.7	34.22	14	45.7	G0	C0	6442	P -58 7601
13	11.2E	9.8*	13 19.300	-0.0004	12	-50 8 13.53	0.002	12	0.64	19.320	31	02.9	13.61	28	02.9		CZ	18704	P -5011322
14	8.6	8.5W	13 30.246	0.0012	06	-54 30 3.83	-0.054	06	0.18	30.233	15	38.7	3.21	18	38.7	F5	C9	7971	P -54 9657
15		9.7T	13 34.482	-0.0005	13	-53 58 20.61	-0.002	11	0.65	34.506	22	00.8	20.52	22	98.2	K7	GC	28159	P -54 9658
16	9.9E	8.5Z	13 54.761	0.0004	12	-50 42 50.36	-0.008	12	0.64	54.742	31	02.9	49.96	28	02.9	K2	CZ	18708	P -5011324
17		6.7T	13 59.135	-0.0006	14	-52 4 20.01	-0.049	13	0.70	59.165	21	03.8	17.43	19	97.7	F5	GC	28163	P -5211659
18	8.9	8.5W	14 12.151	0.0025	07	-52 53 48.01	0.017	07	0.18	12.123	15	38.7	48.20	18	38.7	G0	C9	7979	P -53 9843
19	9.5	9.3W	14 13.461	0.0022	07	-55 23 0.69	0.009	07	0.18	13.436	15	38.7	0.80	18	38.7	F8	C9	7980	P -55 9361
20	10.0	8.4W	14 27.362	0.0017	07	-54 19 5.13	-0.011	07	0.18	27.343	15	38.7	5.00	18	38.7	K5	C9	7981	P -54 9660
21	10.2	9.8W	14 28.350	-0.0001	13	-55 51 3.93	0.042	13	0.15	28.351	14	45.7	4.11	14	45.7	G2	C0	6446	P -56 9456
22		7.8T	14 36.803	0.0012	13	-51 14 33.70	-0.030	11	0.60	36.829	18	05.8	32.20	18	00.1	A0	GC	28181	C -5112473
23	9.1	8.9W	14 56.664	0.0016	07	-55 13 24.48	0.010	07	0.18	56.646	15	38.7	24.60	18	38.7	F5	C9	7983	P -55 9362
24		7.6T	14 58.945	0.0065	14	-51 39 56.00	0.240	12	0.71	58.630	22	01.3	8.50	21	97.8	F2	GC	28192	C -5112475
25	10.0	9.5W	15 8.910	0.0068	13	-56 18 13.89	-0.041	13	0.15	8.881	14	45.7	13.71	14	45.7	G5	C0	6450	P -56 9459
26	10.0	8.8W	15 13.684	0.0007	13	-56 29 38.75	-0.032	13	0.15	13.681	14	45.7	38.61	14	45.7	K0	C0	6451	P -56 9460
27	10.0	9.5W	15 21.693	0.0177	13	-54 42 0.69	-0.068	13	0.22	21.693	15	38.7	59.91	18	38.7	G0	C9	7985	P+-54 9663
28	9.2	9.3W	15 22.036	-0.0007	11	-55 54 8.06	-0.011	11	0.15	22.041	14	45.7	8.01	14	45.7	A0	C0	6452	P -56 9461
29	9.0	8.9W	15 42.958	-0.0022	07	-52 20 3.89	-0.008	07	0.18	42.983	15	38.7	3.80	18	38.7	F5	C9	7991	P -5211666
30		9.4T	16 12.476	-0.0027	26	-58 55 2.85	-0.002	17	0.87	12.586	18	11.3	2.77	18	09.4	G0	GC	28224	P -59 7603
31	9.4	8.5W	16 21.050	0.0033	06	-51 48 56.83	-0.012	06	0.18	21.013	15	38.7	56.70	18	38.7	K0	C9	7992	P -5211668
32	10.7	10.4W	16 21.818	-0.0022	07	-54 13 0.82	-0.028	07	0.18	21.843	15	38.7	0.50	18	38.7	F9	C9	7993	P -54 9666
33		8.2T	16 30.403	0.0018	18	-55 8 59.76	0.019	14	0.77	30.318	22	06.2	0.66	21	02.3	A2	GC	28232	P -55 9364
34		7.3T	16 33.526	0.0048	10	-58 53 15.44	-0.011	08	0.46	33.280	18	02.2	14.87	15	98.5	A0	GC	28237K	P -59 7604
35		6.2T	16 39.579	0.0015	08	-55 12 32.09	-0.045	06	0.33	39.508	12	08.5	29.95	12	02.7	K5	GC	28241	P -55 9365
36	8.7	8.6W	16 42.534	0.0038	07	-58 46 8.06	-0.009	07	0.14	42.518	14	45.7	8.02	14	45.7	F0	C0	6460	P -58 7742
37	7.5	8.0W	16 47.849	0.0003	07	-59 11 37.32	-0.022	07	0.14	47.848	14	45.7	37.22	14	45.7	A0	C0	6462	P -59 7605
38	10.0	9.2W	16 55.058	-0.0014	15	-55 40 54.38	0.001	15	0.24	55.075	15	38.7	54.39	18	38.7	K0	C9	7999	P -55 9366
39	9.6	9.5W	17 7.082	-0.0027	07	-52 56 45.22	-0.064	07	0.18	7.113	15	38.7	44.49	18	38.7	G0	C9	8000	P -53 9853
40	11.1E	9.6*	17 13.901	0.0018	12	-51 28 51.60	0.006	12	0.65	13.815	31	01.6	51.90	31	01.6		CZ	18742	P -5111457
41	10.3	10.1W	17 14.772	-0.0019	11	-56 45 6.89	0.031	11	0.15	14.780	14	45.7	7.02	14	45.7	F8	C0	6464	P -56 9468
42		7.5T	17 22.631	0.0021	13	-50 10 34.07	-0.039	10	0.62	22.529	22	00.8	32.02	17	97.6	A2	GC	28268	C -5012923
43	9.3	9.2W	17 23.065	0.0010	11	-55 55 35.58	-0.016	11	0.15	23.061	14	45.7	35.51	14	45.7	F5	C0	6465	P -56 9469
44		8.4T	17 47.990	-0.0262	17	-54 58 12.64	-0.151	13	0.74	49.164	22	05.1	5.26	19	01.0	G5	GC	28281K	P+-55 9370
45	9.2E	7.5Z	18 0.198	0.0050	12	-50 56 6.71	-0.040	12	0.65	-59.956	31	01.7	4.76	31	01.7	MA	CZ	18748	P -5111458
46		6.4T	18 3.662	-0.0369	09	-50 9 20.29	-0.251	07	0.35	5.102	10	11.0	9.77	10	08.1	F8	GC	28291	C -5012929
47	10.2E	9.0Z	18 12.165	0.0044	12	-51 6 43.29	-0.031	12	0.82	11.961	63	03.7	41.84	57	03.7		CZ	18750	P -5111460
48	9.2	8.9W	18 17.817	0.0048	06	-59 32 52.32	-0.022	06	0.14	17.796	14	45.7	52.22	14	45.7	F8	C0	6467	P -59 7606
49	9.7	8.4W	18 24.349	0.0021	06	-56 39 38.91	-0.021	06	0.14	24.340	14	45.7	38.82	14	45.7	K2	C0	6469	P -56 9470
50		7.7T	18 48.394	0.0043	13	-54 25 24.49	-0.026	12	0.65	48.192	21	02.9	23.24	21	01.3	K0	GC	28305K	P -54 9673
51	8.5	8.6W	20 18 52.827	0.0025	06	-59 39 31.01	-0.022	06	0.14	52.817	14	45.7	30.92	14	45.7	A2	C0	6470	P -59 7609
52	10.4	9.6W	19 3.892	0.0027	09	-57 18 16.10	-0.019	09	0.15	3.880	14	45.7	16.02	14	45.7	G8	C0	6471	P -57 9664
53	9.5E	8.0Z	19 9.373	0.0015	12	-50 39 12.38	-0.021	12	0.64	9.303	31	02.9	13.35	28	02.9	K2	CZ	18761	P -5011345
54	9.9	9.7W	19 18.231	0.0024	07	-57 16 15.26	-0.056	07	0.14	18.220	14	45.7	15.02	14	45.7	F8	C0	6474	P -57 9665
55	10.2	9.3W	19 22.977	0.0015	09	-57 17 33.85	-0.006	09	0.15	22.970	14	45.7	33.82	14	45.7	G8	C0	6475	P -57 9666
56	10.2	8.7W	19 39.244	0.0017	07	-59 30 9.22	0.001	07	0.14	39.236	14	45.7	9.22	14	45.7	MA	C0	6477	P -59 7611
57	9.0E	8.8Z	19 54.233	0.0015	12	-51 21 1.24	-0.005	12	0.65	54.161	31	01.7	1.01	31	01.7	F5	CZ	18766	P -5111464
58	8.5E	8.2Z	20 7.558	0.0014	12	-50 59 56.70	-0.022	12	0.82	7.493	63	03.7	55.67	57	03.7	K0	CZ	18768	P -5111465
59	9.3	9.2W	20 17.765	-0.0025	07	-53 14 27.69	-0.044	07	0.18	17.793	15	38.7	27.19	18	38.7	F5	C9	8011	P -53 9859
60		7.9T	20 18.520	-0.0014	14	-54 42 17.11	-0.031	11	0.65	18.584	18	02.6	15.54	19	98.9	A2	GC	28333	P -54 9677
61	10.2	9.3W	20 20.771	-0.0046	09	-51 56 6.00	-0.018	09	0.20	20.823	15	38.7	5.80	18	38.7	K0	C9	8013	P -5211680
62	9.3	9.3W	20 28.800	-0.0003	07	-51 53 8.83	-0.003	07	0.18	28.803	15	38.7	8.80	18	38.7	F0	C9	8014	P -5211681
63	10.0	9.0W	20 28.903	-0.0009	08	-53 11 50.88	-0.025	08	0.19	28.913	15	38.7	50.60	18	38.7	K0	C9	8015	P -53 9860
64	9.7	9.9W	20 38.280	0.0046	13	-58 5 3.93	-0.001	13	0.15	38.259	14	45.7	3.92	14	45.7	A	C0	6481	P -58 7746
65	10.6	9.1W	20 40.913	0.0000	09	-54 11 6.91	-0.036	09	0.20	40.913	15	38.7	6.50	18	38.7	K5	C9	8018	P -54 9680
66	9.9	9.0W	20 48.113	0.0018	06	-53 28 51.24	-0.039	06	0.18	48.093	15	38.7	50.80	18	38.7	K0	C9	8020	P -53 9862
67	10.2E	8.5Z	20 59.124	-0.0004	12	-50 3 18.97	0.030	12	0.70	59.143	45	04.6	20.31	45	04.6	M8	CZ	18774	P -5011354
68	8.8	8.1W	21 2.137	0.0014	06	-56 6 8.39	-0.005	06	0.14	2.131	14	45.7	8.41	14	45.7	K0	C0	6483	P -56 9480
69	9.9	8.6W	21 14.092	0.0029	07	-58 15 23.39	-0.016	07	0.14	14.080	14	45.7	23.32	14	45.7	K2	C0	6484	P -58 7747
70	9.7	8.5W	21 25.170	0.0023	07	-58 25 13.59	-0.017	07	0.14	25.160	14	45.7	13.52	14	45.7	K2	C0	6486	P -58 7749
71	10.1	9.8W	21 29.369	-0.0005	13	-56 13 46.14	0.017	13	0.15	29.371	14	45.7	46.21	14	45.7	F5	C0	6487	P -56 9484
72	9.1	8.9W	21 29.643	-0.0026	07	-54 5 47.44	-0.100	07	0.18	29.673	15	38.7	46.30	18	38.7	F8	C9	8023	P -54 9681
73	9.2	9.1W	21 33.743	-0.0009	08	-52 29 56.89	-0.008	08	0.19	33.753	15	38.7	56.80	18	38.7	F5	C9	8024	P -5211685
74		2.1H	21 42.289	0.0019	02	-56 53 50.02	-0.085	02	0.08	42.208	04	06.6	46.37	04	07.0	B3	F4	764	P -57 9674
75	8.8	8.7W	21 52.945	0.0037	07	-53 16 18.66	-0.103	07	0.18	52.903	15	38.7	17.49	18	38.7	F5	C9	8025	P -53 9866
76	9.8	9.5W	22 10.270	0.0006	07	-53 17 10.31	-0.072	07	0.18	10.263	15	38.7	9.50	18	38.7	F8	C9	8026	P -53 9867
77		8.9W	22 12.329	0.0020	09	-56 53 13.49	-0.016	09	0.15	12.320	14	45.7	13.42	14	45.7		C0	6491	P+-57 9677
78		8.8W	22 15.374	0.0007	09	-56 56 16.63	-0.026	09	0.15	15.370	14	45.7	16.52	14	45.7		C0	6492	P -57 9678
79	10.7E	9.6*	22 15.849	0.0018	12	-50 52 42.09	-0.002	12	0.66	15.762	31	01.6	41.98	31	01.6		CZ	18784	P -5111473
80	11.1E	9.9*	22 36.556	-0.0001	12	-50 10 37.86	0.018	12	0.64	36.562	31	02.4	38.70	28	02.4		CZ	18787	P -5011359
81		8.2T	22 48.481	0.0063	20	-53 59 11.26	-0.052	20	0.88	48.210	22	06.9	9.02	22	06.5	K0	GC	28402	P -54 9687
82	9.9	9.6W	22 56.782	0.0052	15	-52 5 44.53	-0.083	15	0.24	56.723	15	38.7	43.60	18	38.7	G0	C9	8029	P -5211688
83	9.6	8.5W	22 58.514	0.0013	06	-59 23 54.50	-0.019	06	0.14	58.508	14	45.7	54.42	14	45.7	K2	C0	6495	P -59 7615
84	10.9	9.7W	23 1.049	-0.0030	09	-53 21 22.73	-0.038	09	0.20	1.083	15	38.7	22.29	18	38.7	K1	C9	8030	P -53 9870
85	10.2E	9.6*	23 13.116	0.0028	12	-51 42 24.91	-0.006	12	0.65	12.980	31	01.7	24.63	28	01.7	A5	CZ	18794	P -5111477
86	10.3	10.1W	23 15.773	-0.0026	09	-53 22 24.77	-0.024	09	0.20	15.803	15	38.7	24.49	18	38.7	F5	C9	8031	P -53 9871
87		9.7T	23 29.971	0.0039	12	-54 21 26.65	-0.023	11	0.64	29.779	22	00.7	25.47	22	98.0	F5	GC	28422	P -54 9690
88	9.4	9.1W	23 34.690	0.0015	07	-53 34 45.82	0.043	07	0.18	34.673	15	38.7	46.30	18	38.7	F8	C9	8034	P -53 9873
89	9.5	9.5W	23 48.917	0.0016	13	-56 31 15.29	0.007	13	0.15	48.910	14	45.7	15.32	14	45.7	F0	C0	6501	P -56 9491
90	9.8	9.8W	23 54.791	0.0049	11	-56 40 27.88	0.055	11	0.15	54.770	14	45.7	28.12	14	45.7	A2	C0	6502	P -56 9492
91	9.4	8.9W	23 55.779	-0.0095	07	-57 48 31.41	-0.114	07	0.14	55.820	14	45.7	30.92	14	45.7	G5	C0	6503	P -58 7753
92	9.5	9.5W	23 57.787	0.0004	15	-54 35 26.99	-0.033	15	0.24	57.783	15	38.7	26.61	18	38.7	A2	C9	8035	P -54 9693
93	10.1	9.8W	24 6.333	-0.0035	15	-52 36 10.42	0.033	15	0.24	6.373	15	38.7	10.79	18	38.7	G0	C9	8037	P -5211690
94	10.2	9.5W	24 17.258	0.0022	07	-52 34 8.19	-0.000	07	0.18	17.233	15	38.7	8.19	18	38.7	G5	C9	8038	P -5211691
95		8.5T	24 17.955	0.0039	11	-54 28 11.89	-0.094	09	0.54	17.761	21	00.2	6.87	19	96.4	G0	GC	28440	P -54 9695
96	9.5	9.1W	24 18.622	-0.0160	07	-51 49 48.71	-0.019	07	0.18	18.803	15	38.7	48.50	18	38.7	G0	C9	8040	P+-5211692
97		7.7T	24 34.784	0.0021	22	-55 20 35.21	0.029	17	0.89	34.692	22	07.5	36.48	22	05.9	K0	GC	28443	P -55 9392
98	10.2E	9.5Z	24 34.835	-0.0004	12	-51 35 45.17	-0.074	12	0.82	34.852	63	03.7	41.76	57	03.7	G5	CZ	18815	P -5111487
99	10.0	9.1W	24 38.546	-0.0024	15	-54 45 52.90	-0.034	15	0.24	38.573	15	38.7	52.51	18	38.7	G5	C9	8043	P -55 9393
00	10.1	9.9W	24 41.554	0.0032	07	-56 17 42.93	-0.052	07	0.14	41.541	14	45.7	42.71	14	45.7	F5	C0	6508	P -56 9498

246600 — EPOCH 1950 — ORIGINAL EPOCH — -50° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.1	9.0W	20 24 54.824	0.0001	06	-52 34 3.29	0.001	06	0.18	54.823	15	38.7	3.29	18	38.7	F2	C9	8046	P -5211695
2	9.8	9.2W	25 1.662	-0.0018	15	-54 50 39.15	0.015	15	0.24	1.683	15	38.7	39.31	18	38.7	G0	C9	8047	P -55 9396
3	8.1	8.4W	25 13.774	0.0009	06	-57 20 39.33	0.044	06	0.14	13.770	14	45.7	39.52	14	45.7	A0	C0	6510	P -57 9691
4		7.7T	25 23.470	-0.0018	15	-51 15 6.32	0.022	13	0.67	23.548	18	06.2	7.39	18	01.3	F0	GC	28460K	C*-5112559
5	10.1	9.2W	25 29.032	0.0004	07	-56 39 47.30	-0.065	07	0.14	29.030	14	45.7	47.02	14	45.7	K0	C0	6511	P -56 9499
6	10.0	9.5W	25 31.345	0.0360	11	-58 7 25.04	-0.097	11	0.15	31.190	14	45.7	24.62	14	45.7	G0	C0	6512	P -58 7755
7		7.9T	25 43.951	0.0019	12	-58 56 21.01	0.020	07	0.49	43.856	18	05.6	22.02	17	99.2	A0	GC	28469	P -59 7618
8	10.5E	9.5*	25 45.140	0.0023	12	-50 23 1.43	0.023	12	0.64	45.033	31	02.4	2.31	28	02.4	G0	CZ	18830	P -5011368
9	10.4	9.2W	25 48.785	0.0055	09	-54 5 15.17	-0.032	09	0.20	48.725	15	38.7	14.81	18	38.7	K2	C9	8051	P -54 9700
10		9.5T	25 49.495	0.0003	18	-55 17 13.98	0.014	22	0.91	49.482	22	06.8	14.57	22	07.2	F2	GC	28474	P -55 9397
11		9.3T	25 54.612	0.0019	17	-55 15 14.20	0.003	16	0.73	54.531	21	07.6	14.32	21	06.8	F5	GC	28476	P -55 9399
12	10.2	9.5W	26 2.627	-0.0005	09	-51 56 3.66	0.003	09	0.20	2.633	15	38.7	3.70	18	38.7	G5	C9	8054	P -5211698
13	9.8	9.6W	26 4.569	0.0045	07	-57 47 58.18	-0.038	07	0.14	4.550	14	45.7	58.02	14	45.7	G0	C0	6517	P -58 7756
14		9.5T	26 12.081	0.0038	12	-54 44 9.54	-0.018	11	0.64	11.892	22	00.7	8.62	22	98.0	K0	GC	28493	P*-54 9702
15	9.0	9.0W	26 17.829	0.0021	07	-57 51 12.56	-0.031	07	0.14	17.820	14	45.7	12.42	14	45.7	A0	C0	6521	P -58 7757
16	10.2	9.7W	26 32.809	-0.0039	09	-51 55 6.06	-0.156	09	0.20	32.853	15	38.7	4.30	18	38.7	G0	C9	8056	P -5211701
17	10.0	9.8W	26 41.907	0.0018	15	-55 9 18.15	0.048	15	0.24	41.886	15	38.7	18.70	18	38.7	G0	C9	8058	P -55 9401
18		7.8T	27 4.485	0.0040	17	-52 58 34.71	-0.019	12	0.72	4.305	21	05.4	33.78	19	00.2	K2	GC	28506	P -53 9889
19	9.2	9.0W	27 5.599	0.0032	07	-53 2 39.71	-0.037	07	0.18	5.563	15	38.7	39.30	18	38.7	F2	C9	8062	P -53 9890
20	9.9E	9.0Z	27 49.604	0.0025	12	-50 21 42.76	0.007	12	0.66	49.491	36	03.7	43.08	36	03.7	G0	CZ	18847	P -5011380
21	9.8	9.6W	28 4.214	-0.0020	15	-55 8 43.99	0.027	15	0.24	4.236	15	38.7	44.30	18	38.7	F2	C9	8066	P -55 9408
22	8.5E	7.8Z	28 21.361	0.0026	12	-50 21 13.87	-0.026	12	0.64	21.239	31	02.4	12.62	28	02.4	K0	CZ	18852	P -5011382
23	10.2	9.7W	28 43.016	-0.0057	09	-57 9 25.86	-0.010	09	0.15	43.040	14	45.7	25.82	14	45.7	G5	C0	6526	P -57 9707
24	9.9	9.7W	28 43.076	0.0037	11	-56 46 44.56	-0.032	11	0.15	43.060	14	45.7	44.42	14	45.7	F8	C0	6527	P -57 9708
25	10.4	8.8W	28 44.963	0.0008	09	-57 39 18.68	-0.013	09	0.15	44.959	14	45.7	18.62	14	45.7	M8	C0	6528	P -57 9706
26		8.8T	29 0.702	0.0034	10	-54 41 12.38	0.010	09	0.52	0.529	21	99.6	12.94	19	96.1	A0	GC	28549	P -54 9709
27	10.5	9.6W	29 3.355	0.0002	09	-53 32 59.82	-0.037	09	0.20	3.353	15	38.7	59.40	18	38.7	K0	C9	8072	P -53 9896
28	9.0	8.2W	29 7.408	0.0048	07	-58 48 43.51	-0.022	07	0.14	7.388	14	45.7	43.42	14	45.7	K0	C0	6529	P -59 7619
29	8.3	7.9W	29 14.230	0.0047	07	-58 16 57.28	-0.014	07	0.14	14.210	14	45.7	57.22	14	45.7	G0	C0	6530	P -58 7758
30	9.9	9.7W	29 33.366	0.0003	15	-54 2 25.96	0.013	15	0.24	33.363	15	38.7	26.11	18	38.7	F5	C9	8079	P -54 9711
31	9.3	8.2W	29 53.738	0.0058	07	-53 40 6.32	-0.081	07	0.18	53.673	15	38.7	5.40	18	38.7	K0	C9	8080	P -53 9903
32		9.3T	30 1.363	-0.0003	12	-54 37 39.96	0.022	11	0.64	1.380	22	99.7	41.12	22	98.0	A5	GC	28580	P*-54 9715
33	8.6	8.3W	30 12.459	0.0024	07	-53 0 37.37	-0.042	07	0.18	12.432	15	38.7	36.90	18	38.7	G0	C9	8083	P -53 9907
34	10.6E	9.8*	30 19.991	-0.0019	12	-51 8 9.53	0.017	12	0.65	20.085	31	01.7	10.34	31	01.7	F8	CZ	18867	P -5110511
35	10.3	10.0W	30 24.846	0.0012	09	-57 56 40.63	0.026	09	0.15	24.841	14	45.7	40.75	14	45.7	G0	C0	6535	P -58 7759
36	10.1E	8.5Z	30 28.616	0.0027	12	-50 11 12.64	0.010	12	0.71	28.491	45	03.7	13.09	45	03.7	K2	CZ	18871	P -5011386
37	9.2	9.0W	30 37.476	0.0038	07	-52 11 11.56	0.012	07	0.18	37.432	15	38.7	11.70	18	38.7	F2	C9	8086	P -5211713
38	8.9	8.6W	30 42.909	0.0109	07	-55 42 54.94	-0.099	07	0.18	42.785	15	38.7	53.82	18	38.7	F5	C9	8087	P -55 9417
39	10.3	8.6W	30 51.479	0.0021	07	-55 40 6.82	-0.036	07	0.18	51.455	15	38.7	6.42	18	38.7	M0	C9	8088	O P -55 9418
40	10.2	9.8W	30 53.677	-0.0048	07	-53 52 5.75	-0.022	07	0.18	53.732	15	38.7	5.50	18	38.7	F8	C9	8090	P -54 9717
41	8.8	8.8W	31 1.013	0.0005	06	-57 59 15.70	-0.013	06	0.14	1.011	14	45.7	15.65	14	45.7	A2	C0	6537	P -58 7761
42	9.8	10.1W	31 18.113	-0.0022	11	-55 59 35.69	0.011	11	0.15	18.123	14	45.7	35.74	14	45.7	A0	C0	6538	P -56 9519
43	9.7	9.4W	31 20.845	0.0025	07	-55 7 31.21	-0.017	07	0.18	20.816	15	38.7	31.02	18	38.7	F5	C9	8093	P -55 9419
44	9.2	8.9W	31 27.524	0.0010	07	-59 14 53.53	-0.019	07	0.14	27.519	14	45.7	53.45	14	45.7	F8	C0	6540	P -59 7622
45	9.9	8.3W	31 40.274	-0.0007	07	-52 39 55.82	-0.011	07	0.18	40.282	15	38.7	55.70	18	38.7	K5	C9	8095	P -5211717
46	9.5E	8.0Z	31 50.532	0.0014	12	-50 30 8.75	-0.000	12	0.64	50.468	31	02.4	8.74	28	02.4	K5	CZ	18883	P -5011392
47	9.7	9.7W	31 56.801	0.0020	11	-55 55 40.10	0.008	11	0.15	56.792	14	45.7	40.14	14	45.7	A3	C0	6543	P -56 9522
48	10.2	10.2W	32 0.795	0.0029	13	-54 7 30.93	0.033	13	0.22	0.762	15	38.7	31.30	18	38.7	A2	C9	8098	P -54 9721
49		7.7T	32 1.386	0.0016	12	-59 51 5.34	-0.029	11	0.58	1.304	19	02.2	3.85	18	99.4	K2	GC	28632	P -60 7410
50	9.7	8.6W	32 10.206	0.0037	07	-57 57 33.11	-0.038	07	0.14	10.191	14	45.7	32.95	14	45.7	K2	C0	6546	P -58 7762
51	9.0	8.7W	20 32 13.598	0.0090	07	-55 6 49.41	-0.088	07	0.18	13.496	15	38.7	48.42	18	38.7	G0	C9	8100	P -55 9425
52		9.9T	32 24.023	0.0028	12	-54 44 56.03	0.018	11	0.64	23.886	22	00.7	56.98	22	98.0	F8	GC	28647	P -55 9426
53	10.1	9.0W	32 32.507	-0.0004	08	-52 51 30.82	-0.020	08	0.19	32.512	15	38.7	30.60	18	38.7	K2	C9	8102	P -53 9913
54	8.2E	7.8Z	32 33.694	0.0024	12	-51 4 12.75	0.001	12	0.65	33.581	31	01.7	12.79	31	01.7	G5	CZ	18887	P -5111520
55	9.8	9.0W	32 48.000	-0.0019	07	-52 55 21.66	-0.014	07	0.18	48.022	15	38.7	21.50	18	38.7	K0	C9	8106	P -53 9915
56	9.3	9.1W	32 51.857	0.0036	11	-56 55 13.33	0.005	11	0.15	51.842	14	45.7	13.35	14	45.7	F2	C0	6551	P -57 9720
57	10.4E	9.5*	32 53.747	-0.0009	12	-51 35 44.36	-0.052	12	0.65	53.791	31	01.7	41.87	31	01.7	G5	CZ	18892	P -5111523
58	9.9	9.7W	33 11.121	0.0091	13	-57 22 25.03	-0.043	13	0.15	11.082	14	45.7	24.85	14	45.7	F5	C0	6553	P -57 9722
59	9.9	9.5W	33 16.237	0.0178	07	-55 39 43.06	-0.092	07	0.18	16.035	15	38.7	42.02	18	38.7	G0	C9	8108	P -55 9431
60	9.4	9.3W	33 21.624	0.0034	15	-55 39 11.95	-0.021	15	0.24	21.585	15	38.7	11.72	18	38.7	F2	C9	8109	P -55 9432
61		7.8T	33 58.872	0.0087	13	-58 2 57.86	0.032	11	0.56	58.473	18	08.9	59.32	18	04.3	F5	GC	28678	P -58 7764
62	10.2	9.8W	34 0.712	0.0022	13	-56 6 20.94	-0.072	13	0.15	0.702	14	45.7	20.64	14	45.7	G0	C0	6556	P -56 9527
63		9.7T	34 5.642	0.0023	18	-54 59 56.61	-0.028	17	0.84	5.539	24	04.9	55.33	24	04.0	F5	GC	28683K	P*-55 9435
64	10.2E	9.4Z	34 7.949	0.0054	12	-51 29 59.68	0.005	12	0.82	7.701	63	03.7	59.88	57	03.7	G0	CZ	18900	P -5111526
65	9.9	8.8W	34 11.404	0.0011	07	-52 54 52.60	-0.009	07	0.18	11.392	15	38.7	52.50	18	38.7	K0	C9	8114	P -53 9919
66		10.1T	34 11.778	0.0029	18	-55 5 56.06	0.022	20	0.90	11.646	24	03.9	57.04	24	04.5	K2	GC	28688	P -55 9436
67	9.6	9.6W	34 11.912	0.0030	07	-58 30 29.86	-0.002	07	0.14	11.899	14	45.7	29.85	14	45.7	F0	C0	6557	P -58 7765
68	9.7	8.7W	34 16.468	0.0059	07	-52 58 51.40	-0.062	07	0.18	16.402	15	38.7	50.70	18	38.7	G5	C9	8116	P -53 9920
69	10.4	9.1W	34 24.484	0.0016	06	-55 18 28.74	-0.002	06	0.18	24.466	15	38.7	28.72	18	38.7	K2	C9	8118	P -55 9438
70	9.0E	7.5Z	34 34.672	-0.0000	12	-50 47 51.89	-0.037	12	0.71	34.674	45	03.7	50.18	45	03.7	K2	CZ	18907	P -5111527
71	11.0E	9.7*	34 39.219	0.0019	12	-50 18 8.45	-0.074	12	0.64	39.128	31	02.4	4.91	28	02.4	F0	CZ	18908	P -5011402
72	10.5	9.1W	34 39.724	-0.0034	09	-52 1 13.19	0.027	09	0.20	39.762	15	38.7	13.50	18	38.7	K5	C9	8119	P -5211725
73	9.7	9.5W	34 57.895	0.0034	09	-58 1 19.58	-0.055	09	0.15	57.881	14	45.7	19.35	14	45.7	F5	C0	6562	P -58 7768
74		8.7T	35 9.207	0.0080	16	-55 18 3.10	-0.036	16	0.69	8.865	19	09.8	1.54	21	07.2	F2	GC	28706	P -55 9441
75	9.3	9.0W	35 11.787	-0.0093	13	-54 51 26.12	-0.026	13	0.22	11.892	15	38.7	25.82	18	38.7	G0	C9	8122	P -55 9442
76	8.5	8.3W	35 16.457	0.0049	07	-54 1 50.72	-0.054	07	0.18	16.402	15	38.7	50.10	18	38.7	F0	C9	8123	P -54 9729
77	10.0	9.8W	35 16.527	0.0044	13	-59 41 5.26	-0.003	13	0.15	16.508	14	45.7	5.25	14	45.7	F8	C0	6564	P -59 7626
78	10.1	9.8W	35 40.397	0.0102	15	-54 55 15.16	0.014	15	0.24	40.282	15	38.7	15.32	18	38.7	F5	C9	8124	P -55 9446
79	9.7E	8.0Z	35 42.302	-0.0000	12	-50 49 41.37	0.001	12	0.64	42.304	28	01.7	41.42	26	01.7	K0	CZ	18915	P -5111533
80	9.1	8.8W	35 42.687	-0.0058	07	-52 26 55.53	-0.135	07	0.18	42.752	15	38.7	54.00	18	38.7	F8	C9	8125	P -5211731
81	8.4	8.4W	36 12.402	-0.0009	07	-53 34 12.56	0.022	07	0.18	12.412	15	38.7	12.80	18	38.7	A3	C9	8127	P -53 9922
82	8.3E	8.2Z	36 36.989	0.0043	12	-51 24 23.95	-0.050	12	0.65	36.783	31	01.7	21.55	31	01.7	F8	CZ	18921	P -5111541
83	9.4	8.5W	36 41.496	0.0020	06	-59 31 10.25	-0.002	06	0.14	41.488	14	45.7	10.25	14	45.7	G5	C0	6570	P -59 7628
84	9.4	8.9W	36 42.773	0.0081	06	-54 11 41.20	-0.203	06	0.18	42.682	15	38.7	38.90	18	38.7	G5	C9	8128	P -54 9733
85	9.6	9.2W	36 57.247	0.0040	07	-59 22 5.81	-0.039	07	0.14	57.229	14	45.7	5.65	14	45.7	F8	C0	6572	P -59 7629
86	9.2	9.0W	36 59.028	-0.0033	07	-56 9 37.78	-0.011	07	0.14	59.042	14	45.7	37.74	14	45.7	F5	C0	6573	P -56 9534
87	10.1	9.6W	37 9.780	-0.0002	15	-52 1 2.91	-0.072	15	0.24	9.782	15	38.7	2.10	18	38.7	F8	C9	8130	P -5211736
88	10.1E	9.4Z	37 15.685	-0.0011	12	-50 32 47.40	-0.005	12	0.71	15.736	45	03.7	47.16	45	03.7	F5	CZ	18927	P -5011411
89		7.3T	37 16.784	0.0152	17	-55 46 59.52	-0.039	12	0.70	16.042	21	05.8	57.64	19	01.2	K0	GC	28779	P -56 9535
90	10.0E	9.0Z	37 18.804	-0.0008	12	-50 17 54.16	0.016	12	0.71	18.840	45	03.7	54.89	45	03.7	K2	CZ	18928	P -5011412
91	10.4	8.9W	37 21.800	-0.0038	07	-52 3 31.88	-0.016	07	0.18	21.842	15	38.7	31.70	18	38.7	MA	C9	8132	P -5211738
92	8.8	8.1W	37 43.880	-0.0037	07	-52 39 25.09	-0.070	07	0.18	43.922	15	38.7	24.30	18	38.7	G5	C9	8133	P -5211741
93	10.0E	9.0Z	37 50.949	0.0040	12	-50 24 40.48	-0.024	12	0.71	50.763	45	03.7	39.37	45	03.7	G0	CZ	18934	P -5011413
94	9.5	7.9W	37 51.130	0.0028	06	-59 37 26.20	-0.012	06	0.14	51.118	14	45.7	26.15	14	45.7	K5	C0	6578	P -59 7631
95	9.5	8.7W	37 57.063	0.0031	06	-59 11 13.49	-0.033	06	0.14	57.049	14	45.7	13.35	14	45.7	G0	C0	6580	P -59 7632
96	9.9	8.6W	38 5.460	0.0016	06	-54 44 13.62	-0.009	06	0.18	5.442	15	38.7	13.52	18	38.7	K5	C9	8135	P -55 9453
97	9.6	9.3W	38 21.061	0.0092	07	-56 58 54.70	-0.081	07	0.14	21.022	14	45.7	54.35	14	45.7	F8	C0	6582	P -57 9744
98		10.1T	38 21.444	0.0024	11	-55 17 21.82	0.015	10	0.60	21.315	22	97.8	22.59	21	96.7	K2	GC	28811	P -55 9455
99	8.9E	7.5Z	38 25.824	0.0020	12	-50 26 28.08	-0.015	12	0.71	25.731	45	03.7	27.39	45	03.7	MA	CZ	18941	P -5011416
00	9.2	9.2W	38 41.986	0.0078	07	-55 51 17.54	-0.048	07	0.14	41.953	14	45.7	17.34	14	45.7	A5	C0	6583	P -56 9539

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	10.3	9.4W	20 38 46.556	0.0119	07	-54 24 26.35	-0.013	07	0.18	46.422	15	38.7	26.20	18	38.7	KO		C9	8138	P -54 9738
2	10.2	9.3W	38 46.817	-0.0040	07	-52 39 52.20	-0.053	07	0.18	46.862	15	38.7	51.60	18	38.7	K2		C9	8139	P -5211743
3	7.9E	8.0Z	39 23.256	0.0043	12	-50 39 31.98	0.006	12	0.62	23.054	28	02.7	32.26	26	02.7	F0		CZ	18948	P -5011417
4	10.4	9.6W	39 24.838	0.0041	07	-57 53 46.37	-0.028	07	0.14	24.821	14	45.7	46.25	14	45.7	K0		C0	6586	P -58 7773
5	9.9E	9.0Z	39 36.410	0.0044	12	-50 10 4.44	-0.028	12	0.62	36.201	28	02.7	3.11	26	02.7	G5		CZ	18950	P -5011418
6	10.2	9.8W	39 43.671	-0.0036	09	-54 50 42.13	-0.098	09	0.20	43.712	15	38.7	41.02	18	38.7	G0		C9	8141	P -55 9457
7	8.1	8.0W	39 57.364	0.0019	06	-51 38 51.87	-0.042	06	0.18	57.342	15	38.7	51.40	18	38.7	F0		C9	8143	P -5211749
8	9.4	9.4W	40 5.621	0.0030	06	-59 59 30.82	-0.017	06	0.14	5.608	14	45.7	30.75	14	45.7	A3		C0	6587	P -60 7421
9		4.7M	40 22.692	0.0175	03	-52 6 4.59	-0.055	03	0.12	22.127	06	17.8	2.70	06	15.3	F0		F4	776	P -5211752
10	8.6	8.6W	40 33.259	-0.0038	06	-54 1 29.65	-0.057	06	0.18	33.302	15	38.7	29.00	18	38.7	F2		C9	8146	P -54 9741
11	10.6	10.0W	40 37.301	0.0017	09	-54 1 54.17	-0.032	09	0.20	37.282	15	38.7	53.80	18	38.7	G5	O	C9	8148	P -54 9742
12		10.0T	40 37.297	0.0016	12	-55 16 47.61	-0.005	10	0.61	37.209	22	99.5	47.31	21	95.4	F2		GC	28864	P -55 9458
13	10.3	9.4W	41 4.605	-0.0006	09	-52 50 24.13	-0.012	09	0.20	4.612	15	38.7	24.00	18	38.7	K2		C9	8150	P -53 9934
14	9.3	8.5W	41 18.056	0.0089	06	-59 46 45.55	-0.023	06	0.14	18.018	14	45.7	45.45	14	45.7	G5		C0	6588	P -60 7422
15		7.5T	41 22.068	-0.0007	13	-50 40 10.28	-0.002	10	0.65	22.106	18	99.3	10.16	19	93.1	A0		GC	28862K	C*-5013114
16	9.9	9.6W	41 30.387	0.0080	06	-56 16 46.39	-0.060	06	0.14	30.352	14	45.7	46.14	14	45.7	F8		C0	6589	P -56 9547
17		7.3T	41 33.022	0.0006	13	-50 41 18.70	-0.010	11	0.66	32.980	18	00.1	18.14	19	95.0	G5		GC	28890	C -5013115
18	8.8	8.7W	41 35.920	0.0025	07	-54 57 24.18	-0.014	07	0.18	35.892	15	38.7	24.02	18	38.7	F0		C9	8151	P -55 9461
19	9.5E	9.2Z	41 54.567	0.0063	12	-51 16 16.42	-0.063	12	0.82	54.277	63	03.7	13.50	57	03.7	G0		CZ	18968	P -5111553
20	8.6	8.4W	41 56.682	0.0001	06	-57 8 8.03	-0.042	06	0.14	56.682	14	45.7	7.85	14	45.7	F5		C0	6590	P -57 9750
21	9.3E	9.2Z	42 1.087	0.0029	12	-51 31 49.55	-0.024	12	0.65	0.947	31	01.6	48.36	31	01.6	F5		CZ	18969	P -5111555
22	9.8E	9.7Z	42 2.630	0.0030	12	-51 13 37.44	-0.067	12	0.82	2.493	63	03.7	34.34	57	03.7	F8		CZ	18970	P -5111556
23	9.5	9.2W	42 28.404	0.0010	09	-59 6 56.87	-0.028	09	0.15	28.399	14	45.7	56.75	14	45.7	F5		C0	6591	P -59 7635
24	10.2E	9.5Z	42 38.265	0.0015	12	-51 26 54.92	-0.021	12	0.82	38.193	63	03.7	53.97	57	03.7	K0		CZ	18979	P -5111557
25		6.6T	42 51.171	0.0014	12	-50 59 17.53	0.008	12	0.59	51.112	19	06.6	17.92	19	00.7	K0		GC	28921	C -5112699
26	10.1	9.5W	42 56.651	-0.0093	11	-58 18 38.07	-0.005	11	0.15	56.691	14	45.7	38.05	14	45.7	G5		C0	6592	P -58 7775
27	9.8	9.6W	43 3.453	0.0028	08	-58 28 51.24	0.001	08	0.14	3.441	14	45.7	51.25	14	45.7	F8		C0	6593	P -58 7776
28	10.4	10.0W	43 13.541	-0.0027	13	-52 35 5.03	-0.021	13	0.22	13.572	15	38.7	4.80	18	38.7	G0		C9	8155	P -5211768
29	9.0	7.9W	43 18.494	0.0007	06	-58 5 4.38	-0.008	06	0.14	18.491	14	45.7	4.35	14	45.7	K0		C0	6594	P -58 7777
30	10.2E	9.3Z	43 45.709	0.0006	12	-50 21 40.85	0.002	12	0.71	45.680	45	03.7	40.94	45	03.7	F0		CZ	18988	P -5011434
31		7.5T	43 47.296	0.0001	18	-50 43 45.70	-0.059	14	0.82	47.288	17	01.7	42.70	18	99.3	K0		GC	28951	C -5013132
32	9.8	9.1W	44 28.654	-0.0007	07	-52 44 43.31	-0.028	07	0.18	28.662	15	38.7	43.00	18	38.7	G5		C9	8158	P -53 9939
33	8.5	7.7W	44 37.584	0.0054	06	-57 53 27.69	0.012	06	0.14	37.561	14	45.7	27.75	14	45.7	G5		C0	6597	P -58 7778
34	10.6	9.8W	44 40.884	-0.0013	09	-59 9 15.62	-0.040	09	0.15	40.889	14	45.7	15.45	14	45.7	K0		C0	6598	P -59 7639
35	10.1E	8.5Z	44 49.427	-0.0013	12	-50 8 11.03	0.006	12	0.64	49.488	31	02.4	11.31	28	02.4	K0		CZ	19000	P -5011439
36		7.4T	44 52.572	0.0054	11	-59 25 9.20	-0.028	08	0.46	52.303	17	08.2	7.79	17	00.2	A0		GC	28972	P*-59 7640
37	10.2E	9.2Z	45 4.933	-0.0018	12	-50 41 40.99	0.006	12	0.71	5.018	45	03.7	41.26	45	03.7	K2		CZ	19003	P -5011441
38	10.3E	9.4*	45 5.050	0.0069	12	-51 26 58.87	0.003	12	0.65	4.714	31	01.7	59.04	31	01.7	G0		CZ	19001	P -5111566
39		10.2T	45 16.252	0.0035	17	-55 23 42.46	-0.034	20	0.84	16.097	24	05.5	40.94	24	06.1	A5		GC	28983	P -55 9464
40	10.1	10.1W	45 17.864	0.0008	08	-58 21 43.63	0.003	08	0.14	17.861	14	45.7	43.65	14	45.7	A5		C0	6602	P -58 7780
41	10.0	9.3W	45 22.538	-0.0007	09	-58 4 25.99	0.013	09	0.15	22.541	14	45.7	26.05	14	45.7	K0		C0	6603	P -58 7781
42	10.1	9.3W	45 28.604	0.0232	07	-54 57 34.19	-0.280	07	0.18	24.342	15	38.7	31.02	18	38.7	K0		C9	8161	P -55 9465
43	8.5	8.2W	45 34.579	0.0042	06	-52 53 32.24	-0.057	06	0.18	34.532	15	38.7	31.60	18	38.7	F5		C9	8162	P -53 9942
44	8.7	8.2W	45 51.149	0.0067	06	-52 4 36.66	0.021	06	0.18	51.072	15	38.7	36.90	18	38.7	G0		C9	8163	P -5211774
45	9.7E	9.2Z	45 56.595	-0.0020	12	-51 3 37.65	0.002	12	0.82	56.689	63	03.7	37.73	57	03.7	F2		CZ	19017	P -5111568
46	10.2	9.9W	46 5.634	0.0002	08	-53 48 42.99	0.010	08	0.19	5.632	15	38.7	43.10	18	38.7	F8		C9	8164	P -54 9756
47	9.9	9.5W	46 11.104	0.0033	09	-58 57 53.99	-0.034	09	0.15	11.089	14	45.7	53.85	14	45.7	F5		C0	6605	P -59 7642
48	10.2	9.3W	46 20.452	-0.0026	15	-52 31 8.09	-0.008	15	0.24	20.482	15	38.7	8.00	18	38.7	K0		C9	8165	P -5211775
49	9.7	8.2W	46 37.443	-0.0015	07	-59 6 37.45	-0.001	07	0.14	37.449	14	45.7	37.45	14	45.7	K2		C0	6607	P -59 7644
50	10.5E	9.6*	46 40.740	0.0035	12	-50 58 46.88	-0.026	12	0.65	40.573	31	01.7	45.62	31	01.7	F5		CZ	19025	P -5111570
51		9.7T	20 46 53.727	0.0054	17	-55 33 28.74	-0.015	17	0.81	53.478	24	04.2	28.07	24	03.8	K2		GC	29027	P -55 9468
52	9.8	9.2W	46 54.217	0.0127	06	-56 25 34.27	-0.218	06	0.14	54.162	14	45.7	33.34	14	45.7	G5		C0	6608	P -56 9553
53	9.1	8.8W	46 58.462	0.0061	07	-52 29 0.90	-0.053	07	0.18	58.392	15	38.7	0.30	18	38.7	F8		C9	8167	P -5211777
54	9.1	8.8W	47 0.148	0.0018	07	-57 32 7.32	-0.017	07	0.14	0.141	14	45.7	7.25	14	45.7	F8		C0	6609	P -57 9756
55	10.5E	8.5Z	47 17.472	-0.0013	12	-50 11 51.39	0.010	12	0.64	17.533	31	02.4	51.86	28	02.4	K0		CZ	19029	P -5011449
56	10.3	10.2W	47 25.661	-0.0028	15	-52 18 0.06	0.021	15	0.24	25.692	15	38.7	0.30	18	38.7	F8		C9	8168	P -5211778
57	9.2	9.1W	47 28.702	0.0026	06	-57 38 59.69	-0.010	06	0.14	28.691	14	45.7	59.65	14	45.7	A2		C0	6610	P -57 9758
58	9.3	9.0W	47 34.275	0.0003	06	-54 24 31.21	-0.027	06	0.18	34.272	15	38.7	30.90	18	38.7	G0		C9	8169	P -54 9758
59	9.3	8.9W	47 36.157	-0.0022	07	-52 48 42.89	0.027	07	0.18	36.182	15	38.7	43.20	18	38.7	G0		C9	8170	P -53 9949
60	8.7	8.5W	47 45.473	0.0074	07	-56 34 32.58	-0.030	07	0.14	45.442	14	45.7	32.45	14	45.7	F8		C0	6611	P -56 9555
61	8.7E	8.5Z	47 49.384	-0.0033	12	-50 50 15.47	0.023	12	0.82	49.539	63	03.7	16.53	57	03.7	F5		CZ	19034	P -5111576
62		5.2T	47 53.819	0.0010	06	-51 47 45.74	-0.010	05	0.25	53.778	09	08.8	45.31	09	05.4	K0		GC	29055	P*-5211782
63	9.1	8.1W	48 55.111	-0.0025	07	-56 54 30.34	-0.021	07	0.14	55.122	14	45.7	30.25	14	45.7	K0		C0	6613	P -57 9762
64	10.3	9.7W	48 57.052	-0.0000	09	-53 13 15.53	-0.056	09	0.20	57.052	15	38.7	14.90	18	38.7	G0		C9	8175	P -53 9956
65		7.7T	49 1.661	0.0063	17	-53 27 41.66	-0.065	13	0.75	1.367	18	03.2	38.46	19	00.6	F8		GC	29083	P -53 9957
66	9.8	8.6W	49 10.923	0.0010	07	-54 45 9.66	0.005	07	0.18	10.912	15	38.7	9.71	18	38.7	K0		C9	8177	P -55 9477
67		7.7T	49 17.577	0.0039	17	-56 24 33.44	-0.007	13	0.72	17.388	21	05.7	33.08	19	01.7	K0		GC	29087	P -56 9557
68	9.4E	8.5Z	49 20.159	0.0019	12	-50 42 39.78	-0.006	12	0.64	20.071	31	02.4	39.49	28	02.4	G5		CZ	19046	P -5011455
69	10.7	9.3W	49 20.480	-0.0002	09	-53 3 48.48	-0.025	09	0.20	20.482	15	38.7	48.20	18	38.7	MA		C9	8179	P -53 9959
70	9.7	9.5W	49 28.272	0.0053	06	-59 23 13.63	-0.090	06	0.14	28.249	14	45.7	13.25	14	45.7	F8		C0	6616	P -59 7647
71		7.4T	49 32.411	0.0027	17	-51 54 17.57	-0.055	12	0.73	32.289	21	04.4	14.84	19	00.0	A0		GC	29095	P -5211786
72	8.8	8.7W	49 45.865	-0.0007	05	-59 48 29.15	0.000	05	0.14	45.868	14	45.7	29.15	14	45.7	F5		C0	6617	P -60 7433
73		7.6T	49 46.710	0.0023	11	-59 53 51.59	0.005	09	0.47	46.606	17	09.1	51.79	17	05.1	A0		GC	29106	P -60 7434
74	10.5	9.3W	49 57.083	-0.0008	09	-52 31 16.89	-0.026	09	0.20	57.092	15	38.7	16.60	18	38.7	K2		C9	8181	P -5211787
75	9.0	8.9W	49 59.524	0.0014	06	-59 52 15.22	-0.016	06	0.14	59.518	14	45.7	15.15	14	45.7	F2		C0	6619	P -60 7435
76		8.1T	50 0.460	0.0050	16	-55 46 38.92	-0.029	16	0.74	6.235	21	06.2	37.59	22	05.0	F0		GC	29117K	P*-56 9559
77	10.9E	10.0Z	50 7.156	0.0015	12	-50 24 50.57	-0.045	12	0.64	7.083	31	02.4	48.42	28	02.4	G0		CZ	19056	P -5011459
78	9.8	8.4W	50 17.683	0.0010	15	-53 36 33.20	0.009	15	0.24	17.672	15	38.7	33.30	18	38.7	K2		C9	8183	P -53 9962
79	9.7	9.5W	50 37.561	-0.0025	07	-56 49 39.31	0.032	07	0.14	37.572	14	45.7	39.45	14	45.7	F2		C0	6620	P -57 9766
80	9.8	8.6W	50 43.144	0.0001	07	-52 12 48.42	-0.002	07	0.18	43.142	15	38.7	48.40	18	38.7	K2		C9	8184	P -5211789
81	9.4	8.0W	50 44.054	0.0011	06	-53 46 47.56	-0.014	06	0.18	44.042	15	38.7	47.40	18	38.7	K2		C9	8185	P -54 9761
82	9.8	9.3W	50 47.608	0.0050	13	-54 18 38.59	0.037	13	0.22	47.552	15	38.7	39.00	18	38.7	G0		C9	8186	P -54 9762
83	10.0	9.8W	50 48.604	0.0011	15	-54 21 50.15	0.005	15	0.24	48.592	15	38.7	50.20	18	38.7	F0		C9	8187	P -54 9763
84		3.7H	50 55.080	0.0031	02	-58 38 40.20	-0.022	02	0.10	54.969	06	14.6	39.44	05	15.4	K0		F4	785	P -58 7788
85	8.6	8.4W	50 56.531	-0.0018	08	-52 42 50.45	-0.013	08	0.19	56.552	15	38.7	50.30	18	38.7	F5		C9	8188	P -5211790
86		6.5T	51 1.445	0.0004	12	-50 55 4.66	-0.032	11	0.59	1.429	17	04.1	3.04	17	99.2	B9		GC	29137	C*-5112748
87	9.8	9.5W	51 8.717	-0.0172	15	-54 38 1.72	0.018	15	0.24	8.912	15	38.7	1.91	18	38.7	G0		C9	8189	P -54 9764
88	10.2	10.0W	51 15.884	0.0010	07	-52 11 40.77	-0.024	07	0.18	15.872	15	38.7	40.50	18	38.7	G0		C9	8190	P -5211791
89		9.9T	51 22.872	0.0024	12	-55 39 7.37	-0.005	10	0.61	22.741	22	99.7	7.13	21	95.4	F5		GC	29145	P -55 9481
90		7.2T	51 31.240	0.0129	13	-52 18 34.41	-0.117	12	0.65	30.633	21	02.9	28.54	19	99.6	G5		GC	29152K	P*-5211793
91	9.2	8.3W	51 32.357	-0.0009	13	-58 3 30.59	0.013	13	0.15	32.361	14	45.7	30.65	14	45.7	G5		C0	6623	P -58 7791
92		7.0T	51 40.785	0.0039	18	-53 46 49.36	0.015	13	0.75	40.612	21	06.1	50.09	19	02.0	K0		GC	29157	P*-54 9765
93	10.1	10.2W	51 45.801	-0.0047	09	-56 55 59.15	-0.024	09	0.15	45.822	14	45.7	59.05	14	45.7	A3		C0	6624	P -57 9768
94	10.3	9.3W	52 6.167	0.0011	09	-56 6 56.21	-0.017	09	0.15	6.162	14	45.7	56.14	14	45.7	K	O	C0	6625	P -56 9563
95	10.5E	9.0Z	52 14.041	0.0009	12	-51 0 47.39	-0.006	12	0.65	14.000	31	02.5	47.10	31	02.5	K0		CZ	19076	P -5111587
96		7.8T	52 19.406	0.0006	16	-57 45 43.64	-0.002	12	0.67	19.376	21	06.2	43.54	19	02.1	G5		GC	29173	P -58 7793
97		7.4T	52 26.951	0.0055	12	-55 24 50.12	-0.051	11	0.59	26.667	19	01.6	47.47	19	98.5	K0		GC	29180	P -55 9484
98	9.3	7.8W	52 28.173	0.0010	06	-54 4 29.04	0.006	06	0.18	28.162	15	38.7	29.10	18	38.7	MB		C9	8199	P -54 9770
99		7.7T	52 31.238	0.0021	14	-59 27 55.55	-0.035	11	0.61	31.136	18	04.5	53.85	17	01.9	G0		GC	29184K	P*-59 7652
00	9.9	9.1W	52 32.797	-0.0058	07	-51 49 31.27	-0.139	07	0.18	32.862	15	38.7	29.70	18	38.7	G5		C9	8200	P -5211796

246800

-50° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.5E	9.0Z	20 52 34.500	-0.0006	12	-50 13 4.89	-0.004	12	0.63	34.527	31	03.0	5.07	28	03.0	K0	CZ	19083	P -5011467
2	9.9	9.9W	53 12.375	0.0084	09	-59 14 33.76	-0.003	09	0.15	12.339	14	45.7	33.75	14	45.7	A0	CO	6631	P -59 7653
3	8.4	8.4W	53 18.964	0.0015	07	-59 35 30.60	-0.036	07	0.14	18.958	14	45.7	30.45	14	45.7	A5	CO	6633	P -59 7654
4	8.5	7.9W	53 27.814	0.0057	07	-59 16 5.02	-0.063	07	0.14	27.789	14	45.7	4.75	14	45.7	G5	CO	6634	P*-59 7657
5	10.3E	9.1*	53 30.033	-0.0005	12	-50 42 39.92	-0.032	12	0.63	30.058	31	03.0	38.41	28	03.0	F8	CZ	19089	P -5011468
6	9.4	8.4W	54 16.175	0.0005	07	-56 8 37.71	-0.018	07	0.14	16.172	14	45.7	37.64	14	45.7	G5	CO	6636	P -56 9571
7	8.8	8.4W	54 19.797	-0.0029	06	-58 41 51.35	-0.071	06	0.14	19.809	14	45.7	51.05	14	45.7	G5	CO	6637	P -58 7797
8	8.9	8.5W	54 23.950	0.0017	06	-56 2 46.87	-0.078	06	0.14	23.942	14	45.7	46.54	14	45.7	G0	CO	6638	P -56 9572
9	8.8	8.7W	54 33.026	0.0032	07	-56 7 41.42	-0.043	07	0.14	33.012	14	45.7	41.24	14	45.7	F8	CO	6640	P -56 9574
10	9.1	8.8W	54 40.034	0.0034	06	-58 49 49.70	-0.106	06	0.14	40.019	14	45.7	49.25	14	45.7	F8	CO	6641	P -59 7659
11		9.8T	54 48.141	0.0011	12	-55 59 31.01	-0.019	11	0.65	48.084	22	00.5	30.05	22	98.0	F8	GC	29240	P -56 9575
12	10.2	8.8W	54 51.002	-0.0017	09	-54 33 33.25	-0.011	09	0.20	51.022	15	38.7	33.12	18	38.7	K2	C9	8210	P -54 9776
13		8.3T	55 36.629	-0.0011	13	-59 3 13.42	0.002	11	0.53	36.677	17	09.4	13.49	15	06.1	K0	GC	29260	P -59 7660
14	9.7	8.6W	55 48.398	-0.0018	07	-53 55 58.50	-0.052	07	0.18	48.452	15	38.7	57.91	18	38.7	K0	C9	8211	P -54 9778
15	10.3	9.5W	55 53.219	-0.0003	09	-58 14 14.27	-0.006	09	0.15	53.221	14	45.7	14.25	14	45.7	G5	CO	6645	P -58 7798
16	10.3	9.7W	55 55.139	-0.0011	09	-53 47 39.50	-0.035	09	0.20	55.152	15	38.7	39.10	18	38.7	G5	C9	8212	P -54 9780
17	9.9	8.8W	55 56.308	0.0023	07	-54 11 32.77	-0.006	07	0.18	56.282	15	38.7	32.70	18	38.7	G5	C9	8213	P -54 9779
18	9.1	8.3W	56 4.126	0.0162	07	-52 22 4.42	-0.188	07	0.18	3.942	15	38.7	2.30	18	38.7	G5	C9	8214	P -5211799
19	9.0	8.7W	56 19.256	0.0004	07	-53 38 11.48	-0.060	07	0.18	19.252	15	38.7	10.80	18	38.7	F2	C9	8216	P -53 9975
20		5.9T	56 48.595	-0.0109	08	-51 27 46.29	0.133	06	0.30	49.024	09	10.8	52.00	09	07.0	F5	GC	29288	C -5112778
21	10.4	9.1W	56 50.718	0.0028	09	-55 6 56.42	0.000	09	0.20	50.686	15	38.7	56.42	18	38.7	K2	C9	8218	P -55 9495
22	9.9	9.7W	56 56.002	0.0086	09	-57 52 0.37	-0.005	09	0.15	55.961	14	45.7	0.35	14	45.7	G5	CO	6646	P -58 7799
23	9.3	8.4W	57 2.598	-0.0003	07	-54 48 41.87	-0.013	07	0.18	2.592	15	38.7	42.02	18	38.7	G5	C9	8220	P -55 9498
24		6.3T	57 4.537	-0.0001	11	-53 56 5.02	-0.018	08	0.48	4.540	15	05.1	4.08	18	97.5	K5	GC	29295	P -54 9785
25	9.1	8.3W	57 6.283	0.0009	06	-58 55 46.49	-0.010	06	0.14	6.279	14	45.7	46.45	14	45.7	K0	CO	6647	P -59 7662
26	9.6	8.7W	57 21.962	0.0026	06	-58 26 4.37	-0.006	06	0.14	21.951	14	45.7	4.35	14	45.7	K0	CO	6650	P -58 7800
27	10.0	9.2W	57 36.033	-0.0017	07	-54 2 52.68	-0.051	07	0.18	36.052	15	38.7	52.10	18	38.7	K0	C9	8223	P -54 9787
28	10.2	10.1W	57 37.492	0.0004	09	-57 48 35.53	0.005	09	0.15	37.491	14	45.7	35.55	14	45.7	F8	CO	6651	P -58 7801
29	9.4E	9.0Z	58 34.574	0.0025	12	-50 15 7.56	-0.039	12	0.70	34.460	45	04.7	5.78	45	04.7	F0	CZ	19134	P -5011480
30	10.1E	9.2Z	58 38.025	0.0008	12	-50 47 35.47	0.012	12	0.70	37.990	45	04.7	36.01	45	04.7	F5	CZ	19135	P -5111600
31		8.3T	59 0.490	0.0039	15	-50 12 4.60	-0.006	13	0.73	0.300	19	01.2	4.28	18	98.6	A2	GC	29347	C -5013214
32	10.2E	9.5Z	59 7.297	0.0257	12	-50 41 21.95	-0.100	12	0.63	6.091	31	03.0	17.24	28	03.0	K2	CZ	19140	P -5111482
33	10.0	8.6W	59 11.360	0.0015	07	-52 6 9.92	-0.002	07	0.18	11.342	15	38.7	9.90	18	38.7	K2	C9	8227	P -5211809
34	9.5	9.1W	59 14.755	0.0063	06	-56 7 28.84	-0.023	06	0.14	14.732	14	45.7	28.74	14	45.7	F5	CO	6652	P -56 9583
35	9.4	9.0W	59 21.397	0.0018	06	-58 41 43.31	0.009	06	0.14	21.389	14	45.7	43.35	14	45.7	F8	CO	6653	P -58 7802
36		8.0T	59 31.250	-0.0116	16	-52 57 55.49	-0.054	12	0.70	31.782	21	04.2	52.77	19	99.4	G5	GC	29355	P -53 9978
37	10.0	9.8W	59 50.941	0.0065	11	-56 20 1.91	-0.017	11	0.15	50.912	14	45.7	1.84	14	45.7	F8	CO	6654	P -56 9584
38		7.8T	59 55.437	-0.0042	16	-53 5 15.24	0.022	12	0.69	55.630	21	04.2	16.34	18	00.2	M0	GC	29369	P -53 9979
39	10.5E	9.2Z	21 0 13.394	0.0119	12	-50 0 53.07	-0.080	12	0.70	12.853	45	04.7	49.44	45	04.7	G0	CZ	19148	P -5011484
40	10.2E	9.4Z	0 21.084	0.0027	12	-50 54 4.41	-0.015	12	0.80	20.966	63	05.6	3.74	57	05.6	F2	CZ	19149	P -5111602
41	9.6	9.4W	0 24.318	0.0043	09	-58 48 10.55	0.000	09	0.15	24.299	14	45.7	10.55	14	45.7	F8	CO	6656	P -59 7666
42	8.9	8.3W	0 30.351	0.0120	20	-55 31 59.05	-0.021	20	0.28	30.215	15	38.7	58.82	18	38.7	G0	C9	8232	P -55 9505
43	8.9	8.3W	0 31.193	0.0148	07	-55 31 48.81	-0.088	07	0.18	31.025	15	38.7	47.82	18	38.7	G0	C9	8233	P -55 9506
44	9.4	8.5W	0 34.639	0.0086	06	-54 35 9.20	-0.007	06	0.18	34.542	15	38.7	9.11	18	38.7	G5	C9	8234	P -54 9794
45		7.5T	0 42.664	0.0002	09	-59 7 54.76	-0.016	07	0.43	42.653	18	00.7	53.85	15	94.4	A2	GC	29391	P -59 7667
46		6.5T	0 43.149	0.0002	17	-50 38 2.17	-0.005	13	0.77	43.137	24	03.2	2.42	21	98.8	K2	GC	29392	C -5013225
47		8.3T	0 49.544	-0.0018	15	-52 5 40.90	-0.005	12	0.68	49.629	21	03.3	40.67	19	99.3	F2	GC	29395	P -5211815
48	9.3	9.0W	0 51.959	0.0022	06	-59 29 28.60	-0.059	06	0.14	51.949	14	45.7	28.35	14	45.7	F8	CO	6659	P -59 7668
49	9.8	9.7W	1 4.413	0.0042	07	-55 32 5.02	-0.054	07	0.18	4.365	15	38.7	4.42	18	38.7	F8	C9	8237	P -55 9508
50		7.3T	1 5.535	0.0017	17	-51 28 25.47	0.030	11	0.73	5.452	19	02.4	27.03	18	98.0	K0	GC	29405	C -5112801
51	10.4E	9.4Z	21 1 13.086	-0.0002	12	-50 47 46.37	0.006	12	0.70	13.097	45	04.7	46.64	45	04.7	A0	CZ	19159	P -5111605
52	9.4	9.0W	1 18.244	0.0019	07	-51 55 59.65	-0.014	07	0.18	18.222	15	38.7	59.50	18	38.7	F5	C9	8238	P -5211817
53	10.0	8.9W	1 22.458	-0.0011	07	-56 19 12.76	-0.052	07	0.14	22.462	14	45.7	12.54	14	45.7	K0	CO	6660	P -56 9587
54		5.2T	1 34.302	0.0013	08	-54 55 34.61	-0.033	06	0.33	34.252	12	11.3	33.17	12	06.2	K0	GC	29420	P*-55 9509
55	9.9	9.9W	1 35.118	0.0014	15	-54 0 6.08	0.002	15	0.24	35.102	15	38.7	6.10	18	38.7	F0	C9	8240	P -54 9797
56	10.3	9.4W	1 39.111	0.0167	09	-59 20 16.93	-0.042	09	0.15	39.039	14	45.7	16.75	14	45.7	K0	CO	6663	P -59 7670
57	9.6	9.4W	1 41.148	-0.0030	15	-54 22 2.86	-0.005	15	0.24	41.182	15	38.7	2.80	18	38.7	F2	C9	8241	P -54 9798
58	10.4E	9.5Z	1 42.217	0.0034	12	-50 41 32.72	0.009	12	0.63	42.059	31	03.0	33.14	28	03.0	F5	CZ	19165	P -5011487
59	8.6	8.2W	2 1.093	0.0005	07	-57 56 11.84	0.002	07	0.14	1.091	14	45.7	11.85	14	45.7	F8	CO	6664	P -58 7805
60	9.8	8.8W	2 1.465	0.0031	07	-57 3 9.94	0.002	07	0.14	1.452	14	45.7	9.95	14	45.7	K0	CO	6665	P -57 9788
61	9.9	9.3W	2 4.031	0.0016	07	-52 2 46.67	0.011	07	0.18	4.012	15	38.7	46.80	18	38.7	G0	C9	8242	P -5211819
62	9.8E	9.2Z	2 4.770	0.0026	12	-50 20 38.62	-0.052	12	0.70	4.651	45	04.7	36.26	45	04.7	F5	CZ	19169	P -5011488
63	9.0	8.0W	2 14.889	-0.0005	07	-57 47 33.84	0.002	07	0.14	14.891	14	45.7	33.85	14	45.7	K0	CO	6666	P -58 7806
64	8.6	8.1W	2 17.312	0.0187	06	-57 20 40.27	-0.215	06	0.14	17.232	14	45.7	39.35	14	45.7	G0	CO	6667	P -57 9789
65	10.8	10.4W	2 19.393	0.0027	07	-52 7 3.89	-0.008	07	0.18	19.362	15	38.7	3.80	18	38.7	F8	C9	8243	P -5211820
66	8.9	8.7W	2 30.330	0.0033	07	-52 34 44.74	0.005	07	0.18	30.292	15	38.7	44.80	18	38.7	F5	C9	8246	P -5211821
67	8.7	8.5W	2 30.742	0.0036	06	-53 6 52.90	0.017	06	0.18	30.702	15	38.7	53.10	18	38.7	F5	C9	8247	P -53 9986
68	10.3	9.8W	2 35.933	-0.0003	09	-55 25 56.73	0.009	09	0.20	35.936	15	38.7	56.82	18	38.7	G5	C9	8248	P -55 9512
69	10.2	9.9W	2 44.421	-0.0010	07	-52 5 47.67	-0.015	07	0.18	44.432	15	38.7	47.50	18	38.7	F0	C9	8249	P -5211822
70		7.5T	2 50.482	0.0025	17	-55 9 27.27	-0.017	13	0.72	50.360	21	05.9	26.42	19	01.5	F2	GC	29444	P -55 9513
71		9.4T	3 4.549	0.0171	26	-50 9 41.74	-0.309	26	1.16	3.785	21	05.3	28.10	22	05.9	G0	GC	29456	C -5013237
72	8.9	8.7W	3 5.306	0.0019	09	-59 44 12.06	0.020	09	0.15	5.298	14	45.7	12.15	14	45.7	F5	CO	6669	P -60 7450
73	9.6	8.8W	3 32.144	0.0052	07	-57 13 55.91	-0.108	07	0.14	32.122	14	45.7	55.45	14	45.7	G5	CO	6671	P -57 9791
74	9.1	8.9W	3 32.378	0.0017	07	-57 58 29.69	-0.011	07	0.14	32.371	14	45.7	29.65	14	45.7	F5	CO	6672	P -58 7809
75	9.9	9.5W	3 57.079	0.0061	11	-55 56 20.36	-0.051	11	0.15	57.052	14	45.7	20.14	14	45.7	F8	CO	6673	P -56 9591
76	9.8E	8.6Z	4 4.356	0.0114	12	-50 59 29.73	0.022	12	0.65	3.816	31	02.5	30.77	31	02.5	G5	CZ	19188	P -5111609
77	10.0	9.7W	4 6.264	0.0011	15	-53 24 38.98	0.019	15	0.24	6.252	15	38.7	39.20	18	38.7	F8	C9	8254	P -53 9991
78	9.5E	9.0Z	4 6.292	0.0047	12	-51 25 33.90	-0.055	12	0.80	6.085	63	05.6	31.47	57	05.6	F8	CZ	19189	P -5111608
79		8.6T	4 9.542	0.0036	16	-56 50 16.00	0.000	12	0.65	9.375	19	06.6	16.02	18	03.7	G0	GC	29487	P -57 9795
80		6.9T	4 13.114	0.0006	10	-54 25 3.41	-0.086	08	0.46	13.086	18	05.4	58.89	18	97.3	A3	GC	29492	P -54 9803
81	9.1	9.1W	4 14.191	0.0022	08	-55 19 25.22	-0.027	08	0.19	14.166	15	38.7	24.92	18	38.7	F0	C9	8256	P -55 9517
82	9.8	9.0W	4 19.643	-0.0017	07	-54 56 34.41	0.036	07	0.18	19.662	15	38.7	34.82	18	38.7	G5	C9	8257	P -55 9520
83	9.2	9.5W	4 20.706	-0.0027	07	-55 37 31.89	-0.016	07	0.18	20.675	15	38.7	31.72	18	38.7	A2	C9	8258	P -55 9519
84	9.9	8.8W	4 53.310	-0.0002	07	-53 28 9.35	-0.022	07	0.18	53.312	15	38.7	9.10	18	38.7	K2	C9	8261	P -53 9995
85	9.1	9.0W	5 12.410	0.0027	06	-58 32 6.76	-0.028	06	0.14	12.399	14	45.8	6.65	14	45.8	F0	CO	6677	P -58 7810
86		8.5T	5 24.473	0.0039	15	-55 29 47.46	-0.008	12	0.69	24.270	21	02.6	47.02	18	98.0	A5	GC	29534	P -55 9524
87		7.4T	5 29.842	0.0000	12	-58 4 7.68	0.025	10	0.53	29.840	17	08.0	8.87	17	02.4	F0	GC	29536	P -58 7812
88	10.0E	9.0Z	5 35.011	0.0034	12	-50 52 21.89	0.012	12	0.80	34.861	63	05.6	22.42	57	05.6	K0	CZ	19203	P -5111614
89	10.0	9.0W	6 6.603	0.0003	07	-57 8 6.08	-0.008	07	0.14	6.602	14	45.8	6.05	14	45.8	K0	CO	6682	P -57 9800
90	10.0	9.4W	6 10.844	-0.0042	15	-53 14 13.91	-0.098	15	0.24	10.892	15	38.7	12.80	18	38.7	G0	C9	8264	P -53 9999
91		7.7T	6 12.445	0.0090	15	-51 6 47.92	-0.051	11	0.63	12.063	19	07.8	45.40	19	00.7	G0	GC	29552	C -5112836
92	10.0	8.9W	6 25.924	0.0046	06	-54 57 3.18	0.004	06	0.18	25.872	15	38.7	3.22	18	38.7	K2	C9	8265	P -55 9528
93		7.2T	6 33.386	0.0031	08	-59 36 40.99	0.007	07	0.41	33.226	17	01.1	41.32	15	98.5	A3	GC	29565	P -59 7677
94		7.2T	6 46.567	0.0117	11	-54 46 39.62	-0.013	09	0.59	45.957	22	97.8	38.92	19	95.5	G0	GC	29570K	P*-55 9530
95	10.2	9.3W	7 21.909	0.0006	09	-53 41 8.26	-0.049	09	0.20	21.902	15	38.7	7.70	18	38.7	K2	C9	8269	P -5310004
96		7.0T	7 50.381	0.0010	12	-52 32 41.37	0.018	09	0.58	50.334	21	02.1	42.38	18	94.4	F8	GC	29589K	P*-5211827
97		6.9T	7 51.752	0.0025	08	-56 43 19.47	-0.018	06	0.32	51.641	14	11.1	18.67	12	06.1	K0	GC	29590	P -57 9807
98	10.1	9.0W	8 3.748	0.0031	07	-52 22 3.83	0.006	07	0.16	3.712	15	38.7	3.90	18	38.7	K0	C9	8273	P -5211828
99	9.3	9.1W	8 15.029	0.0020	07	-57 49 44.99	-0.035	07	0.14	15.021	14	45.8	44.85	14	45.8	F0	CO	6687	P -58 7816
00	9.1E	8.5Z	8 27.882	-0.0009	12	-51 16 4.15	0.012	12	0.65	27.926	31	02.6	4.71	31	02.6	F0	CZ	19233	P -5111622

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.8	8.9W	21 8 36.365	0.0009	06	-57 25 11.62	-0.017	06	0.14	36.362	14	45.8	11.55	14	45.8	A2	C0	6688	P -57 9808
2	10.0	9.2W	8 54.325	-0.0014	06	-57 50 39.94	0.001	06	0.14	54.331	14	45.8	39.95	14	45.8	G5	C0	6689	P -58 7818
3	10.9		9 2.808	0.0039	07	-56 43 5.98	-0.009	07	0.14	2.791	14	45.8	5.95	14	45.8	A0	C0	6691	P -57 9810
4	9.6	9.5W	9 5.768	-0.0004	13	-52 7 23.01	0.034	13	0.22	5.772	15	38.7	23.40	18	38.7	F0	C9	8275	P -5211829
5	10.4	9.2W	9 7.696	-0.0005	09	-59 31 40.31	-0.039	09	0.15	7.698	14	45.8	40.15	14	45.8	K0	C0	6692	P -59 7679
6	10.0E	9.1Z	9 9.481	0.0099	12	-51 31 40.99	-0.010	12	0.80	9.041	63	05.6	40.57	57	05.6	F2	CZ	19238	P -5111624
7	11.4E	9.9W	9 10.246	0.0010	12	-50 14 1.69	0.004	12	0.63	10.198	31	03.0	1.86	28	03.0	G0	CZ	19241	P -5011499
8	9.7	9.6W	9 11.527	0.0022	15	-54 45 53.64	-0.037	15	0.24	11.502	15	38.7	53.22	18	38.7	F0	C9	8277	P -55 9535
9	10.2	10.0W	9 14.279	-0.0030	15	-52 15 46.62	0.033	15	0.24	14.313	15	38.7	47.00	18	38.7	F8	C9	8278	P -5211831
10		7.6T	9 16.744	0.0030	14	-51 43 11.54	-0.046	11	0.61	16.611	15	05.4	9.33	17	02.4	F5	GC	29621	P -5211832
11	10.1	8.9W	9 21.411	0.0007	15	-51 51 14.51	-0.001	15	0.24	21.402	15	38.7	14.50	18	38.7	K0	C9	8280	P -5211833
12		7.1T	9 54.676	0.0013	12	-55 11 45.04	-0.031	09	0.52	54.611	18	08.1	43.49	18	99.2	K0	GC	29642	P -55 9540
13	9.8E	8.0H	10 1.012	-0.0031	12	-50 0 6.35	0.017	12	0.70	1.150	45	05.1	7.10	45	05.1	G5	CZ	19247	P -5011501
14	8.9E	8.3W	10 11.676	0.0037	12	-50 48 1.04	-0.013	12	0.65	11.501	31	02.6	0.42	31	02.6	F0	CZ	19248	P -5111627
15	9.4E	8.5Z	10 18.646	0.0036	12	-51 7 50.03	-0.037	12	0.80	18.487	63	05.6	48.38	57	05.6	F0	CZ	19251	P -5111629
16	9.9E	9.5Z	10 23.388	-0.0007	12	-50 20 35.55	-0.001	12	0.70	23.418	45	05.1	35.50	45	05.1	F0	CZ	19252	P -5011503
17	9.3	8.9W	10 29.236	0.0087	06	-58 43 48.54	-0.047	09	0.15	29.199	14	45.8	48.35	14	45.8	G0	C0	6695	P -59 7681
18	10.2	9.3W	10 32.507	0.0022	07	-53 31 12.71	-0.027	07	0.18	32.482	15	38.7	12.40	18	38.7	K0	C9	8283	P -5310012
19		8.1T	10 34.732	0.0007	13	-56 27 30.35	0.002	12	0.65	34.696	21	02.9	30.43	19	99.0	G5	GC	29657K	P -56 9604
20		7.7T	10 37.630	0.0036	12	-59 54 59.78	-0.007	09	0.53	37.450	18	04.2	59.40	17	00.1	K2	GC	29658	P -60 7455
21	9.7	9.6W	10 54.069	-0.0032	13	-56 4 1.95	-0.028	13	0.15	54.083	14	45.8	1.84	14	45.8	F0	C0	6698	P -56 9606
22		7.7T	11 7.821	0.0057	17	-59 31 10.34	0.029	12	0.67	7.551	19	07.1	11.69	18	02.7	K0	GC	29674	P -59 7682
23	9.9E	9.2Z	11 23.449	0.0012	12	-50 9 59.63	-0.091	12	0.70	23.394	45	05.1	55.54	45	05.1	G0	CZ	19262	P -5011504
24		7.0T	11 29.306	0.0083	10	-59 8 12.04	-0.068	07	0.45	28.866	18	05.5	8.42	17	97.0	K0	GC	29683	P -59 7683
25	10.3	8.7W	11 35.636	-0.0012	09	-57 48 40.33	-0.020	09	0.15	35.641	14	45.8	40.25	14	45.8	K5	C0	6702	P -58 7823
26		9.9T	11 38.134	0.0034	10	-56 46 1.62	-0.042	09	0.51	37.958	19	05.3	59.42	19	98.3	G5	GC	29687	P -57 9816
27		6.8T	11 56.997	0.0038	08	-57 50 22.17	-0.011	06	0.42	56.775	18	97.1	21.52	15	91.9	F0	GC	29693	P -58 7825
28	9.1E	8.5Z	12 4.540	-0.0017	12	-51 13 13.62	-0.013	12	0.80	4.617	63	05.6	13.04	57	05.6	F5	CZ	19268	P -5111633
29		5.8H	12 12.283	0.0031	04	-53 28 17.15	-0.013	04	0.14	12.178	06	16.6	16.71	06	17.5	A5	F4	796	P -5310015
30	9.2	9.1W	12 12.664	0.0073	07	-52 50 0.61	-0.010	07	0.18	12.582	15	38.7	0.50	18	38.7	F0	C9	8289	P -5310016
31	10.2	10.0W	12 18.668	0.0041	15	-54 36 34.04	-0.011	15	0.24	18.622	15	38.7	33.92	18	38.7	F0	C9	8290	P -54 9826
32	10.5	10.1W	12 26.122	0.0080	15	-54 16 54.79	-0.025	15	0.24	26.032	15	38.7	54.50	18	38.7	G0	C9	8291	P -54 9827
33	10.0E	8.9Z	12 39.201	0.0005	12	-50 33 50.92	0.002	12	0.70	39.179	45	05.1	51.00	45	05.1	K0	CZ	19276	P -5011509
34	9.8E	8.0H	12 40.941	0.0032	12	-50 45 13.28	-0.020	12	0.63	40.793	31	03.2	12.34	28	03.2	K0	CZ	19277	P -5111634
35	9.0	8.8W	12 41.062	0.0029	09	-58 58 47.96	-0.028	09	0.15	41.049	14	45.8	47.85	14	45.8	F8	C0	6708	P -59 7686
36	9.7	9.4W	12 41.755	0.0012	15	-53 37 43.88	-0.024	15	0.24	41.742	15	38.7	43.60	18	38.7	F8	C9	8293	P -5310018
37		7.7T	12 48.678	0.0050	15	-55 3 55.55	0.024	12	0.68	48.426	21	04.0	56.73	19	99.8	G5	GC	29724	P -55 9549
38	10.4	10.1W	12 53.122	0.0058	15	-55 25 46.28	0.003	15	0.24	53.056	15	38.7	46.32	18	38.7	F0	C9	8296	P -55 9550
39	9.7	8.9W	12 54.318	0.0023	07	-53 12 47.69	-0.017	07	0.18	54.292	15	38.7	47.50	18	38.7	K0	C9	8297	P -5310019
40	9.2	9.4W	13 16.423	0.0008	07	-58 47 27.65	-0.025	07	0.14	16.419	14	45.8	27.55	14	45.8	F0	C0	6710	P -59 7688
41	10.4E	9.4Z	13 16.448	-0.0023	12	-50 36 57.10	0.013	12	0.70	16.552	45	05.1	57.67	45	05.1	G5	CZ	19285	P -5011511
42	10.7E	9.3W	13 16.943	-0.0004	12	-51 35 2.72	-0.123	12	0.65	16.961	31	02.6	56.92	31	02.6		CZ	19284	P -5111635
43	9.5	9.5W	13 19.086	-0.0010	07	-56 30 58.91	-0.040	07	0.14	19.082	14	45.8	58.75	14	45.8	A2	C0	6711	P -56 9615
44	8.9E	7.0Z	13 19.580	-0.0043	12	-50 10 31.37	-0.016	12	0.63	19.780	31	03.3	30.61	28	03.3	K0	CZ	19286	P -5011512
45	10.1	9.1W	13 32.019	0.0014	15	-52 19 0.44	0.005	15	0.24	32.003	15	38.7	0.50	18	38.7	K0	C9	8302	P -5211842
46	9.4	8.3W	13 46.811	0.0024	06	-57 45 37.76	-0.004	06	0.14	46.801	14	45.8	37.75	14	45.8	K0	C0	6713	P -58 7828
47		7.5T	13 47.960	0.0016	13	-54 13 36.51	-0.016	12	0.64	47.883	18	03.3	35.73	19	00.9	K0	GC	29746	P -54 9835
48	9.8	9.5W	13 50.435	0.0003	13	-54 31 54.93	0.008	15	0.24	50.432	15	38.7	55.01	18	38.7	A5	C9	8305	P -54 9836
49	10.3	9.1W	13 59.139	0.0086	09	-54 59 22.64	-0.002	09	0.20	59.042	15	38.7	22.62	18	38.7	K2	C9	8306	P -55 9553
50	10.0E	9.1Z	14 10.351	0.0042	12	-50 49 41.35	0.007	12	0.80	10.165	63	05.6	41.66	57	05.6	F2	CZ	19292	P -5111639
51	9.9E	8.8Z	21 14 11.469	0.0016	12	-50 18 38.98	0.018	12	0.70	11.396	45	05.1	39.78	45	05.1	K0	CZ	19293	P -5011517
52	10.2E	9.2Z	14 17.223	0.0009	12	-51 0 39.29	0.010	12	0.80	17.184	63	05.6	39.73	57	05.6	F2	CZ	19295	P -5111640
53	9.1	8.6W	14 40.810	-0.0023	08	-55 20 24.47	0.005	08	0.19	40.836	15	38.7	24.52	18	38.7	G0	C9	8310	P -55 9556
54		9.4T	14 49.865	0.0100	17	-56 55 34.40	-0.051	16	0.72	49.444	19	08.0	32.23	19	07.9	G0	GC	29772	P -57 9822
55	10.1	9.7W	14 53.768	0.0112	11	-56 46 26.84	-0.023	11	0.15	53.722	14	45.8	26.75	14	45.8	G0	C0	6715	P -57 9823
56	9.8E	9.0Z	15 1.515	0.0010	12	-50 23 7.31	-0.008	12	0.70	1.469	45	05.1	6.95	45	05.1	F5	CZ	19302	P -5011520
57	8.9	8.8W	15 14.669	-0.0025	07	-59 1 20.83	-0.020	07	0.14	14.679	14	45.8	20.75	14	45.8	F5	C0	6718	P -59 7689
58	9.6E	9.1W	15 28.859	-0.0000	12	-51 23 21.65	-0.029	12	0.63	28.860	31	03.5	20.28	28	03.5	F5	CZ	19307	P -5111642
59	10.9E	9.0Z	15 33.168	-0.0007	12	-50 55 23.29	-0.008	12	0.69	33.200	45	05.6	22.93	45	05.6	F5	CZ	19308	P -5111643
60	9.5E	8.5Z	15 34.608	-0.0003	12	-50 55 24.56	-0.017	12	0.63	34.623	31	03.6	23.77	28	03.6	F5	CZ	19309	P -5111643
61	10.3	9.9W	15 48.943	0.0010	15	-54 25 24.59	0.019	15	0.24	48.932	15	38.7	24.80	18	38.7	A3	C9	8313	P -54 9845
62	9.9	9.0W	16 0.251	-0.0001	07	-53 49 24.22	0.008	07	0.18	0.252	15	38.7	24.31	18	38.7	K0	C9	8314	P -54 9846
63		8.2T	16 1.364	0.0030	16	-54 46 13.17	0.018	12	0.68	1.232	22	05.6	14.08	19	99.8	F2	GC	29809	P -55 9559
64		7.2Q	16 18.228	0.0109	22	-53 39 35.85	-0.067	20	0.96	17.751	24	06.4	32.85	24	05.1		GC	29818K	P -5310037
65		4.6T	16 18.874	0.0121	08	-53 39 37.51	-0.068	07	0.45	18.244	18	98.1	33.72	15	94.2	A5	GC	29819K	P*-5310037
66	8.3E	7.8Z	16 22.047	0.0039	12	-50 29 8.63	-0.074	12	0.63	21.864	31	03.2	5.17	28	03.2	F5	CZ	19317	P -5011528
67	9.3	8.0W	16 36.989	-0.0030	07	-51 48 34.36	-0.023	07	0.18	37.023	15	38.7	34.10	18	38.7	K0	C9	8318	P -5211850
68	9.9	8.1W	16 38.915	0.0006	09	-56 0 11.16	-0.029	09	0.15	38.912	14	45.8	11.04	14	45.8	K5	C0	6720	P -56 9623
69		8.3T	16 39.021	0.0081	15	-59 26 10.78	-0.011	11	0.63	38.630	19	05.8	10.23	18	01.9	F2	GC	29826	P*-59 7691
70	10.5E	9.5Z	16 50.388	0.0102	12	-50 24 2.15	-0.010	12	0.70	49.929	45	05.1	1.71	45	05.1	G0	CZ	19321	P -5011531
71	9.7	9.4W	16 50.948	-0.0021	15	-52 57 11.58	-0.025	15	0.24	50.972	15	38.7	11.30	18	38.7	G0	C9	8320	P -5310039
72		7.9T	16 55.847	0.0012	17	-58 3 40.64	0.010	12	0.67	55.789	19	06.9	41.10	18	03.5	A5	GC	29835	P -58 7831
73	9.9	9.5W	16 58.827	0.0048	15	-51 58 55.17	0.038	15	0.24	58.772	15	38.7	55.60	18	38.7	G5	C9	8321	P -5211851
74	10.1	9.2W	17 12.629	-0.0039	15	-52 10 4.39	0.009	15	0.24	12.672	15	38.7	4.50	18	38.7	G5	C9	8323	P -5211853
75	9.1	8.5W	17 18.442	0.0053	08	-53 14 43.49	-0.079	08	0.19	18.382	15	38.7	42.60	18	38.7	G5	C9	8324	P -5310042
76	9.8	9.5W	17 23.652	0.0050	11	-58 0 26.08	-0.055	11	0.15	23.631	14	45.8	25.85	14	45.8	F8	C0	6725	P -58 7832
77	9.2	9.2W	17 25.286	0.0016	07	-58 44 41.03	-0.021	07	0.14	25.259	14	45.8	40.95	14	45.8	A2	C0	6726	P -59 7692
78	9.4	8.7W	17 29.424	0.0029	08	-52 41 20.57	-0.086	08	0.19	29.392	15	38.7	19.60	18	38.7	G5	C9	8326	P -5310044
79	9.7	8.1W	17 29.878	-0.0057	15	-52 3 8.50	-0.018	15	0.24	29.942	15	38.7	8.30	18	38.7	K2	C9	8327	P -5211854
80		9.6T	17 30.095	0.0081	16	-56 50 8.15	0.012	16	0.71	29.747	19	07.5	8.64	19	07.2	G0	GC	29851	P -57 9832
81		9.0T	17 46.262	0.0005	16	-54 57 39.92	0.008	13	0.75	46.239	22	02.5	40.35	21	98.2	F0	GC	29857	P -55 9564
82	9.5E	8.2Z	17 49.120	0.0006	12	-50 13 23.22	0.008	12	0.70	49.083	45	05.1	23.57	45	05.1	K0	CZ	19335	P -5011533
83		6.4T	17 51.311	-0.0021	16	-50 8 55.35	-0.146	12	0.75	51.415	18	00.5	47.58	17	96.8	K2	GC	29858	C -5013325
84		9.9T	17 51.464	0.0014	11	-57 3 45.30	0.010	10	0.57	51.388	19	98.8	45.81	18	96.4	K0	GC	29859	P -57 9833
85		8.8T	17 55.508	-0.0163	16	-51 57 52.05	-0.083	12	0.71	56.249	22	04.6	47.96	19	00.4	G0	GC	29863	P -5211855
86	9.5E	8.5Z	17 57.045	-0.0110	12	-50 22 28.36	-0.089	12	0.70	57.538	45	05.1	24.36	45	05.1	F8	CZ	19337	P -5011535
87	8.7	8.5W	17 58.136	0.0030	07	-53 33 49.00	-0.026	07	0.18	58.102	15	38.7	48.70	18	38.7	F0	C9	8330	P -5310045
88	10.4	9.2W	18 2.059	-0.0003	15	-51 59 3.03	-0.012	15	0.24	2.062	15	38.7	2.90	18	38.7	G5	C9	8331	P -5211857
89	9.9	9.0W	18 3.814	-0.0016	07	-53 53 49.96	-0.014	07	0.18	3.832	15	38.7	49.80	18	38.7	K0	C9	8332	P -54 9849
90	9.8E	9.0Z	18 15.845	0.0005	12	-50 5 19.03	-0.052	12	0.70	15.822	45	05.1	16.68	45	05.1	G5	CZ	19339	P -5011537
91	10.0E	9.5Z	18 18.347	-0.0006	12	-51 30 39.36	0.003	12	0.80	18.374	63	05.6	39.52	57	05.6	A3	CZ	19338	P -5111650
92	10.3	10.1W	18 21.574	0.0007	09	-57 53 46.81	-0.040	09	0.15	21.571	14	45.8	46.65	14	45.8	F8	C0	6729	P -58 7833
93	10.2	9.9W	18 32.461	0.0150	15	-53 37 54.22	-0.028	15	0.24	32.292	15	38.7	53.90	18	38.7	G0	C9	8333	P -5310047
94	8.2E	7.2Z	18 34.072	0.0045	12	-50 23 46.26	-0.032	12	0.70	33.868	45	05.1	44.82	45	05.1	K0	CZ	19344	P -5011538
95		7.2T	18 35.772	0.0015	13	-52 5 20.84	0.003	12	0.59	35.708	17	06.7	21.01	18	02.8	A3	GC	29879	P -5211859
96	9.1	9.0W	18 37.038	-0.0003	07	-52 55 26.50	0.026	07	0.18	37.042	15	38.7	26.80	18	38.7	F8	C9	8335	P -5310048
97	10.1	9.4W	18 37.508	-0.0003	09	-58 39 59.83	-0.020	09	0.15	37.509	14	45.8	59.75	14	45.8	K0	C0	6731	P -58 7834
98		7.5T	18 43.717	0.0113	16	-51 20 16.30	-0.043	13	0.74	43.168	17	01.6	14.09	18	98.7	F5	GC	29882	C -5112914
99	10.5	9.7W	18 45.976	0.0035	09	-55 5 1.96	-0.092	09	0.20	45.936	15	38.7	0.92	18	38.7	G5	C9	8336	P -55 9568
00		7.6T	18 58.756	0.0055	13	-55 59 50.18	-0.019	12	0.63	58.486	21	05.1	49.23	19	00.9	F2	GC	29888K	P -56 9630

247000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 21H DM NUMBER
1	10.1	8.5W	21 19 2.758	0.0012	07	-56 22 57.73	-0.023	07	0.14	2.753	14	45.8	57.64	14	45.8	K2	C0	6733	P -56 9631
2		7.8T	19 9.848	0.0056	15	-57 58 54.89	0.014	11	0.60	9.595	18	07.9	55.51	17	05.2	F0	GC	29892	P -58 7835
3	10.9	9.9W	19 23.371	0.0023	04	-57 0 58.46	-0.003	04	0.14	23.362	14	45.8	58.45	14	45.8	G5	C0	6736	P -57 9839
4		7.8T	19 34.568	-0.0050	17	-52 9 22.81	-0.050	13	0.73	34.793	21	05.2	20.39	19	01.2	G5	GC	29907K	P*-5211862
5	10.3	8.6W	19 43.685	0.0011	09	-57 53 2.53	-0.021	09	0.15	43.681	14	45.8	2.45	14	45.8	K5	C0	6738	P -58 7837
6		7.5T	20 3.156	0.0136	16	-55 45 21.07	-0.134	12	0.70	2.483	22	04.8	14.41	19	00.5	F8	GC	29919	P -56 9636
7	10.3	9.8W	20 11.212	-0.0000	15	-54 23 27.75	-0.004	15	0.24	11.212	15	38.7	27.70	18	38.7	G0	C9	8349	P*-54 9857
8	10.3	9.8W	20 22.293	0.0123	13	-56 36 41.02	-0.018	13	0.15	22.242	14	45.8	40.95	14	45.8	F8	C0	6741	P -56 9638
9	10.1	9.3W	20 24.158	0.0050	15	-54 59 23.39	0.020	15	0.24	24.102	15	38.7	23.62	18	38.7	K0	C9	8350	P -55 9579
10	10.3	9.2W	20 28.476	-0.0041	09	-52 26 55.83	-0.021	09	0.20	28.522	15	38.7	55.60	18	38.7	K2	C9	8351	P -5211865
11	9.5	8.7W	20 32.036	-0.0128	07	-58 54 25.79	-0.035	07	0.14	32.089	14	45.8	25.65	14	45.8	K0	C0	6743	P -59 7695
12	9.5	8.6W	20 45.085	0.0006	13	-56 12 1.12	0.005	13	0.15	45.083	14	45.8	1.14	14	45.8	G5	C0	6744	P -56 9640
13	9.7	9.1W	20 50.227	0.0049	07	-54 47 30.92	-0.035	07	0.18	50.172	15	38.7	30.52	18	38.7	G5	C9	8352	P*-55 9581
14		7.3T	21 5.967	0.0065	09	-57 28 19.35	-0.046	07	0.48	5.592	18	98.5	16.68	17	92.5	A5	GC	29946	P*-57 9846
15	10.5	9.9W	21 7.308	-0.0003	13	-54 34 7.75	0.086	13	0.22	7.312	15	38.7	8.72	18	38.7	G0	C9	8353	P -54 9859
16	10.0E	9.0Z	21 10.846	0.0001	12	-50 53 25.94	-0.026	12	0.65	10.842	31	02.6	24.71	31	02.6	F0	CZ	19363	P -5111661
17	10.3	8.7W	21 21.244	0.0046	09	-52 56 34.31	-0.028	09	0.20	21.192	15	38.7	34.00	18	38.7	K2	C9	8354	P -5310060
18	9.9	10.0W	21 26.926	0.0031	13	-56 5 23.20	0.008	13	0.15	26.912	14	45.8	23.24	14	45.8	A0	C0	6747	P -56 9642
19	9.8	9.7W	21 30.692	-0.0070	15	-52 36 58.51	0.008	15	0.24	30.772	15	38.7	58.60	18	38.7	A5	C9	8356	P -5211867
20	10.2	9.0W	21 35.302	0.0015	09	-55 38 51.50	-0.025	09	0.20	35.285	15	38.7	51.22	18	38.7	K0	C9	8358	P -55 9584
21	9.2	8.2W	21 40.082	0.0055	07	-59 9 14.18	-0.008	07	0.14	40.059	14	45.8	14.15	14	45.8	K0	C0	6748	P -59 7696
22	10.0E	9.5*	22 15.261	-0.0020	12	-50 25 20.59	0.010	12	0.63	15.352	31	03.6	21.06	28	03.6	A2	CZ	19375	P -5011545
23		8.1T	22 21.698	0.0019	14	-56 6 16.51	-0.020	11	0.65	21.601	21	03.7	15.47	19	99.1	K0	GC	29981	P -56 9644
24	9.2	8.4W	22 25.806	-0.0012	06	-58 18 39.42	0.029	06	0.14	25.811	14	45.8	39.55	14	45.8	G5	C0	6750	P -58 7841
25	9.1	8.9W	22 32.023	0.0053	06	-58 9 57.55	-0.048	06	0.14	32.001	14	45.8	57.35	14	45.8	F5	C0	6751	P -58 7842
26	10.1	8.5W	22 34.068	-0.0003	07	-53 21 29.38	-0.016	07	0.18	34.072	15	38.7	29.20	18	38.7	K5	C9	8362	P -5310064
27	10.0	9.1W	22 36.970	0.0006	09	-52 1 50.22	-0.011	09	0.20	36.962	15	38.7	50.10	18	38.7	G5	C9	8363	P -5211870
28	10.3	10.3W	22 39.965	0.0009	13	-57 50 17.57	-0.030	13	0.15	39.961	14	45.8	17.45	14	45.8	A3	C0	6752	P -58 7844
29	9.6	8.5W	22 40.681	-0.0019	07	-51 57 50.55	-0.084	07	0.18	40.702	15	38.7	49.60	18	38.7	K0	C9	8364	P -5211871
30	9.5E	9.0Z	22 41.085	0.0051	12	-51 18 56.08	-0.017	12	0.80	40.860	63	05.6	55.30	57	05.6	G5	CZ	19382	P -5111665
31		6.2H	22 42.265	0.0014	03	-54 52 39.96	0.043	03	0.14	42.214	06	12.1	41.65	06	10.9	F0	F4	1563	P -55 9586
32	10.4	10.0W	22 14.794	0.0020	15	-54 48 45.52	0.044	15	0.24	14.772	15	38.7	46.02	18	38.7	F8	C9	8366	P -55 9588
33	9.5	8.7W	23 18.215	0.0818	06	-56 20 39.89	0.132	06	0.14	17.873	14	45.8	40.44	14	45.8	G5	C0	6753	P -56 9645
34	9.6E	8.0Z	23 51.447	-0.0001	12	-51 20 59.78	0.028	12	0.65	51.453	31	02.5	+ 1.12	31	02.5	K2	CZ	19391	P -5111667
35	8.0	8.0W	24 2.736	0.0067	06	-59 34 51.15	-0.048	06	0.14	2.708	14	45.8	50.95	14	45.8	F2	C0	6754	P -59 7698
36	10.0	10.2W	24 8.212	0.0023	13	-56 12 27.14	-0.002	13	0.15	8.203	14	45.8	27.14	14	45.8	A0	C0	6755	P -56 9648
37	9.9	9.7W	24 39.556	-0.0009	07	-55 23 8.34	-0.019	07	0.18	39.566	15	38.7	8.12	18	38.7	F5	C9	8370	P -55 9592
38		6.7T	24 42.498	0.0027	11	-52 31 13.51	0.008	08	0.54	42.363	17	99.6	13.99	18	91.0	K0	GC	30034	P -5211877
39	9.8	9.6W	24 52.850	-0.0064	15	-52 4 59.59	-0.017	15	0.24	52.923	15	38.7	59.40	18	38.7	F8	C9	8374	P -5211878
40	10.1	10.2W	24 54.246	0.0017	11	-58 39 36.21	0.009	11	0.15	54.239	14	45.8	36.25	14	45.8	A3	C0	6759	P -58 7848
41		9.6T	25 1.231	0.0045	12	-57 21 56.37	-0.008	10	0.61	0.985	22	99.7	55.91	21	95.4	M0	GC	30039	P -57 9861
42	10.2E	9.0Z	25 7.348	0.0025	12	-50 57 47.75	-0.024	12	0.80	7.238	63	05.6	46.68	57	05.6	G5	CZ	19403	P -5111669
43		6.5T	25 29.578	0.0095	12	-53 55 27.85	-0.021	08	0.56	29.124	18	02.3	26.71	18	95.2	K2	GC	30049	P -54 9872
44	10.5	9.2W	25 35.051	0.0004	15	-55 23 7.80	0.010	15	0.24	35.046	15	38.7	7.92	18	38.7	K0	C9	8378	P -55 9596
45	7.9E	7.5Z	25 50.398	0.0049	12	-50 32 8.91	-0.041	12	0.69	50.178	45	05.6	7.09	45	05.6	G0	CZ	19408	P -5011555
46	9.1	8.9W	25 51.681	0.0068	07	-55 58 37.95	0.045	07	0.14	51.652	14	45.8	38.14	14	45.8	F2	C0	6761	P -56 9654
47	10.3	10.1W	25 57.362	0.0003	09	-57 34 18.13	0.003	09	0.15	57.361	14	45.8	18.15	14	45.8	F8	C0	6762	P -57 9865
48	10.0	9.0W	26 3.303	0.0019	15	-53 6 58.28	-0.007	15	0.24	3.282	15	38.7	58.20	18	38.7	K0	C9	8380	P -5310078
49	7.9E	8.0Z	26 18.709	0.0035	12	-50 33 42.27	-0.034	12	0.63	18.544	31	03.6	40.70	28	03.6	A2	CZ	19416	P -5011557
50	9.0	8.9W	26 22.573	0.0028	08	-54 59 50.28	-0.050	08	0.19	22.542	15	38.7	49.72	18	38.7	F5	C9	8381	P*-55 9598
51		8.4T	21 26 28.662	0.0039	16	-56 29 49.94	0.009	12	0.69	28.472	21	05.4	50.36	19	01.2	A3	GC	30073	P -56 9656
52		7.8T	26 38.052	0.0062	15	-52 21 15.18	-0.033	10	0.68	37.749	18	01.0	13.33	19	93.4	A2	GC	30074	P -5211886
53	8.5	8.2W	26 47.033	-0.0069	06	-53 22 6.71	-0.037	06	0.18	47.112	15	38.7	6.30	18	38.7	F5	C9	8384	P -5310081
54	9.5	8.6W	26 53.719	0.0059	07	-52 57 23.92	-0.108	07	0.18	53.652	15	38.7	22.70	18	38.7	K0	C9	8385	P -5310082
55		8.9T	27 5.232	0.0009	13	-57 5 27.40	0.004	14	0.64	5.191	19	05.8	27.55	19	06.0	A2	GC	30092	P -57 9870
56		8.2T	27 23.944	0.0003	13	-57 6 18.74	0.009	08	0.55	23.927	19	04.7	19.18	18	97.8	M0	GC	30102	P -57 9873
57		7.8T	27 27.008	-0.0040	14	-59 37 38.33	-0.005	11	0.58	27.195	18	07.0	38.12	18	03.2	K2	GC	30103	P -59 7704
58		9.8T	27 29.254	0.0039	12	-57 22 52.26	-0.022	11	0.64	29.050	22	00.7	51.14	22	98.0	F8	GC	30104	P -57 9875
59	9.3	8.4W	27 29.290	0.0020	06	-57 10 34.85	-0.001	06	0.14	29.282	14	45.8	34.85	14	45.8	G5	C0	6769	P -57 9876
60	9.0	8.7W	27 37.727	0.0071	07	-55 30 0.33	-0.115	07	0.18	37.646	15	38.7	-59.02	18	38.7	F8	C9	8388	P -55 9605
61	8.7E	8.3*	27 38.953	0.0071	12	-51 4 0.60	-0.045	12	0.64	38.618	31	02.6	-58.46	28	02.6	F5	CZ	19424	P -5111674
62	9.6	9.3W	27 40.392	0.0009	07	-53 22 3.17	0.020	07	0.18	40.382	15	38.7	3.40	18	38.7	F5	C9	8389	P -5310085
63	9.3E	8.5Z	28 9.336	0.0015	12	-50 19 45.77	-0.028	12	0.64	9.264	31	02.7	44.44	28	02.7	G0	CZ	19427	P -5011563
64	9.3E	8.5Z	28 9.675	0.0008	12	-50 0 14.28	-0.001	12	0.70	9.637	45	04.2	14.22	45	04.2	K2	CZ	19428	P -5011564
65	8.5	8.4W	28 14.183	0.0056	07	-58 58 15.66	-0.003	07	0.14	14.159	14	45.8	15.65	14	45.8	F5	C0	6770	P -59 7705
66	9.9	8.2W	28 19.533	0.0010	07	-59 2 9.79	-0.034	07	0.14	19.529	14	45.8	9.65	14	45.8	MA	C0	6771	P -59 7706
67	10.1	9.8W	28 22.311	-0.0027	07	-52 53 35.03	-0.020	07	0.18	22.342	15	38.7	34.80	18	38.7	F5	C9	8391	P -5310088
68	9.2	9.4W	28 27.234	0.0011	07	-54 24 49.16	-0.014	07	0.18	27.222	15	38.7	49.00	18	38.7	A0	C9	8392	P -54 9881
69	9.5	9.1W	28 27.580	-0.0046	07	-59 11 19.54	0.002	07	0.14	27.599	14	45.8	19.55	14	45.8	F8	C0	6772	P -59 7708
70	9.9	9.6W	28 32.030	0.0076	11	-59 48 50.15	-0.025	11	0.15	31.998	14	45.8	50.05	14	45.8	G5	C0	6403	P -60 7484
71		9.1T	28 35.577	0.0049	17	-57 31 29.57	0.006	16	0.74	35.361	21	07.1	29.83	21	06.1	F5	GC	30127	P -57 9881
72	10.0	9.5W	28 40.498	-0.0066	13	-52 17 44.18	0.037	13	0.22	40.573	15	38.7	44.60	18	38.7	G0	C9	8393	P -5211889
73	9.9	9.9W	29 7.890	0.0022	11	-58 13 40.25	0.000	11	0.15	7.881	14	45.8	40.25	14	45.8	A2	C0	6777	P -58 7859
74	9.8E	9.0Z	29 13.984	0.0014	12	-50 55 51.71	-0.010	12	0.82	13.919	63	02.7	51.24	57	02.7	A5	CZ	19438	P -5111679
75		7.6T	29 16.000	0.0028	10	-59 55 17.39	-0.002	08	0.50	15.844	19	00.4	17.31	18	94.6	A0	GC	30143	P -60 7485
76	10.3	10.3W	29 34.791	0.0051	11	-59 16 7.57	-0.005	11	0.15	34.769	14	45.8	7.55	14	45.8	A0	C0	6779	P -59 7711
77	10.4E	9.0Z	29 39.301	-0.0012	12	-50 49 55.03	0.014	12	0.82	39.359	63	02.7	55.69	57	02.7	F5	CZ	19442	P -5111681
78		10.0T	29 40.361	0.0034	12	-57 36 27.14	0.018	10	0.59	40.177	22	00.6	28.11	21	96.3	G0	GC	30152	P -57 9886
79	9.0	8.7W	29 50.302	0.0002	11	-58 25 39.69	0.012	11	0.15	50.301	14	45.8	39.75	14	45.8	F8	C0	6783	P -58 7860
80		6.4T	29 50.692	-0.0002	13	-52 57 34.28	-0.005	10	0.60	50.703	18	02.7	34.03	19	97.4	K5	GC	30158	P -5310092
81	8.9	8.7W	29 57.481	-0.0010	06	-54 22 38.30	-0.008	06	0.18	57.492	15	38.7	38.20	18	38.7	F0	C9	8398	P -54 9886
82		8.2T	30 1.646	0.0046	13	-57 18 14.83	-0.026	12	0.61	1.439	19	05.4	13.66	18	05.4	K2	GC	30161	P -57 9888
83	10.0	9.0W	30 8.525	-0.0005	09	-52 39 20.13	0.008	09	0.20	8.531	15	38.7	20.22	18	38.7	K2	C9	8399	P -5211890
84	10.0E	9.2Z	30 12.948	0.0017	12	-50 31 14.69	-0.013	12	0.70	12.871	45	04.2	14.08	45	04.2	K0	CZ	19448	P -5011571
85	9.9E	9.0Z	30 33.032	0.0038	12	-50 44 11.28	-0.010	12	0.64	32.852	31	02.7	10.79	28	02.7	F2	CZ	19450	P -5111685
86	10.8E	9.6*	30 35.514	-0.0001	12	-51 31 28.12	0.010	12	0.66	35.518	31	01.2	28.62	31	01.2	F5	CZ	19451	P -5111686
87	10.1	9.9W	30 43.829	0.0024	09	-52 13 49.83	-0.019	09	0.20	43.802	15	38.7	49.62	18	38.7	F5	C9	8400	P -5211893
88		8.0T	30 50.976	0.0014	15	-52 12 24.10	-0.048	12	0.69	50.909	18	02.1	21.65	19	98.6	K0	GC	30177	P -5211894
89	9.1	8.9W	30 53.652	0.0158	06	-59 23 29.00	-0.170	06	0.14	53.586	14	45.8	28.28	14	45.8	F8	C0	6789	P -59 7713
90	10.6	9.2W	31 6.636	-0.0004	09	-53 27 36.49	0.020	09	0.20	6.641	15	38.7	36.72	18	38.7	K5	C9	8404	P -5310097
91	9.6	8.2W	31 7.090	0.0016	06	-52 25 59.91	-0.017	06	0.18	7.072	15	38.7	59.72	18	38.7	K5	C9	8405	P -5211895
92	9.5	9.2W	31 16.258	0.0033	07	-53 34 18.85	-0.037	07	0.18	16.221	15	38.7	18.42	18	38.7	F5	C9	8406	P -5310098
93		6.8T	31 29.407	-0.0235	16	-52 2 58.32	-0.065	12	0.70	30.493	18	03.8	55.15	19	01.0	G5	GC	30191	P -5211896
94		8.3T	31 32.841	-0.0592	20	-50 0 53.58	-0.113	16	0.86	35.593	19	03.5	48.16	19	02.2	G5	GC	30193	C -3013411
95	9.5	9.1W	31 35.445	0.0101	07	-54 48 26.43	-0.054	07	0.18	35.331	15	38.7	25.83	18	38.7	G0	C9	8409	P -55 9622
96		9.8T	31 40.550	0.0005	12	-57 36 3.79	0.020	10	0.61	40.525	22	99.8	4.89	21	95.7	K5	GC	30199	P -57 9898
97		7.9T	31 58.517	-0.0031	16	-59 54 59.70	-0.025	12	0.64	58.656	19	08.2	58.55	18	04.4	G0	GC	30202	P -60 7488
98	10.5	10.5W	31 59.141	-0.0000	15	-54 22 57.61	0.054	15	0.24	59.141	15	38.7	58.22	18	38.7	F5	C9	8412	P -54 9892
99	10.3	9.9W	32 10.214	0.0014	09	-57 52 51.84	0.034	09	0.15	10.208	14	45.8	51.98	14	45.8	G0	C0	6796	P -58 7866
00	9.7	8.7W	32 11.056	0.0088	07	-57 22 49.63	-0.034	07	0.14	11.019	14	45.8	49.48	14	45.8	K0	C0	6797	P -57 9903

247100

EPOCH 1950

ORIGINAL EPOCH

-50° 21H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ".001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ".001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	10.2	10.2W	21 32 18.462	-0.0017	13	-54 48 41.29	0.003	13	0.22	18.481	15	38.7	41.35	18	38.7	A2	C9	8413	P -55 9625
2	9.7	9.3W	32 47.840	0.0105	15	-54 39 18.74	-0.019	15	0.24	47.721	15	38.7	18.53	18	38.7	G0	C9	8416	P -54 9896
3	9.5	8.8W	32 55.007	0.0020	13	-56 36 11.34	-0.038	13	0.15	54.998	14	45.8	11.19	14	45.8	G5	C0	6798	P -56 9686
4	8.7	8.7W	33 2.666	0.0004	07	-54 24 55.72	0.000	07	0.18	2.661	15	38.7	55.72	18	38.7	A5	C9	8419	P -54 9899
5	9.7E	9.0Z	33 3.369	0.0027	12	-50 20 40.15	-0.014	12	0.70	3.244	45	04.2	39.49	45	04.2	F0	CZ	19466	P -5011577
6	10.2	9.9W	33 14.415	0.0030	15	-54 12 7.80	-0.042	15	0.24	14.381	15	38.7	7.32	18	38.7	G0	C9	8420	P -54 9902
7	9.5	9.1W	33 14.879	0.0113	06	-54 27 31.12	-0.114	06	0.18	14.751	15	38.7	29.82	18	38.7	G0	C9	8421	P -54 9901
8		7.8T	33 15.585	0.0007	15	-51 37 28.96	0.005	11	0.70	15.552	22	02.1	29.25	21	96.5	K2	GC	30233	C -5112999
9		7.2T	33 16.501	0.0451	15	-51 4 3.12	-0.221	11	0.69	14.302	17	01.2	50.82	19	94.4	K0	GC	30234	C -5112998
10	10.4	9.6W	33 33.371	0.0044	07	-54 41 59.88	-0.014	07	0.18	33.321	15	38.7	59.73	18	38.7	G5	C9	8422	P -55 9636
11	10.1	9.7W	33 35.477	-0.0003	15	-54 18 9.93	-0.090	15	0.24	35.481	15	38.7	8.92	18	38.7	G0	C9	8423	P -54 9904
12	10.0E	9.8Z	33 40.010	0.0095	12	-51 33 18.86	-0.031	12	0.66	39.548	31	01.2	17.34	31	01.2	F8	CZ	19469	P -5111697
13	10.5	10.0W	33 41.312	0.0054	09	-54 41 53.96	0.023	09	0.20	41.251	15	38.7	54.23	18	38.7	G0	C9	8424	P -55 9638
14	10.3	9.8W	33 54.059	-0.0003	09	-51 58 38.29	0.011	09	0.20	54.062	15	38.7	38.41	18	38.7	G5	C9	8425	P -5211902
15	10.1	9.2W	34 11.758	0.0041	06	-51 48 40.77	-0.014	06	0.18	11.712	15	38.7	40.61	18	38.7	K0	C9	8426	P -5211903
16	10.9E	9.9*	34 31.138	0.0011	12	-50 6 7.17	0.003	12	0.64	31.087	31	02.4	7.33	28	02.4	A3	CZ	19479	P -5011581
17	10.7	9.6W	34 42.988	0.0021	07	-55 20 16.43	0.011	07	0.18	42.964	15	38.7	16.56	18	38.7	K0	C9	8427	P -55 9642
18	10.7	9.3W	34 46.812	0.0010	09	-53 6 14.16	0.014	09	0.20	46.801	15	38.7	14.31	18	38.7	K5	C9	8428	P -5310114
19	9.5	9.3W	35 14.821	0.0008	07	-51 41 9.99	0.020	07	0.18	14.812	15	38.7	10.21	18	38.7	F0	C9	8429	P -5211908
20	10.5	10.4W	35 20.794	0.0014	09	-56 56 59.61	-0.029	09	0.15	20.789	14	45.8	59.48	14	45.8	A3	C0	6806	P -57 9919
21	10.0	9.0W	35 30.766	0.0037	07	-55 5 26.94	-0.016	07	0.18	30.724	15	38.7	26.76	18	38.7	K0	C9	8430	P -55 9645
22	10.3	10.3W	36 3.027	0.0019	13	-56 33 34.42	0.016	13	0.15	3.018	14	45.8	34.48	14	45.8	F0	C0	6810	P -56 9696
23		8.0T	36 17.789	-0.0008	14	-51 47 57.00	-0.011	11	0.63	17.826	18	03.7	56.46	19	99.4	F0	GC	30296	P -5211910
24		8.1T	36 29.726	-0.0038	15	-50 43 4.89	-0.057	11	0.68	29.914	18	01.0	1.85	17	97.0	A5	GC	30297	C -5113015
25		7.2T	36 30.757	0.0071	11	-57 40 5.20	-0.053	08	0.57	30.333	21	97.3	2.02	18	89.8	K0	GC	30299	P -58 7875
26	10.9	9.5W	36 34.329	0.0049	09	-57 13 0.09	-0.026	09	0.15	34.308	14	45.8	59.98	14	45.8	K5	C0	6813	P -57 9923
27		9.7T	36 34.758	-0.0045	18	-57 27 26.77	-0.029	13	0.74	34.971	21	06.7	25.38	19	02.3	G0	GC	30303	P -57 9924
28		6.3T	36 35.604	-0.0017	08	-52 35 9.44	0.014	07	0.34	35.675	12	08.6	10.07	14	04.8	F5	GC	30304	P -5211911
29	10.1	9.9W	36 41.762	0.0056	13	-56 33 24.19	-0.025	13	0.15	41.738	14	45.8	24.08	14	45.8	F5	C0	6815	P -56 9699
30	10.4	9.7W	36 51.286	0.0042	09	-56 56 20.71	-0.005	09	0.15	51.269	14	45.8	20.68	14	45.8	K0	C0	6816	P -57 9926
31	10.2	10.0W	37 2.097	-0.0048	15	-52 46 43.52	0.080	15	0.24	2.151	15	38.7	44.42	18	38.7	F8	C9	8436	P -5310125
32		6.4T	37 2.876	0.0017	09	-55 57 54.40	0.027	08	0.48	2.779	19	97.8	55.92	18	93.5	K0	GC	30316	P -56 9700
33	10.0	8.5W	37 15.961	0.0033	07	-55 33 58.05	0.009	07	0.18	15.923	15	38.7	58.15	18	38.7	K2	C9	8438	P -55 9654
34	9.9	9.7W	37 20.166	0.0012	15	-55 48 43.64	-0.008	15	0.24	20.153	15	38.7	43.55	18	38.7	G0	C9	8439	P -56 9701
35		8.0T	37 28.652	0.0059	11	-57 57 56.76	-0.006	10	0.52	28.368	19	03.2	56.48	18	01.5	K0	GC	30326	P -58 7877
36	9.9	8.8W	38 11.864	0.0043	07	-59 3 35.64	-0.062	07	0.14	11.846	14	45.8	35.38	14	45.8	K0	C0	6823	P -59 7724
37	10.0	8.7W	38 18.317	0.0041	07	-53 18 48.78	-0.014	07	0.18	18.271	15	38.7	48.62	18	38.7	K5	C9	8441	P -5310126
38		8.6T	38 42.929	-0.0113	13	-57 50 29.17	0.027	11	0.61	43.487	21	04.7	30.52	19	00.8	G5	GC	30350	P -58 7880
39	9.8	9.5W	39 0.350	0.0051	07	-52 25 36.31	-0.052	07	0.18	0.291	15	38.7	35.72	18	38.7	F8	C9	8445	P -5211917
40		7.8T	39 1.931	0.0103	14	-50 19 20.45	0.001	11	0.66	1.425	19	01.0	20.48	18	96.2	G5	GC	30361	C -5013446
41	10.1	9.8W	39 4.013	-0.0013	07	-57 0 59.36	-0.017	07	0.14	4.019	14	45.8	59.28	14	45.8	F8	C0	6826	P -57 9936
42	9.8	10.0W	39 21.678	0.0049	09	-58 24 53.26	0.006	09	0.15	21.658	14	45.8	53.28	14	45.8	A2	C0	6828	P -58 7884
43	10.6E	9.0Z	39 26.441	0.0026	12	-51 13 16.84	-0.026	12	0.64	26.317	31	02.7	15.62	28	02.7	K5	CZ	19522	P -5111717
44	10.2	9.9W	39 29.563	0.0002	15	-54 37 24.36	-0.021	15	0.24	29.561	15	38.7	24.13	18	38.7	F8	C9	8446	P -54 9922
45	9.9	9.7W	39 40.228	0.0014	07	-52 28 5.47	-0.058	07	0.18	40.212	15	38.7	4.82	18	38.7	F5	C9	8447	P -5211919
46	9.0	8.9W	39 47.897	0.0069	11	-58 0 34.50	-0.003	11	0.15	47.868	14	45.8	34.48	14	45.8	F0	C0	6829	P -58 7885
47		9.0T	39 52.994	-0.0039	11	-58 7 34.60	0.015	10	0.53	53.183	19	04.5	35.33	18	02.2	G0	GC	30383K	P* -58 7886
48		7.9T	40 12.608	0.0037	11	-57 35 50.33	-0.047	08	0.53	12.407	19	02.0	47.76	18	95.0	K0	GC	30389	P -57 9939
49	10.2	9.7W	40 16.636	0.0074	09	-52 21 20.64	-0.055	09	0.20	16.552	15	38.7	20.02	18	38.7	G0	C9	8450	P -5211922
50		8.3T	40 22.568	-0.0015	14	-54 12 25.38	0.015	12	0.66	22.641	18	02.8	26.12	19	00.7	F5	GC	30395	P -54 9929
51		6.8T	21 40 26.625	-0.0141	11	-57 33 14.91	-0.047	08	0.49	27.396	18	01.7	12.36	15	95.5	G0	GC	30397	P -57 9940
52		7.2T	40 27.822	0.0018	10	-54 43 46.06	-0.014	08	0.50	27.719	19	98.8	45.28	17	94.4	M0	GC	30398	P -55 9670
53		7.0T	40 28.115	-0.0121	11	-57 30 41.60	-0.027	08	0.53	28.792	19	01.8	40.11	18	94.3	G0	GC	30399	P -57 9941
54		7.9T	40 33.139	0.0040	14	-55 17 10.40	-0.061	11	0.64	32.935	21	04.6	7.82	19	99.6	K2	GC	30403	P -55 9671
55		7.0T	40 49.041	0.0048	10	-55 42 9.33	-0.018	08	0.46	48.784	18	04.5	8.36	18	96.5	M8	GC	30406	P -56 9716
56	10.3	9.5W	40 50.703	0.0032	13	-56 4 59.71	-0.009	13	0.15	50.689	14	45.8	59.68	14	45.8	K0	C0	6835	P -56 9717
57	11.1	9.7W	40 58.793	0.0045	07	-55 42 16.08	-0.046	07	0.18	58.743	15	38.7	15.55	18	38.7	M0	C9	8461	P -56 9719
58	10.3	10.0W	41 3.522	0.0010	15	-54 21 59.97	0.005	15	0.24	3.511	15	38.7	0.02	18	38.7	G0	C9	8462	P* -54 9934
59	10.2	9.9W	41 19.351	0.0052	13	-56 33 20.60	-0.219	13	0.15	19.328	14	45.8	19.69	14	45.8	G0	C0	6837	P -56 9721
60	10.4	10.0W	41 20.526	0.0234	13	-57 39 16.29	-0.097	13	0.15	20.428	14	45.8	15.88	14	45.8	G0	C0	6838	P -57 9944
61		8.4T	41 52.898	-0.0033	20	-50 40 32.57	-0.055	18	0.90	53.052	19	03.8	29.96	19	02.8	G5	GC	30434	C -5113052
62	10.3	10.0W	41 54.279	0.0049	11	-57 25 18.38	-0.045	11	0.15	54.258	14	45.8	18.18	14	45.8	F8	C0	6839	P -57 9945
63	10.7	9.5W	42 2.463	0.0054	15	-55 30 38.51	-0.022	15	0.24	2.403	15	38.7	38.25	18	38.7	K2	C9	8468	P -55 9675
64	9.7	9.8W	42 16.662	0.0039	08	-59 22 23.24	-0.014	08	0.14	16.646	14	45.8	23.18	14	45.8	A0	C0	6841	P -59 7727
65	10.2	9.9W	42 27.644	0.0065	07	-54 14 53.35	-0.224	07	0.18	27.571	15	38.7	50.82	18	38.7	G0	C9	8470	P -54 9940
66	9.5	9.2W	42 33.837	0.0023	07	-53 20 11.78	-0.050	07	0.18	33.811	15	38.7	11.22	18	38.7	F8	C9	8471	P -5310141
67	10.4	10.1W	42 37.085	-0.0009	07	-57 6 39.05	-0.014	07	0.14	37.088	14	45.8	38.98	14	45.8	F8	C0	6842	P -57 9949
68	10.0	9.7W	42 40.823	0.0054	07	-51 49 33.34	-0.011	07	0.18	40.762	15	38.7	33.22	18	38.7	G0	C9	8472	P -5211934
69	9.9	9.6W	42 42.514	-0.0034	15	-52 28 33.38	0.030	15	0.24	42.552	15	38.7	33.72	18	38.7	F5	C9	8474	P -5211933
70	10.4E	9.0Z	42 55.410	0.0008	12	-51 17 57.75	-0.000	12	0.65	55.371	31	02.6	57.74	31	02.6	G5	CZ	19556	P -5111730
71		9.1T	43 2.060	-0.0047	18	-58 13 41.45	-0.022	18	0.85	2.270	24	05.6	40.48	24	05.6	K5	GC	30466	P -58 7892
72	10.0	8.7W	43 2.420	0.0100	08	-57 55 20.06	-0.926	08	0.14	2.378	14	45.8	16.18	14	45.8	MA	C0	6845	P -58 7893
73	10.0	9.6W	43 18.036	0.0017	07	-56 41 13.71	-0.006	07	0.14	18.028	14	45.8	13.68	14	45.8	G0	C0	6847	P -57 9951
74	10.2	9.4W	43 37.311	0.0011	09	-58 56 28.86	-0.019	09	0.15	37.306	14	45.8	28.79	14	45.8	K0	C0	6850	P -59 7731
75	9.6	9.3W	43 45.058	0.0052	06	-59 5 49.77	0.003	06	0.14	45.036	14	45.8	49.79	14	45.8	F8	C0	6852	P -59 7732
76	10.0	8.7W	43 49.400	0.0008	07	-52 54 5.03	-0.063	07	0.18	49.391	15	38.7	4.32	18	38.7	K2	C9	8483	P -5310148
77	10.3E	9.0Z	43 54.333	0.0020	12	-51 25 53.17	-0.006	12	0.80	54.243	63	05.5	52.90	57	05.5	K5	CZ	19564	P -5111734
78	10.5	9.2W	43 54.967	0.0014	07	-54 33 41.08	0.021	07	0.18	54.951	15	38.7	41.33	18	38.7	K5	C9	8484	P -54 9947
79	9.7	9.6W	43 55.353	0.0002	07	-53 53 7.83	-0.044	07	0.18	55.351	15	38.7	7.32	18	38.7	A5	C9	8485	P -54 9948
80	10.7E	9.4*	44 14.185	0.0011	12	-50 20 3.90	-0.008	12	0.63	14.135	31	03.3	3.54	28	03.3	G0	CZ	19567	P -5011604
81	9.0	8.7W	44 15.851	0.0051	06	-55 53 3.22	-0.178	06	0.14	15.829	14	45.8	2.48	14	45.8	F8	C0	6856	P -56 9736
82	9.8	8.9W	44 16.062	0.0072	15	-52 32 5.00	-0.034	15	0.24	15.981	15	38.7	4.62	18	38.7	G5	C9	8489	P -5211939
83		9.1T	44 24.252	0.0018	16	-58 16 17.39	-0.033	18	0.73	24.180	19	08.2	16.05	19	09.0	K2	GC	30495	P -58 7897
84	10.6E	9.3*	44 26.099	0.0104	12	-50 51 3.64	-0.031	12	0.65	25.606	31	02.6	2.19	31	02.6	G5	CZ	19569	P -5111735
85		7.6T	44 32.032	0.0135	16	-53 9 41.97	-0.078	12	0.70	31.412	18	04.0	38.16	19	01.2	G5	GC	30496	P -5310151
86	9.5	9.2W	44 40.734	0.0070	06	-59 35 23.73	-0.034	06	0.14	40.705	14	45.8	23.59	14	45.8	F8	C0	6860	P -59 7734
87	10.5	10.2W	44 44.212	-0.0040	13	-56 35 39.04	-0.061	13	0.15	44.228	14	45.8	38.78	14	45.8	G0	C0	6861	P -56 9741
88	10.0	8.3W	44 46.414	0.0023	06	-59 46 44.73	-0.009	06	0.14	46.405	14	45.8	44.69	14	45.8	K5	C0	6865	P -60 7505
89	10.1	9.4W	45 22.692	-0.0017	15	-53 15 3.11	-0.026	15	0.24	22.711	15	38.8	2.81	18	38.8	G5	C9	8498	P -5310158
90		6.7T	45 25.500	0.0034	09	-56 30 24.46	0.008	09	0.51	25.312	18	97.1	24.89	17	95.2	B9	GC	30521	P -56 9743
91	10.5	10.0W	45 27.742	0.0032	11	-57 12 43.63	0.014	11	0.15	27.729	14	45.8	43.68	14	45.8	G0	C0	6865	P -57 9960
92		7.5T	45 38.359	0.0048	14	-51 35 55.22	-0.058	11	0.62	38.144	15	05.1	52.36	18	00.4	A3	GC	30522	C -5113070
93	10.1	9.7W	45 39.022	0.0128	09	-58 10 30.80	-0.004	09	0.15	38.968	14	45.8	30.78	14	45.8	G0	C0	6866	P -58 7899
94	10.6E	9.7*	45 47.935	0.0012	12	-50 13 0.13	-0.003	12	0.63	47.881	31	03.6	0.00	28	03.6	F2	CZ	19580	P -5011612
95	10.5	9.4W	45 52.153	0.0043	07	-55 5 25.97	-0.019	07	0.18	52.104	15	38.8	25.76	18	38.8	K0	C9	8501	P -55 9696
96		8.1T	46 51.011	0.0110	09	-58 32 16.41	-0.102	09	0.45	50.483	18	05.0	11.54	18	02.2	G5	GC	30547	P -58 7901
97	9.6	9.3W	46 57.115	-0.0005	08	-54 38 2.09	0.003	08	0.19	57.121	15	38.8	2.13	18	38.8	F2	C9	8508	P -54 9961
98	9.6	9.3W	46 57.270	-0.0019	07	-54 38 5.05	-0.011	07	0.18	57.291	15	38.8	4.93	18	38.8	F2	C9	8509	P -54 9961
99	9.8	9.5W	47 7.687	0.0020	11	-57 1 5.93	-0.010	11	0.15	7.678	14	45.8	5.88	14	45.8	G0	C0	6874	P -57 9965
00	9.3E	9.0Z	47 9.652	0.0035	12	-51 16 18.44	-0.003	12	0.80	9.496	63	05.5	18.31	57	05.5	F0	CZ	19593	P -5111742

247200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 21H DM NUMBER
1		7.5T	21 47 13.817	0.0037	16	-55 23 57.19	-0.002	12	0.69	13.634	21	05.2	57.08	19	01.0	K0	GC	30558	P -55 9702
2	8.6	7.5W	47 17.862	0.0017	06	-59 52 42.84	-0.036	06	0.14	17.855	14	45.8	42.69	14	45.8	K0	C0	6482	P -60 7511
3	10.8	10.1W	47 20.833	0.0073	07	-53 34 32.73	0.017	07	0.18	20.751	15	38.8	32.92	18	38.8	G5	C9	8512	P -5310168
4	10.0	9.4W	47 37.074	-0.0060	07	-53 38 39.92	-0.008	07	0.18	37.141	15	38.8	39.82	18	38.8	G5	C9	8513	P -5310171
5	8.9	8.6W	47 59.537	-0.0017	06	-59 39 23.59	0.048	06	0.14	59.545	14	45.8	23.79	14	45.8	F5	C0	6878	P*-60 7512
6		8.2T	48 15.446	0.0021	15	-52 57 44.65	-0.027	12	0.69	15.347	17	02.6	43.29	18	99.7	F0	GC	30578	P -5310175
7	9.4E	8.5Z	48 18.508	0.0027	12	-50 48 56.06	0.003	12	0.65	18.380	31	02.6	56.22	31	02.6	A0	GC	19600	P -5111744
8		8.2T	48 28.982	0.0045	11	-54 53 10.79	-0.038	08	0.52	28.761	21	00.8	8.68	18	94.4	A0	GC	30583	P -55 9704
9		7.0T	48 31.947	0.0017	14	-56 0 50.37	0.011	10	0.62	31.857	21	03.9	50.93	18	98.0	K0	GC	30584	P -56 9758
10	10.3	10.0W	48 31.975	0.0072	13	-55 56 45.48	-0.011	13	0.22	31.893	15	38.8	45.35	18	38.8	G0	C9	8520	P -56 9757
11	10.5	9.7W	48 38.744	0.0012	13	-56 38 14.04	-0.061	13	0.15	38.738	14	45.8	13.78	14	45.8	G5	C0	6882	P -56 9759
12		7.9T	49 18.708	0.0001	10	-57 34 12.19	0.031	09	0.49	18.706	14	00.8	13.76	12	99.8	K0	GC	30599	P -57 9976
13	10.0	9.9W	49 23.163	-0.0075	05	-59 30 51.44	0.013	05	0.14	23.195	14	45.8	51.49	14	45.8	F8	C0	6486	P -60 7516
14		8.2T	49 24.378	0.0037	13	-56 52 6.59	-0.017	10	0.59	24.189	18	03.8	5.72	17	99.4	K2	GC	30601	P -57 9977
15	10.1	9.9W	49 28.552	0.0028	15	-54 57 59.17	-0.049	15	0.24	28.521	15	38.8	58.63	18	38.8	F5	C9	8524	P -55 9709
16	9.5	9.0W	49 43.578	0.0008	06	-59 49 17.25	-0.014	06	0.14	43.575	14	45.8	17.19	14	45.8	G0	C0	6488	P -60 7518
17	10.2	9.9W	50 4.184	-0.0033	07	-53 16 23.54	-0.011	07	0.18	4.221	15	38.8	23.42	18	38.8	F5	C9	8529	P -5310183
18	11.1E	9.5*	50 7.482	0.0053	12	-50 34 37.06	0.017	12	0.63	7.235	31	03.6	37.86	28	03.6	F2	CZ	19620	P -5011622
19	9.6	9.5W	50 29.277	-0.0048	07	-54 47 37.79	-0.077	07	0.18	29.331	15	38.8	36.93	18	38.8	F5	C9	8532	P -55 9715
20		8.3T	50 51.505	0.0016	15	-53 21 41.09	-0.026	12	0.62	51.439	19	08.6	39.85	19	02.4	F5	GC	30638	P -5310189
21	10.0	9.8W	50 55.132	0.0063	07	-53 56 51.04	-0.002	07	0.18	55.061	15	38.8	51.02	18	38.8	F0	C9	8535	P*-54 9970
22	10.3	9.6W	51 4.402	0.0013	09	-59 2 47.51	0.019	09	0.15	4.396	14	45.8	47.58	14	45.8	K0	C0	6892	P -59 7740
23	10.0	9.9W	51 25.247	0.0043	09	-57 19 51.51	-0.030	09	0.15	25.229	14	45.8	51.38	14	45.8	F0	C0	6894	P -57 9985
24	10.0	8.6W	51 30.565	0.0041	06	-58 15 10.19	-0.002	06	0.14	30.548	14	45.8	10.18	14	45.8	K2	C0	6895	P -58 7909
25	10.5	10.1W	52 8.248	0.0006	15	-53 0 26.97	-0.031	15	0.24	8.241	15	38.8	26.62	18	38.8	F8	C9	8541	P -5310194
26	9.6	9.3W	52 15.731	-0.0018	15	-53 24 28.70	-0.016	15	0.24	15.751	15	38.8	28.52	18	38.8	F2	C9	8542	P -5310195
27	10.3	10.1W	52 37.849	-0.0002	07	-54 16 34.99	0.029	07	0.18	37.851	15	38.8	35.32	18	38.8	F0	C9	8543	P -54 9973
28	10.2	9.2W	52 40.418	0.0015	09	-54 34 15.79	-0.005	09	0.19	40.401	15	38.8	15.73	18	38.8	K0	C9	8544	P -54 9974
29		6.7T	52 43.916	0.0008	12	-52 42 3.16	-0.033	08	0.60	43.877	22	99.9	1.22	19	91.2	K0	GC	30678	P*-5310196
30		6.3T	52 44.415	0.0026	11	-58 8 14.62	0.015	07	0.50	44.274	18	03.2	15.46	17	95.1	A3	GC	30679	P -58 7911
31	8.8	8.3W	52 47.596	0.0004	06	-59 35 19.54	-0.013	06	0.14	47.595	14	46.1	19.49	14	46.1	G5	C0	6901	P -59 7742
32	10.0	9.8W	52 55.439	-0.0002	13	-53 6 25.04	-0.020	13	0.22	55.441	15	38.8	24.82	18	38.8	F5	C9	8547	P -5310197
33		7.6T	52 59.828	-0.0016	15	-55 55 43.54	-0.044	12	0.67	59.906	21	04.7	41.36	19	00.6	K0	GC	30684	P -56 9771
34	11.0	10.6W	53 3.613	0.0043	15	-55 20 39.41	0.084	15	0.24	3.564	15	38.8	40.35	18	38.8	G0	C9	8549	P -55 9724
35		7.2T	53 8.288	0.0055	17	-51 39 1.00	-0.057	13	0.77	8.024	18	02.0	-58.14	15	99.5	K0	GC	30689	P -5211956
36	7.9	7.8W	53 8.876	0.0022	09	-53 16 59.49	-0.033	09	0.19	8.851	15	38.8	59.12	18	38.8	A3	C9	8552	P -5310200
37		7.9T	53 8.980	-0.0015	16	-53 17 11.79	-0.016	12	0.70	9.049	21	04.5	11.00	19	00.6	A3	GC	30690K	P -5310200
38	8.3	7.9W	53 28.310	0.0270	06	-59 42 41.55	-0.118	06	0.14	28.205	14	46.1	41.09	14	46.1	F5	C0	6907	P -60 7525
39	11.6E	10.4*	53 55.330	-0.0003	12	-50 41 42.64	0.006	12	0.63	55.343	31	03.6	42.93	28	03.6		CZ	19646	P -5111756
40	11.5E	9.3Z	53 56.385	0.0008	12	-51 18 24.80	-0.004	12	0.80	56.349	63	05.5	24.61	57	05.5	F8	CZ	19647	P -5111755
41	11.2E	9.4Z	53 56.570	0.0006	12	-51 18 34.21	-0.009	12	0.80	56.542	63	05.5	33.81	57	05.5	F8	CZ	19648	P -5111755
42	9.2	9.0W	54 11.180	0.0043	07	-51 51 11.67	-0.058	07	0.18	11.132	15	38.8	11.01	18	38.8	F2	C9	8560	P -5211957
43	10.0	9.2W	54 21.531	0.0006	07	-56 40 28.58	-0.023	07	0.14	21.529	14	46.1	28.49	14	46.1	K0	C0	6910	P -5710000
44		4.6H	54 31.763	0.0064	03	-55 13 53.02	-0.005	03	0.12	31.536	05	14.5	52.82	06	13.1	F0	F4	824	P -55 9733
45		7.4T	54 39.848	0.0041	10	-56 56 40.27	-0.014	09	0.51	39.627	15	98.2	39.52	12	96.7	M0	GC	30722	P -5710002
46	8.5	8.8W	54 40.183	0.0038	07	-53 47 17.72	-0.027	07	0.18	40.141	15	38.8	17.42	18	38.8	A0	C9	8563	P -54 9982
47		6.3T	54 58.962	0.0008	05	-59 15 6.53	0.018	04	0.24	58.922	12	07.1	7.37	12	03.5	F5	GC	30724	P -59 7744
48	10.3	9.6W	54 59.704	0.0014	09	-57 45 57.23	-0.011	09	0.14	59.698	14	46.1	57.19	14	46.1	G5	C0	6915	P -58 7915
49	10.0	9.6W	55 11.012	0.0028	15	-53 15 54.03	-0.055	15	0.24	10.981	15	38.8	53.42	18	38.8	G0	C9	8566	P -5310209
50	8.6	8.5W	55 11.958	0.0024	07	-54 13 38.37	-0.005	07	0.18	11.931	15	38.8	38.32	18	38.8	A0	C9	8567	P -54 9984
51	9.5	9.2W	21 55 23.523	0.0038	15	-54 27 57.43	-0.036	15	0.24	23.481	15	38.8	57.02	18	38.8	F8	C9	8568	P -54 9985
52	10.4	9.1W	55 25.832	0.0033	07	-56 22 9.09	-0.028	07	0.14	25.820	14	46.1	8.98	14	46.1	K2	C0	6916	P -56 9778
53	10.0	9.4W	55 58.787	0.0113	07	-54 19 26.26	-0.031	07	0.18	58.661	15	38.8	18.92	18	38.8	G5	C9	8569	P -54 9989
54	9.7E	9.5Z	56 9.137	-0.0052	12	-51 12 33.06	0.012	12	0.80	9.367	63	05.5	33.61	57	05.5	F5	CZ	19664	P -5111758
55	8.2	8.2W	56 16.036	0.0004	06	-59 48 35.64	0.011	06	0.14	16.035	14	45.8	35.69	14	45.8	A2	C0	6514	P -60 7529
56	9.4	9.0W	56 20.739	0.0059	09	-59 21 5.50	-0.027	09	0.14	20.716	14	46.1	5.39	14	46.1	F8	C0	6921	P*-59 7745
57	9.4E	8.5Z	56 34.698	0.0035	12	-50 29 4.33	-0.011	12	0.63	34.537	31	03.6	3.84	28	03.6	F2	CZ	19668	P -5011634
58	9.8	8.7W	56 35.005	0.0021	07	-53 26 50.43	-0.028	07	0.18	34.981	15	38.8	50.12	18	38.8	K0	C9	8571	P -5310215
59	10.2	9.5W	56 35.135	-0.0086	15	-54 53 36.92	-0.062	15	0.24	35.231	15	38.8	36.23	18	38.8	G5	C9	8572	P -55 9741
60	8.2	7.9W	56 46.333	0.0046	07	-52 17 48.29	-0.060	07	0.18	46.282	15	38.8	47.62	18	38.8	F0	C9	8574	P -5211961
61	8.5	8.1W	56 49.468	0.0042	08	-52 32 31.71	-0.071	08	0.19	49.421	15	38.8	30.92	18	38.8	F5	C9	8575	P -5211962
62		6.2T	57 0.242	0.0017	08	-56 7 23.57	0.018	08	0.49	0.148	19	96.2	24.55	18	95.3	B8	GC	30767	P*-56 9784
63	10.5	9.7W	57 6.561	0.0089	07	-53 25 39.86	-0.021	07	0.18	6.461	15	38.8	39.62	18	38.8	G5	C9	8577	P -5310216
64	9.2	8.2W	57 14.846	0.0031	06	-54 21 6.14	-0.019	06	0.18	14.811	15	38.8	5.92	18	38.8	K0	C9	8579	P -54 9993
65	8.5	8.0W	57 17.012	0.0045	07	-51 43 58.56	-0.004	07	0.18	16.962	15	38.8	58.52	18	38.8	F2	C9	8580	P -5211963
66	10.2E	9.3Z	57 25.153	0.0028	12	-50 16 29.69	-0.040	12	0.65	25.029	36	05.2	28.12	36	05.2	K0	CZ	19680	P -5011639
67	8.2	8.2W	57 29.010	0.0029	05	-56 42 42.34	0.011	05	0.14	28.999	14	46.1	42.39	14	46.1	A2	C0	6924	P -5710008
68	9.0E	8.5Z	57 32.524	-0.0027	12	-51 11 48.74	-0.082	12	0.65	32.651	31	02.6	44.86	31	02.6	G0	CZ	19681	P -5111762
69	9.2	8.8W	57 37.383	0.0010	05	-52 17 10.14	0.016	05	0.18	37.372	15	38.8	10.31	18	38.8	F5	C9	8581	P -5211964
70	9.7	9.3W	57 42.402	-0.0044	13	-55 59 40.16	0.031	13	0.15	42.420	14	46.1	40.28	14	46.1	F8	C0	6928	P -56 9786
71	10.9	10.0W	58 5.342	-0.0027	09	-52 15 1.25	-0.092	09	0.19	5.372	15	38.8	0.22	18	38.8	K0	C9	8584	P -5211965
72	9.7	9.2W	58 13.173	-0.0168	07	-53 10 55.58	-0.086	07	0.18	13.361	15	38.8	54.62	18	38.8	G0	C9	8585	P -5310222
73	10.5	10.0W	58 16.660	0.0017	13	-54 40 4.95	0.034	13	0.22	16.641	15	38.8	5.33	18	38.8	G0	C9	8587	P -55 9753
74		7.2T	58 17.759	0.0060	14	-53 19 39.38	-0.487	09	0.65	17.463	22	00.5	11.18	19	92.1	F8	GC	30790	P -5310224
75		8.0T	58 19.419	0.0043	14	-54 23 53.51	-0.025	12	0.61	19.242	18	08.5	52.33	19	02.6	F2	GC	30791	P*-54 9999
76	10.1	10.1W	58 27.176	-0.0022	15	-54 19 10.29	0.012	15	0.24	27.201	15	38.8	10.42	18	38.8	F0	C9	8590	P -5410000
77	9.5	9.3W	58 31.707	0.0006	06	-59 57 48.01	0.018	06	0.14	31.705	14	45.8	48.09	14	45.8	F5	C0	6522	P -60 7535
78	9.1	8.4W	58 36.063	0.0120	06	-59 26 54.87	-0.097	06	0.14	36.016	14	46.1	54.49	14	46.1	G5	C0	6934	P -59 7750
79	9.0	9.1W	58 54.028	0.0021	08	-55 0 12.95	0.001	08	0.19	54.004	15	38.8	12.96	18	38.8	A0	C9	8592	P -55 9757
80	9.7	8.9W	58 54.346	0.0183	07	-54 43 59.21	-0.088	07	0.18	54.141	15	38.8	58.23	18	38.8	G5	C9	8593	P -55 9756
81	10.4	10.2W	59 0.400	-0.0020	13	-57 31 52.21	-0.004	13	0.15	0.408	14	46.1	52.19	14	46.1	G0	C0	6937	P -5710014
82	9.2	8.6W	59 1.207	0.0105	06	-58 32 5.84	-0.091	06	0.14	1.166	14	46.1	5.49	14	46.1	F8	C0	6938	P -58 7919
83	10.0	9.0W	59 20.218	0.0024	13	-52 34 29.99	-0.024	13	0.22	20.191	15	38.8	29.72	18	38.8	K0	C9	8596	P -5211969
84		7.9T	59 21.080	0.0028	16	-51 31 25.84	-0.016	13	0.76	20.945	19	01.5	25.04	18	98.9	A3	GC	30814	C -5113146
85	10.7	9.9W	59 25.081	0.0034	07	-57 30 20.02	-0.009	07	0.14	25.068	14	46.1	19.99	14	46.1	K0	C0	6942	P -5710017
86	10.2	9.9W	59 25.324	0.0011	13	-56 15 11.26	0.003	13	0.15	25.320	14	46.1	11.28	14	46.1	F0	C0	6943	P -56 9793
87		4.7H	59 33.047	0.4822	02	-56 59 33.64	-2.555	02	0.10	15.824	05	14.3	-58.77	05	12.9	K5	F4	825	P -5710015
88	9.7E	9.2Z	59 50.801	-0.0080	12	-51 3 18.08	-0.034	12	0.80	51.156	63	05.5	16.58	57	05.5	G0	CZ	19704	P -5111766
89		8.0T	59 52.887	-0.0011	17	-50 33 30.54	0.005	13	0.77	52.942	17	01.7	30.78	18	99.2	K0	GC	30826	C -5013566
90	9.9	8.7W	22 0 12.052	0.0011	06	-58 29 39.91	-0.005	06	0.14	12.048	14	46.1	39.89	14	46.1	K0	C0	6948	P -58 7920
91		7.0T	0 13.791	-0.0280	10	-56 13 5.20	-0.094	07	0.50	15.447	18	96.6	-59.63	17	90.8	G0	GC	30834	P -56 9798
92	9.9	9.1W	0 34.008	0.0031	07	-59 29 1.05	0.062	07	0.14	33.996	14	46.1	1.29	14	46.1	G5	C0	6953	P -59 7754
93	10.4	10.2W	0 57.735	0.0042	07	-57 25 22.52	0.018	07	0.14	57.719	14	46.1	22.59	14	46.1	F5	C0	6955	P -5710022
94	10.0	8.9W	1 3.280	0.0028	13	-56 7 59.91	-0.033	13	0.15	3.270	14	46.1	59.78	14	46.1	K2	C0	6956	P -56 9801
95	9.9	9.4W	1 6.764	-0.0062	07	-58 24 47.94	-0.013	07	0.14	6.788	14	46.1	47.89	14	46.1	F8	C0	6958	P -58 7922
96	8.5	8.3W	1 9.674	0.0011	07	-52 27 18.67	-0.058	07	0.18	9.662	15	38.8	18.02	18	38.8	F0	C9	8605	P -5211974
97		7.6T	1 12.379	-0.0112	12	-56 32 31.69	-0.021	08	0.47	12.915	17	08.5	30.67	17	02.0	F8	GC	30850	P -56 9803
98	9.7	8.4W	1 14.779	0.0043	07	-52 46 52.58	-0.023	07	0.18	14.731	15	38.8	52.32	18	38.8	K2	C9	8606	P -5310235
99	9.5	8.3W	2 2.824	-0.0034	07	-52 7 35.08	-0.015	07	0.18	2.862	15	38.8	34.92	18	38.8	K0	C9	8609	P -5211976
00	10.9E	9.8*	2 7.651	-0.0001	12	-51 21 34.08	-0.006	12	0.65	7.655	31	02.6	33.79	31	02.6	G0	CZ	19720	P -5111774

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.6	8.1W	22 2 8.190	0.0111	06	-59 12 11.92	-0.060	06	0.14	8.146	14	46.1	11.69	14	46.1	G5	CD	6963	P -59 7756
2	10.0	9.0W	2 11.413	-0.0017	07	-52 22 1.05	-0.039	07	0.18	11.432	15	38.8	0.62	18	38.8	K0	C9	8610	P -5211977
3		5.6T	2 21.317	0.0070	07	-59 52 44.27	-0.053	06	0.27	21.026	10	12.1	42.07	10	08.6	K5	GC	30878	P+-60 7541
4	9.6	9.2W	2 31.976	-0.0052	06	-59 4 15.23	-0.036	06	0.14	31.996	14	46.1	15.09	14	46.1	G5	CD	6965	P -59 7759
5	8.8	8.4W	2 35.687	0.0047	06	-56 42 54.61	-0.033	06	0.14	35.669	14	46.1	54.49	14	46.1	G0	CD	6966	P -5710027
6	10.0	9.7W	2 44.372	0.0037	07	-54 7 32.89	0.012	07	0.18	44.331	15	38.8	33.02	18	38.8	F8	C9	8614	P -5410011
7	10.3	9.9W	2 49.076	0.0042	11	-56 14 13.73	-0.014	11	0.15	49.060	14	46.1	13.66	14	46.1	K0	CD	6968	P -56 9808
8	10.3	10.0W	2 55.470	0.0036	13	-58 41 27.05	-0.016	13	0.15	55.456	14	46.1	26.99	14	46.1	G0	CD	6969	P -59 7763
9	10.1	9.9W	3 0.232	0.0010	11	-57 32 52.68	-0.023	11	0.15	0.228	14	46.1	52.59	14	46.1	G0	CD	6970	P+-5710029
10	9.8	9.4W	3 28.963	0.0042	06	-59 24 34.05	0.009	06	0.14	28.946	14	46.1	34.09	14	46.1	K0	CD	6972	P -59 7764
11		8.9T	3 34.594	0.0292	14	-59 22 20.09	0.064	12	0.69	33.074	22	01.9	23.42	21	98.0	G0	GC	30906K	P+-59 7765
12	10.5	9.8W	3 43.147	0.0005	09	-54 1 30.42	-0.063	08	0.19	43.141	15	38.8	29.72	18	38.8	K0	C9	8616	P+-5410019
13	10.3	10.3W	4 3.752	0.0084	06	-56 53 43.36	-0.043	06	0.14	3.719	14	46.1	43.19	14	46.1	F0	CD	6977	P -5710037
14		7.1T	4 12.782	-0.0239	12	-59 33 49.17	-0.100	10	0.53	13.898	19	05.4	44.53	18	03.7	K0	GC	30925	P -59 7766
15	10.4	9.3W	4 16.686	0.0039	07	-52 27 14.22	-0.018	07	0.18	16.622	15	38.8	14.02	18	38.8	K0	C9	8618	P -5211980
16	9.1	8.4W	4 16.769	0.0000	06	-57 5 43.55	-0.016	06	0.14	16.769	14	46.1	43.49	14	46.1	G5	CD	6979	P -5710038
17	9.2	8.8W	4 23.048	-0.0066	06	-52 7 18.08	-0.068	06	0.18	23.122	15	38.8	17.32	18	38.8	F8	C9	8619	P -5211981
18	9.9	9.8W	4 46.249	0.0035	07	-59 51 2.95	-0.015	07	0.14	46.235	14	45.8	2.89	14	45.8	A3	CD	6547	P -60 7545
19	10.0	8.7W	4 49.700	0.0029	13	-57 44 13.76	-0.019	13	0.15	49.688	14	46.1	13.69	14	46.1	K0	CD	6983	P -58 7927
20	8.9	8.6W	4 58.666	0.0026	07	-59 43 58.65	0.033	07	0.14	58.655	14	45.8	58.79	14	45.8	F5	CD	6548	P -60 7546
21	10.9E	9.7*	5 1.771	0.0224	12	-50 56 16.01	-0.091	12	0.65	0.689	31	01.7	11.64	31	01.7		CZ	19746	P -5111779
22		7.9T	5 5.679	-0.0020	11	-50 21 2.37	0.025	09	0.45	5.758	15	10.0	3.43	15	06.8	F0	GC	30944	C -5013594
23	9.6	9.5W	5 7.922	0.0001	07	-53 36 3.89	-0.024	07	0.18	7.921	15	38.8	3.62	18	38.8	F5	C9	8623	P -5310247
24		9.4W	5 14.922	0.0019	18	-59 27 22.46	-0.082	15	0.73	14.838	21	09.0	18.94	19	07.0	G0	GC	30947	P -59 7767
25		7.9T	5 16.706	-0.0006	12	-59 31 50.22	0.013	10	0.56	16.734	19	05.3	50.85	18	00.9	K5	GC	30948	P+-59 7768
26	10.4	9.7W	5 18.499	0.0075	11	-56 21 5.31	-0.060	11	0.15	18.470	14	46.1	5.08	14	46.1	K0	CD	6989	P -56 9817
27		8.1T	5 20.873	0.0089	13	-56 40 52.02	-0.032	10	0.55	20.456	19	07.5	50.52	17	03.3	F2	GC	30952K	P+-5710042
28	10.0	9.8W	5 32.213	0.0037	11	-56 52 37.52	-0.033	11	0.15	32.199	14	46.1	37.39	14	46.1	F8	CD	6991	P -5710043
29	10.2	9.8W	5 43.629	0.0034	15	-53 0 50.69	-0.051	15	0.24	43.591	15	38.8	50.12	18	38.8	F8	C9	8627	P -5310249
30	10.6	9.7W	5 58.782	0.0041	09	-59 5 30.45	-0.015	09	0.14	58.766	14	46.1	30.39	14	46.1	G5	CD	6994	P -59 7770
31	10.5	9.1W	6 0.662	0.0000	09	-52 3 12.86	-0.022	09	0.19	0.662	15	38.8	12.62	18	38.8	K5	C9	8630	P -5211987
32	10.2	9.8W	6 10.747	0.0011	15	-55 17 2.88	-0.011	15	0.24	10.734	15	38.8	2.76	18	38.8	F8	C9	8632	P -55 9791
33		8.3T	6 12.324	-0.0038	16	-52 8 8.45	0.020	12	0.70	12.501	21	03.5	9.50	19	98.5	F5	GC	30975	P -5211988
34	10.4	9.8W	6 32.647	0.0122	13	-57 28 11.44	-0.116	13	0.15	32.599	14	46.1	10.99	14	46.1	G5	CD	7000	P -5710050
35	9.5	9.0W	6 48.007	0.0149	06	-57 14 30.51	-0.108	06	0.14	47.949	14	46.1	30.09	14	46.1	G0	CD	7001	P -5710052
36	10.3	9.4W	6 53.989	0.0033	07	-59 59 37.77	-0.021	07	0.14	53.975	14	45.8	37.69	14	45.8	G5	CD	6556	P -60 7548
37	8.0	7.5W	7 6.400	0.0240	07	-52 12 17.88	-0.104	07	0.18	6.132	15	38.8	16.72	18	38.8	F8	C9	8635	P -5211992
38	10.5	9.7W	7 8.465	-0.0005	15	-54 15 11.86	0.005	15	0.24	8.471	15	38.8	11.92	18	38.8	K0	C9	8636	P -5410029
39		7.2T	7 29.629	0.0238	12	-55 42 6.36	-0.136	08	0.54	28.267	21	01.9	58.69	18	93.7	G0	GC	31009	P -56 9825
40	11.1E	9.9*	7 31.487	0.0072	12	-51 35 41.62	-0.028	12	0.65	31.137	31	01.7	40.26	31	01.7		CZ	19766	P -5111784
41	10.4	10.2W	7 32.579	0.0027	13	-56 48 47.16	-0.018	13	0.15	32.569	14	46.1	47.09	14	46.1	G0	CD	7005	P -5710054
42	10.5	10.0W	7 38.129	-0.0024	11	-56 59 45.64	-0.039	11	0.15	38.139	14	46.1	45.49	14	46.1	G5	CD	7007	P -5710055
43	10.6	10.0W	7 51.028	-0.0058	15	-56 7 47.90	-0.013	15	0.24	51.093	15	38.8	47.75	18	38.8	G2	CD	6640	P -56 9826
44	9.9	9.0W	7 58.042	0.0008	07	-56 39 50.51	-0.007	07	0.14	58.039	14	46.1	50.49	14	46.1	G5	CD	7010	P -5710057
45	8.9	8.6W	8 17.570	0.0010	06	-59 4 41.60	-0.034	06	0.14	17.567	14	46.6	41.49	14	46.6	F5	CD	7011	P+-59 7773
46	9.4	9.5W	8 22.359	0.0031	09	-57 30 29.61	-0.005	09	0.14	22.348	14	46.6	29.59	14	46.6	A2	CD	7012	P -5710059
47	10.5	9.8W	8 22.615	0.0056	15	-55 35 40.07	-0.010	15	0.24	22.553	15	38.8	39.95	18	38.8	K0	C9	8642	P -55 9798
48	10.4E	9.5*	8 28.642	-0.0120	12	-51 5 45.33	-0.129	12	0.65	29.220	31	01.7	39.12	31	01.7	G0	CZ	19776	P -5111786
49	10.6	9.7W	8 53.204	-0.0012	07	-58 6 57.29	-0.029	07	0.14	53.208	14	46.6	57.19	14	46.6	K5	CD	7013	P -58 7931
50	10.6	10.1W	8 58.133	0.0011	15	-54 54 12.36	0.015	15	0.24	58.121	15	38.8	12.53	18	38.8	G5	C9	8644	P -55 9801
51	10.4	9.7W	22 8 58.445	0.0081	15	-55 13 27.35	-0.026	15	0.24	58.354	15	38.8	27.06	18	38.8	K0	C9	8645	P -55 9800
52	10.0	9.2W	9 2.831	0.0015	07	-55 26 7.05	-0.001	07	0.18	2.814	15	38.8	7.06	18	38.8	G5	C9	8646	P -55 9803
53	10.1	9.0W	9 5.744	-0.0061	15	-55 46 16.47	-0.010	15	0.24	5.813	15	38.8	16.35	18	38.8	K0	C9	8647	P -56 9832
54		7.9T	9 21.015	0.0153	16	-54 32 13.65	-0.092	12	0.69	20.332	21	05.3	9.16	19	01.2	F8	GC	31050	P+-5410034
55	10.3E	9.5*	9 24.221	0.0052	12	-50 31 21.23	-0.009	12	0.62	23.977	28	03.4	20.82	26	03.4	F5	CZ	19785	P -5011664
56	10.5	9.5W	9 26.980	0.0003	09	-57 31 42.89	-0.031	09	0.14	26.958	14	46.6	42.79	14	46.6	G5	CD	7014	P -5710065
57	10.5	9.8W	9 28.398	-0.0061	13	-56 39 49.07	-0.287	13	0.15	28.419	14	46.6	48.09	14	46.6	K0	CD	7015	P -5710066
58	10.4	10.1W	9 29.293	0.0007	13	-56 27 55.11	-0.007	13	0.15	29.290	14	46.6	55.08	14	46.6	F5	CD	7017	P -56 9834
59		7.0T	9 36.733	0.0055	10	-56 11 32.39	-0.002	08	0.52	36.423	15	98.0	32.27	14	93.9	M0	GC	31057	P -56 9835
60		7.8T	9 39.683	0.0007	15	-59 56 22.20	0.009	11	0.61	39.650	19	07.4	22.60	18	04.5	A0	GC	31060	P -60 7551
61	9.5	9.3W	9 44.092	-0.0054	07	-51 57 24.61	-0.008	07	0.18	44.152	15	38.8	24.52	18	38.8	F8	C9	8649	P -5211993
62	10.0	9.3W	10 17.943	0.0045	15	-55 43 14.95	-0.018	15	0.24	17.893	15	38.8	14.75	18	38.8	G0	C9	8650	P -56 9838
63		8.3T	10 30.201	0.0052	15	-52 30 3.06	-0.019	12	0.68	29.957	18	02.9	2.11	19	00.6	F5	GC	31079	P -5211994
64	8.7	8.4W	10 39.718	-0.0017	09	-59 44 36.23	0.038	09	0.15	39.725	14	45.8	36.39	14	45.8	F5	CD	6576	P -60 7552
65	9.5	7.9W	10 41.580	0.0030	06	-57 27 59.80	-0.004	06	0.14	41.569	14	46.6	59.79	14	46.6	MA	CD	7023	P -5710070
66		8.0T	10 44.577	0.0049	13	-55 32 49.97	0.008	11	0.57	44.341	18	08.0	50.35	18	01.8	A0	GC	31083	P -55 9808
67	9.8	9.0W	10 46.664	0.0001	06	-55 29 51.61	-0.023	06	0.18	46.664	15	38.8	51.36	18	38.8		C9	8655	P -55 9809
68	10.4	9.9W	10 49.713	0.0038	15	-54 51 13.51	0.028	15	0.24	49.671	15	38.8	13.83	18	38.8	G0	C9	8658	P -55 9810
69	10.0	9.5W	10 56.844	0.0163	07	-58 16 0.99	-0.029	07	0.14	56.788	14	46.6	0.89	14	46.6	G5	CD	7026	P -58 7932
70	9.9	8.5W	11 13.492	0.0019	07	-59 32 26.06	-0.021	07	0.14	13.485	14	46.6	25.99	14	46.6	K2	CD	7028	P -59 7780
71	8.4	8.3W	11 17.455	0.0066	06	-53 49 24.77	-0.039	06	0.18	17.381	15	38.8	24.32	18	38.8	F0	C9	8663	P -5410038
72	10.5	9.3W	11 29.784	-0.0037	09	-58 55 7.27	0.006	09	0.14	29.797	14	46.6	7.29	14	46.6	K5	CD	7029	P -59 7781
73		7.9T	11 46.870	0.0015	16	-52 26 44.22	0.013	12	0.71	46.800	18	03.1	44.90	19	98.9	K0	GC	31106	P -5211999
74	9.6	8.5W	11 47.043	-0.0035	13	-55 45 47.58	-0.047	13	0.22	47.083	15	38.8	47.05	18	38.8	K0	C9	8667	P -56 9849
75	10.4E	9.5*	12 2.356	0.0051	12	-51 7 51.25	-0.054	12	0.65	2.109	31	01.7	48.66	31	01.7		CZ	19807	P -5111790
76		7.8T	12 4.942	0.0035	15	-52 57 0.02	0.016	11	0.65	4.782	21	04.0	0.84	19	98.7	F8	GC	31114	P -5310266
77	8.7	8.6W	12 5.152	-0.0008	06	-54 13 50.60	0.019	06	0.18	5.161	15	38.8	50.82	18	38.8	F0	C9	8669	P -5410040
78	10.0	9.1W	12 10.823	-0.0018	07	-57 7 0.37	0.006	07	0.14	10.829	14	46.6	0.39	14	46.6	G5	CD	7031	P -5710072
79	9.2	9.2W	12 22.237	0.0041	07	-54 28 22.38	-0.015	07	0.18	22.191	15	38.8	22.22	18	38.8	A3	C9	8672	P -5410042
80		8.3T	12 37.997	0.0018	13	-52 24 27.75	-0.003	12	0.65	37.910	21	01.8	27.61	19	98.8	K2	GC	31126	P -5212000
81	10.2	9.9W	12 45.539	-0.0002	13	-56 19 24.50	-0.004	13	0.15	45.540	14	46.6	24.48	14	46.6	G0	CD	7034	P -56 9853
82		7.2T	12 47.261	0.0013	15	-57 49 2.91	-0.017	14	0.67	47.202	19	07.0	2.12	18	02.6	M8	GC	31129K	P -58 7936
83	8.4E	8.8Z	12 49.162	0.0011	12	-51 33 11.06	-0.001	12	0.65	49.107	31	01.8	11.00	31	01.8	A0	CZ	19817	P -5111792
84	9.8	9.2W	12 49.900	-0.0021	06	-59 29 2.96	0.039	06	0.14	49.907	14	46.6	3.09	14	46.6	G5	CD	7036	P -59 7783
85	9.1	8.8W	12 55.004	0.0030	08	-53 48 7.16	-0.003	08	0.19	54.971	15	38.8	7.12	18	38.8	F8	C9	8677	P -5410044
86	10.1E	9.5Z	13 8.668	0.0021	12	-50 36 2.18	0.016	12	0.70	8.571	45	04.7	2.92	45	04.7		CZ	19823	P -5011670
87	9.9	9.6W	13 12.019	-0.0002	15	-54 28 17.67	0.022	15	0.24	12.021	15	38.8	17.92	18	38.8	F8	C9	8681	P -5410047
88	10.0	8.6W	13 38.766	0.0021	07	-55 38 59.78	-0.011	07	0.18	38.743	15	38.8	59.65	18	38.8	K5	C9	8682	P -56 9860
89	9.7	8.9W	13 40.038	0.0078	07	-54 4 10.08	-0.022	07	0.18	39.951	15	38.8	9.82	18	38.8	G5	C9	8684	P -5410048
90		8.4T	13 56.993	0.0019	15	-52 13 37.00	0.042	12	0.68	56.906	21	04.0	39.16	19	99.0	F5	GC	31146K	P+-5212002
91		7.3T	13 59.499	0.0055	08	-54 34 16.26	-0.029	06	0.33	59.276	14	09.4	14.96	14	05.0	F0	GC	31148	P -5410051
92	9.2	8.3W	14 4.747	0.0025	07	-58 2 2.60	-0.002	07	0.14	4.738	14	46.6	2.59	14	46.6	G5	CD	7042	P -58 7938
93	9.8E	9.5Z	14 11.821	0.0011	12	-50 19 47.23	-0.005	12	0.70	11.772	45	04.7	47.02	45	04.7	K2	CZ	19832	P -5011674
94	10.1	9.7W	14 30.259	0.0061	07	-54 0 31.92	-0.017	07	0.18	30.191	15	38.8	31.72	18	38.8	F8	C9	8689	P -5410052
95	10.5	9.1W	14 35.332	0.0018	09	-59 44 58.56	-0.021	09	0.14	35.325	14	46.6	58.49	14	46.6	K5	CD	7043	P -60 7559
96		8.0T	14 38.621	-0.0030	17	-50 34 30.78	0.013	13	0.77	38.766	17	02.0	31.43	18	99.2	F0	GC	31168	C -5013635
97	10.3	8.5W	14 46.104	0.0020	09	-58 58 36.47	-0.023	09	0.14	46.097	14	46.6	36.39	14	46.6	K5	CD	7044	P -59 7787
98	9.5	8.6W	14 49.830	-0.0030	07	-56 1 41.57	-0.027	07	0.14	49.840	14	46.6	41.48	14	46.6	K0	CD	7045	P -56 9862
99	9.7	9.2W	14 59.457	-0.0030	07	-58 57 33.75	0.009	07	0.14	59.467	14	46.6	33.79	14	46.6	F8	CD	7046	P -59 7788
00		5.4T	14 59.642	0.0485	07	-53 52 8.81	-0.664	06	0.31	57.554	09	06.9	-37:27	10	02.5	G0	GC	31178K	P+-5410055

247400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER
1		8.4T	22 15 30.398	0.0186	11	-50 9 25.64	-0.132	09	0.57	29.409	18	96.8	18.03	17	92.6	GO	GC	31192K
2	9.7	9.6W	15 39.732	0.0046	07	-53 19 26.26	-0.057	07	0.18	39.681	15	38.8	25.62	18	38.8	F5	C9	8694
3	10.0	9.6W	15 48.919	0.0042	15	-52 28 27.93	-0.037	15	0.24	48.872	15	38.8	27.51	18	38.8	G5	C9	8695
4	9.8	8.0W	16 2.562	0.0077	06	-59 32 58.14	-0.014	06	0.14	2.535	14	46.6	58.09	14	46.6	K5	C0	7051
5		7.9T	16 31.402	-0.0016	15	-55 50 14.24	0.002	12	0.68	31.484	21	03.7	14.33	19	98.5	G5	GC	31204
6		9.8T	16 41.160	0.0022	15	-50 33 35.83	-0.041	13	0.71	41.059	24	03.6	33.83	24	01.5	K2	GC	31208
7	9.6	8.6W	16 52.558	0.0015	07	-53 13 52.10	0.002	07	0.18	52.541	15	38.8	52.12	18	38.8	K0	C9	8699
8	10.6E	9.0Z	17 9.583	0.0058	12	-50 37 1.00	-0.010	12	0.63	9.309	31	03.0	0.54	28	03.0	K0	CZ	19851
9	9.5E	8.9Z	17 13.476	0.0088	12	-51 21 36.82	-0.021	12	0.82	13.069	63	03.8	35.84	57	03.8	G0	CZ	19852
10		6.3T	17 17.325	0.0033	11	-57 45 41.76	-0.011	07	0.46	17.160	18	05.1	41.21	15	99.3	K5	GC	31219
11	9.7E	9.5Z	17 21.198	0.0024	12	-51 2 55.99	-0.003	12	0.82	21.086	63	03.8	55.87	57	03.8	G0	CZ	19855
12	10.2	8.5W	17 25.594	0.0050	06	-59 9 28.65	-0.018	06	0.14	25.577	14	46.6	28.59	14	46.6	K5	C0	7056
13	10.4	10.1W	17 34.556	0.0052	07	-57 48 10.29	-0.001	07	0.14	34.538	14	46.6	10.29	14	46.6	F6	C0	7058
14	10.5	9.6W	17 38.042	0.0015	09	-59 2 53.38	-0.028	09	0.14	38.037	14	46.6	53.29	14	46.6	K0	C0	7059
15	10.2	9.2W	17 53.959	0.0027	07	-56 20 35.40	-0.006	07	0.14	53.950	14	46.6	35.38	14	46.6	G5	C0	7061
16	9.8	9.3W	18 0.416	0.0055	06	-58 35 8.87	-0.055	06	0.14	0.397	14	46.6	8.69	14	46.6	G5	C0	7063
17		7.7T	18 6.861	0.0084	15	-56 1 1.48	0.042	12	0.67	6.446	21	04.7	3.54	19	00.7	F8	GC	31231
18		8.6T	18 11.330	0.0088	15	-52 30 1.19	-0.029	09	0.64	10.932	21	04.7	-59.57	17	93.7	F0	GC	31232
19		7.9T	18 15.576	-0.0022	16	-51 21 13.79	0.032	13	0.75	15.685	17	01.1	15.41	18	98.8	F5	GC	31234
20	9.0	8.9W	18 42.791	0.0006	07	-55 16 26.28	-0.029	07	0.18	42.784	15	38.8	25.96	18	38.8	A2	C9	8706
21	10.4	9.6W	18 43.197	-0.0037	09	-55 51 52.38	0.031	09	0.14	43.210	14	46.6	52.48	14	46.6	K0	C0	7065
22	9.6	8.8W	18 47.267	0.0058	06	-58 43 50.05	-0.048	06	0.14	47.247	14	46.6	49.89	14	46.6	K0	C0	7066
23	9.5	9.3W	18 48.909	0.0028	07	-56 2 45.44	-0.018	07	0.14	48.900	14	46.6	45.38	14	46.6	A5	C0	7067
24		7.0T	18 51.502	0.0022	12	-54 6 58.72	-0.019	11	0.62	51.397	17	01.1	57.74	18	98.5	K0	GC	31250
25	9.1	8.9W	18 59.886	-0.0007	06	-58 15 5.84	0.015	06	0.14	59.889	14	46.6	5.89	14	46.6	G0	C0	7068
26		7.4T	19 20.586	0.0017	12	-56 24 19.63	-0.029	10	0.53	20.499	18	07.0	18.16	18	99.5	A3	GC	31263K
27		8.8T	19 26.270	0.0068	26	-51 2 45.07	-1.075	26	1.15	25.972	21	05.9	-57.66	21	05.9	G5	GC	31267
28	9.8	9.4W	19 27.898	0.0006	07	-53 2 1.19	0.003	07	0.18	27.891	15	38.8	1.22	18	38.8	F8	C9	8713
29	9.3	9.1W	19 29.868	0.0050	06	-51 48 3.12	-0.081	06	0.18	29.812	15	38.8	2.22	18	38.8	G0	C9	8714
30	9.7	9.2W	19 39.997	0.0000	07	-59 19 39.62	-0.009	07	0.14	39.997	14	46.6	39.59	14	46.6	G0	C0	7071
31	10.0	9.0W	20 3.482	0.0009	07	-52 19 7.89	-0.007	07	0.18	3.472	15	38.8	7.82	18	38.8	G5	C9	8716
32	9.8	9.8W	20 20.481	0.0027	07	-52 52 13.84	-0.011	07	0.18	20.451	15	38.8	13.72	18	38.8	A5	C9	8717
33	10.6	9.7W	20 35.535	0.0020	08	-58 18 1.21	-0.007	08	0.14	35.529	14	46.6	1.19	14	46.6	G8	C0	7075
34		8.1T	20 40.636	-0.0009	11	-50 41 45.01	-0.009	09	0.62	40.689	19	93.7	44.46	17	90.4	K2	GC	31290
35	10.2	9.3W	21 4.155	0.0018	07	-58 25 54.77	0.005	07	0.14	4.148	14	46.6	54.79	14	46.6	K0	C0	7077
36	10.1	9.8W	21 4.413	0.0041	07	-58 13 37.49	-0.029	07	0.14	4.398	14	46.6	37.39	14	46.6	F8	C0	7078
37	9.9E	9.4Z	21 6.493	0.0080	12	-50 8 0.84	0.018	12	0.65	6.128	36	04.3	-10.20	36	04.3	G0	CZ	19891
38	9.7	9.4W	21 9.308	0.0034	06	-58 32 0.65	-0.019	06	0.14	9.297	14	46.6	0.59	14	46.6	G0	C0	7079
39	9.3	8.6W	21 31.282	0.0036	07	-52 0 17.25	-0.012	07	0.18	31.242	15	38.8	17.12	18	38.8	G5	C9	8720
40	10.5	9.8W	21 35.469	0.0029	07	-57 4 18.26	-0.022	07	0.14	35.459	14	46.6	18.19	14	46.6	K5	C0	7081
41		5.4T	21 38.036	0.0184	06	-58 2 47.95	-0.339	05	0.25	37.232	09	10.6	33.11	09	06.2	G5	GC	31311K
42	9.3	8.9W	21 51.392	0.0090	05	-54 3 44.27	-0.165	05	0.18	51.291	15	38.8	42.42	18	38.8	F8	C9	8721
43		7.6T	22 8.797	-0.0018	15	-51 39 6.33	-0.084	12	0.68	8.884	15	01.9	2.13	17	99.8	G5	GC	31324
44	10.4E	8.0Z	22 40.105	0.0040	12	-50 4 50.48	-0.015	12	0.64	39.915	31	02.4	49.78	28	02.4	MB	CZ	19908
45	10.0E	9.2Z	23 1.260	0.0029	12	-50 27 1.66	0.001	12	0.71	1.126	45	03.7	1.73	45	03.7	G0	CZ	19910
46	9.6	8.3W	23 15.112	-0.0014	07	-59 7 57.17	-0.025	07	0.14	15.117	14	46.6	57.09	14	46.6	K5	C0	7086
47	10.1	9.0W	23 27.948	-0.0003	09	-52 56 9.59	-0.015	09	0.19	27.952	15	38.8	9.41	18	38.8	K0	C9	8727
48	10.5	9.2W	23 36.337	-0.0007	09	-56 53 26.39	-0.030	09	0.14	36.339	14	46.6	26.29	14	46.6	K5	C0	7088
49	9.5	9.2W	23 37.052	-0.0008	13	-54 53 2.80	-0.007	13	0.22	37.061	15	38.8	2.73	18	38.8	A5	C9	8728
50	9.7	8.8W	23 52.312	0.0010	07	-53 13 5.18	0.004	07	0.18	52.301	15	38.8	5.22	18	38.8	K0	C9	8730
51		7.0T	22 4.551	-0.0013	10	-58 15 21.83	-0.003	07	0.47	4.621	18	01.8	21.68	17	97.0	A2	GC	31354K
52	9.9E	9.5Z	24 13.228	0.0027	12	-50 19 39.10	-0.012	12	0.64	13.101	31	02.4	38.55	28	02.4	G0	CZ	19922
53	8.9	7.9W	24 25.160	0.0032	06	-58 16 5.29	0.029	06	0.14	25.148	14	46.6	5.39	14	46.6	K0	C0	7092
54	10.8E	8.5Z	24 30.909	0.0023	12	-51 24 11.06	-0.021	12	0.65	30.798	31	01.8	10.04	31	01.8	K0	CZ	19926
55	10.3	9.7W	24 34.370	-0.0037	09	-53 52 20.05	-0.012	09	0.19	34.411	15	38.8	19.92	18	38.8	G8	C9	8732
56	8.8	8.7W	24 38.920	0.0031	07	-56 54 58.46	0.037	07	0.14	38.909	14	46.6	58.59	14	46.6	F0	C0	7093
57	9.2	9.0W	25 4.406	-0.0098	07	-56 46 3.36	0.009	07	0.14	4.439	14	46.6	3.39	14	46.6	G5	C0	7094
58	9.2	9.1W	25 5.220	0.0007	07	-51 37 41.37	-0.031	07	0.18	5.212	15	38.8	41.02	18	38.8	F0	C9	8734
59	10.4	9.3W	25 14.050	-0.0025	07	-57 57 13.20	-0.002	07	0.14	14.058	14	46.6	13.19	14	46.6	K5	C0	7095
60		7.1T	25 22.537	-0.0001	17	-52 2 38.20	-0.013	13	0.74	22.542	21	04.7	37.57	19	00.5	K5	GC	31378K
61		8.8T	25 43.152	0.0054	13	-59 29 10.98	0.008	12	0.53	42.928	17	10.9	11.31	17	08.8	F0	GC	31386
62	9.8	9.6W	25 58.500	-0.0028	06	-57 7 33.58	0.001	06	0.14	58.509	14	46.6	33.59	14	46.6	F5	C0	7097
63	9.9	9.5W	26 14.787	-0.0049	13	-52 21 24.92	-0.009	13	0.22	14.842	15	38.8	24.82	18	38.8	F8	C9	8737
64	11.3E	9.8*	26 22.776	0.0034	12	-51 7 47.95	-0.020	12	0.65	22.612	31	01.7	47.00	31	01.7		CZ	19937
65		8.1T	26 39.055	-0.0001	16	-50 7 20.03	0.004	13	0.75	39.059	24	01.9	20.22	18	98.8	F0	GC	31409
66	10.6	9.6W	26 54.953	0.0011	07	-53 47 5.25	0.024	07	0.18	54.941	15	38.8	5.52	18	38.8	G8	C9	8738
67		8.8T	27 20.063	0.0015	16	-51 48 33.47	0.003	12	0.70	19.935	21	04.5	33.63	19	00.6	K0	GC	31422K
68		8.4T	27 59.323	-0.0026	17	-50 39 13.74	0.011	12	0.76	59.450	18	01.8	14.30	17	97.9	F5	GC	31438
69	10.2	9.8W	28 10.006	-0.0004	07	-53 56 52.92	-0.027	07	0.18	10.011	15	38.8	52.62	18	38.8	F8	C9	8742
70		7.0T	28 22.858	0.0066	11	-51 11 41.01	0.018	09	0.58	22.505	18	96.2	42.03	17	92.3	G5	GC	31450
71		8.3T	28 24.821	0.0022	13	-53 38 23.24	-0.011	11	0.57	24.730	18	07.6	22.70	18	01.1	K2	GC	31452
72	9.6	8.1W	28 26.333	0.0018	06	-58 38 56.51	-0.007	06	0.14	26.327	14	46.6	56.49	14	46.6	K2	C0	7102
73	10.4	9.4W	28 27.440	-0.0015	09	-59 30 2.05	0.012	09	0.14	27.446	14	46.6	2.09	14	46.6	G5	C0	7103
74	10.1	9.9W	28 37.397	0.0021	07	-55 50 6.83	0.014	07	0.14	37.390	14	46.6	6.88	14	46.6	F8	C0	7104
75	10.3	9.7W	29 1.941	0.0033	07	-55 22 54.54	-0.061	07	0.18	1.904	15	38.8	53.86	18	38.8	G3	C9	8747
76	9.6	9.4W	29 7.275	-0.0044	13	-56 11 34.28	-0.028	13	0.15	7.290	14	46.6	34.18	14	46.6	G0	C0	7105
77	9.6	9.5W	29 11.890	-0.0000	07	-55 52 21.19	-0.002	07	0.14	11.890	14	46.6	21.18	14	46.6	F8	C0	7106
78	9.8E	8.5Z	29 16.005	0.0018	12	-50 35 44.56	-0.007	12	0.71	15.921	45	03.7	44.25	45	03.7	G5	CZ	19975
79	10.4	9.9W	29 21.340	0.0059	09	-56 13 22.84	0.012	09	0.14	21.320	14	46.6	22.88	14	46.6	F8	C0	7108
80	9.6	8.6W	29 31.298	0.0024	07	-56 14 41.40	-0.033	07	0.14	31.290	14	46.6	41.28	14	46.6	G5	C0	7109
81	10.5E	9.4Z	29 35.778	0.0136	12	-50 30 38.46	-0.099	12	0.71	35.147	45	03.7	33.90	45	03.7	G0	CZ	19978
82	10.6	10.0W	29 47.764	-0.0102	09	-57 33 59.12	-0.067	09	0.14	47.798	14	46.6	58.89	14	46.6	G5	C0	7110
83	10.0	8.4W	29 54.143	0.0014	09	-58 7 10.31	-0.005	09	0.14	54.138	14	46.6	10.29	14	46.6	K2	C0	7111
84	10.3	9.8W	30 4.335	0.0058	06	-59 24 2.56	-0.019	06	0.14	4.316	14	46.6	2.50	14	46.6	G0	C0	7112
85	9.1	8.9W	30 12.482	-0.0019	05	-56 24 9.22	-0.011	05	0.14	12.489	14	46.6	9.19	14	46.6	F2	C0	7113
86		8.8T	30 20.771	0.0018	14	-51 14 43.91	-0.017	13	0.70	20.682	22	02.0	43.08	22	00.5	K0	GC	31493
87		7.9T	30 22.446	-0.0011	14	-58 28 20.19	0.006	11	0.58	22.496	18	07.0	20.46	18	03.2	F0	GC	31494
88	9.2	8.3W	30 32.326	-0.0048	06	-51 38 37.64	-0.016	06	0.18	32.380	15	38.8	37.45	18	38.8	K0	C9	8751
89	10.5E	8.5Z	30 47.412	0.0002	12	-50 2 51.28	-0.009	12	0.64	47.402	31	02.4	50.86	28	02.4	G5	CZ	19981
90		7.6T	31 10.036	0.0028	11	-54 33 22.46	-0.018	08	0.48	9.916	18	06.8	21.50	18	98.0	A0	GC	31501
91		8.3T	31 13.582	0.0193	18	-51 3 45.08	-0.015	15	0.82	12.672	19	02.9	44.36	19	01.4	K0	GC	31502
92	9.7	9.4W	31 14.938	0.0003	07	-57 38 13.92	-0.038	07	0.14	14.937	14	46.6	13.79	14	46.6	F8	C0	7115
93	9.6	8.1W	31 14.980	-0.0004	05	-55 34 53.79	-0.003	05	0.18	14.984	15	38.8	53.76	18	38.8	K5	C9	8754
94	10.3	9.6W	31 21.291	0.0015	13	-55 43 20.27	-0.010	13	0.22	21.274	15	38.8	20.16	18	38.8	G8	C9	8755
95	10.0	8.9W	31 24.198	0.0048	07	-55 30 45.81	-0.014	07	0.18	24.143	15	38.8	45.66	18	38.8	K5	C9	8756
96	9.9	9.8W	31 33.321	0.0046	09	-54 26 53.82	-0.015	09	0.19	33.270	15	38.8	53.66	18	38.8	F5	C9	8757
97	9.6E	7.8Z	32 10.875	-0.0006	12	-50 15 0.64	-0.014	12	0.71	10.902	45	03.7	0.01	45	03.7	K2	CZ	19997
98		7.7T	32 16.889	0.0018	16	-55 26 34.91	0.009	12	0.69	16.799	21	05.2	35.33	19	01.0	K0	GC	31521
99	9.9E	8.8Z	32 22.663	0.0033	12	-50 24 53.92	0.025	12	0.71	22.510	45	03.7	55.09	45	03.7	K0	CZ	20000
00	9.7E	8.8Z	32 23.125	-0.0029	12	-50 17 22.87	0.006	12	0.71	23.258	45	03.7	23.17	45	03.7	G0	CZ	20001

-50° 22H

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-50° 22H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ,,.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1	9.7E	8.0Z	22 32 27.940	0.0040	12	-50 30 49.24	-0.026	12	0.82	27.757	63	03.8	48.05	57	03.8	K0	CZ	20002	P -5111836
2		6.8T	32 28.367	-0.0023	07	-51 51 46.68	0.003	06	0.33	28.467	12	01.0	46.82	12	01.0	K0	GC	31527	P -5212042
3	10.0	9.3W	32 29.337	-0.0012	07	-53 39 54.76	-0.054	07	0.18	29.350	15	38.8	54.16	18	38.8	G5	C9	8764	P -5410103
4	9.6	9.2W	32 33.272	-0.0009	11	-59 4 45.90	-0.031	11	0.15	33.275	14	46.6	45.80	14	46.6	G0	CO	7118	P -59 7811
5		6.3T	32 39.525	0.0102	10	-58 8 34.12	-0.005	07	0.43	38.994	17	04.1	33.85	15	98.2	A3	GC	31529	P -58 7971
6		8.2T	32 41.341	0.0035	16	-55 18 42.67	0.003	12	0.69	41.164	22	04.7	42.80	19	99.9	K2	GC	31530	P -55 9865
7	10.4	10.0W	32 47.226	-0.0003	13	-57 49 3.44	0.015	13	0.15	47.227	14	46.6	3.50	14	46.6	G	CO	7122	P -58 7972
8	10.0	9.6W	32 57.311	0.0305	09	-51 53 50.62	0.093	09	0.19	56.970	15	38.8	51.65	18	38.8	G2	C9	8767	P -5212044
9		7.8T	32 57.393	0.0418	17	-54 51 59.30	-0.235	12	0.71	55.531	21	05.4	46.83	19	01.2	G0	GC	31536	P*-55 9866
10		7.8T	32 59.191	0.0000	15	-55 27 4.05	0.009	12	0.68	59.189	19	03.3	4.48	18	99.6	K0	GC	31538	P -55 9867
11	9.7	8.7W	33 32.260	-0.0018	07	-53 23 11.76	-0.009	07	0.18	32.280	15	38.8	11.65	18	38.8	K0	C9	8771	P -5310316
12	8.8	8.2W	33 50.414	-0.0325	07	-59 49 12.11	0.084	07	0.14	50.524	14	46.6	12.40	14	46.6	G0	CO	7125	P -60 7579
13	9.9	9.0W	33 56.136	-0.0005	07	-58 1 41.06	0.012	07	0.14	56.137	14	46.6	41.10	14	46.6	G5	CO	7126	P -58 7974
14	9.4	9.1W	34 17.236	0.0059	06	-52 10 49.41	-0.032	06	0.18	17.170	15	38.8	49.05	18	38.8	G0	C9	8773	P -5212048
15	10.1	9.1W	34 18.616	0.0059	09	-59 1 29.80	-0.032	09	0.14	18.595	14	46.6	29.70	14	46.6	G5	CO	7130	P -59 7815
16	10.2	9.9W	34 24.672	0.0043	09	-57 56 15.58	0.063	09	0.14	24.657	14	46.6	15.79	14	46.6	G	CO	7131	P -58 7975
17	9.0	8.8W	34 33.706	0.0025	06	-58 6 48.25	0.042	06	0.14	33.697	14	46.6	48.40	14	46.6	F0	CO	7132	P -58 7976
18	10.6	9.9W	34 34.739	0.0010	13	-59 28 16.51	0.024	13	0.15	34.735	14	46.6	16.60	14	46.6	G5	O CO	7133	P -59 7816
19	10.5	9.8W	34 39.054	-0.0148	07	-53 8 6.19	-0.092	07	0.18	39.220	15	38.8	5.15	18	38.8	K0	O C9	8774	P -5310320
20	8.9E	8.0Z	34 43.976	0.0035	12	-50 19 35.72	-0.021	12	0.64	43.809	31	02.4	34.73	28	02.4	F0	CZ	20024	P -5011721
21	10.3	9.8W	34 47.015	0.0023	07	-58 21 3.65	-0.074	07	0.14	47.007	14	46.6	3.39	14	46.6	G0	CO	7135	P -58 7978
22	10.5	10.6W	34 52.459	0.0008	13	-58 59 0.52	-0.008	13	0.15	52.456	14	46.6	0.50	14	46.6	A0	O CO	7136	P -59 7818
23		7.9T	34 54.105	0.0029	16	-55 43 53.89	-0.001	12	0.68	53.963	21	05.5	53.87	19	01.2	K2	GC	31575	P -56 9919
24		8.0T	34 57.041	-0.0013	17	-53 1 49.44	0.013	12	0.72	57.102	18	04.3	50.06	19	01.1	K5	GC	31576	P -5310322
25	9.8	9.0W	35 9.006	0.0005	07	-54 12 42.50	0.023	07	0.18	9.000	15	38.8	42.76	18	38.8	K0	C9	8777	P -5410110
26	9.9	9.6W	35 11.800	-0.0009	09	-53 37 5.44	-0.017	09	0.19	11.810	15	38.8	5.26	18	38.8	F8	O C9	8778	P -5410111
27		7.9T	35 39.583	0.0031	16	-53 59 30.68	0.013	12	0.70	39.440	21	04.5	31.30	19	00.6	F0	GC	31592K	P -5410112
28	10.5	9.2W	35 50.191	0.0011	07	-58 29 20.90	-0.001	07	0.14	50.187	14	46.6	20.89	14	46.6	K2	CO	7141	P -58 7979
29	10.1E	9.0Z	35 54.011	-0.0011	12	-50 16 32.47	0.010	12	0.71	54.061	45	03.7	32.93	45	03.7	K0	CZ	20036	P -5011726
30	9.5	8.6W	35 56.048	0.0036	07	-59 4 6.89	0.001	07	0.14	56.035	14	46.6	6.90	14	46.6	K0	CO	7142	P*-59 7821
31		6.8T	36 3.644	0.0008	11	-52 57 9.83	-0.011	08	0.53	3.607	19	01.0	9.19	18	98.3	F0	GC	31602K	P -5310326
32	9.6	8.8W	36 16.727	0.0055	13	-55 24 52.15	-0.008	13	0.22	16.665	15	38.8	52.06	18	38.8	K0	C9	8783	P -55 9874
33	10.0	9.4W	36 19.259	0.0142	07	-54 57 10.45	-0.025	07	0.18	19.100	15	38.8	10.17	18	38.8	G8	O C9	8784	P -55 9875
34	8.9	8.9W	36 21.396	-0.0008	08	-55 28 39.02	0.066	08	0.19	21.405	15	38.8	39.76	18	38.8	F0	C9	8785	P -55 9876
35		7.7T	36 25.541	-0.0035	12	-50 56 32.32	-0.020	12	0.59	25.699	15	04.2	31.34	18	00.3	M0	GC	31609	C -5113342
36	10.7E	9.4*	36 47.483	0.0011	12	-50 14 56.09	-0.012	12	0.64	47.430	31	02.4	55.52	28	02.4		CZ	20041	P -5011732
37	8.9	9.2W	36 48.314	-0.0014	07	-54 23 14.67	-0.010	07	0.18	48.330	15	38.8	14.56	18	38.8	A0	C9	8787	P -5410114
38	10.7	10.7W	37 1.872	0.0024	11	-59 34 6.46	0.010	11	0.15	1.864	14	46.6	6.50	14	46.6	F8	O CO	7145	P -59 7822
39	9.8	9.6W	37 9.340	-0.0013	15	-55 34 50.65	0.010	15	0.24	9.354	15	38.8	50.76	18	38.8	G0	C9	8789	P -55 9878
40	9.6	9.5W	37 18.014	-0.0010	09	-58 6 4.21	0.027	09	0.14	18.017	14	46.6	4.30	14	46.6	A0	CO	7147	P -58 7981
41	9.7	9.5W	37 19.032	0.0053	15	-55 48 43.21	-0.014	15	0.24	18.974	15	38.8	43.06	18	38.8	G0	C9	8790	P -56 9926
42	10.6	10.3W	37 19.533	-0.0041	13	-58 21 8.51	-0.033	13	0.15	19.547	14	46.6	8.40	14	46.6	G2	O CO	7148	P -58 7982
43	10.7E	9.0Z	37 26.275	0.0058	12	-51 30 16.62	-0.020	12	0.65	25.996	31	01.7	15.63	31	01.7	MA	CZ	20049	P -5111848
44		5.9T	37 38.592	0.0084	08	-57 41 0.79	0.016	06	0.33	38.205	12	08.9	0.83	12	04.1	K0	GC	31641	P -58 7984
45	9.9	8.9W	37 40.281	0.0009	07	-57 21 51.06	-0.020	07	0.14	40.278	14	46.6	51.00	14	46.6	G5	CO	7152	P -5710118
46	9.5	7.8W	38 0.212	0.0002	07	-51 43 12.73	-0.042	07	0.18	0.210	15	38.8	12.25	18	38.8	M8	C9	8794	P -5212056
47		7.2T	38 6.115	-0.0025	15	-57 17 23.92	-0.002	12	0.65	6.235	21	05.5	23.80	19	01.5	K5	GC	31648	P -5710120
48	9.9	9.9W	38 24.616	0.0051	13	-57 7 53.43	0.020	13	0.15	24.598	14	46.6	53.49	14	46.6	A2	CO	7156	P -5710121
49		9.6T	38 27.819	0.0022	12	-52 9 51.10	-0.044	11	0.61	27.713	21	01.3	48.92	21	00.5	F8	GC	31656	P -5212058
50	9.6	9.4W	38 55.164	-0.0023	07	-54 12 38.78	-0.020	07	0.18	55.190	15	38.8	38.56	18	38.8	G0	C9	8797	P -5410116
51	9.7	8.7W	22 38 59.318	0.0058	07	-57 18 7.00	-0.001	07	0.14	59.298	14	46.6	6.99	14	46.6	K0	CO	7157	P -5710122
52	10.4	9.5W	39 15.828	0.0007	07	-58 32 35.38	0.004	07	0.14	15.825	14	46.6	35.40	14	46.6	K1	O CO	7159	P -58 7986
53	10.3	9.5W	39 31.201	-0.0022	11	-56 37 44.69	0.003	11	0.15	31.208	14	46.6	44.70	14	46.6	G5	O CO	7160	P -5710126
54	11.5E	10.1*	39 36.344	0.0033	12	-50 42 30.74	0.025	12	0.64	36.188	31	02.4	31.93	28	02.4		CZ	20065	P -5111854
55	9.7E	9.0Z	39 58.674	0.0008	12	-51 36 26.40	-0.033	12	0.65	58.636	31	01.7	24.79	31	01.7	A3	CZ	20071	P -5111856
56	10.6	9.9W	40 13.006	0.0052	13	-57 54 32.90	-0.030	13	0.15	12.987	14	46.3	32.79	14	46.3	G8	O CO	7165	P -58 7988
57	10.6	10.3W	40 18.346	-0.0030	13	-58 17 45.23	-0.009	13	0.15	18.357	14	46.3	45.19	14	46.3	G2	O CO	7167	P -58 7989
58	10.2	9.2W	40 30.818	0.0028	07	-57 40 31.80	-0.003	07	0.14	30.807	14	46.3	31.79	14	46.3	G8	O CO	7168	P -58 7991
59	9.1	9.0W	41 6.183	0.0056	06	-52 40 21.01	0.004	06	0.18	6.120	15	38.8	21.05	18	38.8	A2	C9	8805	P -5310340
60	9.0	8.9W	41 21.761	0.0035	07	-56 33 18.21	-0.031	07	0.14	21.748	14	46.3	18.09	14	46.3	A3	CO	7172	P -56 9942
61	9.8	8.7W	41 30.160	-0.0004	07	-56 25 32.66	-0.020	07	0.14	30.159	14	46.3	32.59	14	46.3	K0	CO	7173	P -56 9944
62	8.9	7.8W	41 31.376	-0.0004	06	-57 43 14.93	0.017	06	0.14	31.377	14	46.3	14.99	14	46.3	K0	CO	7174	P -58 7993
63	9.6	8.5W	41 35.873	0.0022	07	-58 43 52.58	0.005	07	0.14	35.865	14	46.3	52.59	14	46.3	K0	CO	7175	P -59 7824
64		7.1T	41 42.476	0.0041	15	-57 5 23.72	-0.002	12	0.64	42.279	19	06.0	23.84	18	02.3	K0	GC	31730	P -5710134
65	11.2E	9.8*	41 50.639	-0.0023	12	-50 17 53.74	-0.000	12	0.64	50.748	31	02.4	53.74	28	02.4		CZ	20084	P -5011742
66	8.9	8.5W	41 51.896	-0.0007	06	-56 57 28.45	0.012	06	0.14	51.898	14	46.3	28.49	14	46.3	G0	CO	7180	P -5710136
67	9.9	9.5W	41 53.223	0.0038	13	-56 8 25.35	0.009	13	0.15	53.209	14	46.3	25.39	14	46.3	F7	O CO	7181	P -56 9946
68	9.0	7.9W	41 53.285	0.0126	06	-57 21 15.13	-0.036	06	0.14	53.238	14	46.3	14.99	14	46.3	K0	CO	7182	P -5710135
69	11.6E	10.1*	42 21.627	0.0001	12	-51 13 53.89	0.004	12	0.65	21.624	31	01.8	54.08	31	01.8		CZ	20088	P -5111862
70		4.9T	42 34.442	0.0040	04	-53 45 49.19	0.024	04	0.23	34.254	10	03.4	50.45	10	96.5	K0	GC	31744K	P*-5410123
71	9.8	9.7W	42 41.279	-0.0019	07	-51 44 58.14	0.001	07	0.18	41.300	15	38.8	58.15	18	38.8	A2	C9	8808	P -5212066
72		6.6T	42 59.784	-0.0058	13	-55 19 37.52	0.006	11	0.57	+ 0.064	19	06.4	37.79	18	01.4	K0	GC	31752	P*-55 9891
73	10.0	8.9W	43 0.800	0.0033	07	-58 13 52.93	-0.010	07	0.14	0.787	14	46.3	52.89	14	46.3	K0	CO	7189	P -58 7997
74	10.8	10.4W	43 18.115	-0.0034	11	-57 56 43.25	-0.014	11	0.15	18.127	14	46.3	43.19	14	46.3	G2	O CO	7191	P -58 7999
75	10.0	9.8W	43 21.865	0.0018	11	-56 47 47.20	-0.001	11	0.15	21.858	14	46.3	47.19	14	46.3	F5	CO	7192	P*-5710138
76	10.0	9.7W	43 26.866	0.0005	06	-54 37 47.12	-0.004	06	0.18	26.860	15	38.8	47.17	18	38.8	F2	O C9	8811	P -55 9894
77	9.8	8.3W	43 28.767	-0.0021	08	-53 13 45.24	-0.061	08	0.19	28.790	15	38.8	44.55	18	38.8	K5	C9	8812	P -5310345
78	9.8	8.9W	43 30.623	-0.0067	06	-56 51 44.63	-0.064	06	0.14	30.648	14	46.3	44.39	14	46.3	K0	CO	7193	P -5710139
79		7.6T	43 41.029	-0.0002	16	-51 18 50.05	-0.012	13	0.75	41.036	24	03.3	49.46	21	98.9	M8	GC	31767	C -5113379
80	10.2	9.9W	43 44.618	0.0008	13	-58 59 34.83	-0.009	13	0.15	44.615	14	46.3	34.79	14	46.3	G2	O CO	7195	P*-59 7828
81		8.4T	43 58.825	-0.0053	16	-54 40 34.67	0.006	12	0.69	59.063	21	05.2	34.95	19	00.5	F5	GC	31773	P -55 9896
82		8.9W	44 15.081	0.0030	14	-54 40 36.09	-0.000	13	0.67	14.945	21	04.2	36.06	21	02.1	K0	GC	31780	P -55 9897
83	9.2	9.0W	44 38.888	0.0080	07	-57 23 21.54	-0.012	07	0.14	38.858	14	46.3	21.49	14	46.3	F5	CO	7199	P -5710142
84		8.3T	44 40.784	0.0038	15	-54 45 41.22	0.032	12	0.67	40.611	21	04.1	42.81	19	99.8	G0	GC	31790K	P*-55 9899
85	9.2	8.9W	44 44.437	0.0079	07	-57 21 15.08	-0.052	07	0.14	44.408	14	46.3	14.89	14	46.3	G0	CO	7200	P -5710143
86		7.1T	44 48.833	0.0038	14	-58 56 56.45	-0.019	11	0.61	48.644	21	05.6	55.49	18	00.5	K2	GC	31793	P -59 7830
87	10.1	9.2W	44 59.989	0.0011	12	-58 32 0.01	-0.006	12	0.15	59.985	14	46.3	-59.99	14	46.3	K2	CO	7202	P -58 8000
88	10.1	9.1W	45 2.496	0.0020	13	-56 3 19.63	0.014	13	0.15	2.489	14	46.3	19.69	14	46.3	K0	O CO	7203	P -56 9957
89		7.3T	45 3.424	0.0053	15	-51 46 36.58	0.021	11	0.66	3.179	15	03.6	37.63	19	99.6	K0	GC	31801	P -5212071
90	10.0	9.2W	45 7.283	0.0012	09	-57 15 12.08	-0.024	09	0.14	7.278	14	46.3	11.99	14	46.3	G7	O CO	7204	P -5710145
91	9.5	9.5W	45 16.166	0.0025	07	-58 11 24.68	-0.023	07	0.14	16.157	14	46.3	24.59	14	46.3	A3	CO	7205	P -58 8001
92	10.8	9.8W	45 24.504	-0.0032	11	-59 58 27.57	-0.022	11	0.14	24.515	14	46.8	27.50	14	46.8	G8	O CO	6731	P -60 7602
93		3.7M	45 32.707	0.0117	02	-51 34 49.24	-0.064	02	0.10	32.279	05	13.5	46.84	05	12.4	A2	F4	860	C -5113389
94	10.3	9.2W	45 40.799	0.0035	07	-54 37 26.96	-0.026	07	0.18	40.760	15	38.8	26.67	18	38.8	K2	C9	8820	P -55 9904
95	10.6	10.3W	45 51.831	-0.0066	13	-59 24 33.58	-0.023	13	0.15	51.855	14	46.3	33.49	14	46.3	F2	O CO	7208	P -59 7831
96	10.8E	9.4Z	45 55.638	0.0002	12	-50 33 32.79	-0.002	12	0.63	55.630	31	03.1	32.69	28	03.1	F5	CZ	20132	P -5011750
97		8.5T	46 5.126	-0.0001	17	-52 10 53.55	-0.008	15	0.76	5.132	22	05.1	53.18	21	03.4	K5	GC	31827	P -5212073
98	10.5	10.4W	46 17.536	0.0061	12	-59 30 15.02	0.019	12	0.15	17.514	14	46.3	15.10	14	46.3	F2	O CO	7211	P -59 7832
99	9.8	9.6W	46 21.443	-0.0024	*5	-53 8 18.79	0.024	15	0.24	21.470	15	38.8	19.05	18	38.8	G0	C9	8822	P -5310350
00	8.6	8.4W	46 21.900	0.0089	07	-54 12 7.50	-0.013	07	0.18	21.800	15	38.8	7.36	18	38.8	F8	C9	8823	P -5410137

247600			EPOCH 1950									ORIGINAL EPOCH						SP.		SOURCE	-50° 22H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.			CAT.	STAR NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					DM NUMBER
1	10.5	10.3W	22 46	23.984	0.0072	11	-57 58	20.36	0.008	11	0.15	23.957	14	46.3	20.39	14	46.3	G0	O	C0	7213
2	9.8	9.7W	46	26.984	-0.0037	15	-55 3	24.00	0.005	15	0.24	27.025	15	38.8	24.06	18	38.8	F5		C9	8824
3		7.5T	46	32.771	0.0047	16	-59 11	40.06	-0.015	12	0.67	32.545	21	06.2	39.32	19	02.1	K2		GC	31829
4	9.3	8.3W	46	33.320	0.0018	07	-53 34	27.11	-0.023	07	0.18	33.300	15	38.8	26.86	18	38.8	K0		C9	8825
5		7.0T	46	57.163	-0.0002	13	-55 29	57.69	-0.032	10	0.63	57.171	21	01.3	55.95	18	96.3	M0		GC	31837
6	10.5E	9.4Z	47	3.522	-0.0005	12	-51 6	33.06	0.003	12	0.82	3.546	63	03.8	33.20	57	03.8			CZ	20143
7	10.2	9.3W	47	3.918	0.0037	07	-59 44	17.18	-0.024	07	0.14	3.904	14	46.3	17.09	14	46.3	G5		C0	7215
8	9.3	7.9W	47	9.056	-0.0009	06	-56 10	48.37	0.003	06	0.14	9.059	14	46.3	48.39	14	46.3	K2		C0	7216
9	11.0E	9.5*	47	14.124	0.0010	12	-50 5	47.70	-0.007	12	0.63	14.076	31	03.1	47.36	28	03.1	G5		CZ	20146
10		7.5T	47	19.410	0.0019	13	-59 47	26.86	0.003	10	0.55	19.318	18	06.7	27.03	17	02.0	F0		GC	31843
11	9.1	8.7W	47	21.597	-0.0003	06	-56 5	6.58	-0.025	06	0.14	21.599	14	46.3	6.49	14	46.3	G0		C0	7218
12	9.9	9.7W	47	25.659	-0.0012	07	-59 41	28.46	0.011	07	0.14	25.664	14	46.3	28.50	14	46.3	F0	O	C0	7219
13	9.9	9.4W	47	26.842	0.0390	13	-56 45	45.15	-0.043	13	0.15	26.698	14	46.3	44.99	14	46.3			C0	7222
14		8.0T	47	30.589	0.0002	15	-55 29	3.93	0.010	11	0.67	30.577	21	04.1	4.42	19	99.0	A0		GC	31849
15	10.7	10.3W	47	46.101	-0.0018	11	-57 58	46.59	0.002	11	0.15	46.107	14	46.3	46.59	14	46.3	F5	O	C0	7224
16	10.8E	9.0Z	48	0.448	0.0023	12	-51 5	17.78	0.021	12	0.65	0.339	31	01.7	18.79	31	01.7			CZ	20150
17	8.7	7.9W	48	2.148	-0.0001	07	-56 44	38.42	-0.034	07	0.14	2.148	14	46.3	38.29	14	46.3	K0		C0	7227
18		7.3T	48	3.920	0.0097	12	-59 21	46.20	0.013	11	0.52	3.474	18	08.7	46.79	18	04.1	F0		GC	31859
19	9.6	8.7W	48	7.245	-0.0034	06	-58 14	18.57	0.005	06	0.14	7.257	14	46.3	18.59	14	46.3	K0		C0	7229
20	9.6	9.5W	48	17.082	0.0040	11	-57 49	23.53	0.016	11	0.15	17.067	14	46.3	23.59	14	46.3	F8		C0	7231
21	9.2	8.1W	48	17.588	0.0038	06	-59 37	29.10	-0.001	06	0.14	17.574	14	46.3	29.09	14	46.3	K0		C0	7232
22	9.7	9.3W	48	56.170	-0.0036	15	-52 9	10.48	-0.074	15	0.24	56.210	15	38.8	9.65	18	38.8	F2		C9	8833
23	9.8	9.7W	48	58.891	-0.0026	15	-51 55	44.08	-0.011	15	0.24	58.920	15	38.8	43.95	18	38.8	A5		C9	8835
24	10.5	9.6W	49	27.405	0.0130	07	-52 24	15.11	0.004	07	0.18	27.260	15	38.8	15.15	18	38.8	K0		C9	8838
25		8.4T	49	38.812	-0.0032	08	-52 29	26.10	-0.040	07	0.44	38.975	17	99.4	23.77	15	91.9	F5		GC	31894
26	10.2	9.8W	49	44.918	-0.0064	15	-54 16	11.70	-0.022	15	0.24	44.990	15	38.8	11.46	18	38.8	G5		C9	8840
27	10.7	9.2W	49	59.710	-0.0040	09	-55 5	43.31	-0.032	09	0.19	59.755	15	38.8	42.96	18	38.8	M0	O	C9	8842
28	10.2	9.6W	50	1.132	-0.0034	15	-51 56	46.06	-0.081	15	0.24	1.170	15	38.8	45.15	18	38.8	G5		C9	8843
29	10.1	9.3W	50	2.919	-0.0001	15	-54 11	47.34	0.019	15	0.24	2.920	15	38.8	47.56	18	38.8	G5		C9	8844
30	9.1	7.9W	50	12.881	0.0038	06	-58 7	12.85	-0.016	06	0.14	12.867	14	46.3	12.79	14	46.3	K2		C0	7238
31	10.1	9.6W	50	15.893	-0.0024	15	-52 24	4.01	-0.005	15	0.24	15.920	15	38.8	3.95	18	38.8	G0		C9	8846
32	11.2E	9.9*	50	36.836	0.0139	12	-50 37	34.66	-0.047	12	0.63	36.185	31	03.1	32.45	28	03.1			CZ	20169
33	10.6		50	40.317	-0.0001	13	-57 40	11.20	0.025	13	0.15	40.317	14	46.3	11.29	14	46.3	F2	O	C0	7241
34	10.4	9.9W	50	47.909	0.0091	11	-58 56	45.00	-0.001	11	0.15	47.875	14	46.3	44.99	14	46.3	G5	O	C0	7242
35	10.4E	9.5Z	50	49.536	0.0094	12	-50 51	59.37	-0.000	12	0.63	49.097	31	03.1	59.36	28	03.1	F5		CZ	20172
36	8.8	9.1W	50	58.861	0.0019	06	-54 59	37.23	-0.006	06	0.18	58.840	15	38.8	37.17	18	38.8	A0		C9	8848
37	10.9		51	28.606	0.0052	09	-57 46	56.10	-0.030	09	0.14	28.587	14	46.3	55.99	14	46.3	G2	O	C0	7246
38	10.8		51	29.684	0.0017	11	-58 9	37.33	-0.010	11	0.15	29.677	14	46.3	37.29	14	46.3	F2	O	C0	7247
39		9.9T	51	31.843	-0.0045	13	-52 51	48.51	-0.059	10	0.63	32.058	24	02.5	45.30	21	96.0	F8		GC	31933
40		10.0T	51	36.053	0.0013	16	-52 49	9.22	0.015	12	0.72	35.995	24	03.7	9.97	22	99.0	G5		GC	31934
41	9.4	9.4W	51	37.917	0.0015	07	-54 58	48.51	-0.004	07	0.18	37.900	15	38.8	48.47	18	38.8	A3		C9	8852
42	11.0	10.3W	51	41.481	0.0028	07	-54 49	12.58	-0.002	07	0.18	41.450	15	38.8	12.56	18	38.8	G5	O	C9	8853
43	10.7	10.4W	51	46.167	0.0025	11	-58 14	47.08	-0.023	11	0.15	46.157	14	46.3	46.99	14	46.3	F5	O	C0	7248
44	11.1E	9.7*	52	2.589	0.0045	12	-51 17	45.86	0.026	12	0.65	2.378	31	02.7	47.07	31	02.7			CZ	20178
45	9.2	9.2W	52	4.033	0.0038	07	-55 56	43.97	-0.024	07	0.14	4.019	14	46.3	43.89	14	46.3	A5		C0	7249
46	10.8		52	20.319	0.0005	13	-58 15	4.77	0.006	13	0.15	20.317	14	46.3	4.79	14	46.3	G0	O	C0	7252
47	9.5	9.5W	52	24.661	0.0001	06	-54 7	45.43	0.002	06	0.18	24.660	15	38.8	45.46	18	38.8	A2		C9	8855
48	10.1	10.1W	52	37.598	-0.0038	15	-51 46	15.92	-0.024	15	0.24	37.640	15	38.8	15.65	18	38.8	A3		C9	8858
49	10.2	9.9W	52	40.804	-0.0113	09	-54 16	43.56	0.008	09	0.19	40.930	15	38.8	43.66	18	38.8	G5		C9	8859
50	10.6	9.8W	53	8.727	0.0058	07	-59 24	37.00	-0.030	07	0.14	8.705	14	46.3	36.89	14	46.3			C0	7254
51	9.6	8.8W	22 53	22.096	0.0023	07	-58 2	49.16	0.007	07	0.14	22.087	14	46.3	49.19	14	46.3	K0		C0	7256
52	11.1E	10.0*	53	52.474	0.0022	12	-50 21	59.26	0.009	12	0.63	52.371	31	03.7	59.68	28	03.7			CZ	20194
53		7.1T	54	2.604	0.0087	13	-57 40	4.15	-0.049	09	0.54	2.187	18	06.5	1.81	18	02.3	M0		GC	31985
54	10.6	9.6W	54	19.462	-0.0015	09	-57 51	4.04	0.013	09	0.14	19.467	14	46.3	4.09	14	46.3	K0	O	C0	7260
55		7.2T	54	19.721	0.0031	12	-57 8	33.81	0.034	10	0.53	19.575	18	07.1	35.42	17	03.4	A2		GC	31990
56	9.9	9.2W	54	21.865	-0.0036	13	-55 12	26.88	0.033	13	0.22	21.905	15	38.8	27.26	18	38.8	K0		C9	8860
57		6.7T	54	54.285	0.0105	13	-59 21	23.95	-0.043	11	0.59	53.770	19	05.2	21.83	18	01.1	F0		GC	32001
58	9.8	9.3W	54	54.903	-0.0006	09	-51 42	3.66	-0.018	09	0.19	54.910	15	38.8	3.45	18	38.8	G0		C9	8861
59	10.8		55	0.110	0.0034	11	-57 57	46.21	0.023	11	0.15	0.097	14	46.3	46.29	14	46.3	G5	O	C0	7264
60	10.0	9.0W	55	16.155	0.0004	13	-59 40	34.65	0.013	13	0.15	16.154	14	46.3	34.70	14	46.3	K0		C0	7267
61		8.9T	55	28.704	0.0109	26	-51 4	0.17	-0.067	22	1.11	28.209	21	04.8	57.11	19	04.1	F2		GC	32011
62		7.8T	55	33.976	-0.0056	16	-51 23	43.84	-0.016	13	0.74	34.246	17	01.4	44.68	18	98.8	G5		GC	32012
63	10.6	9.7W	55	38.941	-0.0021	09	-56 4	43.33	-0.013	09	0.14	38.949	14	46.3	43.29	14	46.3	K2		C0	7269
64		8.7T	55	48.550	0.0007	13	-57 2	29.81	-0.016	11	0.53	48.517	17	09.1	29.11	17	05.1	F2		GC	32017
65	10.5	8.9W	56	13.127	-0.0002	09	-57 34	52.43	-0.012	09	0.14	13.127	14	46.3	52.39	14	46.3	K5	O	C0	7272
66	10.1	9.0W	56	17.226	0.0025	07	-58 11	37.47	-0.021	07	0.14	17.217	14	46.3	37.39	14	46.3	K2	O	C0	7273
67	9.9	9.8W	56	17.736	0.0023	07	-58 8	16.64	0.013	07	0.14	17.727	14	46.3	16.69	14	46.3	F5	O	C0	7274
68	10.3	9.5W	56	21.844	-0.0005	09	-53 37	39.91	-0.005	09	0.19	21.850	15	38.8	39.86	18	38.8	K0		C9	8865
69	10.9	9.8W	56	35.667	-0.0002	09	-58 5	34.41	0.023	09	0.14	35.667	14	46.3	34.49	14	46.3	K5	O	C0	7275
70	9.7	9.4W	56	41.536	0.0041	07	-52 4	24.73	-0.150	07	0.18	41.490	15	38.8	23.05	18	38.8	G0		C9	8867
71	11.0E	9.6*	56	47.187	0.0048	12	-50 7	2.59	0.006	12	0.61	46.964	28	03.7	2.86	26	03.7	G5		CZ	20216
72	9.3	9.1W	57	5.319	0.0083	06	-56 55	51.60	-0.030	06	0.14	5.288	14	46.3	51.49	14	46.3	F2		C0	7277
73		7.5T	57	12.397	0.0025	16	-51 58	10.45	0.008	12	0.71	12.280	18	02.8	10.87	19	98.5	A5		GC	32045
74	9.8	9.6W	57	15.554	0.0120	07	-54 22	24.53	0.011	07	0.18	15.420	15	38.8	24.66	18	38.8	G0		C9	8869
75		9.2T	57	19.202	-0.0074	13	-53 5	25.40	-0.034	12	0.64	19.547	22	03.6	23.74	21	01.8	G5		GC	32048
76	9.3	9.0W	57	24.048	-0.0021	11	-59 25	57.74	-0.013	11	0.15	24.055	14	46.3	57.79	14	46.3	G0		C0	7280
77	11.1E	9.5*	57	41.291	0.0030	12	-50 30	56.18	0.006	12	0.63	41.152	31	03.1	56.46	28	03.1	K0		CZ	20222
78	10.2	9.8W	57	46.697	-0.0046	09	-59 41	18.61	-0.030	09	0.14	46.714	14	46.3	18.49	14	46.3	F8		C0	7282
79	9.5	9.3W	57	54.209	-0.0024	07	-57 25	9.03	-0.009	07	0.14	54.218	14	46.3	8.99	14	46.3	F8		C0	7283
80		4.2H	57	56.340	-0.0069	03	-53 1	21.83	-0.008	03	0.11	56.578	05	15.6	21.53	05	11.3	G5		F4	868
81		7.1T	57	58.235	0.0087	09	-58 42	22.95	-0.002	07	0.42	57.780	17	01.0	22.83	15	97.8	A3		GC	32062K
82	10.8		58	5.698	0.0002	13	-57 51	2.65	-0.015	13	0.15	5.697	14	46.3	2.59	14	46.3	A8	O	C0	7285
83		5.6T	58	11.768	0.0084	09	-51 13	8.17	-0.001	06	0.33	11.454	14	12.8	8.14	14	06.8	K2		GC	32068
84	9.4	8.1W	58	36.660	0.0007	06	-57 33	24.91	-0.003	06	0.14	36.657	14	46.3	24.89	14	46.3	K2		C0	7288
85	8.9	8.1W	58	47.057	-0.0110	08	-51 44	9.99	-0.075	08	0.19	47.180	15	38.8	9.15	18	38.8	G5		C9	8880
86	9.7	8.6W	58	47.232	-0.0016	15	-52 21	22.24	-0.070	15	0.24	47.250	15	38.8	21.45	18	38.8	K0		C9	8881
87	11.1		58	52.556	0.0006	13	-59 31	18.75	-0.014	13	0.15	52.554	14	46.3	18.70	14	46.3	F7	O	C0	7289
88	8.7	9.3W	58	59.469	0.0015	07	-59 43	55.40	0.032	07	0.14	59.465	14	46.8	55.50	14	46.8	B8		C0	6792
89	9.6	9.4W	59	0.826	-0.0016	15	-55 32	3.35	-0.017	15	0.24	0.844	15	38.8	3.16	18	38.8	F2		C9	8883
90	10.5	10.3W	59	3.122	0.0040	09	-58 6	29.26	0.037	09	0.14	3.107	14	46.3	29.39	14	46.3	G0	O	C0	7292
91	9.3	9.0W	59	10.357	-0.0012	07	-52 34	21.05	-0.044	07	0.18	10.370	15	38.8	20.55	18	38.8	G0		C9	8884
92	9.9E	8.5Z	59	16.050	-0.0006	12	-51 22	50.87	0.022	12	0.65	16.076	31	02.7	51.89	31	02.7	F0		CZ	20236
93	9.3	8.5W	59	19.075	-0.0004	15	-54 17	9.39	-0.003	15	0.24	19.080	15	38.8	9.36	18	38.8	G5		C9	8885
94	10.4	10.2W	59	29.039	0.0059	11	-57 39	28.74	0.015	11	0.15	29.017	14	46.3	28.79	14	46.3	F8	O	C0	7293
95	10.0	9.1W	59	38.142	-0.0007	15	-54 7	13.47	-0.028	15	0.24	38.150	15	38.8	13.16	18	38.8	K0		C9	8887
96	9.1	8.2W	59	44.742	0.0002	07	-54 3	12.12	-0.024	07	0.18	44.740	15	38.8	11.86	18	38.8	G5		C9	8888
97		7.4T	59	47.559	0.0064	10	-53 14	4.64	0.012	09	0.55	47.216	19	96.1	5.29	18	94.5	G5		GC	32099
98	9.2	9.0W	23 -0	10.601	0.0037	07	-52 55	1.72	-0.005	07	0.18	10.560	15	38.8	1.65	18	38.8	G0		C9	8891
99		7.8T	0	17.004	0.0185	14	-55 26	14.13	-0.059	12	0.60	16.131	17	08.8	11.33	18	02.9	F2		GC	32108
00	9.8	8.2W	0	17.875	0.0020	07	-57 6	49.89	0.000	07	0.14	17.868	14	46.3	49.89	14	46.3	MA		C0	7297

247700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-50° 23H DM NUMBER
1		7.9T	23 0 32.522	0.0010	16	-56 46 7.75	0.017	12	0.65	32.567	19	06.6	8.56	18	03.7	F5		GC	32115	P -5710183
2	10.4	10.1W	0 48.055	0.0115	09	-59 11 1.64	-0.012	09	0.14	48.015	14	46.8	1.60	14	46.6	G3	O	CD	7352	P -59 7851
3	9.4	9.0W	0 49.112	0.0025	07	-59 47 9.51	-0.006	07	0.14	49.105	14	46.8	9.59	14	46.8	G0		CD	6807	P -60 7627
4	10.1	9.7W	0 53.082	-0.0045	09	-57 40 44.23	-0.038	09	0.14	53.097	14	46.6	44.15	14	46.6	G5		CD	7305	P -58 8036
5	9.5	9.4W	0 54.270	-0.0000	07	-54 21 30.44	-0.026	07	0.18	54.270	15	38.8	30.16	18	38.8	F8		C9	8894	F -5410192
6	10.3E	9.0Z	0 54.661	-0.0026	12	-50 43 8.23	0.014	12	0.70	54.780	45	04.7	8.06	45	04.7	K2		CZ	20253	P -5111900
7		8.1T	1 0.672	0.0047	09	-55 58 1.15	-0.032	07	0.49	0.395	19	99.2	-59.30	17	91.4	A2		GC	32126	F -56 9992
8	10.0	9.9W	1 14.310	-0.0036	15	-53 10 11.59	0.033	15	0.24	14.350	15	38.8	11.95	18	38.8	F0		C9	8896	F -5310393
9		8.2T	1 14.552	-0.0009	15	-55 17 44.25	0.075	12	0.68	14.596	21	03.6	48.02	19	99.5	F5		GC	32131K	P*-55 9943
10	9.8E	8.5Z	1 18.569	0.0025	12	-50 32 9.72	0.002	12	0.63	18.453	31	03.1	9.81	28	03.1	G5		CZ	20261	F -5011776
11		5.3T	1 42.868	0.0064	06	-54 14 0.86	-0.110	05	0.29	42.593	14	07.3	-55.48	12	01.2	K5		GC	32143	P*-5410197
12	9.3	8.4W	1 43.525	0.0022	07	-52 2 49.00	-0.040	07	0.18	43.500	15	38.8	48.55	18	38.8	K0		C9	8899	P -5212107
13	10.4	9.1W	1 55.751	-0.0012	07	-59 1 42.59	0.002	07	0.14	55.755	14	46.6	42.59	14	46.6	K0		CD	7312	P -59 7854
14	8.6	9.0W	1 59.704	0.0025	07	-59 2 43.79	0.001	07	0.14	59.695	14	46.6	43.80	14	46.6	A0		CD	7313	P -59 7855
15	10.5	9.4W	2 2.605	0.0021	13	-58 26 23.74	0.015	13	0.15	2.597	14	46.6	23.79	14	46.6	K2		CD	7314	P -58 8037
16	9.1	8.8W	2 6.312	0.0055	14	-51 37 32.41	-0.014	14	0.23	6.250	15	38.8	32.25	18	38.8	G5		C9	8900	P*-5212108
17	9.1	8.8W	2 6.945	0.0058	09	-51 37 27.11	-0.005	09	0.19	6.880	15	38.8	27.05	18	38.8	G5		C9	8901	P*-5212108
18	9.6	8.5W	2 18.969	0.0035	07	-54 0 7.28	-0.029	07	0.18	18.930	15	38.8	6.96	18	38.8	K0		C9	8902	P -5410199
19	7.9	7.8W	2 26.203	0.0050	06	-59 10 10.51	0.024	06	0.14	26.185	14	46.6	10.60	14	46.6	A5		CD	7316	P -59 7857
20	9.6	9.2W	2 30.846	0.0032	07	-53 7 42.30	-0.022	07	0.18	30.810	15	38.8	42.05	18	38.8	F5		C9	8903	P -5310396
21	9.3	9.0W	2 36.959	-0.0037	07	-54 33 13.34	-0.168	07	0.18	37.000	15	38.8	11.47	18	38.8	F8		C9	8905	P -5410200
22	10.5E	9.2*	2 38.330	0.0080	12	-51 14 36.14	-0.003	12	0.63	7.960	31	03.7	35.98	28	03.7	G0		CZ	20277	P -5111905
23	8.3	8.2W	3 11.120	-0.0074	07	-58 57 50.43	-0.012	07	0.14	11.145	14	46.6	50.39	14	46.6	A5		CD	7318	P -59 7858
24	10.0	9.8W	3 12.963	-0.0015	15	-53 50 41.66	-0.001	15	0.24	12.980	15	38.8	41.66	18	38.8	G5		C9	8907	P -5410203
25	9.0	8.9W	3 21.644	0.0021	09	-57 40 40.94	0.016	09	0.14	21.637	14	46.6	40.99	14	46.6	F2		CD	7319	P -58 8038
26	9.6	8.6W	3 24.106	0.0031	07	-59 2 35.43	-0.010	07	0.14	24.095	14	46.6	35.40	14	46.6	K0		CD	7320	P -59 7859
27	11.3E	10.1*	3 24.090	0.0017	12	-50 14 44.69	0.004	12	0.63	24.012	31	03.1	44.88	28	03.1	A3		CZ	20279	P -5011779
28	9.3	8.1W	3 24.682	0.0038	07	-56 14 8.41	-0.037	07	0.14	24.669	14	46.6	8.29	14	46.6	K0		CD	7321	P -56 9999
29	10.6	10.2W	3 29.555	-0.0035	09	-57 47 9.73	0.021	09	0.14	29.567	14	46.6	9.80	14	46.6	G0		CD	7322	P -58 8039
30		9.8T	3 33.769	-0.0011	15	-53 27 17.35	-0.028	13	0.70	33.821	24	04.4	16.00	24	02.3	G5		GC	32177	P -5310402
31	11.0		3 43.068	0.0094	14	-58 38 20.07	-0.021	14	0.15	43.035	14	46.6	20.00	14	46.6	F0	O	CD	7323	P -59 7860
32	10.2	9.3W	3 51.092	0.0020	09	-52 25 4.96	-0.027	09	0.19	51.070	15	38.8	4.65	18	38.8	K0		C9	8910	P -5212114
33	10.2	10.0W	3 54.010	0.0072	11	-58 37 5.02	-0.006	11	0.15	53.986	14	46.6	5.00	14	46.6	G0		CD	7324	P -59 7861
34	10.0	8.8W	4 0.558	0.0001	13	-57 35 53.80	-0.001	13	0.15	0.557	14	46.6	53.80	14	46.6	K2		CD	7326	P -58 8040
35	9.3	8.5W	4 2.261	0.0046	07	-53 3 5.28	0.025	07	0.18	2.201	15	38.8	5.55	18	38.8	K0		C9	8911	P -5310404
36	9.3	8.1W	4 7.084	0.0045	06	-56 13 21.66	-0.021	06	0.14	7.009	14	46.6	21.59	14	46.6	K0		CD	7327	P -5610000
37	10.1	8.9W	4 7.873	-0.0001	15	-55 49 8.95	-0.062	15	0.24	7.874	15	38.8	8.26	18	38.8	K0		C9	8912	P -5510001
38		6.8T	4 21.077	-0.0029	11	-50 57 26.37	-0.023	13	0.69	21.225	21	98.1	25.13	21	95.3	F5		GC	32190K	C -5113470
39		6.1T	4 21.926	-0.0046	09	-50 57 24.26	-0.015	09	0.50	22.140	18	03.0	23.44	19	94.1	F5		GC	32192K	C -5113471
40	10.5E	9.5Z	4 22.933	0.0040	12	-50 4 0.34	-0.007	12	0.70	22.753	45	04.7	0.01	45	04.7	K0		CZ	20292	P -5011783
41		7.6T	4 26.220	0.0007	17	-52 52 25.19	0.014	13	0.74	26.190	22	04.8	25.86	19	00.6	G5		GC	32195	P -5310405
42	9.0	8.7W	4 30.485	0.0046	06	-56 13 7.73	0.016	06	0.14	30.469	14	46.6	7.79	14	46.6	F8		CD	7328	P -5610002
43	8.5	8.4W	4 35.262	0.0116	06	-59 54 15.47	0.008	06	0.14	35.225	14	46.8	15.50	14	46.8	F0		CD	6822	P -60 7632
44	10.1	9.9W	4 41.569	0.0034	09	-57 48 45.50	0.029	09	0.14	41.557	14	46.6	45.59	14	46.6	F5		CD	7331	P -58 8041
45	10.4	9.0W	4 42.259	0.0011	06	-59 23 2.55	-0.015	06	0.14	42.255	14	46.6	2.50	14	46.6	K2		CD	7332	P -59 7862
46	11.1		4 44.783	0.0022	13	-58 47 27.15	-0.047	13	0.15	44.775	14	46.6	26.99	14	46.6	F8	O	CD	7334	P -59 7863
47	9.8	8.7W	4 49.687	0.0033	11	-58 34 43.99	-0.027	11	0.15	49.675	14	46.6	43.89	14	46.6	K0		CD	7335	P -58 8043
48	10.2	10.2W	4 50.753	0.0014	13	-57 15 8.90	0.028	13	0.15	50.748	14	46.6	9.00	14	46.6	A0		CD	7336	P -5710199
49	9.4	7.9W	4 53.327	0.0025	05	-56 24 50.20	-0.006	05	0.14	53.319	14	46.6	50.19	14	46.6	MA		CD	7337	P -5610004
50		8.1T	4 57.414	0.0003	16	-54 20 45.04	0.029	12	0.69	57.399	21	04.6	46.46	19	00.5	A2		GC	32216	P -5410207
51	10.7	10.0W	23 5 8.926	0.0036	13	-59 39 43.69	0.002	13	0.15	8.914	14	46.6	43.70	14	46.6	G4	O	CD	7340	P -60 7634
52	9.5	9.5W	5 24.589	-0.0010	08	-52 0 54.96	-0.000	08	0.19	24.600	15	38.8	54.95	18	38.8	A2		C9	8917	P -5212117
53	10.4	9.7W	5 56.145	0.0026	09	-58 41 37.20	-0.000	09	0.14	56.136	14	46.6	37.20	14	46.6	K0		CD	7344	P -59 7864
54	9.7E	8.5Z	5 59.105	0.0028	12	-51 23 18.28	-0.018	12	0.65	58.973	31	02.7	17.41	31	02.7	K0		CZ	20301	P -5111916
55	10.9	10.3W	5 59.872	-0.0105	13	-58 21 9.75	-0.016	13	0.15	59.907	14	46.6	9.70	14	46.6	G3	O	CD	7345	P -58 8045
56	8.6	8.2W	6 2.631	-0.0044	07	-52 11 22.76	-0.036	07	0.18	2.680	15	38.8	22.35	18	38.8	F8		C9	8918	P -5212118
57	11.1E	10.0*	6 6.904	-0.0004	12	-50 31 17.23	0.005	12	0.63	6.922	31	03.1	17.46	28	03.1	G0		CZ	20305	P -5011784
58	9.1	8.7W	6 22.690	0.0072	06	-59 16 45.73	0.020	06	0.14	22.665	14	46.6	45.80	14	46.6	G0		CD	7347	P -59 7865
59	9.4	9.2W	6 47.341	-0.0026	07	-53 37 18.90	-0.004	07	0.18	47.370	15	38.8	18.86	18	38.8	F5		C9	8920	P -5410213
60	9.7	9.3W	6 48.948	-0.0029	07	-54 55 21.29	-0.002	07	0.18	48.980	15	38.8	21.27	18	38.8	G5		C9	8921	P -55 9960
61	9.7	9.7W	7 1.327	0.0024	07	-54 53 37.95	0.019	07	0.18	1.300	15	38.8	38.17	18	38.8	A5		C9	8924	P -55 9961
62	9.9	9.6W	7 4.477	0.0042	07	-54 25 47.50	0.014	07	0.18	4.430	15	38.8	47.66	18	38.8	G0		C9	8925	P -5410217
63	10.5	9.7W	7 5.328	0.0003	08	-58 18 49.45	0.013	08	0.14	5.327	14	46.6	49.50	14	46.6	G5		CD	7349	P -58 8048
64	8.7	7.6W	7 16.551	0.0049	06	-59 38 27.56	0.010	06	0.14	16.534	14	46.6	27.60	14	46.6	K0		CD	7351	P -60 7639
65	9.2	9.1W	7 28.804	-0.0006	06	-59 23 10.98	-0.025	06	0.14	28.805	14	46.6	10.89	14	46.6	F5		CD	7352	P -59 7866
66	10.0	9.8W	8 4.509	0.0035	07	-54 48 55.05	-0.195	07	0.18	4.470	15	38.8	52.87	18	38.8	G0		C9	8927	P -55 9964
67		9.3T	8 9.306	-0.0094	22	-51 14 10.57	-0.325	20	0.99	9.730	21	04.6	-55.60	21	03.9	K0		GC	32290	C -5113489
68	9.7	9.7W	8 46.663	0.0015	11	-57 3 41.15	0.013	11	0.15	46.658	14	46.6	41.20	14	46.6	A3		CD	7363	P -5710214
69	10.5	10.2W	9 27.015	-0.0115	15	-55 45 39.86	-0.099	15	0.24	27.144	15	38.8	38.76	18	38.8	G0		C9	8931	P -5610021
70	10.4	10.2W	9 32.577	0.0038	15	-56 1 17.97	-0.055	15	0.24	32.534	15	38.8	17.36	18	38.8	F5		C9	8932	P -5610024
71	10.2	9.9W	9 37.052	0.0196	11	-58 56 22.47	-0.109	11	0.15	36.986	14	46.6	22.10	14	46.6	G0		CD	7369	P -59 7871
72	10.1	9.2W	9 39.954	0.0046	07	-57 20 10.98	-0.053	07	0.14	39.938	14	46.6	10.80	14	46.6	K2		CD	7370	P -5710219
73	10.6	9.6W	9 49.691	0.0012	13	-58 9 19.27	-0.022	13	0.15	49.687	14	46.6	19.20	14	46.6	K2		CD	7371	P -58 8051
74	10.1	9.6W	9 54.515	0.0103	07	-52 56 34.95	-0.035	07	0.18	54.400	15	38.8	34.55	18	38.8	G5		C9	8934	P -5310416
75	9.6	9.1W	9 59.682	-0.0025	07	-51 57 25.75	-0.089	07	0.18	59.710	15	38.8	24.75	18	38.8	G5		C9	8935	P -5212124
76		7.9T	10 2.483	0.0016	13	-54 27 32.86	-0.009	10	0.60	2.405	18	02.2	32.38	19	98.5	B9		GC	32310K	P*-5410225
77	9.9	9.6W	10 8.204	0.0062	07	-55 50 32.20	-0.022	07	0.18	8.134	15	38.8	31.96	18	38.8	F8		C9	8939	P -5610025
78		8.5T	10 11.625	-0.0011	13	-54 33 32.60	-0.004	11	0.59	11.874	17	06.4	32.38	18	00.7	K0		GC	32313	P*-5410226
79		8.3T	10 12.460	0.0051	13	-55 22 41.20	-0.032	11	0.57	12.211	18	07.4	39.63	18	01.5	A2		GC	32314	P -55 9968
80	10.1	9.7W	10 30.072	-0.0018	11	-57 24 22.90	-0.001	11	0.15	30.078	14	46.6	22.90	14	46.6	G0		CD	7374	P -5710225
81	10.5	9.2W	10 31.911	-0.0014	07	-59 2 20.24	0.016	07	0.14	31.915	14	46.6	20.30	14	46.6	K0		CD	7376	P -59 7873
82	9.6	9.4W	10 32.191	0.0019	09	-59 40 40.31	-0.003	09	0.14	32.184	14	46.6	40.30	14	46.6	F0		CD	7377	P -60 7642
83	9.5	8.5W	10 42.678	0.0027	13	-56 21 8.75	-0.047	13	0.15	42.869	14	46.6	8.59	14	46.6	K0		CD	7379	P -5610028
84	10.4	10.3W	10 56.742	0.0040	13	-55 54 59.36	0.038	13	0.15	56.729	14	46.6	59.49	14	46.6	F5		CD	7381	P -5610029
85	9.8	9.5W	11 1.234	-0.0045	15	-55 36 56.19	0.015	15	0.24	1.284	15	38.8	56.36	18	38.8	F5		C9	8945	F -5610030
86	9.7	9.2W	11 8.151	0.0081	07	-54 13 18.52	-0.006	07	0.18	8.060	15	38.8	18.46	18	38.8	G5		C9	8946	P -5410231
87	9.8	9.6W	11 9.517	0.0087	09	-58 22 11.25	-0.044	09	0.14	9.487	14	46.6	11.10	14	46.6	F2		CD	7382	P -58 8054
88	9.4	9.0W	11 15.999	0.0267	07	-52 17 46.42	0.012	07	0.18	15.700	15	38.8	46.55	18	38.8	G0		C9	8947	P -5212127
89	9.7	9.5W	11 17.419	-0.0019	15	-52 57 49.57	0.017	15	0.24	17.440	15	38.8	49.75	18	38.8	F2		C9	8948	P -5310420
90	10.1	9.0W	11 28.135	0.0029	07	-58 47 37.79	0.001	07	0.14	28.125	14	46.6	37.80	14	46.6	K0		CD	7383	P -59 7875
91	9.4	8.0W	11 33.913	0.0016	06	-57 30 33.45	-0.017	06	0.14	33.907	14	46.6	33.40	14	46.6	K5		CD	7384	P -5710228
92	9.8	9.4W	11 39.376	0.0139	07	-57 26 43.06	-0.020	07	0.14	39.328	14	46.6	43.00	14	46.6	G0		CD	7385	P -5710229
93	10.2	9.2W	11 51.516	-0.0004	08	-54 46 56.58	-0.010	08	0.19	51.520	15	38.8	56.47	18	38.8	K2		C9	8950	P -55 9975
94	9.8	9.7W	11 52.915	0.0031	15	-54 31 43.95	0.028	15	0.24	1.780	15	38.8	44.27	18	38.8	F8		C9	8951	F -5410237
95		8.4T	12 14.008	0.0296	13	-57 0 11.90	0.086	11	0.62	12.505	19	03.8	16.29	18	99.3	G0		GC	32358	P -5710232
96	11.1E	9.3*	12 14.806	0.0023	12	-51 31 39.98	0.005	12	0.65	14.699	31	02.7	40.20	31	02.7	K2		CZ	20367	P -5111932
97	10.8E	9.9*	12 18.640	0.0042	12	-51 7 40.00	-0.010	12	0.64	18.441	31	02.8	39.53	31	02.8	G0		CZ	20373	P -5111933
98		6.7T	12 28.979	0.0044	09	-56 57 50.70	-0.019	07	0.45	28.933	18	00.4	49.70	17	95.9	F0		GC	32361	P -5710234
99	9.7	9.4W	12 31.909	0.0028	07	-56 17 15.93	-0.042	07	0.14	31.899	14	46.6	15.79	14	46.6	G0		CD	7388	P -5610037
00		7.7T	12 33.572	-0.0036	08	-59 58 0.26	0.005	07	0.43	33.764	17	03.1	0.55	17	96.4	K2		GC	32363K	P -60 7644

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ,,.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ,,.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ,,.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ,,.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 23H DM NUMBER
1	10.2	9.9W	23 12 48.242	-0.0015	07	-58 14 26.98	0.033	07	0.14	48.247	14	46.6	27.10	14	46.6	F8	CO	7390	P -58 8056
2	8.8	7.9W	12 53.298	0.0295	07	-58 21 16.61	-0.064	07	0.14	53.197	14	46.6	16.40	14	46.6	G5	CO	7391	P -58 8057
3	10.0	9.8W	13 11.078	0.0016	07	-53 35 14.32	0.012	07	0.18	11.060	15	38.8	14.46	18	38.8	F8	C9	8955	P -5310427
4	9.9	9.5W	13 11.429	0.0064	07	-58 18 29.51	-0.004	07	0.14	11.407	14	46.6	29.50	14	46.6	F5	CO	7392	P -58 8058
5	10.7E	9.6*	13 12.992	0.0006	12	-50 7 16.21	0.002	12	0.63	12.966	31	03.1	16.30	28	03.1	A0	CZ	20383	P -5011796
6		7.1T	13 13.892	-0.0019	14	-52 8 42.40	-0.007	12	0.67	13.984	18	02.0	42.03	19	98.1	K5	GC	32372	P -5212131
7	10.0	9.7W	13 14.876	-0.0008	13	-56 40 27.33	0.018	13	0.15	14.878	14	46.6	27.40	14	46.6	F8	CO	7394	P -5710236
8	10.6	10.4W	13 30.397	-0.0025	13	-59 17 30.95	-0.016	13	0.15	30.405	14	46.6	30.89	14	46.6	F2	CO	7395	P -59 7876
9		7.0T	13 32.141	0.0049	09	-55 48 0.69	0.022	07	0.37	31.918	14	08.9	1.71	14	04.6	F5	GC	32381	P -5610040
10		8.4T	14 6.316	0.0001	17	-52 8 7.28	-0.022	13	0.74	6.312	18	03.7	6.20	19	00.8	M0	GC	32398	P -5212133
11		8.3T	14 8.832	-0.0074	16	-51 35 27.88	-0.120	13	0.76	9.187	22	02.2	21.61	21	97.8	G0	GC	32399	C -5113522
12	10.4	10.3W	14 22.981	0.0047	13	-58 32 7.22	-0.038	13	0.15	22.965	14	46.6	7.10	14	46.6		CO	7397	P -58 8060
13		8.7T	14 25.549	0.0063	14	-55 12 26.01	-0.068	11	0.65	25.226	21	03.5	22.52	19	99.0	F5	GC	32410	P -55 9987
14		4.1H	14 31.468	-0.0032	02	-58 30 36.45	0.089	02	0.10	31.583	05	14.2	39.70	05	13.7	F2	F4	877	P -58 8062
15	10.2	9.9W	14 48.185	-0.0031	07	-54 32 2.86	0.010	07	0.18	48.220	15	38.8	2.97	18	38.8	F2	C9	8966	P -5410248
16	10.1	9.4W	14 53.132	0.0055	07	-53 6 39.61	-0.049	07	0.18	53.070	15	38.8	39.05	18	38.8	G5	C9	8967	P -5310430
17	9.9	9.7W	15 3.854	0.0048	15	-54 45 23.53	0.012	15	0.24	3.800	15	38.8	23.67	18	38.8	F2	C9	8968	P -55 9989
18	9.3	9.0W	15 4.386	-0.0004	08	-51 48 53.59	0.059	08	0.19	4.390	15	38.8	54.25	18	38.8	F8	C9	8969	P -5212135
19	10.7	9.5W	15 14.551	0.0010	09	-53 50 57.23	0.011	09	0.19	14.540	15	38.8	57.36	18	38.8	K2	C9	8970	P -5410249
20		8.4T	15 35.700	0.0011	14	-54 55 22.39	0.001	12	0.65	35.651	19	04.6	22.42	19	98.5	K2	GC	32438	P -55 9991
21	10.0	9.2W	15 38.825	0.0056	06	-58 34 13.97	0.007	06	0.14	38.806	14	46.6	13.99	14	46.6		CO	7402	P -58 8063
22		7.6T	15 41.421	0.0280	14	-58 34 39.62	-0.145	11	0.62	40.023	18	03.7	32.56	15	00.1	G0	GC	32440K	P -58 8064
23	10.0	9.4W	15 42.959	0.0026	07	-53 44 16.20	-0.058	07	0.18	42.930	15	38.8	15.56	18	38.8	G5	C9	8973	P -5410253
24	10.5	9.4W	15 49.730	0.0040	09	-55 26 26.70	-0.013	09	0.19	49.685	15	38.8	26.56	18	38.8	K2	C9	8974	P -55 9993
25	10.0	8.7W	15 56.164	-0.0005	09	-58 54 17.82	-0.007	09	0.14	56.165	14	46.6	17.79	14	46.6	K2	CO	7404	P -59 7879
26	10.6E	9.7*	16 4.538	-0.0052	12	-50 37 14.37	-0.007	12	0.63	4.781	31	03.1	14.04	28	03.1	G0	CZ	20406	P -5111937
27	10.7E	9.8*	16 28.965	-0.0004	12	-51 21 29.70	-0.012	12	0.64	28.946	31	02.8	29.11	31	02.8	A3	CZ	20413	P -5111939
28	9.9E	9.2Z	16 29.603	-0.0014	12	-50 15 18.69	0.017	12	0.63	29.671	31	03.0	19.49	28	03.0	A3	CZ	20414	P -5011800
29	9.3	7.6W	16 33.121	0.0001	07	-53 41 36.83	0.002	07	0.18	33.120	15	38.8	36.86	18	38.8	K5	C9	8977	P -5410257
30	9.7	8.3W	16 40.593	0.0017	06	-58 23 52.70	-0.002	06	0.14	40.587	14	46.6	52.70	14	46.6	K2	CO	7407	P -58 8066
31		9.0T	16 57.672	-0.0223	16	-54 59 21.56	-0.133	14	0.73	58.684	22	04.7	15.22	21	02.5	G5	GC	32469	P -5510000
32	10.3	9.7W	17 2.230	0.0062	09	-57 14 19.70	-0.031	09	0.14	2.208	14	46.6	19.60	14	46.6	G0	CO	7408	P -5710246
33	10.2	8.8W	17 13.737	0.0042	07	-52 10 13.87	-0.010	07	0.18	13.690	15	38.8	13.75	18	38.8	K5	C9	8980	P -5212140
34	10.2	9.7W	17 23.399	0.0026	07	-54 44 48.91	0.005	07	0.18	23.370	15	38.8	48.97	18	38.8	K0	C9	8983	P -5510001
35	9.8	9.4W	17 27.174	-0.0005	15	-51 53 54.37	-0.037	15	0.24	27.180	15	38.8	53.95	18	38.8	F5	C9	8984	P -5212142
36	10.1E	9.0Z	17 47.083	-0.0025	12	-50 41 53.67	-0.026	12	0.70	47.196	45	04.7	52.49	45	04.7	G0	CZ	20424	P -5111940
37		8.9T	18 0.867	0.0023	12	-50 35 2.24	-0.090	20	0.79	0.756	24	02.5	-58.21	24	05.0	A3	GC	32496K	C*-5013947
38		6.2T	18 1.804	0.0030	10	-50 34 46.83	-0.072	08	0.51	1.643	18	97.2	42.61	17	91.1	F5	GC	32498K	C*-5013948
39	10.1	9.9W	18 11.752	0.0069	13	-56 34 37.41	-0.005	13	0.15	11.728	14	46.6	37.39	14	46.6	F5	CO	7414	P -5610052
40	10.3	9.8W	18 42.690	0.0134	09	-53 27 0.06	-0.152	09	0.19	42.540	15	38.8	-58.35	18	38.8	G5	C9	8990	P -5310441
41	10.5	9.6W	18 45.851	0.0001	15	-52 41 6.46	-0.027	15	0.24	45.850	15	38.8	6.15	18	38.8	G5	C9	8991	P -5310442
42	10.1	9.8W	19 42.330	0.0047	11	-59 37 23.79	0.001	11	0.15	42.314	14	46.6	23.80	14	46.6	F2	CO	7421	P -60 7652
43	9.8	9.0W	19 48.754	0.0017	06	-57 26 1.97	0.008	06	0.14	48.748	14	46.6	2.00	14	46.6	K0	CO	7423	P -5710257
44	9.6	9.4W	19 58.406	0.0062	11	-58 41 26.71	-0.033	11	0.15	58.385	14	46.6	26.60	14	46.6	F8	CO	7426	P -59 7885
45	9.4	9.0W	19 59.459	0.0071	06	-53 19 42.67	-0.064	06	0.18	59.385	15	38.8	41.95	18	38.8	F8	C9	8994	P -5310444
46		7.9T	20 2.895	-0.0004	16	-57 53 56.99	0.011	12	0.66	2.916	21	06.5	57.50	19	02.4	G5	GC	32533	P -58 8068
47	9.6E	8.0Z	20 5.113	0.0022	12	-50 27 51.87	0.008	12	0.70	5.016	45	04.7	52.24	45	04.7	K2	CZ	20448	P -5011809
48	10.5	9.6W	20 25.585	-0.0008	07	-58 0 13.33	-0.011	07	0.14	25.587	14	46.6	13.30	14	46.6	G5	CO	7429	P -58 8069
49	9.5	9.1W	20 30.100	-0.0082	13	-56 47 2.28	0.005	13	0.15	30.128	14	46.6	2.30	14	46.6	F5	CO	7430	P -5710259
50	10.3	10.0W	20 31.688	0.0126	09	-58 55 46.00	-0.003	09	0.14	31.645	14	46.6	45.99	14	46.6	G0	CO	7431	P -59 7886
51		6.5T	23 20 32.234	-0.0019	09	-55 49 39.56	0.003	08	0.50	32.346	19	95.2	39.77	18	90.5	K0	GC	32542	P*-5610061
52	10.4	8.8W	20 48.408	0.0025	06	-56 22 6.40	-0.005	06	0.14	48.399	14	46.6	6.39	14	46.6	K2	CO	7433	P -5610062
53		7.4T	21 3.503	0.0048	10	-54 5 21.59	-0.034	08	0.50	3.263	17	00.4	19.65	18	93.6	A5	GC	32549K	P*-5410280
54		6.5T	21 5.240	0.0070	08	-54 4 57.95	-0.022	07	0.45	4.845	15	93.8	56.51	15	85.7	A5	GC	32551K	P -5410281
55	9.7	8.6W	21 8.459	0.0046	06	-59 47 50.79	0.000	06	0.14	8.445	14	46.8	50.79	14	46.8	K0	CO	6905	P -60 7657
56	11.0E	9.8*	21 20.892	0.0048	12	-51 1 14.74	-0.027	12	0.65	20.664	31	02.7	13.46	31	02.7		CZ	20463	P -5111944
57	9.4	8.4W	21 21.540	-0.0009	07	-52 35 42.29	-0.021	07	0.18	21.550	15	38.8	42.05	18	38.8	K0	C9	9001	P -5310448
58		5.7T	21 25.481	0.0007	09	-52 9 55.86	-0.035	06	0.32	25.456	14	12.6	54.30	12	05.6	K5	GC	32559	P -5212150
59	9.6	9.3W	21 27.663	0.0038	07	-52 40 33.45	-0.017	07	0.18	27.620	15	38.8	33.25	18	38.8	F5	C9	9004	P -5310451
60	10.5E	9.8*	21 38.569	-0.0009	12	-51 33 15.10	-0.027	12	0.65	38.613	31	02.7	13.85	31	02.7	F5	CZ	20464	P -5111946
61	9.6	9.2W	21 52.214	0.0029	06	-59 54 35.06	0.010	06	0.14	52.205	14	46.8	35.10	14	46.8	G0	CO	6908	P -60 7658
62	10.1	9.6W	21 53.029	-0.0054	09	-57 46 46.62	-0.094	09	0.14	53.047	14	46.6	46.30	14	46.6	G0	CO	7438	P -58 8070
63		7.6T	21 54.325	-0.0033	16	-52 58 29.30	-0.168	12	0.70	54.477	21	04.3	20.63	19	98.5	G0	GC	32572	P -5310453
64	10.3	8.9W	21 55.217	0.0006	06	-54 1 15.14	-0.017	06	0.18	55.210	15	38.8	14.96	18	38.8	K2	C9	9008	P -5410283
65	9.6	8.7W	22 23.206	0.0023	06	-54 53 14.94	-0.007	06	0.18	23.180	15	38.8	14.87	18	38.8	K0	C9	9009	P -5510019
66	10.2	10.1W	22 25.100	0.0013	15	-55 4 1.59	0.015	15	0.24	25.084	15	38.8	1.76	18	38.8	F0	C9	9011	P -5510020
67		5.6T	22 29.052	0.0102	06	-57 7 25.53	-0.019	05	0.26	28.545	12	05.2	24.62	10	00.5	K0	GC	32579	P -5710268
68	9.4	9.2W	22 41.890	0.0032	07	-55 43 38.93	0.002	07	0.18	41.854	15	38.8	38.96	18	38.8	F0	C9	9012	P -5610071
69		9.9T	22 55.411	-0.0024	15	-54 17 57.48	-0.083	13	0.68	55.517	22	05.0	53.57	22	03.1	G5	GC	32587	P -5410284
70	10.5	10.3W	23 4.226	0.0117	15	-55 21 15.83	0.092	15	0.24	4.095	15	38.8	16.86	18	38.8	F5	C9	9015	P -5510022
71	10.4E	9.5Z	23 5.471	0.0010	12	-51 16 20.22	0.015	12	0.80	5.426	63	05.7	20.86	57	05.7	F2	CZ	20480	P -5111951
72	9.8	9.6W	23 21.737	0.0022	13	-56 12 36.68	0.002	13	0.15	21.729	14	46.6	36.69	14	46.6	F0	CO	7444	P -5610073
73	10.3	9.3W	23 22.970	-0.0012	07	-59 33 22.67	-0.021	07	0.14	22.974	14	46.6	22.60	14	46.6	G5	CO	7445	P -59 7888
74		5.5H	23 49.239	0.0037	03	-52 59 55.03	0.131	03	0.12	49.120	06	17.7	59.36	06	17.0	F0	F4	883	P -5310461
75	8.2	8.0W	23 59.681	0.0109	06	-59 55 7.50	-0.061	06	0.14	59.644	14	46.6	7.30	14	46.6	F5	CO	7447	P -60 7660
76	10.1	9.7W	24 1.165	0.0022	07	-51 38 3.44	0.002	07	0.18	1.140	15	38.8	3.45	18	38.8	G0	C9	9020	P -5212152
77	10.4	9.3W	24 4.244	-0.0014	08	-52 27 44.52	-0.015	08	0.19	4.260	15	38.8	44.35	18	38.8	K2	C9	9021	P -5212153
78		7.3T	24 8.244	0.0109	14	-58 41 54.21	-0.049	08	0.56	7.664	19	06.5	51.58	17	96.9	K0	GC	32613	P -59 7889
79	9.1	8.0W	24 16.106	-0.0005	06	-57 35 16.99	0.003	06	0.14	16.107	14	46.6	17.00	14	46.6	K0	CO	7450	P -58 8072
80		6.3T	24 23.182	0.0030	07	-50 25 57.94	0.010	06	0.28	23.060	10	09.3	58.39	09	06.1	B8	GC	32621	C*-5013976
81		7.7T	24 24.534	0.0101	14	-50 33 17.27	-0.045	11	0.67	24.039	18	01.2	14.85	21	95.8	K2	GC	32623K	C -5013977
82		5.6T	24 24.610	0.0057	07	-58 45 8.56	0.080	05	0.26	24.374	10	13.3	11.84	10	08.8	K0	GC	32624	P -59 7890
83	10.3E	8.0Z	24 28.338	-0.0011	12	-50 33 13.29	0.013	12	0.69	28.386	45	05.7	13.86	45	05.7	K2	CZ	20493	P -5011820
84	10.1	9.9W	24 34.428	0.0025	15	-52 57 11.43	-0.016	15	0.24	34.400	15	38.8	11.25	18	38.8	F8	C9	9024	P -5310463
85	9.4	8.6W	24 35.975	-0.0058	07	-52 34 36.01	-0.175	07	0.18	36.040	15	38.8	34.05	18	38.8	G5	C9	9025	P -5212154
86	10.2	9.9W	24 38.668	0.0138	13	-59 56 43.05	0.013	13	0.15	38.625	14	46.8	43.10	14	46.8	F8	CO	6919	P -60 7661
87	10.3	9.8W	24 50.135	-0.0013	13	-54 7 57.30	0.014	13	0.22	50.150	15	38.8	57.46	18	38.8	F5	C9	9026	P -5410286
88		7.5T	25 5.051	-0.0012	10	-50 37 9.38	0.002	07	0.41	5.101	14	07.6	9.49	15	04.5	G5	GC	32637K	C -5113570
89		7.5T	25 24.454	0.0099	16	-56 42 39.80	-0.047	12	0.68	23.973	18	04.6	37.54	17	01.5	F2	GC	32646K	P*-5710277
90	10.2	9.3W	25 36.450	0.0038	07	-57 54 21.87	0.009	07	0.14	36.437	14	46.6	21.90	14	46.6	K0	CO	7454	P -58 8074
91	10.1	9.4W	25 58.089	0.0116	11	-56 7 32.29	-0.002	11	0.15	58.049	14	46.6	32.29	14	46.6	G5	CO	7455	P -5610079
92	10.3	9.9W	25 58.620	0.0036	09	-52 30 20.41	0.004	09	0.19	58.580	15	38.8	20.45	18	38.8	G0	C9	9031	P -5212159
93		7.0T	25 59.353	0.0044	14	-59 42 44.66	-0.009	11	0.59	59.147	18	06.8	44.26	18	03.3	K0	GC	32656	P -60 7663
94	8.9	8.6W	26 1.133	-0.0017	06	-57 9 14.79	0.003	06	0.14	1.138	14	46.6	14.80	14	46.6	F8	CO	7457	P -5710279
95	10.8	9.4W	26 10.220	0.0027	09	-54 44 49.76	-0.017	09	0.19	10.190	15	38.8	49.57	18	38.8	MA	C9	9033	P -5510029
96	8.8E	8.5Z	26 22.491	0.0093	12	-51 17 46.30	0.067	12	0.63	22.061	31	03.7	49.38	28	03.7	F8	CZ	20504	P -5111962
97	10.4	10.1W	26 24.506	0.0032	07	-54 26 57.28	-0.020	07	0.18	24.470	15	38.8	57.06	18	38.8	F8	C9	9035	P -5410293
98	10.3	10.2W	26 27.942	0.0010	13	-56 44 58.55	0.013	13	0.15	27.938	14	46.6	58.60	14	46.6	F8	CO	7459	P -5710281
99		6.5T	26 29.866	0.0007	09	-54 46 37.95	0.022	07	0.49	29.829	18	96.0	39.28	17	88.6	K0	GC	32663	P -5510031
00	9.5	9.1W	26 30.746	-0.0039	08	-51 51 50.70	0.041	08	0.19	30.790	15	38.8	51.15	18	38.8	G0	C9	9037	P -5212162

247900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-50° 23H DM NUMBER
1		6.9T	23 26 39.478	0.0030	13	-52 57 15.68	-0.004	09	0.57	39.339	17	03.1	15.45	18	97.5	G5	GC	32868	P -5310467
2	10.3	9.7W	26 46.397	0.0051	07	-52 56 31.17	-0.046	07	0.18	46.340	15	38.8	30.65	18	38.8	G3 O	C9	9040	P -5310468
3	9.1	9.4W	26 52.306	0.0014	07	-53 41 40.85	-0.008	07	0.18	52.290	15	38.8	40.76	18	38.8	A0	C9	9041	P -5410294
4	10.1	9.9W	26 54.120	0.0067	13	-57 32 41.08	-0.055	13	0.15	54.097	14	46.6	40.89	14	46.6	G0	C0	7463	P -5710282
5	9.9	9.8W	27 33.672	0.0049	13	-58 42 7.47	0.009	13	0.15	33.655	14	46.6	7.50	14	46.6	A5	C0	7467	P -59 7894
6	10.2	9.8W	27 46.557	0.0053	13	-56 29 24.32	-0.011	13	0.15	46.539	14	46.6	24.29	14	46.6	G0	C0	7469	P -5610085
7	9.6	9.7W	27 53.210	-0.0016	09	-58 55 6.65	0.013	09	0.14	53.215	14	46.6	6.70	14	46.6	A0	C0	7471	P -59 7896
8	9.2	8.8W	28 8.756	-0.0032	07	-58 23 17.42	-0.008	07	0.14	8.767	14	46.6	17.40	14	46.6	G0	C0	7472	P -58 8076
9	9.7	9.1W	28 23.339	0.0115	07	-51 58 5.54	0.019	07	0.18	23.210	15	38.8	5.75	18	38.8	G5	C9	9045	P -5212165
10	10.5	10.0W	28 30.113	-0.0015	09	-56 42 53.44	0.017	09	0.14	30.118	14	46.6	53.50	14	46.6	F5	C0	7473	P -5710287
11	9.7	9.2W	28 30.774	0.0039	07	-54 16 14.68	-0.047	07	0.18	30.730	15	38.8	14.16	18	38.8	G5	C9	9046	P -5410301
12	8.2	7.8W	28 31.281	0.0245	06	-58 29 8.38	0.004	06	0.14	31.197	14	46.6	8.40	14	46.6	F8	C0	7474	P -58 8077
13	10.5	10.4W	28 36.518	0.0097	13	-54 10 29.78	0.033	13	0.22	36.410	15	38.8	30.16	18	38.8	F0	C9	9047	P -5410302
14		7.2T	28 42.070	-0.0051	13	-56 25 6.24	0.012	11	0.63	42.329	21	02.9	6.88	19	99.0	K0	GC	32700	P -5610086
15		8.5T	28 57.972	0.0112	16	-54 2 43.09	-0.047	12	0.69	57.471	21	05.3	40.78	19	01.2	G5	GC	32709	P -5410305
16		9.3T	29 11.035	-0.0002	15	-56 32 47.04	-0.011	12	0.59	11.043	18	10.3	46.57	18	05.1	F2	GC	32716	P -5610089
17		9.2T	29 13.243	-0.0031	18	-56 31 31.57	-0.022	15	0.78	13.387	22	06.3	30.56	21	03.2	K7	GC	32718	P -5610090
18		7.9T	29 16.889	-0.0013	13	-59 16 47.31	-0.018	09	0.56	16.950	21	04.8	46.44	18	02.3	K0	GC	32721	P*-59 7897
19	10.2	10.0W	29 25.172	0.0015	13	-57 34 57.94	0.015	13	0.15	25.167	14	46.6	57.99	14	46.6	F8	C0	7480	P -5710288
20	10.5	10.0W	29 43.629	-0.0055	15	-52 13 25.17	-0.037	15	0.24	43.690	15	38.8	24.75	18	38.8	G0	C9	9052	P -5212168
21		8.1T	29 48.939	0.0033	17	-50 23 31.15	0.003	13	0.77	48.781	17	02.0	31.31	18	99.2	A2	GC	32734	C -5014000
22	10.5	9.6W	29 53.669	0.0026	07	-52 51 23.72	-0.023	07	0.18	53.640	15	38.8	23.45	18	38.8	K0	C9	9055	P -5310477
23		8.4T	30 39.860	0.0040	15	-57 18 22.48	-0.026	12	0.63	39.683	18	07.0	21.32	18	05.6	F8	GC	32751K	P*-5710292
24		8.0T	30 43.558	0.0036	13	-57 19 48.04	0.030	11	0.58	43.387	19	05.1	49.47	17	02.3	F0	GC	32752	P -5710293
25	10.1E	8.7*	30 45.451	-0.0027	12	-51 19 1.09	-0.007	12	0.65	45.577	31	02.7	0.74	31	02.7	K0	CZ	20546	P -5111972
26	9.6	8.8W	30 51.509	0.0001	06	-57 4 46.87	-0.011	06	0.14	51.509	14	46.6	46.83	14	46.6	G5	C0	7486	P -5710294
27	9.7	9.2W	30 54.660	0.0128	06	-53 56 1.21	-0.072	06	0.18	54.517	15	38.8	0.40	18	38.8	G5	C9	9061	P -5410311
28		8.5T	30 56.366	-0.0001	16	-52 0 11.41	-0.026	12	0.70	56.368	21	04.3	10.08	19	98.5	G5	GC	32757	P -5212169
29	10.3	9.9W	31 4.717	0.0007	09	-59 46 13.04	-0.000	09	0.14	4.715	14	46.6	13.03	14	46.6	F5	C0	7488	P -60 7668
30	9.7	9.7W	31 22.978	0.0036	11	-58 43 24.94	0.026	11	0.15	22.966	14	46.6	25.03	14	46.6	A5	C0	7489	P -59 7901
31	10.0E	9.3*	31 31.169	-0.0018	12	-50 49 46.64	-0.018	12	0.64	31.252	31	02.8	45.79	31	02.8	K0	CZ	20553	P -5111975
32	10.0	9.2W	31 31.377	0.0005	06	-59 21 25.35	-0.006	06	0.14	31.376	14	46.6	25.33	14	46.6	K0	C0	7491	P -59 7903
33		6.9T	32 16.759	-0.0048	10	-57 6 5.99	-0.003	07	0.50	17.037	18	99.2	5.81	17	92.3	F2	GC	32783	P -5710297
34	9.8E	8.5Z	32 17.394	-0.0014	12	-51 16 23.15	-0.013	12	0.80	17.455	63	05.8	22.56	57	05.8	G0	CZ	20560	P -5111978
35		8.1T	32 19.586	-0.0016	16	-56 17 5.36	-0.025	12	0.69	19.667	21	05.2	4.12	19	00.5	K0	GC	32785	P -5610100
36	10.6		32 25.517	0.0122	13	-58 36 4.90	-0.020	13	0.15	25.476	14	46.6	4.83	14	46.6	G0	C0	7497	P -59 7904
37	10.3	9.4W	32 31.988	0.0037	11	-59 13 10.85	-0.007	11	0.15	31.976	14	46.6	10.83	14	46.6	K0	C0	7498	P -59 7905
38	7.9	7.7W	32 33.705	-0.0036	06	-57 46 16.68	-0.015	06	0.14	33.718	14	46.6	16.63	14	46.6	F2	C0	7499	P -58 8080
39	10.3	9.7W	32 47.524	-0.0028	15	-55 31 36.63	-0.030	15	0.24	47.555	15	38.8	36.29	18	38.8	K0	C9	9072	P -5510049
40	10.2	9.4W	32 48.462	0.0012	07	-58 23 11.72	0.003	07	0.14	48.458	14	46.6	11.73	14	46.6	G5	C0	7503	P -58 8084
41	9.0	8.3W	32 49.575	0.0061	07	-52 24 35.90	-0.036	07	0.18	49.507	15	38.8	35.49	18	38.8	G5	C9	9073	P -5212176
42	9.7	9.2W	32 59.507	-0.0090	06	-57 46 48.22	-0.113	06	0.14	59.538	14	46.6	47.83	14	46.6	G0	C0	7504	P -58 8085
43	10.3	9.8W	33 2.286	-0.0001	15	-53 30 7.29	0.001	15	0.24	2.287	15	38.8	7.30	18	38.8	K0	C9	9074	P -5310492
44	9.2	9.0W	33 6.940	0.0038	06	-52 31 50.81	-0.019	06	0.18	6.897	15	38.8	50.59	18	38.8	F5	C9	9075	P -5212177
45	10.0	9.7W	33 11.300	-0.0024	13	-53 57 48.44	-0.021	13	0.22	11.327	15	38.8	48.20	18	38.8	G0	C9	9076	P -5410321
46	10.5	10.1W	33 49.757	0.0024	11	-57 20 21.60	-0.021	11	0.15	49.749	14	46.6	21.53	14	46.6	G5	C0	7506	P -5710299
47	10.1	9.3W	34 1.715	0.0048	07	-56 58 48.35	-0.004	07	0.14	1.699	14	46.6	48.33	14	46.6	G5	C0	7507	P -5710301
48	9.4	9.6W	34 7.072	0.0012	09	-57 35 36.73	0.029	09	0.14	7.068	14	46.6	36.83	14	46.6	A2	C0	7508	P -58 8086
49	10.9E	9.7*	34 20.132	0.0021	12	-50 33 19.89	-0.003	12	0.63	20.036	31	03.7	19.74	28	03.7	K	CZ	20584	P -5011837
50	9.9	9.7W	34 30.520	0.0001	11	-56 22 26.12	0.029	11	0.15	30.519	14	46.6	26.22	14	46.6	G0	C0	7510	P -5610112
51	10.0	9.4W	23 34 30.992	-0.0011	11	-59 46 1.75	-0.005	11	0.14	30.995	14	46.8	1.73	14	46.8	G5	C0	6961	P -60 7669
52	8.5	7.5W	34 37.187	0.0057	05	-58 26 46.88	-0.014	05	0.14	37.168	14	46.6	46.83	14	46.6	K0	C0	7512	P -58 8087
53		8.1T	34 41.234	-0.0025	16	-52 0 34.81	-0.022	13	0.72	41.353	18	03.2	33.73	19	00.5	K0	GC	32826	P -5212184
54	10.3	9.6W	34 48.924	-0.0012	13	-52 13 37.13	-0.057	13	0.22	48.937	15	38.8	36.49	18	38.8	G5	C9	9085	P -5212185
55	10.5	9.1W	34 52.029	0.0038	07	-54 27 51.46	-0.014	07	0.18	51.987	15	38.8	51.30	18	38.8	K2	C9	9086	P -5410324
56	9.7	8.9W	35 2.066	0.0002	09	-59 2 44.21	-0.021	09	0.14	2.066	14	46.6	44.13	14	46.6	G5	C0	7515	P -59 7907
57	7.9	7.6W	35 12.530	0.0152	06	-58 28 1.25	0.081	06	0.14	12.478	14	46.6	1.53	14	46.6	F2	C0	7517	P -58 8089
58	10.5E	9.3*	35 19.387	-0.0009	12	-50 47 7.07	-0.013	12	0.65	19.431	31	02.7	6.45	31	02.7	K0	CZ	20594	P -5111987
59		7.7T	35 28.537	-0.0005	13	-56 43 42.05	-0.014	11	0.59	28.562	19	05.3	41.36	18	01.1	M0	GC	32844	P -5710305
60	10.0	9.1W	35 33.986	-0.0008	07	-57 6 44.46	-0.008	07	0.14	33.989	14	46.6	44.43	14	46.6	K0	C0	7519	P -5710306
61	10.6	10.3W	35 43.604	-0.0015	13	-56 12 9.64	-0.005	13	0.15	43.609	14	46.6	9.62	14	46.6	A5	C0	7520	P -5610118
62	10.3	9.6W	35 57.168	0.0069	09	-59 30 49.52	0.005	09	0.14	57.145	14	46.6	49.53	14	46.6	K0	C0	7523	P -59 7908
63	10.3	9.7W	36 39.948	-0.0026	15	-53 39 51.50	0.009	15	0.24	39.977	15	38.8	51.60	18	38.8	K0	C9	9094	P -5410330
64	10.0	9.7W	36 40.644	-0.0014	09	-57 15 53.48	-0.016	09	0.14	40.649	14	46.6	53.53	14	46.6	G0	C0	7525	P -5710310
65	10.6	10.4W	36 46.944	-0.0063	15	-53 48 8.53	-0.002	15	0.24	46.947	15	38.8	8.50	18	38.8	A5	C9	9095	P -5410331
66	10.3	10.0W	36 47.459	-0.0043	15	-52 58 38.17	-0.034	15	0.24	47.507	15	38.8	37.79	18	38.8	F5	C9	9096	P -5310504
67		8.3T	37 1.304	-0.0065	26	-51 1 53.32	0.039	26	1.16	1.595	21	05.2	55.05	21	05.2	K0	GC	32870	C -5113626
68	10.1	9.9W	37 5.643	-0.0012	14	-52 18 26.25	0.022	14	0.23	5.657	15	38.8	26.49	18	38.8	F5	C9	9098	P -5212192
69	11.0E	10.1*	37 9.398	-0.0002	12	-50 9 23.26	0.020	12	0.63	9.406	31	03.8	24.17	28	03.8		CZ	20613	P -5011841
70	10.3	9.3W	37 14.618	0.0030	07	-57 34 44.96	-0.008	07	0.14	14.608	14	46.6	44.93	14	46.6	K5	C0	7529	P -5710314
71	10.2	9.9W	37 16.827	0.0151	09	-58 39 20.22	0.005	09	0.14	16.776	14	46.6	20.23	14	46.6	G0	C0	7530	P -59 7909
72	9.6	9.2W	37 17.265	0.0077	06	-57 1 7.96	0.079	06	0.14	17.239	14	46.6	8.23	14	46.6	G0	C0	7531	P -5710315
73		7.9T	37 18.691	-0.0024	13	-51 53 37.98	0.005	12	0.65	18.804	21	01.9	38.25	19	98.2	K0	GC	32876	P -5212193
74	10.0E	9.1Z	37 37.027	0.0083	12	-51 42 46.37	-0.028	12	0.80	36.661	63	05.8	45.15	57	05.8	F8	CZ	20617	P -5212195
75		7.6T	38 8.148	-0.0062	13	-56 41 50.66	-0.047	07	0.54	8.484	21	03.7	48.12	17	96.1	A0	GC	32890	P -5710321
76	10.6	9.6W	38 16.366	-0.0000	09	-55 27 26.93	-0.012	09	0.19	16.366	15	38.8	26.79	18	38.8	K0	C9	9105	P -5510068
77	9.9	9.6W	38 19.710	0.0012	07	-59 27 30.71	-0.022	07	0.14	19.706	14	46.6	30.63	14	46.6	G0	C0	7537	P -59 7910
78	10.2	9.8W	38 43.281	-0.0041	07	-52 24 53.01	-0.010	07	0.18	43.327	15	38.8	52.89	18	38.8	F5	C9	9106	P -5212198
79	10.3	8.8W	38 52.026	-0.0019	07	-51 50 51.14	-0.031	07	0.18	52.047	15	38.8	50.79	18	38.8	MA	C9	9107	P -5212199
80	9.1E	7.8Z	38 57.662	-0.0009	12	-50 42 4.80	-0.014	12	0.60	57.705	26	04.3	4.16	24	04.3	K0	CZ	20633	P -5112008
81	10.4E	9.5Z	38 58.887	0.0016	12	-50 56 26.26	-0.032	12	0.69	58.818	45	05.8	24.84	45	05.8	G0	CZ	20634	P -5112009
82	10.3	9.0W	39 0.694	0.0035	07	-55 31 30.27	0.002	07	0.18	0.655	15	38.8	30.29	18	38.8	K2	C9	9108	P -5510070
83	10.2	8.9W	39 2.671	0.0035	09	-56 58 52.48	-0.015	09	0.14	2.659	14	46.6	52.43	14	46.6	MA	C0	7539	P -5710325
84	9.7	9.5W	39 22.205	0.0204	09	-59 14 23.26	-0.009	09	0.14	22.136	14	46.6	23.23	14	46.6	F8	C0	7540	P*-59 7912
85	9.7	8.6W	39 25.396	-0.0010	07	-53 19 49.77	-0.042	07	0.18	25.407	15	38.8	49.29	18	38.8	K0	C9	9110	P -5310509
86	10.5	9.8W	39 27.064	0.0006	09	-53 38 30.77	0.012	09	0.19	27.057	15	38.8	30.90	18	38.8		C9	9111	P -5410336
87		8.0T	39 27.671	0.0005	16	-56 39 26.72	0.006	11	0.64	27.648	19	07.0	27.01	18	01.1	K0	GC	32915	P -5710327
88		8.1T	39 30.277	0.0219	15	-53 42 2.90	0.024	12	0.68	29.251	18	03.2	4.09	19	00.0	G5	GC	32918	P -5410338
89	10.4E	9.2*	39 47.591	-0.0000	12	-50 58 35.97	0.001	12	0.65	47.593	31	02.7	36.01	31	02.7	K0	CZ	20640	P -5112012
90	9.9	9.5W	39 48.477	0.0004	07	-58 47 35.33	-0.030	07	0.14	48.476	14	46.6	35.23	14	46.6	G0	C0	7542	P -59 7913
91	8.5	8.9W	39 51.516	-0.0026	09	-57 45 19.36	-0.009	09	0.14	51.508	14	46.6	19.33	14	46.6	A0	C0	7544	P -58 8093
92		8.1T	39 53.375	-0.0035	12	-58 14 21.80	-0.021	09	0.51	53.350	18	05.4	20.77	17	00.1	A0	GC	32926	P -58 8095
93	9.9	9.6W	39 55.542	0.0038	13	-57 22 32.70	0.009	13	0.15	55.529	14	46.6	32.73	14	46.6	G0	C0	7546	P -5710329
94	10.3	9.6W	40 12.557	0.0045	07	-53 20 2.81	-0.046	07	0.18	12.507	15	38.8	2.29	18	38.8	G5	C9	9115	P -5310513
95	9.7	9.3W	40 19.555	-0.0059	07	-59 57 29.08	0.017	07	0.14	19.575	14	46.6	29.13	14	46.6	G0	C0	7548	P -60 7677
96		8.6T	40 52.095	0.0024	16	-51 37 34.53	0.029	13	0.72	51.981	18	03.5	35.96	18	00.8	A2	GC	32946	P -5212208
97	9.8	9.6W	41 6.671	0.0049	15	-55 6 22.93	-0.030	15	0.24	6.616	15	38.8	22.59	18	38.8	G0	C9	9121	P -5510075
98	10.4	10.1W	41 18.706	0.0109	09	-57 18 29.75	-0.005	09	0.14	18.669	14	46.6	29.73	14	46.6	G5 O	C0	7554	P -5710335
99	9.2	8.9W	41 24.372	0.0022	07	-54 29 5.33	-0.020	07	0.18	24.347	15	38.8	5.10	18	38.8	F8	C9	9123	P -5410343
00	9.2	9.2W	41 30.357	-0.0054	07	-54 58 4.55	-0.012	07	0.18	30.417	15	38.8	4.41	18	38.8	F2	C9	9124	P -5510078

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-50° 23H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		7.4T	23 41 38.449	0.0006	12	-54 42 47.99	0.010	11	0.55	38.422	18	07.5	48.47	18	01.0	M0	GC	32959	P -5510080
2	9.3	9.3W	41 41.470	0.0012	06	-59 23 22.89	0.013	06	0.14	41.466	14	46.6	22.93	14	46.6	A5	C0	7555	P -59 7915
3	9.9	9.0W	42 14.119	0.0541	06	-59 41 43.37	-0.071	06	0.14	13.935	14	46.6	43.13	14	46.6	K0	C0	7557	P -60 7680
4	11.1E	9.8*	42 16.109	0.0004	12	-51 14 0.90	-0.024	12	0.65	16.093	31	02.7	2.06	31	02.7		CZ	20857	P -5112015
5	9.5	9.0W	42 19.624	0.0112	07	-59 27 10.30	-0.019	07	0.14	19.586	14	46.6	10.23	14	46.6	G5	C0	7558	P -59 7916
6	10.5		42 51.763	0.0016	11	-57 33 27.92	0.002	11	0.15	51.758	14	46.6	27.93	14	46.6	F5	C0	7561	P -5710342
7	9.8	9.5W	42 52.947	-0.0063	14	-52 16 28.79	0.018	14	0.23	53.017	15	38.8	28.99	18	38.8	F0	C9	9135	P -5212211
8	7.8	7.6W	42 52.973	-0.0038	06	-58 33 22.46	-0.037	06	0.14	52.986	14	46.6	22.33	14	46.6	A3	C0	7562	P -58 8097
9	9.2	8.0W	43 2.612	-0.0014	07	-52 30 44.42	-0.020	07	0.18	2.627	15	38.8	44.19	18	38.8	K0	C9	9137	P -5212212
10	10.0	9.8W	43 12.593	0.0042	09	-56 52 50.18	0.015	09	0.14	12.579	14	46.6	50.23	14	46.6	G0	C0	7563	P -5710343
11	10.2	9.1W	43 14.007	0.0032	07	-58 38 51.63	-0.001	07	0.14	13.996	14	46.6	51.63	14	46.6	K0	C0	7564	P -59 7918
12	10.6E	9.5Z	43 29.382	0.0035	12	-50 12 59.56	0.006	12	0.63	29.219	31	03.7	59.83	28	03.7	K0	CZ	20667	P -5011852
13	10.0	9.1W	43 33.006	0.0036	07	-55 16 49.05	-0.023	07	0.18	32.966	15	38.8	48.79	18	38.8	K0	C9	9139	P -5510090
14	10.2	9.8W	43 42.366	0.0071	13	-54 29 56.98	0.011	13	0.22	42.287	15	38.8	57.10	18	38.8	G5	C9	9141	P -5410355
15		7.5T	44 11.168	0.0032	14	-56 5 15.56	0.015	11	0.67	11.002	21	02.3	16.34	19	97.8	M0	GC	33003	P -5610144
16		8.0T	44 20.407	0.0086	14	-55 41 10.95	0.006	12	0.60	20.004	18	08.9	11.23	18	02.9	F5	GC	33006	P -5610145
17	10.0	9.9W	44 23.708	-0.0017	15	-52 0 18.82	-0.029	15	0.24	23.727	15	38.8	18.49	18	38.8	F0	C9	9147	P -5212214
18		5.4T	44 37.216	0.0007	06	-50 30 14.19	-0.011	05	0.26	37.185	09	06.4	13.66	09	03.4	B5	GC	33012	C*-5014047
19	10.6	10.1W	44 41.724	0.0193	11	-57 17 59.59	-0.165	11	0.15	41.659	14	46.6	59.03	14	46.6	G0	C0	7570	P -5710349
20		7.3T	45 8.858	-0.0015	12	-52 28 57.86	0.016	11	0.64	8.936	19	99.8	58.72	17	96.5	G5	GC	33023	P -5212215
21	10.2	9.5W	45 12.700	0.0077	15	-55 33 33.35	-0.005	15	0.24	12.615	15	38.9	33.29	18	38.9	G0	C9	9155	P -5510098
22	10.1	8.9W	45 18.725	0.0049	11	-57 28 7.71	0.005	11	0.15	18.709	14	46.6	7.73	14	46.6	K2	C0	7575	P -5710351
23		6.9T	45 28.596	-0.0050	13	-51 10 6.38	-0.030	11	0.66	28.843	17	00.4	4.75	18	96.7	K0	GC	33030K	C -5113684
24	9.7E	9.0Z	45 49.649	-0.0003	12	-51 19 39.90	-0.007	12	0.80	49.665	63	05.8	39.57	57	05.8	A3	CZ	20686	P -5112032
25	10.7	9.1W	45 59.138	0.0066	08	-59 20 8.73	0.030	08	0.14	59.116	14	46.6	8.83	14	46.6	MA	C0	7578	P -59 7923
26	9.9	9.2W	46 7.367	0.0063	15	-51 46 1.96	0.102	15	0.24	7.297	15	38.9	3.09	18	38.9	K0	C9	9158	P -5212216
27		8.2T	46 19.139	-0.0024	15	-51 5 14.28	0.004	12	0.73	19.257	22	00.6	14.47	19	96.8	G5	GC	33049	C -5113687
28	9.2	8.3W	46 32.389	-0.0016	07	-51 35 45.62	-0.011	07	0.18	32.407	15	38.9	45.49	18	38.9	K0	C9	9164	P -5212217
29	10.7E	9.5Z	46 41.329	-0.0024	12	-51 6 16.68	0.019	12	0.80	41.436	63	05.8	17.51	57	05.8	G5	CZ	20696	P -5112036
30	9.8	9.3W	46 49.710	0.0057	13	-52 34 46.17	-0.025	13	0.22	49.647	15	38.9	45.89	18	38.9	F8	C9	9166	P -5212218
31	10.8E	9.8*	46 57.525	0.0020	12	-50 32 21.81	0.016	12	0.63	57.433	31	03.1	22.55	28	03.1	A3	CZ	20701	P -5011862
32	9.5	8.8W	47 6.650	0.0032	06	-56 40 9.30	-0.019	06	0.14	6.639	14	46.6	9.23	14	46.6	G5	C0	7586	P -5710360
33	10.3	9.6W	47 22.089	0.0032	09	-56 33 21.16	-0.039	09	0.14	22.079	14	46.6	21.03	14	46.6	G5	C0	7590	P -5610162
34	10.4E	9.3Z	47 36.506	0.0003	12	-51 0 3.20	-0.021	12	0.80	36.494	63	05.8	2.26	57	05.8	F8	CZ	20707	P -5112040
35	10.0	9.9W	47 37.216	-0.0009	13	-56 9 14.74	-0.034	13	0.15	37.219	14	46.6	14.62	14	46.6	F2	C0	7592	P*-5610166
36	10.4	9.4W	47 49.829	0.0020	09	-53 57 59.91	-0.037	09	0.19	49.807	15	38.9	59.50	18	38.9	K0	C9	9170	P -5410370
37		7.7T	47 56.268	0.0081	15	-51 58 55.69	-0.094	11	0.65	55.889	18	03.5	50.88	19	98.7	G5	GC	33078K	P*-5212220
38	9.3E	8.7*	48 8.112	0.0017	12	-50 53 29.78	-0.005	12	0.65	8.033	31	02.7	29.54	31	02.7	A2	CZ	20712	P -5112041
39	9.7	8.3W	48 18.993	0.0025	06	-59 31 16.94	-0.002	06	0.14	18.985	14	46.6	16.93	14	46.6	K0	C0	7598	P -59 7926
40		9.6T	48 57.269	0.0039	12	-55 30 40.24	0.002	11	0.63	57.071	21	01.1	40.34	19	98.9	F5	GC	33099	P -5510108
41	9.8	9.4W	48 58.894	-0.0021	15	-54 21 34.53	0.007	15	0.24	58.917	15	38.9	34.60	18	38.9	F8	C9	9175	P -5410375
42	10.0	9.0W	49 1.345	0.0016	07	-54 10 16.31	-0.019	07	0.18	1.327	15	38.9	16.10	18	38.9	K0	C9	9176	P -5410376
43	10.2	9.9W	49 12.252	-0.0014	13	-54 46 24.68	-0.016	13	0.22	12.267	15	38.9	24.51	18	38.9	G0	C9	9177	P -5510109
44	8.5	7.5W	49 24.189	0.0069	06	-59 28 45.30	-0.051	06	0.14	24.166	14	46.6	45.13	14	46.6	K0	C0	7602	P -59 7927
45	10.5	9.5W	49 31.409	0.0010	09	-59 5 2.14	-0.031	09	0.14	31.406	14	46.6	2.03	14	46.6	G5	C0	7603	P -59 7928
46		7.9T	49 35.268	0.0010	17	-52 36 39.25	0.002	13	0.74	35.221	22	04.8	39.34	19	00.6	K0	GC	33114	P -5310540
47	8.4	8.6W	49 49.997	-0.0035	07	-56 55 16.13	0.000	07	0.14	50.009	14	46.6	16.13	14	46.6	A0	C0	7604	P -5710372
48		7.3T	49 50.514	-0.0001	13	-58 49 42.20	0.012	11	0.58	50.520	18	06.7	42.77	18	03.3	A3	GC	33116	P -59 7930
49	10.0	9.7W	49 56.564	-0.0042	13	-57 17 12.81	0.007	13	0.15	56.579	14	46.6	12.83	14	46.6	F5	C0	7606	P -5710373
50	9.9	9.5W	49 59.868	0.0037	14	-52 7 34.37	-0.070	14	0.23	59.827	15	38.9	33.59	18	38.9	F8	C9	9180	P -5212223
51		8.8T	23 50 14.026	-0.0004	14	-57 3 7.39	0.017	11	0.61	14.047	19	05.6	8.22	18	00.8	A5	GC	33127	P -5710374
52	7.6	7.4W	50 15.483	0.0050	07	-59 7 0.59	0.013	07	0.14	15.466	14	46.6	0.63	14	46.6	A2	C0	7608	P -59 7931
53		7.6T	50 31.256	0.0053	13	-54 38 40.37	0.024	10	0.61	31.004	21	02.0	41.64	19	96.8	K0	GC	33137	P -5510112
54	10.3	10.1W	50 41.596	0.0051	09	-57 23 8.83	0.001	09	0.14	41.579	14	46.6	8.83	14	46.6	G0	C0	7610	P -5710375
55	9.3	8.1W	50 41.844	0.0053	06	-59 22 39.69	-0.018	06	0.14	41.826	14	46.6	39.63	14	46.6	K0	C0	7611	P -59 7932
56	9.5E	8.5Z	51 13.200	0.0067	12	-50 16 41.48	0.040	12	0.63	12.884	31	03.1	43.36	28	03.1	K0	CZ	20742	P -5011876
57		7.0T	51 35.372	0.0039	09	-59 49 13.77	0.008	07	0.44	35.170	17	00.8	14.18	15	97.7	A0	GC	33156	P -60 7695
58	9.4	8.4W	52 12.859	0.0011	06	-54 10 22.86	0.004	06	0.18	12.847	15	38.9	22.90	18	38.9	G5	C9	9187	P -5410386
59	9.9	9.9W	52 14.956	0.0060	09	-58 36 48.55	0.023	09	0.14	14.936	14	46.6	48.63	14	46.6	A8	C0	7616	P -59 7935
60		7.8T	52 47.712	-0.0029	14	-50 23 31.31	0.011	11	0.68	47.857	22	00.7	31.94	19	95.1	K0	GC	33177	C -5014076
61		8.6T	53 0.792	0.0170	13	-51 39 5.04	-0.077	11	0.64	-59.986	21	02.7	1.08	18	98.5	G5	GC	33182	P -5212227
62	10.2	9.4W	53 2.808	0.0010	06	-54 19 36.23	-0.020	06	0.18	2.797	15	38.9	36.00	18	38.9	G0	C9	9190	P -5410392
63		7.4T	53 7.449	0.0025	13	-54 5 49.44	-0.009	11	0.62	7.329	18	02.1	48.97	18	98.7	A5	GC	33188	P -5410393
64	10.5E	9.6*	53 17.308	-0.0032	12	-51 28 8.54	-0.016	12	0.65	17.461	31	02.7	7.81	31	02.7	F0	CZ	20760	P -5112050
65		7.2T	53 31.400	0.0028	17	-53 3 58.54	-0.019	12	0.71	31.271	22	04.7	57.58	19	99.8	G5	GC	33193	P*-5310550
66			53 52.010	-0.0030	12	-50 3 55.02	-0.004	12	0.82	52.148	63	03.7	54.82	57	03.7	M0	CZ	20768Y	P -5011883
67	9.4	9.3W	53 52.469	-0.0007	15	-52 51 6.16	-0.033	15	0.24	52.477	15	38.9	5.79	18	38.9	A5	C9	9194	P -5310552
68		8.2T	53 58.681	0.0011	16	-55 58 25.97	0.028	12	0.70	58.628	22	04.7	27.36	19	00.4	K0	GC	33202	P -5610184
69		8.1T	53 59.551	0.0004	10	-55 45 44.60	0.018	09	0.55	59.530	19	97.0	45.65	17	91.4	F0	GC	33204	P -5610185
70	9.5	9.0W	54 0.309	-0.0032	07	-56 27 19.92	-0.028	07	0.14	0.319	14	46.6	19.82	14	46.6	G0	C0	7625	P -5610186
71	10.1E	9.4H	54 0.428	-0.0091	12	-50 34 48.21	-0.122	12	0.70	0.842	45	04.7	42.68	45	04.7	G0	CZ	20770	P -5011884
72	10.0	8.9W	54 0.863	0.0027	07	-59 48 40.09	0.012	07	0.14	0.855	14	46.9	40.13	14	46.9	K2	C0	7035	P -60 7701
73	9.7	9.7W	54 5.281	0.0011	09	-57 56 4.87	-0.013	09	0.14	5.278	14	46.6	4.83	14	46.6	A3	C0	7627	P -58 8115
74		7.5T	54 7.556	0.0085	10	-57 25 36.35	-0.007	07	0.49	7.069	18	98.2	35.95	15	92.5	K0	GC	33207	P -5710383
75	10.2	10.1W	54 7.762	0.0013	09	-58 6 5.01	0.037	09	0.14	7.758	14	46.6	5.13	14	46.6	F8	C0	7629	P -58 8116
76	9.2	7.9W	54 28.158	0.0060	06	-58 24 38.41	0.006	06	0.14	28.138	14	46.6	38.43	14	46.6	K0	C0	7631	P -58 8117
77	8.3	7.9W	54 51.344	0.0201	06	-59 14 34.59	0.011	06	0.14	51.276	14	46.6	34.63	14	46.6	F5	C0	7634	P -59 7945
78	9.6	9.4W	54 59.037	0.0004	07	-59 6 14.53	0.001	07	0.14	59.036	14	46.6	14.53	14	46.6	A5	C0	7635	P -59 7946
79	9.6	9.5W	55 4.336	0.0008	07	-52 28 28.43	0.015	07	0.18	4.327	15	38.9	28.59	18	38.9	A2	C9	9197	P -5212233
80		10.0T	55 4.386	0.0016	13	-55 29 27.12	-0.012	12	0.67	4.305	24	01.7	26.51	22	99.0	K7	GC	33227	P -5510121
81	10.2E	10.0Z	55 13.643	-0.0021	12	-50 36 9.90	0.014	12	0.70	13.740	45	04.7	10.52	45	04.7	F0	CZ	20785	P -5112055
82		7.7T	55 37.047	0.0183	13	-57 28 31.36	0.020	11	0.60	36.120	19	03.7	32.37	18	99.3	F8	GC	33239	P -5710386
83		8.2T	55 40.750	0.0103	14	-50 24 32.68	-0.031	11	0.66	40.250	19	01.3	31.06	18	97.0	F2	GC	33240	C -5014090
84	10.2E	8.8Z	55 49.859	0.0075	12	-51 11 12.79	-0.015	12	0.64	49.506	31	02.8	12.07	31	02.8	G5	CZ	20789	P -5112056
85		6.7T	55 55.974	0.0045	11	-57 33 32.36	-0.003	08	0.42	55.780	15	09.8	32.24	14	06.9	G0	GC	33246	P -5710389
86	9.6	9.5W	56 13.906	-0.0009	06	-57 16 39.45	-0.004	06	0.14	13.909	14	46.6	39.43	14	46.6	F2	C0	7643	P -5710391
87		5.1H	56 20.774	0.0059	03	-53 1 30.51	0.066	03	0.12	20.588	06	18.6	32.79	06	15.2	K0	F4	901	P -5310561
88	9.1	7.7W	56 27.699	0.0046	09	-59 48 26.69	-0.083	09	0.14	27.685	14	46.9	26.43	14	46.9	K0	C0	7047	P -60 7707
89	10.4	8.9W	56 28.331	0.0031	09	-54 55 29.68	-0.024	09	0.19	28.297	15	38.9	29.41	18	38.9	K2	C9	9202	P -5510126
90		7.4I	56 29.695	-0.0012	15	-56 51 13.23	0.005	12	0.63	29.752	19	07.0	13.46	18	03.2	M3E	GC	33258V	P*-5710393
91	8.1	7.8W	56 57.249	0.0074	07	-53 7 18.99	-0.008	07	0.18	57.167	15	38.9	18.89	18	38.9	F0	C9	9205	P -5310564
92	9.7E	9.0Z	57 4.268	-0.0055	12	-50 6 38.56	-0.021	12	0.63	4.524	31	03.1	37.57	28	03.1	G0	CZ	20798	P -5011891
93	9.6	9.6W	57 7.555	-0.0038	13	-51 53 57.95	0.004	13	0.22	7.597	15	38.9	57.99	18	38.9	A5	C9	9206	P -5212236
94		7.4T	57 11.538	-0.0009	15	-51 16 36.76	-0.028	11	0.67	11.581	17	01.4	35.24	18	96.5	K0	GC	33275	C -5113735
95		8.1T	57 27.366	0.0043	17	-52 10 19.99	-0.004	12	0.71	27.172	21	05.3	19.80	19	00.0	F0	GC	33281	P -5212237
96		8.5T	57 34.112	0.0003	13	-51 8 46.50	0.028	10	0.64	34.097	22	01.3	48.03	19	94.3	F5	GC	33285	C -5113738
97		6.5T	57 59.886	0.0047	14	-53 22 32.65	-0.009	11	0.65	59.668	21	03.9	32.19	19	99.8	G0	GC	33296K	P*-5310565
98	9.7	9.1W	58 0.874	-0.0012	07	-52 54 55.67	-0.016	07	0.18	0.887	15	38.9	55.49	18	38.9	G5	C9	9210	P -5310566
99		7.3T	58 19.251	-0.0016	12	-50 43 28.13	0.033	10	0.62	19.333	21	97.9	29.98	19	93.2	K2	GC	33300	C -5113741
00		10.5Q	58 25.123	0.0041	16	-55 33 45.86	0.017	14	0.97	24.869	34	91.9	46.93	31	87.5	G0	GC	33302	P -5510137

248100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_{μ} ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.4	9.3W	23 58 33.572	-0.0005	15	-52 45 44.32	-0.047	15	0.24	33.577	15	38.9	43.79	18	38.9	K0	C9	9212	P -5310569
2	10.2	10.0W	58 39.817	-0.0072	15	-53 4 37.49	0.027	15	0.24	39.897	15	38.9	37.79	18	38.9	F5	C9	9213	P -5310570
3		5.4T	58 46.265	0.0003	09	-50 36 57.39	0.019	07	0.35	46.253	12	10.9	58.21	12	05.6	M0	GC	33312	C*-5113743
4	9.4	8.8W	59 32.014	-0.0043	07	-56 47 35.46	-0.039	07	0.14	32.029	14	46.6	35.33	14	46.6	G5	C0	7655	P -5710405
5	10.4	9.9W	59 56.203	0.0013	09	-57 10 53.62	0.034	09	0.14	56.199	14	46.6	33.73	14	46.6	G0	C0	7656	P -5710407
6	10.8	9.7W	59 58.730	0.0008	07	-57 56 43.47	-0.012	07	0.14	58.728	14	46.6	43.43	14	46.6	K2	C0	7657	P -58 8125

-50°
23H

248100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 0H DM NUMBER
7		7.9T	0 0 28.026	0.0007	13	-60 58 13.14	0.001	12	0.58	27.994	19	05.7	13.18	18	05.5	K0	GC	9	P -61 6792
8		9.0	0 57.865	-0.0021	25	-66 6 25.25	-0.019	36	1.66	57.970	53	99.2	24.28	53	99.1		M4	5153	P -66 3822
9	8.8	8.5W	1 11.921	0.0001	07	-63 52 44.48	0.006	07	0.14	11.920	14	46.9	44.50	14	46.9	F5	CO	4	P -64 4396
10	10.1	10.0W	1 35.020	0.0043	08	-60 20 0.83	0.001	08	0.14	35.007	14	46.9	0.83	14	46.9	F5	CO	6	P -60 7713
11	9.3	8.6W	2 31.129	0.0006	07	-60 6 23.05	-0.007	07	0.14	31.127	14	46.9	23.03	14	46.9	G5	CO	8	P -60 7716
12	8.5	8.1W	2 37.857	0.0113	06	-63 7 26.14	0.023	06	0.14	37.822	14	46.9	26.21	14	46.9	G0	CO	9	P -63 4949
13	9.9	8.7W	2 48.883	0.0085	05	-60 5 33.98	-0.016	05	0.14	48.857	14	46.9	33.93	14	46.9	K0	CO	10	P -60 7717
14		6.9T	2 55.938	0.0026	12	-68 14 18.56	-0.006	12	0.62	55.813	21	01.7	18.24	21	00.3	K0	GC	68	P -68 3598
15	9.3	8.9W	2 56.397	0.0142	06	-61 30 11.70	-0.091	06	0.14	56.354	14	46.9	11.42	14	46.9	G0	CO	11	P -61 6795
16		7.6T	3 4.326	0.0021	11	-61 35 19.08	0.004	09	0.54	4.218	19	99.2	19.30	17	95.9	G5	GC	74	P -62 6468
17		8.0	3 44.731	-0.0123	25	-64 31 10.15	-0.015	36	1.80	45.409	53	94.9	9.33	63	94.9		M4	2	P -64 4404
18	9.4	9.5W	4 41.645	0.0058	07	-60 20 55.96	-0.009	07	0.14	41.627	14	46.9	55.93	14	46.9	A2	CO	16	P -60 1
19	8.7	8.4W	5 4.040	0.0080	06	-60 55 10.48	-0.046	06	0.14	4.015	14	46.9	10.34	14	46.9	G5	CO	17	P*-61 1
20		7.5T	5 6.380	0.0025	12	-62 35 36.19	-0.010	10	0.57	6.262	21	03.3	35.70	18	01.0	M0	GC	113	P -63 5
21		9.1	5 7.056	-0.0021	25	-65 51 48.55	0.023	36	1.68	7.162	53	98.9	49.72	63	98.9		M4	7	P -66 1
22		8.8	5 9.701	0.0019	25	-67 10 25.35	-0.001	36	1.40	9.622	53	08.8	25.30	63	08.8		M4	8	P -67 1
23		6.9T	5 11.064	0.0024	10	-66 12 36.38	-0.067	10	0.59	10.935	18	96.5	32.55	18	92.8	G5	GC	115	P -66 2
24		8.7	6 17.966	-0.0041	25	-67 2 18.52	-0.033	36	1.52	18.151	53	04.5	17.00	63	04.5		M4	15	P -67 4
25	11.0	9.7W	6 20.028	0.0034	07	-60 24 55.71	-0.024	07	0.14	20.017	14	46.9	55.63	14	46.9	K5	CO	20	P -60 3
26	9.7	9.8W	6 20.069	0.0014	07	-60 32 33.51	-0.024	07	0.14	20.065	14	46.9	33.44	14	46.9	F8	CO	21	P -60 4
27		8.5	7 6.008	0.0030	25	-66 18 27.98	-0.036	36	1.54	5.871	53	03.8	26.29	63	03.8		M4	17	P -66 5
28	10.0	9.1W	7 8.206	0.0046	07	-62 37 0.42	-0.035	07	0.14	8.192	14	46.9	0.31	14	46.9	G8	CO	23	P -63 8
29	8.9	7.3W	7 12.495	0.0046	07	-63 52 2.42	-0.039	07	0.14	12.480	14	46.9	2.30	14	46.9	MA	CO	24	P -64 3
30		6.6T	7 23.112	0.0039	09	-62 34 30.38	0.038	08	0.45	22.927	18	03.0	32.45	17	95.6	A2	GC	162	P -62 9
31		8.4	7 29.669	0.0059	25	-65 38 7.92	-0.022	36	1.61	29.383	53	01.5	6.85	63	01.5		M4	18	P -66 6
32	8.4	8.2W	7 34.334	-0.0084	07	-63 34 27.93	-0.044	07	0.14	34.360	14	46.9	27.79	14	46.9	F0	CO	27	P -63 10
33	9.1	8.8W	8 9.294	0.0107	07	-63 54 44.31	-0.004	07	0.14	9.260	14	46.9	44.29	14	46.9	F8	CO	28	P -64 5
34	10.9	9.6W	8 30.056	0.0006	09	-62 1 28.73	-0.004	09	0.14	30.054	14	46.9	28.72	14	46.9	K3	CO	31	P -62 12
35	9.2	9.2W	9 57.443	0.0064	07	-61 53 0.92	-0.033	07	0.14	57.423	14	46.9	0.82	14	46.9	F0	CO	33	P -62 13
36	9.2	8.5W	10 12.097	0.0044	05	-61 35 27.58	0.012	05	0.14	12.083	14	46.9	27.62	14	46.9	G5	CO	35	P -62 14
37		8.4T	11 0.401	0.0080	12	-60 10 59.71	-0.002	12	0.59	0.055	19	06.6	59.61	21	01.8	G5	GC	245	P -60 12
38	9.9	9.8W	11 8.687	0.0063	07	-60 17 40.26	-0.041	07	0.14	8.667	14	46.9	40.13	14	46.9	F7	CO	39	P -60 13
39		6.6T	11 54.454	0.0010	13	-63 2 59.89	0.019	11	0.56	54.415	18	08.8	+ 0.77	18	03.8	M0	GC	266	P -63 19
40		8.5	11 54.619	0.0030	25	-69 11 51.41	-0.045	36	1.43	54.491	53	07.9	49.52	63	07.9		M4	35	P -69 2
41		8.8	12 40.379	0.0030	33	-68 48 30.28	0.080	43	2.29	40.206	75	92.8	34.86	57	92.8		M3	22	
42		8.7	12 48.839	0.0020	25	-69 7 38.08	-0.037	36	1.51	48.747	53	04.9	36.42	63	04.9		M4	36	P -69 4
43		9.2	13 23.576	-0.0121	25	-67 12 10.95	-0.067	36	1.57	24.144	53	02.9	7.78	63	02.9		M4	38	P -67 13
44	10.2	9.9W	13 23.582	0.0060	09	-61 49 0.39	0.043	09	0.14	23.563	14	46.9	0.52	14	46.9	F5	CO	42	P -62 18
45	9.9	9.8W	13 31.343	0.0030	10	-62 4 36.59	0.009	10	0.14	31.334	14	46.9	36.62	14	46.9	F8	CO	44	P -62 19
46		8.5T	13 39.094	-0.0004	12	-68 10 37.89	-0.022	11	0.62	39.114	19	99.3	36.67	18	96.0	A2	GC	308K	P -68 4
47	9.9	8.5W	13 45.711	0.0029	09	-63 26 23.40	0.001	09	0.14	45.702	14	46.9	23.41	14	46.9	K2	CO	47	P -63 23
48	10.7	9.9W	13 59.048	-0.0013	09	-63 25 34.19	-0.026	09	0.14	59.052	14	46.9	34.11	14	46.9	G5	CO	49	P -63 25
49		7.7T	14 7.480	0.0057	13	-66 58 4.85	0.041	13	0.67	7.209	21	02.5	6.84	21	00.9	K0	GC	323	P -67 15
50		9.0	14 29.474	-0.0050	33	-64 59 30.10	0.036	43	2.26	29.753	75	93.8	32.09	57	93.8		M3	26	
51	8.7	8.6W	0 14 46.878	-0.0018	06	-61 32 9.55	-0.012	06	0.14	46.884	14	46.9	9.52	14	46.9	F2	CO	51	P -61 10
52		8.1T	15 0.916	0.0126	11	-66 50 41.11	0.004	11	0.61	0.269	21	98.7	41.31	19	98.1	F5	GC	344	P -67 16
53		8.9	15 4.835	0.0009	25	-65 56 22.82	-0.048	36	1.54	4.793	53	03.8	20.61	63	03.8		M4	49	P -66 15
54		7.7T	15 15.477	0.0123	13	-61 4 36.27	-0.006	11	0.58	14.930	19	05.7	36.00	18	04.7	A5	GC	350	P -61 11
55		7.7T	15 24.165	0.0115	14	-66 38 11.83	-0.001	13	0.71	23.614	22	02.1	11.77	21	99.7	G0	GC	353	P -67 17
56		9.0	15 24.752	0.0020	25	-67 25 28.92	-0.026	36	1.48	24.660	45	04.9	27.76	53	04.9		M4	51	P -67 18
57		8.5	15 41.776	-0.0069	25	-69 20 20.03	0.024	36	1.47	42.077	53	06.6	21.07	63	06.6		M4	52	P -69 5
58		8.7	15 46.988	0.0039	25	-65 20 27.74	0.022	36	1.63	46.795	53	00.9	28.80	63	00.9		M4	54	P -65 9
59	7.8	7.5W	16 1.782	0.0136	05	-63 45 15.67	-0.055	05	0.14	1.740	14	46.9	15.50	14	46.9	F8	CO	56	P -64 17
60	9.7	9.7W	16 9.368	0.0016	07	-61 38 38.58	-0.052	07	0.14	9.363	14	46.9	38.42	14	46.9	G0	CO	57	P -62 22
61		8.2T	16 19.844	0.0022	12	-61 6 30.20	-0.009	11	0.60	19.739	19	03.4	29.77	19	01.7	K2	GC	384	P -61 12
62	8.3	8.1W	17 24.059	0.0206	06	-61 11 23.09	0.014	06	0.14	23.995	14	46.9	23.14	14	46.9	F8	CO	62	P -61 13
63		4.3H	17 28.772	0.2714	03	-65 10 6.72	1.167	02	0.11	18.585	06	12.5	50.35	05	12.6	F8	F4	10	P -65 13
64	10.8	10.1W	17 42.526	0.0073	09	-61 52 37.66	0.018	09	0.14	42.504	14	46.9	37.72	14	46.9	G3	CO	63	P -62 24
65	9.3	8.5W	18 5.171	-0.0009	06	-61 58 42.81	0.003	06	0.14	5.174	14	46.9	42.82	14	46.9	K0	CO	64	P -62 25
66	9.5	9.5W	18 14.804	0.0065	07	-61 38 26.78	-0.019	07	0.14	14.784	14	46.9	26.72	14	46.9	F8	CO	65	P -62 26
67		5.4T	18 20.648	-0.0017	06	-69 54 8.81	0.000	06	0.27	20.721	10	07.1	8.81	12	04.5	B9	GC	420	P*-70 12
68		8.7	18 33.854	-0.0021	25	-65 23 26.68	-0.038	36	1.80	33.968	53	94.9	24.57	63	94.9		M4	60	P -65 16
69		8.1	19 9.553	0.0059	25	-66 1 46.69	-0.021	36	1.73	9.235	45	96.4	45.57	53	96.4		M4	64	P -66 21
70		7.3T	19 13.047	0.0048	12	-66 34 54.27	-0.018	12	0.65	12.802	15	99.0	53.31	15	96.9	B9	GC	436	P -66 22
71	8.9	7.9W	19 47.255	0.0070	04	-61 34 29.39	0.009	04	0.14	47.234	14	46.9	29.42	14	46.9	K0	CO	72	P -61 19
72		7.7	20 1.589	0.0090	25	-67 54 11.90	0.041	36	1.80	1.093	53	94.9	14.13	63	94.9		M4	69	P -68 9
73	9.4	9.3W	20 10.558	-0.0042	07	-63 57 15.51	-0.005	07	0.14	10.570	14	46.9	15.50	14	46.9	F8	CO	75	P -64 23
74		7.4T	20 11.188	0.0100	08	-61 18 44.22	0.013	07	0.40	10.722	15	03.2	44.91	15	97.0	A0	GC	449	P -61 21
75		9.0	20 35.625	0.0020	25	-68 56 30.67	-0.093	36	1.74	35.518	53	96.9	25.74	63	96.9		M4	71	P -69 10
76	10.2	10.3W	20 38.484	0.0060	09	-60 33 40.17	-0.012	09	0.14	38.465	14	46.9	40.14	14	46.9	A5	CO	78	P -60 28
77		7.8	20 45.728	-0.0141	25	-65 23 51.70	-0.064	36	1.80	46.502	53	94.9	48.15	63	94.9		M4	73	P -65 20
78		7.6T	21 20.072	0.0314	13	-62 42 11.80	0.091	11	0.59	18.673	21	05.5	16.05	19	03.3	G5	GC	471	P -63 35
79	8.4	8.3W	22 36.658	0.0174	05	-62 28 59.13	-0.004	05	0.14	36.604	14	46.9	59.12	14	46.9	F8	CO	81	P -62 31
80		7.9T	22 38.085	-0.0122	13	-64 13 36.38	-0.042	12	0.62	38.657	19	03.0	34.38	19	02.8	F8	GC	493	P -64 27
81		8.8	22 52.885	-0.0041	25	-65 6 56.87	-0.023	36	1.68	53.093	53	98.9	55.67	63	98.9		M4	78	P -65 24
82	9.7	9.6W	23 3.118	0.0047	06	-62 23 26.18	0.013	06	0.14	3.104	14	46.9	26.22	14	46.9	G0	CO	83	P -62 32
83	10.0	8.9W	23 45.521	0.0056	06	-61 48 54.35	-0.009	06	0.14	45.504	14	46.9	54.32	14	46.9	K2	CO	85	P -62 33
84	10.7	9.7W	23 49.322	0.0024	09	-60 31 3.45	-0.004	09	0.14	49.315	14	46.9	3.43	14	46.9	K0	CO	86	P -60 30
85	10.1	9.4W	23 53.842	-0.0081	07	-60 3 49.09	-0.051	07	0.14	53.867	14	46.9	48.93	14	46.9	K0	CO	87	P -60 31
86		7.1T	24 27.580	0.0107	13	-69 35 0.61	-0.019	11	0.67	27.044	21	99.8	-59.58	19	95.2	K0	GC	528	P -70 15
87	9.8	8.9W	24 28.456	-0.0002	06	-60 9 16.11	0.008	06	0.14	28.457	14	46.9	16.13	14	46.9	G5	CO	89	P -60 33
88		8.0	24 32.530	0.0230	25	-67 59 54.08	0.002	36	1.44	31.547	53	07.2	54.14	63	07.2		M4	81	P -68 13
89	10.3	10.1W	25 6.552	0.0017	07	-60 27 14.48	0.017	07	0.14	6.547	14	46.9	14.53	14	46.9	G0	CO	93	P -60 34
90	10.3	9.5W	25 12.196	0.0029	07	-60 20 13.61	-0.024	07	0.14	12.187	14	46.9	13.53	14	46.9	K0	CO	94	P -60 35
91		9.0T	25 18.785	0.0061	16	-60 33 24.33	0.003	13	0.74	18.497	24	03.0	24.48	22	00.8	K0	GC	540	P -60 36
92		9.0	25 46.548	-0.0020	25	-66 27 32.94	-0.007	36	1.68	46.652	53	98.9	32.55	63	98.9		M4	85	P -66 29
93		8.2	25 58.407	-0.0051	25	-66 11 22.28	-0.083	36	1.40	58.623	45	07.4	18.74	53	07.4		M4	88	P -66 31
94		7.5	26 2.869	0.0219	25	-65 0 17.19	0.053	36	1.80	1.660	53	94.9	20.09	63	94.9		M4	89	P -65 35
95	10.1	9.2W	26 30.119	0.0075	06	-61 3 3.94	-0.002	06	0.14	30.095	14	46.9	3.94	14	46.9	G5	CO	97	P -61 25
96		8.8	26 58.921	0.0149	25	-65 31 59.41	-0.012	36	1.80	58.100	53	94.9	58.74	63	94.9		M4	91	P -65 39
97	10.1	9.9W	27 23.240	0.0022	12	-61 45 39.81	0.002	12	0.15	23.233	14	46.9	39.82	14	46.9	G0	CO	98	P -62 38
98		8.1T	27 39.936	0.0026	12	-60 4 14.62	0.012	10	0.56	39.818	18	03.8	15.21	17	00.7	G5	GC	589	P -60 38
99		9.4	28 8.681	-0.0091	25	-67 12 37.36	-0.041	36	1.76	9.168	53	96.2	35.14	63	96.2		M4	94	P -67 32
00		9.0	28 54.323	-0.0119	25	-69 18 41.93	0.137	36	1.75	54.969	45	95.9	49.35	53	95.9		M4	95	P -69 12

248200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 0H DM NUMBER
1		4.5T	D 29 15.752	0.0140	04	-63 14 0.38	-0.050	03	0.17	15.184	07	09.3	-58.05	07	03.3	B9	GC	625K	P*-63 50
2		4.5T	29 16.518	0.0156	05	-63 14 27.50	-0.052	05	0.32	15.635	14	93.2	24.45	12	91.2	A2	GC	626K	P*-63 50
3	9.7	9.6W	29 17.341	-0.0039	12	-61 37 19.49	-0.024	12	0.15	17.353	14	46.9	19.42	14	46.9	F5	CO	106	P -62 43
4	9.9	9.6W	29 33.761	0.0017	09	-61 13 13.99	-0.018	09	0.14	33.755	14	46.9	13.94	14	46.9	F8	CO	107	P*-61 26
5	11.1	9.5W	29 55.635	0.0754	07	-63 21 56.93	-0.105	07	0.14	55.402	14	46.9	56.61	14	46.9	M0	CO	108	P -63 51
6	9.5	9.6W	29 57.062	-0.0010	07	-61 7 20.25	-0.003	07	0.14	57.065	14	46.9	20.24	14	46.9	B9	CO	109	P -61 27
7	10.0	9.2W	30 10.519	-0.0020	09	-60 56 54.81	-0.028	09	0.14	10.525	14	46.9	54.73	14	46.9	K0	CO	110	P -61 28
8		5.2T	30 27.662	0.0127	04	-63 18 23.45	-0.034	04	0.21	27.115	09	07.1	21.85	09	03.4	A2	GC	651K	P -63 52
9		8.2	30 42.713	0.0073	25	-68 26 15.30	0.045	36	1.63	42.356	53	00.9	17.51	63	00.9		M4	99	P -68 16
10	9.9	8.3W	31 9.753	0.0009	07	-63 57 8.77	0.004	07	0.14	9.750	14	46.9	8.78	14	46.9	K2	CO	113	P -64 49
11		9.4	31 14.072	-0.0169	25	-67 2 25.50	0.001	36	1.80	15.003	53	94.9	25.54	63	94.9		M4	100	P -67 36
12		8.0T	31 15.875	0.0049	11	-61 25 22.43	0.015	10	0.50	15.656	18	05.4	23.11	17	03.6	A0	GC	666K	P -61 29
13		8.5T	31 32.665	0.0036	13	-67 41 5.36	0.024	13	0.67	32.493	21	03.1	6.54	21	00.8	K0	GC	672	P -68 18
14	9.0	9.5W	32 7.775	-0.0022	06	-63 20 13.52	-0.009	06	0.14	7.782	14	46.9	13.49	14	46.9	B5	CO	117	P -63 56
15	9.3	8.7W	32 42.341	0.1360	07	-63 57 46.99	-0.521	07	0.14	41.925	14	46.9	45.38	14	46.9	G5	CO	119	P -64 51
16		8.7	32 45.220	0.0091	33	-68 52 20.60	0.032	43	2.29	44.701	75	92.9	22.45	57	92.9		M3	59	
17		9.3	32 52.478	-0.0010	25	-67 4 29.21	0.012	36	1.76	52.531	53	96.2	29.86	63	96.2		M4	106	P -67 41
18	10.5	9.2W	32 55.719	0.0050	09	-62 21 24.47	-0.021	09	0.14	55.704	14	46.9	24.40	14	46.9	K5	CO	120	P -62 49
19	10.2	9.5W	32 58.156	-0.0066	07	-60 5 26.28	-0.084	07	0.14	58.177	14	46.9	26.02	14	46.9	G5	CO	121	P -60 41
20		8.7	33 11.799	-0.0059	25	-68 36 59.58	0.044	36	1.77	12.120	53	95.9	+ 1.94	63	95.9		M4	108	P -69 16
21		8.9T	33 30.367	0.0017	12	-61 36 38.49	0.017	11	0.53	30.294	19	06.8	39.24	18	04.9	F8	GC	714	P -62 51
22		9.1	34 3.122	0.0091	25	-67 28 24.62	0.005	36	1.66	2.664	53	99.9	24.86	63	99.9		M4	110	P -67 43
23		9.2T	34 15.119	0.0026	16	-61 19 19.91	0.038	12	0.63	15.010	19	08.6	21.59	18	05.2	G5	GC	731	P -61 30
24	9.8	9.6W	34 16.746	0.0062	06	-60 9 26.62	-0.001	06	0.14	16.727	14	46.9	26.62	14	46.9	F5	CO	128	P -60 43
25		6.4T	34 25.858	0.0055	10	-65 23 58.63	-0.016	08	0.50	25.595	18	02.3	57.78	18	97.2	K0	GC	733	P -65 58
26		8.1T	34 29.750	0.0022	12	-69 42 28.60	0.012	12	0.65	29.640	18	99.3	29.27	18	96.4	A2	GC	736	P -70 29
27		8.4	35 47.259	0.0071	25	-68 13 19.58	-0.036	36	1.65	46.906	53	00.2	17.79	63	00.2		M4	117	P -68 22
28		7.2T	35 57.883	0.0186	12	-66 19 6.67	0.043	12	0.65	56.931	21	98.8	8.93	21	97.9	G0	GC	763	P -66 43
29	9.8	9.5W	36 1.880	-0.0006	07	-62 45 21.86	-0.022	07	0.14	1.882	14	46.9	21.79	14	46.9	F5	CO	131	P -63 64
30	10.6	9.5W	36 54.202	0.0032	09	-63 5 23.15	0.013	09	0.14	54.192	14	46.9	23.19	14	46.9	K0	CO	132	P -63 66
31		9.1	37 28.900	0.0031	25	-69 59 57.87	-0.010	36	1.66	28.745	53	99.9	57.39	63	99.9		M4	123	P -70 31
32	9.3	9.0W	37 58.567	0.0103	07	-61 21 9.31	0.004	07	0.14	58.535	14	46.9	9.32	14	46.9	F8	CO	134	P -61 32
33		8.4T	38 41.744	0.0052	13	-68 27 39.75	-0.008	12	0.65	41.495	21	02.0	39.33	19	98.6	A3	GC	820	P -68 25
34		9.1	39 6.761	0.0010	25	-66 47 18.56	-0.031	36	1.56	6.714	53	03.2	17.11	63	03.2		M4	129	P -67 48
35	9.7	8.9W	39 15.355	0.0006	09	-61 47 25.03	-0.008	09	0.14	15.354	14	46.9	25.00	14	46.9	G0	CO	135	P -62 55
36	10.0	8.5W	39 54.984	0.0034	09	-61 38 19.36	0.015	09	0.14	54.974	14	46.9	19.40	14	46.9	K2	CO	137	P -62 56
37		5.5T	40 20.682	0.0094	06	-65 44 33.04	0.048	05	0.26	20.293	09	08.4	35.24	10	04.4	F5	GC	851	P*-66 47
38		5.8T	40 27.578	0.0350	11	-65 32 9.04	-0.040	08	0.52	25.905	19	02.2	6.76	18	93.5	K2	GC	853	P -60 48
39		7.1T	40 34.044	0.0055	12	-65 52 56.98	-0.012	11	0.65	33.769	22	99.8	56.34	21	95.8	A3	GC	855K	P -66 50
40		7.9	41 8.485	-0.0150	25	-65 5 36.32	-0.034	36	1.80	9.311	53	94.9	34.45	63	94.9		M4	135	P -65 73
41	9.6	9.3W	41 26.297	-0.0025	07	-60 57 32.40	-0.023	07	0.14	26.305	14	46.9	32.32	14	46.9	F8	CO	142	P -61 34
42	9.9	9.7W	41 55.653	-0.0011	07	-60 16 48.32	-0.032	07	0.14	55.657	14	46.9	48.22	14	46.9	F2	CO	143	P -60 49
43		6.2T	42 21.818	0.0214	15	-62 46 16.86	-0.000	12	0.67	20.818	18	03.3	16.84	18	03.0	F5	GC	893K	P*-63 72
44		6.7T	42 32.257	0.0247	14	-65 54 46.07	-0.744	12	0.67	31.065	18	01.7	7.84	17	98.6	G5	GC	897	P -66 53
45		6.9T	42 46.083	0.0024	11	-63 28 9.15	-0.016	11	0.52	45.981	18	08.0	8.31	18	03.8	K2	GC	904	P -63 73
46		8.9	43 45.199	0.0050	25	-65 26 21.79	-0.024	36	1.66	44.948	53	99.9	20.59	63	99.9		M4	142	P -65 81
47	9.7	9.4W	43 52.553	-0.0057	09	-63 33 30.26	0.041	09	0.14	52.570	14	46.9	30.39	14	46.9	F8	CO	152	P -63 74
48	7.8	7.9W	44 8.134	0.0103	06	-62 56 54.33	0.020	06	0.14	8.102	14	46.9	54.40	14	46.9	F0	CO	153	P -63 75
49	10.4	9.5W	44 19.701	0.0001	09	-63 40 50.93	-0.015	09	0.14	19.700	14	46.9	50.89	14	46.9	G8	CO	154	P -64 75
50	9.4	8.5W	44 20.548	0.0111	07	-62 20 57.35	0.017	07	0.14	20.514	14	46.9	57.40	14	46.9	G5	CO	155	P -62 63
51		9.0	D 44 32.123	0.0001	25	-69 7 50.20	-0.002	36	1.52	32.118	53	04.6	50.13	63	04.6		M4	144	P -69 25
52	9.1	8.0W	44 45.801	0.0027	06	-62 59 57.18	0.004	06	0.14	45.792	14	46.9	57.19	14	46.9	K0	CO	156	P -63 76
53		8.6	45 35.257	0.0021	25	-67 59 2.70	-0.020	36	1.77	35.145	53	95.9	1.61	63	95.9		M4	150	P -68 28
54		9.2	46 26.478	-0.0040	25	-65 22 6.25	0.011	36	1.80	26.698	53	94.9	6.86	63	94.9		M4	151	P -65 85
55	9.5	9.6W	46 35.286	0.0006	10	-62 0 3.34	-0.043	10	0.14	35.284	14	46.9	3.20	14	46.9	A3	CO	161	P -62 66
56		8.8	46 36.991	-0.0040	25	-65 50 29.45	0.001	36	1.54	37.180	45	02.9	29.51	53	02.9		M4	152	P -66 57
57		8.1T	46 43.371	0.0005	12	-60 38 33.51	0.025	11	0.55	43.349	18	06.8	34.62	18	04.8	A3	GC	979	P -61 37
58		9.2T	46 56.333	0.0095	12	-61 19 16.89	0.045	11	0.59	55.896	19	04.1	19.02	19	02.3	A5	M4	985	P -61 38
59		9.2	47 0.229	-0.0089	25	-68 17 37.16	-0.021	36	1.64	0.568	53	00.6	36.14	63	00.6		M4	154	P -68 30
60		7.8	47 10.310	-0.0018	25	-69 23 56.63	-0.036	36	1.47	10.393	45	05.2	55.03	53	05.2		M4	156	P -69 26
61		8.7	47 24.718	0.0160	25	-65 16 38.58	-0.057	36	1.38	24.069	53	09.5	36.28	63	09.5		M4	158	P -65 86
62	10.3	9.5W	47 32.460	0.0013	09	-61 25 14.55	-0.007	09	0.14	32.455	14	46.9	14.53	14	46.9	K0	CO	166	P -61 39
63	9.5	9.3W	47 27.572	0.0053	07	-60 45 44.74	-0.005	07	0.14	27.555	14	46.9	44.72	14	46.9	A0	CO	168	P -61 40
64	9.6	9.5W	48 28.631	0.0051	07	-60 38 1.94	0.028	07	0.14	28.615	14	46.9	2.03	14	46.9	F2	CO	169	P -61 41
65	9.7	9.2W	48 51.003	0.0156	07	-60 47 26.67	0.049	07	0.14	50.955	14	46.9	26.83	14	46.9	G0	CO	170	P -61 42
66	10.5	9.4W	49 18.980	0.0015	07	-60 42 50.75	-0.007	07	0.14	18.975	14	46.9	50.72	14	46.9	K2	CO	172	P -61 43
67	9.3	9.0W	49 24.886	0.0018	07	-63 58 7.77	-0.059	07	0.14	24.880	14	46.9	7.58	14	46.9	F5	CO	173	P -64 83
68	10.3	8.9W	50 25.711	0.0023	07	-61 50 4.64	0.021	07	0.14	25.704	14	46.9	4.70	14	46.9	K0	CO	174	P -62 70
69		6.6T	50 30.741	0.0001	08	-69 46 28.74	-0.083	10	0.57	30.736	18	90.2	23.98	18	92.3	F8	GC	1056K	P -70 37
70		7.0T	50 32.028	0.0085	09	-64 0 48.20	0.038	09	0.47	31.637	17	04.1	50.20	17	00.0	F5	GC	1057	P -64 84
71		8.0T	50 34.775	0.0016	11	-69 46 23.56	-0.050	11	0.63	34.692	22	97.6	20.85	19	95.3	F8	GC	1059	P -70 38
72		8.4D	50 53.745	0.0065	11	-61 20 54.21	0.014	10	0.53	53.444	19	03.9	54.87	17	01.4	G0	GC	1069K	P*-61 44
73		9.0D	50 54.549	0.0066	13	-61 20 53.18	0.010	12	0.68	54.223	22	00.7	53.70	19	98.1		GC	1070K	P -61 44
74		9.0	50 56.300	0.0070	25	-67 10 24.40	-0.027	36	1.77	55.920	53	95.9	22.94	63	95.9		M4	166	P -67 57
75	9.3	9.3W	51 11.246	0.0044	07	-63 12 6.18	0.038	07	0.14	11.232	14	46.9	6.29	14	46.9	F0	CO	180	P -63 81
76		5.6T	51 33.387	0.0101	06	-63 8 33.47	0.002	05	0.27	32.962	12	08.0	33.55	12	04.5	M8	GC	1078	P -63 83
77		8.5	51 52.660	0.0010	25	-66 8 21.20	-0.035	36	1.72	52.607	45	96.7	19.35	53	96.7		M4	172	P -66 66
78		8.3	52 23.740	0.0022	25	-69 21 31.05	-0.041	36	1.73	23.626	45	96.9	28.89	63	96.9		M4	175	P -69 27
79	9.8	9.3W	52 28.582	-0.0066	10	-63 21 47.44	-0.048	10	0.14	28.602	14	46.9	47.29	14	46.9	F5	CO	184	P -63 86
80		8.0T	52 41.016	-0.0075	12	-65 43 49.68	-0.062	11	0.58	41.373	21	02.6	46.65	18	00.8	F5	GC	1098K	P -66 69
81		5.3H	53 8.641	0.0021	04	-69 47 50.03	-0.041	03	0.14	8.563	07	13.7	48.56	06	13.9	K0	F4	34	C -70 40
82		8.3T	53 28.803	0.0052	12	-68 53 55.58	-0.022	12	0.65	28.534	21	98.1	54.43	19	96.6	F8	GC	1108	P -69 28
83		7.2T	54 17.997	0.0484	13	-64 13 52.30	0.144	11	0.61	15.745	21	03.5	59.49	18	00.2	G0	GC	1129	P -64 91
84		9.2T	54 22.064	-0.0005	12	-60 2 2.81	-0.016	10	0.49	22.083	17	09.0	2.10	18	06.8	G0	GC	1130	P -60 59
85	9.8	8.7W	54 38.152	-0.0009	07	-60 50 25.61	0.005	07	0.14	38.155	14	46.9	25.62	14	46.9	K0	CO	188	P -61 48
86		8.4	54 46.810	0.0059	25	-64 20 41.37	0.034	36	1.80	46.484	53	94.9	43.23	63	94.9		M4	183	P -64 93
87		9.0	54 49.144	0.0062	25	-69 24 12.23	-0.031	36	1.54	48.860	53	03.9	10.81	63	03.9		M4	184	P -69 29
88	9.0	9.2W	55 0.344	0.0011	10	-63 32 44.05	0.012	10	0.14	0.340	14	46.9	44.09	14	46.9	A2	CO	189	P -63 91
89	8.9	8.9W	55 38.452	0.0102	06	-64 9 45.10	-0.005	06	0.14	38.420	14	46.9	45.09	14	46.9	F2	CO	192	P -64 95
90	8.7	7.8W	55 49.337	0.0054	07	-64 2 40.05	0.012	07	0.14	49.320	14	46.9	40.09	14	46.9	G5	CO	193	P -64 96
91		7.2T	55 56.464	-0.0035	10	-66 49 51.90	-0.027	07	0.41	56.625	14	04.2	50.55	12	00.0	G0	GC	1170K	P*-67 62
92		9.1	56 6.395	-0.0018	25	-68 27 49.19	-0.039	36	1.40	6.471	53	08.9	47.60	63	08.9		M4	187	P -68 35
93		6.4T	56 17.951	0.0073	06	-60 57 59.17	0.023	05	0.27	17.653	12	09.2	+ 0.20	12	04.6	A3	GC	1177	P -61 55
94		9.2T	56 31.649	0.0027	20	-61 2 22.12	-0.041	20	0.91	31.527	24	05.1	20.26	24	05.1	A2	GC	1181	P -61 51
95	9.7	8.2W	56 43.320	0.0025	09	-62 43 17.91	0.027	09	0.14	43.312	14	46.9	17.99	14	46.9	K2	CO	196	P -63 92
96		8.7	57 44.351	0.0041	25	-68 17 36.26	0.083	36	1.65	44.144	53	99.9	40.44	63	99.9		M4	198	P -68 36
97		8.7T	58 3.574	0.0043	13	-67 31 16.93	-0.022	12	0.67	3.359	19	00.4	15.80	19	98.8	G5	GC	1207	P -67 65
98	9.9	9.4W	58 4.793	-0.0002	10	-61 43 24.20	-0.032	10	0.14	4.794	14	46.9	24.10	14	46.9	G0	CO	201	P -62 78
99		9.2T	58 24.191	-0.0015	20	-60 32 10.79	0.020	22	0.95	24.256	24	06.1	11.64	26	06.8	A0	GC	1218	P -60 66
00		9.1	59 1.089	-0.0049	25	-68 48 20.20	0.010	36	1.72	1.345	53	97.9	20.75	63	97.9		M4	197	P -69 35

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 0H DM NUMBER
1		6.9T	0 59 16.199	0.0130	11	-61 7 49.17	0.107	08	0.51	15.560	17	00.8	55.02	15	95.1	G0	GC	1239	P -61 58
2	9.4	9.2W	59 20.764	0.0002	07	-62 2 16.32	0.026	07	0.14	20.764	14	46.9	16.40	14	46.9	A5	CD	205	P -62 79
3	9.9	9.5W	59 21.233	0.0063	08	-61 34 2.61	-0.035	08	0.14	21.214	14	46.9	2.50	14	46.9	F8	CD	206	P -61 59
4	10.0	9.1W	59 27.844	-0.0064	06	-62 1 35.73	-0.072	06	0.14	27.864	14	46.9	35.50	14	46.9	G5	CD	207	P -62 80
5	9.3	9.5W	59 38.269	0.0043	10	-61 6 8.02	0.002	10	0.14	38.255	14	46.9	8.03	14	46.9	A0	CD	208	P -61 61
6	8.7	8.6W	59 38.462	0.0059	07	-62 25 51.97	-0.022	07	0.14	38.444	14	46.9	51.90	14	46.9	F5	CD	209	P -62 81
7		8.3	59 58.390	-0.0140	25	-65 55 23.29	-0.081	36	1.73	59.133	45	96.9	19.01	63	96.9	M4	GC	1268	P -66 79
8		8.2T	1 0 48.350	0.0015	09	-65 43 28.45	0.004	07	0.47	48.272	19	96.8	28.69	18	94.2	MB	GC	1269	P -66 80
9		7.4Q	1 16.288	-0.0151	10	-60 21 52.60	-0.098	07	0.46	17.016	18	01.7	47.35	15	96.6	F5	GC	1282K	P*-60 72
10		7.3Q	1 16.814	-0.0160	12	-60 21 53.95	-0.069	09	0.63	17.635	21	98.6	49.87	18	91.2		GC	1284K	P -60 72
11		9.1	1 59.887	0.0050	25	-65 22 14.84	-0.013	36	1.68	59.632	53	99.2	14.18	63	99.2		M4	201	P -65 110
12		9.0	2 4.893	0.0109	25	-64 24 49.68	-0.059	36	1.77	4.301	53	95.9	46.48	63	95.9		M4	202	P -64 100
13		8.0	2 39.036	0.0039	25	-64 58 8.97	-0.002	36	1.95	38.821	89	94.9	8.85	*	94.9		M4	203	P -65 112
14	10.0	9.0W	3 38.809	0.0045	07	-60 59 43.97	-0.013	07	0.14	38.795	14	46.9	43.93	14	46.9	G5	CD	220	P -61 68
15		8.8T	3 39.551	0.0002	17	-61 37 29.60	-0.026	20	0.77	39.543	21	09.3	28.54	22	09.9	F2	GC	1327	P -62 85
16		8.9T	3 41.459	0.0014	15	-62 24 16.86	0.013	13	0.73	41.390	22	01.8	17.50	22	99.4	G0	GC	1328	P -62 86
17	10.2	9.9W	3 44.826	-0.0004	09	-60 15 27.48	-0.117	09	0.14	44.827	14	46.9	27.12	14	46.9	G0	CD	224	P -60 76
18	9.3	9.4W	3 52.997	0.0032	07	-60 19 41.78	-0.020	07	0.14	52.987	14	46.9	41.72	14	46.9	A3	CD	225	P -60 77
19		9.2	4 11.977	0.0011	33	-69 51 15.43	-0.080	43	2.29	11.915	75	92.9	10.89	57	92.9		M3	155	
20		8.2T	4 26.985	-0.0005	18	-61 25 13.28	-0.004	20	0.81	27.005	21	08.6	13.10	22	09.2	K0	GC	1349	P -61 70
21		9.0	4 34.394	0.0060	25	-65 55 22.09	0.039	36	1.66	34.083	36	97.9	24.14	45	97.9		M4	211	P -66 84
22		8.9T	4 53.696	0.0056	17	-60 14 2.38	-0.050	12	0.67	53.463	19	08.6	0.04	18	03.5	F2	GC	1359	P -60 79
23		8.5T	5 3.110	0.0008	15	-63 37 19.47	0.001	13	0.71	3.073	24	03.5	19.54	22	01.9	K0	GC	1363	P -64 113
24		5.3H	5 20.132	0.0111	03	-62 2 31.21	-0.005	02	0.11	19.741	05	14.8	31.02	05	11.1	K0	F4	39	P -62 89
25		7.5T	6 5.678	0.0186	13	-62 8 17.33	-0.013	10	0.61	4.797	19	02.7	16.65	18	99.4	A2	GC	1385	P -62 90
26		9.1	6 19.919	-0.0021	25	-64 34 38.60	-0.028	36	1.77	20.033	53	95.9	37.08	63	95.9		M4	218	P -64 115
27	10.0	8.8W	6 47.287	0.0005	07	-60 53 11.28	-0.017	07	0.14	47.285	14	46.9	11.23	14	46.9	K0	CD	236	P -61 74
28		8.3	7 14.685	-0.0019	25	-69 49 56.02	0.016	36	1.79	14.790	53	94.9	56.92	53	94.9		M4	226	P -70 49
29		8.0T	7 17.689	0.0000	12	-67 8 47.83	0.009	11	0.61	17.689	18	00.3	48.30	18	98.1	K0	GC	1408	P -67 74
30		9.1	7 33.277	0.0181	25	-69 7 9.72	-0.023	36	1.45	32.479	45	05.9	8.73	53	05.9		M4	229	P -69 37
31		8.7	8 3.493	-0.0141	25	-64 37 35.54	-0.060	36	1.76	4.263	45	95.4	32.26	53	95.4		M4	231	P -65 119
32		7.8	8 45.965	0.0120	25	-66 11 17.02	0.006	36	1.75	45.325	53	96.6	17.35	63	96.6		M4	233	P -66 87
33	8.9	9.2W	8 50.748	0.0038	07	-60 2 3.88	-0.020	07	0.14	50.737	14	46.9	3.82	14	46.9	A0	CD	340	P -60 90
34		7.8	8 58.143	0.0170	25	-66 27 7.16	-0.130	36	1.51	57.375	53	04.9	1.30	63	04.9		M4	234	P -66 88
35		9.4T	9 33.494	0.0010	15	-68 18 49.73	0.020	18	0.80	33.448	21	03.3	50.63	22	04.4	K5	GC	1450	P -68 43
36		8.3T	10 43.969	0.0019	12	-62 32 35.43	-0.002	11	0.57	43.882	19	04.5	35.32	19	02.6	K0	GC	1469	P -62 97
37		8.3	11 51.262	-0.0150	25	-65 18 3.46	-0.157	36	1.79	52.088	53	94.9	-54.81	53	94.9		M4	244	P -65 123
38		8.2T	12 7.617	-0.0059	12	-61 16 25.12	-0.022	10	0.51	7.858	17	09.1	24.10	17	04.5	F5	GC	1497	P -61 84
39		8.8	12 50.954	0.0340	25	-65 1 25.76	-0.293	36	1.64	49.274	53	00.6	11.28	63	00.6		M4	247	P -65 125
40		8.5T	13 3.933	-0.0024	17	-60 22 47.90	-0.025	20	0.74	4.027	18	10.3	46.91	18	10.8	A2	GC	1515	P -60 96
41		9.2	13 7.249	-0.0060	25	-67 1 10.54	-0.028	36	1.66	7.549	53	99.9	9.14	63	99.9		M4	250	P -67 79
42		7.6T	13 18.731	0.0734	12	-69 5 4.86	0.098	09	0.57	14.995	18	99.1	10.32	17	94.6	G5	GC	1517K	P*-69 44
43	8.9	7.9W	13 29.072	0.0023	06	-62 22 22.93	0.020	06	0.14	29.064	14	46.4	23.00	14	46.4	K0	CD	251	P -62 99
44		8.0T	13 32.071	0.0013	17	-63 24 42.14	0.008	13	0.65	32.019	19	10.8	42.48	19	06.5	K2	GC	1522	P -63 107
45		7.3T	14 3.911	0.0664	11	-69 8 25.34	0.113	12	0.59	0.670	19	01.2	28.80	18	01.9		GC	1535K	P*-69 45
46		5.1T	14 4.616	0.0758	05	-69 8 28.63	0.112	05	0.32	0.282	10	92.8	35.52	10	88.7	F8	GC	1536K	P*-69 45
47		6.9T	14 46.668	0.0233	09	-67 41 41.62	0.025	09	0.55	45.344	19	93.1	43.07	18	91.7	F2	GC	1551	P -68 47
48	9.7	9.7W	14 59.373	-0.0048	14	-63 46 28.34	0.013	14	0.15	59.390	14	46.4	28.38	14	46.4	A2	CD	253	P -64 124
49	9.3	9.0W	15 5.920	0.0017	07	-61 55 14.22	-0.005	07	0.14	5.914	14	46.4	14.20	14	46.4	F5	CD	254	P -62 103
50		6.3T	15 19.768	0.0083	05	-66 39 41.12	0.006	04	0.25	19.397	10	05.2	41.45	10	95.5	A0	GC	1568K	P*-67 81
51	9.2	8.8W	1 15 30.218	0.0097	07	-61 50 26.30	-0.138	07	0.14	30.184	14	46.4	25.80	14	46.4	G5	CD	256	P -62 105
52	11.0	9.4W	15 33.996	0.0031	09	-61 11 24.65	-0.007	09	0.14	33.985	14	46.4	24.62	14	46.4	M0	CD	258	P -61 88
53		9.5T	15 36.803	0.0045	15	-66 53 53.11	0.006	16	0.76	36.594	24	03.6	53.39	24	03.5	G5	GC	1571	P -67 82
54		7.0T	15 48.838	0.0042	12	-65 28 29.91	-0.004	10	0.57	48.632	18	01.2	29.70	17	98.7	MB	GC	1575	P -65 127
55	10.4	9.4W	15 55.717	0.0084	09	-60 16 19.43	0.024	09	0.14	55.687	14	46.4	19.52	14	46.4	G5	CD	260	P -60 97
56		7.4T	16 8.936	0.0157	11	-67 22 25.02	0.030	08	0.55	8.120	22	98.1	26.73	18	93.0	K0	GC	1583	P -67 84
57		8.6	16 36.646	0.0169	25	-64 53 37.02	-0.028	36	1.63	35.817	53	00.9	35.64	63	00.9		M4	257	P -65 128
58		9.0	16 40.619	-0.0009	25	-68 47 20.91	-0.050	36	1.77	40.668	53	95.9	18.22	63	95.9		M4	260	P -69 52
59		8.6T	16 55.427	0.0037	12	-66 56 16.39	0.030	12	0.63	55.246	21	01.1	17.94	19	98.5	F0	GC	1595	P -67 85
60		7.1T	18 10.307	0.0012	12	-69 9 43.64	0.112	11	0.64	10.248	19	00.9	49.60	19	97.0	F5	GC	1625	P -69 53
61		8.8	18 10.604	0.0050	25	-66 28 17.00	-0.015	36	1.65	10.350	53	99.6	16.24	53	99.4		M4	265	P -66 93
62	10.0	9.7W	18 12.990	0.0036	09	-60 10 51.65	0.019	09	0.14	12.977	14	46.4	51.72	14	46.4	F5	CD	262	P -60 105
63	10.4	9.6W	18 13.379	0.0012	09	-60 33 59.95	-0.008	09	0.14	13.375	14	46.4	59.92	14	46.4	G5	CD	263	P -60 106
64		8.6	18 15.349	-0.0029	25	-67 41 25.35	-0.025	36	1.95	15.511	89	94.9	23.97	*	94.9		M4	267	P -68 50
65		7.4T	18 18.073	0.0082	09	-60 20 10.73	-0.004	08	0.43	17.710	17	05.9	10.52	15	01.4	K0	GC	1627	P -60 107
66	10.1	9.5W	18 39.332	0.0135	07	-61 34 47.21	0.054	07	0.14	39.283	14	46.4	47.40	14	46.4	G5	CD	265	P -61 93
67		8.6	18 44.719	-0.0019	25	-68 19 54.50	-0.025	36	1.44	44.802	36	05.4	53.41	45	05.4		M4	269	P -68 51
68	10.3	8.9W	19 20.812	0.0028	09	-63 14 36.88	0.004	09	0.14	20.802	14	46.4	36.89	14	46.4	K5	CD	268	P -63 111
69		7.0T	20 8.586	-0.0061	06	-66 38 43.76	-0.015	05	0.26	8.848	10	07.2	43.05	10	02.4	A0	GC	1661	P -67 89
70		7.0T	20 28.002	-0.0018	14	-69 58 48.31	0.005	12	0.67	28.091	18	01.3	48.59	17	98.6	F2	GC	1673K	P*-70 64
71	9.6	9.3W	20 29.871	0.0013	09	-60 26 59.83	0.025	09	0.14	29.867	14	46.4	59.92	14	46.4	F5	CD	270	P -60 109
72		7.4T	20 29.998	0.0047	12	-61 35 27.22	0.008	10	0.52	29.800	18	07.9	27.56	15	05.7	M0	GC	1674	P -61 94
73		8.0T	20 36.002	0.0058	15	-61 15 51.76	0.019	13	0.69	35.737	22	04.5	52.66	19	01.5	K0	GC	1676	P -61 95
74		8.8T	20 59.849	0.0010	20	-61 8 7.75	-0.037	26	1.01	59.805	24	06.1	6.17	26	07.7	K5	GC	1684	P -61 96
75		7.7T	21 15.012	0.0212	12	-69 20 30.93	0.052	11	0.65	13.918	22	98.4	33.80	19	95.4	G5	GC	1690	P -69 55
76		7.5T	22 5.429	-0.0016	13	-60 53 20.89	0.024	11	0.58	5.498	18	06.9	21.99	18	03.7	M0	GC	1701	P -61 99
77	10.3	9.8W	22 26.301	-0.0034	12	-62 5 48.82	-0.034	12	0.15	26.314	14	46.4	48.70	14	46.4	G	CD	281	P -62 115
78	10.1	9.0W	22 28.322	0.0027	09	-62 42 25.35	-0.016	09	0.14	28.312	14	46.4	25.29	14	46.4	K0	CD	282	P -63 114
79	9.7	9.7W	23 15.162	0.0005	14	-64 13 15.64	0.010	14	0.15	15.160	14	46.4	15.68	14	46.4	F0	CD	285	P -64 129
80		8.5	23 20.407	-0.0010	25	-66 24 10.84	0.005	36	1.77	20.459	53	95.9	11.10	63	95.9		M4	284	P -66 99
81		5.8H	23 21.711	0.0038	03	-64 37 44.89	-0.015	03	0.13	21.579	07	15.5	44.38	06	16.7	K5	F4	1038	P -65 130
82	10.7	9.9W	24 30.113	0.0046	09	-60 10 38.22	-0.028	09	0.14	30.096	14	46.4	38.32	14	46.4	G5	CD	289	P -60 114
83		8.3	24 34.726	0.0191	25	-68 6 4.05	-0.063	36	1.45	33.904	53	06.9	1.33	63	06.9		M4	286	P -68 57
84	10.0	9.5W	25 11.423	-0.0025	07	-63 13 30.24	-0.014	07	0.14	11.432	14	46.4	30.19	14	46.4	F8	CD	290	P -63 116
85		9.0	25 19.918	-0.0021	25	-64 50 22.13	-0.053	36	1.75	20.030	53	96.6	19.29	63	96.6		M4	289	P -65 132
86	9.6	9.4W	26 51.359	0.0149	07	-61 12 50.82	0.084	07	0.14	51.305	14	46.4	51.12	14	46.4	F8	CD	294	P -61 107
87		8.0	27 11.258	-0.0038	25	-68 25 59.90	-0.054	36	1.80	11.470	53	94.9	56.95	63	94.9		M4	298	P -68 59
88		8.4T	27 12.286	-0.0007	16	-61 20 26.06	0.043	16	0.69	12.314	21	08.6	27.82	21	08.6	K0	GC	1809	P -61 109
89		8.0T	27 50.947	0.0045	16	-61 28 46.79	0.001	20	0.73	50.772	18	11.4	46.82	21	10.4	A2	GC	1823	P -61 111
90		9.5T	28 11.279	0.0066	18	-60 40 1.66	0.017	20	0.89	10.979	24	04.6	2.41	24	04.9	K5	GC	1831	P -61 113
91	10.2	9.9W	28 42.620	0.0073	09	-61 36 53.84	0.018	09	0.14	42.594	14	46.4	53.90	14	46.4	F6	CD	301	P -62 122
92	9.4	8.5W	29 13.337	0.0098	07	-62 54 36.00	0.026	07	0.14	13.302	14	46.4	36.09	14	46.4	G5	CD	303	P -63 120
93		8.3	29 27.655	-0.0040	33	-66 45 14.18	-0.003	43	2.25	27.879	75	93.9	14.01	57	93.9		M3	215	
94		7.3T	29 35.210	0.0454	12	-65 22 36.94	0.104	12	0.57	33.226	21	06.3	41.50	19	06.2	K0	GC	1859	P -65 135
95		7.4T	29 51.094	-0.0029	11	-61 30 22.87	0.009	09	0.49	51.224	18	05.0	23.27	15	03.2	F0	GC	1863	P -61 115
96	9.5	8.8W	30 47.731	0.0115	09	-63 6 3.43	0.041	09	0.15	47.684	14	45.9	3.60	14	45.9	G5	CD	307	P -63 122
97		8.0	31 12.952	-0.0037	25	-68 37 25.32	-0.006	36	1.60	13.132	53	01.9	25.03	63	01.9		M4	308	P -69 65
98		9.2	31 13.660	-0.0077	25	-68 48 30.55	-0.057	36	1.77	14.077	53	95.9	27.46	63	95.9		M4	309	P -69 66
99	9.5	9.2W	31 18.869	0.0107	14	-61 52 38.45	0.012	14	0.15	18.825	14	45.9	38.50	14	45.9	G0	CD	308	P -62 123
00	9.6	8.7W	31 25.929	0.0091	12	-64 7 28.20	-0.003	12	0.15	25.892	14	45.9	28.19	14	45.9	G5	CD	310	P -64 133

248400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 1H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.1T	1 32 17.211	-0.0037	08	-62 43 55.04	0.005	08	0.42	17.389	18	01.6	55.28	17	99.3	A5	GC	1912	P -63 124
2		8.3T	32 19.239	-0.0007	17	-61 29 24.41	0.018	18	0.71	19.266	21	10.4	25.08	18	12.0	K0	GC	1914	P -61 117
3		9.1	32 52.863	0.0090	25	-69 11 24.57	-0.015	36	1.77	52.374	53	99.9	23.75	63	99.9		M4	316	P -69 70
4		8.0*	33 13.933	0.0039	33	-65 33 16.50	-0.046	43	2.25	13.713	75	93.9	13.90	57	93.9		M3	220	*
5		9.0	33 27.995	-0.0129	25	-69 24 41.06	-0.084	36	1.65	28.641	53	99.9	36.84	63	99.9		M4	318	P -69 73
6		8.4	33 37.821	0.0001	25	-67 23 30.58	-0.033	36	1.45	37.818	53	06.9	29.16	63	06.9		M4	319	P -67 102
7		8.0T	33 59.288	0.0091	12	-61 13 17.62	0.015	10	0.58	58.860	19	03.1	18.38	18	97.8	A2	GC	1951	P -61 120
8		9.0	34 49.414	0.0000	25	-68 30 25.63	-0.055	36	1.74	49.413	53	96.9	22.70	63	96.9		M4	323	P -68 68
9	9.3	8.8W	35 27.965	0.0096	06	-62 11 24.00	0.050	06	0.14	27.925	14	45.9	24.20	14	45.9	G5	CO	321	P -62 127
10		8.5	35 42.531	0.0021	25	-67 20 11.87	-0.048	36	1.54	42.433	45	02.7	9.60	53	02.7		M4	326	P -67 106
11		7.3T	36 8.752	-0.0013	12	-60 45 55.84	0.017	10	0.59	8.813	19	03.3	56.68	18	99.3	G5	GC	1984	P -61 124
12		7.5T	36 35.134	0.0027	13	-66 48 37.33	-0.005	12	0.67	35.000	21	01.1	37.08	19	96.6	K0	GC	2001	P -67 107
13		7.1T	37 2.663	0.0114	10	-65 51 35.51	-0.025	09	0.55	2.040	21	95.5	34.07	18	93.4	G5	GC	2011	P -66 106
14		8.4	38 12.591	-0.0063	25	-64 49 29.77	-0.070	36	1.84	12.936	63	94.9	25.93	75	94.9		M4	333	P -65 143
15		8.0T	38 31.292	0.0057	12	-68 30 39.23	0.016	12	0.62	31.013	21	01.2	40.03	21	99.3	K0	GC	2043	P -68 73
16		7.7T	38 40.900	0.0087	11	-61 15 4.72	0.006	10	0.55	40.485	18	02.4	5.00	17	99.3	F0	GC	2049	P -61 125
17	9.9	9.6W	38 44.915	-0.0004	13	-60 37 25.68	0.010	13	0.15	44.916	14	45.9	25.72	14	45.9	A5	CO	328	P -61 127
18		8.8	38 57.707	0.0091	25	-67 29 5.39	-0.005	36	1.53	57.274	36	02.3	5.15	45	02.3		M4	336	P -67 108
19	9.0	8.9W	39 48.912	-0.0033	12	-62 14 47.84	0.015	12	0.15	48.925	14	45.9	47.90	14	45.9	F0	CO	329	P -62 132
20		9.2	40 3.685	0.0029	25	-66 4 58.05	-0.021	36	1.68	3.535	53	98.9	56.95	63	98.9		M4	345	P -66 108
21		5.6T	40 5.348	0.0018	07	-61 2 26.68	-0.039	05	0.29	5.273	14	08.3	24.82	12	03.0	K0	GC	2091	P -61 130
22	10.3	9.7W	40 14.294	0.0067	11	-60 41 24.15	-0.007	11	0.15	14.267	14	45.9	24.12	14	45.9	G0	CO	331	P -61 131
23	9.0	9.0W	40 16.506	0.0059	06	-63 32 48.46	0.007	06	0.14	16.482	14	45.9	48.49	14	45.9	A5	CO	332	P -63 127
24		8.7	41 23.669	0.0040	25	-65 9 36.75	-0.006	36	1.75	23.457	53	96.6	37.09	63	96.6		M4	348	P -65 145
25		8.1T	41 27.089	0.0012	15	-61 36 48.34	-0.000	16	0.64	27.020	19	09.6	48.32	18	10.8	K0	GC	2115	P -61 133
26		8.9	41 49.424	-0.0010	33	-69 49 24.62	0.007	43	2.29	49.480	75	92.9	25.01	57	92.9		M3	238	
27		7.0T	42 52.087	0.0030	09	-61 16 8.51	-0.001	08	0.49	51.931	19	98.5	8.43	18	95.0	B9	GC	2140	P -61 139
28	10.0	9.6W	43 27.952	0.0010	13	-60 8 21.48	0.012	13	0.15	27.948	14	45.9	21.53	14	45.9	G0	CO	341	P -60 141
29		8.7T	43 29.581	0.0114	18	-60 38 19.84	-0.026	22	0.90	29.091	24	07.0	18.72	26	07.8	G5	CO	2149	P -61 141
30		8.7	43 33.095	0.0040	25	-68 13 32.73	0.003	36	1.44	32.924	53	07.6	32.86	63	07.6		M4	354	P -68 82
31	10.1	9.7W	43 48.735	0.0119	11	-60 50 0.94	-0.003	11	0.15	48.687	14	45.9	0.93	14	45.9	G0	CO	343	P -61 142
32	10.2	9.9W	44 29.524	0.0001	07	-63 3 38.55	-0.012	07	0.14	29.524	14	45.9	38.50	14	45.9	G0	CO	346	P -63 130
33		7.6T	45 0.753	-0.0087	11	-61 38 24.32	-0.019	10	0.51	1.135	18	06.1	23.37	17	01.3	F5	GC	2179	P -62 139
34	10.4	9.6W	45 24.079	-0.0040	14	-62 16 51.57	0.031	14	0.15	24.095	14	45.9	51.70	14	45.9	G3	O CO	350	P -62 141
35		9.1	45 36.415	-0.0121	25	-66 46 44.07	-0.024	36	1.75	37.059	53	96.6	42.81	63	96.6		M4	362	P -67 118
36			45 46.361	-0.0029	25	-68 15 34.07	-0.017	36	1.40	46.481	53	09.0	33.36	63	09.0		M4	364	P -68 86
37		8.2T	46 0.520	-0.0028	17	-63 51 27.22	-0.010	16	0.72	0.632	19	09.9	26.79	21	05.5	K5	GC	2199	P -64 137
38		8.2	46 57.109	-0.0111	25	-64 36 3.91	-0.004	36	1.44	57.584	53	07.3	3.73	63	07.3		M4	367	P -64 138
39		9.0	46 59.680	0.0000	25	-69 58 41.12	-0.081	36	1.39	59.679	53	09.2	37.80	63	09.2		M4	368	P -70 94
40		8.7	47 16.751	-0.0011	25	-66 1 3.05	-0.027	36	1.95	16.809	89	94.9	1.54	*	94.9		M4	369	P -66 116
41	9.8	9.4W	47 27.657	-0.0045	12	-62 28 37.02	0.021	12	0.15	27.675	14	45.9	37.10	14	45.9	F2	CO	353	P -62 145
42		8.4T	47 40.949	0.0022	18	-63 45 53.00	0.026	13	0.72	40.854	22	07.0	54.17	18	05.5	A2	GC	2221	P -64 139
43	9.6	8.3W	48 10.236	0.0206	14	-63 37 56.76	-0.017	14	0.15	10.152	14	45.9	56.69	14	45.9	K2	CO	355	P -64 140
44		9.0	48 18.407	0.0009	33	-66 49 25.02	-0.012	43	2.25	18.354	75	93.9	24.37	57	93.9		M3	249	
45		9.6	48 26.955	0.0000	25	-69 1 35.49	0.036	36	1.46	26.953	45	05.7	37.08	53	05.7		M4	374	P -69 81
46	10.2	9.9W	48 35.925	0.0019	13	-61 15 40.87	0.013	13	0.15	35.917	14	45.9	40.92	14	45.9	F8	CO	356	P -61 149
47	8.3	7.4W	48 52.308	0.0035	06	-63 12 18.62	-0.005	06	0.14	52.294	14	45.9	18.60	14	45.9	K0	CO	357	P -63 132
48	9.4	9.3W	48 59.749	-0.0037	07	-63 4 29.88	-0.019	07	0.14	59.764	14	45.9	29.80	14	45.9	F0	CO	358	P -63 133
49	9.9	8.9W	49 1.443	-0.0030	12	-62 19 5.90	0.001	12	0.15	1.455	14	45.9	5.30	14	45.9	K2	CO	359	P -62 146
50	10.2	9.8W	49 23.377	0.0094	11	-60 12 51.38	0.010	11	0.15	23.338	14	45.9	51.42	14	45.9	F0	CO	360	P -60 149
51	9.9	9.5W	1 49 36.611	-0.0007	09	-63 28 56.76	-0.039	09	0.15	36.614	14	45.9	56.60	14	45.9	F8	CO	362	P -63 134
52	9.5	9.3W	49 41.783	0.0052	11	-63 31 59.12	0.115	11	0.15	41.762	14	45.9	59.59	14	45.9	F8	CO	363	P -63 135
53		8.8	50 27.177	-0.0079	25	-68 22 24.21	-0.013	36	1.77	27.605	53	95.9	23.49	63	95.9		M4	384	P -68 95
54	10.3	9.3W	50 37.964	0.0093	06	-60 34 7.82	0.060	06	0.14	37.926	14	45.9	8.02	14	45.9	K2	CO	365	P -60 154
55	6.7I		51 18.717	0.0047	05	-68 11 25.10	-0.003	04	0.24	18.518	10	07.8	24.96	10	00.8	A0	GC	2298X	P*-68 96
56	9.7	8.6W	51 32.714	0.0022	07	-61 55 44.03	-0.007	07	0.14	32.705	14	45.9	44.00	14	45.9	K2	CO	366	P -62 150
57	10.9	9.5W	51 38.247	0.0049	07	-60 34 42.47	-0.011	07	0.14	38.226	14	45.9	42.42	14	45.9	G8	O CO	367	P -60 157
58		9.2	51 52.776	-0.0160	25	-66 27 44.57	-0.052	36	1.74	53.626	53	96.9	41.82	63	96.9		M4	389	P -66 117
59		9.1	52 40.884	-0.0070	25	-69 35 44.18	-0.044	36	1.66	41.234	53	99.9	41.97	63	99.9		M4	395	P -69 85
60		4.7H	53 39.936	0.0135	03	-67 53 34.38	0.078	03	0.11	39.472	05	15.7	37.02	05	16.2	K0	F4	69	P -68 101
61		7.1T	53 42.563	-0.0067	11	-60 33 22.81	-0.032	08	0.54	42.897	21	00.2	20.98	18	93.7	F0	GC	2332K	P*-60 162
62		7.4Q	53 42.890	-0.0047	13	-60 33 21.28	-0.038	11	0.63	43.110	21	03.2	19.31	19	98.7		GC	2333K	P -60 162
63	8.7	8.7W	53 58.017	0.0032	06	-63 19 17.69	0.002	06	0.14	58.004	14	45.9	17.70	14	45.9	A2	CO	371	P -63 137
64		6.2T	54 10.537	0.0008	12	-61 6 22.38	0.061	08	0.53	10.499	19	03.4	25.57	17	97.3	F0	GC	2341	P -61 157
65		8.6	54 21.694	0.0080	25	-68 6 21.63	0.020	36	1.74	21.268	53	97.0	22.69	63	97.0		M4	400	P -68 103
66		7.3T	54 40.985	-0.0029	12	-68 38 7.94	0.017	11	0.66	41.133	21	98.9	8.88	17	94.2	K0	GC	2349	P -69 87
67	9.4	8.7W	54 46.181	-0.0043	06	-60 26 6.15	-0.153	06	0.14	46.198	14	45.9	5.52	14	45.9	G5	CO	375	P -60 165
68	8.6	8.8W	54 46.845	0.0017	13	-60 2 10.12	-0.023	13	0.15	46.838	14	45.9	10.02	14	45.9	A2	CO	376	P -60 164
69		8.6T	54 52.465	0.0586	18	-60 28 24.10	0.164	20	0.78	50.108	19	09.8	30.59	19	10.3	K2	GC	2356	P -60 167
70	9.4	9.4W	55 42.184	-0.0008	13	-60 57 38.39	-0.016	13	0.15	42.187	14	45.9	38.32	14	45.9	A5	CO	381	P -61 161
71		8.7	56 12.206	-0.0020	25	-66 15 27.55	-0.011	36	1.45	12.293	53	07.0	27.09	63	07.0		M4	405	P -66 121
72		6.4T	56 31.851	-0.0010	10	-65 40 2.84	-0.009	09	0.53	31.899	19	01.1	2.35	18	98.2	G5	GC	2390	P -66 123
73		8.5	56 59.651	-0.0190	25	-67 49 50.10	-0.111	36	1.80	+ 0.697	53	94.9	44.00	63	94.9		M4	412	P -68 106
74		3.0H	57 11.703	0.0379	02	-61 48 45.44	0.033	02	0.09	10.153	05	09.2	46.74	05	10.9	F0	F4	72	P -62 162
75	10.1	9.6W	57 43.560	0.0034	13	-60 44 36.71	-0.046	13	0.15	43.547	14	45.9	36.52	14	45.9	G0	O CO	383	P -61 164
76		6.1T	58 22.203	0.0040	06	-66 18 29.93	0.016	05	0.28	22.030	12	07.3	30.68	12	01.6	K2	GC	2433	P -66 125
77	10.5	9.4W	58 59.796	0.0017	08	-60 26 16.13	-0.002	08	0.14	59.788	14	45.9	16.13	14	45.9	K0	O CO	388	P -60 173
78		7.8T	59 1.463	0.0040	12	-63 0 15.10	0.040	10	0.51	1.297	18	08.7	17.01	18	01.8	F2	GC	2444K	P -63 143
79		9.2	59 45.815	0.0050	25	-69 33 17.35	-0.019	36	1.77	45.543	53	95.9	16.31	63	95.9		M4	416	P -69 91
80		9.0T	2 0 4.366	0.0011	18	-61 7 4.36	-0.018	20	0.81	4.319	21	08.4	3.60	22	09.0	K5	GC	2460	P -61 171
81		8.8	0 14.096	0.0040	25	-65 9 59.95	0.005	36	1.68	13.894	53	98.9	+ 0.22	63	98.9		M4	417	P -65 162
82		6.8T	0 24.447	0.0071	10	-63 51 49.63	0.037	09	0.50	24.120	17	03.9	51.60	17	97.2	F8	GC	2467	P -64 148
83	9.8	9.6W	0 27.646	0.0023	09	-60 56 52.05	-0.005	09	0.15	27.637	14	45.9	52.02	14	45.9	F5	CO	395	P -61 172
84	8.5	8.1W	0 43.455	0.0101	05	-62 49 59.54	0.062	05	0.14	43.414	14	45.9	59.80	14	45.9	F8	CO	398	P -63 144
85		9.0	0 49.416	-0.0050	33	-69 55 7.31	-0.036	43	2.29	49.700	75	92.9	5.24	57	92.9		M3	275	
86	10.0	9.0W	0 57.680	0.0053	09	-60 5 0.11	-0.021	09	0.15	57.658	14	45.9	0.02	14	45.9	K0	CO	399	P -60 176
87		8.0T	1 24.383	-0.0046	13	-66 7 27.88	-0.004	12	0.67	24.608	21	00.6	27.65	19	97.6	K2	GC	2491	P -66 127
88	9.6	9.4W	3 6.677	0.0054	05	-61 45 32.18	0.006	05	0.14	6.655	14	45.9	32.20	14	45.9	F5	CO	402	P -62 170
89		7.5T	3 15.540	0.0194	14	-65 22 37.23	0.085	10	0.62	14.633	19	03.1	41.50	17	00.0	F0	GC	2520	P -65 165
90	10.4	10.0W	3 23.893	-0.0026	07	-63 3 30.42	-0.078	07	0.14	23.904	14	45.9	30.10	14	45.9	F8	CO	403	P -63 146
91	10.3I		3 32.920	0.0008	09	-61 2 32.63	-0.050	09	0.15	32.917	14	45.9	32.43	14	45.9	G0	CO	404	P*-61 178
92		8.5	3 54.906	0.0040	25	-68 32 22.39	-0.002	36	1.43	54.737	53	07.9	22.29	63	07.9		M4	426	P -68 113
93		9.1	4 23.005	0.0200	25	-66 22 35.45	-0.097	36	1.45	22.145	53	07.0	31.28	63	07.0		M4	427	P -66 129
94		9.3	4 42.099	-0.0040	25	-67 9 24.75	0.009	36	1.63	42.297	53	00.9	25.21	63	00.9		M4	428	P -67 137
95		7.5T	5 40.391	0.0176	12	-61 13 19.16	0.112	09	0.51	39.606	18	05.4	24.54	17	01.8	F5	GC	2555	P -61 181
96		9.6	5 42.190	-0.0030	25	-69 6 9.23	-0.244	36	1.76	42.349	53	96.3	56.12	63	96.3		M4	435	P -69 97
97		6.8T	5 44.008	0.0008	06	-66 10 58.07	-0.015	05	0.27	43.974	12	09.1	57.37	12	04.6	K0	GC	2557	P -66 130
98	9.9	9.9W	6 6.449	0.0029	09	-61 8 58.45	0.019	09	0.15	6.437	14	45.9	58.52	14	45.9	A0	CO	410	P -61 182
99		8.9T	7 18.805	0.0060	18	-61 40 22.94	0.015	20	0.80	18.555	22	08.3	23.52	22	10.2	K0	GC	2591	P -62 177
00		9.1	7 30.088	-0.0059	25	-69 12 46.50	0.014	36	1.60	30.374	53	02.0	47.17	63	02.0		M4	439	P -69 99

248500			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-60° 2H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}		α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″		s	″.01		″	″.01					
1	9.7	9.5W	2 8 3.109	-0.0016	07	-61 58 34.16	0.035	07	0.14		3.115	14	45.9	34.30	14	45.9	F8	CD	413	P -62 178
2	8.7	8.2W	8 27.945	0.0076	11	-62 30 6.56	0.009	11	0.15		27.913	14	45.9	6.60	14	45.9	G0	CD	414	P -62 179
3	9.7	9.5W	8 39.126	-0.0050	07	-60 59 37.05	0.019	07	0.14		39.147	14	45.9	37.12	14	45.9	G0	CD	415	P -61 187
4		7.6T	8 46.775	0.0567	13	-64 35 26.09	0.008	10	0.59		44.157	18	03.8	26.49	17	98.7	G0	GC	2620K	P -64 156
5		7.9T	8 46.858	0.0021	10	-61 19 56.00	-0.000	09	0.45		46.766	15	06.4	55.98	15	01.1	K2	GC	2621	P -61 188
6		9.5	8 51.273	-0.0049	25	-68 19 6.43	-0.006	36	1.54		51.499	53	04.0	6.13	63	04.0		M4	445	P -68 114
7		9.0T	9 12.490	-0.0046	16	-61 22 44.04	-0.023	16	0.69		12.680	21	08.5	43.08	19	09.0	G0	GC	2629	P -61 191
8		9.4	9 14.931	0.0050	33	-69 0 52.51	-0.020	43	2.23		14.648	63	93.9	51.38	57	93.9		M3	296	
9		9.0	10 13.174	-0.0041	25	-66 35 19.10	-0.051	36	1.68		13.381	53	98.9	16.51	63	98.9		M4	454	P -66 132
10		8.3T	10 48.974	0.0021	13	-66 0 27.09	-0.028	12	0.67		48.868	19	00.7	25.64	19	99.2	K0	GC	2667K	P -66 133
11	8.2	8.0W	10 59.632	0.0187	06	-61 53 10.98	0.103	06	0.14		59.555	14	45.9	11.40	14	45.9	F5	CD	421	P -62 184
12		7.3T	11 31.317	-0.0038	11	-66 23 17.18	0.020	08	0.57		31.520	19	97.4	18.34	18	90.6	K0	GC	2684K	P -66 134
13		8.9	12 47.000	0.0029	33	-66 40 1.09	0.017	43	2.25		46.835	75	94.0	2.07	57	94.0		M3	305	
14		8.7	12 51.921	0.0049	25	-67 1 36.83	-0.006	36	1.37		51.719	53	09.2	36.61	53	09.1		M4	468	P -67 144
15		7.9T	12 55.056	-0.0003	13	-64 1 43.24	0.005	09	0.51		55.067	18	10.7	43.48	18	04.8	G5	GC	2708	P -64 159
16		9.1T	13 1.695	-0.0001	16	-60 23 39.13	-0.006	17	0.71		1.698	21	08.5	38.86	19	08.3	K0	GC	2713	P -60 192
17	10.2	9.3W	13 4.998	0.0035	07	-63 12 5.15	0.011	07	0.14		4.984	14	45.9	5.20	14	45.9	K5	CD	430	P -63 150
18		5.4T	13 11.635	0.0074	07	-68 4 28.80	0.040	05	0.28		11.331	12	08.9	30.63	12	04.4	M0	GC	2715	P*-68 126
19	10.3	8.7W	13 24.177	0.0025	07	-60 5 23.48	-0.016	07	0.14		24.169	14	46.7	23.43	14	46.7	K5	CD	599	P -60 193
20		8.9	13 41.194	-0.0019	25	-67 29 36.95	0.022	36	1.74		41.296	53	96.9	38.13	63	96.9		M4	473	P -67 145
21		5.5T	14 25.727	0.0070	07	-67 58 40.23	-0.013	06	0.30		25.433	12	08.1	39.64	12	04.0	K5	GC	2745	P*-68 128
22		7.5T	14 56.380	0.0312	13	-69 39 50.94	0.057	11	0.65		54.845	22	00.8	53.86	19	98.6	G5	GC	2761	P -70 136
23		9.1	15 4.730	-0.0009	25	-69 16 56.89	-0.075	36	1.63		4.775	53	00.9	53.20	63	00.9		M4	477	P -69 107
24	10.3	9.8W	15 14.743	0.0116	09	-61 39 37.91	-0.026	09	0.15		14.695	14	45.9	37.80	14	45.9	G5	CD	432	P -62 186
25		8.7	15 21.516	0.0030	25	-68 59 53.75	-0.217	36	1.76		21.351	53	96.0	42.01	53	96.0		M4	478	P -69 108
26		8.0T	15 25.439	0.0035	11	-63 37 26.83	0.063	09	0.54		25.276	19	03.3	30.06	18	98.9	F5	GC	2769	P -63 151
27		9.2T	16 3.469	0.0046	18	-61 41 17.69	-0.029	17	0.77		3.273	22	07.5	16.46	21	08.3	G0	GC	2783	P -62 188
28	8.5	8.4W	16 19.218	-0.0087	06	-62 58 8.39	-0.022	06	0.14		19.254	14	45.9	8.30	14	45.9	F5	CD	436	P -63 152
29	9.3	9.0W	17 2.061	0.0017	06	-63 28 32.75	0.062	06	0.14		2.054	14	45.9	33.00	14	45.9	F8	CD	437	P -63 153
30		8.9	17 3.807	0.0009	33	-64 31 35.73	0.072	43	2.29		3.756	75	92.9	39.84	57	92.9		M3	321	
31	8.0	7.8W	18 2.101	0.0233	06	-62 10 9.44	0.161	06	0.14		2.005	14	45.9	10.10	14	45.9	F5	CD	439	P -62 191
32		8.0	18 32.534	0.0200	33	-67 55 21.11	-0.285	43	2.25		31.412	75	93.9	5.14	57	93.9		M3	324	
33	9.1	8.8W	18 33.177	0.0037	07	-63 46 25.50	0.046	07	0.14		33.162	14	45.9	25.69	14	45.9	F8	CD	442	P -64 161
34	10.6	9.5W	18 33.801	0.0017	07	-63 23 19.15	0.012	07	0.14		33.794	14	45.9	19.20	14	45.9	G5	O CD	443	P -63 155
35		7.4T	18 48.713	-0.0064	12	-68 18 48.03	0.018	12	0.64		49.025	21	01.1	48.98	19	97.9	A3	GC	2834	P -68 134
36		8.2T	18 50.591	0.0057	13	-60 54 36.12	0.023	11	0.58		50.342	18	06.4	37.17	18	03.5	K0	GC	2835	P -61 199
37	8.6	8.3W	19 10.145	0.0072	06	-62 28 34.57	0.009	06	0.14		10.115	14	45.9	34.60	14	45.9	F5	O CD	448	P -62 195
38	10.1	9.7W	19 16.290	0.0029	09	-60 15 16.07	0.039	09	0.15		16.278	14	45.9	16.23	14	45.9	G0	O CD	450	P*-60 195
39		9.0	19 16.761	-0.0011	25	-64 43 59.94	-0.030	36	1.80		16.822	53	94.9	58.28	63	94.9		M4	489	P -65 172
40		7.8T	19 22.748	0.0254	14	-62 46 26.97	0.043	12	0.66		21.551	19	02.9	29.14	18	99.2	K0	GC	2845	P -63 156
41	10.0	9.2W	20 10.420	0.0133	06	-62 7 23.23	0.041	06	0.14		10.365	14	45.9	23.40	14	45.9	K2	CD	455	P -62 198
42	9.6	8.4W	20 10.934	0.0041	13	-60 39 30.05	0.018	13	0.15		10.917	14	45.9	30.12	14	45.9	K2	CD	457	P -61 202
43	9.1	8.3W	20 31.428	0.0040	07	-63 41 41.60	0.023	07	0.14		31.412	14	45.9	41.69	14	45.9	K0	CD	459	P -64 162
44		8.5T	20 46.359	0.0021	17	-60 12 14.15	-0.003	17	0.72		46.272	19	08.9	14.01	19	08.6	K2	GC	2871	P -60 198
45		4.3H	20 51.202	-0.0079	02	-68 53 11.84	0.008	02	0.10		51.500	05	12.0	12.15	05	13.6	A2	F4	1065	P -69 113
46	10.2	9.5W	21 21.109	0.0083	08	-61 37 1.55	0.012	08	0.14		21.075	14	45.9	1.60	14	45.9	G2	O CD	462	P -61 204
47	10.7	10.0W	22 6.688	0.0035	12	-63 11 53.48	-0.045	12	0.15		6.674	14	45.9	53.30	14	45.9	G5	O CD	463	P -63 157
48		8.6	22 16.969	-0.0010	33	-69 41 52.69	0.021	43	2.23		17.024	63	94.0	53.86	57	94.0		M3	331	
49	10.2	9.4W	22 35.471	-0.0006	26	-62 40 47.27	-0.018	06	0.14		35.473	14	45.9	47.20	14	45.9	G5	O CD	465	P -63 158
50	9.7	8.3W	22 36.487	0.0004	06	-61 59 39.69	0.026	06	0.14		36.485	14	45.9	39.80	14	45.9	K2	CD	466	P -62 199
51		8.9	2 23 11.516	-0.0099	25	-68 22 43.80	-0.028	36	1.76		12.048	53	96.3	42.28	63	96.3		M4	504	P -68 140
52	9.1	7.5W	23 13.854	0.0053	06	-63 57 11.89	0.024	06	0.14		13.832	14	45.9	11.99	14	45.9	K5	CD	467	P -64 166
53	10.8	9.7W	23 25.062	-0.0008	09	-62 3 36.88	0.006	09	0.15		25.065	14	45.9	36.90	14	45.9	K2	O CD	468	P -62 201
54		8.1T	23 27.796	0.0062	13	-61 41 10.01	0.029	12	0.61		27.518	19	05.2	11.41	19	02.6	F2	GC	2928	P -62 202
55		5.5H	23 29.948	-0.0088	03	-60 32 6.99	-0.129	03	0.10		30.229	06	18.1	3.04	05	19.3	F2	F4	84	P -60 199
56		6.4T	24 24.131	-0.0043	11	-66 43 8.80	-0.016	08	0.51		24.334	18	02.3	7.89	18	91.9	MB	GC	2942	P -67 154
57		8.9	24 30.106	0.0020	25	-68 15 51.75	-0.009	36	1.64		30.004	53	00.0	51.30	53	00.0		M4	506	P -68 143
58	10.5	9.7W	24 30.498	0.0002	07	-61 28 29.81	0.002	07	0.14		30.497	14	45.9	29.82	14	45.9	G5	O CD	473	P -61 206
59	9.5	9.2W	24 31.087	0.0007	07	-63 25 7.70	0.024	07	0.14		31.084	14	45.9	7.80	14	45.9	G5	CD	475	P -63 159
60		7.6	24 33.025	-0.0040	25	-67 59 37.85	0.006	36	1.37		33.187	53	09.2	38.10	53	09.1		M4	507	P -68 144
61	10.0	9.7W	24 35.610	0.0053	07	-60 13 21.28	0.011	07	0.14		35.588	14	45.9	21.33	14	45.9	F8	O CD	476	P -60 201
62	10.4	10.2W	24 46.354	-0.0019	12	-63 52 17.88	0.002	12	0.15		46.362	14	45.9	17.89	14	45.9	G0	O CD	477	P -64 170
63	8.8	7.9W	24 56.626	0.0029	06	-63 8 30.11	-0.052	06	0.14		56.614	14	45.9	29.90	14	45.9	K0	CD	478	P -63 160
64		7.9T	25 31.682	0.0065	13	-68 51 34.26	0.012	13	0.69		31.369	21	02.0	34.88	19	97.6	K0	GC	2961	P -69 121
65	8.5	8.4W	26 28.842	-0.0032	06	-62 12 27.47	0.008	06	0.14		28.856	14	45.9	27.50	14	45.9	F0	CD	482	P -62 206
66		8.8	26 33.406	-0.0050	25	-65 0 6.98	-0.055	36	1.65		33.663	45	98.9	4.19	53	98.9		M4	514	P -65 178
67		6.4T	26 53.958	0.0026	07	-64 31 21.49	0.006	06	0.41		53.805	15	90.8	21.85	14	88.3	B9	GC	2982	P -64 174
68		8.7	26 55.434	-0.0009	25	-67 23 12.92	0.035	36	1.74		55.484	36	95.4	14.83	45	95.4		M4	519	P -67 158
69		8.7T	26 59.086	0.0013	17	-61 31 41.42	0.006	17	0.70		59.034	19	09.9	41.64	18	10.7	F8	GC	2985	P -61 209
70		7.3T	27 1.387	0.0001	13	-69 44 50.38	0.036	11	0.65		1.382	22	00.6	52.29	21	96.6	MB	GC	2988	P -70 155
71		7.3	27 3.037	-0.0091	33	-65 47 9.27	-0.046	43	2.25		3.545	75	93.9	6.66	57	93.9		M3	345	
72		8.9	27 12.292	-0.0049	25	-69 16 19.11	-0.062	36	1.57		12.524	53	03.0	16.18	63	03.0		M4	521	P -69 124
73		9.0	27 30.940	-0.0050	25	-66 18 0.51	-0.110	36	1.68		31.196	53	99.0	54.91	63	99.0		M4	522	P -66 142
74	10.6	9.5W	27 46.903	0.0115	07	-62 19 15.95	-0.011	07	0.14		46.855	14	45.9	15.90	14	45.9	K2	O CD	487	P -62 207
75		8.4T	27 53.654	0.0015	17	-61 8 10.71	-0.008	17	0.83		53.583	24	03.6	10.30	22	01.8	K0	GC	3004	P -61 210
76		8.5	27 57.981	-0.0040	25	-66 59 25.21	0.014	36	1.71		58.192	53	97.9	25.96	63	97.9		M4	525	P -67 161
77		9.5T	28 45.574	-0.0041	18	-60 33 12.76	-0.047	20	0.78		45.739	19	09.8	10.87	19	10.3	A0	GC	3026	P -60 202
78		7.7T	29 4.275	0.0055	14	-68 49 53.86	0.012	13	0.72		4.004	21	01.0	54.47	19	98.0	K5	GC	3034	P -69 127
79	9.7	9.6W	29 6.801	0.0043	06	-63 5 30.40	-0.027	06	0.14		6.784	14	45.9	30.30	14	45.9	A2	CD	490	P -63 162
80	9.6	9.4W	29 13.946	-0.0040	12	-64 7 28.11	-0.054	12	0.15		13.962	14	45.9	27.89	14	45.9	F2	CD	491	P -64 176
81	8.9	8.5W	29 24.957	0.0289	06	-60 7 6.03	0.024	06	0.14		24.838	14	45.9	6.12	14	45.9	F8	CD	493	P -60 203
82		7.6T	29 41.500	0.0108	15	-62 48 58.23	-0.040	12	0.64		41.033	21	06.8	56.32	19	02.6	G5	GC	3044	P -63 163
83		7.5T	29 43.174	0.0013	13	-64 16 0.32	-0.014	10	0.59		43.113	18	03.9	59.65	15	01.3	A2	GC	3046	P -64 178
84	10.4	8.9W	29 48.322	0.0020	07	-62 49 52.41	-0.002	07	0.14		48.314	14	45.9	52.40	14	45.9	K5	O CD	495	P -63 164
85	10.0	9.8W	30 7.838	0.0098	07	-63 10 47.30	-0.002	07	0.14		7.796	14	45.9	47.29	14	45.9	F8	O CD	496	P -63 166
86	10.2	9.7W	30 7.971	0.0082	12	-63 3 15.07	0.030	12	0.15		7.938	14	45.9	15.19	14	45.9	G0	O CD	497	P -63 165
87		7.4T	30 18.926	0.0038	12	-68 11 17.95	-0.018	11	0.63		18.733	22	99.5	17.02	18	97.6	G0	GC	3060	P -68 151
88	10.3	10.0W	30 20.232	0.0054	11	-61 19 23.35	0.017	11	0.15		20.211	14	45.9	23.42	14	45.9	F2	O CD	498	P -61 211
89	9.8	8.6W	30 24.345	0.0022	13	-63 47 44.75	0.032	13	0.15		24.336	14	45.9	44.88	14	45.9	K0	CD	499	P -64 179
90	9.3	8.3W	31 0.222	0.0034	06	-63 13 31.70	0.022	06	0.14		0.208	14	45.9	31.79	14	45.9	G5	CD	500	P -63 167
91	10.0	9.2W	31 26.369	0.0031	12	-63 44 27.04	0.034	12	0.15		26.356	14	45.9	27.18	14	45.9	G5	CD	502	P -64 183
92		9.1	31 31.380	0.0028	33	-66 36 18.63	-0.027	43	2.25		31.225	75	93.9	17.09	57	93.9		M3	356	
93	10.6	10.3W	31 37.285	-0.0004	12	-64 0 54.49	0.021	12	0.15		37.286	14	45.9	54.58	14	45.9	F8	O CD	503	P -64 185
94	11.0	9.5W	32 14.328	0.0050	07	-62 46 22.32	0.017	07	0.14		14.308	14	45.9	22.39	14	45.9	K0	O CD	504	P -63 168
95		6.7T	32 19.851	0.0040	09	-62 48 21.05	0.014	07	0.48		19.644	19	98.2	21.79	18	95.3	B8	GC	3094	P*-63 169
96		8.5	32 26.407	-0.0002	25	-69 57 47.57	0.001	36	1.63		26.415	53	00.9	47.62	63	00.9		M4	540	P -70 165
97	10.4	10.0W	32 28.561	0.0325	13	-62 33 22.02	0.016	13	0.15		28.427	14	45.9	22.09	14	45.9	G5	O CD	507	P -62 209
98		6.9T	32 31.690	0.0181	10	-61 12 5.72	0.007	08	0.43		30.930	15	08.0	6.09	15	00.5	F2	GC	3098	P -61 212
99		9.0	32 45.114	-0.0021	25	-69 25 3.63	0.010	36	1.58		45.214	53	02.6	4.09	63	02.6		M4	542	P -69 130
00		8.1	32 56.430	0.0135	25	-64 42 35.76	-0.032	36	1.80		55.685	53	95.0	33.98	63	95.0		M4	541	P -65 186

248600 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2T	2 32 59.320	0.0059	11	-65 49 40.67	0.025	11	0.54	59.047	19	03.3	41.85	19	02.5	K0	GC	3109	P -66 150
2	9.8	9.0W	33 29.482	0.0005	07	-61 16 47.00	-0.045	07	0.14	29.481	14	45.9	46.82	14	45.9	K0	GC	511	P -61 214
3	8.1	8.3W	33 52.227	0.0023	06	-62 37 2.17	0.004	06	0.14	52.218	14	45.9	2.19	14	45.9	A0	GC	512	P -62 210
4	10.3	9.8W	33 53.819	-0.0144	12	-63 12 9.69	-0.099	12	0.15	53.878	14	45.9	9.29	14	45.9	G5	O GC	514	P -63 171
5	8.9	8.0W	33 58.897	0.0040	06	-61 3 14.77	-0.014	06	0.14	58.881	14	45.9	14.72	14	45.9	K0	GC	515	P -61 215
6	10.4	9.5W	34 10.861	0.0032	07	-62 31 48.18	0.003	07	0.14	10.847	14	45.9	48.19	14	45.9	K0	O GC	516	P -62 211
7		8.8	34 32.717	0.0008	25	-68 22 43.16	0.003	36	1.77	32.669	53	98.0	43.31	63	96.0		MA	552	P -68 156
8	9.6	9.2W	34 43.139	0.0123	07	-61 50 19.38	0.028	07	0.14	43.088	14	45.9	19.50	14	45.9	F5	GC	518	P -62 212
9	10.2	10.0W	35 8.685	-0.0027	12	-63 41 43.60	0.019	12	0.15	8.696	14	45.9	43.68	14	45.9	F6	O GC	519	P* -64 188
10	10.7	9.4W	35 55.562	-0.0017	09	-61 49 25.56	-0.040	09	0.15	55.569	14	45.9	25.40	14	45.9	K2	GC	522	P -62 214
11		7.1T	37 6.790	0.0006	10	-67 30 57.26	-0.003	08	0.53	6.758	18	97.2	57.10	17	91.6	K0	GC	3197	P -67 170
12		8.1T	37 17.080	0.0027	17	-61 35 43.15	0.002	17	0.71	16.971	19	09.6	43.25	19	09.6	M0	GC	3202	P -61 216
13		7.5T	37 59.045	-0.0002	12	-60 45 41.48	-0.004	11	0.55	59.053	18	08.9	41.32	18	03.7	K0	GC	3220	P -61 217
14		8.9	38 3.918	0.0017	25	-65 32 48.38	0.004	36	1.42	3.841	36	05.9	48.55	45	05.9		MA	562	P -65 191
15	8.1	8.4W	38 22.019	0.0023	06	-61 44 49.97	-0.016	06	0.14	22.009	14	45.9	49.90	14	45.9	B9	GC	527	P -62 215
16		6.6T	38 26.974	0.0042	09	-64 29 46.53	0.017	06	0.45	26.755	19	97.5	47.49	17	94.3	B9	GC	3230	P -64 192
17		7.7T	38 34.062	0.0010	13	-62 54 36.98	-0.007	11	0.59	34.017	19	05.0	36.67	19	01.9	K0	GC	3234	P -63 175
18		7.3T	38 41.642	0.0058	09	-67 10 15.72	-0.016	07	0.52	41.304	19	91.5	14.74	17	89.9	K0	GC	3236	P -67 173
19	10.3	9.4W	38 47.972	0.0032	09	-61 33 55.77	-0.213	09	0.15	47.959	14	45.9	54.90	14	45.9	K2	GC	531	P -61 218
20	9.1	7.9W	38 48.342	0.0055	06	-62 22 0.65	0.037	06	0.14	48.319	14	45.9	0.80	14	45.9	K0	GC	532	P -62 216
21		4.3H	38 48.796	0.0171	02	-68 28 50.95	0.009	02	0.11	48.166	06	13.1	51.28	05	12.9	B9	MA	95	P -68 161
22		7.6T	38 53.530	0.0103	10	-66 19 52.75	-0.064	09	0.53	53.001	19	98.5	49.25	19	95.4	F8	GC	3241	P -66 155
23	9.8	9.8W	39 3.191	-0.0019	11	-62 5 58.94	-0.011	11	0.15	3.199	14	45.9	58.90	14	45.9	F0	GC	533	P* -62 217
24	10.4	9.8W	39 33.255	0.0011	13	-60 57 34.50	0.053	13	0.15	33.251	14	45.9	34.72	14	45.9	F5	GC	534	P -61 219
25		8.3	39 56.546	-0.0001	25	-69 17 46.77	-0.029	36	1.66	56.552	36	98.1	45.26	45	98.1		MA	568	P -69 137
26		6.7T	39 59.798	0.0122	10	-69 26 46.85	-0.035	09	0.57	59.140	21	96.3	44.81	18	91.7	G0	GC	3262	P -69 138
27		9.3T	40 15.530	0.0074	17	-60 11 54.02	0.000	18	0.75	15.223	19	08.6	54.04	19	09.1	G0	GC	3267	P -60 208
28	10.2	9.6W	40 44.475	0.0042	12	-62 38 1.67	0.004	12	0.15	44.457	14	45.9	1.69	14	45.9	K0	GC	536	P -62 218
29	9.4	8.7W	40 50.205	0.0057	06	-60 16 36.63	0.020	06	0.14	50.182	14	45.9	36.71	14	45.9	K0	GC	538	P -60 209
30		8.7	41 22.984	0.0018	25	-66 18 19.01	-0.060	36	1.60	22.897	53	01.9	16.15	63	01.9		MA	571	F -66 156
31		7.4T	42 27.667	-0.0025	13	-63 7 47.35	-0.052	09	0.59	27.783	21	03.7	44.63	18	98.2	G0	GC	3312	P -63 179
32		6.3T	42 33.833	0.0190	06	-66 55 27.66	-0.066	04	0.24	33.044	09	08.4	24.57	09	03.3	F8	GC	3313	P* -67 181
33	9.6	9.3W	42 37.672	0.0103	11	-63 41 53.96	0.093	11	0.15	37.636	14	46.5	54.28	14	46.5	F8	GC	544	P -64 195
34		6.7T	42 45.979	-0.0028	07	-69 22 17.46	0.067	06	0.32	46.105	14	05.8	20.71	12	01.4	K0	GC	3317	P -69 142
35	10.2	9.8W	42 50.162	0.0485	06	-60 15 59.94	-0.005	06	0.14	49.992	14	46.5	59.92	14	46.5	G0	GC	545	P -60 210
36		8.8T	42 53.462	0.0146	11	-67 29 40.31	0.071	11	0.61	52.697	19	97.6	44.01	19	97.7	F5	GC	3319	P -67 182
37	10.5	9.6W	43 5.858	0.0001	07	-63 5 3.23	-0.011	07	0.14	5.858	14	46.5	3.19	14	46.5	K0	GC	546	P -63 180
38		8.5	43 19.091	-0.0191	25	-68 21 29.44	-0.083	36	1.77	20.123	53	96.0	24.95	63	96.0		MA	581	P -68 167
39	9.9	8.9W	43 44.866	-0.0006	06	-62 55 1.27	-0.022	06	0.14	44.868	14	46.5	1.19	14	46.5	K0	GC	549	P -63 181
40	10.4	10.0W	43 57.334	0.0017	11	-62 30 19.18	-0.024	11	0.15	57.328	14	46.5	19.09	14	46.5	G0	GC	551	P -62 223
41	9.7	9.6W	44 2.013	0.0063	13	-61 17 57.86	0.016	13	0.15	1.991	14	46.5	57.92	14	46.5	F2	GC	552	P -61 224
42		5.7T	44 23.157	0.0036	07	-63 54 49.81	-0.005	06	0.29	23.010	12	08.9	49.60	12	05.5	K0	GC	3346	P -64 196
43	8.5	7.1W	44 41.684	-0.0013	06	-62 55 59.29	-0.027	06	0.14	41.688	14	46.5	59.19	14	46.5	K0	GC	555	P -63 183
44		4.9T	44 45.930	0.0125	04	-67 49 35.41	0.043	04	0.22	45.356	10	04.2	37.59	10	99.8	A2	MA	3354	P* -68 169
45		8.4	44 48.353	0.0099	25	-69 23 39.52	-0.067	36	1.63	47.868	53	01.0	36.24	63	01.0		MA	585	P -69 147
46		8.9	44 56.140	0.0006	25	-64 36 22.41	-0.045	36	1.73	56.111	45	96.2	19.97	53	96.2		MA	584	P -64 197
47		8.5	45 2.812	-0.0222	25	-67 34 39.99	-0.021	36	1.57	3.856	53	02.9	39.02	63	02.9		MA	586	P -67 185
48	10.0	9.7W	45 21.565	0.0007	07	-60 28 42.13	-0.059	07	0.14	21.562	14	46.5	41.92	14	46.5	F5	GC	558	P -60 215
49	9.0	8.6W	45 35.938	-0.0012	06	-60 21 25.76	-0.069	06	0.14	35.942	14	46.5	25.52	14	46.5	F5	GC	561	P -60 217
50		7.8	46 14.739	0.0029	25	-67 29 8.22	0.000	36	1.42	14.617	53	08.0	8.23	63	08.0		MA	590	P -67 188
51		9.1	2 46 38.806	0.0015	25	-64 34 23.27	-0.040	36	1.40	38.743	53	08.9	21.61	63	08.9		MA	591	P -64 200
52		8.2T	46 55.742	-0.0093	18	-63 10 12.41	-0.095	12	0.71	56.138	22	07.5	8.05	19	03.9	F5	GC	3384	P -63 185
53	9.9	9.3W	47 3.281	0.0035	11	-63 16 45.94	-0.016	11	0.15	3.268	14	46.5	45.99	14	46.5	G5	O GC	565	P -63 186
54	10.1	9.2W	47 4.625	-0.0038	12	-63 27 18.32	-0.066	12	0.15	4.638	14	46.5	18.09	14	46.5	G5	O GC	566	P -63 187
55	10.5	9.1W	47 11.725	-0.0014	09	-60 37 18.57	0.015	09	0.14	11.730	14	46.5	18.62	14	46.5	K5	GC	567	P -60 219
56		5.4T	47 54.688	0.0138	07	-63 0 48.77	0.032	06	0.32	54.081	14	06.0	50.31	12	01.0	A0	GC	3412	P* -63 188
57		8.5	47 58.068	-0.0012	25	-65 26 44.89	-0.010	36	1.65	58.129	53	99.9	44.36	63	99.9		MA	596	P -65 198
58	10.3	10.3W	48 51.579	0.0054	09	-62 24 43.74	0.016	09	0.14	51.560	14	46.5	43.80	14	46.5	F5	GC	574	P -62 233
59	9.9	9.8W	49 4.876	0.0045	09	-62 24 43.15	0.015	09	0.14	4.860	14	46.5	43.20	14	46.5	F2	GC	575	P -62 234
60	10.2	9.8W	49 14.975	0.0134	12	-62 38 53.94	-0.014	12	0.15	14.928	14	46.5	53.89	14	46.5	G0	O GC	576	P -62 235
61	9.5	9.2W	49 51.232	0.0061	07	-61 6 9.33	0.026	07	0.14	51.211	14	46.5	9.42	14	46.5	F5	GC	578	P -61 232
62	10.2	10.1W	50 7.802	0.0006	12	-62 26 14.77	-0.020	12	0.15	7.800	14	46.5	14.70	14	46.5	G0	GC	580	P -62 236
63		6.7T	50 8.467	0.0041	10	-67 43 38.47	-0.003	07	0.53	8.244	21	95.8	38.32	18	90.1	K0	GC	3450	P -68 172
64	9.5	9.5W	50 15.585	0.0021	12	-63 3 37.23	-0.010	12	0.15	15.578	14	46.5	37.19	14	46.5	F2	O GC	581	P -63 193
65	9.8	9.3W	50 31.401	0.0196	09	-60 27 38.11	0.089	09	0.14	31.332	14	46.5	38.42	14	46.5	F8	GC	582	P -60 224
66	10.0	9.0W	50 31.914	-0.0010	12	-62 35 51.32	0.020	12	0.15	31.918	14	46.5	51.39	14	46.5	K0	GC	583	P -62 237
67		6.7T	50 33.913	-0.0016	08	-63 44 41.83	-0.036	08	0.46	33.997	19	98.1	39.86	18	94.9	K0	GC	3460	P -64 203
68		8.5	50 36.275	-0.0031	25	-69 23 23.34	-0.009	36	1.39	36.404	53	08.6	22.97	53	08.7		MA	604	P -69 157
69	9.4	8.8W	50 42.701	0.0204	07	-61 49 26.69	0.117	07	0.14	42.629	14	46.5	27.10	14	46.5	K0	GC	585	P -62 238
70	10.7	10.0W	50 46.467	-0.0006	07	-61 54 16.66	0.011	07	0.14	46.469	14	46.5	16.75	14	46.5	G5	O GC	587	P -62 239
71		8.7T	51 4.851	0.0074	15	-64 13 28.87	0.003	16	0.68	4.544	21	08.3	29.00	21	08.4	F5	GC	3472	P -64 204
72	8.9	8.2W	51 11.605	0.0037	06	-60 8 1.89	-0.135	06	0.14	11.592	14	46.5	1.42	14	46.5	F8	GC	753	P* -60 226
73		6.1T	51 14.328	0.0108	08	-63 6 48.79	0.005	07	0.46	13.738	18	95.3	49.15	17	93.2	K0	GC	3478	P -63 197
74	10.6	9.2W	51 36.738	0.0049	07	-60 40 58.41	-0.004	07	0.14	36.721	14	46.5	58.42	14	46.5	K5	O GC	591	P -60 227
75		8.0	51 37.582	0.0028	25	-67 30 39.62	-0.011	36	1.65	37.441	53	99.9	39.09	63	99.9		MA	609	F -67 192
76		6.6T	52 1.619	0.0012	10	-65 39 30.70	-0.023	07	0.49	1.563	21	00.9	29.44	17	96.0	K0	GC	3489	P -65 201
77		8.7	52 35.712	0.0015	25	-64 32 34.68	-0.003	36	1.81	35.627	53	94.6	34.49	63	94.6		MA	613	P -64 205
78	9.8	9.6W	53 2.045	0.0013	07	-61 20 20.28	-0.046	07	0.14	2.041	14	46.5	20.12	14	46.5	F0	GC	592	P -61 233
79		7.5T	53 4.956	0.0175	11	-65 6 12.27	0.069	09	0.51	4.128	18	02.6	15.87	18	98.2	F5	GC	3519	P -65 203
80		8.8T	53 20.264	0.0061	18	-63 12 28.80	-0.025	13	0.73	20.005	22	07.4	27.67	19	05.4	F5	GC	3526	P -63 198
81		6.5T	53 23.686	0.0018	10	-64 38 15.50	-0.001	10	0.53	23.599	19	02.8	15.43	18	99.6	K0	GC	3528	F -64 206
82		6.6T	53 47.856	0.0203	11	-64 12 19.15	0.100	08	0.51	46.865	21	01.1	24.40	17	97.6	G5	GC	3533	F -64 207
83		9.1	53 53.849	0.0269	25	-69 26 6.97	-0.056	36	1.65	52.504	53	00.0	4.16	63	00.0		MA	622	F -69 160
84		8.7T	53 56.173	-0.0027	17	-64 14 41.76	0.000	12	0.69	56.291	22	06.7	41.77	19	02.6	F2	GC	3537	F -64 208
85		9.3	54 5.065	-0.0002	25	-66 24 15.90	-0.057	36	1.55	5.074	45	03.2	13.26	63	03.3		MA	621	F -66 162
86	10.0		54 34.678	0.0051	07	-60 48 39.66	0.045	07	0.14	34.661	14	46.5	39.82	14	46.5	F8	CO	597	P -61 234
87		8.2T	54 35.014	0.0031	16	-61 39 50.56	0.006	11	0.61	34.887	18	08.8	50.84	17	06.5	K0	GC	3548	P -61 235
88	8.6	8.6W	55 14.995	0.0024	06	-64 2 13.40	-0.004	06	0.14	14.987	14	46.5	13.38	14	46.5	A2	CO	602	F -64 210
89	9.7	8.7W	55 43.189	-0.0006	06	-60 47 47.64	-0.034	06	0.14	43.191	14	46.5	47.52	14	46.5	K0	CO	605	P -61 237
90	9.4	8.4W	55 50.712	0.0036	07	-62 0 44.09	-0.026	07	0.14	50.699	14	46.5	44.00	14	46.5	K0	CO	606	F -62 243
91		8.3	55 58.297	-0.0051	25	-67 26 47.99	0.000	36	1.72	58.565	53	97.7	48.01	63	97.7		MA	629	P -67 194
92		7.3T	55 59.357	0.0003	12	-63 14 5.63	0.010	09	0.55	59.343	21	03.0	6.14	18	01.4	F8	GC	3576	F -63 201
93	9.5	8.3W	56 8.668	0.0034	06	-64 3 22.71	-0.008	06	0.14	8.656	14	46.5	22.68	14	46.5	K0	GC	608	F -64 213
94		8.4T	56 22.025	0.0097	12	-69 5 6.53	0.080	12	0.65	21.519	21	98.1	10.80	19	96.6	A3	GC	3585	F -69 162
95	10.0	9.8W	56 29.629	0.0078	06	-60 13 25.16	0.018	06	0.14	29.602	14	46.5	25.22	14	46.5	G0	GC	609	F -60 231
96	10.2	9.1W	56 59.087	0.0026	09	-62 51 55.79	-0.000	09	0.14	59.078	14	46.5	55.79	14	46.5	K0	CO	610	P -63 202
97	9.7	8.9W	57 18.904	0.0013	12	-61 59 34.60	-0.029	12	0.15	18.899	14	46.5	34.50	14	46.5	G5	CO	612	F -62 245
98	9.6	9.9W	57 24.109	-0.0024	07	-62 48 8.42	-0.008	07	0.14	24.118	14	46.5	8.39	14	46.5	B9	CO	613	P -63 203
99		9.2	57 34.706	0.0048	25	-66 16 48.23	-0.063	36	1.79	34.446	53	95.3	44.77	63	95.3		MA	632	F -66 165
00	9.7	9.4W	57 50.268	0.0028	06	-62 40 31.66	0.039	06	0.14	50.258	14	46.5	31.79	14	46.5	F9	O CO	614	F -62 246

248700 — EPOCH 1950 — ORIGINAL EPOCH — -60° 2H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1		5.1T	2 57 50.778	0.0032	06	-64 16 10.54	0.016	05	0.25	50.647	09	08.9	11.25	09	06.2	A5		GC	3611	P*-64 215
2		8.8T	57 55.073	-0.0010	13	-62 39 23.81	-0.013	11	0.61	55.119	21	04.3	23.18	19	03.4	A3		GC	3613	P -62 247
3		9.1	58 7.811	-0.0001	25	-68 20 32.99	-0.018	36	1.72	7.816	45	96.7	32.03	53	96.7			M4	637	P -68 183
4	10.4	9.0W	58 13.669	0.0004	09	-62 31 10.96	-0.020	09	0.14	13.668	14	46.5	10.89	14	46.5	K6	○	CO	617	P -62 248
5		7.3T	58 43.769	0.0060	10	-63 49 34.08	0.005	08	0.51	43.463	19	98.8	34.37	17	93.9	K0		GC	3628	P -64 216
6		7.8T	58 57.799	0.0037	12	-60 1 0.94	0.021	08	0.47	57.641	17	07.5	1.93	15	04.0	G5		GC	3630	P -60 232
7	10.3	9.7W	59 0.996	0.0027	09	-63 48 11.30	-0.006	09	0.14	0.986	14	46.5	11.28	14	46.5	G5	○	CO	621	P -64 218
8	10.2	9.2W	59 24.545	0.0055	09	-63 42 44.84	0.011	09	0.14	24.526	14	46.5	44.88	14	46.5	K0		CO	622	P -64 219
9	9.1	8.2W	3 0 27.929	0.0007	06	-63 41 33.34	0.015	06	0.14	27.926	14	47.0	33.38	14	47.0	K0		CO	625	P -63 204
10	10.2	9.3W	0 32.857	0.0029	09	-62 38 36.63	-0.011	09	0.14	32.848	14	47.0	36.59	14	47.0	K0		CO	626	P -62 250
11		7.8T	1 26.920	0.0148	12	-69 52 46.67	0.003	12	0.66	26.163	21	98.9	46.83	19	96.4	K0		GC	3670	P -70 201
12	8.0	8.1W	1 33.779	0.0009	06	-64 3 52.31	0.026	06	0.14	33.777	14	47.0	52.39	14	47.0	A2		CO	628	P -64 220
13	8.4	8.3W	1 45.702	0.0031	06	-60 11 40.73	0.030	06	0.14	45.692	14	47.0	40.82	14	47.0	F5		CO	629	P -60 234
14		7.2T	1 47.724	0.0035	08	-60 59 34.37	0.000	08	0.48	47.537	17	96.6	34.40	17	89.6	K0		GC	3675	P -61 241
15	9.8	9.4W	2 15.146	0.0093	07	-63 11 17.46	0.045	07	0.14	15.118	14	47.0	17.59	14	47.0	G0		CO	635	P -63 206
16		8.5	2 23.610	0.0038	25	-66 36 49.25	-0.013	36	1.76	23.407	53	96.0	48.53	53	96.0			M4	646	P -66 168
17	8.7	8.7W	2 26.405	-0.0005	07	-63 34 8.78	-0.033	07	0.14	26.406	14	47.0	8.69	14	47.0	F0		CO	636	P -63 207
18		7.7T	2 41.902	0.0044	09	-61 2 6.24	0.013	07	0.45	41.680	18	99.6	6.99	15	94.2	K0		GC	3698	P -61 244
19		9.1	2 42.960	0.0009	25	-69 20 6.18	0.046	36	1.65	42.916	53	00.0	8.48	63	00.0			M4	648	P -69 168
20		8.9T	2 51.030	-0.0019	12	-65 1 1.63	-0.013	11	0.56	51.118	18	03.8	1.04	18	02.8	F0		GC	3701	P -65 210
21	8.3	8.1W	2 52.869	0.0020	06	-60 9 41.90	-0.054	06	0.14	52.862	14	46.7	41.72	14	46.7	F2		CO	796	P -60 237
22		7.9T	3 1.407	0.0026	14	-61 14 25.14	0.050	10	0.59	1.293	21	06.2	27.63	18	00.6	F2		GC	3703	P -61 245
23	9.8	9.8W	3 11.515	-0.0017	06	-61 41 36.82	-0.071	06	0.14	11.519	14	47.0	36.60	14	47.0	F5		CO	640	P -61 246
24		8.2T	3 23.642	0.0017	14	-65 21 26.01	-0.009	12	0.65	23.564	21	04.1	25.60	21	02.2	K2		GC	3708	P -65 211
25		7.2T	3 33.878	0.0048	13	-60 23 22.89	-0.013	11	0.61	33.656	19	03.9	22.25	18	98.9	K0		GC	3710	P -60 238
26		7.9	4 1.201	-0.0052	25	-65 22 43.07	0.028	36	1.40	1.414	53	09.0	44.20	63	09.0			M4	655	P -65 215
27		8.8	4 12.187	0.0108	25	-68 3 47.59	-0.042	36	1.74	11.613	53	97.0	45.39	63	97.0			M4	658	P -68 186
28	10.5	9.7W	4 23.568	-0.0042	09	-60 41 48.95	0.026	09	0.14	23.581	14	47.0	49.03	14	47.0	G8	○	CO	646	P -60 239
29	9.6	9.2W	4 29.802	0.0006	07	-62 10 38.47	0.011	07	0.14	29.800	14	47.0	38.50	14	47.0	G2	○	CO	647	P -62 253
30	9.7	9.0W	4 42.289	0.0029	06	-62 15 29.62	-0.006	06	0.14	42.280	14	47.0	29.60	14	47.0	G5		CO	648	P -62 254
31	10.1	9.8W	5 9.141	0.0077	14	-63 3 54.79	0.003	14	0.15	9.118	14	47.0	54.79	14	47.0	F8		CO	650	P -63 210
32	9.2	8.2W	5 29.863	0.0034	06	-60 18 8.03	-0.003	06	0.14	29.853	14	47.0	8.02	14	47.0	K0		CO	652	P -60 241
33	10.9	10.0W	5 37.209	0.0041	07	-63 56 15.40	-0.006	07	0.14	37.197	14	47.0	15.38	14	47.0	G8	○	CO	653	P -64 224
34	9.5	9.5W	6 1.911	0.0013	06	-63 54 27.24	0.014	06	0.14	1.907	14	47.0	27.29	14	47.0	F8		CO	654	P -64 225
35	8.7	8.6W	6 23.960	-0.0034	07	-62 22 28.61	-0.035	07	0.14	23.970	14	47.0	28.50	14	47.0	F5		CO	655	P -62 256
36		7.3T	6 36.311	0.0162	12	-61 54 28.16	0.108	10	0.57	35.576	19	04.6	33.57	18	00.1	G5		GC	3763	P -62 257
37		7.2T	6 48.521	0.0014	12	-62 2 43.02	-0.001	10	0.61	48.453	21	01.5	42.99	19	98.4	G0		GC	3772	P -62 258
38		8.6	6 55.091	-0.0042	25	-68 38 35.23	0.004	36	1.72	55.309	53	97.7	35.45	63	97.7			M4	669	P -68 191
39		8.0T	7 0.359	0.0024	13	-66 6 38.37	0.003	12	0.65	0.246	21	02.5	38.52	19	99.6	F0		GC	3774	P -66 170
40		7.3T	7 3.207	0.0014	08	-61 20 26.90	0.007	06	0.42	3.136	17	99.5	27.32	15	93.5	K0		GC	3776	P -61 247
41	9.9	9.2W	7 24.512	0.0043	07	-61 57 46.05	0.018	07	0.14	24.500	14	47.0	46.10	14	47.0	K0		CO	660	P -62 259
42		6.0T	7 25.250	-0.0039	08	-69 27 20.59	-0.014	07	0.51	25.483	19	90.8	19.68	18	84.9	G5		GC	3782	P -69 174
43	8.2	8.3W	7 35.010	0.0030	08	-60 40 0.40	0.007	08	0.14	35.001	14	47.0	0.42	14	47.0	A0		CO	661	P -60 243
44		6.9T	7 59.301	0.0131	14	-64 45 21.51	0.077	10	0.63	58.679	19	02.7	25.57	18	97.2	A5		GC	3790	P*-65 219
45		9.3	8 28.712	-0.0082	25	-67 59 24.02	-0.009	36	1.51	29.079	53	05.0	23.64	63	05.0			M4	678	P -68 194
46		8.1	8 35.131	0.0058	25	-65 2 38.66	-0.064	36	1.40	34.894	53	09.0	36.05	63	09.0			M4	677	P -65 221
47		8.6T	9 10.029	-0.0006	10	-62 32 40.74	-0.122	11	0.53	10.058	21	01.6	34.86	19	02.0	G0		GC	3817	P -62 260
48		6.7T	9 10.223	0.0074	10	-64 6 8.26	0.010	09	0.46	9.900	17	06.2	8.75	17	01..	A2		GC	3818K	P -64 229
49		8.9	9 13.410	-0.0092	25	-66 33 54.79	-0.042	36	1.80	13.919	53	95.0	52.46	63	95.0			M4	680	P -66 174
50	8.3	8.3W	9 27.022	-0.0023	14	-63 26 31.13	-0.013	14	0.15	27.028	14	47.0	31.09	14	47.0	F0		CO	665	P -63 212
51		9.3	3 9 49.937	-0.0212	33	-66 41 14.02	-0.048	43	2.25	51.128	75	93.9	11.30	57	93.9			M3	439	
52		8.3T	9 51.152	0.0003	14	-67 41 38.25	-0.002	11	0.68	51.136	22	01.3	38.17	18	97.9	B9		GC	3828	P -67 211
53	10.5	9.9W	10 16.709	-0.0003	09	-61 56 8.62	-0.038	09	0.14	16.710	14	47.0	8.50	14	47.0	G5	○	CO	667	P -62 261
54	9.4	9.2W	11 14.470	-0.0006	06	-60 2 22.59	-0.021	06	0.14	14.472	14	46.7	22.52	14	46.7	F2		CO	825	P -60 244
55	9.2	8.9W	11 15.767	-0.0012	07	-62 28 26.30	-0.030	07	0.14	15.770	14	47.0	26.20	14	47.0	F8		CO	669	P -62 262
56		8.8	12 22.879	0.0028	25	-68 30 19.88	0.003	36	1.77	22.726	53	96.0	20.04	63	96.0			M4	688	P -68 198
57		8.9	12 49.605	0.0058	25	-69 12 1.63	0.011	36	1.50	49.344	53	05.3	2.12	63	05.3			M4	693	P -69 180
58		8.6T	12 59.780	-0.0055	13	-66 0 54.69	-0.044	12	0.66	+ 0.050	21	01.1	52.39	19	98.1	F8		GC	3890K	P -66 180
59	9.8	9.4W	13 16.098	-0.0009	07	-60 40 23.41	-0.030	07	0.14	16.101	14	47.0	23.33	14	47.0	F8		CO	671	P -60 245
60		8.7	13 33.659	0.0018	25	-66 50 24.64	0.027	36	1.42	33.585	53	08.0	25.76	63	08.0			M4	695	P -67 215
61	8.3	8.2W	13 50.538	0.0088	05	-60 49 13.48	0.050	05	0.14	50.511	14	47.0	13.63	14	47.0	F2		CO	673	P -61 249
62		8.8T	14 6.057	0.0026	17	-61 33 36.64	-0.007	18	0.72	5.954	19	10.2	36.38	18	11.3	K0		GC	3916	P -61 250
63		8.8	14 7.067	0.0028	25	-67 4 10.85	-0.024	36	1.54	6.940	53	04.0	9.72	63	04.0			M4	697	P -67 216
64		6.8T	14 22.909	-0.0042	08	-64 37 36.79	-0.056	06	0.41	23.124	17	98.2	33.49	14	91.4	F5		GC	3922K	P*-64 235
65		7.4T	14 40.977	0.0012	10	-69 57 59.2?	0.014	11	0.59	40.915	19	98.6	+ 0.02	19	96.7	K0		GC	3930	P*-70 217
66	10.1	9.4W	14 54.288	-0.0067	12	-63 10 7.61	-0.038	12	0.14	54.308	14	47.0	7.49	14	47.0	K0		CO	676	P -63 214
67	8.9	8.8W	15 22.888	0.0032	12	-63 27 48.87	0.009	12	0.14	22.878	14	47.0	48.90	14	47.0	F5		CO	677	P -63 215
68	8.5	7.6W	16 7.489	0.0110	14	-63 30 51.50	0.094	14	0.15	7.457	14	47.0	51.79	14	47.0	G5		CO	678	P -63 216
69		9.2	16 23.879	0.0078	25	-66 43 22.55	-0.059	36	1.80	23.452	53	95.0	19.28	63	95.0			M4	704	P -66 183
70		5.5T	16 40.785	0.1946	06	-62 45 57.85	0.661	05	0.27	32.576	12	07.8	+28.87	12	03.1	G0		GC	3966	P*-63 217
71	8.5	8.1W	16 48.175	-0.0146	06	-63 15 27.88	-0.062	06	0.14	48.218	14	47.0	27.69	14	47.0	F8		CO	682	P -63 219
72	9.7	8.3W	16 51.243	0.0039	08	-61 13 20.36	-0.012	08	0.14	51.231	14	47.0	20.33	14	47.0	K5		CO	683	P -61 251
73	10.4	10.1W	16 55.804	0.0023	12	-63 59 23.75	0.011	12	0.14	55.797	14	47.0	23.79	14	47.0	G5		CO	684	P -64 237
74		5.2T	17 7.399	0.1936	07	-62 41 47.77	0.658	07	0.31	-59.523	14	09.3	+15.78	12	07.4	G0		GC	3975	P*-62 265
75		8.3T	17 17.644	-0.0008	11	-68 20 29.90	0.011	11	0.61	17.682	19	99.3	30.52	19	96.2	F5		GC	3980	P -68 203
76		6.1T	17 24.662	0.0118	08	-67 6 29.61	0.012	07	0.51	23.943	19	88.9	30.37	18	84.5	A2		GC	3984	P -67 217
77	10.2	9.9W	17 45.205	-0.0010	11	-62 46 18.40	-0.036	11	0.14	45.208	14	47.0	18.30	14	47.0	G0	○	CO	686	P -63 220
78		7.7T	18 21.014	-0.0003	11	-66 4 3.06	-0.070	09	0.60	21.031	19	96.5	-59.07	17	93.1	F5		GC	4008	P -66 184
79		7.6T	18 29.746	-0.0059	12	-65 54 29.35	0.014	11	0.66	30.052	21	98.5	30.14	19	93.4	A2		GC	4011	P -66 185
80		7.8T	19 0.686	-0.0000	12	-60 40 29.36	0.019	11	0.50	0.686	17	08.3	30.21	17	06.2	G5		GC	4014	P -60 248
81	10.0	10.2W	19 13.806	0.0024	12	-62 58 2.84	-0.015	12	0.14	13.798	14	47.0	2.80	14	47.0	B8		CO	688	P -63 221
82		7.2	19 54.999	0.0018	25	-65 57 56.12	0.086	36	1.83	54.901	53	94.0	+ 0.93	63	94.0			M4	716	P -66 188
83		7.8T	20 14.880	0.0039	16	-62 15 10.73	-0.002	13	0.71	14.705	21	05.1	10.85	19	01.3	K0		GC	4032	P -62 268
84		7.8T	20 25.652	-0.0064	13	-61 39 56.90	-0.069	10	0.53	25.913	18	09.2	53.95	17	07.5	F8		GC	4036	P -61 253
85		7.1T	20 39.402	0.0183	12	-68 42 46.70	0.066	11	0.61	38.471	22	99.2	50.12	19	98.1	A3		GC	4040	P -68 206
86	9.9	8.9W	20 59.269	-0.0006	07	-61 10 6.17	0.019	07	0.14	59.271	14	47.0	6.23	14	47.0	K0		CO	696	P -61 255
87	10.2	9.3W	21 20.034	0.0018	06	-62 51 22.94	0.020	06	0.14	20.028	14	47.0	23.00	14	47.0	K2		CO	697	P -63 223
88	9.7	8.9W	21 26.707	0.0003	12	-63 44 6.05	0.013	12	0.14	26.707	14	47.0	6.09	14	47.0	G5		CO	699	P -64 239
89		7.7	21 48.144	0.0048	25	-65 57 33.52	-0.023	36	1.49	47.927	45	04.5	32.47	53	04.5			M4	722	P -66 189
90		9.0	21 56.097	0.0008	33	-67 41 42.16	0.040	43	2.31	56.050	63	92.0	44.51	57	92.0			M3	461	
91	10.2	10.1W	22 14.470	0.0008	07	-62 32 4.92	0.025	07	0.14	14.468	14	47.0	4.99	14	47.0	F5	○	CO	700	P -62 270
92		9.3	22 25.360	0.0039	25	-67 21 10.05	0.017	36	1.71	25.155	45	97.2	10.96	53	97.2			M4	723	P -67 222
93		8.7	22 51.732	-0.0032	25	-68 56 15.66	-0.060	36	1.75	51.900	53	96.7	12.46	63	96.7			M4	728	P -69 189
94		8.8	23 17.117	0.0018	25	-67 5 24.94	0.001	36	1.65	17.029	53	00.0	24.97	63	00.0			M4	730	P -67 223
95	10.4	9.3W	23 25.529	-0.0008	07	-60 1 25.08	-0.017	07	0.14	25.532	14	46.7	25.02	14	46.7	G8	○	CO	867	P -60 252
96	9.5	9.2W	23 35.706	0.0120	06	-62 0 4.13	0.057	06	0.14	35.670	14	47.0	4.30	14	47.0	F5		CO	706	P -62 271
97		6.2T	23 48.960	0.0062	06	-69 48 0.85	0.017	05	0.27	48.693	12	07.0	1.68	12	00.8	A3		GC	4093	P -70 230
98	10.0	9.0W	23 51.723	0.0015	06	-63 12 47.83	-0.011	06	0.14	51.718	14	47.0	47.79	14	47.0	K0		CO	707	P -63 224
99		8.1T	24 1.993	-0.0022	18	-62 44 17.00	-0.010	12	0.71	2.089	21	06.5	16.55	19	02.9	A3		GC	4098	P -63 225
00	10.4	10.1W	24 20.535	0.0020	09	-63 13 32.63	0.021	09	0.14	20.528	14	47.0	32.69	14	47.0	G0		CO	710	P -63 226

248800

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 3H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.4	3 24 27.563	0.0068	25	-65 10 50.37	-0.056	36	1.77	27.196	53	96.0	47.37	63	96.0		M4	732	P -65 237
2		8.1	24 29.945	0.0058	25	-68 30 36.26	0.011	36	1.43	29.699	53	07.7	36.73	63	07.7		M4	733	P -68 210
3	10.4	9.9W	25 14.651	0.0147	09	-63 45 36.31	0.024	09	0.14	14.606	14	47.0	36.39	14	47.0	G5 O	CO	714	P -64 243
4		6.0T	25 21.604	-0.0010	07	-69 30 40.55	0.063	05	0.28	21.545	09	08.6	43.40	10	04.7	F2	GC	4124	P -69 192
5		8.3	25 29.398	0.0128	25	-66 39 34.89	0.075	36	1.80	28.697	53	95.0	39.00	63	95.0		M4	738	P -66 192
6	11.0		25 45.746	0.0024	09	-63 13 39.43	-0.011	09	0.14	45.738	14	47.0	39.39	14	47.0	K0 O	CO	716	P -63 229
7	8.5	8.6W	25 51.723	0.0015	06	-62 59 52.80	-0.002	06	0.14	51.718	14	47.0	52.80	14	47.0	A5	CO	717	P -63 230
8	9.1	8.1W	26 8.301	0.0547	06	-63 40 6.72	-0.246	06	0.14	8.136	14	47.0	5.98	14	47.0	K0	CO	718	P -63 231
9	10.0	9.7W	26 9.672	-0.0016	12	-63 40 39.86	0.010	12	0.14	9.677	14	47.0	39.89	14	47.0	F8 O	CO	719	P -63 232
10	8.1	8.0W	26 18.744	0.0075	06	-61 25 56.40	0.075	06	0.14	18.721	14	47.0	56.62	14	47.0	F2	CO	721	P -61 261
11		8.5	26 39.882	0.0105	25	-64 30 13.93	-0.005	36	1.83	39.293	53	94.0	13.63	63	94.0		M4	741	P -64 244
12		8.9T	27 13.525	0.0045	13	-64 24 47.60	0.095	11	0.60	13.320	21	04.1	52.03	19	03.5	F8	GC	4163	P -64 245
13	10.3	9.4W	27 32.525	0.0012	06	-61 18 10.84	-0.006	06	0.14	32.521	14	47.0	10.83	14	47.0	K2	CO	726	P -61 263
14		9.3	27 34.165	0.0108	25	-66 50 14.93	0.089	36	1.53	33.674	53	04.3	18.98	63	04.3		M4	746	P -67 231
15	9.3	8.3W	27 41.147	0.0021	06	-61 21 39.24	-0.007	06	0.14	41.141	14	47.0	39.22	14	47.0	G5	CO	728	P -61 264
16	10.8	9.3W	27 44.678	0.0020	09	-60 8 53.40	-0.026	09	0.14	44.672	14	47.0	53.32	14	47.0	MA	CO	729	P -60 253
17		9.3	28 4.326	-0.0011	25	-68 21 25.30	-0.010	36	1.63	4.380	53	01.0	24.80	63	01.0		M4	748	P -68 215
18	9.3	8.2W	28 13.320	0.0009	07	-64 7 57.23	-0.014	07	0.14	13.317	14	47.0	57.18	14	47.0	K0	CO	730	P -64 247
19		4.8M	28 29.944	0.0560	04	-63 6 47.95	0.376	03	0.13	28.097	07	17.0	39.69	06	18.8	F5	F4	126	P -63 234
20	10.0	9.3W	28 48.781	-0.0020	07	-63 45 57.15	-0.020	07	0.14	48.787	14	47.0	57.09	14	47.0	G5	CO	733	P -64 248
21		6.7T	29 58.813	0.0055	11	-62 10 38.64	0.018	09	0.54	58.543	19	00.9	39.61	18	97.3	G0	GC	4232	P -62 276
22		8.4T	30 3.784	0.0093	12	-65 9 21.58	-0.003	11	0.53	3.392	18	07.9	21.45	18	05.3	K0	GC	4234	P -65 246
23		8.8	30 10.057	-0.0040	25	-68 22 2.07	-0.024	36	1.77	10.271	53	96.0	0.78	63	96.0		M4	758	P -68 216
24		8.5	30 12.170	0.0109	25	-65 19 39.05	0.030	36	1.57	11.657	53	03.0	40.44	63	03.0		M4	755	P -65 247
25		5.8T	30 20.416	0.0021	05	-66 39 31.48	0.000	04	0.26	20.324	10	05.5	31.49	10	99.1	B8	GC	4238	P -66 195
26	10.2	9.7W	30 20.521	0.0120	09	-60 40 31.98	0.027	09	0.14	20.485	14	47.0	32.07	14	47.0	K0	CO	735	P -60 255
27		7.6T	30 22.758	0.0003	12	-60 1 33.12	-0.015	11	0.58	22.745	19	04.7	32.41	18	03.8	A2	GC	4239	P -60 254
28		8.6T	30 26.816	0.0012	13	-64 49 14.73	-0.023	12	0.62	26.762	21	04.5	13.65	21	03.1	G5	GC	4241	P+ -65 248
29		7.9	30 35.380	-0.0062	25	-66 27 37.93	-0.010	36	1.63	35.690	45	99.7	37.43	53	99.7		M4	760	P -66 196
30	9.3	9.2W	31 0.161	0.0002	06	-63 50 44.06	0.023	06	0.14	0.181	14	47.0	44.13	14	47.0	F0	CO	738	P -64 250
31		8.4	31 38.201	-0.0022	25	-65 34 55.06	-0.018	36	1.40	38.292	53	09.0	54.33	63	09.0		M4	763	P -65 250
32		7.5T	31 44.435	0.0187	12	-60 44 33.65	0.049	10	0.56	43.543	19	02.2	36.19	18	97.9	F5	GC	4259	P -61 265
33		7.2T	31 47.834	0.0008	12	-61 33 38.00	-0.055	11	0.56	47.797	19	05.6	35.42	18	03.4	G5	GC	4261	P -61 266
34		6.3T	31 54.103	0.0112	13	-61 11 4.81	0.054	10	0.58	53.587	19	03.8	7.60	18	98.0	G5	GC	4265	P -61 267
35		7.7T	32 16.928	0.0017	12	-66 53 47.50	0.018	12	0.65	16.844	19	00.0	48.47	18	96.6	A3	GC	4274	P -67 236
36		7.6T	32 35.754	-0.0089	12	-67 35 6.28	-0.064	11	0.64	36.212	19	98.3	2.81	19	95.8	F5	GC	4283	P -67 237
37	7.5	7.5W	32 44.257	0.0116	06	-62 48 28.70	0.077	06	0.14	44.222	14	47.0	28.94	14	47.0	F0	CO	745	P -63 236
38	8.4	7.5W	32 56.580	0.0056	06	-62 20 0.74	0.005	06	0.14	56.564	14	47.0	0.75	14	47.0	G5	CO	746	P -62 279
39	8.9	8.2W	33 3.220	0.0047	07	-60 18 26.16	0.001	07	0.14	3.206	14	47.0	26.16	14	47.0	G5	CO	747	P -60 258
40	10.2	9.0W	33 11.706	0.0012	12	-62 56 16.45	-0.005	12	0.14	11.702	14	47.0	16.44	14	47.0	K5	CO	749	P -63 237
41		7.0T	33 48.340	0.0079	13	-62 43 22.56	0.039	11	0.62	47.978	21	03.8	24.42	19	02.0	A2	GC	4301	P -62 280
42		6.8T	33 50.518	0.0075	07	-65 55 48.15	-0.009	06	0.35	50.126	15	97.6	48.63	12	99.2	A2	GC	4302	P -66 199
43	10.2	9.3W	33 51.127	-0.0050	07	-62 47 53.67	-0.043	07	0.14	51.142	14	47.0	53.54	14	47.0	K2	CO	752	P -63 239
44		7.9T	33 53.870	-0.0041	15	-64 32 32.43	-0.007	11	0.63	54.052	19	05.8	32.10	18	02.9	F0	GC	4303	P -65 251
45	10.2	9.4W	33 54.694	0.0142	12	-62 37 23.40	0.080	12	0.14	54.652	14	47.0	23.64	14	47.0	K2	CO	753	P -62 281
46	9.6	9.4W	34 40.521	-0.0031	14	-63 49 48.90	0.009	14	0.15	40.531	14	47.0	48.93	14	47.0	F0	CO	755	P -64 254
47	10.1	9.4W	34 40.752	0.0036	12	-62 37 20.79	0.017	12	0.14	40.742	14	47.0	20.84	14	47.0	G5	CO	756	P -62 283
48	10.8	9.6W	34 47.531	-0.0003	08	-62 47 46.55	-0.004	08	0.14	47.532	14	47.0	46.54	14	47.0	K1 O	CO	757	P -63 240
49		8.7	35 1.064	-0.0051	25	-68 32 52.86	-0.000	36	1.65	1.321	53	00.0	52.84	63	00.0		M4	776	P -68 223
50		7.5T	35 6.403	0.0060	11	-61 42 26.63	0.062	08	0.46	6.139	17	06.3	29.52	15	03.1	F0	GC	4325	P -61 269
51	10.6	9.3W	3 35 26.705	-0.0025	09	-61 39 19.15	-0.000	09	0.14	26.713	14	47.0	19.15	14	47.0	K5	CO	761	P -61 271
52		8.4	35 42.018	0.0049	25	-69 21 25.02	0.022	36	1.77	41.752	53	96.0	26.23	63	96.0		M4	777	P -69 202
53	9.6	9.4W	36 25.168	0.0075	11	-62 56 50.25	-0.005	11	0.15	25.142	14	46.5	50.23	14	46.5	G0	CO	763	P -63 241
54		7.9T	36 40.473	0.0013	14	-68 36 4.28	0.006	12	0.71	40.406	21	00.5	4.57	19	97.6	G5	GC	4349	P -68 224
55	10.4		36 42.792	0.0081	17	-60 52 9.68	-0.006	17	0.15	42.764	14	46.5	9.66	14	46.5	F5	CO	766	P -61 272
56		8.2	37 0.848	0.0048	25	-66 41 16.42	0.008	36	1.43	0.645	53	07.7	16.76	63	07.7		M4	781	P -66 200
57	9.4	9.1W	37 18.072	0.0052	06	-61 7 39.93	0.008	06	0.14	18.054	14	46.5	39.96	14	46.5	F5	CO	771	P -61 273
58	9.9	9.8W	37 34.621	-0.0003	14	-63 8 46.21	-0.023	14	0.15	34.622	14	46.5	46.13	14	46.5	F2	CO	775	P -63 246
59	9.8	9.7W	38 0.999	0.0047	14	-61 53 3.85	0.028	14	0.15	0.983	14	46.5	3.95	14	46.5	F2	CO	777	P -62 288
60	9.1	8.6W	38 24.582	0.0103	06	-60 14 26.15	0.147	06	0.14	24.546	14	46.5	26.66	14	46.5	G5	CO	778	P -60 264
61		8.1	39 19.701	-0.0075	25	-64 11 59.79	-0.023	36	1.45	19.377	53	07.0	58.82	63	07.0		M4	784	P -64 258
62		9.0	39 34.264	-0.0011	25	-67 23 27.02	-0.094	36	1.65	34.318	53	00.0	22.32	63	00.0		M4	786	P -67 246
63		8.2	39 51.831	-0.0032	25	-65 26 37.50	-0.060	36	1.80	52.006	53	95.0	34.77	63	95.0		M4	787	P -65 259
64		8.9	40 12.382	-0.0081	33	-68 1 40.17	0.024	43	2.32	12.854	75	92.0	41.56	57	92.0		M3	499	
65	9.7	8.8W	40 25.112	0.0003	07	-64 2 46.66	0.018	07	0.14	25.111	14	46.5	46.72	14	46.5	G5	CO	782	P -64 261
66	9.5	9.6W	40 51.965	-0.0002	06	-60 20 45.28	-0.006	06	0.14	51.966	14	46.5	45.26	14	46.5	A0	CO	784	P -60 265
67		8.8T	40 55.283	0.0027	13	-60 40 10.03	-0.010	11	0.58	55.164	19	05.4	9.56	18	04.3	F8	GC	4453	P -60 266
68		7.8T	41 2.640	0.0034	12	-66 38 10.22	-0.017	11	0.63	2.468	19	99.0	9.32	19	96.5	A2	GC	4456	P -66 203
69	9.0	8.0W	41 3.761	0.0015	06	-60 9 15.15	0.002	06	0.14	3.756	14	46.5	15.16	14	46.5	K0	CO	786	P -60 267
70		7.5T	41 54.725	0.0052	13	-64 21 11.86	0.030	11	0.59	54.494	21	05.8	13.31	19	02.4	K0	GC	4479	P -64 262
71		9.5	42 2.736	0.0009	25	-69 2 11.39	-0.000	36	1.76	2.690	45	96.0	11.37	63	96.0		M4	799	P -69 207
72		8.3	42 7.179	-0.0041	25	-67 26 19.07	-0.025	36	1.65	7.383	53	00.0	17.82	63	00.0		M4	798	P -67 251
73		7.8T	42 17.399	-0.0009	12	-61 39 57.11	0.024	10	0.52	17.437	17	05.9	58.21	15	03.5	A2	GC	4487	P -61 275
74		8.9T	42 24.028	0.0039	13	-63 36 20.14	0.007	12	0.63	23.842	21	02.6	20.51	19	00.9	G5	GC	4492	P -63 253
75		7.6T	42 39.739	-0.0033	13	-61 46 58.49	-0.028	12	0.63	39.894	21	03.8	57.03	18	98.6	G5	GC	4499	P -62 292
76	10.5	9.2W	43 14.422	0.0035	09	-63 40 59.33	-0.001	09	0.14	14.410	14	46.5	59.32	14	46.5	K5	CO	796	P -63 255
77		3.8M	43 33.963	0.0495	03	-64 57 50.21	0.078	02	0.10	32.334	06	17.1	52.82	05	16.6	K0	F4	141	P -65 263
78	9.8	9.5W	43 50.985	0.0145	09	-61 15 20.11	0.157	09	0.14	50.934	14	46.5	20.66	14	46.5	G0	CO	798	P -61 277
79		8.1	43 53.495	0.0068	25	-66 51 13.46	0.013	36	1.45	53.203	53	07.0	14.02	63	07.0		M4	808	P -67 253
80	9.9	9.0W	43 56.573	0.0025	07	-60 55 49.06	0.000	07	0.14	56.564	14	46.5	49.06	14	46.5	G5	CO	800	P -61 278
81		7.4T	44 27.321	-0.0008	14	-63 53 1.12	-0.041	11	0.62	27.355	21	06.3	-59.18	19	02.2	G5	GC	4540	P -64 269
82		9.7	45 11.140	0.0048	25	-68 31 3.06	-0.048	36	1.76	10.879	45	96.0	0.45	63	96.0		M4	817	P -68 237
83		8.3	45 29.684	0.0005	25	-64 13 55.81	0.024	36	1.77	29.655	45	95.0	57.16	53	95.0		M4	815	P -64 270
84	9.5	9.2W	45 32.427	-0.0014	07	-63 19 4.12	0.003	07	0.14	32.432	14	46.5	4.13	14	46.5	F5	CO	803	P -63 259
85	9.5	9.2W	45 44.400	-0.0015	09	-60 5 36.32	-0.044	09	0.14	44.405	14	46.5	36.16	14	46.5	G0	CO	804	P -60 269
86		7.8T	45 50.715	-0.0019	12	-66 39 25.89	-0.010	12	0.64	50.809	19	00.9	25.38	19	97.8	A3	GC	4575	P -66 215
87	9.7	9.0W	46 37.294	0.0027	06	-61 19 40.00	0.019	06	0.14	37.284	14	46.5	40.06	14	46.5	G5	CO	806	P -61 280
88		7.9	47 24.312	0.0537	25	-64 59 24.95	0.074	36	1.45	22.006	53	07.0	28.12	63	07.0		M4	823	P -65 272
89	9.5	8.5W	48 19.024	0.0027	06	-61 7 27.25	0.004	06	0.14	19.014	14	46.5	27.26	14	46.5	K0	CO	810	P -61 283
90	10.1	8.7W	48 33.048	0.0065	07	-60 16 13.30	-0.010	07	0.14	33.046	14	46.5	13.26	14	46.5	K5	CO	811	P -60 270
91		7.9T	49 35.659	0.0002	12	-60 34 39.85	0.001	10	0.52	35.647	18	06.0	39.88	17	03.8	M0	GC	4666	P -60 271
92	10.1	9.6W	49 51.967	0.0503	06	-64 13 12.78	0.155	06	0.14	51.791	14	46.5	13.32	14	46.5	G5	CO	815	P -64 277
93	9.4	8.3W	50 2.107	0.0014	05	-63 18 46.94	-0.031	05	0.14	2.102	14	46.5	46.83	14	46.5	K0	CO	816	P -63 267
94		8.0T	50 12.055	0.0025	13	-66 29 38.82	0.027	12	0.68	11.928	21	99.2	40.28	19	96.6	A5	GC	4674	P -66 223
95		8.3	50 18.960	0.0129	25	-69 13 42.67	0.015	36	1.77	18.265	53	96.0	41.95	63	96.0		M4	842	P -69 215
96	9.9	9.0W	50 19.798	-0.0006	07	-63 55 57.37	0.017	07	0.14	19.800	14	46.5	57.42	14	46.5	K0	CO	817	P -64 279
97		8.6	50 44.793	-0.0102	25	-65 26 17.58	-0.153	36	1.69	45.333	36	97.0	9.48	45	97.0		M4	843	P -65 279
98	8.3	8.0W	50 48.947	0.0009	06	-60 30 28.57	-0.030	06	0.14	48.944	14	46.5	28.46	14	46.5	F8	CO	818	P -60 272
99		8.5	52 13.092	0.0029	25	-69 27 0.06	-0.000	36	1.55	12.958	53	03.7	0.04	63	03.7		M4	850	P -69 216
00		9.3	52 16.234	0.0118	25	-66 58 20.83	0.000	36	1.79	15.590	53	95.4	20.84	63	95.4		M4	848	P -67 268

248900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_s s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 3H DM NUMBER
1	10.5	10.0W	3 53 7.941	0.0019	09	-60 40 1.80	-0.011	09	0.14	7.934	14	46.5	1.76	14	46.5	K0	C0	821	P -60 273
2		8.7	53 12.030	0.0008	25	-66 13 46.08	0.022	36	1.54	11.994	53	04.0	47.11	63	04.0		M4	854	P -66 229
3	10.7	9.9W	53 20.531	0.0026	09	-63 19 56.38	0.014	09	0.14	20.522	14	46.5	56.43	14	46.5	K5	C0	822	P -63 271
4		9.0	53 54.067	-0.0002	25	-67 34 7.48	-0.007	36	1.54	54.074	53	04.0	7.15	63	04.0		M4	858	P -67 271
5		8.3T	54 4.119	0.0042	13	-62 14 12.85	-0.022	11	0.59	3.927	21	03.8	11.81	19	03.3	K0	GC	4746	P -62 302
6		8.5	54 30.618	0.0018	25	-66 35 41.20	0.052	36	1.38	30.545	53	09.0	43.35	53	08.7		M4	860	P -66 232
7		7.6T	54 32.432	0.0100	12	-61 3 6.82	0.022	10	0.54	31.987	18	05.3	7.84	17	02.8	F5	GC	4760	P -61 284
8	8.8	8.9W	54 39.279	0.0009	07	-60 7 35.80	0.015	07	0.14	39.275	14	46.0	35.86	14	46.0	A2	C0	828	P -60 274
9	8.5	8.7W	54 50.058	0.0011	06	-60 55 39.47	-0.027	06	0.14	50.054	14	46.0	39.36	14	46.0	A3	C0	830	P -61 285
10		8.4T	55 11.216	0.0004	13	-60 44 12.66	0.001	12	0.61	11.199	21	04.1	12.69	19	02.2	K0	GC	4771	P -60 276
11		7.7T	55 18.728	0.0224	13	-65 19 55.53	0.056	12	0.58	17.749	18	06.3	58.10	18	04.2	F8	GC	4774	P -65 294
12		6.0T	55 24.724	0.0108	09	-63 36 28.43	0.050	07	0.43	24.240	18	05.2	31.19	17	95.3	K0	GC	4775	P -63 275
13	9.9	9.7W	55 56.201	0.0071	14	-62 24 5.47	0.019	14	0.15	56.173	14	46.0	5.54	14	46.0	F5	C0	836	P -62 307
14	9.0	8.7W	57 10.055	-0.0089	07	-64 9 49.36	-0.010	07	0.14	10.090	14	46.0	49.32	14	46.0	F0	C0	839	P -64 287
15		8.7	57 38.733	0.0028	25	-66 58 59.82	-0.002	36	1.80	38.580	53	95.0	59.72	63	95.0		M4	872	P -67 276
16		8.1	57 47.975	0.0018	33	-69 40 1.89	0.050	43	2.29	47.870	75	93.0	4.72	57	93.0		M3	535	
17		8.5T	57 52.333	0.0028	20	-61 26 35.31	0.008	18	0.80	52.220	21	09.1	35.63	19	09.1	K0	GC	4803	P -61 289
18		4.4H	57 56.956	0.0014	02	-61 32 27.65	-0.017	02	0.11	56.900	06	10.6	27.02	06	12.0	M0	F4	1110	P -61 290
19	9.6	9.6W	58 21.554	0.0050	05	-61 18 34.16	-0.025	05	0.14	21.534	14	46.0	34.06	14	46.0	F8	C0	846	P -61 291
20		8.0T	58 27.389	0.0017	11	-68 29 4.38	0.005	10	0.58	27.302	19	98.0	4.66	18	93.7	K0	GC	4817	P*-68 241
21		7.8T	58 27.857	-0.0016	11	-66 1 19.61	-0.001	10	0.61	27.942	19	97.4	19.58	18	93.7	M0	GC	4818	P -66 240
22		6.7T	59 14.116	0.0030	14	-62 2 3.88	-0.011	11	0.63	13.981	21	04.4	3.34	18	01.8	K5	GC	4832	P -62 310
23	8.2	8.3W	59 33.178	0.0042	07	-63 2 33.03	0.052	07	0.14	33.161	14	46.0	33.23	14	46.0	F0	C0	848	P -63 285
24	10.1	9.9W	4 0 1.367	0.0014	11	-63 20 52.50	0.008	11	0.15	1.362	14	46.0	52.53	14	46.0	F5	C0	851	P -63 286
25		4.5T	0 10.113	0.0003	04	-62 17 54.81	0.028	04	0.22	10.100	10	03.0	56.24	10	98.4	M8	GC	4855	P*-62 312
26		7.9	0 17.281	-0.0065	25	-64 33 38.43	0.050	36	1.80	17.646	45	94.0	41.23	53	94.0		M4	877	P -64 294
27		4.8T	0 29.261	0.0092	05	-61 13 6.50	0.095	04	0.22	28.886	10	09.1	10.84	09	04.2	K5	GC	4861	P*-61 293
28	10.1	9.5W	0 30.198	0.0088	09	-62 7 53.66	0.022	09	0.14	30.163	14	46.0	53.74	14	46.0	K0	C0	854	P -62 314
29	8.9	8.8W	0 54.339	-0.0009	07	-62 5 46.50	-0.013	07	0.14	54.343	14	46.0	46.44	14	46.0	F2	C0	855	P -62 315
30	10.0	9.3W	1 6.319	-0.0003	11	-63 50 45.74	0.045	11	0.15	6.320	14	46.0	45.92	14	46.0	K0	C0	856	P -64 295
31		8.6	1 19.351	-0.0125	25	-64 42 32.48	-0.045	36	1.80	20.038	53	95.1	30.01	63	95.1		M4	879	P -64 296
32		7.0T	1 37.728	0.0493	11	-61 29 44.29	0.096	09	0.50	35.442	19	03.6	49.17	18	99.0	G5	GC	4895	P -61 295
33	9.8	9.5W	2 8.448	0.0044	11	-62 31 18.41	0.031	11	0.15	8.431	14	46.0	18.53	14	46.0	F5	C0	862	P -62 319
34	9.1	9.4W	2 29.100	0.0040	07	-61 23 20.08	-0.006	07	0.14	29.084	14	46.0	20.06	14	46.0	B9	C0	863	P -61 296
35		7.5T	2 34.674	0.0078	14	-69 5 2.40	0.010	12	0.67	34.306	21	02.7	2.89	19	98.8	K2	GC	4921	P -69 234
36	10.2	8.8W	3 21.006	0.0061	09	-62 55 17.33	-0.024	09	0.14	20.982	14	46.0	17.23	14	46.0	K2	C0	866	P -63 292
37	9.5	9.2W	3 26.316	-0.0038	07	-63 14 50.50	-0.017	07	0.14	26.332	14	46.0	50.43	14	46.0	F0	C0	867	P -63 293
38	9.8	8.7W	4 13.503	-0.0028	07	-62 51 40.83	0.002	07	0.14	13.491	14	46.0	40.83	14	46.0	K0	C0	868	P -63 294
39		8.9T	4 18.130	-0.0003	18	-61 37 3.67	0.049	20	0.80	18.140	21	09.2	5.63	21	09.7	A3	GC	4950	P -61 299
40	10.4	9.3W	4 51.806	0.0026	09	-60 5 57.61	0.011	09	0.14	51.795	14	46.0	57.66	14	46.0	K5	C0	870	P -60 288
41	10.1	8.9W	5 5.547	0.0043	06	-64 3 42.42	0.026	06	0.14	5.530	14	46.0	42.52	14	46.0	K0	C0	871	P -64 302
42		8.2T	5 18.428	-0.0005	11	-60 0 31.23	0.021	09	0.51	18.450	18	07.0	32.28	17	99.2	G5	GC	4976	P -60 289
43		8.5	5 35.432	-0.0082	25	-69 32 3.03	-0.012	36	1.76	35.871	53	96.4	2.36	63	96.4		M4	891	P -69 236
44	10.4	9.6W	5 44.050	0.0035	11	-60 26 50.09	-0.009	11	0.15	44.036	14	46.0	50.06	14	46.0	G5	C0	873	P -60 291
45		6.4T	6 48.563	0.0324	05	-64 21 31.39	0.328	05	0.24	47.123	10	05.6	45.48	10	07.1	G0	GC	5001	P -64 305
46		8.3	6 56.796	-0.0052	25	-67 18 10.78	-0.012	36	1.80	57.082	53	95.0	10.13	63	95.0		M4	899	P -67 287
47		8.6	7 9.793	-0.0022	25	-66 34 36.36	-0.026	36	1.41	9.885	53	08.3	35.29	63	08.3		M4	900	P -66 257
48	9.2	9.0W	7 12.348	0.0092	07	-62 53 38.16	0.018	07	0.14	12.311	14	46.0	38.23	14	46.0	F5	C0	879	P -63 299
49		9.0	7 46.114	0.0029	25	-69 10 59.49	-0.027	36	1.53	45.979	45	03.0	58.20	53	03.0		M4	905	P -69 240
50		8.0T	7 47.116	0.0043	12	-65 42 28.75	0.014	11	0.59	46.918	21	03.5	29.44	19	02.2	K0	GC	5021	P -65 305
51	9.2	9.0W	4 8 16.874	-0.0018	07	-62 41 33.07	-0.009	07	0.14	16.881	14	46.0	33.03	14	46.0	F0	C0	884	P -62 324
52		8.9T	8 28.789	0.0096	13	-68 49 57.21	-0.000	13	0.70	28.309	21	99.7	57.19	21	98.7	F0	GC	5037	P -69 242
53		8.7T	8 36.879	0.0005	12	-60 25 58.83	0.006	11	0.60	36.856	19	03.6	59.10	19	01.7	K5	GC	5040	P -60 295
54	10.1	10.2W	8 49.220	-0.0034	13	-60 31 3.93	0.032	13	0.15	49.234	14	46.0	4.06	14	46.0	F5	C0	887	P -60 296
55		9.3T	8 53.086	0.0041	20	-61 33 9.80	-0.004	22	0.95	52.904	24	06.1	9.62	26	06.8	K5	GC	5045	P -61 305
56		8.2	9 19.843	-0.0072	25	-66 10 31.50	0.061	36	1.82	20.246	45	94.0	34.94	63	94.0		M4	911	P -66 259
57		7.3T	9 23.417	0.0013	11	-61 43 36.18	-0.071	09	0.46	23.359	18	06.8	32.91	17	04.2	G0	GC	5054	P -61 307
58	9.8	8.8W	9 54.655	0.0052	09	-60 53 48.85	-0.022	09	0.14	54.634	14	46.0	48.76	14	46.0	K0	C0	890	P -61 308
59		9.3T	10 27.649	0.0014	14	-63 17 19.39	-0.007	11	0.62	27.588	21	04.4	19.03	18	01.2	F0	GC	5077	P -63 305
60	9.8	8.7W	10 38.282	0.0025	07	-61 30 24.51	-0.018	07	0.14	38.273	14	46.0	24.44	14	46.0	K0	C0	894	P -61 309
61	10.0	9.0W	11 11.268	0.0035	09	-60 47 31.13	-0.018	09	0.14	11.254	14	46.0	31.06	14	46.0	K2	C0	895	P -60 298
62	9.5	9.2W	11 23.914	0.0078	06	-61 43 12.66	0.022	06	0.14	23.883	14	46.0	12.74	14	46.0	F2	C0	896	P -61 310
63		8.9	11 45.785	-0.0061	25	-68 20 16.64	0.026	36	1.65	46.091	53	00.0	17.94	63	00.0		M4	919	P -68 248
64		8.1T	11 48.538	0.0041	13	-66 45 1.43	-0.007	13	0.70	48.335	21	00.4	1.08	19	98.2	G5	GC	5110	P -66 264
65	10.5		11 51.118	0.0039	13	-62 2 33.01	-0.042	13	0.15	51.103	14	46.0	32.84	14	46.0	G2	C0	898	P -62 329
66		8.0T	13 15.775	0.0025	12	-61 46 7.46	-0.010	11	0.55	15.668	19	06.4	6.99	18	04.3	K0	GC	5146	P -61 314
67		8.6T	13 21.283	0.0028	13	-69 14 46.37	0.010	13	0.67	21.150	21	02.2	46.84	21	00.3	G5	GC	5149	P -69 252
68	9.0	8.8W	13 31.517	0.0029	06	-60 19 59.17	0.021	06	0.14	31.505	14	46.0	59.26	14	46.0	F0	C0	904	P -60 300
69		3.4H	13 46.543	0.0067	02	-62 35 55.04	0.050	02	0.10	46.290	05	12.4	56.91	05	12.3	G5	F4	156	P -62 332
70	10.5	9.1W	13 53.160	-0.0007	07	-62 6 31.32	-0.018	07	0.14	53.163	14	46.0	31.24	14	46.0	K5	C0	907	P -62 333
71		8.8	13 55.405	-0.0042	25	-66 52 9.09	-0.053	36	1.80	55.636	53	95.0	6.18	63	95.0		M4	930	P -67 296
72		9.1	14 4.448	0.0008	25	-67 14 5.82	0.000	36	1.40	4.414	45	07.5	5.83	53	07.5		M4	933	P -67 297
73		5.4T	14 8.738	0.0013	07	-62 19 1.38	0.090	06	0.29	8.690	12	11.9	5.24	12	07.0	K0	GC	5167K	P*-62 334
74	10.3	8.9W	14 44.098	0.0035	07	-61 20 4.88	-0.004	07	0.14	44.084	14	46.0	4.86	14	46.0	K5	C0	910	P -61 316
75		8.6	15 1.463	0.0029	25	-68 51 30.50	-0.006	36	1.40	1.346	53	09.0	30.23	63	09.0		M4	938	P -69 254
76		8.6	15 30.400	-0.0022	25	-66 20 28.97	0.004	36	1.65	30.510	53	00.0	29.19	63	00.0		M4	939	P -66 267
77		6.3T	15 35.467	0.0056	08	-61 4 15.42	0.022	06	0.41	35.173	15	97.2	16.69	14	91.2	A0	GC	5193K	P*-61 317
78		8.0T	16 10.929	0.0067	16	-64 26 15.81	0.024	12	0.66	10.633	21	06.0	16.96	19	02.8	F0	GC	5204	P -64 317
79		8.5T	16 14.759	-0.0015	11	-66 2 0.34	0.002	10	0.61	14.839	19	97.0	0.47	17	96.3	A0	GC	5205	P -66 269
80	10.1	9.0W	16 20.875	0.0052	09	-60 59 51.55	0.026	09	0.14	20.854	14	46.0	51.66	14	46.0	K2	C0	916	P -61 321
81		7.7T	16 31.733	0.0098	09	-66 48 8.13	0.020	09	0.57	31.171	19	92.6	9.36	18	89.0	K0	GC	5212	P -66 270
82		8.6T	16 43.374	-0.0090	13	-63 12 57.08	-0.100	11	0.60	43.787	21	04.4	52.23	19	01.6	G5	GC	5217	P -63 314
83		7.4T	16 55.697	0.0087	12	-69 50 54.62	0.036	11	0.64	55.239	19	97.6	56.59	19	94.8	G5	GC	5225	P*-70 290
84	10.2	10.1W	16 56.554	0.0029	13	-61 30 46.76	0.045	13	0.15	56.542	14	46.0	46.94	14	46.0	F2	C0	919	P -61 324
85		8.3Q	17 6.086	-0.0044	20	-63 22 32.53	-0.006	18	0.86	6.278	24	06.8	32.25	24	05.9		GC	5232K	P -63 316
86		6.2Q	17 6.303	0.0003	06	-63 22 35.60	0.029	05	0.35	6.289	15	93.6	37.34	14	89.9	B9	GC	5233K	P*-63 316
87	9.4	8.1W	17 19.368	0.0021	13	-64 1 48.37	0.013	13	0.15	19.360	14	46.0	48.42	14	46.0	K0	C0	923	P -64 320
88		8.6T	17 25.188	-0.0021	13	-67 49 26.51	0.005	12	0.69	25.296	21	99.6	26.77	21	98.6	K0	GC	5243	P -68 250
89	10.1	9.4W	17 30.614	0.0057	09	-63 22 22.15	0.021	09	0.14	30.592	14	46.0	22.23	14	46.0	G5	C0	924	P -63 318
90	10.1	8.8W	17 40.966	-0.0042	13	-62 7 33.95	-0.000	13	0.15	40.983	14	46.0	33.94	14	46.0	K5	C0	925	P -62 336
91	9.0	8.1W	18 30.914	0.0006	07	-62 33 46.20	0.009	07	0.14	30.911	14	46.0	46.23	14	46.0	K0	C0	926	P -62 337
92		8.8	18 51.651	-0.0041	25	-68 51 15.68	0.022	36	1.66	51.866	36	98.0	16.80	45	98.0		M4	950	P -69 263
93		8.7T	18 58.664	0.0032	13	-66 5 6.57	0.010	14	0.68	58.510	24	01.9	7.05	21	04.3	F8	GC	5281	P -66 272
94	9.2	8.4W	19 1.029	0.0014	07	-62 23 38.46	0.045	07	0.14	1.023	14	46.0	38.64	14	46.0	K0	C0	929	P -62 338
95		8.5	19 4.125	0.0098	25	-65 13 29.57	0.009	36	1.83	3.575	53	94.0	30.08	63	94.0		M4	948	P -65 328
96	10.1	9.1W	19 15.236	0.0055	09	-61 7 27.49	0.017	09	0.14	15.214	14	46.0	27.56	14	46.0	K0	C0	930	P -61 328
97		7.9T	19 45.271	0.0042	13	-63 17 29.39	-0.006	11	0.61	45.081	21	04.4	29.09	19	02.2	F0	GC	5297	P -63 320
98		8.1T	19 52.170	-0.0018	12	-69 14 17.66	0.008	10	0.61	52.265	21	97.8	18.07	18	95.6	K2	GC	5299	P -69 265
99		8.1T	20 2.064	-0.0029	11	-68 49 7.53	-0.005	11	0.63	2.214	22	99.1	7.24	21	96.9	A0	GC	5303	P -68 253
00		7.8T	20 7.668	0.0053	12	-69 30 59.17	-0.017	12	0.65	7.404	22	00.5	58.26	21	97.9	K2	GC	5306	P -69 266

249000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 4H DM NUMBER
1	10.1	9.8W	4 20 27.439	0.0016	13	-61 45 51.71	0.009	13	0.15	27.433	14	46.0	51.74	14	46.0	F2	CD	933	P -61 330
2		8.6T	20 37.360	0.0016	12	-66 21 27.96	0.019	11	0.64	37.278	22	98.3	29.03	19	94.9	G5	GC	5318	P -66 276
3		9.0	20 39.273	-0.0051	25	-67 54 10.10	-0.033	36	1.62	39.525	53	01.0	8.48	63	01.0		M4	952	P -68 255
4	9.6	9.6W	20 44.501	-0.0007	07	-61 0 32.79	-0.008	07	0.14	44.504	14	46.0	32.76	14	46.0	F2	CD	935	P -61 331
5		8.8T	20 44.697	-0.0007	17	-61 59 23.90	0.011	13	0.69	44.729	22	07.6	24.38	19	05.5	K5	GC	5320	P -62 342
6	9.5	8.8W	20 52.314	-0.0004	06	-60 26 45.99	-0.007	06	0.14	52.315	14	46.0	45.96	14	46.0	K0	CD	937	P -60 304
7	9.8	9.0W	20 58.582	-0.0003	07	-62 14 17.42	-0.018	07	0.14	58.583	14	46.0	17.34	14	46.0	G5	CD	939	P -62 343
8	10.3	9.2W	21 1.999	-0.0000	09	-63 44 17.87	0.064	09	0.14	2.000	14	46.0	18.12	14	46.0	G5 O	CD	940	P -63 321
9		5.2H	21 20.563	0.0133	03	-63 30 17.09	0.174	02	0.11	20.090	06	14.4	23.40	05	13.8	K0	F4	163	P -63 324
10		8.6T	21 36.717	0.0047	12	-69 43 55.41	0.030	12	0.65	36.475	19	99.0	56.97	19	97.2	F0	GC	5340	P -69 268
11		8.9T	21 45.472	-0.0047	17	-61 57 1.71	0.001	13	0.69	45.673	22	07.5	1.74	19	05.3	K2	GC	5342	P -62 345
12	9.1	8.8W	22 14.487	0.0039	06	-62 38 7.58	0.038	06	0.14	14.471	14	46.0	7.73	14	46.0	F2	CD	944	P -62 346
13	9.7	9.1W	23 21.680	-0.0030	07	-63 24 45.73	0.025	07	0.14	21.692	14	46.0	45.83	14	46.0	F8	CD	947	P -63 327
14	10.0	9.1W	23 43.776	0.0111	09	-60 46 23.17	0.047	09	0.14	43.734	14	46.0	23.36	14	46.0	K0	CD	949	P -60 306
15		7.1T	23 44.241	0.0043	11	-66 51 4.57	0.072	08	0.55	44.225	19	99.6	8.75	19	92.2	A3	GC	5379K	P -67 316
16		5.6T	24 23.351	-0.0034	07	-61 21 3.94	0.016	05	0.29	23.490	12	09.7	4.68	12	02.6	K5	GC	5398	P -61 335
17		8.1T	24 32.201	0.0077	16	-61 44 9.03	0.097	18	0.67	31.908	18	12.1	12.66	18	12.5	G0	GC	5400	P -61 336
18		7.9T	24 38.347	0.0039	12	-69 6 22.59	0.013	11	0.63	38.157	19	00.9	23.26	19	96.5	K0	GC	5404	P -69 273
19		8.0T	24 42.315	-0.0048	13	-64 11 48.07	0.326	10	0.59	42.526	19	05.7	4.18	18	00.5	G0	GC	5407K	P -64 334
20	8.9	8.7W	24 51.291	-0.0007	07	-60 52 8.34	0.005	07	0.14	51.294	14	46.0	8.36	14	46.0	F2	CD	953	P -61 337
21		8.3T	25 10.765	-0.0039	12	-65 55 26.96	-0.032	10	0.55	10.949	19	02.9	25.41	18	01.0	F2	GC	5414	P -66 285
22		8.6T	25 15.620	0.0079	15	-69 30 5.80	0.024	12	0.66	15.242	21	02.3	7.00	19	99.2	F2	GC	5416	P -69 275
23	10.2	8.9W	25 28.631	0.0020	07	-62 17 15.23	-0.022	07	0.14	28.623	14	46.0	15.14	14	46.0	K5	CD	954	P -62 354
24	9.5	8.5W	25 39.196	0.0037	06	-62 51 54.44	-0.002	06	0.14	39.181	14	46.0	54.43	14	46.0	G5	CD	956	P -63 330
25	9.9	10.1W	26 0.065	0.0011	15	-64 8 16.58	-0.038	15	0.15	0.060	14	46.0	16.42	14	46.0	F5	CD	957	P -64 337
26	9.6	9.5W	26 28.191	0.0046	07	-61 49 22.16	0.046	07	0.14	28.173	14	46.0	22.34	14	46.0	G0	CD	959	P -61 339
27		6.9T	26 32.389	-0.0028	13	-62 54 35.93	0.012	11	0.58	32.511	21	05.9	36.50	19	01.9	A0	GC	5452	P -63 332
28	9.4	9.3W	27 6.185	-0.0037	13	-63 53 30.06	0.015	13	0.15	6.200	14	46.0	30.12	14	46.0	F5	CD	963	P -64 339
29		5.8T	27 10.799	-0.0027	07	-62 37 50.03	0.015	05	0.29	10.900	14	11.9	50.68	12	05.7	K0	GC	5464K	P -62 357
30	9.4	9.2W	27 17.473	0.0001	15	-61 55 3.05	0.049	13	0.15	17.473	14	46.0	3.24	14	46.0	F8	CD	965	P -62 358
31	10.2	9.0W	27 23.956	0.0058	07	-62 18 33.54	-0.000	07	0.14	23.933	14	46.0	33.54	14	46.0	K2	CD	966	P -62 359
32		8.3T	27 29.392	0.0053	10	-61 50 52.45	-0.019	09	0.47	29.160	18	05.7	51.52	17	02.1	K0	GC	5474	P*-62 360
33		8.6	27 41.678	0.0019	25	-68 6 29.37	0.072	36	1.43	41.599	53	07.7	32.41	63	07.7		M4	981	P -68 266
34		8.0	28 4.494	0.0088	25	-65 49 18.65	0.142	36	1.83	4.003	53	94.0	26.62	63	94.0		M4	982	P -65 344
35	10.4	9.5W	28 30.779	0.0058	09	-60 22 37.37	0.021	09	0.14	30.755	14	46.0	37.46	14	46.0	K0 O	CD	969	P -60 310
36		8.3	28 31.515	-0.0065	25	-64 40 30.04	-0.041	36	1.80	31.872	53	95.1	27.78	63	95.1		M4	984	P -64 342
37		8.9T	28 35.049	-0.0024	25	-65 0 38.57	0.026	16	0.84	35.149	21	08.2	39.68	19	07.6	G0	GC	5507	P -65 347
38	10.3	8.9W	28 47.537	-0.0008	07	-64 7 38.68	-0.014	07	0.14	47.540	14	46.0	38.62	14	46.0	K5	CD	971	P -64 343
39		8.3T	29 13.827	-0.0008	15	-65 29 5.95	0.030	12	0.66	13.863	19	04.9	7.41	18	01.4	A0	GC	5523	P -65 349
40	10.4		29 17.060	0.0040	09	-60 33 3.48	0.019	09	0.14	17.064	14	46.0	3.56	14	46.0	F0 O	CD	972	P -60 311
41		8.4T	29 17.136	-0.0007	12	-69 43 11.41	0.001	12	0.65	17.168	22	01.3	11.44	21	97.9	F0	GC	5524	P -69 277
42		9.9T	29 17.981	-0.0046	36	-64 49 55.48	0.021	22	1.18	17.805	24	11.6	56.30	21	10.8	F0	GC	5526	P -64 345
43		9.2	29 30.204	-0.0072	33	-66 50 29.88	-0.048	43	2.32	30.622	75	92.0	27.11	57	92.0		M3	588	
44		7.7T	30 8.029	0.0385	13	-67 59 23.63	0.421	11	0.63	6.140	19	00.9	44.71	17	99.9	G0	GC	5544	P -68 268
45		9.0	30 53.209	0.0107	25	-69 31 37.29	-0.016	36	1.56	52.705	53	03.1	36.55	63	03.1		M4	998	P -69 278
46		9.0T	31 0.565	-0.0013	18	-61 56 49.26	-0.027	20	0.81	0.621	22	08.2	48.16	22	09.9	K0	GC	5559	P -62 366
47		9.1T	31 13.697	0.0031	16	-61 29 22.33	-0.022	12	0.67	13.563	21	06.3	21.25	19	01.9	K2	GC	5564	P -61 347
48		8.5	31 42.688	-0.0053	25	-65 13 13.80	-0.076	36	1.62	42.945	53	01.0	10.07	63	01.0		M4	1001	P -65 351
49	10.0	9.8W	31 44.299	0.0050	11	-60 24 59.73	0.062	11	0.15	44.279	14	46.1	59.98	14	46.1	G0 O	CD	988	P -60 319
50		8.7T	32 16.568	0.0018	13	-65 6 21.73	-0.011	11	0.60	16.484	21	04.2	21.22	19	03.7	K0	GC	5587	P -65 355
51		8.2	4 32 28.262	0.0017	25	-65 21 20.75	-0.026	36	1.43	28.188	53	07.7	19.65	63	07.7		M4	1006	P -65 356
52		9.1	32 51.301	-0.0032	25	-69 28 16.18	-0.044	36	1.80	51.475	53	95.0	13.78	63	95.0		M4	1009	P -69 279
53		6.8I	33 1.116	-0.0017	27	-63 7 55.59	0.040	27	1.17	1.189	26	07.9	57.26	26	07.9	M4E	GC	5603V	*
54		5.9T	33 2.314	-0.0168	13	-62 55 34.68	-0.023	11	0.61	3.098	21	03.5	33.53	18	00.8	K0	GC	5604K	P -63 342
55		8.7	33 3.962	-0.0032	25	-67 25 11.78	-0.003	36	1.45	4.098	53	07.1	11.64	63	07.1		M4	1008	P -67 327
56	9.9	9.3W	33 6.951	-0.0140	07	-62 55 39.64	-0.024	07	0.14	7.006	14	46.1	39.55	14	46.1	G5 O	CD	990	P -63 343
57		9.4T	33 51.415	0.0081	15	-60 54 16.51	-0.027	12	0.65	51.055	21	05.3	15.22	19	01.3	K5	GC	5619	P -61 351
58	9.7	8.6W	33 53.882	0.0015	06	-61 48 17.00	-0.011	06	0.14	53.887	14	46.1	16.96	14	46.1	K0 O	CD	994	P -61 352
59		8.9	33 56.882	-0.0053	25	-67 17 6.32	-0.016	36	1.62	57.140	53	01.1	5.53	63	01.1		M4	1010	P -67 329
60		8.6	34 13.468	-0.0023	25	-66 17 44.67	-0.138	36	1.77	13.591	53	96.1	37.23	63	96.1		M4	1014	P -66 303
61		8.7	35 2.349	-0.0002	25	-69 11 3.29	0.065	36	1.83	2.361	53	94.0	6.95	63	94.0		M4	1016	P -69 282
62	10.5	8.7W	35 2.602	0.0042	09	-62 44 55.71	-0.016	09	0.14	2.585	14	46.1	55.65	14	46.1	K2 O	CD	998	P -62 371
63	10.9	9.9W	35 25.446	-0.0008	09	-60 29 8.34	0.035	09	0.14	25.449	14	46.1	8.48	14	46.1	G6 O	CD	999	P -60 323
64	10.8	9.6W	35 28.651	0.0014	09	-63 16 23.09	0.016	09	0.14	28.646	14	46.1	23.15	14	46.1	G8 O	CD	1000	P -63 347
65		9.0T	35 37.472	0.0006	12	-67 0 34.89	0.029	10	0.57	37.441	24	01.0	36.33	21	00.5	K0	GC	5649	P -67 331
66		4.8I	36 10.395	-0.0091	08	-62 10 31.79	-0.083	07	0.32	10.743	14	11.9	28.29	12	07.6	M7	GC	5661V	P*-62 372
67		9.1	36 36.948	0.0017	25	-66 31 49.47	-0.024	36	1.77	38.857	53	96.1	48.17	63	96.1		M4	1022	P -66 307
68	9.9	9.5W	37 8.904	-0.0002	12	-64 13 16.23	0.027	12	0.15	8.905	14	46.1	16.34	14	46.1	G0	CD	1005	P -64 357
69		8.7	37 27.063	0.0027	25	-66 13 10.16	-0.030	36	1.64	26.929	53	00.4	8.68	63	00.4		M4	1024	P -66 309
70	9.6	9.4W	37 47.178	0.0028	07	-62 16 38.60	0.066	07	0.14	47.167	14	46.1	38.86	14	46.1	F8 O	CD	1007	P -62 375
71			38 12.922	0.0007	25	-65 11 39.17	-0.003	36	1.77	12.882	53	96.0	39.00	63	96.0		M4	1025V	P*-65 362
72		7.2T	38 15.562	0.0009	09	-62 28 32.93	0.029	07	0.43	15.522	18	03.8	34.51	17	96.4	A2	GC	5696	P -62 376
73		8.1T	38 21.277	-0.0004	12	-68 54 32.82	0.003	11	0.61	21.298	22	99.3	32.99	19	98.8	A0	GC	5697	P -69 284
74		8.0	39 4.075	0.0077	25	-69 33 3.38	0.016	36	1.83	3.641	53	94.0	4.29	63	94.0		M4	1036	P -69 286
75		8.4T	39 28.516	0.0052	12	-65 45 44.70	0.043	11	0.56	28.266	21	02.0	46.71	18	03.5	K0	GC	5723	P -65 365
76	10.2	9.3W	40 4.350	0.0038	06	-63 5 57.57	0.021	06	0.14	4.336	14	46.1	57.65	14	46.1	G8 O	CD	1016	P -63 355
77	8.7	8.5W	40 17.853	0.0045	06	-62 53 43.89	0.040	06	0.14	17.836	14	46.1	44.05	14	46.1	F8	CD	1017	P -63 356
78	8.6	8.5W	40 21.897	0.0023	07	-60 56 24.83	0.013	07	0.14	21.888	14	46.1	24.88	14	46.1	F0	CD	1018	P -61 357
79		9.0	40 56.274	0.0187	25	-65 24 21.22	-0.046	36	1.68	55.320	53	99.1	18.88	63	99.1		M4	1039	P -65 369
80	7.4	7.6W	41 6.265	0.0017	06	-61 18 40.36	0.029	06	0.14	6.258	14	46.1	40.48	14	46.1	A0	CD	1021	P -61 359
81	9.5	8.4W	41 26.313	0.0039	07	-61 11 8.60	-0.006	07	0.14	26.298	14	46.1	8.58	14	46.1	K0	CD	1022	P -61 360
82	10.0	8.7W	41 35.139	0.0031	07	-60 30 1.27	0.002	07	0.14	35.127	14	46.1	1.28	14	46.1	K1 O	CD	1023	P -60 333
83	8.8	8.7W	41 36.679	0.0006	07	-62 28 41.47	0.021	07	0.14	36.677	14	46.1	41.56	14	46.1	A5	CD	1024	P -62 377
84		8.2T	41 41.983	-0.0008	13	-68 42 3.09	-0.016	13	0.70	42.024	19	00.2	2.29	19	98.6	K0	GC	5769	P -68 271
85	9.5	8.9W	41 43.030	0.0010	08	-61 43 0.88	0.251	08	0.14	43.026	14	46.1	1.86	14	46.1	G5	CD	1025	P -61 361
86		8.1T	41 52.305	0.0029	13	-63 18 31.49	0.040	11	0.60	52.173	21	04.2	33.42	18	01.2	F0	GC	5771	P -63 358
87	10.1	10.0W	42 6.682	0.0017	15	-63 3 12.76	-0.002	15	0.15	6.676	14	46.1	12.75	14	46.1	F2 O	CD	1028	P -63 360
88	9.7	9.5W	42 7.890	0.0059	13	-61 54 1.11	0.090	13	0.15	7.867	14	46.1	1.46	14	46.1	F8 O	CD	1029	P -62 378
89		8.9	42 46.151	-0.0092	25	-67 29 56.52	-0.094	36	1.62	46.600	53	01.0	51.90	63	01.0		M4	1045	P -67 342
90	9.7	9.8W	42 53.690	0.0014	12	-64 1 2.67	-0.007	12	0.15	53.685	14	46.1	2.64	14	46.1	A0	CD	1031	P -64 365
91		8.9	42 54.254	-0.0033	25	-66 37 28.79	-0.032	36	1.43	54.393	53	07.7	27.44	63	07.7		M4	1046	P -66 317
92		8.4	43 26.279	-0.0067	25	-66 50 8.15	0.022	36	1.41	26.000	53	08.4	9.06	63	08.4		M4	1048	P -66 319
93	9.9	9.0W	44 26.062	-0.0004	07	-63 52 8.50	-0.066	07	0.14	26.064	14	46.1	8.24	14	46.1	K2	CD	1035	P -64 369
94	10.0	8.8W	44 28.102	0.0017	02	-63 23 58.81	0.009	02	0.14	28.096	14	46.1	58.85	14	46.1	K O	CD	1036	P -63 364
95		6.3T	44 29.915	-0.0005	10	-63 19 10.03	0.003	08	0.38	29.936	12	10.0	10.14	12	06.6	K0	GC	5826	P*-63 365
96	10.4	8.8W	44 30.544	-0.0003	09	-62 35 0.08	0.043	09	0.14	30.545	14	46.1	0.25	14	46.1	K2 O	CD	1038	P -62 383
97	9.5	9.6W	44 53.284	0.0016	13	-61 12 46.57	0.003	13	0.15	53.278	14	46.1	46.58	14	46.1	A0	CD	1041	P -61 365
98	9.6	9.5W	44 54.817	-0.0045	07	-63 46 38.69	-0.012	07	0.14	54.834	14	46.1	38.64	14	46.1	F2	CD	1042	P -63 366
99		9.3	45 6.119	0.0008	25	-68 29 8.69	0.050	36	1.65	6.076	53	00.1	11.20	63	00.1		M4	1056	P -68 273
00		8.1T	45 10.866	0.0063	12	-68 6 40.61	0.081	12	0.63	10.554	19	00.3	44.82	19	97.9	F5	GC	5840	P -68 272

249100			EPOCH 1950								ORIGINAL EPOCH						SP.		SOURCE		-60° 4H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER		
	m_{pg}	m_v	h m s	s	″ .001	° ′ ″	″	″ .001	″	s	″ .01		″	″ .01							
1	10.2	9.2W	4 45 28.423	0.0037	09	-60 6 23.58	-0.000	09	0.14	28.409	14	46.1	23.58	14	46.1	K0 O	CO	1044	P -60 339		
2		8.0T	45 32.464	0.0036	14	-63 38 51.52	-0.068	11	0.61	32.307	21	56.9	54.76	19	02.5	G5	GC	5845	P -63 369		
3		8.5	45 47.522	0.0077	25	-66 36 39.76	0.139	36	1.68	47.116	36	97.3	47.07	45	97.3		M4	1061	P -66 321		
4		7.4T	45 48.322	0.0037	11	-66 10 3.79	0.033	11	0.62	48.126	19	97.4	5.64	19	94.3	F0	GC	5848	P -66 320		
5		7.8T	46 11.066	0.0090	13	-60 41 35.56	0.123	11	0.56	10.690	18	08.1	41.34	18	02.8	G0	GC	5862	P -60 341		
6	10.8	9.9W	46 37.093	0.0046	07	-62 49 5.10	0.090	07	0.14	37.076	14	46.1	5.45	14	46.1	K0 O	CO	1047	P -62 385		
7	9.8	9.5W	46 42.390	0.0003	07	-60 5 24.91	-0.009	07	0.14	42.389	14	46.1	24.88	14	46.1	F5 O	CO	1048	P -60 343		
8		7.4T	46 44.783	0.0095	14	-61 33 47.24	-0.039	12	0.69	44.323	22	01.4	45.14	21	97.0	F0	GC	5870K	P*-61 367		
9		7.6T	46 45.580	-0.0044	11	-68 38 2.41	0.045	11	0.60	45.802	19	99.8	4.83	19	96.6	F8	GC	5871	P -68 277		
10		8.1T	46 45.644	-0.0013	11	-62 54 57.95	-0.025	11	0.57	45.707	21	02.9	56.73	18	01.9	A5	GC	5872	P -63 370		
11		7.2T	47 40.593	-0.0005	15	-63 33 59.09	-0.012	11	0.64	40.614	21	05.6	58.54	19	02.7	K0	GC	5889	P -63 372		
12	9.8	8.6W	47 43.881	0.0016	07	-63 49 50.35	0.022	07	0.14	43.874	14	46.1	50.44	14	46.1	K0	CO	1054	P -63 373		
13	9.6	9.2W	47 59.693	0.0046	07	-62 34 15.74	0.106	07	0.14	59.675	14	46.1	16.15	14	46.1		CO	1055	P -62 388		
14		7.0T	48 4.810	0.0001	13	-60 20 40.12	0.005	10	0.59	4.806	19	03.7	40.35	18	98.6	K0	GC	5900K	P -60 344		
15		9.2T	48 8.266	-0.0060	13	-68 51 4.84	0.031	12	0.67	8.569	21	99.8	6.48	19	97.5	F5	GC	5903	P -68 278		
16	8.6	8.7W	48 10.775	-0.0002	07	-63 3 54.37	0.021	07	0.14	10.776	14	46.1	54.45	14	46.1	A0	CO	1057	P -63 374		
17	10.5	10.0W	48 12.753	0.0013	09	-61 29 17.09	0.075	09	0.14	12.748	14	46.1	17.38	14	46.1	G0 O	CO	1058	P -61 369		
18		8.7T	48 31.924	0.0017	12	-64 28 25.23	0.020	11	0.52	31.857	18	09.2	26.12	18	06.0	G5	GC	5910	P -64 371		
19	9.9	9.6W	48 51.633	0.0040	13	-62 22 9.73	0.057	13	0.15	51.617	14	46.1	9.95	14	46.1	G0 O	CO	1061	P -62 391		
20		7.8T	48 59.825	-0.0039	13	-67 47 53.43	0.007	13	0.68	+ 0.014	22	01.8	53.75	21	01.8	A2	GC	5922	P -67 352		
21	10.1	9.3W	49 27.748	-0.0048	11	-62 19 12.20	0.039	11	0.15	27.767	14	46.1	12.36	14	46.1	G5 O	CO	1063	P -62 392		
22	9.4	9.4W	49 31.996	-0.0000	06	-63 14 57.08	0.016	06	0.14	31.996	14	46.1	57.15	14	46.1	A3	CO	1064	P -63 376		
23		7.8T	51 4.428	-0.0040	13	-69 54 49.31	0.030	12	0.68	4.629	22	00.4	50.95	19	95.9	M0	GC	5967	P -70 321		
24	10.5	9.7W	51 14.474	0.0016	17	-60 51 57.88	0.050	17	0.16	14.467	14	46.1	58.08	14	46.1	G5 O	CO	1069	P -60 349		
25		6.8T	51 26.496	-0.0107	10	-68 9 9.18	0.060	10	0.58	27.076	18	95.9	12.65	15	91.9	G0	GC	5972	P*-68 280		
26		8.7	51 42.696	-0.0038	25	-68 10 37.66	0.007	36	1.45	42.534	53	07.1	37.95	63	07.1		M4	1082	P -68 282		
27	9.3	8.3W	51 46.290	-0.0019	06	-60 43 2.79	-0.004	06	0.14	46.297	14	46.1	2.78	14	46.1	K0	CO	1070	P -60 350		
28		9.2T	51 47.971	-0.0002	17	-61 37 15.62	0.012	13	0.70	47.982	21	07.0	16.20	19	03.2	F5	GC	5980	P -61 375		
29	9.4	9.5W	51 50.561	0.0010	12	-60 49 54.26	0.005	12	0.15	50.557	14	46.1	54.28	14	46.1	F	CO	1072	P -60 351		
30		8.2T	52 21.281	-0.0003	12	-61 27 49.51	0.029	10	0.52	21.295	18	07.0	50.87	18	02.3	K0	GC	5994	P -61 376		
31	9.6	9.2W	52 21.448	-0.0020	07	-63 16 59.70	-0.012	07	0.14	21.456	14	46.1	59.75	14	46.1	F5	CO	1074	P -63 378		
32	9.7	9.7W	52 24.242	0.0009	11	-61 7 0.53	-0.039	11	0.15	24.238	14	46.1	0.38	14	46.1	F5 O	CO	1075	P -61 377		
33	9.5	9.2W	52 31.158	0.0001	07	-60 54 32.07	-0.024	07	0.14	31.158	14	46.1	31.98	14	46.1	F8	CO	1077	P -61 378		
34		8.1	52 40.909	-0.0042	25	-69 29 6.64	-0.023	36	1.40	41.086	45	07.6	5.67	53	07.6		M4	1086	P -69 300		
35		8.2T	52 44.194	0.0034	16	-63 41 46.77	0.014	12	0.65	44.048	21	07.6	47.43	19	03.6	K0	GC	6006	P -63 379		
36	10.5	9.0W	53 5.642	0.0036	07	-60 56 28.36	0.005	07	0.14	5.628	14	46.1	28.38	14	46.1	K	CO	1079	P -61 379		
37	10.4	9.1W	53 25.236	0.0020	06	-61 20 42.26	-0.022	06	0.14	25.228	14	46.1	42.18	14	46.1	K1 O	CO	1080	P -61 380		
38		6.3T	53 25.623	0.0024	09	-66 45 19.19	0.003	08	0.54	25.486	18	93.0	19.38	17	86.9	K5	GC	6022	P*-66 338		
39	9.6	8.1W	53 26.375	-0.0030	08	-61 47 48.62	0.034	08	0.14	26.387	14	46.1	48.76	14	46.1	K2	CO	1081	P -61 382		
40	9.7	8.8W	53 33.250	0.0030	07	-60 1 22.57	0.028	07	0.14	33.239	14	46.1	22.68	14	46.1	G5	CO	1082	P -60 355		
41	8.7	8.6W	53 49.905	0.0013	06	-60 29 35.46	0.005	06	0.14	49.899	14	46.1	35.48	14	46.1	F2	CO	1083	P -60 357		
42	9.4	9.4W	53 52.102	0.0020	06	-63 55 0.69	-0.012	06	0.14	52.094	14	46.1	0.64	14	46.1	A3	CO	1084	P -64 380		
43		9.0	54 1.923	-0.0053	25	-65 28 34.90	-0.019	36	1.59	2.179	45	01.3	33.97	53	01.3		M4	1091	P -65 392		
44	7.9	7.9W	54 38.054	0.0021	15	-62 52 27.78	0.093	15	0.15	38.046	14	46.1	28.15	14	46.1	A0	CO	1086	P -62 398		
45		9.0	54 41.198	-0.0223	25	-69 34 9.30	-0.086	36	1.53	42.242	45	03.1	5.28	53	03.1		M4	1099	P -69 305		
46		8.3T	54 48.692	-0.0014	17	-64 2 13.82	0.008	12	0.70	48.751	19	06.4	14.22	19	02.3	F8	GC	6045	P -64 384		
47		9.2	55 9.440	-0.0103	25	-67 14 49.10	0.001	36	1.80	10.005	53	95.0	49.15	63	95.0		M4	1101	P -67 364		
48	10.1	9.7W	55 16.802	0.0032	07	-60 29 44.88	-0.001	07	0.14	16.789	14	46.1	44.88	14	46.1	G0 O	CO	1088	P -60 361		
49	9.3	9.4W	55 20.733	0.0009	07	-60 26 21.00	0.070	07	0.14	20.729	14	46.1	21.28	14	46.1	A5	CO	1089	P -60 362		
50		8.6	55 47.286	-0.0104	25	-64 39 34.99	-0.051	36	1.83	47.867	53	94.0	32.13	63	94.0		M4	1103	P -64 389		
51	9.9	8.6W	4 56 0.393	0.0023	12	-63 37 25.09	0.041	12	0.15	0.384	14	46.1	25.24	14	46.1	K0	CO	1096	P -63 387		
52	9.2	8.1W	56 12.803	-0.0006	07	-62 31 42.51	-0.015	07	0.14	12.805	14	46.1	42.45	14	46.1	K0	CO	1097	P -62 406		
53		8.6	56 21.195	-0.0022	25	-68 23 59.27	-0.056	36	1.56	21.293	53	03.1	56.64	63	03.1		M4	1109	P -68 294		
54		7.3T	56 51.094	0.0035	09	-65 5 31.23	0.044	08	0.45	50.930	17	03.4	33.47	17	98.8	A0	GC	6083	P*-65 394		
55	8.6	8.4W	56 53.922	-0.0117	06	-61 21 55.67	0.156	06	0.14	53.968	14	46.1	56.28	14	46.1	F5	CO	1100	P -61 387		
56	8.5	8.1W	57 56.301	-0.0062	06	-63 17 13.20	-0.037	06	0.14	56.326	14	46.1	13.05	14	46.1	F8	CO	1105	P -63 391		
57	10.1	9.2W	58 15.487	-0.0046	07	-64 1 53.82	-0.020	07	0.14	15.505	14	46.1	53.74	14	46.1	G5	CO	1106	P -64 395		
58		8.8T	58 18.806	-0.0048	16	-61 10 40.39	-0.185	12	0.67	19.015	21	06.7	31.82	19	03.8	G0	GC	6119	P -61 394		
59	9.4	9.7W	58 59.784	0.0017	13	-61 1 37.44	0.009	13	0.15	59.778	14	46.1	37.48	14	46.1	A0	CO	1109	P -61 396		
60	9.6	9.4W	59 6.777	0.0029	06	-63 6 6.49	0.040	06	0.14	6.766	14	46.1	6.65	14	46.1	F5	CO	1110	P -63 395		
61	9.7	9.1W	59 38.341	-0.0014	07	-62 21 3.96	-0.002	07	0.14	38.347	14	46.1	3.96	14	46.1	G0	CO	1111	P -62 406		
62	9.6	8.7W	59 57.772	0.0015	06	-61 44 13.97	-0.005	06	0.14	57.767	14	46.1	13.96	14	46.1	G5	CO	1113	P -61 399		
63	10.3	8.9W	5 0 2.609	0.0011	09	-63 42 9.25	-0.027	09	0.14	2.604	14	46.1	9.14	14	46.1	K2	CO	1114	P -63 396		
64		8.2T	0 3.429	-0.0013	11	-68 39 15.82	0.022	11	0.62	3.499	21	97.4	17.06	19	94.4	A2	GC	6157	P -68 300		
65		7.4T	0 13.683	0.0095	13	-64 27 54.93	-0.056	10	0.57	13.261	18	05.3	52.09	18	99.0	K0	GC	6165	P -64 397		
66		9.0T	0 46.162	0.0037	14	-69 25 17.77	0.002	12	0.71	45.981	22	01.0	17.90	21	97.7	A0	GC	6174	P -69 320		
67	9.2	8.9W	0 57.179	0.0035	15	-63 8 53.66	0.022	15	0.15	57.165	14	46.1	53.75	14	46.1	F5	CO	1117	P -63 400		
68	10.0	9.9W	0 58.837	0.0051	08	-61 51 53.13	0.007	08	0.14	58.817	14	46.1	53.16	14	46.1	F8	CO	1118	P -61 401		
69		8.5	1 1.948	0.0017	25	-65 37 28.22	0.027	36	1.53	1.868	45	03.1	29.50	53	03.1		M4	1120	P -65 409		
70	10.0	9.3W	1 5.045	0.0148	13	-62 9 46.97	0.176	13	0.15	4.987	14	46.1	47.66	14	46.1	G0	CO	1119	P -62 410		
71		8.6	1 22.717	-0.0022	25	-67 31 8.86	-0.017	36	1.60	22.826	53	01.4	8.02	53	01.3		M4	1121	P -67 380		
72		8.3T	1 54.321	-0.0027	11	-69 33 56.94	-0.012	11	0.61	54.455	19	99.7	56.32	19	96.8	A3	GC	6200	P*-69 321		
73	9.6	9.4W	2 7.196	-0.0027	07	-61 58 48.71	0.036	07	0.14	7.197	14	46.1	48.85	14	46.1	A5	CO	1122	P -62 414		
74		8.7	2 8.796	-0.0004	25	-64 58 27.18	0.024	36	1.80	8.820	53	95.0	28.49	63	95.0		M4	1124	P -65 417		
75	9.7	9.7W	2 17.985	-0.0005	13	-60 44 51.13	0.037	13	0.15	17.987	14	46.1	51.28	14	46.1	F2	CO	1123	P -60 369		
76		8.5	2 21.386	-0.0023	25	-66 47 13.77	-0.049	36	1.43	21.483	53	07.7	11.69	63	07.7		M4	1127	P -66 364		
77	9.0	8.8W	2 43.379	0.0027	07	-61 28 59.32	-0.036	07	0.14	43.368	14	46.1	59.18	14	46.1	F5	CO	1126	P -61 403		
78	9.8	8.4W	2 55.549	0.0033	06	-63 16 27.87	-0.021	06	0.14	55.536	14	46.1	27.95	14	46.1	K2	CO	1127	P -63 405		
79	9.6	9.4W	3 52.959	0.0030	13	-62 19 58.06	-0.001	13	0.15	52.947	14	46.1	58.05	14	46.1	F2	CO	1129	P -62 418		
80	9.7	9.2W	4 13.758	-0.0066	15	-63 39 43.04	-0.051	15	0.15	13.784	14	46.1	42.84	14	46.1	F5	CO	1130	P -63 410		
81	9.9	10.1W	4 25.609	0.0078	12	-60 12 10.74	0.009	12	0.15	25.579	14	46.1	10.78	14	46.1	A0	CO	1131	P -60 375		
82		7.9T	4 27.947	0.0016	14	-64 36 46.63	-0.008	12	0.64	27.874	21	04.4	46.23	18	01.6	G5	GC	6253	P*-64 405		
83	10.2	9.2W	5 4.158	0.0007	09	-63 12 36.03	0.030	09	0.14	4.156	14	46.1	36.15	14	46.1	K0	CO	1133	P -63 413		
84		8.9	5 10.234	-0.0062	25	-69 14 5.25	0.022	36	1.62	10.538	53	01.1	6.34	63	01.1		M4	1136	P -69 328		
85		7.8T	5 14.507	0.0017	12	-68 9 8.55	0.012	12	0.68	14.421	19	98.6	9.17	19	97.2	B9	GC	6271	P -68 311		
86	10.1	9.7W	5 32.436	-0.0124	12	-63 39 17.03	0.002	12	0.15	32.484	14	46.1	17.04	14	46.1	G0	CO	1134	P -63 415		
87	10.0	9.7W	5 38.756	-0.0053	12	-62 6 34.03	0.031	12	0.15	38.777	14	46.1	34.16	14	46.1	G5	CO	1135	P -62 420		
88	8.0	7.6W	5 44.418	-0.0043	07	-62 51 31.73	0.313	07	0.14	44.435	14	46.1	32.95	14	46.1	F5	CO	1137	P -62 421		
89	9.0	9.3W	5 50.381	0.0034	14	-60 55 7.50	0.020	14	0.15	50.368	14	46.1	7.58	14	46.1	A0	CO	1138	P -61 407		
90	10.1	9.7W	6 1.675	-0.0027	15	-63 26 53.83	0.030	15	0.15	1.686	14	46.1	53.95	14	46.1	F5	CO	1139	P -63 416		
91	10.0	8.8W	6 5.027	0.0026	13	-62 27 1.13	0.007	13	0.15	5.017	14	46.1	1.16	14	46.1	K0	CO	1141	P -62 422		
92		8.2	6 9.669	0.0088	25	-68 28 56.74	0.024	36	1.45	9.289	53	07.1	57.78	63	07.1		M4	1141	P -68 315		
93	8.0	7.9W	6 13.225	0.0025	07	-63 12 46.76	-0.028	07	0.14	13.216	14	46.1	46.65	14	46.1	F0	CO	1143	P -63 417		
94		8.2	6 13.334	-0.0143	25	-66 1 56.36	-0.094	36	1.95	14.119	89	95.0	51.21	*	95.0		M4	1139	P -66 374		
95		7.8T	6 27.052	-0.0025	10	-65 26 29.47	0.031	11	0.59	27.176	19	99.3	31.22	19	93.6	K0	GC	6295	P -65 428		
96		8.9T	6 40.770	0.0019	07	-61 52 8.16	0.017	08	0.42	40.677	15	99.8	9.10	15	96.0	B5	GC	6303	P -61 411		
97	8.7	8.6W	6 59.960	0.0038	07	-62 48 53.66	0.074	07	0.14	59.945	14	46.1	53.95	14	46.1	F0	CO	1146	P -62 425		
98		5.2T	7 10.359	0.0030	08	-63 27 44.66	-0.040	06	0.31	10.244	14	11.5	42.94	12	07.5	MB	GC	6314	P*-63 420		
99	10.0	8.9W	7 25.232	-0.0013	13	-62 6 35.31	0.013	13	0.15	25.237	14	46.1	35.36	14	46.1	K0	CO	1148	P -62 426		
00		9.0	8 35.814	-0.0062	25	-68 32 18.57	0.005	36	1.60	36.113	53	02.0	18.83	63	02.0		M4	1151	P -68 321		

249200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-60° 5H DM NUMBER
1		8.9	5 8 53.140	0.0047	25	-67 13 49.83	0.001	36	1.80	52.881	53	95.1	49.88	63	95.1		M4	1152	F -67 392
2	9.4	9.0W	9 1.187	0.0004	15	-62 37 31.42	0.032	15	0.15	1.185	14	46.1	31.55	14	46.1	F5	C0	1154	F -62 430
3		9.2	9 5.118	-0.0043	25	-66 14 11.29	-0.085	36	1.80	5.353	53	95.0	6.63	63	95.0		M4	1154	F -66 378
4		8.7	9 7.792	-0.0083	25	-65 11 31.17	0.007	36	1.40	8.131	53	09.0	31.45	63	09.0		M4	1153	F -65 435
5		7.7T	9 16.094	0.0016	12	-63 50 22.68	0.082	10	0.51	16.027	18	08.6	26.53	18	03.2	F0	GC	6365	F -63 426
6	9.9	9.8W	9 29.105	0.0023	13	-61 39 37.20	0.014	13	0.15	29.097	14	46.1	37.26	14	46.1	F5	C0	1158	F -61 415
7	10.1	9.7W	9 34.179	0.0006	09	-61 47 43.40	0.015	09	0.14	34.177	14	46.1	43.46	14	46.1	F8	C0	1160	F -61 416
8	10.2	8.5W	9 35.067	0.0020	07	-60 29 58.52	-0.010	07	0.14	35.059	14	46.1	58.48	14	46.1	MA	C0	1161	F -60 389
9		8.5	9 44.374	0.0028	33	-69 13 12.70	0.027	43	2.32	44.213	75	92.1	14.29	57	92.1		M3	655	
10		8.9T	9 48.287	0.0023	13	-69 46 34.10	0.037	12	0.69	48.174	22	00.1	36.07	21	97.2	F5	GC	6370	P*-69 336
11		8.8	9 50.688	-0.0073	25	-65 36 22.19	0.039	36	1.52	51.029	45	03.3	24.02	53	03.3		M4	1155	F -65 439
12		7.8	10 0.522	-0.0002	25	-66 29 2.75	-0.013	36	1.62	0.534	53	01.1	2.15	63	01.1		M4	1156	F -66 380
13	9.9	9.3W	10 0.612	0.0032	07	-60 21 31.66	-0.020	07	0.14	0.599	14	46.1	31.58	14	46.1	G5	C0	1163	F -60 395
14		8.6	10 49.141	-0.0002	25	-69 22 48.18	-0.040	36	1.59	49.151	53	02.1	46.27	63	02.1		M4	1161	F -69 337
15		8.9	11 11.270	-0.0063	33	-66 44 53.52	-0.052	43	2.32	11.635	75	92.0	50.50	57	92.0		M3	659	
16	8.9	8.4W	11 38.708	0.0157	07	-62 5 54.63	0.033	07	0.14	38.647	14	46.1	54.76	14	46.1	F5	C0	1167	F -62 439
17		7.6T	11 49.985	0.0020	14	-69 36 13.63	-0.009	12	0.69	49.888	21	02.3	13.19	19	98.8	K2	GC	6402	F -69 340
18		7.1T	11 50.680	0.0085	12	-65 14 4.26	0.061	10	0.57	50.270	21	02.1	7.39	18	98.5	F5	GC	6403	F -65 441
19	9.1	8.4W	12 27.811	0.0058	07	-60 2 30.25	0.135	07	0.14	27.789	14	46.1	30.78	14	46.1	G5	C0	1171	P*-60 395
20	10.0	10.1W	13 0.782	0.0037	13	-61 8 5.45	0.008	13	0.15	0.768	14	46.1	5.48	14	46.1	A2	C0	1173	F -61 422
21		8.5T	13 13.695	0.0018	11	-65 17 33.76	0.008	10	0.53	13.609	19	02.9	34.14	18	01.5	B8	GC	6433	F -65 443
22		8.8	13 33.976	-0.0084	25	-64 31 31.54	-0.029	36	1.78	34.437	53	95.1	29.94	53	95.1		M4	1169	F -64 431
23		8.9	13 41.872	-0.0272	25	-67 37 59.44	0.023	36	1.65	43.230	53	00.1	0.57	63	00.1		M4	1170	F -67 402
24		8.6T	13 45.413	-0.0006	13	-68 4 36.44	-0.003	12	0.69	45.444	22	01.2	36.27	21	98.1	F0	GC	6443	P -68 335
25		4.8M	13 47.396	0.0025	03	-67 14 29.96	0.034	03	0.11	47.306	05	13.9	31.18	05	14.1	K0	F4	196	F -67 401
26	8.3	8.0W	14 2.574	0.0024	05	-63 35 50.40	0.061	05	0.14	2.564	14	46.1	50.64	14	46.1	F0	C0	1176	F -63 436
27	10.2	9.8W	14 11.451	0.0055	09	-60 23 29.86	0.030	09	0.14	11.429	14	46.1	29.98	14	46.1	F5	C0	1178	F -60 398
28	8.8	8.5W	14 25.042	-0.0034	07	-63 7 44.12	0.006	07	0.14	25.056	14	46.1	44.15	14	46.1	F2	C0	1180	F -63 438
29	9.2	9.1W	14 45.867	-0.0000	07	-62 12 10.02	-0.042	07	0.14	45.867	14	46.1	9.86	14	46.1	F2	C0	1181	F -62 445
30	10.3	9.6W	15 5.985	-0.0030	09	-61 42 37.61	0.012	09	0.14	5.996	14	46.1	37.66	14	46.1	G5	C0	1185	F -61 429
31	9.2	7.6W	15 28.719	0.0009	07	-63 23 42.59	0.015	07	0.14	28.716	14	46.1	42.65	14	46.1	K0	C0	1189	F -63 441
32	9.5	8.1W	16 7.014	0.0022	07	-62 45 12.16	-0.003	07	0.14	7.005	14	46.1	12.15	14	46.1	K0	C0	1190	F -62 450
33	10.2	9.9W	16 13.957	-0.0023	12	-62 51 4.94	0.052	12	0.15	13.966	14	46.1	5.15	14	46.1	F0	C0	1192	F -62 451
34		8.5	16 25.716	0.0138	33	-68 11 14.06	-0.040	43	2.27	24.932	63	93.1	11.77	57	93.1		M3	673	
35	10.0	9.7W	16 33.039	0.0036	14	-62 39 40.86	-0.003	14	0.15	33.025	14	46.1	40.85	14	46.1	A5	C0	1194	F -62 452
36	9.4	9.5W	16 40.584	-0.0009	13	-62 26 33.13	0.006	13	0.15	40.587	14	46.1	33.15	14	46.1	A2	C0	1195	F -62 453
37		8.9	16 49.736	-0.0052	25	-67 35 44.58	0.013	36	1.45	49.960	53	07.1	45.13	63	07.1		M4	1178	P -67 410
38		9.1	16 54.309	-0.0012	33	-68 14 23.93	-0.010	43	2.28	54.378	75	93.1	23.35	57	93.1		M3	674	
39	10.3	10.1W	17 31.941	-0.0013	13	-61 32 42.51	0.011	13	0.15	31.946	14	46.1	42.56	14	46.1	G0	C0	1199	F -61 439
40	8.9	7.7W	17 40.122	0.0014	15	-62 0 6.79	0.069	15	0.15	40.117	14	46.1	7.06	14	46.1	K0	C0	1201	F -62 456
41		7.9T	17 49.644	-0.0061	10	-68 38 40.21	-0.014	09	0.56	49.967	19	97.3	39.42	18	92.0	K0	GC	6542	P -68 347
42		9.0	18 5.354	-0.0093	25	-65 34 49.68	0.059	36	1.68	5.827	53	99.1	52.69	63	99.1		M4	1182	F -65 452
43		8.6T	18 16.009	-0.0058	12	-68 31 0.22	-0.008	13	0.66	16.304	22	99.5	59.85	22	01.4	F5	GC	6557	P -68 350
44		7.1T	18 19.320	-0.0013	10	-63 2 5.61	0.010	09	0.49	19.379	18	05.7	5.10	17	00.7	K0	GC	6560	P -63 448
45	10.0	9.2W	18 25.382	0.0009	07	-60 4 23.16	0.004	07	0.14	25.379	14	46.1	23.18	14	46.1	K0	C0	1204	F -60 409
46		9.6T	19 14.557	-0.0032	14	-68 47 17.37	-0.011	14	0.71	14.709	24	03.0	16.87	24	02.8	G	GC	6580	P -68 355
47	10.1	9.9W	19 16.355	0.0040	11	-60 20 35.14	-0.015	11	0.15	16.339	14	46.1	35.08	14	46.1	G0	C0	1207	F -60 411
48		9.5T	19 21.615	-0.0036	14	-68 48 44.96	-0.028	14	0.71	21.785	24	03.0	43.66	24	02.8	G0	GC	6583	P -68 356
49		10.0T	19 24.864	-0.0017	14	-68 37 49.75	0.014	16	0.76	24.946	24	02.6	50.44	22	02.3	A0	GC	6584	P -68 357
50	9.0	7.7W	19 34.361	0.0034	07	-61 13 2.24	0.061	07	0.14	34.348	14	46.1	2.48	14	46.1	K0	C0	1208	F -61 445
51	9.3	8.5W	5 19 40.768	-0.0020	07	-63 7 16.96	0.023	07	0.14	40.776	14	46.1	17.05	14	46.1	G5	C0	1209	F -63 449
52		9.1	19 40.993	0.0037	25	-65 38 21.95	0.052	36	1.80	40.789	53	95.0	24.82	63	95.0		M4	1187	F -65 455
53		8.4	19 47.057	-0.0002	25	-66 29 32.98	-0.044	36	1.65	47.069	53	00.1	30.77	63	00.1		M4	1188	F -66 397
54		7.2T	19 52.311	-0.0006	09	-60 49 42.16	0.034	06	0.42	52.341	18	02.0	44.11	15	93.5	A2	GC	6601	P -60 413
55		7.6T	19 55.221	-0.0030	11	-66 6 25.00	0.049	10	0.63	55.381	21	96.5	27.78	19	93.5	F2	GC	6603	F -66 399
56	9.4	8.1W	20 28.866	0.0004	07	-63 34 23.00	0.061	07	0.14	28.864	14	46.1	23.24	14	46.1	K0	C0	1213	F -63 450
57		8.0T	20 40.690	-0.0015	12	-64 7 21.54	0.039	11	0.58	40.758	21	03.3	23.45	18	01.5	G5	GC	6621	F -64 439
58		8.1T	20 44.828	-0.0117	13	-64 22 56.88	0.157	11	0.61	45.346	19	05.5	4.48	19	01.7	F5	GC	6625	F -64 441
59	8.8	7.7W	22 13.527	0.0005	07	-62 56 27.76	-0.002	07	0.14	13.526	14	46.1	27.75	14	46.1	K0	C0	1218	F -63 454
60		8.8	22 40.697	0.0007	25	-67 24 10.64	-0.008	36	1.79	40.657	53	95.1	10.20	63	95.1		M4	1199	F -67 426
61	9.4	7.8W	22 43.805	-0.0004	07	-62 16 32.16	-0.001	07	0.14	43.807	14	46.1	32.16	14	46.1	K2	C0	1219	F -62 465
62	9.6	9.6W	22 49.669	-0.0020	11	-61 40 57.62	-0.016	11	0.15	49.677	14	46.1	57.56	14	46.1	A	C0	1220	F -61 454
63		9.4	23 5.250	0.0007	25	-66 28 4.13	-0.031	36	1.80	5.209	53	95.0	2.42	63	95.0		M4	1201	F -66 408
64		8.0T	23 19.572	-0.0011	12	-62 37 31.09	-0.049	11	0.57	19.626	21	02.9	28.74	19	02.4	F5	GC	6686	P -62 468
65	9.5	9.2W	23 57.642	0.0064	13	-62 24 46.84	0.030	13	0.15	57.617	14	46.1	46.96	14	46.1	F2	C0	1225	F -62 469
66		8.9	24 2.656	-0.0033	25	-69 32 51.93	-0.027	36	1.77	2.831	53	96.1	50.49	63	96.1		M4	1204	P -69 370
67	9.0	8.0W	24 27.838	0.0027	07	-61 8 53.76	0.004	07	0.14	27.828	14	46.1	53.78	14	46.1	K0	C0	1226	P -61 458
68	9.9	9.7W	24 51.793	0.0041	07	-60 40 12.64	-0.016	07	0.14	51.777	14	46.1	12.58	14	46.1	G5	C0	1228	P -60 417
69		8.9	25 11.462	-0.0033	25	-67 26 43.18	-0.034	36	1.65	11.626	53	00.1	41.49	63	00.1		M4	1207	P -67 430
70	9.1	8.1W	25 16.699	0.0035	07	-62 49 14.70	0.037	07	0.14	16.685	14	46.1	14.85	14	46.1	G5	C0	1229	P -62 472
71		9.0	25 22.172	-0.0023	33	-66 8 45.92	0.025	43	2.28	22.302	75	93.1	47.35	57	93.1		M3	687	
72		9.0	26 2.135	-0.0052	25	-66 29 17.09	-0.021	36	1.45	2.360	53	07.1	16.18	63	07.1		M4	1209	P -66 413
73		8.6	26 2.256	-0.0093	25	-69 38 12.86	0.082	36	1.65	2.718	53	00.1	16.96	63	00.1		M4	1211	P -69 373
74	9.9	9.2W	26 5.842	0.0016	07	-63 13 30.02	0.085	07	0.14	5.836	14	46.1	30.35	14	46.1	G5	C0	1231	F -63 457
75	10.0	9.9W	26 15.044	-0.0026	12	-63 44 2.16	0.073	12	0.15	15.054	14	46.1	2.44	14	46.1	F8	C0	1233	F -63 458
76		7.5T	26 25.241	0.0000	16	-64 21 55.13	0.019	11	0.66	25.239	21	05.5	56.06	19	01.9	A0	GC	6770	P -64 446
77		8.3	26 30.596	0.0046	25	-64 38 42.36	-0.088	36	1.45	30.398	53	07.1	38.58	63	07.1		M4	1210	F -64 447
78	9.6	9.3W	26 35.305	-0.0000	13	-62 31 47.31	0.010	13	0.15	35.305	14	46.1	47.35	14	46.1	F8	C0	1234	F -62 473
79		9.3	27 2.259	0.0008	25	-68 52 19.07	-0.030	36	1.77	2.218	53	96.1	17.47	63	96.1		M4	1220	P -68 373
80		7.0T	27 3.203	-0.0205	09	-60 27 15.71	-0.103	08	0.44	4.173	15	02.7	10.21	15	96.9	G0	GC	6787	P -60 424
81		6.1T	27 15.470	0.0006	08	-68 39 44.55	-0.021	07	0.46	15.439	18	95.2	43.30	15	89.5	F0	GC	6795K	P*-68 375
82		7.9T	27 25.356	-0.0015	16	-60 43 5.13	-0.061	14	0.69	25.423	21	06.7	2.40	21	05.5	K2	GC	6803	P -60 425
83	9.8	9.3W	27 45.125	0.0121	11	-61 18 3.70	0.046	11	0.15	45.078	14	46.1	3.88	14	46.1	G0	C0	1241	F -61 465
84	9.4	9.4W	27 47.101	-0.0018	07	-60 54 18.03	0.013	07	0.14	47.108	14	46.1	18.08	14	46.1	F5	C0	1242	F -60 428
85		8.7	27 53.442	-0.0032	25	-68 6 49.08	-0.036	36	1.59	53.596	53	02.1	47.34	63	02.1		M4	1224	P -68 377
86		6.8T	28 35.821	0.0084	09	-65 29 18.78	0.133	09	0.49	35.406	18	00.9	25.40	18	00.2	G0	GC	6821	F -65 475
87		8.6T	28 44.163	0.0009	16	-61 57 32.81	-0.010	12	0.65	44.126	22	06.4	32.35	21	05.6	K0	GC	6828	P -62 478
88		6.5T	28 49.893	0.0014	15	-62 21 5.48	-0.023	11	0.65	49.831	21	04.7	4.28	19	99.0	K2	GC	6832	P*-62 479
89	9.9	9.6W	28 50.214	0.0014	07	-60 2 13.87	0.028	07	0.14	50.209	14	46.1	13.98	14	46.1	F8	C0	1250	F -60 429
90		7.7T	28 52.638	0.0032	09	-61 51 39.27	0.007	07	0.42	52.498	17	05.5	39.58	15	02.0	K0	GC	6834	P -61 471
91		8.6	28 59.704	0.0047	25	-65 2 13.69	0.039	36	1.77	59.444	45	95.1	15.83	53	95.1		M4	1227	F -65 476
92	10.2		29 1.895	0.0048	11	-61 32 52.54	0.030	11	0.15	1.876	14	46.1	52.66	14	46.1	F5	C0	1252	F -61 472
93		8.1T	29 6.532	-0.0011	13	-66 43 30.08	-0.019	12	0.69	6.587	21	00.1	29.10	21	98.3	K0	GC	6838	P -66 418
94		8.4T	29 23.362	0.0000	15	-66 28 34.99	0.003	11	0.71	23.361	21	01.0	35.16	19	95.9	A0	GC	6845	P -66 421
95	10.2	10.0W	29 36.616	-0.0002	13	-62 29 3.70	-0.036	13	0.15	36.617	14	46.1	3.55	14	46.1	G0	C0	1253	F -62 481
96	9.5	9.4W	29 49.765	-0.0006	11	-60 50 37.66	-0.020	11	0.15	49.768	14	46.1	37.58	14	46.1	F5	C0	1254	P -60 430
97		6.3T	29 57.668	0.0013	08	-63 57 53.41	0.054	07	0.47	57.591	18	92.4	56.68	17	89.8	F0	GC	6858K	P -64 452
98	10.1	8.6W	30 49.666	0.0017	11	-60 49 20.22	0.067	11	0.15	49.660	14	46.1	20.48	14	46.1	K2	C0	1257	P -60 434
99		9.1	30 50.499	-0.0054	25	-65 30 17.19	0.061	36	1.58	50.758	53	02.4	20.07	63	02.4		M4	1235	P -65 479
00	10.7	9.2W	30 52.172	0.0030	07	-61 29 19.91	0.017	07	0.14	52.160	14	46.1	19.98	14	46.1	K2 O	C0	1258	F -61 477

249300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-60° 5H DM NUMBER
1	8.8	8.9W	5 30 59.960	0.0000	07	-61 29 16.70	0.019	07	0.14	59.960	14	46.1	16.78	14	46.1	A2		CO	1259	P -61 478
2		7.5T	31 4.892	0.0019	12	-61 34 33.18	-0.014	09	0.51	4.813	17	08.7	33.85	17	03.1	B9		GC	6887	P -61 479
3	9.7	9.4W	31 30.088	-0.0005	12	-60 59 43.59	-0.030	12	0.15	30.090	14	46.1	43.48	14	46.1	F5		CO	1261	P -61 480
4		8.5	31 37.284	-0.0074	25	-66 42 44.74	-0.049	36	1.45	37.603	53	07.1	42.65	63	07.1			M4	1237	P -66 426
5	10.0	9.8W	31 53.722	0.0013	13	-62 43 23.76	0.023	13	0.15	53.717	14	46.1	23.85	14	46.1	A5		CO	1262	P -62 483
6	8.6	7.7W	32 4.535	-0.0016	06	-60 9 29.12	-0.012	06	0.14	4.541	14	46.1	29.08	14	46.1	K0		CO	1263	P -60 436
7	10.0	10.1W	32 9.272	0.0082	13	-60 45 30.07	0.078	13	0.15	9.240	14	46.1	30.38	14	46.1	G0		CO	1265	P -60 437
8		7.3T	32 32.054	0.0030	16	-63 29 22.13	0.003	12	0.68	31.919	22	05.2	22.29	19	00.9	A0		GC	6923	P -63 460
9		5.3T	32 43.081	0.0059	06	-64 15 37.61	-0.011	06	0.25	42.846	10	10.1	37.15	09	08.4	G5		GC	6927	P -64 456
10		9.1	32 49.206	-0.0064	25	-69 15 6.16	-0.083	36	1.65	49.524	53	00.1	2.00	63	00.1			M4	1242	P -69 391
11		3.8N	33 11.331	0.0002	03	-62 31 20.20	0.007	02	0.11	11.322	05	15.8	20.45	05	15.0	F5P		F4	212V	P -62 487
12	9.5	8.1W	33 30.736	0.0052	07	-63 34 47.18	0.042	07	0.14	30.716	14	46.1	47.34	14	46.1	K2		CO	1273	P -63 463
13	8.7	8.3W	33 47.876	0.0039	12	-60 8 9.36	0.031	12	0.15	47.861	14	46.1	9.48	14	46.1	F8		CO	1274	P -60 441
14		6.4T	34 24.643	0.0008	09	-61 12 22.77	-0.022	07	0.46	24.603	18	00.8	21.51	15	92.2	K0		GC	6978	P -61 488
15		8.3T	34 31.664	-0.0020	12	-60 55 20.38	0.035	09	0.55	31.758	19	02.9	22.21	18	98.1	K5		GC	6980	P -60 444
16		7.8	34 52.167	-0.0004	25	-68 14 8.95	0.028	36	1.45	52.183	53	07.1	10.15	63	07.1			M4	1247	P -68 391
17		8.8	35 6.032	-0.0084	25	-67 30 17.48	0.077	36	1.54	6.435	36	02.1	21.18	45	02.1			M4	1248	P -67 473
18		9.0	35 7.722	-0.0024	25	-69 30 8.58	-0.015	36	1.40	7.825	45	07.6	7.94	53	07.6			M4	1249	P -69 396
19	9.1	8.2W	35 8.960	0.0028	07	-62 4 51.89	-0.059	07	0.14	8.949	14	46.1	51.65	14	46.1	G5		CO	1280	P -62 493
20		8.4	36 19.889	-0.0024	25	-66 19 10.65	-0.014	36	1.65	20.010	53	00.1	9.93	63	00.1			M4	1254	P -66 437
21		9.2	36 25.276	-0.0034	33	-65 0 55.78	-0.037	43	2.28	25.470	75	93.1	53.70	57	93.1			M3	711	
22		6.4T	36 54.642	-0.0035	06	-66 35 18.58	0.008	05	0.29	54.792	10	06.5	18.99	12	01.3	A0		GC	7054	P*-66 439
23	10.2	9.9W	37 16.643	-0.0017	13	-60 40 17.55	0.007	13	0.15	16.649	14	46.1	17.58	14	46.1	G0		CO	1287	P -60 445
24		8.2T	37 26.724	0.0004	16	-61 31 14.24	0.028	15	0.74	26.707	21	08.2	15.46	21	06.8	K0		GC	7069K	P*-61 491
25	8.8	8.6W	37 32.670	-0.0027	11	-60 5 8.96	0.004	11	0.15	32.681	14	46.1	8.98	14	46.1	F0		CO	1290	P -60 446
26		8.8	37 43.589	0.0126	25	-68 45 23.80	-0.044	36	1.77	42.910	53	96.1	21.41	63	96.1			M4	1258	P -68 403
27		8.2T	37 53.642	-0.0019	15	-61 11 39.42	0.009	11	0.63	53.724	21	06.3	39.87	19	01.6	A0		GC	7079	P -61 493
28		8.7	38 26.437	0.0106	33	-69 59 12.00	0.142	43	2.28	25.835	75	93.1	20.07	57	93.1			M3	714	
29		6.3Q	39 3.476	0.0058	12	-69 7 35.21	0.004	16	0.94	3.098	29	85.0	35.45	26	86.7	S3		GC	7114K	P*-69 456
30		8.3T	39 42.434	0.0014	10	-62 57 42.15	-0.037	10	0.49	42.370	18	04.6	40.38	19	01.8	K2		GC	7132	P -62 501
31	10.0	9.7W	39 54.415	-0.0006	07	-62 40 18.20	0.012	07	0.14	54.417	14	46.1	18.25	14	46.1	F2		CO	1299	P -62 502
32	9.9	9.8W	40 35.902	-0.0018	08	-61 52 51.26	-0.002	08	0.14	35.909	14	46.1	51.26	14	46.1	F0		CO	1301	P -61 497
33	10.0	10.0W	41 18.562	0.0005	11	-60 45 4.67	0.027	11	0.15	18.560	14	46.1	4.78	14	46.1	F8		CO	1304	P -60 450
34		7.5T	41 32.863	0.0032	10	-68 47 33.42	0.015	11	0.60	32.694	21	97.3	34.24	19	94.7	K5		GC	7171	P -68 418
35		7.0T	41 34.182	0.0003	10	-62 56 10.84	-0.010	08	0.51	34.166	19	98.4	10.31	17	95.6	A0		GC	7172	P -62 506
36		7.1T	41 49.024	-0.0018	12	-67 25 30.45	0.001	12	0.66	49.116	22	99.8	30.52	21	96.6	A0		GC	7177	P -67 492
37		8.7T	42 19.703	0.0026	13	-68 44 0.37	-0.018	17	0.72	19.582	21	03.5	59.54	21	04.7	G5		GC	7195K	P*-68 420
38	9.1	9.5W	42 27.957	-0.0031	07	-60 53 21.52	0.015	07	0.14	27.970	14	46.1	21.58	14	46.1	A0		CO	1308	P -60 456
39		7.7T	42 46.003	0.0066	12	-67 9 33.54	-0.033	11	0.62	45.674	19	99.9	31.81	19	97.1	F8		GC	7205K	P*-67 496
40		8.8	43 28.827	0.0156	33	-68 36 51.67	-0.036	43	2.28	27.940	75	93.1	49.61	57	93.1			M3	724	
41		7.6T	43 49.870	0.0025	12	-68 6 5.58	0.036	10	0.64	49.738	21	97.7	7.64	18	92.9	K0		GC	7223	P -68 431
42		9.2	43 51.235	0.0086	25	-65 30 33.33	0.023	36	1.80	50.765	53	95.1	34.57	63	95.1			M4	1277	P -65 494
43		9.3	44 27.722	-0.0024	25	-69 30 20.19	0.001	36	1.71	27.853	36	96.4	20.23	45	96.4			M4	1281	P -69 517
44		10.2T	44 34.169	-0.0031	20	-60 56 10.04	-0.005	14	0.81	34.306	24	05.7	9.81	22	02.2	F2		GC	7242	P -60 467
45	10.1	9.3W	44 40.287	0.0019	09	-60 32 45.46	-0.022	09	0.14	40.279	14	46.1	45.38	14	46.1	G5	O	CO	1315	P -60 468
46		4.5H	44 40.928	-0.0043	03	-65 45 15.24	0.007	02	0.11	41.087	05	12.9	15.50	06	11.7	A5		F4	1154	P -65 496
47	10.0	9.3W	44 47.875	0.0014	07	-60 43 56.16	-0.022	07	0.14	47.870	14	46.1	56.08	14	46.1	G5	O	CO	1316	P -60 469
48	8.8	8.9W	44 49.175	-0.0031	15	-62 56 5.30	0.013	15	0.15	49.187	14	46.1	5.35	14	46.1	A3		CO	1317	P -62 512
49		8.5T	44 53.519	-0.0033	12	-60 44 24.34	0.014	11	0.58	53.670	19	04.3	25.05	18	99.7	A0		GC	7251	P -60 470
50		7.5T	45 28.942	-0.0001	11	-61 14 50.94	0.024	09	0.51	28.946	18	03.6	52.18	18	98.6	K0		GC	7269	P -61 517
51	9.9		5 45 47.818	-0.0006	14	-61 10 46.88	-0.001	14	0.15	47.820	14	46.1	46.88	14	46.1	A0		CO	1320	P -61 519
52	10.0	9.7W	46 11.105	0.0010	09	-60 20 40.35	0.007	09	0.14	11.101	14	46.1	40.38	14	46.1	F8	O	CO	1324	P -60 475
53		8.1T	46 14.911	-0.0059	14	-67 43 35.47	-0.010	12	0.67	15.190	21	02.7	34.96	19	98.7	A0		GC	7291K	P -67 509
54	9.5	9.5W	46 29.597	-0.0053	12	-63 17 17.98	0.017	12	0.15	29.618	14	46.1	18.05	14	46.1	A3		CO	1325	P -63 481
55		8.4	46 33.286	-0.0014	25	-65 30 13.58	0.064	36	1.62	33.356	53	01.1	16.69	63	01.1			M4	1291	P -65 501
56	11.2		47 27.815	-0.0034	09	-61 57 45.47	-0.182	09	0.14	27.829	14	46.1	44.76	14	46.1	G8	O	CO	1328	P*-61 526
57		8.7T	47 35.346	0.0017	16	-61 13 6.60	0.037	10	0.62	35.273	19	07.6	8.40	18	01.6	A0		GC	7321	P -61 528
58	10.5		47 47.214	0.0059	07	-60 12 19.22	-0.011	07	0.14	47.191	14	46.1	19.18	14	46.1	G0	O	CO	1330	P -60 481
59	9.7	9.6W	48 0.029	-0.0053	07	-61 2 59.67	0.002	07	0.14	0.050	14	46.1	59.68	14	46.1	F0		CO	1332	P -61 530
60	10.0	8.8W	48 6.156	-0.0013	07	-60 19 52.27	0.002	07	0.14	6.161	14	46.1	52.28	14	46.1	K0		CO	1333	P -60 482
61		7.5	48 19.483	-0.0044	25	-66 38 50.25	-0.052	36	1.65	19.709	45	99.1	47.62	53	99.1			M4	1299	P -66 457
62		7.6T	48 25.669	0.0019	11	-65 10 54.80	-0.017	10	0.56	25.576	19	01.1	53.97	18	00.3	K0		GC	7343	P -65 504
63		9.1T	48 26.766	-0.0047	13	-69 45 51.52	0.009	14	0.66	26.977	21	05.3	51.92	22	04.6	M0		GC	7344	P -69 524
64		7.5T	49 1.501	0.0005	10	-60 41 22.10	0.006	08	0.49	1.477	18	02.7	22.42	17	99.0	K2		GC	7356	P -60 487
65		9.3T	49 12.446	-0.0007	18	-60 49 7.37	0.031	18	0.79	12.476	21	08.6	8.70	19	07.4	F0		GC	7365	P -60 488
66		8.1T	49 51.279	-0.0035	16	-62 5 30.37	-0.040	12	0.66	51.432	21	06.1	28.48	19	02.5	F2		GC	7381	P -62 529
67		9.5T	49 56.495	0.0006	12	-69 48 3.11	0.004	13	0.67	56.467	24	01.6	3.29	22	02.1	F2		GC	7383	P -69 529
68		5.1T	49 56.616	-0.0026	05	-66 54 49.45	0.014	04	0.22	56.729	09	07.0	50.10	09	04.3	B5		GC	7384	P*-66 463
69	9.1	8.8W	50 16.499	-0.0019	07	-63 35 33.66	-0.006	07	0.14	16.506	14	46.1	33.64	14	46.1	F5		CO	1343	P -63 491
70		9.1T	50 22.826	0.0020	13	-61 26 10.35	0.041	11	0.57	22.738	19	06.5	12.24	19	04.2	F5		GC	7399	P -61 534
71		8.4	50 23.929	0.0026	25	-67 3 43.13	0.082	36	1.72	23.791	36	96.1	47.58	45	96.1			M4	1307	P -67 516
72		8.8T	50 25.814	0.0009	14	-69 41 49.68	-0.021	14	0.71	25.772	24	02.9	48.67	24	02.6	K5		GC	7400	P -69 530
73		8.0T	50 30.195	0.0001	12	-65 16 19.84	0.013	10	0.58	30.190	19	02.4	20.52	18	99.1	A0		GC	7403	P -65 507
74	9.7	9.4W	50 36.791	0.0008	07	-63 20 18.78	0.068	07	0.14	36.788	14	46.1	19.05	14	46.1	G0	O	CO	1346	P -63 492
75		9.2	50 47.241	-0.0124	33	-69 15 14.82	0.013	43	2.32	47.959	75	92.0	15.56	57	92.0			M3	741	
76		6.4T	51 6.566	-0.0016	09	-64 2 39.76	0.015	07	0.47	6.652	19	97.0	40.60	17	94.3	+++		GC	7411	P*-64 486
77	8.0	8.0W	51 11.621	-0.0037	07	-63 32 30.35	-0.001	07	0.14	11.636	14	46.1	30.34	14	46.1	A3		CO	1349	P -63 495
78		7.8T	51 29.252	-0.0045	12	-69 54 44.53	-0.055	11	0.64	29.481	22	99.2	41.59	21	96.7	F2		GC	7421K	P -69 534
79	9.0	9.4W	51 34.994	0.0016	13	-62 31 39.91	0.010	13	0.15	34.987	14	46.1	39.95	14	46.1	B9		CO	1351	P -62 537
80		9.2T	52 15.560	-0.0054	13	-69 48 39.56	0.031	16	0.73	15.819	24	02.2	41.00	24	03.3	F5		GC	7444	P -69 536
81		6.9T	52 45.878	0.0008	08	-61 50 53.07	-0.008	08	0.43	45.839	18	01.5	52.68	17	99.7	A0		GC	7455K	P*-61 541
82		8.6T	52 53.854	-0.0022	14	-61 24 42.18	-0.010	12	0.60	53.947	19	07.5	41.74	19	05.1	A0		GC	7458	P -61 543
83	10.1		53 0.629	0.0003	12	-62 48 48.44	0.052	12	0.15	0.628	14	46.1	48.65	14	46.1	A2		CO	1357	P -62 539
84	10.8	9.9W	53 8.030	-0.0022	09	-61 53 11.96	0.024	09	0.14	8.039	14	46.1	12.06	14	46.1	K0	O	CO	1358	P -61 548
85		8.0W	53 9.348	0.0000	06	-63 19 28.68	-0.008	06	0.14	9.348	14	46.1	28.65	14	46.1	A0		CO	1359	P -63 497
86		8.1	53 13.395	0.0056	25	-64 40 35.26	0.032	36	1.77	13.085	45	95.1	37.04	53	95.1			M4	1318	P -64 493
87	9.8	9.3W	53 15.385	-0.0040	09	-60 5 42.90	-0.030	09	0.14	15.401	14	46.1	42.78	14	46.1	G5		CO	1361	P -60 506
88		7.1T	53 26.765	-0.0053	15	-60 1 48.56	-0.055	12	0.63	26.995	19	06.5	45.96	18	02.6	G5		GC	7474	P -60 508
89		9.1	53 29.490	-0.0024	25	-69 6 21.70	-0.036	36	1.79	29.621	53	95.1	19.71	63	95.1			M4	1321	P -69 540
90		4.5T	53 43.026	0.0206	05	-63 6 17.08	0.543	06	0.26	42.148	12	07.4	40.13	12	07.6	K0		GC	7477	P*-63 498
91		6.6T	53 58.200	-0.0005	07	-64 29 25.24	0.063	05	0.28	58.220	12	10.9	27.99	12	06.4	F2		GC	7486	P -64 495
92		8.4	54 52.366	-0.0034	25	-65 53 26.99	-0.024	36	1.56	52.527	53	03.1	25.84	63	03.1			M4	1325	P -65 523
93	10.4	9.5W	54 58.075	0.0013	07	-60 33 33.17	0.027	07	0.14	58.069	14	46.1	33.28	14	46.1	K0		CO	1369	P -60 511
94	10.1	10.0W	55 25.256	-0.0005	12	-63 5 28.65	-0.001	12	0.15	25.258	14	46.1	28.65	14	46.1	F0		CO	1370	P -63 502
95		8.3T	55 36.200	-0.0007	18	-61 27 10.16	0.062	12	0.69	36.228	18	08.5	12.89	21	06.1	F0		GC	7528	P -61 552
96		9.0	55 37.732	-0.0014	25	-67 34 19.34	-0.033	36	1.59	37.799	53	02.1	17.76	63	02.1			M4	1327	P -67 530
97		8.7T	55 49.454	0.0029	11	-60 35 21.66	0.098	10	0.50	49.329	18	06.6	26.36	18	02.1	F5		GC	7541	P -60 515
98		7.5T	55 50.313	0.0020	13	-68 3 11.26	0.076	11	0.65	50.211	21	99.4	15.50	18	94.4	K0		GC	7542	P -68 456
99	10.6		55 57.952	0.0004	09	-60 8 39.79	0.022	09	0.14	57.951	14	46.1	39.88	14	46.1	F6	O	CO	1375	P -60 516
00		8.7	56 5.066	0.0106	25	-67 4 26.25	0.099	36	1.71	4.496	31	96.1	31.61	45	96.1			M4	1329	P -67 531

249400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 5H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.7	8.5W	5 56 22.036	0.0017	07	-60 50 19.04	0.010	07	0.14	22.030	14	46.1	19.08	14	46.1	K0	C0	1376	P -60 519
2		8.3	56 52.110	0.0056	25	-66 18 53.91	-0.035	36	1.56	51.849	53	03.1	52.25	63	03.1		M4	1332	P -66 478
3		8.1T	57 38.481	0.0058	11	-69 28 55.60	0.074	11	0.59	38.192	19	00.5	59.55	18	96.4	F5	GC	7593	P -69 549
4	10.2	9.1W	57 50.613	0.0013	07	-62 45 25.78	-0.033	07	0.14	50.607	14	46.1	25.65	14	46.1	K0	C0	1381	P -62 552
5	9.3	8.4W	58 5.442	0.0014	13	-64 9 54.27	0.121	13	0.15	5.437	14	46.1	54.74	14	46.1	K0	C0	1382	P -64 503
6	8.9	9.0W	58 28.101	-0.0020	07	-61 46 21.16	0.000	07	0.14	28.109	14	46.1	21.16	14	46.1	A2	C0	1384	P -61 561
7	10.0	9.9W	58 47.094	0.0015	15	-63 22 59.53	-0.021	15	0.15	47.088	14	46.1	59.45	14	46.1	F0	C0	1386	P -63 506
8		8.2	59 0.406	0.0036	33	-69 51 28.19	0.016	43	2.28	0.202	75	93.1	29.09	57	93.1		M3	752	
9		8.6T	59 4.151	0.0001	12	-60 28 59.61	0.057	11	0.58	4.145	21	04.5	2.44	19	00.5	F2	GC	7620	P -60 527
10	8.4	8.3W	59 30.495	0.0018	07	-62 48 33.99	0.016	07	0.14	30.488	14	46.1	34.05	14	46.1	F5	C0	1390	P -62 558
11		9.2T	59 31.703	-0.0002	11	-65 26 52.52	0.014	14	0.61	31.713	21	03.4	53.14	21	06.6	A0	GC	7632	P -65 531
12	9.8		59 34.036	0.0069	14	-61 49 41.69	0.016	14	0.15	34.009	14	46.1	41.76	14	46.1	A0	C0	1391	P -61 563
13	9.1	8.9W	59 51.286	-0.0058	08	-61 59 48.73	-0.123	08	0.14	51.309	14	46.1	48.25	14	46.1	F2	C0	1392	P -61 564
14		8.9T	59 51.397	0.0006	14	-60 29 34.75	-0.079	11	0.59	51.370	19	07.7	31.15	19	04.3	G5	GC	7645	P -60 530
15		6.9T	59 53.039	0.0008	12	-64 16 37.77	0.023	11	0.59	53.001	21	02.8	38.92	19	00.5	K0	GC	7648	P -64 510
16	9.6	9.6W	6 0 7.794	0.0039	13	-62 16 8.39	0.017	13	0.15	7.779	14	46.1	8.45	14	46.1	A0	C0	1394	P -62 561
17	9.0	8.6W	0 12.742	0.0011	07	-62 48 42.65	-0.001	07	0.14	12.738	14	46.1	42.65	14	46.1	G0	C0	1395	P -62 563
18	8.4	8.6W	0 13.832	0.0030	13	-60 53 31.73	0.063	13	0.15	13.820	14	46.1	31.98	14	46.1	A0	C0	1396	P -60 531
19		9.0	0 16.004	-0.0034	33	-66 13 26.27	-0.055	43	2.32	16.203	75	92.0	23.05	57	92.0		M3	754	
20	9.9	9.4W	0 23.379	0.0028	07	-62 52 10.26	-0.081	07	0.14	23.368	14	46.1	9.95	14	46.1	G0	C0	1397	P -62 564
21		7.3T	0 38.906	0.0031	10	-60 29 4.34	0.013	08	0.47	38.766	18	05.2	4.99	17	01.0	G5	GC	7666	P -60 534
22	10.0	8.4W	0 47.007	0.0003	09	-63 43 43.49	0.038	09	0.14	47.006	14	46.1	43.64	14	46.1	K5	C0	1399	P -63 511
23	10.1	9.4W	1 15.331	0.0026	09	-60 13 21.85	-0.096	09	0.14	15.321	14	46.1	21.48	14	46.1	K0	C0	1401	P -60 536
24		6.5T	1 31.649	0.0012	08	-60 5 41.00	0.004	07	0.47	31.583	18	96.1	41.25	17	91.1	M0	GC	7686	P*-60 537
25		7.0T	1 42.699	-0.0080	13	-64 51 27.34	-0.051	11	0.59	43.062	19	04.9	24.94	18	02.5	G0	GC	7689	P*-64 512
26	9.2	9.0W	1 50.729	-0.0044	07	-63 32 34.55	-0.001	07	0.14	50.746	14	46.1	34.54	14	46.1	F8	C0	1403	P -63 517
27	9.4	9.4W	1 59.845	-0.0010	09	-61 42 36.60	-0.011	09	0.14	59.848	14	46.1	36.56	14	46.1	F0	C0	1404	P -61 568
28		8.4T	2 22.982	0.0011	15	-60 38 26.32	0.002	12	0.61	22.936	19	07.9	26.42	19	06.1	F2	GC	7707	P -60 541
29	9.5	9.4W	2 23.126	-0.0029	11	-62 40 20.47	-0.007	11	0.15	23.137	14	46.1	20.45	14	46.1	F0	C0	1407	P -62 569
30	9.7	9.5W	2 25.156	0.0066	13	-61 11 27.69	0.098	13	0.15	25.130	14	46.1	28.08	14	46.1	F8	C0	1408	P -61 569
31	9.5	8.6W	2 52.357	0.0002	07	-63 44 53.78	0.041	07	0.14	52.356	14	46.1	53.94	14	46.1	K0	C0	1409	P -63 519
32	8.9	8.0W	2 59.297	0.0023	06	-63 21 6.26	-0.003	06	0.14	59.288	14	46.1	6.25	14	46.1	K0	C0	1410	P -63 520
33		8.8	3 0.400	-0.0034	25	-65 15 8.90	0.024	36	1.71	0.576	53	98.2	10.16	63	98.2		M4	1341	P -65 542
34	10.5	9.4W	3 7.109	0.0001	09	-62 11 40.86	-0.028	09	0.14	7.109	14	46.1	40.75	14	46.1	K0	C0	1411	P -62 571
35		7.3T	3 14.198	-0.0034	10	-67 18 21.37	0.018	11	0.59	14.374	19	96.8	22.35	19	96.4	A2	GC	7728	P -67 549
36		9.1	3 16.473	-0.0144	25	-69 25 36.36	0.051	36	1.80	17.263	53	95.1	39.14	63	95.1		M4	1346	P -69 563
37	9.4	9.4W	3 30.509	-0.0002	06	-62 19 36.51	0.011	06	0.14	30.509	14	46.1	36.56	14	46.1	F0	C0	1413	P -62 574
38		9.0T	3 55.735	0.0017	15	-60 35 51.76	-0.015	11	0.60	55.663	19	07.1	51.09	18	04.8	K0	GC	7743	P -60 549
39		9.0	4 0.595	-0.0044	25	-68 31 23.18	0.005	36	1.65	0.814	53	00.1	23.42	63	00.1		M4	1348	P -68 467
40	10.0	9.7W	4 15.097	-0.0006	09	-62 7 16.75	0.001	09	0.14	15.099	14	46.1	16.76	14	46.1	G0	C0	1416	P -62 577
41	9.6	8.1W	4 32.374	0.0061	09	-61 16 36.05	0.032	09	0.14	32.350	14	46.1	36.18	14	46.1	K2	C0	1417	P -61 573
42	9.3	8.6W	4 48.974	0.0013	06	-62 17 19.56	0.076	06	0.14	48.969	14	46.1	19.86	14	46.1	G5	C0	1418	P -62 579
43		9.1T	5 4.558	-0.0020	11	-60 5 58.48	0.010	10	0.51	4.645	19	05.7	58.94	18	04.7	K0	GC	7783	P -60 550
44		7.9T	5 12.828	-0.0093	12	-61 44 31.18	0.015	10	0.60	13.279	18	01.5	31.97	17	97.8	G0	GC	7787	P -61 577
45		8.8	5 50.148	-0.0054	25	-65 18 3.13	-0.038	36	1.79	50.444	53	95.1	1.06	63	95.1		M4	1355	P -65 549
46	9.5	9.3W	6 3.999	0.0029	07	-63 3 13.56	-0.002	07	0.14	3.988	14	46.1	13.55	14	46.1	F5	C0	1423	P -63 524
47	10.1	9.0W	6 5.311	0.0029	09	-61 1 7.32	0.016	09	0.14	5.300	14	46.1	7.38	14	46.1	K2	C0	1424	P -61 583
48		5.8T	6 5.892	0.0030	06	-66 1 57.37	-0.025	05	0.27	5.759	10	05.1	58.55	10	01.8	B9	GC	7813	P*-66 493
49	10.4	9.5W	6 8.552	0.0031	09	-60 33 31.75	-0.018	09	0.14	8.539	14	46.1	31.68	14	46.1	K0	C0	1425	P -60 554
50		8.1	6 30.651	0.0016	25	-67 24 46.06	0.049	36	1.68	30.569	45	98.2	48.62	53	98.2		M4	1358	P -67 555
51		5.0T	6 6 35.965	0.0028	06	-62 8 43.39	-0.076	06	0.27	35.845	09	07.3	40.02	09	05.5	K0	GC	7825	P*-62 582
52		8.6	6 42.283	-0.0144	25	-69 57 8.33	0.014	36	1.79	43.072	53	95.1	58.58	63	95.1		M4	1360	P -69 572
53		6.9T	6 56.613	0.0024	11	-67 16 30.41	0.001	10	0.62	56.487	21	96.8	30.49	18	93.1	K0	GC	7833	P -67 557
54	9.7	9.8W	7 10.211	-0.0019	07	-61 41 14.52	0.009	07	0.14	10.218	14	46.1	14.56	14	46.1	A2	C0	1428	P -61 590
55	9.7	9.9W	7 49.802	0.0011	06	-63 17 53.78	-0.009	06	0.14	49.798	14	46.1	53.75	14	46.1	A2	C0	1430	P -63 528
56	10.6	9.0W	7 59.348	0.0000	07	-63 12 43.39	-0.011	07	0.14	59.348	14	46.1	43.35	14	46.1	K5	C0	1431	P -63 529
57	9.9	9.5W	8 9.271	0.0059	13	-62 58 17.12	0.057	13	0.15	9.248	14	46.1	17.35	14	46.1	G0	C0	1433	P -62 585
58	9.3	9.3W	8 11.470	0.0011	06	-63 35 18.35	0.023	06	0.14	11.466	14	46.1	18.44	14	46.1	A2	C0	1434	P -63 531
59	9.1	9.6W	8 21.772	0.0004	07	-61 19 21.82	0.015	07	0.14	21.770	14	46.1	21.88	14	46.1	A0	C0	1435	P -61 593
60		8.5T	8 52.005	0.0001	12	-65 4 33.35	-0.007	11	0.57	52.001	19	02.3	33.02	18	00.8	K0	GC	7862	P*-65 555
61		5.2H	9 3.543	-0.0093	04	-68 49 58.38	0.019	03	0.14	3.826	10	19.7	58.90	08	22.1	B9	F4	1166	P -68 474
62		7.6T	9 58.182	0.0007	13	-65 18 0.31	0.028	11	0.59	58.150	19	03.9	1.70	18	01.0	K0	GC	7908	P -65 557
63		9.3	10 3.552	0.0095	25	-66 31 36.42	0.053	36	1.80	3.028	53	95.1	39.35	63	95.1		M4	1369	P -66 498
64		7.5T	10 21.886	0.0004	11	-61 29 14.47	0.029	10	0.53	21.866	18	02.3	15.93	18	99.8	F0	GC	7919	P -61 597
65	10.4	9.5W	10 23.128	0.0049	09	-62 0 33.39	-0.008	09	0.14	23.109	14	46.1	33.36	14	46.1	G5	C0	1442	P -61 599
66		9.2	10 37.592	-0.0014	25	-67 27 5.81	0.025	36	1.71	37.665	53	98.1	7.12	63	98.1		M4	1373	P -67 561
67		8.6T	10 44.177	-0.0049	11	-60 2 48.17	-0.017	09	0.49	44.400	18	04.2	47.38	17	02.5	F0	GC	7935	P -60 562
68		8.4T	10 50.782	0.0003	12	-60 19 8.97	-0.002	11	0.55	50.768	18	06.8	8.89	18	05.3	A0	GC	7939K	P*-60 563
69		4.9T	11 8.481	-0.0040	05	-65 34 39.16	0.113	05	0.26	8.672	10	02.7	44.38	12	03.6	MB	GC	7946	P*-65 561
70	8.5	8.7W	11 13.940	0.0026	06	-60 48 57.38	0.026	06	0.14	13.930	14	46.1	57.48	14	46.1	B9	C0	1448	P -60 565
71	10.0	9.0W	11 32.337	0.0027	13	-63 54 55.58	-0.010	13	0.15	32.326	14	46.1	55.54	14	46.1	K0	C0	1449	P -63 535
72		8.6T	11 39.436	0.0012	13	-60 14 29.46	0.025	10	0.60	39.360	19	04.7	30.73	18	99.6	K2	GC	7960	P -60 567
73		8.1T	11 44.475	-0.0012	12	-65 32 3.28	0.008	12	0.57	44.530	21	05.5	3.62	19	04.6	K2	GC	7963	P -65 564
74		8.2T	11 48.608	-0.0002	14	-69 44 49.82	0.062	12	0.67	48.618	21	02.6	53.01	19	98.6	F0	GC	7965	P*-69 580
75		6.7T	12 1.167	-0.0009	08	-61 27 33.15	0.009	07	0.43	1.212	18	98.9	33.65	15	95.9	B9	GC	7973K	P*-61 607
76		8.6T	12 1.797	-0.0012	11	-60 13 9.93	0.016	10	0.53	1.851	19	03.9	10.71	18	01.9	G5	GC	7974	P -60 570
77		7.1T	12 3.814	0.0020	09	-65 31 6.51	0.150	10	0.51	3.710	19	97.0	13.96	18	00.2	F5	GC	7976K	P -65 565
78		8.5T	12 7.062	0.0048	10	-65 31 16.36	0.142	11	0.52	6.833	19	01.8	23.08	19	02.5	G	GC	7979K	P -65 566
79	9.0	9.0W	12 28.572	0.0001	07	-60 26 48.90	-0.005	07	0.14	28.571	14	46.1	48.88	14	46.1	A3	C0	1454	P -60 571
80	9.0	8.8W	12 30.892	0.0009	06	-62 3 20.17	-0.029	06	0.14	30.889	14	46.1	20.06	14	46.1	F5	C0	1455	P -62 598
81		8.5	13 1.299	-0.0014	25	-69 13 29.76	-0.006	36	1.44	1.358	53	07.5	29.49	63	07.5		M4	1379	P -69 582
82	10.0		13 13.957	0.0015	07	-60 12 28.64	0.010	07	0.14	13.951	14	46.1	28.68	14	46.1	A3	C0	1459	P -60 573
83		9.2	13 21.498	-0.0134	25	-65 28 2.43	-0.009	36	1.71	22.192	53	98.2	1.98	63	98.2		M4	1378	P -65 570
84		8.8	13 26.623	-0.0084	25	-69 21 30.64	-0.071	36	1.68	27.048	53	99.2	27.02	63	99.2		M4	1381	P -69 584
85	10.3	9.7W	13 32.726	-0.0008	07	-60 33 34.19	-0.055	07	0.14	32.729	14	46.1	33.98	14	46.1	K0	C0	1461	P -60 575
86		7.6T	13 41.896	-0.0025	11	-66 39 50.47	0.069	10	0.58	42.026	19	99.0	54.25	19	95.5	F5	GC	8034	P -66 504
87		9.3T	13 44.565	-0.0002	15	-66 47 0.55	0.002	17	0.77	44.576	24	03.7	0.66	24	03.9	M0	GC	8035	P -66 506
88	8.6	8.4W	14 24.379	0.0052	06	-62 16 1.80	0.090	06	0.14	24.359	14	46.1	2.16	14	46.1	F8	C0	1464	P -62 601
89	10.3		14 26.121	0.0028	09	-60 47 22.73	0.011	09	0.14	26.110	14	46.1	22.78	14	46.1	F0	C0	1465	P -60 579
90	9.9	9.8W	14 37.620	0.0002	07	-62 16 40.10	-0.012	07	0.14	37.619	14	46.1	40.05	14	46.1	F2	C0	1466	P -62 602
91		8.7	14 42.703	-0.0013	25	-64 21 35.27	0.008	36	1.79	42.774	53	95.1	35.70	63	95.1		M4	1383	P -64 525
92	9.6	8.2W	14 45.161	0.0004	06	-62 21 6.62	0.009	06	0.14	45.159	14	46.1	6.66	14	46.1	K2	C0	1467	P -62 603
93	10.1	8.9W	14 48.602	0.0033	07	-60 38 0.10	-0.005	07	0.14	48.589	14	46.1	0.08	14	46.1	K0	C0	1468	P -60 580
94	9.7	9.5W	15 7.769	0.0003	13	-63 24 58.03	0.004	13	0.15	7.768	14	46.1	58.05	14	46.1	A5	C0	1469	P -63 538
95	9.8		15 13.307	0.0070	09	-61 17 7.12	0.016	09	0.14	13.280	14	46.1	7.18	14	46.1	A0	C0	1470	P -61 615
96	9.6	8.7W	15 28.396	0.0019	08	-61 34 40.87	-0.005	08	0.14	26.388	14	46.1	40.85	14	46.1	K0	C0	1471	P -61 617
97		7.3T	15 37.404	-0.0004	13	-66 16 24.99	0.008	11	0.66	37.425	21	00.1	25.39	19	96.3	B9	GC	8086	P -66 507
98		8.9	15 44.339	-0.0014	25	-66 44 21.16	-0.008	36	1.79	44.418	53	95.1	20.74	63	95.1		M4	1390	P -66 509
99	8.8	8.5W	16 48.584	0.0035	07	-61 13 33.14	0.035	07	0.14	48.570	14	46.1	33.28	14	46.1	F5	C0	1472	P -61 619
00	9.7	9.5W	16 48.757	0.0021	07	-61 37 17.25	0.026	07	0.14	48.748	14	46.1	17.36	14	46.1	F0	C0	1473	P -61 620

249500

-60° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		7.7T	6 17 2.281	0.0009	18	-69 3 20.62	-0.013	20	0.88	2.240	22	05.4	20.02	22	05.1	K2	GC	8127	P -69 590
2		7.3T	17 32.752	-0.0007	11	-64 0 33.45	-0.012	10	0.53	32.785	19	03.9	32.86	19	01.0	B9	GC	8144	P -63 541
3	10.4	9.6W	17 55.443	0.0007	09	-60 43 0.00	-0.007	09	0.14	55.440	14	46.1	-59.98	14	46.1	G5	CO	1478	P -60 589
4	9.9	9.4W	17 57.090	-0.0074	12	-62 19 13.01	0.064	12	0.15	57.119	14	46.1	13.26	14	46.1	G0	CO	1480	P -62 612
5	9.8	9.4W	18 11.501	0.0086	07	-63 6 51.63	0.058	07	0.14	11.468	14	46.2	51.85	14	46.2	F8	CO	1483	P -63 542
6		7.8T	18 41.837	-0.0002	12	-69 8 20.68	-0.045	11	0.66	41.846	22	99.5	18.21	19	95.5	F2	GC	8175	P -69 593
7	10.1	9.1W	19 8.890	-0.0001	09	-61 18 8.81	0.018	09	0.14	8.890	14	46.2	8.88	14	46.2	K0	CO	1487	P -61 627
8	9.9	9.7W	19 12.808	0.0004	12	-63 39 4.40	0.010	12	0.15	12.806	14	46.2	4.44	14	46.2	F0 O	CO	1489	P -63 547
9		6.7T	19 20.013	0.0025	10	-63 48 1.84	0.041	09	0.49	19.896	19	02.6	3.89	19	00.0	K0	GC	8194	P -63 548
10		8.4	19 20.211	0.0066	25	-66 2 9.01	-0.179	36	1.71	19.870	53	98.2	-59.71	63	98.2		M4	1406	P -66 516
11	9.0	9.0W	19 22.692	0.0008	09	-61 47 50.28	-0.006	09	0.14	22.689	14	46.2	50.26	14	46.2	A5	CO	1491	P -61 629
12	8.9	8.8W	19 25.808	-0.0001	07	-61 30 45.40	0.015	07	0.14	25.808	14	46.2	45.46	14	46.2	A5	CO	1492	P -61 630
13		6.9T	19 27.824	-0.0031	13	-61 18 24.93	0.047	10	0.59	27.964	21	04.5	27.29	19	00.0	G5	GC	8197	P -61 631
14		6.9T	19 42.253	-0.0038	13	-69 45 41.88	0.082	12	0.67	42.437	22	01.7	46.17	19	97.7	F8	GC	8201	P -69 598
15	9.9	9.7W	19 52.478	-0.0001	09	-61 34 29.73	0.059	09	0.14	52.478	14	46.2	29.96	14	46.2	G0 O	CO	1495	P -61 634
16		8.7	20 5.955	-0.0004	25	-68 24 30.01	0.061	36	1.71	5.975	53	98.1	33.19	63	98.1		M4	1410	P -68 494
17		8.8T	20 8.678	-0.0031	15	-66 31 44.88	-0.012	13	0.71	8.828	19	02.2	44.30	18	00.0	F0	GC	8212	P -66 522
18	9.4	8.3W	20 27.658	0.0031	09	-63 54 20.35	-0.003	09	0.14	27.646	14	46.2	20.34	14	46.2	K5	CO	1496	P -63 554
19		7.9T	20 28.473	0.0010	12	-62 19 43.77	-0.021	11	0.57	28.425	21	03.0	42.79	19	02.8	A2	GC	8222	P -62 619
20		8.8	20 32.573	-0.0024	25	-68 39 33.43	0.029	36	1.66	32.696	45	98.7	34.91	53	98.7		M4	1412	P -68 495
21		9.0	20 34.676	-0.0014	33	-67 55 13.58	-0.048	43	2.32	34.756	75	92.0	16.37	57	92.0		M3	793	
22	8.7	8.7W	20 43.090	0.0008	07	-64 1 51.00	-0.016	07	0.14	43.086	14	46.2	50.94	14	46.2	A5	CO	1499	P -63 555
23	9.3	9.7W	21 17.078	0.0018	13	-60 11 48.42	-0.014	13	0.15	17.071	14	46.2	48.48	14	46.2	A0	CO	1501	P -60 602
24	9.2	8.9W	21 19.220	0.0001	07	-62 21 26.51	-0.039	07	0.14	19.219	14	46.2	26.36	14	46.2	F0	CO	1502	P -62 621
25	10.1	8.9W	21 21.792	0.0010	09	-61 34 35.91	-0.012	09	0.14	21.788	14	46.2	35.86	14	46.2	K0	CO	1503	P -61 637
26		6.6T	21 53.265	-0.0063	12	-60 11 34.99	0.043	10	0.53	53.546	18	05.3	37.10	17	01.3	G0	GC	8266	P -60 604
27	8.9	8.6W	22 3.386	0.0015	13	-61 5 4.31	0.018	13	0.15	3.380	14	46.2	4.38	14	46.2	F2	CO	1505	P -61 638
28	10.4	8.7W	22 11.938	0.0132	09	-62 36 41.18	-0.009	09	0.14	11.887	14	46.2	41.15	14	46.2	M0 O	CO	1507	P -62 627
29		8.1	22 37.080	0.0016	25	-66 17 2.44	-0.050	36	1.68	37.000	53	99.2	-59.87	63	99.2		M4	1419	P -66 529
30		8.3	22 37.960	-0.0063	25	-64 31 0.87	0.100	36	1.80	38.309	53	95.1	6.37	63	95.1		M4	1417	P -64 548
31		6.2T	22 42.129	-0.0036	12	-63 39 20.38	0.011	10	0.55	42.300	21	02.8	20.90	18	02.5	M0	GC	8295	P -63 561
32		5.6T	23 6.711	0.0043	06	-69 57 24.44	0.026	05	0.28	6.514	10	04.1	25.74	10	99.7	K5	GC	8310	P*-69 607
33		8.6	23 13.620	0.0066	25	-66 58 40.04	0.037	36	1.79	13.260	53	95.1	42.09	63	95.1		M4	1422	P -66 531
34		9.1	23 16.622	-0.0074	25	-67 23 44.50	0.001	36	1.71	17.007	53	98.2	44.57	63	98.2		M4	1423	P -67 587
35		6.0T	23 36.655	-0.0057	09	-60 15 9.56	0.035	07	0.46	36.937	18	00.3	11.53	17	94.0	A0	GC	8319	P -60 608
36	8.8	8.6W	23 50.791	0.0000	06	-60 12 33.01	0.045	06	0.14	50.791	14	46.2	33.18	14	46.2	F0	CO	1512	P -60 610
37	9.6	9.3W	23 55.565	0.0048	06	-63 45 32.50	0.038	06	0.14	55.547	14	46.2	32.64	14	46.2	G0 O	CO	1513	P -63 567
38		8.8	23 55.746	-0.0004	25	-69 25 27.32	-0.034	36	1.68	55.765	53	99.2	25.57	63	99.2		M4	1427	P -69 609
39		6.5T	24 5.474	-0.0009	10	-63 23 53.03	-0.104	09	0.50	5.518	19	00.4	47.55	18	97.2	G0	GC	8333	P -63 568
40		7.8T	24 10.753	-0.0050	11	-65 38 51.86	0.015	10	0.54	10.993	19	02.5	52.56	18	01.6	F0	GC	8340	P -65 588
41	8.3	8.4W	24 22.288	0.0055	07	-62 48 26.10	0.040	07	0.14	22.268	14	46.2	26.25	14	46.2	A3	CO	1515	P -62 634
42		6.4T	24 37.118	-0.0021	11	-63 47 53.18	0.024	09	0.53	37.223	21	00.6	54.41	13	98.7	B5	GC	8354	P*-63 572
43		8.1	24 46.579	-0.0004	25	-65 28 40.70	-0.007	36	1.68	46.599	53	99.1	40.36	63	99.1		M4	1429	P -65 590
44	8.4	8.3W	24 58.362	0.0008	13	-62 23 34.49	0.071	13	0.15	58.359	14	46.2	34.76	14	46.2	F0	CO	1517	P -62 636
45	8.8	9.2W	25 8.492	-0.0018	13	-62 8 13.20	-0.012	13	0.15	8.499	14	46.2	13.16	14	46.2	B9	CO	1519	P -62 637
46		9.0	25 24.084	-0.0054	25	-67 27 44.74	0.001	36	1.45	24.317	53	07.1	44.80	63	07.1		M4	1433	P -67 594
47	10.6	9.4W	25 28.711	0.0034	09	-61 35 34.94	-0.022	09	0.14	28.698	14	46.2	34.86	14	46.2	K5	CO	1520	P -61 643
48	9.0	8.9W	25 28.934	0.0009	06	-60 13 36.97	0.001	06	0.14	28.931	14	46.2	36.98	14	46.2	F0	CO	1521	P -60 618
49		8.4	25 48.102	-0.0043	25	-64 17 54.42	-0.008	36	1.78	48.338	53	95.2	53.98	53	95.2		M4	1434	P -64 561
50		5.4T	25 54.363	-0.0026	05	-69 39 42.97	0.199	04	0.23	54.478	07	06.4	52.18	07	03.7	G5	GC	8390	P*-69 614
51	8.2	8.4W	6 26 33.427	-0.0010	07	-60 4 21.48	-0.000	07	0.14	33.431	14	46.2	21.48	14	46.2	A3	CO	1522	P -60 623
52		6.9T	26 36.917	-0.0047	09	-60 41 46.26	0.012	09	0.45	37.131	17	04.4	46.87	17	00.1	K0	GC	8418	P -60 625
53	9.0	8.3W	26 50.706	-0.0015	06	-60 14 40.16	0.004	06	0.14	50.711	14	46.2	40.18	14	46.2	G5	CO	1524	P -60 626
54		6.8T	27 20.362	-0.0003	10	-62 7 0.49	0.025	08	0.51	20.377	19	99.1	1.87	18	95.3	A0	GC	8428	P -62 646
55		9.2	27 31.704	-0.0044	25	-66 38 39.48	0.035	36	1.79	31.948	53	95.1	41.42	63	95.1		M4	1443	P -66 544
56		8.2	27 35.197	0.0016	25	-68 14 21.40	-0.020	36	1.71	35.113	53	98.2	20.37	63	98.2		M4	1444	P -68 526
57	9.8	9.5W	28 13.223	0.0007	13	-60 1 57.51	-0.008	13	0.15	13.221	14	46.2	57.48	14	46.2	F5	CO	1528	P -59 657
58		9.8T	28 15.393	0.0027	14	-60 30 1.08	0.003	12	0.70	15.263	22	01.6	1.24	22	99.1	G0	GC	8448	P -60 635
59	9.6	8.5W	28 15.750	0.0007	07	-62 31 22.12	-0.044	07	0.14	15.747	14	46.2	21.95	14	46.2	K2	CO	1530	P -62 650
60	9.2	9.0W	28 22.646	-0.0011	07	-61 3 34.40	-0.033	07	0.14	22.650	14	46.2	34.28	14	46.2	F5	CO	1532	P -61 654
61	8.3	8.1W	28 45.127	-0.0087	07	-60 58 17.94	0.063	07	0.14	45.160	14	46.2	18.18	14	46.2	F8	CO	1534	P -60 639
62	9.3	9.0W	28 46.127	0.0019	11	-60 38 18.09	0.023	11	0.15	46.119	14	46.2	18.18	14	46.2	F8	CO	1535	P -60 638
63	8.8	9.1W	28 53.959	-0.0021	13	-64 12 8.23	0.003	13	0.15	53.967	14	46.2	8.24	14	46.2	A0	CO	1537	P -64 571
64	8.5	8.4W	29 36.096	0.0015	07	-61 13 42.16	-0.048	07	0.14	36.090	14	46.2	41.98	14	46.2	F0	CO	1539	P -61 663
65	9.6	9.4W	29 37.217	-0.0001	09	-62 44 44.93	0.006	09	0.14	37.217	14	46.2	44.95	14	46.2	A2	CO	1540	P -62 653
66	8.8	8.5W	29 45.383	0.0038	08	-61 45 7.10	-0.012	08	0.14	45.369	14	46.2	7.06	14	46.2	F0	CO	1541	P -61 665
67	8.9	8.8W	29 45.973	-0.0039	12	-63 9 21.27	0.021	12	0.15	45.988	14	46.2	21.35	14	46.2	A5	CO	1542	P -63 586
68		6.4T	29 55.061	0.0010	09	-65 31 58.26	0.054	09	0.40	55.022	14	09.1	+ 0.58	14	06.7	F2	GC	8499	P -65 610
69	9.6	9.3W	30 0.174	-0.0027	08	-61 54 19.92	0.044	08	0.14	0.185	14	46.2	20.09	14	46.2	G0	CO	1543	P -61 667
70	9.4	8.9W	30 13.760	-0.0039	13	-61 34 16.20	-0.029	13	0.15	13.775	14	46.2	16.09	14	46.2	G5	CO	1545	P -61 668
71	10.2		30 17.115	-0.0002	09	-61 3 8.25	-0.010	09	0.14	17.116	14	46.2	8.21	14	46.2	A0	CO	1546	P -60 645
72		6.3T	30 40.787	-0.0019	08	-61 50 32.16	0.007	07	0.42	40.877	17	02.8	32.58	17	93.7	B3	GC	8515	P*-61 669
73		8.4	30 46.020	-0.0003	33	-68 54 40.70	0.000	43	2.28	46.037	75	93.2	40.73	57	93.2		M3	808	
74		8.5T	30 56.765	-0.0008	13	-62 18 1.53	0.005	11	0.59	56.801	22	05.2	1.77	19	04.1	A0	GC	8523	P -62 657
75		7.0T	31 2.366	0.0025	14	-66 50 0.21	0.008	13	0.72	2.242	22	01.2	0.62	21	99.5	M8	GC	8524	P -66 558
76		0.0Y	31 7.530	0.0016	13	-63 29 53.48	0.053	13	0.15	7.524	14	46.2	53.68	14	46.2	A0	CO	1550	P*-63 590
77		7.7	31 21.796	-0.0043	25	-67 32 36.05	-0.002	36	1.68	22.016	53	99.1	35.94	63	99.1		M4	1452	P -67 611
78	10.5	9.2W	31 30.422	0.0017	09	-60 33 35.75	-0.010	09	0.14	30.416	14	46.2	35.71	14	46.2	K2	CO	1551	P -60 649
79		7.8	32 0.460	-0.0073	33	-65 16 44.12	0.049	43	2.28	0.877	75	93.1	46.91	57	93.1		M3	812	
80		8.0T	32 2.424	0.0020	15	-68 4 49.61	-0.081	12	0.70	2.330	22	03.2	45.50	21	99.2	F5	GC	8555	P -68 534
81		8.5	32 9.807	-0.0023	25	-65 19 56.70	-0.049	36	1.76	9.933	53	96.2	54.07	63	96.2		M4	1454	P -65 618
82		8.4T	32 13.582	0.0008	22	-68 39 54.37	-0.479	22	1.04	13.546	19	04.6	32.79	19	05.0	K0	GC	8563	P -68 536
83		6.7T	32 16.065	-0.0017	13	-61 47 20.16	0.030	10	0.55	16.138	18	07.1	21.56	17	04.1	K0	GC	8564	P -61 673
84	10.0	9.6W	33 19.262	0.0040	09	-60 14 16.96	0.011	09	0.14	19.247	14	46.2	17.01	14	46.2	G0	CO	1556	P -60 654
85	9.5	9.2W	33 26.945	-0.0001	06	-60 32 49.91	-0.001	06	0.14	26.946	14	46.2	49.91	14	46.2	F2	CO	1557	P -60 655
86	10.5	8.9W	33 31.769	-0.0037	09	-62 47 16.84	-0.016	09	0.14	31.784	14	46.2	16.78	14	46.2	K5	CO	1558	P -62 667
87	8.3	8.6W	33 55.671	-0.0030	07	-63 52 37.20	0.018	07	0.14	55.682	14	46.2	37.27	14	46.2	A0	CO	1559	P -63 605
88		7.3T	34 1.469	0.0044	11	-61 27 18.54	0.046	10	0.56	1.259	19	02.3	20.93	18	98.6	K0	GC	8607	P -61 679
89		9.4	34 1.740	0.0026	25	-64 24 46.25	-0.057	36	1.79	1.598	53	95.1	43.13	63	95.1		M4	1461	P -64 585
90	9.6	9.4W	34 16.226	0.0003	07	-62 3 28.81	0.048	07	0.14	16.225	14	46.2	28.99	14	46.2	F5	CO	1562	P -62 670
91	10.0	9.1W	34 18.900	-0.0015	06	-60 40 20.13	-0.005	06	0.14	18.906	14	46.2	20.11	14	46.2	K0	CO	1563	P -60 659
92	9.3	8.2W	34 19.222	-0.0030	12	-62 31 13.36	0.030	12	0.15	19.233	14	46.2	13.48	14	46.2	K0	CO	1564	P -62 671
93		7.8T	34 24.417	-0.0031	12	-63 13 11.95	-0.013	10	0.57	24.562	21	03.2	11.30	19	01.6	A2	GC	8620	P -63 607
94		7.5T	34 35.608	0.0012	12	-61 7 53.39	0.020	09	0.50	35.557	18	06.9	54.33	17	03.8	A3	GC	8628	P -61 681
95	9.7	8.9W	34 47.086	-0.0023	10	-62 27 36.41	0.020	10	0.15	47.095	14	46.2	36.49	14	46.2	K0	CO	1570	P -62 677
96			35 14.699	-0.0024	25	-68 31 6.59	-0.023	36	1.71	14.822	53	98.1	5.40	63	98.1		M4	1468V	P*-68 540
97		8.8	35 24.415	-0.0034	25	-67 10 59.56	-0.030	36	1.39	24.552	53	09.1	58.33	63	09.1		M4	1467	P -67 628
98		8.1T	35 41.718	0.0017	10	-64 50 18.40	0.025	10	0.53	41.632	21	00.7	19.56	18	03.1	F2	GC	8661	P -64 589
99	9.7	9.3W	35 47.463	0.0022	07	-61 33 8.69	0.077	07	0.14	47.455	14	46.2	8.99	14	46.2	G0	CO	1572	P -61 684
00	10.6	9.6W	36 1.020	-0.0042	09	-60 37 56.81	-0.001	09	0.14	1.036	14	46.2	56.81	14	46.2	G5 O	CO	1573	P -60 669

249600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-60° 6H DM NUMBER
1	9.5	9.2W	6 36 27.073	-0.0033	07	-62 18 21.57	0.005	07	0.14	27.085	14	46.2	21.59	14	46.2	F2		CD	1576	P -62 681
2	10.6	8.9W	36 42.606	0.0004	09	-61 30 8.54	-0.015	09	0.14	42.605	14	46.2	8.49	14	46.2	K5		CD	1577	P -61 685
3	9.8	9.5W	37 28.355	-0.0008	07	-60 4 22.95	0.018	07	0.14	24.357	14	46.6	23.01	14	46.6	F5		CD	1637	P -60 674
4		6.3T	37 20.473	-0.0017	09	-61 29 19.08	0.083	06	0.39	28.553	15	02.7	23.56	14	96.3	G0		GC	8707K	P+-61 688
5	10.4	10.1W	37 52.114	-0.0055	15	-62 11 27.36	0.033	15	0.15	52.135	14	46.2	27.49	14	46.2	F7	O	CD	1583	P -62 687
6	10.0		37 57.916	0.0009	13	-63 59 48.74	-0.044	13	0.15	57.912	14	46.2	48.57	14	46.2	A2		CD	1584	P -63 617
7		7.2T	37 59.668	0.0001	12	-60 8 12.43	0.010	11	0.54	59.662	18	07.4	12.91	17	04.3	B9		GC	8716	P -60 676
8	8.9	9.3W	38 15.198	-0.0009	07	-63 30 12.48	-0.002	07	0.14	15.202	14	46.2	12.47	14	46.2	B9		CD	1587	P -63 618
9		7.3T	38 20.250	-0.0026	11	-66 2 22.49	0.050	10	0.54	20.276	19	00.6	25.02	18	99.7	K0		GC	8725	P -65 631
10	10.0	9.6W	38 20.965	0.0051	09	-60 47 37.29	0.005	09	0.14	20.946	14	46.2	37.31	14	46.2	G3	O	CD	1588	P -60 678
11	9.9	8.7W	38 26.940	0.0009	07	-60 57 56.57	0.011	07	0.14	26.936	14	46.2	56.61	14	46.2	K0		CD	1589	P -60 679
12	11.0	9.7W	38 29.003	0.0071	13	-60 59 41.44	-0.008	13	0.15	28.976	14	46.2	41.41	14	46.2	K0	O	CD	1590	P -60 680
13	9.1	8.8W	38 31.540	0.0043	07	-63 25 11.44	0.115	07	0.14	31.524	14	46.2	11.88	14	46.2	G0		CD	1591	P -63 622
14	9.5	8.2W	38 41.938	0.0006	07	-60 55 13.22	-0.004	07	0.14	41.936	14	46.2	13.21	14	46.2	K5		CD	1592	P -60 682
15		7.8T	38 57.756	0.0011	16	-60 21 15.61	0.064	16	0.66	57.711	18	10.1	18.20	18	09.8	G5		GC	8743	P -60 684
16	10.2	9.9W	39 20.343	-0.0011	08	-60 23 33.59	0.030	08	0.14	20.348	14	46.2	33.71	14	46.2	F8		CD	1598	P -60 686
17	8.2	9.3W	39 30.466	-0.0023	25	-65 13 32.86	0.058	36	1.77	30.594	45	95.1	36.04	53	95.1			M4	1480	P -65 636
18	9.8	9.7W	39 56.043	0.0019	06	-60 32 52.38	0.008	06	0.14	56.036	14	46.2	52.41	14	46.2	A		CD	1599	P -60 687
19	9.2	8.9W	40 0.019	-0.0095	06	-60 37 7.95	0.067	06	0.14	0.056	14	46.2	8.21	14	46.2	F8		CD	1600	P -60 689
20	10.2		40 12.955	0.0026	08	-62 0 29.06	0.007	08	0.14	12.945	14	46.2	29.09	14	46.2	F5	O	CD	1602	P -61 690
21	9.6	9.4W	40 28.938	0.0038	13	-63 3 53.50	0.021	13	0.15	28.924	14	46.2	53.58	14	46.2	F0		CD	1604	P -62 695
22	8.7	8.5W	40 56.612	-0.0036	06	-60 38 20.66	0.064	06	0.14	56.626	14	46.2	20.91	14	46.2	F2		CD	1605	P -60 692
23		8.7	40 58.893	0.0036	25	-64 18 28.06	0.053	36	1.40	58.747	53	09.1	30.24	63	09.1			M4	1484	P -64 604
24		7.9T	41 20.274	0.0003	14	-65 25 3.86	-0.073	12	0.65	20.261	19	04.8	0.35	19	01.9	F2		GC	8797	P -65 644
25	10.2	8.6W	41 23.474	-0.0027	08	-62 3 55.09	0.000	08	0.14	23.485	14	46.2	55.09	14	46.2	K5		CD	1606	P -61 702
26		8.5T	41 49.805	-0.0116	16	-61 10 32.88	0.158	14	0.69	50.307	21	06.7	39.90	21	05.7	G5		GC	8806	P -61 704
27		7.1T	41 57.106	-0.0020	12	-61 42 18.82	0.005	10	0.49	57.186	17	10.0	19.06	15	05.9	F5		GC	8814K	P+-61 706
28	8.9	8.8W	42 9.762	-0.0004	07	-62 43 31.39	-0.055	07	0.14	9.764	14	46.2	31.18	14	46.2	A5		CD	1611	P -62 697
29	10.8	9.5W	42 23.199	0.0016	09	-62 50 39.62	0.016	09	0.14	23.194	14	46.2	39.68	14	46.2	K0	O	CD	1612	P -62 700
30		7.6T	42 28.728	-0.0034	13	-69 39 21.11	0.000	11	0.65	28.893	21	01.9	21.13	19	97.0	A0		GC	8822	P -69 649
31		6.9T	42 33.085	-0.0036	09	-67 47 31.66	0.050	08	0.51	33.277	19	97.0	34.56	18	91.9	A0		GC	8825	P -67 645
32		7.9T	42 52.655	-0.0006	11	-63 5 3.77	0.031	10	0.55	52.684	21	01.5	5.23	19	02.1	K0		GC	8832	P -63 628
33	9.6	8.7W	42 54.556	0.0006	07	-62 33 51.92	-0.011	07	0.14	54.554	14	46.2	51.88	14	46.2	K0		CD	1614	P -62 703
34		8.9	43 26.263	-0.0053	25	-69 14 44.86	-0.001	36	1.45	26.490	53	07.2	44.79	63	07.2			M4	1494	P -69 652
35	10.3	9.8W	44 1.224	0.0004	09	-63 44 33.40	-0.034	09	0.14	1.222	14	46.2	33.27	14	46.2	G5	O	CD	1618	P -63 632
36		6.8T	44 9.846	-0.0005	12	-61 10 14.74	0.000	10	0.53	9.868	18	05.7	14.76	17	01.4	K0		GC	8867	P+-61 711
37		8.5	44 20.051	-0.0073	25	-67 38 58.22	0.001	36	1.71	20.430	53	98.2	58.27	63	98.2			M4	1496	P -67 650
38		9.0	44 20.500	0.0006	25	-65 31 15.03	0.016	36	1.68	20.468	53	99.1	15.86	63	99.1			M4	1495	P -65 650
39	9.8	9.7W	44 55.402	-0.0004	07	-63 16 55.61	0.044	07	0.14	55.404	14	46.2	55.78	14	46.2	F0		CD	1623	P -63 634
40		7.3T	45 12.303	0.0003	14	-64 59 22.26	-0.006	12	0.64	12.288	21	04.4	21.96	18	02.2	M0		GC	8889	P -64 618
41	9.8	8.9W	45 13.173	0.0014	06	-60 12 26.91	0.027	06	0.14	13.167	14	46.2	27.01	14	46.2	K2		CD	1624	P -60 700
42	8.8	8.5W	46 39.937	0.0007	06	-61 45 22.56	-0.017	06	0.14	39.935	14	46.2	22.49	14	46.2	F8		CD	1630	P -61 716
43	10.3	9.9W	47 0.518	0.0005	13	-61 1 48.56	-0.014	13	0.15	0.516	14	46.2	48.51	14	46.2	F2	O	CD	1632	P -60 706
44		8.6	47 2.549	0.0037	25	-65 1 55.09	-0.040	36	1.40	2.393	45	07.7	53.40	53	07.7			M4	1503	P -64 623
45		8.9	47 8.648	0.0006	25	-65 31 1.50	-0.064	36	1.68	8.616	53	99.2	58.26	63	99.2			M4	1505	P -65 656
46	9.6	8.8W	47 32.697	0.0003	06	-60 46 37.09	0.059	06	0.14	32.696	14	46.2	37.31	14	46.2	K0		CD	1634	P -60 707
47		3.3H	47 40.725	-0.0101	02	-61 53 14.36	0.266	02	0.10	41.112	05	11.5	23.86	04	14.3	A5		F4	262	P -61 720
48	9.8	9.5W	47 58.190	0.0014	07	-62 8 44.84	-0.014	07	0.14	58.185	14	46.2	44.79	14	46.2	F0	O	CD	1637	P -62 712
49	9.7	9.5W	48 0.574	0.0025	07	-62 8 32.94	-0.013	07	0.14	0.565	14	46.2	32.89	14	46.2	A5		CD	1638	P -62 714
50		9.5	48 6.869	-0.0073	25	-69 14 19.79	0.073	36	1.79	7.270	53	95.1	23.83	63	95.1			M4	1512	P -69 660
51		8.6	6 48 20.103	0.0007	25	-68 21 56.96	-0.041	36	1.68	20.067	53	99.2	54.87	63	99.2			M4	1513	P -68 567
52	9.8	8.7W	48 47.880	0.0007	07	-60 18 45.21	-0.001	07	0.14	47.878	14	46.2	45.21	14	46.2	K2		CD	1640	P -60 710
53		8.0	49 10.484	0.0006	25	-67 17 34.15	-0.049	36	1.40	10.456	45	07.5	32.07	53	07.5			M4	1517	P -67 664
54		6.1T	49 21.347	0.0010	10	-60 11 26.69	0.108	09	0.44	21.305	12	09.3	31.56	15	05.1	F5		GC	8987	P -60 712
55	10.2	9.9W	49 22.621	0.0035	09	-60 16 38.12	0.024	09	0.14	22.608	14	46.2	38.21	14	46.2	F	O	CD	1643	P -60 713
56	10.8	9.6W	49 31.724	-0.0003	09	-61 55 27.59	-0.001	09	0.14	31.725	14	46.2	27.59	14	46.2	K0	O	CD	1645	P -61 726
57		9.2	49 53.353	0.0076	33	-67 12 56.94	0.066	43	2.32	52.910	75	92.1	+ 0.77	57	92.1			M3	851	
58		7.0T	49 57.314	0.0006	12	-66 14 0.03	0.044	11	0.60	57.282	19	00.9	2.33	18	98.2	G5		GC	9004	P -66 608
59		8.9	50 4.529	-0.0133	33	-69 16 12.86	-0.063	43	2.32	5.299	75	92.1	9.24	57	92.1			M3	852	
60	10.2	9.2W	50 46.360	0.0017	08	-63 0 52.60	-0.006	08	0.14	46.354	14	46.2	52.58	14	46.2	K2		CD	1649	P -62 723
61		8.5	50 48.094	-0.0073	25	-68 38 54.63	-0.069	36	1.68	48.467	53	99.1	51.10	63	99.1			M4	1521	P -68 570
62		6.7T	50 50.497	0.0001	12	-69 55 30.48	-0.012	09	0.59	50.494	22	98.4	29.81	18	96.0	G0		GC	9015	P -69 665
63	10.0	9.7W	50 53.665	0.0058	12	-62 32 31.66	0.031	12	0.15	53.643	14	46.2	31.78	14	46.2	F5		CD	1650	P -62 724
64		8.3	51 18.450	-0.0073	25	-68 39 13.26	-0.022	36	1.66	18.824	45	98.9	12.16	53	98.9			M4	1524	P -68 571
65	10.0	9.8W	51 23.194	0.0005	12	-63 58 5.38	0.023	12	0.15	23.193	14	46.2	5.47	14	46.2	F5		CD	1651	P -63 641
66		8.7	51 38.959	0.0006	25	-65 33 26.78	0.002	36	1.79	38.924	53	95.2	26.90	63	95.2			M4	1523	P -65 663
67		8.6	52 7.240	-0.0013	25	-69 34 0.69	0.010	36	1.68	7.308	53	99.2	1.22	63	99.2			M4	1528	P -69 669
68		8.9	52 24.118	0.0006	25	-66 45 44.34	-0.080	36	1.79	23.644	53	95.2	39.96	63	95.2			M4	1527	P -66 618
69	8.8	8.8W	52 39.252	-0.0032	06	-61 35 14.87	-0.020	06	0.14	39.265	14	46.2	14.79	14	46.2	F0		CD	1653	P -61 731
70	10.6	9.5W	53 0.487	0.0005	07	-60 39 9.37	-0.016	07	0.14	0.486	14	46.2	9.31	14	46.2	G8	O	CD	1656	P -60 716
71	10.0	9.9W	53 17.161	-0.0018	05	-60 7 22.85	-0.011	05	0.14	17.167	14	46.2	22.81	14	46.2	F8	O	CD	1659	P -60 718
72	9.7	8.8W	53 32.415	0.0004	08	-63 0 52.60	-0.007	08	0.14	32.414	14	46.2	52.58	14	46.2	K2		CD	1661	P -62 731
73		8.8	53 35.483	-0.0034	33	-65 51 0.62	-0.035	43	2.32	35.678	75	92.1	-58.61	57	92.1			M3	858	
74	8.8	8.5W	53 42.596	0.0027	07	-62 23 53.39	-0.028	07	0.14	42.585	14	46.2	53.29	14	46.2	G5		CD	1664	P -62 732
75	9.3	9.2W	54 10.877	0.0005	08	-62 4 40.17	-0.022	08	0.14	10.875	14	46.2	40.09	14	46.2	A2		CD	1665	P -61 737
76	9.7	8.8W	54 12.387	0.0008	07	-63 6 6.17	0.001	07	0.14	12.384	14	46.2	6.18	14	46.2	K0		CD	1666	P -63 647
77	10.2		54 16.466	0.0003	11	-62 7 34.11	0.020	11	0.15	16.465	14	46.2	34.19	14	46.2	F8	O	CD	1667	P -62 735
78		8.9	54 59.246	0.0017	25	-67 50 0.46	0.009	36	1.71	59.159	53	98.2	0.92	63	98.2			M4	1533	P -67 676
79	10.0	9.1W	55 11.207	-0.0047	06	-61 33 21.15	-0.042	06	0.14	11.225	14	46.2	20.99	14	46.2	G5	O	CD	1669	P -61 739
80	9.4	9.1W	55 25.937	0.0035	11	-63 14 58.52	-0.010	11	0.15	25.924	14	46.2	58.48	14	46.2	F2		CD	1670	P -63 651
81	9.8	8.7W	55 34.597	0.0007	07	-61 39 45.77	-0.048	07	0.14	34.595	14	46.2	45.59	14	46.2	K2		CD	1671	P -61 741
82		9.3	55 38.372	0.0005	25	-64 55 47.99	0.003	36	1.79	38.342	53	95.2	48.14	63	95.2			M4	1535	P -64 637
83		9.2	55 42.567	-0.0063	25	-67 20 11.34	0.001	36	1.79	42.915	53	95.2	11.41	63	95.2			M4	1536	P -67 677
84	10.6	9.8W	55 48.388	0.0008	14	-62 8 38.99	0.026	14	0.15	48.385	14	46.2	39.09	14	46.2	G5	O	CD	1672	P -62 737
85	10.5		55 50.542	-0.0006	09	-61 36 22.74	-0.015	09	0.14	50.545	14	46.2	22.69	14	46.2	G0	O	CD	1673	P -61 742
86		6.9T	55 51.687	0.0010	09	-68 26 20.08	0.051	10	0.56	51.633	19	96.3	22.98	18	93.2	K0		GC	9160	P -68 579
87		9.0	56 16.058	-0.0123	25	-68 57 15.72	-0.003	36	1.76	16.720	53	96.2	15.53	63	96.2			M4	1542	P -68 580
88		8.6T	56 18.238	0.0087	13	-64 30 29.28	-0.017	12	0.62	17.847	22	05.2	28.50	19	05.0	F5		GC	9174	P -64 638
89		8.4T	56 48.628	0.0021	14	-60 46 59.16	0.023	12	0.60	48.537	19	06.5	+ 0.19	18	06.2	G5		GC	9189	P -60 736
90	10.1	9.9W	57 11.154	-0.0024	13	-63 0 6.85	0.009	13	0.15	11.114	14	46.2	6.88	14	46.2	G		CD	1677	P -62 743
91	9.4	9.1W	57 22.105	-0.0004	07	-61 27 4.40	0.003	07	0.14	22.107	14	46.2	4.41	14	46.2	F8		CD	1678	P -61 749
92		8.4T	57 29.865	0.0009	10	-60 13 36.01	0.010	10	0.52	29.820	18	02.1	36.50	18	02.8	G0		GC	9204	P -60 731
93	10.3	9.8W	57 45.430	0.0036	09	-60 41 33.79	-0.021	09	0.14	45.416	14	46.2	33.71	14	46.2	G0	O	CD	1680	P -60 732
94		8.0T	57 55.553	-0.0010	13	-61 1 43.13	0.009	11	0.59	55.599	21	04.4	43.59	19	01.2	K2		GC	9223	P -60 733
95		6.7T	58 29.303	-0.0005	13	-60 46 17.30	-0.021	11	0.58	29.326	19	05.2	16.32	18	02.5	K2		GC	9241	P -60 737
96	10.6		58 32.781	-0.0011	12	-62 17 0.76	0.060	12	0.15	32.785	14	46.2	0.99	14	46.2	G0	O	CD	1686	P -62 746
97	10.5	9.4W	58 39.122	0.0012	09	-60 29 31.93	-0.005	09	0.14	39.118	14	46.2	31.91	14	46.2	G8	O	CD	1687	P -60 738
98	10.2	8.8W	58 45.949	0.0011	07	-62 5 10.71	-0.031	07	0.14	45.945	14	46.2	10.59	14	46.2	K5		CD	1688	P -61 751
99		8.4	58 55.718	0.0045	25	-64 37 19.31	-0.016	36	1.65	55.484	36	98.3	18.47	45	98.3			M4	1546	P -64 646
00		6.7T	59 24.971	-0.0237	12	-61 16 5.99	0.252	10	0.57	26.087	19	02.9	18.66	18	99.8	G5		GC	9264	P -61 754

249700 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 6H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		7.9T	6 59 38.604	-0.0009	14	-60 47 27.95	0.003	10	0.58	38.643	19	07.1	28.11	18	03.8	B8	GC	9274K	P -60 742
2	9.7	9.6W	59 41.441	0.0044	13	-61 42 37.20	-0.003	13	0.15	41.425	14	46.2	37.19	14	46.2	A5	CO	1692	P -61 755
3	9.9	9.5W	59 51.269	0.0008	09	-60 47 25.55	0.043	09	0.14	51.266	14	46.2	25.71	14	46.2	F6	O CO	1693	P -60 744
4		5.1T	59 55.919	-0.0060	07	-67 50 51.62	0.237	05	0.27	56.153	10	11.0	+ 1.93	10	06.5	K2	GC	9280	P*-67 686
5	9.9	8.9W	7 0 0.353	0.0018	07	-60 43 58.62	-0.003	07	0.14	0.346	14	46.2	58.61	14	46.2	K5	CO	1694	P -60 746
6		7.7T	0 6.380	-0.0014	13	-61 4 10.75	0.007	11	0.56	6.442	19	05.9	11.09	18	04.5	B9	GC	9286	P -60 747
7	9.7	9.1W	0 14.435	-0.0005	13	-61 28 41.46	0.012	13	0.15	14.437	14	46.2	41.51	14	46.2	G5	CO	1696	P -61 756
8		8.1	0 18.259	-0.0024	25	-65 50 23.86	0.015	36	1.71	18.381	53	98.2	24.65	63	98.2		M4	1550	P -65 685
9	10.4		0 19.685	0.0001	09	-61 47 6.41	-0.004	09	0.14	19.685	14	46.2	6.39	14	46.2	A0	O CO	1698	P -61 757
10	10.5		0 20.795	0.0024	12	-60 33 22.26	0.012	12	0.15	20.786	14	46.2	22.31	14	46.2	F2	O CO	1699	P -60 748
11	9.5	9.2W	0 26.154	-0.0006	07	-60 42 15.05	0.042	07	0.14	26.156	14	46.2	15.21	14	46.2	F2	CO	1700	P -60 750
12	10.1	9.8W	0 46.776	-0.0025	09	-60 41 21.89	0.057	09	0.14	46.786	14	46.2	22.11	14	46.2	G	CO	1701	P -60 752
13	10.1	9.8W	0 50.099	-0.0018	13	-60 37 2.42	0.023	13	0.15	50.106	14	46.2	2.51	14	46.2	F5	O CO	1702	P -60 753
14	10.0		0 55.003	-0.0001	13	-62 39 13.59	-0.002	13	0.15	55.004	14	46.2	13.58	14	46.2	A0	CO	1703	P -62 755
15		7.5T	0 55.311	-0.0150	10	-65 38 2.89	0.066	09	0.50	56.021	19	02.6	6.17	18	00.7	F5	GC	9306	P -65 686
16		9.7W	1 1.530	-0.0014	09	-61 54 45.57	-0.075	09	0.14	1.535	14	46.2	45.29	14	46.2		CO	1704	P -61 760
17	9.4	8.1W	1 20.350	0.0020	07	-63 32 45.76	0.029	07	0.14	20.342	14	46.2	45.87	14	46.2	K0	CO	1705	P -63 668
18		9.7T	2 7.556	-0.0084	18	-62 29 45.47	0.013	15	0.81	7.933	24	05.1	46.12	22	01.6		GC	9332	P -62 757
19		8.9T	2 8.789	0.0010	17	-60 59 15.87	-0.026	14	0.67	8.748	21	09.0	14.82	19	09.0	F5	GC	9333	P -60 756
20		7.5T	3 8.489	-0.0004	12	-66 48 51.50	0.092	11	0.62	8.507	21	01.3	56.35	19	97.3	F5	GC	9361	P -66 646
21	10.1	9.8W	3 13.142	0.0012	13	-60 8 52.75	0.041	13	0.15	13.137	14	46.2	52.91	14	46.2	F5	O CO	1712	P -60 760
22		7.6T	3 49.402	-0.0015	11	-64 24 47.90	0.004	09	0.53	49.475	19	01.8	48.11	18	99.5	A0	GC	9378	P -64 660
23	10.6	9.1W	3 50.878	-0.0025	09	-60 23 25.02	-0.002	09	0.14	50.888	14	46.2	25.01	14	46.2	M3	O CO	1713	P -60 761
24		8.3T	4 4.711	-0.0025	10	-60 43 47.91	-0.057	09	0.49	4.833	18	01.2	45.18	18	01.8	F2	GC	9382	P -60 762
25	9.9	9.8W	4 4.897	0.0032	09	-61 46 0.54	0.014	09	0.14	4.885	14	46.2	0.59	14	46.2	A2	CO	1715	P -61 763
26		8.8	4 22.053	-0.0003	25	-69 36 36.13	-0.001	36	1.56	22.069	53	03.2	36.07	63	03.2		M4	1569	P -69 687
27		7.6T	4 31.056	-0.0003	13	-61 8 55.62	0.009	11	0.60	31.070	21	05.5	56.06	19	03.2	K0	GC	9398	P -61 765
28		8.1T	4 37.883	-0.0019	13	-60 4 42.36	0.000	10	0.58	37.967	19	05.4	42.38	18	02.4	A0	GC	9400	P*-59 767
29		8.0T	4 51.674	-0.0010	15	-61 19 29.68	0.043	12	0.60	51.715	19	08.7	31.56	18	06.7	K0	GC	9403	P -61 766
30	10.4	9.8W	4 58.470	-0.0011	13	-61 43 40.07	0.031	13	0.15	58.475	14	46.2	40.19	14	46.2	G3	O CO	1720	P -61 767
31	9.8	9.6W	5 4.972	0.0012	07	-60 29 42.42	0.023	07	0.14	4.968	14	46.2	42.51	14	46.2	A5	O CO	1721	P -60 765
32	11.2		5 9.475	-0.0003	13	-60 59 28.15	0.043	13	0.15	9.476	14	46.2	28.31	14	46.2	F5	O CO	1722	P -60 766
33	9.8		5 12.413	0.0002	11	-64 11 51.46	0.030	11	0.15	12.413	14	46.2	51.57	14	46.2	A0	CO	1723	P -64 663
34	10.7		5 16.823	-0.0012	13	-60 14 16.84	0.043	13	0.15	16.827	14	46.2	17.01	14	46.2	F8	O CO	1724	P -60 767
35	9.9	9.8W	5 30.436	-0.0020	12	-63 2 13.53	0.040	12	0.15	30.444	14	46.2	13.68	14	46.2	F0	CO	1725	P -62 764
36	9.0	9.0W	5 41.040	0.0019	07	-64 0 12.45	0.005	07	0.14	41.032	14	46.2	12.47	14	46.2	A0	CO	1726	P -63 683
37		9.0	5 42.055	0.0097	25	-68 18 52.52	-0.045	36	1.69	41.552	45	98.1	50.18	63	98.1		M4	1573	P -68 588
38	9.3	9.0W	5 59.683	0.0122	09	-61 22 46.78	-0.044	09	0.14	59.637	14	46.2	46.61	14	46.2	F5	CO	1728	P -61 773
39		8.8	6 17.065	-0.0163	33	-68 55 52.85	0.106	43	2.28	17.992	75	93.1	58.85	57	93.1		M3	885	
40		6.5T	6 25.550	-0.0002	09	-68 45 28.92	0.005	11	0.58	25.561	19	93.7	29.21	19	95.7	G5	GC	9447	P*-68 591
41	10.1	9.0W	6 30.696	-0.0016	07	-63 55 28.74	0.036	07	0.14	30.702	14	46.2	28.87	14	46.2	G5	CO	1729	P -63 686
42		7.1T	6 44.093	-0.0038	13	-66 56 9.16	-0.023	12	0.66	44.273	21	02.1	7.98	19	98.2	K0	GC	9453	P -66 655
43		9.0	6 57.069	-0.0064	25	-67 12 50.73	-0.034	36	1.68	57.392	53	99.2	49.00	63	99.2		M4	1578	P -67 706
44		9.5	7 24.221	-0.0035	25	-65 27 27.19	-0.039	36	1.71	24.394	53	98.2	25.17	63	98.2		M4	1581	P -65 703
45	10.2		7 40.684	0.0021	09	-60 46 9.21	0.025	09	0.14	40.676	14	46.2	9.31	14	46.2	A8	O CO	1730	P -60 774
46	9.6	9.6W	7 45.203	-0.0030	07	-63 23 48.02	0.015	07	0.14	45.214	14	46.2	48.08	14	46.2	A0	CO	1731	P -63 689
47		7.9T	7 50.529	-0.0031	14	-67 51 20.51	0.008	12	0.68	50.680	22	01.3	20.91	19	99.0	B8	GC	9479	P -67 710
48	9.8	9.4W	7 55.700	0.0038	09	-60 36 0.79	0.082	09	0.14	55.686	14	46.2	1.11	14	46.2	F8	O CO	1732	P -60 776
49	10.3	9.2W	8 22.203	0.0017	09	-61 21 10.97	0.010	09	0.14	22.196	14	46.2	11.01	14	46.2	K0	O CO	1734	P -61 776
50		8.0T	8 26.649	-0.0014	12	-60 29 36.23	0.052	10	0.55	26.714	18	02.9	38.90	15	99.1	F0	GC	9499K	P*-60 778
51	10.4		7 8 33.577	0.0028	13	-61 2 37.82	-0.002	13	0.15	33.566	14	46.2	37.81	14	46.2	A8	O CO	1737	P -60 779
52	9.2	8.2W	8 37.451	-0.0003	06	-63 40 43.61	-0.009	06	0.14	37.452	14	46.2	43.57	14	46.2	K0	CO	1738	P -63 692
53	10.1	9.1W	8 39.052	0.0011	13	-60 27 10.34	0.018	13	0.15	39.047	14	46.2	10.41	14	46.2	K0	O CO	1739	P -60 780
54		6.9T	8 43.331	0.0004	07	-60 17 54.10	0.051	08	0.39	43.311	15	04.2	56.57	15	02.0	K0	GC	9504K	P*-60 782
55	10.1	9.5W	8 56.403	0.0017	09	-61 27 40.03	-0.005	09	0.14	56.397	14	46.2	40.01	14	46.2	G5	O CO	1741	P -61 778
56		8.3T	9 5.284	-0.0016	11	-62 13 22.34	0.060	10	0.51	5.353	18	07.2	25.12	18	04.0	A5	GC	9511	P -62 778
57	10.0	9.2W	9 15.895	0.0087	07	-63 43 39.99	0.046	07	0.14	15.862	14	46.2	40.17	14	46.2	G5	CO	1743	P -63 695
58	9.8	9.7W	9 21.418	0.0006	07	-60 45 2.47	0.010	07	0.14	21.416	14	46.2	2.51	14	46.2	F0	O CO	1744	P -60 786
59	10.4		9 28.298	0.0032	13	-60 47 50.45	-0.012	13	0.15	28.286	14	46.2	50.41	14	46.2	G	O CO	1745	P -60 788
60	9.6	9.4W	9 41.282	-0.0004	15	-62 56 6.40	0.099	15	0.15	41.284	14	46.2	6.78	14	46.2	F8	CO	1746	P -62 782
61	9.7	9.0W	9 45.041	0.0013	06	-60 44 17.26	0.012	06	0.14	45.036	14	46.2	17.31	14	46.2	G5	CO	1747	P -60 789
62		7.6T	9 49.848	-0.0012	11	-64 22 33.56	-0.016	10	0.53	49.905	19	03.1	32.79	18	01.1	A0	GC	9536	P -64 677
63	10.3	9.2W	10 3.840	-0.0006	07	-63 32 52.02	-0.013	07	0.14	3.842	14	46.2	51.97	14	46.2	K0	O CO	1748	P*-63 698
64	10.2	9.8W	10 20.064	0.0022	09	-60 39 7.08	0.007	09	0.14	20.076	14	46.2	7.11	14	46.2		CO	1749	P -60 790
65	10.4	9.3W	10 37.324	0.0021	09	-60 57 37.91	0.025	09	0.14	37.316	14	46.2	38.01	14	46.2	G8	O CO	1750	P -60 793
66		9.0	10 37.852	-0.0034	25	-65 40 31.12	0.001	36	1.79	38.037	53	95.1	31.19	63	95.1		M4	1592	P -65 714
67	10.5	9.9W	10 41.294	-0.0026	11	-62 40 28.01	-0.062	11	0.15	41.304	14	46.2	27.78	14	46.2	G5	O CO	1751	P -62 785
68		9.4T	10 45.061	-0.0101	26	-61 44 37.82	0.041	20	0.91	45.452	21	11.3	39.44	19	11.0	F0	GC	9557	P -61 781
69		8.9	10 46.272	-0.0004	33	-66 14 26.46	-0.089	43	2.32	46.292	75	92.1	21.33	57	92.1		M3	889	
70		8.4T	10 53.954	-0.0009	13	-66 58 56.96	0.027	12	0.69	53.997	21	99.9	58.41	19	96.6	G5	GC	9564	P -66 661
71		9.0	11 1.625	0.0076	25	-67 1 1.13	-0.014	36	1.75	1.219	53	96.8	0.40	63	96.8		M4	1594	P -66 662
72		7.2T	11 3.124	0.0008	13	-67 52 34.45	0.015	12	0.73	3.081	26	95.6	35.26	22	95.5	K0	GC	9566	P -67 719
73		8.9	11 32.624	-0.0023	25	-68 44 55.28	0.019	36	1.45	32.723	53	07.2	56.11	63	07.2		M4	1598	P -68 608
74		6.1T	11 33.872	-0.0004	08	-63 6 15.10	-0.002	06	0.33	33.889	12	08.9	15.03	12	04.3	A0	GC	9582K	P*-62 789
75	10.0	9.7W	11 34.383	0.0044	09	-61 11 10.18	0.032	09	0.14	34.366	14	46.2	10.31	14	46.2	F8	O CO	1754	P -61 782
76	10.3		11 39.517	0.0033	07	-61 57 39.98	0.029	07	0.14	39.505	14	46.2	40.09	14	46.2	F2	O CO	1755	P -61 783
77	9.6	8.7W	11 50.788	0.0012	07	-62 59 58.44	0.010	07	0.14	50.784	14	46.2	58.48	14	46.2	G5	CO	1756	P -62 790
78		7.7T	11 51.602	0.0023	15	-61 17 42.46	-0.033	11	0.63	51.501	21	06.0	40.90	18	02.1	K5	GC	9597	P -61 784
79	9.8	9.0W	12 4.811	0.0041	07	-60 52 51.05	0.041	07	0.14	4.796	14	46.2	51.21	14	46.2	K0	CO	1758	P -60 798
80		7.3T	12 17.316	0.0348	12	-67 41 37.44	-0.214	12	0.67	15.518	18	98.3	25.68	18	95.1	G0	GC	9609	P -67 720
81	10.3	9.9W	12 17.899	0.0010	09	-60 33 36.14	0.017	09	0.14	17.896	14	46.2	36.21	14	46.2	G0	O CO	1759	P -60 801
82	9.7	9.9W	12 18.938	0.0001	06	-60 22 10.40	0.001	06	0.14	18.937	14	46.2	10.41	14	46.2	A0	CO	1760	P -60 800
83	9.5	8.9W	12 21.230	0.0093	09	-61 31 32.44	-0.039	09	0.14	21.195	14	46.2	32.29	14	46.2	G0	CO	1761	P -61 786
84	10.1	9.9W	12 33.706	0.0003	08	-61 59 48.00	-0.022	08	0.14	33.705	14	46.2	48.09	14	46.2	F2	O CO	1762	P -61 787
85	9.5	9.3W	12 47.148	0.0007	07	-60 40 29.50	-0.025	07	0.14	47.146	14	46.2	29.41	14	46.2	F8	CO	1764	P -60 802
86	10.0	8.9W	12 50.779	0.0013	07	-63 7 49.40	-0.032	07	0.14	50.774	14	46.2	49.28	14	46.2	K2	CO	1766	P -63 704
87	9.8	9.8W	12 52.783	0.0001	12	-63 51 26.28	0.024	12	0.15	52.782	14	46.2	26.37	14	46.2	A	CO	1767	P -63 705
88		7.3T	12 57.228	-0.0007	11	-64 47 11.35	0.003	10	0.50	57.255	18	08.0	11.48	18	02.2	B8	GC	9629	P -64 686
89	10.5	9.5W	13 3.260	-0.0038	13	-61 45 30.13	0.015	13	0.15	3.275	14	46.2	30.19	14	46.2	G8	O CO	1768	P -61 789
90	9.7	9.2W	13 18.021	-0.0015	06	-60 1 2.52	-0.003	06	0.14	18.027	14	46.2	2.51	14	46.2	G3	O CO	1769	P -59 798
91	8.0	8.1W	13 27.017	-0.0018	07	-62 56 49.02	0.042	07	0.14	27.024	14	46.2	49.18	14	46.2	A3	CO	1770	P -62 796
92		7.1T	13 43.994	-0.0159	09	-60 58 54.22	0.007	07	0.47	44.797	18	99.5	54.61	17	97.1	F2	GC	9647	P -60 803
93	10.2	9.9W	14 6.327	0.0007	15	-63 23 21.08	-0.105	15	0.15	6.324	14	46.2	21.48	14	46.2	F5	O CO	1773	P -63 708
94	10.2	8.3W	14 8.697	-0.0001	07	-60 10 25.66	-0.013	07	0.14	8.697	14	46.2	25.71	14	46.2	M0	O CO	1774	P -60 804
95	8.2	8.5W	14 13.291	-0.0007	07	-62 58 33.13	0.040	07	0.14	13.294	14	46.2	33.28	14	46.2	A0	CO	1776	P -62 803
96		8.9	14 26.376	-0.0075	25	-64 51 29.11	0.003	36	1.76	26.777	53	96.2	29.26	63	96.2		M4	1604	P -64 688
97		9.3	14 59.781	-0.0093	25	-66 27 25.58	-0.071	36	1.68	+ 0.256	53	99.2	21.99	63	99.2		M4	1608	P -66 667
98	10.1	9.8W	15 5.908	0.0010	09	-61 34 9.09	-0.001	09	0.14	5.905	14	46.2	9.09	14	46.2	A3	O CO	1778	P -61 792
99	10.1	8.6W	15 9.634	-0.0000	09	-63 5 23.59	0.024	09	0.14	9.634	14	46.2	23.68	14	46.2	K	O CO	1780	P -62 806
00	10.1	9.7W	15 25.380	0.0010	11	-60 57 46.45	0.015	11	0.15	25.376	14	46.2	46.51	14	46.2	G0	O CO	1781	P -60 809

249800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-60° 7H DM NUMBER
1		8.7T	7 15 29.505	-0.0005	10	-60 26 5.60	0.045	09	0.49	29.527	19	03.2	7.76	18	02.6	A2		GC	9710	P -60 810
2		8.4	15 38.098	0.0045	25	-64 33 16.25	-0.062	36	1.71	37.858	45	96.9	12.98	53	96.9			M4	1612	P -64 692
3	10.1		15 38.877	0.0060	13	-61 42 3.92	0.045	13	0.15	38.855	14	46.2	4.09	14	46.2	A0	O	CO	1783	P -61 795
4		8.2	16 6.854	-0.0084	25	-66 42 57.02	-0.032	36	1.52	7.242	45	03.6	55.54	53	03.6			M4	1615	P -66 669
5		7.2T	16 13.255	0.0046	11	-64 2 12.51	0.174	10	0.55	13.033	21	01.5	21.38	18	99.1	F5		GC	9725	P -63 711
6		9.3	16 20.163	0.0157	25	-69 56 36.26	-0.073	36	1.79	19.304	53	95.2	32.29	63	95.2			M4	1618	P -69 714
7		9.2	16 37.673	-0.0033	25	-65 17 47.62	0.089	36	1.71	37.846	53	98.2	52.24	63	98.2			M4	1616	P -65 728
8		8.1T	16 38.718	-0.0018	13	-63 23 15.15	0.007	11	0.61	38.801	21	03.9	15.52	19	00.5	B9		GC	9738	P -63 712
9		4.0M	16 51.659	-0.0011	02	-67 51 56.77	-0.004	02	0.11	51.700	05	10.9	56.62	05	11.2	F5		F4	281	P -67 730
10	9.2	8.8W	16 52.511	-0.0008	06	-62 55 44.45	-0.020	06	0.14	52.514	14	46.2	44.38	14	46.2	G5		CO	1789	P -62 812
11	10.5	8.8W	17 1.008	0.0006	13	-61 19 49.87	0.010	13	0.15	1.006	14	46.2	49.91	14	46.2	K5	O	CO	1790	P -61 797
12	9.9	9.5W	17 24.698	-0.0043	07	-63 20 23.38	-0.001	07	0.14	24.714	14	46.2	23.38	14	46.2	A0	O	CO	1792	P -63 715
13	10.2	10.0W	17 41.179	0.0007	13	-61 27 16.68	0.007	13	0.15	41.176	14	46.2	16.71	14	46.2	A5	O	CO	1793	P -61 801
14	9.5	9.4W	18 0.837	0.0030	07	-62 7 46.58	0.002	07	0.14	0.825	14	46.2	46.59	14	46.2	A3	O	CO	1794	P -61 804
15		8.9T	18 4.130	-0.0028	13	-60 30 33.85	-0.002	11	0.57	4.254	19	05.9	33.78	18	04.9	F0		GC	9779	P -60 819
16	9.0		18 7.527	-0.0015	13	-63 58 18.59	0.022	13	0.15	7.532	14	46.2	18.67	14	46.2	B9		CO	1796	P -63 718
17		7.5T	18 10.641	-0.0020	10	-63 17 36.34	0.015	08	0.52	10.742	19	99.4	37.13	17	95.7	B9		GC	9783	P -63 717
18	9.6	9.4W	18 14.902	0.0019	15	-62 23 12.14	0.040	15	0.15	14.895	14	46.2	12.29	14	46.2	A8	O	CO	1798	P -62 814
19		9.3	18 38.012	-0.0044	25	-65 44 41.46	0.016	36	1.71	38.239	53	98.2	42.30	63	98.2			M4	1623	P -65 740
20	10.4		18 47.135	0.0026	09	-61 34 57.07	0.006	09	0.14	47.125	14	46.2	57.09	14	46.2	A0	O	CO	1799	P -61 806
21		8.2	18 49.660	0.0007	25	-69 13 59.10	-0.029	36	1.45	49.629	53	07.2	57.84	63	07.2			M4	1626	P -69 715
22		6.7T	18 52.612	0.0007	10	-61 3 2.22	0.015	08	0.49	52.578	18	00.8	3.02	17	98.0	K0		GC	9803	P -60 821
23		9.5	19 0.885	-0.0115	25	-64 50 9.39	0.003	36	1.76	1.501	53	96.2	9.53	63	96.2			M4	1625	P -64 705
24		8.2T	19 9.971	0.0018	10	-67 5 38.77	0.025	12	0.61	9.875	22	97.8	40.05	21	99.1	M0		GC	9813	P -66 680
25	10.7	9.4W	19 19.730	-0.0068	09	-60 56 24.55	-0.037	09	0.14	19.756	14	46.2	24.41	14	46.2	G8	O	CO	1802	P -60 823
26	10.4		19 30.676	0.0030	11	-61 51 12.84	0.013	11	0.15	30.665	14	46.2	12.89	14	46.2	A2	O	CO	1803	P -61 809
27	9.9		20 18.129	0.0005	09	-60 3 34.79	0.004	09	0.14	18.127	14	46.2	34.81	14	46.2	A0		CO	1805	P -59 819
28	9.2	9.0W	20 25.730	-0.0031	06	-63 39 32.49	0.022	06	0.14	25.742	14	46.2	32.57	14	46.2	A3		CO	1806	P -63 726
29	10.6		20 33.148	0.0001	13	-60 2 29.97	-0.017	13	0.15	33.147	14	46.2	29.91	14	46.2	F0	O	CO	1807	P -59 820
30	10.3	9.1W	20 38.513	-0.0011	07	-60 9 25.21	-0.000	07	0.14	38.517	14	46.2	25.21	14	46.2	K		CO	1809	P -60 825
31		8.4T	20 52.862	0.0018	16	-61 53 46.26	0.021	13	0.65	52.788	19	08.5	47.17	18	07.5	A3		GC	9856	P -61 813
32		7.1T	21 4.931	-0.0041	11	-61 51 17.93	0.023	10	0.53	5.118	19	04.4	19.08	18	00.6	B8		GC	9861	P -61 814
33	10.1		21 21.790	0.0012	07	-60 35 44.72	-0.003	07	0.14	21.786	14	46.2	44.71	14	46.2	F		CO	1812	P -60 828
34	9.6	9.4W	21 26.552	-0.0002	07	-63 48 7.34	-0.019	07	0.14	26.552	14	46.2	7.27	14	46.2	G0		CO	1813	P -63 729
35		9.2T	21 31.787	-0.0013	12	-60 12 25.26	-0.004	09	0.49	31.839	17	09.1	25.09	17	03.0	A5		GC	9872	P*-60 829
36	10.3	9.2W	21 45.635	0.0020	07	-60 9 6.20	0.002	07	0.14	45.627	14	46.2	6.21	14	46.2	K		CO	1815	P -60 831
37		8.4	22 24.093	-0.0014	25	-67 12 1.58	-0.066	36	1.79	24.167	53	95.2	57.97	63	95.2			M4	1635	P -67 741
38	10.2	9.7W	22 30.036	0.0001	09	-60 36 53.71	-0.026	09	0.14	30.036	14	46.2	53.61	14	46.2	F8	O	CO	1817	P -60 833
39		7.0T	22 31.274	-0.0019	12	-62 10 25.53	0.026	09	0.57	31.369	18	99.9	27.05	15	96.5	K0		GC	9895	P -62 824
40		8.1T	22 39.184	-0.0051	14	-66 26 25.03	0.037	14	0.71	39.425	21	03.3	26.84	21	01.6	A0		GC	9901	P -66 687
41		8.6	22 48.622	-0.0013	33	-65 22 19.92	-0.136	43	2.28	48.697	75	93.2	12.20	57	93.2			M3	917	
42		8.0	23 4.405	-0.0045	25	-64 35 36.76	-0.028	36	1.39	4.588	53	09.1	35.63	63	09.1			M4	1640	P -64 711
43	10.7	9.7W	23 9.083	-0.0008	09	-60 42 13.24	-0.008	09	0.14	9.086	14	46.2	13.21	14	46.2	K	O	CO	1820	P -60 835
44		8.1T	23 13.915	-0.0010	09	-60 44 20.72	0.010	08	0.43	13.962	17	03.5	21.23	15	01.3	A0		GC	9918	P -60 836
45	9.6	9.1W	23 30.192	0.0012	07	-60 24 1.03	0.021	07	0.14	30.188	14	46.2	1.11	14	46.2	G0		CO	1822	P -60 838
46		7.5	23 30.321	0.0217	25	-67 55 22.90	-0.073	36	1.69	29.205	53	98.6	19.14	63	98.6			M4	1643	P -67 746
47	10.6		23 54.874	-0.0002	12	-62 26 1.52	-0.007	12	0.15	54.875	14	46.2	1.49	14	46.2	G0	O	CO	1823	P -62 828
48		8.4	24 17.121	-0.0053	25	-67 36 5.17	0.012	36	1.56	17.369	53	03.2	5.73	63	03.2			M4	1647	P -67 749
49	10.1	9.5W	24 25.912	-0.0025	12	-63 33 52.12	0.014	12	0.15	25.922	14	46.2	52.17	14	46.2	F5	O	CO	1826	P -63 734
50	10.0	9.1W	25 4.231	-0.0005	07	-62 57 32.32	-0.010	07	0.14	4.234	14	46.2	32.28	14	46.2	G5	O	CO	1827	P -62 832
51		8.9	7 25 29.450	0.0017	25	-65 12 53.02	0.023	36	1.43	29.380	53	07.9	53.99	63	07.9			M4	1650	P -65 758
52		9.0	25 33.052	-0.0033	25	-65 27 10.09	-0.054	36	1.59	33.210	53	02.2	7.51	63	02.2			M4	1651	P -65 759
53	10.0	8.9W	25 53.592	-0.0037	06	-60 53 32.02	-0.004	06	0.14	53.606	14	46.2	32.01	14	46.2	K0		CO	1828	P -60 839
54		8.8	26 17.321	-0.0093	25	-68 48 10.14	-0.005	36	1.68	17.794	53	99.2	9.91	63	99.2			M4	1653	P -68 645
55	9.3	8.1W	26 46.668	-0.0064	06	-64 8 13.86	-0.022	06	0.14	46.693	14	46.2	13.77	14	46.2	K5		CO	1832	P -63 738
56		7.8T	26 52.524	-0.0161	13	-69 28 25.12	0.041	12	0.69	53.335	21	99.6	27.32	19	95.6	F5		GC	10019	P -69 736
57		7.3T	27 10.368	-0.0041	10	-68 30 47.70	0.095	10	0.57	10.587	19	96.9	53.05	18	93.9	F2		GC	10031	P -68 644
58	8.9	9.1W	27 19.618	-0.0015	12	-63 26 58.63	0.039	12	0.15	19.624	14	46.2	58.78	14	46.2	A0		CO	1833	P -63 739
59	9.9	9.8W	27 42.246	0.0002	09	-61 39 2.20	-0.003	09	0.14	42.245	14	46.2	2.19	14	46.2	A3	O	CO	1834	P -61 826
60		8.5	27 45.451	0.0006	25	-66 52 49.65	-0.056	36	1.45	45.424	53	07.2	47.26	63	07.2			M4	1658	P -66 700
61	8.4	8.2W	28 5.496	-0.0020	07	-63 21 20.50	0.021	07	0.14	5.504	14	46.2	20.58	14	46.2	F0		CO	1838	P -63 741
62	10.4	9.2W	28 8.180	-0.0063	09	-61 30 1.09	0.000	09	0.14	8.205	14	46.2	1.09	14	46.2	K		CO	1839	P -61 827
63	10.5		28 19.599	0.0010	09	-60 35 54.32	-0.003	09	0.14	19.596	14	46.2	54.31	14	46.2	A2	O	CO	1841	P -60 845
64		6.3T	28 27.176	0.0009	10	-64 24 16.86	-0.015	09	0.52	27.131	19	98.4	16.08	18	97.7	K5		GC	10057	P -64 721
65	8.2	8.3W	29 1.887	-0.0001	06	-60 0 13.63	0.022	06	0.14	1.887	14	46.2	13.71	14	46.2	A3		CO	1842	P -59 834
66		7.8T	29 15.394	0.0058	13	-61 8 33.56	-0.057	10	0.56	15.134	19	05.1	30.82	17	01.5	F5		GC	10081	P -60 846
67	9.5	9.1W	29 49.534	-0.0006	09	-61 18 24.66	0.038	09	0.14	49.536	14	46.2	24.81	14	46.2	G0		CO	1845	P -61 834
68	10.2	10.0W	30 1.835	-0.0021	09	-60 23 3.79	0.032	09	0.14	1.843	14	46.2	3.91	14	46.2	F8	O	CO	1846	P -60 853
69	10.1	9.8W	30 31.212	0.0005	07	-62 6 11.80	-0.003	07	0.14	31.210	14	46.2	11.79	14	46.2	G0	O	CO	1848	P -61 835
70		8.8	30 32.745	-0.0074	33	-68 53 19.40	0.062	43	2.32	33.171	75	92.1	22.98	57	92.1			M3	936	
71		8.9	30 39.201	-0.0024	33	-66 14 30.87	-0.050	43	2.32	39.340	75	92.1	27.96	57	92.1			M3	934	
72	9.3	8.2W	30 49.967	0.0024	07	-63 19 18.23	-0.041	07	0.14	49.958	14	46.2	18.08	14	46.2	K2		CO	1849	P -63 749
73	10.6		30 58.027	-0.0001	14	-62 42 33.19	0.023	14	0.15	58.028	14	46.2	33.28	14	46.2	G0	O	CO	1850	P -62 838
74		7.6T	30 58.473	-0.0031	12	-64 15 54.62	0.047	09	0.55	58.621	21	02.2	56.91	18	01.4	F5		GC	10111	P -64 728
75	9.3	8.9W	31 12.069	0.0077	07	-61 35 2.02	0.019	07	0.14	12.039	14	46.2	2.09	14	46.2	G5		CO	1851	P -61 838
76		8.2	31 13.765	0.0006	33	-67 4 38.10	-0.073	43	2.28	13.731	75	93.2	33.98	57	93.2			M3	937	
77	8.5	8.5W	32 11.639	-0.0025	07	-63 12 57.96	0.033	07	0.14	11.648	14	46.2	58.08	14	46.2	F0		CO	1852	P -63 751
78	10.4		32 44.831	-0.0017	13	-62 34 50.45	0.034	13	0.15	44.838	14	46.2	50.58	14	46.2	A2	O	CO	1854	P -62 843
79	10.1	9.0W	33 8.962	0.0005	06	-61 47 56.46	0.006	06	0.14	8.960	14	46.2	56.49	14	46.2	K0	O	CO	1855	P -61 845
80		8.0T	33 20.561	-0.0018	13	-60 8 0.40	0.016	11	0.56	20.639	18	06.6	1.13	18	05.5	F5		GC	10177	P -59 849
81		6.7T	33 25.616	-0.0011	14	-68 39 27.44	0.011	12	0.67	25.667	21	02.5	28.01	19	98.0	A0		GC	10181	P -68 656
82	9.6	9.6W	33 42.462	0.0005	13	-62 18 15.80	-0.002	13	0.15	42.460	14	46.2	15.79	14	46.2	F1	O	CO	1858	P -62 844
83		9.0	33 57.777	-0.0164	25	-65 34 48.73	-0.058	36	1.79	58.678	53	95.2	45.53	63	95.2			M4	1677	P -65 776
84		8.2T	33 59.224	-0.0013	12	-60 58 17.17	0.010	10	0.53	59.283	18	05.8	17.64	17	05.0	A0		GC	10197	P -60 860
85	9.8	8.9W	34 0.233	-0.0013	07	-63 22 58.11	0.044	07	0.14	0.238	14	46.2	58.28	14	46.2	K0		CO	1860	P -63 754
86		9.0	34 30.314	-0.0044	25	-65 27 25.81	-0.095	36	1.71	30.541	53	98.2	20.92	63	98.2			M4	1678	P -65 779
87	8.7	8.9W	34 31.312	-0.0015	07	-62 55 40.80	0.048	07	0.14	31.318	14	46.2	40.98	14	46.2	A2		CO	1862	P -62 846
88		8.1	34 32.305	-0.0084	25	-66 32 8.58	0.181	36	1.41	32.656	53	08.5	16.09	63	08.5			M4	1680	P -66 713
89		9.0	34 35.413	-0.0058	25	-64 41 47.37	-0.070	36	1.79	35.733	53	95.2	43.51	63	95.2			M4	1679	P -64 732
90	10.0	9.5W	34 48.417	0.0023	07	-62 50 39.34	0.011	07	0.14	48.408	14	46.2	39.38	14	46.2	F7	O	CO	1863	P -62 848
91	8.2	8.4W	35 45.515	-0.0012	06	-61 45 38.04	0.013	06	0.14	45.520	14	46.2	38.09	14	46.2	B9		CO	1865	P -61 851
92	8.4	8.9W	36 7.148	-0.0021	06	-64 6 3.15	0.006	06	0.14	7.156	14	46.2	3.17	14	46.2	A0		CO	1867	P -63 759
93		7.9T	36 9.582	-0.0014	12	-67 15 52.66	0.014	11	0.61	9.515	21	01.4	53.39	19	96.5	A2		GC	10264	P -67 785
94		8.2T	36 16.848	-0.0067	13	-63 11 11.55	0.017	12	0.61	17.153	21	04.2	12.37	19	03.4	A0		GC	10268	P -63 760
95		7.0T	36 24.426	-0.0030	09	-68 56 35.04	0.012	11	0.59	24.578	22	98.4	35.68	21	96.1	B8		GC	10270	P -68 659
96		8.2	36 29.357	0.0006	25	-67 29 53.45	-0.030	36	1.62	29.328	53	01.2	51.96	63	01.2			M4	1688	P -67 786
97		8.7	36 52.993	0.0026	25	-65 30 55.93	-0.176	36	1.71	52.860	53	98.2	46.79	63	98.2			M4	1695	P -65 783
98		7.8	36 56.039	0.0017	25	-68 23 45.07	0.008	36	1.79	55.948	53	95.2	45.53	63	95.2			M4	1692	P -68 662
99	10.0	9.8W	37 0.190	0.0037	12	-64 8 26.30	0.019	12	0.15	0.176	14	46.2	26.37	14	46.2	F1	O	CO	1869	P -63 761
00	9.7	9.1W	37 15.127	0.0082	07	-63 56 7.40	0.019	07	0.14	15.096	14	46.2	7.47	14	46.2	G0		CO	1870	P -63 762

249900			EPOCH 1950							ORIGINAL EPOCH						SP.	SOURCE		-60° 7H	
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
	m_{pg}	m_v	h m s	s	s/.001	° ′ ″	″	″/.001	″	s	s/.01		″	″/.01						
1	9.2	9.3W	7 37 15.623	-0.0017	07	-62 11 24.91	-0.006	07	0.14	15.630	14	46.2	24.89	14	46.2	A2	CO	1871	P -62 854	
2		7.3T	37 18.746	-0.0002	11	-65 48 9.39	0.008	10	0.54	18.756	21	01.1	9.77	19	01.5	K0	GC	10299	P -65 785	
3	8.0	8.3W	37 36.091	-0.0013	06	-63 49 51.43	0.012	06	0.14	36.096	14	46.2	51.47	14	46.2	A0	CO	1872	P -63 763	
4	10.5	9.8W	37 40.036	0.0015	07	-62 8 30.93	-0.010	07	0.14	40.030	14	46.2	30.89	14	46.2	G2 ○	CO	1873	P -61 856	
5	9.1	8.5W	37 43.440	-0.0075	12	-63 27 26.92	-0.012	12	0.15	43.446	14	46.2	26.88	14	46.2	K0	CO	1874	P -63 764	
6		8.8	37 47.899	-0.0024	33	-65 20 49.25	-0.098	43	2.32	48.036	75	92.1	43.60	57	92.1		M3	950		
7		7.5T	37 52.126	-0.0003	10	-60 30 50.93	0.023	08	0.46	52.142	17	04.0	52.08	15	01.0	A0	GC	10314	P -60 869	
8	9.9	8.6W	37 54.204	0.0035	07	-62 18 4.24	-0.013	07	0.14	54.190	14	46.2	4.19	14	46.2	K5	CO	1876	P -62 857	
9	9.9		37 59.518	-0.0014	11	-60 7 1.41	-0.027	11	0.15	59.523	14	46.2	1.31	14	46.2	A	CO	1878	P -59 865	
10		7.7T	38 5.876	0.0011	12	-67 19 53.96	-0.040	12	0.66	5.820	22	99.5	51.80	21	96.6	F2	GC	10326	P -67 788	
11	10.0	9.8W	38 21.375	0.0009	09	-61 18 6.24	0.018	09	0.14	21.371	14	46.2	6.31	14	46.2	F2 ○	CO	1879	P -61 859	
12	9.0	8.1W	38 32.795	-0.0009	07	-63 18 45.71	-0.140	07	0.14	32.798	14	46.2	45.18	14	46.2	K0	CO	1882	P -63 768	
13		8.0 T	38 34.273	0.0016	25	-68 9 17.64	-0.052	36	1.70	34.188	53	98.2	14.97	63	98.2		M4	1696	P -67 791	
14		9.5T	38 50.637	-0.0001	15	-66 36 20.94	-0.002	17	0.77	50.643	24	03.6	20.82	24	04.0	F2	GC	10344	P -66 723	
15	10.0	9.0W	39 12.835	-0.0038	07	-61 34 23.17	-0.022	07	0.14	12.850	14	46.2	23.09	14	46.2	K0	CO	1884	P -61 865	
16		8.8T	39 54.105	-0.0081	10	-64 21 59.62	0.048	10	0.49	54.459	18	06.2	+ 1.84	17	03.9	F5	GC	10366	P -64 738	
17	8.6	8.5W	40 14.896	-0.0017	07	-61 52 18.82	-0.009	07	0.14	14.890	14	46.2	18.79	14	46.2	F0	CO	1888	P -61 870	
18	9.0	8.1W	40 31.483	-0.0067	06	-63 14 31.50	0.020	06	0.14	31.508	14	46.2	31.58	14	46.2	K2	CO	1890	P -63 774	
19		7.4T	40 40.022	-0.0015	12	-69 43 42.97	0.041	11	0.60	40.095	21	01.6	45.15	19	96.9	K0	GC	10382	P -69 764	
20	8.9	8.9W	40 48.956	-0.0001	06	-64 7 10.22	0.014	06	0.14	48.956	14	46.2	10.27	14	46.2	A0	CO	1891	P -63 778	
21	9.7	8.8W	40 49.879	-0.0022	07	-62 36 41.68	0.000	07	0.14	49.888	14	46.2	41.68	14	46.2	K0	CO	1892	P -62 867	
22	9.7	8.5W	40 52.486	-0.0010	06	-62 14 18.88	0.029	06	0.14	52.490	14	46.2	18.99	14	46.2	K5	CO	1893	P -62 868	
23	8.8	9.1W	40 54.683	-0.0025	05	-60 9 46.69	0.005	05	0.14	54.693	14	46.2	46.71	14	46.2	A2	CO	1894	P -59 877	
24	10.4	9.4W	41 16.992	0.0003	09	-61 26 4.44	-0.008	09	0.14	16.991	14	46.2	4.41	14	46.2	G3 ○	CO	1895	P -61 872	
25		8.2	41 26.048	0.0036	25	-65 40 14.26	-0.121	36	1.47	25.892	53	06.2	8.96	63	06.2		M4	1706	P -65 796	
26		8.4T	41 26.213	-0.0031	12	-67 33 32.63	-0.044	12	0.63	26.367	21	99.8	30.40	21	99.1	A5	GC	10406	P -67 799	
27	9.5	9.5W	41 30.331	0.0033	07	-62 50 41.95	0.007	07	0.14	30.318	14	46.2	41.98	14	46.2	A2	CO	1898	P -62 871	
28		8.5	41 38.370	-0.0044	25	-65 23 58.31	-0.051	36	1.79	38.609	53	95.2	55.54	63	95.2		M4	1707	P -65 797	
29	9.3	9.6W	41 44.236	-0.0006	06	-63 7 1.62	0.015	06	0.14	44.238	14	46.2	1.68	14	46.2	A0	CO	1899	P*-62 872	
30		9.6T	41 52.342	-0.0002	13	-60 10 59.71	-0.003	11	0.58	52.351	19	05.7	59.59	18	04.7	K5	GC	10419	P*-60 881	
31	9.9	8.4W	41 54.155	-0.0009	07	-63 21 55.26	-0.021	07	0.14	54.158	14	46.2	55.18	14	46.2	K5	CO	1901	P -63 782	
32	10.1	9.7W	42 4.275	-0.0016	09	-60 37 14.32	-0.030	09	0.14	4.281	14	46.2	14.21	14	46.2	F8 ○	CO	1902	P -60 882	
33		9.0T	42 4.727	-0.0006	12	-61 46 46.72	0.030	11	0.55	4.750	19	06.8	48.10	18	04.6	G5	GC	10428	P -61 874	
34		7.3T	42 5.676	0.0001	11	-66 47 0.54	-0.035	10	0.61	5.672	21	96.3	-58.53	19	93.3	K0	GC	10432	P -66 733	
35	9.6	9.4W	42 25.354	-0.0032	12	-63 34 53.39	0.023	12	0.15	25.366	14	46.2	53.47	14	46.2	A5	CO	1904	P -63 784	
36		8.1T	42 30.310	0.0028	12	-61 46 48.82	0.011	10	0.51	30.187	18	06.6	49.33	17	05.4	F2	GC	10447	P -61 875	
37	10.1		42 59.451	-0.0004	08	-60 6 13.34	0.019	08	0.14	59.453	14	46.2	13.41	14	46.2	A3 ○	CO	1907	P -59 890	
38	8.1	8.5W	43 3.131	-0.0007	06	-63 16 42.25	0.034	06	0.14	3.128	14	46.2	42.38	14	46.2	B9	CO	1908	P -63 788	
39	8.9	8.9W	43 10.033	-0.0040	06	-63 10 17.20	0.021	06	0.14	10.048	14	46.2	17.28	14	46.2	F2	CO	1909	P -62 875	
40		8.0T	43 31.153	0.0040	12	-69 56 28.37	-0.101	11	0.65	30.948	21	98.8	22.81	19	95.0	G0	GC	10464	P -69 768	
41		7.7T	43 49.524	-0.0001	11	-67 4 50.21	0.026	11	0.61	49.530	19	99.8	51.57	19	96.8	M0	GC	10477	P -66 737	
42		8.0T	44 5.764	-0.0008	13	-62 19 47.20	0.038	11	0.59	5.803	21	04.2	48.99	19	03.4	K2	GC	10481	P -62 878	
43		6.2T	44 22.615	-0.0090	09	-69 41 57.52	0.007	08	0.53	23.095	21	96.7	57.93	18	90.3	A0	GC	10484	P -69 770	
44		6.4T	44 25.119	-0.0022	08	-65 56 59.85	0.040	07	0.45	25.238	18	96.0	+ 2.02	15	95.2	G5	GC	10487	P -65 806	
45		8.7	44 29.706	-0.0044	25	-65 21 31.24	-0.047	36	1.39	29.885	53	09.2	29.33	63	09.2		M4	1720	P -65 805	
46	10.0	8.7W	44 38.225	0.0014	07	-62 15 57.72	0.019	07	0.14	38.220	14	46.2	57.79	14	46.2	K5	CO	1914	P -62 880	
47	9.0	8.0W	44 52.710	0.0028	07	-61 51 43.74	-0.040	07	0.14	52.700	14	46.2	43.59	14	46.2	K5	CO	1915	P -61 883	
48			44 53.607	0.0016	25	-68 38 4.09	-0.026	36	1.64	53.526	53	00.3	2.79	63	00.3		M4	1725V	P*-68 672	
49		7.7T	44 57.473	-0.0010	11	-64 4 16.31	0.000	10	0.56	57.523	19	99.9	16.32	18	97.9	A0	GC	10499	P -63 797	
50	10.0	10.0W	44 58.998	-0.0001	12	-63 10 28.20	-0.031	12	0.15	58.998	14	46.2	28.08	14	46.2	F5 ○	CO	1918	P -62 882	
51	10.8	9.9W	7 45 0.820	-0.0026	09	-62 5 52.25	-0.016	09	0.14	0.830	14	46.2	52.19	14	46.2	G5 ○	CO	1919	P -61 884	
52	10.2	9.8W	45 6.516	-0.0006	15	-62 59 30.14	0.010	15	0.15	6.518	14	46.2	30.18	14	46.2	F2 ○	CO	1920	P -62 884	
53	11.3		45 7.478	-0.0012	09	-60 22 51.98	-0.019	09	0.14	7.483	14	46.2	51.91	14	46.2	K ○	CO	1921	P -60 884	
54		9.0	45 9.348	-0.0054	25	-65 36 4.78	-0.040	36	1.70	9.629	53	98.2	2.69	63	98.2		M4	1724	P -65 810	
55		7.8	45 29.091	-0.0024	25	-66 56 46.69	-0.016	36	1.68	29.216	45	98.2	45.84	53	98.2		M4	1727	P -66 743	
56		7.4T	45 39.443	-0.0108	10	-61 18 35.67	0.273	09	0.52	39.973	19	01.0	50.43	18	96.0	G5	GC	10524	P -61 888	
57	9.5	9.2W	45 44.218	-0.0008	06	-61 16 33.52	-0.028	06	0.14	44.221	14	46.2	33.41	14	46.2	G0 ○	CO	1924	P -61 889	
58	10.1		45 50.361	-0.0006	14	-60 23 13.90	0.001	14	0.15	50.363	14	46.2	13.91	14	46.2	A1 ○	CO	1925	P -60 888	
59		7.9T	45 52.871	0.0004	13	-67 18 28.40	0.007	11	0.63	52.852	19	01.3	28.75	19	96.6	A0	GC	10530	P -67 811	
60	9.1	9.5W	45 55.634	0.0012	09	-61 36 26.33	0.017	09	0.14	55.630	14	46.2	26.39	14	46.2	A0	CO	1927	P -61 891	
61	9.6	8.7W	45 57.476	-0.0006	07	-62 54 5.95	0.008	07	0.14	57.478	14	46.2	5.98	14	46.2	K0	CO	1928	P -62 886	
62		8.4	46 6.236	-0.0033	25	-69 22 23.79	0.030	36	1.79	6.419	53	95.2	25.43	63	95.2		M4	1729	P -69 775	
63	8.6	8.9W	46 16.728	-0.0009	06	-61 14 17.44	-0.009	06	0.14	16.731	14	46.2	17.41	14	46.2	A0	CO	1929	P -61 892	
64	9.7	9.7W	46 42.812	0.0029	07	-60 39 32.15	-0.012	07	0.14	42.801	14	46.2	32.11	14	46.2	A2	CO	1930	P -60 890	
65	10.1		46 53.161	-0.0006	11	-60 2 35.07	-0.018	11	0.15	53.163	14	46.2	35.01	14	46.2	A0 ○	CO	1931	P -59 900	
66	8.9	9.0W	46 59.329	0.0003	07	-63 22 20.66	0.004	07	0.14	59.328	14	46.2	20.68	14	46.2	A0	CO	1932	P -63 807	
67	9.2	8.8W	47 10.125	-0.0054	06	-63 35 37.07	0.026	06	0.14	10.146	14	46.2	37.17	14	46.2	F8	CO	1934	P -63 809	
68	10.2	9.8W	47 31.351	-0.0000	07	-61 19 2.06	-0.014	07	0.14	31.351	14	46.2	2.01	14	46.2	G0 ○	CO	1935	P*-61 894	
69	8.8	8.9W	47 33.043	0.0005	06	-60 46 14.49	-0.020	06	0.14	33.041	14	46.2	14.41	14	46.2	A2	CO	1936	P -60 892	
70	9.1	8.9W	47 44.310	0.0019	13	-60 2 29.70	0.029	13	0.15	44.303	14	46.2	29.81	14	46.2	F5	CO	1937	P -59 904	
71		7.8T	48 1.928	-0.0048	12	-61 2 12.41	0.058	10	0.52	2.134	18	07.2	15.24	18	01.6	F0	GC	10688	P -60 893	
72	7.3	7.7W	48 4.933	-0.0007	06	-63 33 44.01	-0.010	06	0.14	4.936	14	46.2	43.97	14	46.2	A0	CO	1940	P*-63 815	
73	10.2	9.6W	48 5.599	0.0077	12	-62 17 19.69	-0.001	12	0.15	5.570	14	46.2	19.69	14	46.2	G5 ○	CO	1941	P -62 894	
74	10.1	9.6W	48 22.688	-0.0021	07	-63 36 30.30	0.018	07	0.14	22.696	14	46.2	30.37	14	46.2	G0 ○	CO	1944	P -63 817	
75		5.8H	48 23.387	-0.0085	05	-60 9 30.60	0.150	04	0.14	23.634	08	20.8	34.91	07	21.3	F2	F4	1206	P -59 908	
76	8.6	9.0W	49 15.586	-0.0014	09	-60 32 20.46	0.012	09	0.14	15.591	14	46.2	20.51	14	46.2	B9	CO	1948	P -60 896	
77	9.0	8.0W	49 16.545	-0.0017	07	-61 5 40.96	0.014	07	0.14	16.551	14	46.2	41.01	14	46.2	K2	CO	1949	P -60 898	
78		5.9T	49 21.390	-0.0002	06	-66 4 4.55	-0.005	06	0.30	21.400	09	03.6	4.28	09	00.0	B9	GC	10628	P -65 827	
79	8.7	9.0W	49 44.196	0.0001	07	-64 0 55.58	-0.029	07	0.14	44.196	14	46.2	55.47	14	46.2	A0	CO	1950	P -63 821	
80		8.8	49 54.108	-0.0053	33	-69 19 49.89	-0.041	43	2.32	54.418	75	92.1	47.51	57	92.1		M3	983		
81		8.4T	50 17.998	-0.0027	12	-62 42 0.13	-0.005	10	0.55	18.124	21	02.9	-59.86	19	01.0	K0	GC	10648	P -62 902	
82	8.9	9.1W	50 25.931	-0.0000	06	-61 7 30.67	0.011	06	0.14	25.931	14	46.2	30.71	14	46.2	B9	CO	1953	P -60 900	
83		8.9	50 33.657	-0.0064	25	-66 34 2.31	0.058	36	1.71	33.991	53	98.2	5.32	63	98.2		M4	1738	P -66 759	
84	8.0	7.1W	50 35.791	-0.0043	06	-62 48 4.74	0.037	06	0.14	35.808	14	46.2	4.88	14	46.2	G5	CO	1954	P -62 903	
85		8.4T	50 51.892	-0.0033	13	-67 32 36.81	0.013	13	0.70	52.052	22	00.8	37.49	21	99.4	A2	GC	10660	P -67 830	
86	9.0	9.4W	51 7.223	-0.0000	13	-60 15 15.04	0.018	13	0.15	7.223	14	46.2	15.11	14	46.2	A2	CO	1955	P -60 904	
87	8.3	8.5W	51 12.367	0.0024	06	-62 46 42.97	0.003	06	0.14	12.358	14	46.2	42.98	14	46.2	B8	CO	1956	P -62 904	
88	10.1	9.2W	51 20.959	-0.0032	07	-60 40 21.73	-0.005	07	0.14	20.971	14	46.2	21.71	14	46.2	G5 ○	CO	1957	P -60 905	
89		7.5T	51 35.928	0.0008	10	-64 9 49.44	-0.011	09	0.53	35.888	19	00.0	48.89	18	98.7	A2	GC	10683	P -63 828	
90		9.0T	52 23.035	-0.0033	12	-61 31 11.46	0.029	11	0.55	23.180	18	06.5	12.80	18	04.5	F5	GC	10697	P -61 908	
91	8.8	9.0W	52 25.133	0.0006	06	-60 48 15.33	-0.006	06	0.14	25.131	14	46.2	15.31	14	46.2	B9	CO	1959	P -60 912	
92		8.5T	52 26.076	0.0001	11	-64 54 0.32	0.006	11	0.57	26.073	21	02.5	0.59	21	01.7	G5	GC	10702	P -64 769	
93	9.2	8.0W	52 34.632	-0.0020	06	-62 13 37.85	-0.016	06	0.14	34.640	14	46.2	37.79	14	46.2	K0	CO	1960	P -62 906	
94	9.2	8.9W	52 37.580	-0.0026	08	-62 11 4.25	-0.017	08	0.14	37.590	14	46.2	4.19	14	46.2	F8 ○	CO	1961	P -61 909	
95	7.6	7.9W	52 41.739	0.0021	11	-60 55 21.74	-0.009	11	0.15	41.731	14	46.2	21.71	14	46.2	A0	CO	1962	P -60 916	
96		9.0	52 45.325	-0.0028	25	-64 34 0.15	0.002	36	1.79	45.481	53	95.1	0.27	63	95.1		M4	1750	P -64 773	
97	8.9	8.8W	52 54.389	-0.0027	13	-61 50 26.20	-0.056	13	0.15	54.400	14	46.2	25.99	14	46.2	A3	CO	1963	P -61 911	
98	10.2	8.9W	52 55.259	-0.0037	09	-60 26 26.26	-0.012	09	0.14	55.273	14	46.2	26.21	14	46.2	K0 ○	CO	1964	P -60 918	
99	9.3	9.1W	52 58.611	0.0013	06	-63 38 16.57	-0.000	06	0.14	58.606	14	46.2	16.57	14	46.2	F8	CO	1965	P -63 832	
00		7.1T	53 4.935	-0.0021	13	-60 27 3.77	-0.014	12	0.61	5.031	21	04.6	3.12	19	02.4	K5	GC	10718	P -60 919	

250000 - -

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -60° 7H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″ .001	σ_{1950} ″	α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.8	7.9W	7 53 6.735	-0.0014	06	-62 14 54.31	0.046	06	0.14	6.740	14	46.2	54.49	14	46.2	G5	CO	1967	P -62 908
2	8.5	8.0W	53 6.936	-0.0183	06	-63 31 1.49	-0.127	06	0.14	7.006	14	46.2	1.97	14	46.2	G0	CO	1968	P -63 834
3	9.7	9.5W	53 24.550	-0.0001	11	-61 54 3.32	-0.008	11	0.15	24.550	14	46.2	3.29	14	46.2	F0	CO	1969	P -61 913
4		8.3	53 37.153	-0.0094	25	-67 52 40.44	-0.004	36	1.66	37.632	45	98.8	40.25	53	98.8		M4	1753	P -67 839
5	9.3	9.9W	53 44.841	-0.0001	11	-61 26 39.16	-0.014	11	0.15	44.841	14	46.2	39.21	14	46.2	B9	CO	1970	P -61 916
6	9.2	7.4W	53 45.127	0.0045	06	-61 44 17.22	-0.060	06	0.14	45.110	14	46.2	16.99	14	46.2	MA	CO	1971	P -61 918
7		8.5	53 45.948	0.0022	25	-64 48 34.03	-0.060	36	1.44	45.856	53	07.5	31.47	63	07.5		M4	1752	P -64 776
8		9.1	53 52.144	0.0027	25	-68 28 59.54	-0.060	36	1.53	52.023	53	04.2	56.81	63	04.2		M4	1755	P -68 690
9	9.8	9.7W	53 56.403	-0.0040	15	-62 45 53.87	0.002	15	0.15	56.418	14	46.2	53.88	14	46.2	F2	CO	1972	P -62 913
10		8.0	54 0.281	0.0006	25	-66 56 7.84	-0.051	36	1.79	0.249	53	95.2	5.02	63	95.2		M4	1754	P -66 769
11	8.2	8.6W	54 17.206	-0.0017	07	-60 24 44.18	0.007	07	0.14	17.213	14	46.2	44.21	14	46.2	A0	CO	1973	P -60 924
12	9.6	9.7W	54 32.146	0.0034	12	-60 10 47.95	0.015	12	0.15	32.133	14	46.2	48.01	14	46.2	A0	CO	1974	P -59 935
13	9.3	9.5W	54 32.457	0.0017	09	-60 42 38.38	0.033	09	0.14	32.451	14	46.2	38.51	14	46.2	A0	CO	1975	P -60 927
14	8.9	9.1W	55 0.941	-0.0030	07	-60 19 35.28	0.007	07	0.14	0.953	14	46.2	35.31	14	46.2	A2	CO	1976	P -60 930
15	7.9	8.2W	55 3.026	0.0013	06	-61 2 5.73	-0.005	06	0.14	3.021	14	46.2	5.71	14	46.2	A0	CO	1977	P -60 932
16	8.8	9.0W	55 9.867	-0.0007	07	-62 12 44.97	-0.023	07	0.14	9.870	14	46.2	44.89	14	46.2	B9	CO	1978	P -62 917
17	8.6	8.9W	55 13.217	0.0012	07	-60 6 29.41	-0.000	07	0.14	13.213	14	46.2	29.41	14	46.2	A0	CO	1980	P -59 937
18		6.8T	55 27.733	0.0013	13	-60 57 53.84	-0.001	11	0.57	27.677	19	06.0	53.81	18	03.7	B9	GC	10767	P -60 937
19		5.6T	55 28.087	-0.0015	08	-60 23 29.97	0.012	06	0.31	28.154	12	11.3	30.52	12	05.8	K2	GC	10768	P -60 935
20	8.7	9.1W	55 30.753	0.0032	13	-60 39 58.31	-0.000	13	0.15	30.741	14	46.2	58.31	14	46.2	A0	CO	1983	P -60 939
21	9.2	9.3W	55 35.489	0.0048	14	-61 8 56.49	0.005	14	0.15	35.471	14	46.2	56.51	14	46.2	A0	CO	1984	P -60 941
22	10.0	9.2W	55 41.468	-0.0006	07	-62 15 10.92	-0.009	07	0.14	41.470	14	46.2	10.89	14	46.2	G3	CO	1985	P -62 920
23	7.4	7.8W	55 55.710	0.0007	07	-60 40 47.29	0.004	07	0.14	55.701	14	46.2	47.31	14	46.2		CO	1986	P -60 944
24	7.8	8.2W	56 4.376	0.0007	07	-60 27 47.23	-0.005	07	0.14	4.373	14	46.2	47.21	14	46.2	A0	CO	1989	P -60 947
25		8.7	56 12.366	-0.0074	25	-65 28 45.59	-0.031	36	1.61	12.733	45	00.3	44.07	53	00.3		M4	1761	P -65 843
26		8.1	56 20.201	-0.0234	25	-69 30 47.80	0.154	36	1.43	21.187	53	07.9	54.28	63	07.9		M4	1765	P -69 801
27	9.4	9.5W	56 21.767	0.0016	13	-60 45 11.38	0.032	13	0.15	21.761	14	46.2	11.51	14	46.2	A0	CO	1990	P -60 949
28	7.5	7.8W	56 30.320	0.0023	13	-60 40 37.03	0.020	13	0.15	30.311	14	46.2	37.11	14	46.2	B9	CO	1991	P*-60 952
29		7.9T	56 31.344	-0.0010	11	-60 37 53.97	0.006	10	0.49	31.389	17	06.3	54.27	15	03.9	B9	GC	10791	P -60 953
30		6.1T	56 34.529	-0.0026	09	-63 9 40.40	0.012	08	0.50	34.666	19	96.5	41.03	17	95.2	B8	GC	10793	P*-62 925
31	9.3	9.3W	56 35.052	-0.0010	06	-63 50 42.03	0.012	06	0.14	35.056	14	46.2	42.07	14	46.2	A0	CO	1994	P -63 852
32	9.1	9.3W	56 41.394	0.0004	13	-60 29 41.64	-0.007	13	0.15	41.393	14	46.2	41.61	14	46.2	A0	CO	1995	P -60 955
33	8.6	8.2W	56 45.656	0.0001	07	-63 34 34.26	0.003	07	0.14	45.656	14	46.2	34.27	14	46.2	G0	CO	1997	P -63 853
34	8.6	9.0W	56 46.262	0.0003	09	-60 55 20.73	0.021	09	0.14	46.261	14	46.2	20.81	14	46.2	A0	CO	1998	P -60 960
35		5.7T	56 51.608	0.0692	08	-60 10 6.34	0.117	06	0.32	48.944	14	11.5	11.66	12	04.7	F8	GC	10804	P -59 944
36		7.0W	56 56.074	0.0009	06	-60 47 24.29	0.005	06	0.14	56.071	14	46.2	24.31	14	46.2	B9	CO	2001	P -60 967
37	8.1	8.3W	56 57.183	-0.0001	13	-60 28 24.22	-0.003	13	0.15	57.183	14	46.2	24.21	14	46.2	B8	CO	2002	P -60 966
38	9.3	9.4W	57 4.216	-0.0001	14	-64 11 4.74	0.008	14	0.15	4.216	14	46.2	4.77	14	46.2	A0	CO	2003	P -63 855
39	9.2	9.1W	57 11.427	-0.0007	08	-61 55 44.80	0.050	08	0.14	11.430	14	46.2	44.99	14	46.2	F5	CO	2004	P -61 936
40		7.9T	57 12.345	-0.0004	12	-60 28 41.85	0.005	10	0.51	12.362	18	07.6	42.09	18	06.5	B8	GC	10810	P -60 976
41		6.4T	57 17.631	0.0011	11	-65 46 19.62	0.017	11	0.55	17.579	19	01.7	20.42	18	01.9	K5	GC	10813	P -65 846
42	8.3	8.5W	57 18.229	0.0022	06	-60 38 38.09	0.006	06	0.14	18.221	14	46.2	38.11	14	46.2		CO	2006	P -60 979
43		7.6T	57 19.924	0.0010	17	-60 40 48.03	0.020	12	0.64	19.885	19	09.7	48.88	18	08.1	B9	GC	10815	P -60 980
44	9.9	9.9W	57 22.952	0.0016	12	-63 38 54.92	0.014	12	0.15	22.946	14	46.2	54.97	14	46.2	A2	CO	2008	P -63 857
45		7.4W	57 23.090	-0.0003	06	-60 39 52.46	0.012	06	0.14	23.091	14	46.2	52.51	14	46.2	B9	CO	2009	P*-60 982
46	9.4	9.6W	57 26.272	-0.0017	07	-63 5 33.88	0.000	07	0.14	26.278	14	46.2	33.88	14	46.2	A0	CO	2011	P -62 930
47		6.6W	57 32.694	0.0007	07	-60 43 9.37	-0.017	07	0.14	32.691	14	46.2	9.31	14	46.2	B8	CO	2012	P -60 988
48	10.0	9.7W	57 38.161	0.0021	13	-60 7 39.75	-0.036	13	0.15	38.153	14	46.2	39.61	14	46.2	F5	CO	2016	P -59 949
49		7.8T	57 38.161	-0.0049	11	-62 59 40.98	0.002	10	0.54	38.396	21	01.6	41.10	18	01.2	A0	GC	10827	P -62 932
50		8.9	57 38.754	-0.0075	25	-67 32 18.00	0.009	36	1.79	39.164	53	95.2	18.47	63	95.2		M4	1769	P -67 854
51	8.5	8.9W	7 57 40.557	-0.0011	13	-60 35 31.27	0.009	13	0.15	40.561	14	46.2	31.31	14	46.2		CO	2018	P -60 993
52	9.4	9.5W	57 49.133	0.0006	11	-60 52 34.42	-0.004	11	0.15	49.131	14	46.2	34.41	14	46.2	A0	CO	2019	P -60 1001
53	7.5	7.9W	57 53.229	-0.0005	09	-60 33 50.68	0.007	09	0.14	53.231	14	46.2	50.71	14	46.2	B9	CO	2020	P -60 1003
54	8.5	8.9W	57 59.266	-0.0012	11	-60 30 24.77	-0.017	11	0.15	59.271	14	46.2	24.71	14	46.2	A0	CO	2021	P -60 1005
55		5.9T	58 0.579	-0.0010	09	-60 41 13.40	0.013	09	0.48	0.630	17	01.0	14.06	15	00.5	B3	GC	10848	P*-60 1006
56	9.8	10.0W	58 2.823	-0.0033	15	-64 13 27.74	0.009	15	0.15	2.836	14	46.2	27.77	14	46.2	A0	CO	2024	P -64 792
57		7.5	58 13.596	-0.0024	25	-66 38 15.75	-0.010	36	1.68	13.719	53	99.2	15.27	63	99.2		M4	1770	P -66 785
58		7.6T	58 15.964	-0.0034	11	-61 26 46.28	0.034	10	0.48	16.109	17	07.9	47.87	18	03.9	F0	GC	10859	P -61 941
59	10.3	10.0W	58 21.550	-0.0204	07	-63 29 42.67	0.239	07	0.14	21.628	14	46.2	43.58	14	46.2	F8	CO	2026	P -63 861
60		8.6T	58 23.662	-0.0016	17	-60 26 57.29	0.009	13	0.65	23.726	19	09.6	57.69	18	08.0	A0	GC	10860	P -60 1012
61	9.4	9.7W	58 31.088	-0.0011	13	-60 3 41.29	0.006	13	0.15	31.103	14	46.2	41.31	14	46.2	A0	CO	2103	P -59 953
62	8.8	9.1W	58 31.299	0.0020	07	-60 40 40.01	-0.001	07	0.14	31.291	14	46.2	40.01	14	46.2	A0	CO	2028	P*-60 1015
63		5.1T	58 46.439	0.0004	07	-60 26 55.80	0.009	06	0.30	46.423	12	08.6	56.24	12	03.6	M0	GC	10873	P*-60 1018
64		6.4T	58 47.432	0.0006	12	-60 4 9.06	0.002	08	0.54	47.404	19	03.7	9.19	18	97.0	B8	GC	10874	P*-59 954
65	8.2	8.5W	59 7.336	0.0013	06	-60 36 29.51	0.001	06	0.14	7.331	14	46.2	29.51	14	46.2	B9	CO	2032	P -60 1022
66	10.0	9.7W	59 9.114	-0.0018	09	-61 19 46.60	-0.060	09	0.14	9.121	14	46.2	46.41	14	46.2	F6	CO	2033	P -61 943
67	8.5	8.9W	59 13.355	0.0010	08	-60 38 12.29	-0.022	08	0.14	13.351	14	46.2	12.21	14	46.2	A0	CO	2034	P*-60 1023
68	9.6	9.8W	59 27.732	-0.0016	07	-63 20 58.03	-0.013	07	0.14	27.738	14	46.2	57.98	14	46.2	A	CO	2035	P -63 865
69		5.0T	59 42.321	0.0001	07	-63 25 42.46	0.019	06	0.29	42.319	14	11.0	43.26	12	07.0	B3	GC	10893	P*-63 866
70	9.2	9.3W	8 0 7.679	0.0020	07	-61 27 1.70	0.002	07	0.14	7.671	14	46.2	1.71	14	46.2	A0	CO	2037	P -61 946
71	8.1	8.4W	0 12.799	-0.0006	06	-60 47 36.28	0.007	06	0.14	12.801	14	46.2	36.31	14	46.2	A0	CO	2038	P -60 1033
72	8.1	8.3W	0 13.511	-0.0002	07	-61 23 3.60	0.003	07	0.14	13.511	14	46.2	3.61	14	46.2	A0	CO	2039	P*-61 947
73	9.6	9.8W	0 25.860	-0.0003	11	-61 13 40.09	0.005	11	0.15	25.861	14	46.2	40.11	14	46.2	A0	CO	2040	P -61 948
74	9.0	8.1W	0 32.542	0.0006	07	-61 44 15.16	0.033	07	0.14	32.540	14	46.2	15.29	14	46.2	K0	CO	2041	P -61 949
75	9.6	9.8W	0 37.577	-0.0008	07	-62 7 2.43	-0.011	07	0.14	37.580	14	46.2	2.39	14	46.2	A0	CO	2042	P -61 951
76	9.6	9.4W	0 44.294	0.0015	07	-62 50 41.96	0.032	07	0.14	44.288	14	46.2	42.08	14	46.2	F0	CO	2043	P -62 940
77	10.3		0 47.352	-0.0002	11	-60 5 54.21	-0.027	11	0.15	47.353	14	46.2	54.11	14	46.2	A5	CO	2117	P -59 960
78	9.4	9.5W	0 49.484	0.0007	14	-61 16 53.00	0.003	14	0.15	49.481	14	46.2	53.01	14	46.2	A3	CO	2044	P -61 952
79	8.8	9.1W	0 49.863	-0.0000	06	-60 22 40.23	0.021	06	0.14	49.863	14	46.2	40.31	14	46.2	A0	CO	2045	P -60 1037
80	9.7	9.3W	0 55.695	-0.0085	07	-62 42 57.96	0.006	07	0.14	55.728	14	46.2	57.98	14	46.2	F9	CO	2046	P -62 941
81	9.5	9.4W	1 3.925	0.0014	08	-62 17 1.08	0.027	08	0.14	3.920	14	46.2	1.19	14	46.2	F0	CO	2047	P -62 942
82	9.3	9.4W	1 8.017	0.0014	13	-60 56 27.97	0.010	13	0.15	8.011	14	46.2	28.01	14	46.2	A0	CO	2048	P -60 1038
83	9.6	9.1W	1 22.078	0.0025	07	-63 22 5.73	-0.013	07	0.14	22.068	14	46.2	5.68	14	46.2	G5	CO	2049	P -63 873
84	9.9	9.5W	1 34.794	0.0075	07	-63 30 58.45	-0.046	07	0.14	34.766	14	46.2	58.27	14	46.2	F4	CO	2050	P -63 874
85		6.8T	1 36.312	-0.0041	13	-69 53 3.45	0.114	11	0.67	36.516	22	00.2	9.46	19	97.2	G0	GC	10944	P -69 820
86		8.6T	1 56.111	-0.0014	14	-69 53 8.23	0.056	13	0.70	56.179	22	01.3	10.94	21	01.7	K2	GC	10951	P -69 821
87	9.7	9.5W	2 4.463	0.0052	13	-60 5 15.24	-0.060	13	0.15	4.443	14	46.2	15.01	14	46.2	F8	CO	2051	P -59 969
88		7.0T	2 7.757	-0.0232	10	-65 52 40.17	-0.153	11	0.54	8.869	19	02.1	32.69	18	01.2	G5	GC	10955	P -65 858
89		8.4	2 8.322	-0.0124	25	-67 39 12.63	0.012	36	1.69	8.958	53	98.6	13.26	63	98.6		M4	1779	P -67 866
90		7.6T	2 10.491	-0.0026	14	-69 38 3.42	0.025	13	0.71	10.618	21	01.3	4.69	19	98.8	K2	GC	10956	P -69 822
91	7.8	8.1W	2 22.273	0.0009	07	-61 59 26.88	0.001	07	0.14	22.270	14	46.2	26.89	14	46.2	B9	CO	2054	P -61 956
92	9.2	9.4W	2 32.023	0.0026	11	-60 0 38.95	0.016	11	0.15	32.013	14	46.2	39.01	14	46.2	A0	CO	2055	P -59 973
93	8.9	9.1W	2 37.391	-0.0054	07	-60 22 58.44	-0.008	07	0.14	37.393	14	46.2	58.41	14	46.2	A2	CO	2056	P -60 1048
94	8.1	8.5W	2 50.858	-0.0008	06	-60 45 54.25	-0.011	06	0.14	50.861	14	46.2	54.21	14	46.2	B8	CO	2057	P -60 1049
95		8.5	3 1.659	0.0026	25	-66 41 49.15	-0.044	36	1.39	1.554	53	09.1	47.37	63	09.1		M4	1781	P -66 792
96	10.1	9.7W	3 13.466	0.0042	13	-61 39 16.99	-0.025	13	0.15	13.449	14	46.2	16.89	14	46.2	F8	CO	2058	P -61 961
97		8.2	3 16.918	0.0012	25	-64 29 8.77	0.032	36	1.79	16.852	53	95.2	10.54	63	95.2		M4	1783	P -64 815
98		6.8T	3 24.421	-0.0012	13	-69 49 43.46	0.025	10	0.64	24.479	22	00.4	44.52	19	96.8	A0	GC	10989	P -69 826
99		6.8T	3 47.932	-0.0024	12	-68 47 37.96	-0.005	11	0.64	48.056	21	97.8	37.67	18	93.4	K0	GC	11000	P -68 725
00		7.8T	3 48.091	0.0042	10	-62 41 46.91	-0.034	09	0.48	47.906	17	06.3	45.30	17	01.9	K0	GC	11001K	P -62 952

250100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-60° 8H DM NUMBER
1		6.4T	8 4 0.426	-0.0012	10	-62 41 33.14	0.015	07	0.47	0.483	19	01.0	33.99	17	95.4	B3		GC	11005K	P*-62 953
2		7.4T	4 9.185	0.0014	11	-60 14 38.31	0.008	09	0.53	9.115	18	00.3	38.75	17	97.4	A0		GC	11009K	P*-60 1056
3	10.0		4 10.837	0.0003	12	-63 38 39.74	0.009	12	0.15	10.836	14	46.2	39.77	14	46.2	A0	O	CO	2062	P -63 885
4		7.8T	4 13.506	-0.0031	12	-67 3 52.80	0.027	11	0.61	13.656	21	01.7	54.25	19	97.5	A2		GC	11010	P -66 796
5	10.2		4 33.606	-0.0011	13	-61 49 38.41	-0.005	13	0.15	33.610	14	46.2	38.39	14	46.2	A0	O	CO	2063	P -61 962
6	9.9	9.8W	4 38.117	-0.0024	07	-64 11 54.29	-0.005	07	0.14	38.126	14	46.2	54.27	14	46.2	A4	O	CO	2064	P -63 886
7	10.2		4 56.316	-0.0013	13	-60 48 21.06	0.011	13	0.15	56.321	14	46.2	21.11	14	46.2	A2		CO	2065	P -60 1059
8		8.7T	5 27.789	-0.0024	09	-64 55 26.35	-0.013	10	0.47	27.899	18	04.7	25.73	18	03.9	A2		GC	11035	P -64 820
9		7.6T	5 28.361	-0.0036	13	-64 13 55.52	0.015	10	0.59	28.528	21	03.7	56.28	18	99.9	F5		GC	11036	P -64 819
10	9.2	8.0W	5 29.756	-0.0015	06	-61 23 23.60	0.054	06	0.14	29.761	14	46.2	23.81	14	46.2	F2		CO	2066	P -61 963
11		6.6T	5 56.624	-0.0035	09	-63 22 15.21	0.046	09	0.51	56.800	19	99.1	17.55	18	98.5	K0		GC	11048	P -63 892
12		8.8T	6 26.505	-0.0016	16	-68 28 16.84	0.012	16	0.79	26.583	21	02.5	17.43	21	02.1	A0		GC	11062	P -68 731
13	9.2	9.3W	6 27.367	-0.0010	07	-61 13 11.77	-0.017	07	0.14	27.371	14	46.2	11.71	14	46.2	A0		CO	2068	P -61 965
14	9.0	9.1W	6 27.680	-0.0004	07	-61 26 44.90	0.001	07	0.14	27.681	14	46.2	44.91	14	46.2	A0		CO	2069	P -61 966
15	9.9	8.4W	6 30.207	0.0037	07	-60 8 41.29	0.005	07	0.14	30.193	14	46.2	41.31	14	46.2			CO	2070	P -59 982
16		8.0T	6 30.301	-0.0008	12	-60 12 7.12	0.026	11	0.60	30.338	19	03.5	8.42	19	00.7	A0		GC	11065	P*-59 983
17		7.7T	7 5.221	-0.0018	10	-65 49 46.60	0.008	09	0.53	5.316	19	97.9	47.03	18	95.6	K2		GC	11075	P -65 876
18	9.3	9.4W	7 12.821	-0.0002	07	-61 24 22.00	0.001	07	0.14	12.821	14	46.2	22.01	14	46.2	F0		CO	2073	P -61 970
19	9.7	8.6W	7 13.576	-0.0010	09	-62 12 33.18	-0.024	09	0.14	13.580	14	46.2	33.09	14	46.2	G8	O	CO	2074	P -61 971
20		6.6T	7 21.543	-0.0000	12	-60 55 47.34	-0.015	10	0.57	21.544	19	02.4	46.59	18	98.6	K0		GC	11088K	P -60 1068
21		9.4T	7 23.051	-0.0015	16	-60 55 48.62	-0.014	15	0.76	23.121	24	04.1	47.98	24	02.9			GC	11089K	P -60 1068
22		8.7T	7 31.493	0.0046	22	-64 40 30.73	0.008	18	0.95	31.292	24	06.0	31.09	22	03.4	K5		GC	11092	P -64 825
23	9.8	9.7W	7 33.053	0.0007	13	-61 49 24.54	0.014	13	0.15	33.050	14	46.2	24.59	14	46.2	A7	O	CO	2078	P -61 972
24	9.1	9.3W	7 36.696	0.0038	07	-61 26 59.11	-0.000	07	0.14	36.681	14	46.2	59.11	14	46.2	A0		CO	2080	P -61 973
25		7.7T	7 38.103	-0.0054	14	-68 45 7.35	0.026	12	0.69	38.366	21	01.0	8.71	19	97.7	A2		GC	11094	P -68 735
26	8.9	9.1W	7 39.897	-0.0011	07	-60 39 20.72	-0.004	07	0.14	39.901	14	46.2	20.71	14	46.2	A0		CO	2081	P -60 1071
27		6.4T	7 45.734	-0.0024	10	-63 39 12.13	-0.001	08	0.50	45.857	19	98.3	12.09	18	95.6	B8		GC	11097	P*-63 896
28		4.5T	7 46.613	-0.0042	05	-68 28 12.53	0.021	04	0.24	46.796	10	06.9	13.58	10	01.0	B5		GC	11098K	P*-68 736
29		7.4T	7 50.977	-0.0022	12	-60 28 41.51	0.004	10	0.58	51.078	19	03.9	41.73	18	99.4	A0		GC	11099	P -60 1072
30		7.5	7 51.898	-0.0024	25	-69 45 5.92	0.037	36	1.76	52.026	53	96.3	7.90	63	96.3			M4	1804	P -69 847
31		4.8T	8 11.036	-0.0219	07	-61 8 59.78	-0.283	05	0.28	11.902	12	10.5	46.87	12	04.3	F5		GC	11115	P*-60 1074
32	9.6	9.2W	8 24.693	0.0084	09	-60 54 20.64	-0.087	09	0.14	24.661	14	46.2	20.31	14	46.2	G0	O	CO	2087	P -60 1076
33	9.2	9.4W	8 25.241	-0.0001	08	-61 26 6.19	-0.021	08	0.14	25.241	14	46.2	6.11	14	46.2	B9		CO	2088	P -61 976
34	9.2	8.4W	8 36.419	0.0017	07	-60 4 18.38	-0.020	07	0.14	36.413	14	46.2	18.31	14	46.2	G5		CO	2089	P -59 991
35		7.5T	8 38.101	0.0008	11	-64 37 40.29	-0.001	10	0.55	38.065	19	02.3	40.22	18	99.6	K0		GC	11126	P -64 828
36	9.3	8.7W	8 43.607	0.0055	06	-64 10 35.55	-0.046	06	0.14	43.586	14	46.2	35.37	14	46.2	K0		CO	2090	P -63 901
37	9.8	9.9W	8 45.784	0.0037	13	-61 54 45.10	-0.004	13	0.15	45.770	14	46.2	45.09	14	46.2	A1	O	CO	2091	P -61 978
38		7.5T	8 49.580	-0.0034	12	-68 50 36.12	0.012	10	0.63	49.755	21	97.9	36.80	19	93.2	A0		GC	11130K	P*-68 743
39	9.5	9.1W	9 31.250	0.0027	07	-61 41 46.73	-0.010	07	0.14	31.240	14	46.2	46.69	14	46.2	F5		CO	2092	P -61 981
40	9.2	9.0W	9 57.941	-0.0012	06	-63 53 50.68	0.024	06	0.14	57.946	14	46.2	50.77	14	46.2	F		CO	2093	P -63 905
41	8.7	8.3W	10 2.685	-0.0086	07	-62 44 54.57	0.135	07	0.14	2.718	14	46.2	55.08	14	46.2	G5		CO	2094	P -62 967
42		9.1	10 6.471	-0.0014	25	-65 52 9.60	-0.050	36	1.65	6.543	45	99.0	7.04	53	99.0			M4	1811	P -65 884
43	10.0	10.1W	10 14.503	-0.0012	12	-62 41 12.15	0.009	12	0.15	14.508	14	46.2	12.18	14	46.2	A0		CO	2096	P -62 969
44		9.1	10 44.104	-0.0083	25	-69 28 3.08	-0.011	36	1.83	44.562	63	95.2	2.48	75	95.2			M4	1815	P -69 858
45	10.6	9.7W	11 4.567	-0.0008	09	-62 19 57.53	-0.036	09	0.14	4.570	14	46.2	57.39	14	46.2			CO	2099	P -62 973
46	9.9	9.4W	11 12.600	-0.0138	07	-60 9 42.33	0.099	07	0.14	12.653	14	46.2	42.71	14	46.2	G0		CO	2100	P -59 999
47		8.2	11 14.510	-0.0004	25	-67 12 13.18	0.038	36	1.76	14.532	45	95.2	15.24	53	95.2			M4	1818	P -66 806
48	9.8	9.7W	11 36.144	0.0009	09	-61 2 10.16	0.013	09	0.14	36.141	14	46.2	10.21	14	46.2	F0		CO	2102	P -60 1089
49	9.5	9.2W	11 50.815	-0.0041	06	-60 48 9.36	-0.014	06	0.14	50.831	14	46.2	9.31	14	46.2	F5		CO	2103	P -60 1091
50	9.3	8.9W	11 52.054	0.0011	06	-61 41 49.51	-0.031	06	0.14	52.049	14	46.2	49.39	14	46.2	F5		CO	2104	P -61 984
51	8.4	8.5W	8 12 11.286	-0.0000	06	-63 49 32.41	-0.009	06	0.14	11.286	14	46.2	32.37	14	46.2	A2		CO	2105	P -63 909
52	8.4	8.2W	12 43.138	-0.0057	06	-62 20 4.05	0.035	06	0.14	43.160	14	46.2	4.19	14	46.2	F0		CO	2106	P -62 978
53	9.6	9.5W	12 56.567	-0.0048	14	-63 56 19.92	0.040	14	0.15	56.586	14	46.2	20.07	14	46.2	F0	O	CO	2107	P -63 912
54		9.0	12 56.644	-0.0064	33	-67 22 30.73	-0.056	43	2.28	57.008	75	93.2	27.58	57	93.2			M3	1034	
55	11.4	9.8W	13 9.859	-0.0001	13	-61 30 12.99	-0.001	13	0.15	9.860	14	46.2	12.99	14	46.2	K5	O	CO	2108	C -61 1879
56	8.6	8.6W	13 12.296	-0.0010	06	-62 16 56.41	-0.004	06	0.14	12.300	14	46.2	56.39	14	46.2	A0		CO	2109	P -62 980
57		7.9T	13 16.227	-0.0056	11	-61 17 22.07	0.044	09	0.49	16.470	17	06.8	24.23	17	01.4	A2		GC	11244	P -61 986
58	10.2	9.3W	13 20.653	-0.0049	09	-61 22 56.48	0.009	09	0.14	20.671	14	46.2	56.51	14	46.2	K0		CO	2111	P -61 987
59	9.0	9.1W	13 21.555	0.0005	07	-60 7 27.54	-0.034	07	0.14	21.553	14	46.2	27.41	14	46.2	A2		CO	2112	P -59 1005
60	9.7	9.3W	13 34.812	-0.0019	07	-61 30 22.19	0.000	07	0.14	34.819	14	46.2	22.19	14	46.2	F5		CO	2113	P*-61 990
61	10.0	10.0W	13 35.968	0.0020	12	-62 20 45.45	0.011	12	0.15	35.960	14	46.2	45.49	14	46.2	A0	O	CO	2114	P -62 982
62		9.3T	13 40.393	-0.0024	12	-65 52 22.28	-0.009	14	0.62	40.502	22	05.0	21.88	21	07.5	F2		GC	11251	P -65 895
63		8.0	13 40.621	-0.0074	25	-65 45 47.49	-0.082	36	1.51	40.953	53	05.2	43.80	63	05.2			M4	1825	P -65 894
64		5.3T	14 30.697	-0.0031	07	-62 45 39.52	-0.025	05	0.29	30.823	12	08.9	38.30	12	02.0	A2		GC	11275K	P*-62 985
65		8.5Q	14 30.999	-0.0073	13	-62 45 36.49	-0.003	14	0.72	31.371	21	98.8	36.32	22	00.9			GC	11276K	P -62 985
66	9.3	9.3W	14 40.426	-0.0014	06	-60 54 20.50	0.002	06	0.14	40.431	14	46.2	20.51	14	46.2	A0		CO	2117	P -60 1095
67		7.9	14 46.050	-0.0013	25	-69 28 7.55	-0.030	36	1.44	46.108	53	07.2	6.26	63	07.2			M4	1828	P -69 872
68	10.7		14 51.977	-0.0034	17	-62 1 22.14	0.012	17	0.16	51.990	14	46.2	22.19	14	46.2	G0	O	CO	2119	P -61 997
69	11.0		15 14.996	0.0015	13	-62 2 12.58	-0.025	13	0.15	14.990	14	46.2	12.49	14	46.2	F0	O	CO	2120	P -61 999
70	9.3	9.3W	15 18.718	-0.0005	05	-62 12 46.99	-0.026	05	0.14	18.720	14	46.2	46.89	14	46.2	A2		CO	2121	P -61 1000
71	9.3	7.7W	15 59.264	0.0003	05	-60 23 39.72	-0.004	05	0.14	59.263	14	46.2	39.71	14	46.2	MA		CO	2122	P -60 1097
72		7.8T	16 8.475	-0.0029	12	-64 14 49.02	0.025	10	0.56	8.613	21	02.4	50.24	18	01.7	A0		GC	11326	P -64 843
73	10.1	9.1W	16 13.393	-0.0020	07	-60 37 1.19	-0.022	07	0.14	13.401	14	46.2	1.11	14	46.2	K0		CO	2124	P -60 1098
74		6.8T	16 13.467	-0.0009	12	-64 1 51.59	0.020	09	0.58	13.513	22	98.8	52.64	18	98.2	B9		GC	11329	P -63 922
75	10.6	9.7W	16 22.910	-0.0003	09	-61 29 58.28	-0.018	09	0.14	22.911	14	46.2	58.21	14	46.2	K		CO	2126	P -61 1002
76		8.8	16 38.530	-0.0024	25	-67 11 33.02	-0.022	36	1.42	38.630	53	08.2	32.08	63	08.2			M4	1833	P -66 818
77		8.8	16 39.574	-0.0114	25	-65 30 5.22	-0.031	36	1.80	40.203	53	94.9	3.49	63	94.9			M4	1832	P -65 903
78	8.9	8.9W	16 42.562	0.0010	06	-62 42 28.31	-0.007	06	0.14	42.558	14	46.2	28.28	14	46.2	F0		CO	2128	P -62 992
79	10.0	8.6W	16 52.415	0.0035	09	-61 18 34.32	-0.029	09	0.14	52.401	14	46.2	34.21	14	46.2	K2		CO	2129	P -61 1003
80	10.9		16 53.016	-0.0057	07	-63 23 21.38	-0.001	07	0.14	53.038	14	46.2	21.38	14	46.2	F8	O	CO	2130	P -63 923
81		7.7T	17 7.788	-0.0007	11	-60 9 25.01	-0.009	09	0.51	7.819	18	04.6	24.60	17	01.5	B9		GC	11349	P -59 1017
82	10.0	9.7W	17 15.922	0.0015	06	-64 2 46.98	-0.029	06	0.14	15.916	14	46.2	46.87	14	46.2	F2	O	CO	2132	P -63 924
83		9.1	17 18.054	-0.0044	25	-65 26 57.41	-0.036	36	1.48	18.245	53	06.2	55.85	63	06.2			M4	1834	P -65 905
84		8.1T	17 25.640	-0.0012	12	-60 9 12.68	0.011	10	0.54	25.696	19	03.6	13.24	17	01.0	K0		GC	11357	P -59 1018
85	9.4	9.5W	17 36.910	0.0002	06	-61 41 16.27	-0.023	06	0.14	36.909	14	46.2	16.19	14	46.2	A0		CO	2135	P -61 1005
86		5.0T	17 46.016	0.0046	07	-65 27 20.71	0.017	05	0.29	45.829	12	09.6	21.51	10	04.5	K0		GC	11366	P -65 907
87		9.1	17 53.504	-0.0025	25	-67 33 25.14	0.039	36	1.79	53.639	53	95.2	27.26	63	95.2			M4	1838	P -67 912
88	9.4	8.8W	18 0.233	0.0001	06	-60 2 11.13	-0.007	06	0.14	0.233	14	46.2	11.11	14	46.2	G0		CO	2138	P -59 1021
89		8.3T	18 19.339	-0.0008	12	-61 32 38.39	0.000	10	0.55	19.376	19	05.3	38.41	18	03.6	K0		GC	11378	P -61 1007
90		8.4	19 4.033	-0.0058	25	-64 39 1.76	-0.060	36	1.79	4.352	53	95.2	58.49	63	95.2			M4	1841	P -64 852
91	9.6	9.7W	19 12.190	-0.0015	06	-63 44 26.28	-0.003	06	0.14	12.196	14	46.2	26.27	14	46.2	A2		CO	2141	P -63 929
92		8.9T	19 19.938	0.0151	13	-68 50 10.38	0.235	12	0.67	19.219	22	02.5	22.17	22	99.8	G5		GC	11398	P -68 771
93	9.1	8.0W	19 27.721	-0.0046	07	-63 20 39.50	-0.032	07	0.14	27.738	14	46.2	39.38	14	46.2	K0		CO	2143	P -63 932
94	9.5	9.8W	19 32.392	-0.0038	10	-64 10 57.17	0.028	10	0.15	32.406	14	46.2	57.27	14	46.2	A0		CO	2144	P -63 934
95	10.0	9.9W	19 37.012	0.0062	14	-63 23 4.25	-0.020	14	0.15	36.988	14	46.2	4.18	14	46.2	A3	O	CO	2145	P -63 933
96	9.3	7.7W	19 50.335	-0.0002	06	-63 50 57.25	0.005	06	0.14	50.336	14	46.2	57.27	14	46.2	K5		CO	2147	P -63 936
97	8.9	8.3W	20 1.124	-0.0032	06	-63 54 28.44	0.115	06	0.14	1.136	14	46.2	28.87	14	46.2	K0		CO	2148	P -63 938
98		7.7T	20 4.153	0.0005	12	-62 13 59.53	0.018	10	0.51	4.134	18	06.6	0.40	17	02.7	B9		GC	11427	P -61 1011
99		7.0T	20 8.020	0.0012	12	-68 54 5.48	-0.033	11	0.62	7.959	22	01.1	3.82	19	99.6	K0		GC	11429	P -68 777
00		8.7	20 10.810	0.0036	25	-67 59 59.79	0.040	36	1.79	10.611	53	95.2	2.00	63	95.2			M4	1846	P -67 922

250200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 8H DM NUMBER
1	10.1	9.3W	6 20 19.719	-0.0005	07	-61 17 6.44	-0.007	07	0.14	19.721	14	46.2	6.41	14	46.2	G5	CO	2150	P -61 1013
2		6.0T	20 26.099	-0.0003	11	-63 56 42.95	-0.028	09	0.43	26.110	14	11.4	41.82	14	09.2	G5	GC	11436	P -63 940
3		9.0	20 36.257	-0.0045	25	-66 34 26.75	-0.034	36	1.66	36.485	45	98.7	25.00	53	98.7		M4	1848	P -66 836
4	8.7	8.5W	20 48.388	-0.0039	11	-60 12 55.93	0.048	11	0.15	48.403	14	46.2	56.11	14	46.2	F2	CO	2152	P -59 1030
5	8.9	8.8W	21 3.362	-0.0028	09	-60 27 34.34	0.043	09	0.14	3.373	14	46.2	34.51	14	46.2	F0	CO	2153	P -60 1107
6		7.8T	21 31.538	-0.0055	14	-67 10 25.61	0.048	12	0.66	31.800	22	02.5	27.98	19	00.2	K2	GC	11465	P -66 840
7	10.8	9.8W	21 35.252	-0.0023	09	-60 38 56.79	-0.020	09	0.14	35.261	14	46.2	56.71	14	46.2	K0	CO	2155	P -60 1108
8		8.0	21 39.222	-0.0044	25	-65 21 49.10	-0.051	36	1.77	39.461	53	95.3	46.34	53	95.3		M4	1853	P -65 920
9	9.4	9.6W	21 50.233	0.0004	07	-61 23 50.70	-0.025	07	0.14	50.231	14	46.2	50.61	14	46.2	B5	CO	2157	P -61 1016
10	10.0		22 11.575	-0.0035	12	-62 43 33.38	0.027	12	0.15	11.588	14	46.2	33.48	14	46.2	A1	O CO	2158	P -62 1009
11	9.3	7.8W	22 20.806	-0.0001	06	-63 34 43.19	-0.005	06	0.14	20.806	14	46.2	43.17	14	46.2	K5	CO	2159	P -63 952
12	9.6	9.4W	22 21.706	-0.0017	06	-60 0 28.94	0.017	06	0.14	21.713	14	46.2	29.01	14	46.2	A2	CO	2160	P -59 1037
13		8.9T	22 38.030	-0.0007	11	-60 58 14.80	0.004	10	0.48	38.059	17	09.6	14.99	17	06.8	A3	GC	11486	P -60 1111
14	10.0	8.6W	22 56.245	0.0024	07	-63 34 10.59	-0.006	07	0.14	56.236	14	46.2	10.57	14	46.2	K3	O CO	2163	P -63 957
15	10.0	10.0W	23 5.691	-0.0078	09	-60 40 10.74	-0.035	09	0.14	5.721	14	46.2	10.61	14	46.2	A5	CO	2164	P -60 1113
16	9.9	9.1W	23 16.161	-0.0005	09	-60 29 10.43	-0.004	09	0.14	16.163	14	46.2	10.41	14	46.2	K0	CO	2165	P -60 1114
17	9.9	9.7W	23 54.473	0.0028	06	-60 4 47.77	0.010	06	0.14	54.463	14	46.2	47.81	14	46.2	F0	CO	2168	P -59 1040
18	9.9	9.0W	24 7.941	-0.0018	12	-62 56 53.52	0.016	12	0.15	7.948	14	46.2	53.58	14	46.2	G5	CO	2169	P -62 1018
19	10.4	9.4W	24 18.897	0.0028	08	-63 55 17.91	-0.035	08	0.14	18.886	14	46.2	17.77	14	46.2	K2	CO	2171	P -63 965
20	10.2	9.9W	24 22.253	0.0008	09	-62 0 30.93	-0.036	09	0.14	22.250	14	46.2	30.79	14	46.2	A3	O CO	2172	P -61 1022
21	8.2	8.2W	24 34.948	-0.0010	06	-61 11 1.63	-0.032	06	0.14	34.951	14	46.2	1.51	14	46.2	A3	CO	2173	P -60 1117
22		9.9T	24 37.800	-0.0018	18	-69 15 7.81	-0.010	13	0.79	37.883	24	04.6	7.31	22	00.5		GC	11549	P -69 908
23	9.9	8.4W	24 46.338	-0.0022	07	-62 43 56.79	-0.003	07	0.14	46.348	14	46.2	56.78	14	46.2	K2	CO	2174	P -62 1020
24	10.0	9.8W	24 46.689	-0.0018	09	-63 57 32.47	0.026	09	0.14	46.696	14	46.2	32.57	14	46.2	A3	CO	2175	P -63 967
25	9.9	9.9W	24 58.918	-0.0020	07	-63 33 27.89	-0.004	07	0.14	58.926	14	46.2	27.87	14	46.2	A3	O CO	2176	P -63 969
26		6.0T	25 10.918	-0.0015	11	-64 26 8.78	0.004	09	0.53	10.992	19	00.1	9.00	18	97.5	G5	GC	11564	P -64 878
27		8.9	25 11.331	-0.0024	25	-69 41 12.26	-0.013	36	1.78	11.461	53	95.6	11.55	63	95.6		M4	1864	P -69 913
28		3.6H	25 11.955	-0.0052	03	-65 58 11.00	-0.161	02	0.12	12.145	06	13.3	5.15	06	13.7	K0	F4	319	P -65 933
29	10.1	9.2W	25 39.741	-0.0028	09	-61 14 24.77	-0.041	09	0.14	39.751	14	46.2	24.61	14	46.2	K0	CO	2178	P -60 1121
30	9.2	9.1W	25 44.299	0.0016	06	-60 29 18.75	-0.011	06	0.14	44.293	14	46.2	18.71	14	46.2	F5	CO	2179	P -60 1122
31	10.0	8.9W	26 23.381	-0.0000	07	-60 49 23.44	-0.007	07	0.14	23.381	14	46.2	23.41	14	46.2	K2	CO	2181	P -60 1123
32		9.1T	26 23.676	-0.0027	12	-61 55 17.68	-0.023	12	0.60	23.796	19	06.3	16.59	21	01.6	K0	GC	11598	P -61 1024
33		8.4	26 49.012	-0.0044	25	-69 34 45.29	-0.018	36	1.64	49.233	53	00.2	44.40	63	00.2		M4	1869	P -69 917
34		8.2	26 53.279	-0.0028	25	-64 35 36.71	-0.023	36	1.79	53.434	53	95.2	35.47	63	95.2		M4	1866	P -64 890
35		5.6T	27 10.436	-0.0010	08	-69 55 38.19	0.044	05	0.29	10.474	09	12.2	40.01	09	08.5	B9	GC	11620	P -69 919
36	8.8	8.9W	27 28.132	0.0027	07	-61 10 40.94	0.017	07	0.14	28.121	14	46.2	41.01	14	46.2	A0	CO	2185	P -60 1128
37	9.4	9.2W	27 29.643	0.0039	09	-63 27 50.37	-0.050	09	0.14	29.628	14	46.2	50.18	14	46.2	F2	CO	2186	P -63 977
38	10.0	10.0W	27 30.990	-0.0029	09	-61 2 21.29	0.005	09	0.14	31.001	14	46.2	21.31	14	46.2	A0	CO	2187	P -60 1129
39	10.8	10.1W	27 37.529	0.0022	09	-61 0 10.96	-0.013	09	0.14	37.521	14	46.2	10.91	14	46.2	K	CO	2189	P -60 1130
40	9.2	9.1W	27 47.259	0.0021	06	-60 55 30.33	-0.005	06	0.14	47.251	14	46.2	30.31	14	46.2	F2	CO	2191	P -60 1131
41	10.1	9.8W	28 7.310	0.0076	09	-60 47 17.14	-0.035	09	0.14	7.281	14	46.2	17.01	14	46.2	A	CO	2192	P -60 1132
42	9.0	8.5W	28 13.301	-0.0049	11	-61 42 19.21	-0.005	11	0.15	13.320	14	46.2	19.19	14	46.2	G5	CO	2193	P -61 1030
43		8.2	28 19.113	-0.0083	25	-68 26 56.77	-0.018	36	1.47	19.478	53	06.3	56.00	63	06.3		M4	1876	P -68 790
44		7.6T	28 28.209	-0.0015	14	-60 0 39.65	0.008	11	0.59	28.270	18	08.8	40.05	18	03.1	G5	GC	11653	P -59 1049
45	9.9	9.4W	28 32.116	0.0014	07	-60 56 29.73	-0.006	07	0.14	32.111	14	46.2	29.71	14	46.2	G	CO	2195	P -60 1133
46	7.9	8.0W	28 36.126	-0.0032	06	-63 6 31.77	0.027	06	0.14	36.138	14	46.2	31.88	14	46.2	A5	CO	2197	P -62 1030
47	9.8	8.9W	29 1.628	0.0017	07	-60 32 44.77	-0.015	07	0.14	1.621	14	46.2	44.71	14	46.2	G5	CO	2200	P -60 1136
48	9.9	8.4W	29 10.219	-0.0029	09	-61 53 53.35	0.010	09	0.14	10.230	14	46.2	53.39	14	46.2	K5	CO	2201	P -61 1034
49	9.7	9.5W	29 14.406	-0.0001	07	-63 35 37.70	0.018	07	0.14	14.406	14	46.2	37.77	14	46.2	A5	CO	2202	P -63 984
50		7.5T	29 14.873	-0.0002	09	-66 58 15.53	0.017	08	0.53	14.885	19	91.7	16.60	17	88.6	A0	GC	11675K	P -66 861
51	9.2	7.4W	8 29 40.901	0.0035	06	-62 54 42.92	-0.010	06	0.14	40.888	14	46.2	42.88	14	46.2	MA	CO	2203	P -62 1031
52	9.1	9.5W	30 1.061	0.0003	06	-60 18 38.71	-0.001	06	0.14	1.060	14	46.2	38.71	14	46.2	B9	CO	2205	P*-60 1138
53	9.6	9.4W	30 8.904	0.0014	06	-60 49 52.62	-0.031	06	0.14	8.898	14	46.2	52.51	14	46.2	A0	CO	2206	P -60 1139
54	9.5	8.6W	30 22.579	-0.0065	07	-62 49 10.09	0.024	07	0.14	22.604	14	46.2	10.18	14	46.2	K0	CO	2207	P -62 1035
55		8.2T	30 34.753	-0.0084	11	-66 41 44.44	0.026	10	0.59	35.166	19	01.0	45.81	19	96.7	F0	GC	11711	P -66 867
56	10.1	9.2W	30 41.815	-0.0039	08	-60 18 19.64	-0.017	08	0.14	41.830	14	46.2	19.71	14	46.2	G5	CO	2208	P -60 1140
57		7.5T	30 43.710	0.0012	13	-65 21 8.69	-0.006	11	0.59	43.653	19	03.7	8.38	18	01.5	B9	GC	11715	P -65 959
58		7.3T	30 45.147	-0.0007	09	-62 10 6.23	-0.000	10	0.49	45.181	18	03.7	6.22	15	01.9	B8	GC	11717	P -61 1037
59		8.8	30 49.247	-0.0015	25	-65 31 53.12	-0.049	36	1.40	49.311	45	08.0	51.07	63	08.2		M4	1884	P -65 960
60	10.6	8.8W	30 57.029	0.0023	07	-60 13 10.97	0.010	07	0.14	57.020	14	46.2	11.01	14	46.2	MA	CO	2211	P -59 1056
61	10.2	9.3W	31 3.113	-0.0013	07	-61 0 25.74	-0.007	07	0.14	3.118	14	46.2	25.71	14	46.2	G2	O CO	2212	P -60 1143
62		8.4	31 15.188	-0.0028	25	-64 42 12.59	-0.011	36	1.79	15.344	53	95.2	11.99	63	95.2		M4	1887	P -64 906
63	9.8	8.5W	31 20.837	-0.0014	09	-63 31 46.31	-0.009	09	0.14	20.842	14	46.2	46.27	14	46.2	K2	CO	2213	P -63 988
64		8.4	31 33.821	-0.0005	25	-67 56 37.74	0.002	36	1.71	33.845	53	98.2	37.82	63	98.2		M4	1891	P -67 949
65		8.0	32 20.562	0.0045	25	-68 41 34.96	-0.039	36	1.79	20.315	53	95.3	32.83	63	95.3		M4	1893	P -68 801
66	10.0	9.6W	32 21.418	-0.0001	07	-60 41 7.27	0.010	07	0.14	21.418	14	46.2	7.31	14	46.2	F2	CO	2215	P -60 1145
67	8.8	7.7W	32 31.621	-0.0027	07	-63 40 20.71	0.017	07	0.14	31.632	14	46.2	20.77	14	46.2	K2	CO	2216	P -63 991
68	9.6	8.8W	32 48.990	-0.0011	07	-63 8 35.97	0.003	07	0.14	48.994	14	46.2	35.98	14	46.2	G5	CO	2217	P -62 1043
69	9.4	9.2W	32 55.797	0.0019	06	-60 21 0.78	-0.018	06	0.14	55.790	14	46.2	0.71	14	46.2	F0	CO	2218	P -60 1146
70	8.9	9.1W	33 17.968	0.0009	07	-62 45 7.41	0.017	07	0.14	17.964	14	46.2	7.48	14	46.2	A0	CO	2220	P -62 1046
71	9.5	9.6W	33 24.333	-0.0004	07	-62 30 13.26	0.005	07	0.14	24.334	14	46.2	13.28	14	46.2	A0	CO	2222	P -62 1048
72	8.3	8.5W	33 29.768	-0.0027	07	-61 18 54.16	-0.013	07	0.14	29.778	14	46.2	54.11	14	46.2	A0	CO	2223	P -61 1045
73		8.2	33 42.922	0.0015	25	-69 10 36.19	0.028	36	1.76	42.839	45	95.2	37.73	53	95.2		M4	1898	P -68 807
74	8.7	8.4W	34 13.394	-0.0018	06	-60 13 36.34	0.017	06	0.14	13.400	14	46.2	36.41	14	46.2	F8	CO	2226	P -59 1060
75	9.3	7.6W	34 26.995	-0.0023	06	-63 16 2.71	-0.007	06	0.14	27.004	14	46.2	2.68	14	46.2	K5	CO	2227	P -63 1002
76		9.0	34 34.244	0.0025	25	-67 9 11.85	-0.006	36	1.41	34.140	53	08.3	11.58	63	08.3		M4	1899	P -66 883
77		8.8	34 52.718	0.0025	25	-69 41 47.90	0.001	36	1.64	52.595	53	00.2	51.94	63	00.2		M4	1902	P -69 937
78		8.3	35 3.976	-0.0015	25	-68 16 12.37	-0.075	36	1.70	4.052	53	98.2	8.46	63	98.2		M4	1903	P -68 809
79	9.7	9.8W	35 20.842	0.0005	06	-60 17 17.69	0.003	06	0.14	20.840	14	46.2	17.71	14	46.2	A2	CO	2231	P -60 1150
80		8.1	35 34.656	0.0082	25	-64 29 2.04	-0.017	36	1.44	34.306	53	07.3	1.30	63	07.3		M4	1904	P -64 920
81		8.2T	35 34.856	-0.0023	12	-61 47 16.59	0.010	11	0.55	34.958	18	06.5	17.03	18	05.4	A2	GC	11842	P -61 1050
82		7.8T	35 37.531	0.0003	13	-60 9 8.19	0.001	10	0.55	37.518	18	07.0	8.23	17	03.6	B9	GC	11846	P*-59 1065
83	9.5	9.2W	35 49.373	-0.0004	06	-62 42 36.23	-0.014	06	0.14	49.374	14	46.2	36.18	14	46.2	F2	CO	2235	P -62 1055
84	7.8	8.1W	36 3.177	-0.0045	12	-63 27 7.17	0.002	12	0.15	3.194	14	46.2	7.18	14	46.2	B3	CO	2236	P -63 1012
85		8.5	36 4.904	0.0005	25	-67 4 46.11	0.032	36	1.39	4.884	53	09.1	47.41	63	09.1		M4	1906	P -66 887
86	10.0	9.5W	36 15.293	-0.0048	07	-64 5 9.49	0.022	07	0.14	15.312	14	46.2	9.57	14	46.2	F8	O CO	2237	P -63 1014
87	10.6		36 17.861	0.0053	09	-60 17 51.41	-0.000	09	0.14	17.840	14	46.2	51.41	14	46.2	G	O CO	2238	P -60 1155
88		5.4T	36 25.818	0.0003	07	-62 40 37.47	-0.025	06	0.29	25.804	12	11.2	36.37	12	05.8	G5	GC	11867K	P -62 1058
89	8.7	9.0W	36 44.294	-0.0007	06	-62 21 1.95	0.011	06	0.14	44.296	14	46.2	1.99	14	46.2	B8	CO	2240	P -62 1060
90		6.6T	37 34.163	0.0013	09	-62 39 58.63	-0.006	07	0.49	34.091	19	96.7	58.28	17	91.7	K5	GC	11902	P*-62 1063
91		6.4T	38 9.663	-0.0043	10	-60 8 23.00	0.024	09	0.48	9.871	17	01.7	24.18	15	00.5	A0	GC	11924K	P*-59 1075
92	9.6	9.7W	38 14.047	0.0024	06	-60 34 31.54	-0.010	06	0.14	14.038	14	46.2	31.51	14	46.2	A0	CO	2243	P -60 1160
93	11.0	9.7W	38 21.622	0.0015	09	-61 36 6.89	0.052	09	0.14	21.616	14	46.2	7.09	14	46.2	G5	O CO	2244	P -61 1054
94	9.8	9.4W	38 32.825	0.0028	12	-63 22 24.01	-0.008	12	0.15	32.814	14	46.2	23.98	14	46.2	F5	CO	2245	P -63 1015
95	9.0	8.0W	38 48.808	0.0004	06	-62 20 56.54	-0.012	06	0.14	48.806	14	46.2	56.49	14	46.2	K2	CO	2246	P -62 1066
96		7.0T	38 55.749	-0.0034	11	-69 5 45.63	-0.003	11	0.58	55.914	21	01.0	45.47	19	98.2	B8	GC	11949	P -68 818
97	10.2		39 16.799	-0.0025	09	-61 12 3.23	-0.006	09	0.14	16.808	14	46.2	3.21	14	46.2	A2	CO	2247	P -60 1162
98		8.6	39 32.837	-0.0018	25	-64 39 33.96	-0.020	36	1.41	32.913	53	08.5	33.13	63	08.5		M4	1915	P -64 927
99	8.1	8.2W	39 38.059	-0.0013	06	-63 0 27.20	-0.005	06	0.14	38.064	14	46.2	27.18	14	46.2	A2	CO	2250	P -62 1072
00	10.0	9.6W	39 38.421	-0.0015	07	-62 16 15.10	-0.003	07	0.14	38.426	14	46.2	15.09	14	46.2	A5	O CO	2251	P -62 1071

250300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	-60° 8H DM NUMBER
1	8.2	8.2W	8 39 45.955	-0.0004	07	-61 31 13.11	-0.004	07	0.14	45.956	14	46.2	13.09	14	46.2	A3		CO	2252	P -61 1059
2		8.3	39 58.296	-0.0035	25	-65 29 45.03	-0.028	36	1.59	58.461	53	02.3	43.68	63	02.3			M4	1920	P -65 995
3		7.7T	40 15.899	-0.0040	11	-64 9 19.21	0.019	11	0.57	16.091	21	02.1	20.12	19	01.4	A0		GC	11979	P -63 1023
4		6.9T	40 29.746	-0.0050	11	-66 38 13.41	-0.026	11	0.61	30.005	19	98.3	11.98	19	95.5	B8		GC	11985	P -66 899
5	9.5	9.8W	41 37.210	-0.0001	06	-60 14 3.56	0.013	06	0.14	37.210	14	46.2	3.61	14	46.2	A		CO	2258	P -59 1089
6	9.8	9.3W	42 19.137	-0.0072	12	-63 3 10.15	0.085	12	0.15	19.164	14	46.2	10.48	14	46.2	G0		CO	2260	P -62 1079
7	9.7	9.8W	42 20.494	0.0016	06	-60 35 8.92	-0.003	06	0.14	20.488	14	46.2	8.91	14	46.2	A		CO	2261	P -60 1170
8		7.0T	42 29.360	0.0151	12	-61 30 21.90	-0.070	10	0.51	28.733	18	08.3	18.72	17	04.7	B9		GC	12046	P -61 1067
9	10.3	9.3W	42 31.427	-0.0038	09	-63 34 46.51	-0.036	09	0.14	31.442	14	46.2	46.37	14	46.2	K	O	CO	2263	P -63 1027
10	9.4	9.3W	42 39.264	0.0015	07	-60 32 42.39	0.003	07	0.14	39.258	14	46.2	42.41	14	46.2	A		CO	2264	P -60 1171
11	10.2	9.3W	42 58.021	0.0011	09	-62 27 35.74	-0.012	09	0.14	58.016	14	46.2	35.69	14	46.2	G5	O	CO	2265	P -62 1081
12		8.7	43 0.596	-0.0046	25	-67 40 16.41	-0.050	36	1.70	0.834	53	98.2	13.81	63	98.2			M4	1931	P -67 987
13		8.8	43 1.416	0.0005	25	-68 39 33.50	-0.061	36	1.67	1.393	53	99.3	30.39	63	99.3			M4	1932	P -68 830
14	9.3		43 22.764	-0.0032	13	-61 55 12.94	-0.015	13	0.15	22.776	14	46.2	12.89	14	46.2	A0		CO	2268	P -61 1076
15		6.2T	43 26.348	0.0007	11	-68 1 46.39	0.023	09	0.59	26.310	21	98.0	47.69	19	92.6	K2		GC	12074	P -67 990
16	8.6	8.2W	43 29.062	-0.0117	06	-62 20 28.89	-0.078	06	0.14	29.106	14	46.2	28.59	14	46.2	G5		CO	2269	P -62 1086
17		6.0T	43 48.575	-0.0100	07	-65 38 38.76	-0.096	06	0.31	48.999	12	07.7	43.26	12	03.1	A2		GC	12090	P -65 1013
18	9.1	8.9W	44 5.807	-0.0044	07	-62 50 17.98	0.027	07	0.14	5.824	14	46.2	18.08	14	46.2	A5		CO	2270	P -62 1089
19	9.6	9.4W	44 20.076	0.0014	09	-60 26 7.01	-0.026	09	0.14	20.070	14	46.2	6.91	14	46.2	F2	O	CO	2271	P -60 1184
20	11.2	10.2W	44 38.957	-0.0030	09	-60 42 13.09	-0.022	09	0.14	38.968	14	46.2	13.01	14	46.2	K	O	CO	2272	P -60 1185
21	8.2	8.2W	44 46.288	-0.0062	06	-63 42 46.28	-0.002	06	0.14	46.312	14	46.2	46.27	14	46.2	A2		CO	2273	P -63 1033
22	8.9	9.1W	45 31.593	-0.0029	07	-63 23 23.56	0.007	07	0.14	31.604	14	46.2	23.58	14	46.2	A2		CO	2275	P -63 1035
23	10.4		45 35.308	-0.0016	09	-62 40 50.32	-0.010	09	0.14	35.314	14	46.2	50.28	14	46.2	F5	O	CO	2276	P -62 1094
24	9.6	9.6W	45 46.219	0.0003	06	-61 0 25.25	-0.012	06	0.14	46.218	14	46.2	25.21	14	46.2	A0	O	CO	2277	P*-60 1193
25		7.2T	45 47.926	-0.0076	08	-63 0 23.16	-0.044	09	0.50	48.338	19	95.5	20.82	18	96.8	K0		GC	12150	P -62 1095
26	10.6	9.3W	45 56.867	0.0075	07	-61 0 49.16	-0.039	07	0.14	56.838	14	46.2	49.01	14	46.2	G8	O	CO	2279	P -60 1194
27		9.1	46 1.025	0.0015	25	-69 14 43.41	0.000	36	1.44	0.960	53	07.3	43.41	63	07.3			M4	1941	P -68 839
28	7.5	7.7W	46 17.808	-0.0064	07	-63 37 38.97	0.002	07	0.14	17.832	14	46.2	38.97	14	46.2	A0		CO	2280	P -63 1038
29		8.3	46 25.975	-0.0028	25	-64 45 28.87	-0.057	36	1.79	26.130	53	95.2	25.76	63	95.2			M4	1940	P -64 942
30	9.0	8.0W	47 25.464	-0.0000	07	-63 14 37.19	-0.002	07	0.14	25.464	14	46.2	37.18	14	46.2	K0		CO	2281	P -62 1102
31	8.7	8.8W	47 34.830	-0.0000	07	-60 27 6.33	-0.005	07	0.14	34.830	14	46.2	6.31	14	46.2	A2		CO	2283	P -60 1207
32		7.4T	47 37.329	0.0031	12	-65 14 39.59	-0.003	10	0.57	37.180	21	02.2	39.42	18	00.4	K0		GC	12192K	P*-64 946
33	9.1	9.2W	47 44.184	0.0006	07	-63 41 4.64	-0.019	07	0.14	44.182	14	46.2	4.57	14	46.2	A0		CO	2284	P -63 1043
34		8.5T	47 51.903	-0.0031	15	-68 28 44.44	0.027	17	0.78	52.048	21	02.6	45.68	22	03.3	K2		GC	12197	P -68 845
35		8.2	47 57.618	-0.0005	25	-69 11 9.41	0.026	36	1.79	57.644	53	95.3	10.84	63	95.3			M4	1947	P -68 846
36		10.0T	48 12.626	0.0001	15	-68 35 3.56	0.016	17	0.77	12.620	24	03.6	4.31	24	04.0	A0		GC	12209	P -68 847
37	8.5	8.8W	48 19.654	0.0011	07	-60 26 0.14	-0.009	07	0.14	19.650	14	46.2	0.11	14	46.2	B9		CO	2286	P -60 1212
38		8.1	48 26.606	-0.0048	25	-64 36 36.81	0.036	36	1.79	26.871	53	95.2	38.77	63	95.2			M4	1948	P -64 951
39	7.6	7.5W	48 38.329	0.0059	06	-62 19 13.18	-0.050	06	0.14	38.306	14	46.2	12.99	14	46.2	F2		CO	2287	P -62 1104
40	8.6	8.6W	48 38.724	-0.0012	07	-61 25 23.55	-0.010	07	0.14	38.728	14	46.2	23.51	14	46.2	A0		CO	2288	P -61 1092
41		7.0T	48 43.338	0.0005	09	-62 59 41.34	-0.007	07	0.49	43.310	19	98.3	40.94	17	93.7	K0		GC	12225	P -62 1105
42		9.4T	49 2.545	-0.0083	18	-68 19 59.31	-0.023	22	0.94	2.916	24	05.1	58.27	24	05.6	K2		GC	12230	P -68 850
43	8.6	8.7W	49 24.069	-0.0039	07	-62 33 16.49	0.024	07	0.14	24.084	14	46.2	16.58	14	46.2	A2		CO	2290	P -62 1109
44	9.8		49 44.506	-0.0021	14	-62 56 9.93	-0.014	14	0.15	44.514	14	46.2	9.88	14	46.2	A		CO	2291	P -62 1111
45	9.2	9.2W	49 48.772	-0.0022	06	-60 14 30.55	0.016	06	0.14	48.780	14	46.2	30.61	14	46.2	A		CO	2292	P -59 1154
46		8.0	49 54.581	0.0015	25	-67 8 47.11	-0.047	36	1.79	54.500	53	95.2	44.52	63	95.2			M4	1955	P -66 928
47		5.4T	49 54.627	0.0153	06	-66 36 21.59	0.094	06	0.29	53.968	10	06.9	26.03	10	02.7	F5		GC	12253K	P*-66 927
48		8.1	50 5.159	-0.0008	25	-64 52 7.28	0.009	36	1.44	5.195	53	07.3	7.68	63	07.3			M4	1954	P -64 958
49		7.2T	50 25.168	-0.0237	12	-61 10 33.79	0.154	10	0.55	26.223	18	05.5	41.01	17	03.1	G0		GC	12264	P -60 1224
50	10.1		50 37.812	-0.0038	14	-62 29 3.92	-0.009	14	0.15	37.826	14	46.2	3.89	14	46.2	A		CO	2296	P -62 1114
51	10.1	9.9W	8 50 38.779	-0.0050	07	-61 11 7.78	0.008	07	0.14	38.798	14	46.2	7.81	14	46.2	G0	O	CO	2297	P -60 1225
52		7.7T	50 40.163	-0.0008	13	-61 13 50.07	0.006	11	0.59	40.199	21	05.3	50.35	18	03.1	B9		GC	12266	P -60 1226
53		8.3	50 42.198	-0.0085	25	-66 47 36.93	0.038	36	1.59	42.604	53	02.3	38.73	63	02.3			M4	1961	P -66 931
54		9.0T	50 45.930	-0.0021	15	-68 16 37.04	-0.006	17	0.77	46.025	24	03.7	36.75	24	04.2	K0		GC	12270	P -67 1005
55	9.7	9.9W	50 48.138	-0.0001	06	-60 30 45.55	-0.010	06	0.14	48.138	14	46.2	45.51	14	46.2	F5	O	CO	2299	P -60 1227
56	9.9	9.5W	50 48.736	-0.0048	06	-62 31 1.87	0.029	06	0.14	48.754	14	46.2	1.98	14	46.2	F2		CO	2300	P -62 1115
57	9.3	8.9W	50 58.224	-0.0184	14	-63 29 29.81	-0.007	14	0.15	58.294	14	46.2	29.78	14	46.2	G5		CO	2301	P*-63 1054
58	9.7	9.9W	51 13.111	-0.0009	12	-63 16 45.77	0.002	12	0.15	13.114	14	46.2	45.78	14	46.2	A0		CO	2302	P -62 1118
59		9.0	51 19.783	0.0045	25	-68 51 53.57	-0.443	36	1.79	19.536	53	95.2	29.31	63	95.2			M4	1963	P -68 856
60		10.0Q	51 20.367	0.0058	18	-68 35 40.59	0.017	20	0.89	20.106	24	05.2	41.37	24	04.9			GC	12295	P -68 855
61	9.1	9.1W	51 28.665	-0.0024	07	-63 22 5.91	-0.007	07	0.14	28.674	14	46.2	5.88	14	46.2	A0		CO	2303	P -63 1055
62	7.7	8.0W	51 33.963	-0.0002	06	-62 40 15.65	0.007	06	0.14	33.964	14	46.2	15.68	14	46.2	A0		CO	2304	P -62 1120
63	9.1	7.8W	51 38.721	-0.0034	07	-63 24 57.28	0.000	07	0.14	38.734	14	46.2	57.28	14	46.2	K2		CO	2305	P -63 1056
64		8.2T	51 50.050	-0.0032	15	-68 32 37.65	0.004	17	0.77	50.197	24	03.6	37.84	24	04.7	K5		GC	12306	P -68 859
65	10.1		52 1.174	-0.0038	09	-60 34 12.12	-0.003	09	0.14	1.188	14	46.2	12.11	14	46.2	A2	O	CO	2307	P -60 1234
66		8.4	52 6.645	-0.0085	33	-65 16 45.78	0.014	43	2.31	7.135	75	92.2	46.56	53	92.2			M3	1124	
67	10.0	9.8W	52 7.785	-0.0004	09	-62 15 16.51	-0.007	09	0.14	7.786	14	46.2	16.49	14	46.2	A3		CO	2308	P -61 1106
68		7.6T	52 27.469	-0.0014	14	-69 38 24.71	0.012	11	0.69	27.539	21	00.4	25.35	19	96.8	A0		GC	12320	P -69 976
69		6.0T	52 40.149	-0.0009	09	-60 9 47.55	-0.000	07	0.45	40.191	18	03.6	47.55	17	96.6	B3		GC	12325	P*-59 1174
70		8.5	53 17.100	-0.0466	25	-66 36 42.99	0.063	36	1.46	19.119	53	06.6	45.73	63	06.6			M4	1975	P -66 938
71	9.5	9.5W	53 38.897	-0.0040	12	-63 32 46.64	-0.017	12	0.15	38.912	14	46.2	46.57	14	46.2	A0		CO	2310	P -63 1060
72	8.9	9.1W	53 39.800	0.0004	06	-60 36 10.89	0.003	06	0.14	39.798	14	46.2	10.91	14	46.2	A0		CO	2311	P -60 1240
73	10.1	9.2W	53 52.618	-0.0021	09	-61 51 47.40	-0.030	09	0.14	52.626	14	46.2	47.29	14	46.2	K0		CO	2312	P -61 1114
74		4.0H	53 54.921	-0.0032	03	-60 27 11.05	0.037	03	0.12	55.023	06	17.7	12.23	05	17.9	B8		F4	336	P -60 1243
75	8.8	8.9W	54 9.413	-0.0002	06	-62 42 34.36	0.005	06	0.14	9.414	14	46.2	34.38	14	46.2	A0		CO	2315	P -62 1127
76	10.4	9.5W	54 19.841	-0.0046	09	-60 59 46.02	-0.003	09	0.14	19.858	14	46.2	46.01	14	46.2	G8	O	CO	2316	P -60 1246
77		7.8T	54 27.739	0.0026	12	-61 0 47.03	0.014	09	0.52	27.625	19	05.8	47.69	18	02.7	A0		GC	12372	P -60 1248
78		8.0	54 36.465	0.0054	25	-66 34 49.18	-0.066	36	1.26	36.215	53	03.2	46.09	63	03.2			M4	1978	P -66 942
79		8.5	54 38.018	0.0115	33	-67 4 26.46	-0.015	43	2.28	37.367	75	93.3	25.60	57	93.3			M3	1129	
80	9.1	9.2W	55 2.497	0.0014	12	-63 34 39.86	0.003	12	0.15	2.492	14	46.2	39.87	14	46.2	A2		CO	2320	P -63 1067
81	10.1	9.1W	55 5.703	-0.0009	09	-62 1 39.86	-0.045	09	0.14	5.706	14	46.2	39.69	14	46.2	K0		CO	2321	P -61 1121
82	9.0	7.3W	55 8.246	-0.0011	06	-60 16 44.11	-0.000	06	0.14	8.250	14	46.2	44.11	14	46.2	K5		CO	2322	P -59 1189
83		8.4	55 9.231	0.0015	25	-69 54 28.83	-0.037	36	1.56	9.160	45	02.1	27.06	53	02.1			M4	1980	P -69 982
84		8.7	55 20.816	0.0095	25	-68 48 14.02	-0.022	36	1.42	20.419	53	08.3	13.11	63	08.3			M4	1981	P -68 869
85	9.3	8.2W	55 20.995	0.0024	07	-61 41 5.24	-0.014	07	0.14	20.986	14	46.2	5.19	14	46.2	K2		CO	2324	P -61 1125
86	8.7	8.6W	55 21.556	-0.0020	07	-63 16 14.36	-0.022	07	0.14	21.564	14	46.2	14.28	14	46.2	F0		CO	2325	P -62 1136
87	9.2	9.0W	55 24.522	-0.0015	07	-61 27 10.93	-0.005	07	0.14	24.528	14	46.2	10.91	14	46.2	F5		CO	2326	P -61 1126
88	9.7	8.8W	55 24.846	-0.0010	07	-60 7 47.94	-0.008	07	0.14	24.850	14	46.2	47.91	14	46.2	K2		CO	2327	P -59 1192
89	8.9	9.1W	55 30.704	-0.0011	07	-60 38 56.19	0.004	07	0.14	30.708	14	46.2	56.21	14	46.2	A0		CO	2328	P -60 1257
90		7.3T	55 42.791	-0.0044	13	-62 51 18.53	0.003	11	0.61	42.990	21	04.4	18.67	19	02.3	B9		GC	12402	P -62 1138
91		7.0T	55 43.026	-0.0043	11	-63 21 6.96	0.009	09	0.53	43.237	19	00.4	7.43	18	97.9	F0		GC	12403	P -63 1069
92	7.7	8.1W	56 6.863	0.0012	07	-61 22 9.03	-0.007	07	0.14	6.858	14	46.2	9.01	14	46.2	A0		CO	2332	P -61 1128
93	10.3	9.8W	56 8.206	-0.0063	09	-60 22 50.23	0.020	09	0.14	8.230	14	46.2	50.31	14	46.2	F8	O	CO	2333	P -60 1261
94	8.3	8.5W	56 25.115	-0.0003	07	-63 18 9.21	-0.007	07	0.14	25.114	14	46.2	9.18	14	46.2	B8		CO	2334	P -63 1072
95	9.0	8.8W	56 29.212	-0.0006	07	-62 42 10.64	0.012	07	0.14	29.214	14	46.2	10.68	14	46.2	A3		CO	2335	P -62 1141
96		7.2T	56 35.505	-0.0099	12	-66 0 37.29	0.036	11	0.58	35.974	19	02.7	39.08	19	00.1	K0		GC	12419K	P -65 1056
97		10.1T	56 36.612	-0.0084	14	-66 0 47.19	0.006	16	0.74	37.012	21	02.4	47.46	22	03.5			GC	12420K	P -65 1056
98	9.2	8.8W	56 37.424	0.0016	08	-61 4 28.25	-0.011	08	0.14	37.418	14	46.2	28.21	14	46.2	G0		CO	2336	P -60 1266
99	9.0	8.9W	56 39.315	-0.0019	06	-63 43 51.98	-0.001	06	0.14	39.322	14	46.2	51.97	14	46.2	F0		CO	2337	P -63 1074
00	8.8	8.8W	56 44.521	-0.0053	12	-63 30 33.11	-0.036	12	0.15	44.542	14	46.2	32.97	14	46.2	F0		CO	2338	P -63 1075

250400

EPOCH 1950

ORIGINAL EPOCH

SOURCE

-60° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT	STAR NUMBER	DM NUMBER
1		8.0T	8 56 57.028	-0.0048	12	-69 26 51.58	-0.013	11	0.63	57.271	21	99.0	52.28	19	96.8	A2	GC	12426	P -69 990
2	9.4	9.1W	57 1.550	-0.0006	07	-61 7 16.32	-0.003	07	0.14	1.498	14	46.2	16.31	14	46.2	F5	CO	2339	P -60 1275
3	9.7	9.5W	57 24.890	-0.0016	07	-62 3 48.58	0.002	07	0.14	24.896	14	46.2	48.59	14	46.2	A3	CO	2340	P -61 1139
4		8.6	57 45.793	-0.0035	25	-66 28 22.58	-0.037	36	1.77	45.984	53	95.3	20.55	53	95.3		M4	1996	P -66 951
5	10.3	9.6W	57 41.451	-0.0045	09	-61 3 32.19	-0.022	09	0.14	41.468	14	46.2	32.11	14	46.2	G5	CO	2341	P -60 1273
6		8.8	57 51.376	0.0002	25	-64 32 30.61	0.003	36	1.79	51.367	53	95.2	30.76	63	95.2		M4	1997	P -64 979
7		7.0T	57 51.809	0.0004	11	-64 20 6.86	-0.012	10	0.62	51.788	21	96.9	6.17	19	93.6	K0	GC	12443	P -64 978
8	9.3	9.1W	57 57.973	-0.0040	06	-61 7 25.81	0.062	06	0.14	57.988	14	46.2	26.01	14	46.2	G5	CO	2342	P -60 1277
9	9.1	9.2W	57 59.804	-0.0006	07	-62 2 12.84	-0.014	07	0.14	59.806	14	46.2	12.79	14	46.2	A0	CO	2343	P -61 1142
10	9.6	9.4W	58 7.703	-0.0050	07	-63 45 11.07	0.001	07	0.14	7.722	14	46.2	11.07	14	46.2	F0	CO	2344	P -63 1078
11	9.0	8.6W	58 11.472	-0.0037	06	-61 40 26.86	-0.020	06	0.14	11.486	14	46.2	26.79	14	46.2	G5	CO	2345	P -61 1146
12		6.9T	58 20.075	-0.0004	12	-67 56 36.70	0.013	11	0.61	20.093	19	99.9	37.39	19	95.5	B9	GC	12455	P -67 1018
13		7.1T	58 21.913	-0.0027	12	-63 16 16.73	0.001	10	0.55	22.035	19	03.9	16.78	18	99.4	A0	GC	12458	P -62 1145
14	8.1	8.3W	59 5.953	-0.0004	07	-62 47 52.09	-0.003	07	0.14	5.954	14	46.2	52.08	14	46.2	B8	CO	2349	P -62 1148
15	10.0	9.4W	59 13.263	-0.0041	07	-60 46 42.68	0.008	07	0.14	13.278	14	46.2	42.71	14	46.2	G4	CO	2350	P -60 1280
16		7.4T	59 18.197	-0.0051	10	-67 53 47.47	0.017	11	0.60	18.473	21	95.6	48.38	19	95.1	B9	GC	12486	P -67 1021
17		5.8T	59 36.767	-0.0007	09	-60 46 0.95	-0.002	05	0.32	36.794	12	12.6	0.86	12	04.7	K0	GC	12494	P -60 1283
18	9.5	9.1W	9 0 0.257	-0.0064	07	-60 7 2.29	0.058	07	0.14	0.280	14	46.3	2.51	14	46.3	G0	CO	2355	P -59 1227
19	8.5	8.9W	0 3.755	-0.0010	05	-60 41 27.71	-0.001	05	0.14	3.758	14	46.3	27.71	14	46.3	A0	CO	2356	P -60 1287
20	9.8	9.8W	0 9.343	-0.0010	06	-61 53 57.63	-0.012	06	0.14	9.346	14	46.3	57.59	14	46.3	F0	CO	2357	P -61 1158
21		5.8T	0 34.697	0.0029	10	-68 29 10.28	0.001	08	0.38	34.582	14	10.9	10.30	12	06.5	K5	GC	12510	P -68 879
22		4.2H	1 39.796	0.0007	03	-66 11 46.16	-0.102	02	0.12	39.767	05	11.6	42.20	05	11.1	A5	F4	343	P -65 1065
23	8.2	8.5W	1 54.618	-0.0038	12	-63 30 51.76	0.003	12	0.15	54.632	14	46.3	51.77	14	46.3	B8	CO	2360	P -63 1084
24	10.0	8.8W	2 5.987	-0.0010	08	-60 28 21.45	0.015	08	0.14	5.990	14	46.3	21.51	14	46.3	K0	CO	2362	P -60 1297
25		7.5T	2 7.139	-0.0058	10	-62 9 12.16	0.049	08	0.46	7.410	18	03.5	14.63	17	99.4	F0	GC	12542K	P -61 1167
26	9.7	9.7W	2 25.395	-0.0015	07	-60 14 19.06	-0.013	07	0.14	25.400	14	46.3	19.01	14	46.3	A8	CO	2365	P -59 1244
27	8.7	8.5W	2 52.362	0.0010	06	-60 49 13.96	-0.014	06	0.14	52.358	14	46.3	13.91	14	46.3	F8	CO	2367	P -60 1304
28		7.3T	2 53.830	-0.0039	13	-64 29 8.73	-0.007	10	0.58	54.008	19	04.3	8.39	18	03.3	B9	GC	12552K	P*-64 993
29		8.0T	3 6.766	-0.0035	12	-60 21 57.75	0.031	10	0.53	6.926	19	04.3	59.19	18	03.4	K2	GC	12559	P -60 1305
30		8.3T	3 12.926	-0.0032	11	-67 25 17.82	0.016	12	0.63	13.092	19	98.2	18.64	19	97.9	F2	GC	12563	P -67 1030
31		8.8	3 27.673	-0.0006	25	-69 2 3.79	-0.061	36	1.79	27.698	53	95.3	0.46	63	95.3		M4	2004	P -68 886
32	9.6	9.7W	3 54.903	-0.0057	12	-63 14 1.94	0.012	12	0.15	54.924	14	46.3	1.98	14	46.3	A0	CO	2369	P -62 1163
33	10.3		3 55.344	-0.0011	11	-60 37 48.90	0.004	11	0.15	55.348	14	46.3	48.91	14	46.3	A0	CO	2370	P -60 1307
34	9.8	9.6W	4 1.083	-0.0029	07	-62 34 55.18	0.027	07	0.14	1.094	14	46.3	55.28	14	46.3	F2	CO	2371	P -62 1164
35	8.9	7.5W	4 4.485	-0.0017	06	-64 5 18.70	-0.008	06	0.14	4.491	14	46.3	18.67	14	46.3	K0	CO	2372	P -63 1088
36		7.5T	4 11.204	0.0078	12	-61 37 34.63	0.041	09	0.53	10.852	19	04.6	36.64	17	00.9	K5	GC	12579	P -61 1172
37		8.9	4 30.071	-0.0085	25	-69 23 47.32	0.001	36	1.57	30.479	45	01.8	47.38	53	01.8		M4	2011	P -69 1005
38	7.9	8.2W	4 32.256	-0.0002	06	-61 54 8.45	-0.003	06	0.14	32.256	14	46.3	8.39	14	46.3	B8	CO	2375	P -61 1174
39		8.0	4 41.734	-0.0155	25	-67 54 36.70	-0.020	36	1.64	42.519	45	99.3	35.66	53	99.3		M4	2013	P -67 1034
40		8.9	4 47.594	-0.0105	25	-66 24 46.44	0.056	36	1.68	48.127	53	99.2	49.28	63	99.2		M4	2012	P -66 973
41		6.4T	5 9.906	0.0034	11	-64 17 54.41	0.026	08	0.50	9.740	21	01.3	55.73	18	98.9	K0	GC	12601	P -63 1093
42		8.4T	5 22.134	-0.0031	10	-69 22 24.81	0.006	08	0.54	22.295	19	97.6	25.17	18	91.3	B9	GC	12606	P -69 1009
43		7.4T	5 37.776	-0.0004	13	-60 3 34.34	-0.014	10	0.53	37.793	18	07.7	33.70	17	04.6	B9	GC	12615	P -59 1272
44		7.3T	5 40.689	-0.0021	11	-62 38 51.26	0.012	10	0.53	40.790	21	01.3	51.86	18	00.0	B9	GC	12612	P -62 1168
45	9.3	8.7W	5 57.927	-0.0052	06	-61 33 44.65	0.039	06	0.14	57.946	14	46.3	44.79	14	46.3	G5	CO	2378	P -61 1162
46			6 3.747	-0.0025	25	-65 57 16.02	-0.053	36	1.68	3.875	53	99.2	13.33	63	99.2		M4	2018V	P*-65 1079
47		9.4T	6 16.508	0.0052	12	-68 17 13.44	0.028	12	0.65	16.248	22	00.4	14.86	21	98.5	A0	GC	12627	P -67 1038
48		8.8T	6 18.157	-0.0018	14	-62 47 39.43	-0.011	15	0.74	18.242	22	01.9	38.90	22	01.8	K0	GC	12628	P -62 1171
49	9.0	9.0W	6 33.436	-0.0086	06	-60 58 25.29	0.004	06	0.14	33.468	14	46.3	25.31	14	46.3	F0	CO	2380	P -60 1318
50		9.2T	6 39.040	0.0026	17	-62 41 30.27	-0.020	15	0.71	38.927	22	07.3	29.42	21	07.5	A2	GC	12639	P -62 1173
51	9.7	10.0W	9 6 48.038	-0.0011	12	-63 43 48.82	0.015	12	0.15	48.042	14	46.3	48.87	14	46.3	A0	CO	2382	P -63 1095
52	9.4	9.4W	6 53.900	-0.0000	06	-60 1 36.72	-0.004	06	0.14	53.900	14	46.3	36.71	14	46.3	F0	CO	2384	P -59 1279
53	9.6	9.7W	6 54.706	-0.0006	07	-60 58 25.87	-0.017	07	0.14	54.708	14	46.3	28.81	14	46.3	A0	CO	2385	P -60 1321
54	8.2	8.5W	6 55.646	-0.0005	06	-60 32 43.12	-0.003	06	0.14	55.648	14	46.3	43.11	14	46.3	A0	CO	2386	P -60 1320
55		7.5T	7 2.952	-0.0019	11	-68 33 6.80	-0.001	10	0.61	3.029	19	98.4	6.75	18	94.7	B5	GC	12647	P -68 896
56	9.3	9.2W	7 21.265	-0.0014	06	-60 7 46.27	0.012	06	0.14	21.270	14	46.3	46.31	14	46.3	F5	CO	2387	P -59 1286
57		9.2T	7 22.704	-0.0045	12	-68 19 27.79	0.024	12	0.65	22.925	22	00.4	29.05	21	98.5	F2	GC	12653	P -68 897
58	10.0		7 31.786	0.0048	07	-60 59 59.21	-0.026	07	0.14	31.768	14	46.3	59.11	14	46.3	A0	CO	2388	P -60 1325
59	10.1	9.9W	7 58.578	0.0028	13	-61 12 50.08	-0.018	13	0.15	58.568	14	46.3	50.01	14	46.3	A0	CO	2389	P -60 1328
60	8.8	8.7W	7 58.956	0.0026	06	-61 43 54.47	-0.023	06	0.14	58.946	14	46.3	54.39	14	46.3	A0	CO	2390	P -61 1191
61	9.9	9.9W	8 0.040	-0.0022	07	-61 1 22.14	-0.007	07	0.14	0.048	14	46.3	22.11	14	46.3	A2	CO	2391	P -60 1329
62	8.9	8.0W	8 31.620	-0.0028	06	-60 17 42.71	0.082	06	0.14	31.630	14	46.3	43.01	14	46.3	K2	CO	2392	P -59 1296
63	9.7	9.5W	8 41.462	0.0001	12	-63 36 1.14	0.036	12	0.15	41.462	14	46.3	1.27	14	46.3	A2	CO	2393	P -63 1100
64	9.4	9.4W	8 42.575	-0.0032	07	-62 4 53.09	-0.001	07	0.14	42.586	14	46.3	53.09	14	46.3	F0	CO	2394	P -61 1197
65	9.4	8.2W	8 56.957	0.0019	07	-60 28 18.05	-0.011	07	0.14	56.959	14	46.3	18.01	14	46.3	K2	CO	2395	P -60 1334
66		7.5T	9 12.921	-0.0052	13	-65 17 7.26	0.060	10	0.59	13.163	21	03.3	10.21	18	00.4	F2	GC	12686	P -64 1008
67	9.7	10.0W	9 16.663	-0.0042	13	-61 16 57.50	0.002	13	0.15	16.678	14	46.3	57.51	14	46.3	A0	CO	2396	P -60 1335
68	10.0	9.7W	9 29.895	0.0019	13	-61 7 47.89	0.006	13	0.15	29.888	14	46.3	47.91	14	46.3	F0	CO	2397	P -60 1336
69	9.7	9.9W	9 47.174	0.0017	06	-60 36 38.63	-0.004	06	0.14	47.168	14	46.3	38.61	14	46.3	A2	CO	2399	P -60 1338
70		7.3T	9 50.923	-0.0031	10	-60 44 52.69	-0.005	09	0.49	51.071	18	03.0	52.44	17	00.7	A2	GC	12700	P -60 1339
71		4.2T	10 8.631	-0.0059	05	-62 6 40.95	0.006	04	0.27	8.913	12	02.6	41.27	10	96.8	B3	GC	12707	P*-61 1201
72	9.7	9.3W	10 12.248	-0.0016	07	-62 44 23.29	-0.003	07	0.14	12.254	14	46.3	23.28	14	46.3	F5	CO	2402	P -62 1188
73		8.8	10 13.739	0.0014	25	-66 39 25.23	-0.050	36	1.78	13.660	45	95.3	22.50	63	95.3		M4	2034	P -66 983
74	9.6	9.7W	10 25.233	-0.0079	12	-63 39 29.54	0.063	12	0.15	25.262	14	46.3	29.77	14	46.3	A0	CO	2403	P -63 1103
75		8.9	10 32.006	-0.0016	25	-69 30 47.02	0.027	36	1.59	32.082	45	01.0	48.35	53	01.0		M4	2036	P -69 1019
76	7.6	7.6W	10 38.724	-0.0017	07	-60 5 46.79	0.004	07	0.14	38.730	14	46.3	46.81	14	46.3	A0	CO	2404	P -59 1307
77		7.3T	10 44.997	-0.0140	10	-69 2 51.98	0.085	10	0.60	45.758	21	95.5	56.90	18	92.1	F2	GC	12721	P -68 904
78		8.2	10 53.579	-0.0008	25	-64 59 9.32	0.010	36	1.44	53.615	53	07.2	9.76	63	07.2		M4	2035	P -64 1011
79	9.5	10.0W	11 2.267	-0.0003	07	-60 37 19.64	-0.007	07	0.14	2.268	14	46.3	19.61	14	46.3	B9	CO	2405	P -60 1347
80		7.6T	11 11.438	-0.0067	12	-68 59 48.00	0.005	11	0.61	11.765	19	01.0	48.27	19	96.7	F5	GC	12730	P -68 906
81		7.4T	11 12.446	-0.0025	11	-67 30 55.33	0.002	11	0.63	12.575	21	97.8	55.47	18	94.7	F0	GC	12731	P -67 1047
82	8.1	8.4W	11 16.225	-0.0025	07	-62 42 33.24	0.010	07	0.14	16.234	14	46.3	33.28	14	46.3	A0	CO	2406	P -62 1192
83	8.2	8.7W	11 24.165	-0.0008	06	-60 52 56.43	-0.004	06	0.14	24.168	14	46.3	56.41	14	46.3	A0	CO	2407	P -60 1351
84	8.5	8.7W	11 36.781	0.0007	06	-60 52 52.54	-0.007	06	0.14	36.778	14	46.3	52.51	14	46.3	A2	CO	2408	P -60 1354
85		6.5T	11 37.013	-0.0024	10	-60 42 35.21	0.026	08	0.49	37.132	18	01.1	36.60	17	96.1	A0	GC	12739K	P*-60 1353
86		7.8	11 45.443	-0.0015	25	-65 31 17.97	-0.051	36	1.79	45.526	53	95.2	15.16	63	95.2		M4	2042	P -65 1091
87	9.1	9.3W	11 50.340	-0.0001	07	-60 27 38.28	-0.018	07	0.14	50.340	14	46.3	38.21	14	46.3	A0	CO	2410	P -60 1358
88	9.2	9.6W	12 1.152	-0.0011	12	-62 27 10.02	0.018	12	0.15	1.156	14	46.3	10.09	14	46.3	A0	CO	2411	P -62 1194
89	9.4	9.2W	12 3.895	-0.0031	09	-62 12 53.59	0.026	09	0.14	3.906	14	46.3	53.69	14	46.3	F8	CO	2412	P -61 1208
90	9.5	9.9W	12 4.292	-0.0040	13	-61 42 45.32	-0.009	13	0.15	4.306	14	46.3	45.29	14	46.3	B9	CO	2413	P -61 1207
91	8.2	8.5W	12 24.921	0.0008	06	-61 1 1.94	-0.007	06	0.14	24.918	14	46.3	1.91	14	46.3	A0	CO	2415	P -60 1361
92	9.2	9.5W	12 25.636	-0.0006	13	-61 28 23.52	-0.003	13	0.15	25.638	14	46.3	23.51	14	46.3	A0	CO	2416	P -61 1211
93	9.1	8.1W	12 28.150	-0.0030	06	-63 59 25.52	0.015	06	0.14	28.162	14	46.3	25.57	14	46.3	K0	CO	2417	P -63 1106
94		7.4T	12 38.976	-0.0024	13	-61 4 18.65	0.012	11	0.60	39.086	19	04.3	19.25	18	99.3	B8	GC	12763	P -60 1366
95		1.8H	12 39.662	-0.0288	02	-69 30 39.63	0.102	02	0.09	40.965	05	04.8	44.07	04	06.6	A0	F4	348	P -69 1023
96		7.5T	12 51.544	-0.0011	13	-60 19 38.03	-0.022	11	0.60	51.594	21	04.4	36.93	19	00.3	B9	GC	12768	P -60 1367
97	9.4	7.9W	12 52.624	0.0015	06	-60 42 8.14	-0.008	06	0.14	52.618	14	46.3	8.11	14	46.3	K5	CO	2421	P -60 1369
98	9.6	9.2W	12 56.892	-0.0053	12	-64 10 1.31	0.017	12	0.15	56.911	14	46.3	1.37	14	46.3	G0	CO	2422	P -63 1109
99	9.2	9.0W	12 57.698	0.0017	07	-63 59 20.09	-0.032	07	0.14	57.692	14	46.3	19.97	14	46.3	G0	CO	2423	P -63 1108
00	9.3	9.5W	13 0.168	0.0004	13	-61 54 16.05	0.011	13	0.15	0.166	14	46.3	16.09	14	46.3	A0	CO	2424	P -61 1212

250500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 9H DM NUMBER
1	8.5	7.9W	9 13 6.862	-0.0169	07	-63 29 10.27	0.083	07	0.14	6.924	14	46.3	10.58	14	46.3	G5	CD	2425	P -63 1110
2	9.3	9.4W	13 9.715	0.0003	15	-62 31 23.60	0.022	15	0.15	9.714	14	46.3	23.68	14	46.3	A0	CD	2426	P -62 1200
3	9.3	9.4W	13 20.882	-0.0022	07	-60 10 35.85	0.017	07	0.14	20.890	14	46.3	35.91	14	46.3	A0	CD	2428	P -59 1322
4	8.8	8.9W	13 22.305	0.0018	07	-61 17 53.66	0.013	07	0.14	22.298	14	46.3	53.71	14	46.3	A0	CD	2429	P -60 1372
5		7.1T	13 24.005	-0.0046	11	-64 50 44.50	0.000	09	0.52	24.229	18	01.8	44.51	18	99.0	K0	GC	12781	P -64 1017
6	10.0	10.0W	13 28.111	-0.0008	14	-62 57 57.58	0.000	14	0.15	28.114	14	46.3	57.58	14	46.3	A3	CD	2430	P -62 1202
7		7.9	13 28.920	-0.0015	25	-68 42 34.56	-0.042	36	1.41	28.982	53	08.3	32.82	63	08.3		M4	2050	P -68 910
8		8.5	13 32.539	-0.0035	25	-65 39 56.83	-0.023	36	1.55	32.702	53	03.6	55.75	63	03.6		M4	2049	P -65 1095
9	8.1	8.3W	13 34.674	-0.0020	07	-63 56 41.98	-0.001	07	0.14	34.682	14	46.3	41.97	14	46.3	B9	CD	2432	P -63 1112
10	9.4	9.6W	14 11.895	-0.0010	13	-61 23 44.25	-0.011	13	0.15	11.898	14	46.3	44.21	14	46.3	A0	CD	2433	P -61 1219
11	9.9		14 31.014	-0.0001	12	-63 1 13.15	0.007	12	0.15	31.014	14	46.3	13.18	14	46.3	A0	CD	2434	P -62 1205
12		8.9	14 35.833	0.0024	25	-66 31 46.91	-0.081	36	1.68	35.709	53	99.3	42.81	63	99.3		M4	2054	P -66 997
13	10.2	9.2W	14 56.501	-0.0020	06	-60 57 12.32	-0.001	06	0.14	56.508	14	46.3	12.31	14	46.3	K0	CD	2436	P -60 1378
14	9.3	9.6W	15 2.664	-0.0053	13	-62 40 9.32	0.015	13	0.15	2.684	14	46.3	9.38	14	46.3	B8	CD	2437	P -62 1209
15	10.1	8.7W	15 6.626	-0.0007	06	-60 57 59.43	-0.006	06	0.14	6.628	14	46.3	59.41	14	46.3	K2	CD	2438	P -60 1379
16	9.0	9.1W	15 26.335	-0.0030	07	-62 28 6.82	0.019	07	0.14	26.346	14	46.3	6.89	14	46.3	A2	CD	2439	P -62 1212
17		8.7	15 31.945	0.0015	25	-69 26 1.25	-0.007	36	1.56	31.874	53	03.2	0.93	63	03.2		M4	2056	P -69 1030
18		8.7	15 44.543	0.0065	25	-66 55 17.27	-0.028	36	1.79	44.189	53	95.3	15.73	63	95.3		M4	2055	P -66 999
19	8.6	8.9W	15 46.000	-0.0016	06	-62 13 45.39	-0.002	06	0.14	46.006	14	46.3	45.39	14	46.3	B9	CD	2440	P -61 1224
20	9.0	9.1W	15 49.970	-0.0016	07	-62 6 45.22	-0.009	07	0.14	49.976	14	46.3	45.19	14	46.3	A0	CD	2441	P -61 1225
21		7.9T	15 50.436	-0.0004	12	-63 33 53.42	-0.000	09	0.54	50.454	21	03.3	53.40	18	98.4	B9	GC	12834	P -63 1114
22	9.3	9.5W	15 57.364	-0.0034	06	-62 13 45.05	0.011	06	0.14	57.366	14	46.3	45.09	14	46.3	A0	CD	2443	P -61 1226
23	8.4	8.5W	16 9.402	-0.0033	07	-62 42 21.33	-0.014	07	0.14	9.414	14	46.3	21.28	14	46.3	A3	CD	2444	P -62 1214
24		6.7T	16 25.528	0.0072	11	-67 27 55.85	-0.000	11	0.60	25.156	18	98.3	55.83	17	95.1	K0	GC	12843	P -67 1061
25	8.5	8.4W	16 27.295	-0.0051	07	-63 10 37.28	0.029	07	0.14	27.314	14	46.3	37.38	14	46.3	F0	CD	2445	P -62 1215
26		5.4T	16 35.716	-0.0190	08	-68 28 41.62	-0.025	07	0.32	36.467	10	10.6	40.52	12	07.0	F2	GC	12848K	P*-68 918
27	8.8	9.1W	16 46.197	0.0002	07	-61 36 56.78	0.001	07	0.14	46.196	14	46.3	56.79	14	46.3	A0	CD	2446	P -61 1229
28	9.7	8.4W	16 56.345	-0.0009	07	-61 28 3.04	-0.009	07	0.14	56.348	14	46.3	3.01	14	46.3	K2	CD	2447	P -61 1231
29		5.9T	17 0.324	-0.0000	09	-66 50 23.23	0.010	07	0.33	0.324	14	13.5	23.63	14	08.8	K0	GC	12857	P -66 1002
30	10.0	8.7W	17 4.967	-0.0004	07	-61 4 39.83	0.023	07	0.14	4.968	14	46.3	39.91	14	46.3	K5	CD	2448	P -60 1384
31	9.5	8.5W	17 14.667	-0.0004	06	-60 50 22.58	0.009	06	0.14	14.668	14	46.3	22.61	14	46.3	K2	CD	2449	P -60 1386
32	9.6	9.9W	17 19.426	-0.0077	12	-62 44 43.70	0.020	12	0.15	19.454	14	46.3	43.78	14	46.3	A0	CD	2450	P -62 1217
33	8.9	8.8W	17 26.811	-0.0018	06	-60 45 58.67	0.010	06	0.14	26.818	14	46.3	58.71	14	46.3	F0	CD	2451	P -60 1387
34	10.1	10.1W	17 31.858	-0.0022	13	-61 42 40.84	-0.014	13	0.15	31.866	14	46.3	40.79	14	46.3	B9	CD	2452	P -61 1235
35	8.2	8.5W	18 10.562	-0.0005	07	-62 31 13.95	0.007	07	0.14	10.564	14	46.3	13.98	14	46.3	A0	CD	2454	P -62 1219
36	9.1	8.6W	18 11.197	-0.0243	07	-61 31 33.47	0.060	07	0.14	11.286	14	46.3	33.69	14	46.3	G0	CD	2455	P -61 1238
37		7.5T	18 38.856	0.0019	13	-67 13 6.86	-0.021	12	0.68	38.763	22	01.0	5.74	21	97.2	K5	GC	12904	P -66 1005
38	8.3	8.1W	18 54.041	-0.0026	07	-60 16 26.05	0.016	07	0.14	54.050	14	46.3	26.11	14	46.3	F5	CD	2456	P -59 1353
39	10.0	9.0W	18 58.460	-0.0001	06	-60 20 15.09	0.006	06	0.14	58.460	14	46.3	15.11	14	46.3	K5	CD	2457	P -60 1391
40		6.9T	19 18.669	-0.0009	13	-61 46 47.91	-0.004	10	0.59	18.711	21	05.2	47.71	19	00.7	B5	GC	12919	P -61 1241
41	9.9	8.3W	19 22.934	-0.0017	07	-60 10 14.87	0.011	07	0.14	22.940	14	46.3	14.91	14	46.3	K5	CD	2459	P -59 1356
42		8.2	19 34.819	0.0005	33	-66 16 30.18	0.052	43	2.32	34.791	75	92.2	33.18	57	92.2		M3	1183	
43	9.5	9.1W	19 41.518	0.0028	07	-60 38 31.28	0.008	07	0.14	41.508	14	46.3	31.31	14	46.3	G5	CD	2460	P -60 1393
44		4.9T	19 44.969	0.0010	09	-62 11 27.88	-0.008	05	0.32	44.932	12	11.8	27.52	12	05.2	K0	GC	12923	P*-61 1242
45	8.5	8.9W	19 45.730	-0.0023	07	-60 48 21.62	-0.031	07	0.14	45.738	14	46.3	21.51	14	46.3	A0	CD	2462	P -60 1394
46		8.2T	19 53.404	-0.0020	12	-68 8 44.92	-0.018	12	0.65	53.505	21	98.6	43.97	21	98.1	K0	GC	12924	P -67 1070
47	8.3	8.4W	19 56.683	-0.0019	06	-60 20 38.47	0.009	06	0.14	56.690	14	46.3	38.51	14	46.3	A0	CD	2463	P -60 1398
48	9.4	9.8W	19 59.389	0.0008	07	-61 44 24.38	0.003	07	0.14	59.386	14	46.3	24.39	14	46.3	A0	CD	2464	P -61 1244
49	9.9	9.5W	20 7.483	-0.0035	07	-61 49 26.41	-0.032	07	0.14	7.496	14	46.3	26.29	14	46.3	F5	CD	2465	P -61 1246
50	9.5	9.7W	20 16.177	-0.0020	07	-62 48 4.31	-0.008	07	0.14	16.184	14	46.3	4.28	14	46.3	A0	CD	2466	P -62 1223
51		7.4T	9 20 16.918	-0.0022	14	-60 36 59.59	-0.009	11	0.62	17.017	21	05.4	59.14	19	00.9	A0	GC	12932K	P*-60 1402
52	9.6	9.9W	20 22.353	0.0017	09	-61 32 14.91	0.022	09	0.14	22.346	14	46.3	14.99	14	46.3	B9	CD	2468	P -61 1249
53	9.4	8.3W	20 40.868	0.0011	07	-62 51 36.36	-0.020	07	0.14	40.864	14	46.3	36.28	14	46.3	K0	CD	2470	P -62 1224
54	9.5	9.4W	20 43.280	-0.0039	12	-63 25 31.39	-0.029	12	0.15	43.294	14	46.3	31.28	14	46.3	A2	CD	2471	P -63 1119
55	9.1	9.0W	20 43.462	0.0009	11	-60 41 51.93	-0.004	11	0.15	43.458	14	46.3	51.91	14	46.3	A3	CD	2472	P -60 1404
56	9.8	8.9W	20 59.068	0.0022	09	-60 14 47.69	-0.022	09	0.14	59.060	14	46.3	47.61	14	46.3	K0	CD	2473	P -59 1368
57	9.1	9.4W	21 1.251	0.0012	13	-61 35 31.20	-0.004	13	0.15	1.246	14	46.3	31.19	14	46.3	A0	CD	2474	P -61 1256
58	8.9	8.7W	21 33.511	0.0036	07	-60 52 40.09	-0.023	07	0.14	33.498	14	46.3	40.01	14	46.3	F5	CD	2478	P -60 1409
59	9.7	8.6W	21 46.583	0.0017	09	-62 1 49.11	-0.034	09	0.14	46.576	14	46.3	48.99	14	46.3	G5	CD	2479	P -61 1262
60		8.4	22 6.210	0.0015	25	-69 0 21.49	-0.040	36	1.79	6.127	53	95.3	19.31	63	95.3		M4	2081	P -68 934
61		6.3T	22 7.595	-0.0006	12	-60 5 13.32	-0.006	10	0.56	7.623	18	03.9	13.02	17	00.4	K0	GC	12981	P -59 1374
62	9.0	9.0W	22 48.494	-0.0038	09	-60 57 1.14	-0.008	09	0.14	48.508	14	46.3	1.11	14	46.3	A3	CD	2483	P -60 1412
63		5.1T	22 49.657	0.0024	09	-61 25 56.07	-0.053	07	0.42	49.551	15	05.1	53.33	14	98.3	G5	GC	12991	P -61 1265
64		8.8	23 10.644	-0.0045	25	-66 28 27.47	-0.007	36	1.61	10.868	45	00.4	27.12	53	00.4		M4	2083	P -66 1014
65	9.0	8.5W	23 13.434	0.0088	07	-63 30 3.89	-0.113	07	0.14	13.402	14	46.3	3.47	14	46.3	G0	CD	2485	P -63 1122
66	9.2	9.6W	23 17.862	0.0015	13	-61 37 37.00	-0.030	13	0.15	17.856	14	46.3	36.89	14	46.3	A0	CD	2486	P -61 1266
67	9.7	9.9W	23 18.632	-0.0011	09	-62 14 25.18	0.003	09	0.14	18.636	14	46.3	25.19	14	46.3	A0	CD	2487	P -61 1267
68	9.7	9.0W	23 23.471	0.0224	08	-60 42 15.45	-0.147	08	0.14	23.388	14	46.3	14.91	14	46.3	G5	CD	2489	P -60 1416
69	8.4	8.7W	23 42.064	-0.0012	07	-61 7 47.85	-0.010	07	0.14	42.068	14	46.3	47.81	14	46.3	B9	CD	2490	P -60 1422
70		7.2T	23 51.196	-0.0002	12	-64 29 31.13	0.023	10	0.57	51.205	21	02.1	32.23	18	01.6	A2	GC	13012	P -64 1032
71	9.3	9.5W	23 56.460	-0.0049	06	-60 49 52.09	0.005	06	0.14	56.478	14	46.3	52.11	14	46.3	A0	CD	2491	P -60 1424
72		6.6T	23 59.129	-0.0056	13	-69 51 33.36	-0.019	12	0.66	59.399	21	01.8	32.37	19	97.6	K0	GC	13015	P*-69 1056
73			24 7.021	-0.0076	25	-67 42 23.96	0.083	36	1.65	7.413	36	98.2	28.24	45	98.2		M4	20879V	P*-67 1080
74	10.0	9.6W	24 9.255	-0.0008	08	-60 34 0.93	0.048	08	0.14	9.258	14	46.3	1.11	14	46.3	G0	CD	2492	P -60 1425
75		6.0T	24 12.510	-0.0180	13	-61 44 2.72	0.058	06	0.52	13.313	19	05.5	6.04	17	92.7	A2	GC	13021K	P*-61 1271
76		6.8T	24 13.655	-0.0007	10	-65 3 14.03	0.037	09	0.51	13.689	18	00.4	15.93	17	98.0	F0	GC	13022	P -64 1034
77	9.1	8.7W	24 36.469	-0.0080	06	-61 16 48.41	-0.001	06	0.14	36.498	14	46.3	48.41	14	46.3	G5	CD	2494	P -60 1427
78	8.5	8.4W	24 52.851	-0.0029	06	-63 31 14.18	-0.002	06	0.14	52.862	14	46.3	14.17	14	46.3	A3	CD	2495	P*-63 1124
79	9.6	9.2W	25 19.051	0.0003	06	-60 27 31.80	0.003	06	0.14	19.050	14	46.3	31.81	14	46.3	F5	CD	2497	P -60 1429
80	9.3	9.0W	25 20.397	-0.0004	07	-61 9 56.80	0.002	07	0.14	20.398	14	46.3	56.81	14	46.3	F8	CD	2498	P -60 1431
81	10.6	9.2W	25 25.797	0.0025	08	-60 43 11.98	-0.019	08	0.14	25.788	14	46.3	11.91	14	46.3	K5	CD	2499	P -60 1432
82		8.1	25 37.595	-0.0075	25	-69 3 9.14	-0.041	36	1.79	38.005	53	95.3	6.91	63	95.3		M4	2097	P -68 945
83		6.4T	25 39.313	-0.0084	05	-64 42 45.04	0.059	05	0.22	39.650	09	10.1	47.52	09	08.0	A3	GC	13056	P -64 1037
84			25 42.951	-0.0009	07	-63 24 43.30	-0.005	07	0.14	42.954	14	46.3	43.28	14	46.3	+++	CD	2500V	P*-63 1126
85	9.3	9.3W	25 54.950	-0.0001	06	-60 18 18.26	-0.015	06	0.14	54.950	14	46.3	18.21	14	46.3	A0	CD	2501	P -59 1397
86	8.4	8.6W	26 0.441	-0.0025	06	-60 1 32.99	0.006	06	0.14	0.450	14	46.2	33.01	14	46.2	A0	CD	2597	P -59 1398
87	9.7	9.2W	26 15.645	-0.0112	09	-62 22 33.89	0.026	09	0.14	15.686	14	46.3	33.99	14	46.3	F5	CD	2504	P -62 1237
88		8.6	26 34.517	-0.0015	25	-69 44 41.78	-0.024	36	1.64	34.593	53	00.3	40.59	63	00.3		M4	2101	P -69 1070
89	9.9	8.5W	27 20.148	-0.0009	08	-63 42 15.56	-0.052	08	0.14	20.152	14	46.3	15.37	14	46.3	K5	CD	2507	P -63 1129
90		6.0T	27 31.663	-0.0106	11	-62 3 13.97	0.028	07	0.46	32.152	19	04.0	15.53	15	93.9	K0	GC	13101	P -61 1277
91		6.2T	27 32.199	-0.0046	09	-66 28 59.10	0.044	08	0.49	32.444	18	96.7	* 1.54	17	94.7	A0	GC	13103	P -66 1018
92	8.9	8.7W	27 34.535	0.0002	07	-62 59 40.94	0.010	07	0.14	34.534	14	46.3	40.98	14	46.3	F0	CD	2509	P -62 1239
93	9.5	8.4W	27 38.576	-0.0012	05	-60 13 15.15	-0.010	05	0.14	38.580	14	46.3	15.11	14	46.3	K5	CD	2510	P -59 1403
94	10.1	9.7W	27 47.773	-0.0068	09	-60 48 50.34	-0.009	09	0.14	47.798	14	46.3	50.31	14	46.3	G0	CD	2511	P -60 1443
95	8.4	8.6W	27 51.495	0.0002	14	-63 13 12.79	0.024	14	0.15	51.494	14	46.3	12.88	14	46.3	B9	CD	2512	P -62 1242
96		9.0	28 6.940	-0.0085	33	-65 18 0.88	0.091	43	2.32	7.430	75	92.2	6.12	57	92.2		M3	1205	
97		6.6T	28 17.600	-0.0112	11	-62 8 28.05	0.007	08	0.52	18.144	19	01.6	28.41	17	97.3	A0	GC	13127	P*-61 1278
98	9.1	9.0W	28 36.545	-0.0008	07	-61 21 12.98	0.007	07	0.14	36.548	14	46.3	13.01	14	46.3	F5	CD	2514	P -61 1280
99	10.0	9.0W	28 39.656	-0.0028	09	-61 38 50.12	0.020	09	0.14	39.666	14	46.3	50.19	14	46.3	K0	CD	2515	P -61 1281
00		8.9	28 40.142	-0.0065	25	-68 30 51.59	0.021	36	1.68	4..474	53	99.2	52.64	63	99.2		M4	2111	P -68 952

250600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 9H DM NUMBER
1	9.6	9.6W	9 28 45.205	0.0020	12	-61 27 39.21	0.000	12	0.15	45.198	14	46.3	39.21	14	46.3	AO	C0	2516	P -61 1282
2	9.5	8.0W	29 5.644	-0.0008	06	-61 34 27.18	0.903	06	0.14	5.646	14	46.3	27.19	14	46.3	K5	C0	2518	P -61 1284
3	9.9	8.2W	29 8.311	-0.0007	09	-63 17 13.45	-0.019	09	0.14	8.314	14	46.3	13.38	14	46.3	K5	C0	2519	P -62 1249
4		8.0	29 11.875	-0.0035	25	-66 58 51.95	0.068	36	1.64	12.050	53	00.3	55.31	63	00.3		M4	2113	P -66 1522
5	9.9	8.2W	29 14.975	-0.0017	08	-63 51 53.50	-0.035	08	0.14	14.982	14	46.3	53.37	14	46.3	MB	C0	2520	P -63 1133
6	8.8	7.8W	29 38.561	0.0002	05	-60 13 55.01	-0.002	05	0.14	38.560	14	46.3	55.01	14	46.3	K0	C0	2521	P -59 1408
7	9.4	8.1W	29 42.894	-0.0007	13	-61 44 25.92	-0.008	13	0.15	42.896	14	46.3	25.89	14	46.3	K0	C0	2522	P -61 1287
8		8.0	29 58.514	-0.0035	25	-65 48 44.90	0.040	36	1.52	58.678	45	03.3	46.77	53	03.3		M4	2115	P -65 1112
9	9.9	9.3W	30 3.090	-0.0014	09	-61 8 12.39	-0.035	09	0.14	3.095	14	46.3	12.26	14	46.3	G0	C0	2524	P -60 1453
10	7.7	7.6W	30 32.556	-0.0033	07	-64 0 58.51	0.029	07	0.14	32.568	14	46.3	58.62	14	46.3	F0	C0	2525	P -63 1135
11		6.3T	30 32.884	-0.0040	10	-66 29 51.41	-0.010	08	0.50	33.090	18	99.1	50.88	17	94.4	K0	GC	13186	P -66 1025
12		7.1T	30 42.602	-0.0016	11	-61 0 46.74	0.003	08	0.49	42.678	17	02.6	46.91	15	98.8	A0	GC	13188K	P*-60 1455
13	9.3	9.1W	30 51.018	-0.0055	12	-63 45 41.41	0.003	12	0.15	51.038	14	46.3	41.42	14	46.3	F2	C0	2527	P -63 1136
14		4.0I	30 59.210	-0.0049	08	-62 34 1.09	0.017	07	0.33	59.401	14	10.8	1.86	12	05.6	M5E	GC	13192V	P*-62 1253
15		7.3T	31 9.226	-0.0032	11	-60 18 3.16	0.012	09	0.49	9.365	18	06.4	3.73	17	03.8	G0	GC	13200	P -59 1414
16		8.6	31 18.033	-0.0021	25	-65 16 22.52	-0.058	36	1.39	18.116	53	09.2	20.16	63	09.2		M4	2121	P -64 1042
17		7.9T	31 26.075	0.0011	12	-65 9 20.60	-0.031	11	0.59	26.022	21	01.9	19.00	19	98.4	K5	GC	13213	P -64 1043
18		8.3	31 54.234	-0.0082	33	-67 25 12.75	-0.025	43	2.28	54.699	75	93.2	11.34	57	93.2		M3	1214	
19		8.6	32 3.036	-0.0002	25	-68 20 37.90	-0.031	36	1.59	3.044	53	02.3	36.42	63	02.3		M4	2123	P -68 962
20	9.8	9.9W	32 3.824	-0.0024	13	-61 45 30.83	0.004	13	0.15	3.833	14	46.3	30.84	14	46.3	B9	C0	2531	P -61 1293
21		7.1T	32 21.128	-0.0026	11	-60 24 16.85	0.028	10	0.53	21.247	19	04.1	18.25	18	00.9	K0	GC	13232	P -60 1464
22	8.3	8.3W	32 27.888	-0.0034	06	-63 15 2.40	-0.018	06	0.14	27.900	14	46.3	2.33	14	46.3	A3	C0	2533	P -62 1257
23	9.5	8.0W	32 29.730	-0.0027	06	-63 0 30.15	-0.005	06	0.14	29.740	14	46.3	30.13	14	46.3	K5	C0	2534	P -62 1256
24		8.3	32 41.961	-0.0032	25	-69 28 9.51	-0.068	36	1.79	42.137	53	95.3	5.77	63	95.3		M4	2126	P -69 1085
25	9.5	8.1W	32 53.285	0.0008	07	-62 13 47.94	0.000	07	0.14	53.283	14	46.3	47.94	14	46.3	K5	C0	2535	P -61 1296
26	9.9	9.6W	33 7.258	0.0030	06	-60 10 24.47	-0.001	06	0.14	7.247	14	46.3	24.46	14	46.3	F8	C0	2536	P*-59 1420
27		7.1T	33 22.773	0.0015	12	-63 48 25.03	0.020	10	0.56	22.702	21	02.6	26.03	18	00.0	B8	GC	13255	P -63 1137
28		7.5T	33 25.638	0.0006	11	-65 53 54.07	-0.014	10	0.54	25.611	21	00.9	54.79	18	99.7	B8	GC	13256	P -65 1115
29		8.1T	33 47.558	-0.0064	11	-64 46 33.39	0.037	09	0.53	47.879	21	00.3	35.32	18	97.2	F5	GC	13267	P -64 1045
30		8.7T	33 50.528	-0.0006	12	-60 32 6.63	0.000	11	0.50	50.553	17	09.3	6.64	17	06.5	A0	GC	13269	P -60 1466
31	9.7	8.1W	34 10.285	0.0007	07	-62 14 4.33	0.002	07	0.14	10.282	14	46.3	4.34	14	46.3	K5	C0	2540	P -61 1303
32	9.5	9.2W	34 11.969	-0.0064	07	-61 31 35.16	-0.006	07	0.14	11.993	14	46.3	35.14	14	46.3	G5	C0	2541	P -61 1302
33		7.2T	34 42.721	-0.0024	11	-64 19 42.84	0.028	09	0.53	42.839	19	00.5	44.24	17	99.9	A0	GC	13286	P -63 1139
34		7.4T	34 46.082	-0.0036	11	-67 59 9.73	0.006	10	0.60	46.270	19	97.1	10.06	18	93.8	A0	GC	13288K	P*-67 1098
35	9.9	9.2W	34 53.833	-0.0013	09	-63 40 36.23	-0.056	09	0.14	53.838	14	46.3	36.02	14	46.3	K0	C0	2542	P -63 1140
36		6.9T	34 55.543	-0.0058	10	-64 43 33.75	0.032	08	0.49	55.830	18	00.0	35.41	17	97.6	A2	GC	13290	P -64 1049
37	8.2	8.2W	34 57.039	0.0011	06	-60 54 27.56	-0.000	06	0.14	57.035	14	46.3	27.56	14	46.3	B9	C0	2543	P -60 1470
38	8.4	8.6W	35 37.038	0.0010	07	-61 9 39.13	-0.019	07	0.14	37.035	14	46.3	39.06	14	46.3	A2	C0	2545	P -60 1472
39		9.0	35 47.665	-0.0013	25	-69 33 39.70	-0.008	36	1.64	47.729	53	00.3	39.29	63	00.3		M4	2136	P -69 1092
40	8.4	8.7W	36 4.472	-0.0033	07	-61 24 52.58	-0.005	07	0.14	4.484	14	46.3	52.56	14	46.3	B8	C0	2547	P -61 1307
41	9.6	9.9W	36 12.821	0.0010	13	-60 9 26.97	-0.002	13	0.15	12.817	14	46.3	26.96	14	46.3	A0	C0	2548	P -59 1436
42	10.0	8.9W	36 19.749	-0.0016	07	-60 59 44.29	-0.007	07	0.14	19.755	14	46.3	44.26	14	46.3	K0	C0	2549	P -60 1474
43		8.7	36 49.466	-0.0122	33	-66 13 41.97	-0.028	43	2.31	50.168	75	92.2	40.37	57	92.2		M3	1222	
44	8.9	9.2W	36 56.760	0.0027	14	-63 6 23.43	0.001	14	0.15	56.750	14	46.3	23.43	14	46.3	A0	C0	2550	P -62 1267
45	8.2	8.4W	36 59.955	-0.0008	06	-63 33 39.86	-0.010	06	0.14	59.958	14	46.3	39.82	14	46.3	A0	C0	2551	P -63 1143
46	7.3	7.7W	37 8.123	-0.0024	06	-62 19 45.36	-0.005	06	0.14	8.133	14	46.3	45.34	14	46.3	B9	C0	2552	P -61 1308
47		7.0T	37 8.942	-0.0014	13	-64 10 34.66	0.003	08	0.55	9.006	21	04.0	34.82	18	96.9	B5	GC	13339	P -63 1144
48	9.0	8.9W	37 17.976	-0.0033	06	-63 53 0.06	0.016	06	0.14	17.988	14	46.3	0.12	14	46.3	F2	C0	2553	P -63 1145
49		7.0T	37 36.714	0.0028	10	-64 15 46.66	0.022	07	0.45	36.591	18	06.1	47.80	17	98.3	K0	GC	13345	P -63 1146
50	9.0	9.4W	37 41.871	-0.0026	14	-62 58 24.61	0.035	14	0.15	41.880	14	46.3	24.73	14	46.3	B8	C0	2555	P -62 1272
51		7.6T	9 37 41.921	-0.0082	10	-66 37 58.55	0.034	09	0.54	42.339	19	98.8	+ 0.45	19	94.5	F0	GC	13348	P -66 1033
52	7.3	7.7W	37 50.636	-0.0016	05	-62 19 38.63	0.005	05	0.14	50.642	14	46.3	38.65	14	46.3	B8	C0	2556	P -61 1313
53		4.7T	37 57.870	-0.0055	05	-61 6 4.10	0.018	04	0.25	58.112	12	06.1	5.03	10	99.3	B9	GC	13355	P*-60 1477
54		8.8	37 58.678	0.0038	25	-68 22 49.98	-0.094	36	1.64	58.483	45	99.3	45.21	53	99.3		M4	2141	P -68 972
55		8.1	38 8.872	-0.0062	25	-67 20 43.04	0.003	36	1.56	9.255	53	03.2	43.18	63	03.2		M4	2142	P -67 1102
56	7.5	7.9W	38 10.151	-0.0053	07	-63 1 40.17	0.019	07	0.14	10.170	14	46.3	40.24	14	46.3	B9	C0	2558	P -62 1277
57		6.7T	38 26.547	-0.0047	10	-62 42 57.42	0.001	07	0.51	26.784	19	99.2	57.50	18	94.4	B8	GC	13365	P -62 1279
58	9.6	9.2W	38 42.045	-0.0048	07	-62 8 48.32	-0.021	07	0.14	42.062	14	46.3	48.24	14	46.3	F8	C0	2561	P -61 1319
59	8.3	8.6W	39 5.408	-0.0008	06	-62 46 36.65	-0.004	06	0.14	5.410	14	46.3	36.64	14	46.3	B9	C0	2562	P -62 1280
60	9.0	8.8W	39 6.744	-0.0078	06	-62 17 7.98	0.016	06	0.14	6.772	14	46.3	8.04	14	46.3	F8	C0	2563	P -61 1320
61		8.4	39 23.784	-0.0040	25	-64 52 13.99	0.008	36	1.44	23.956	53	07.4	14.31	63	07.4		M4	2146	P -64 1053
62	8.4	8.7W	39 24.541	-0.0010	06	-61 1 33.21	-0.013	06	0.14	24.545	14	46.3	33.16	14	46.3	A0	C0	2565	P -60 1480
63		8.8	39 47.788	-0.0112	25	-65 44 16.88	-0.045	36	1.79	48.398	53	95.2	14.44	63	95.2		M4	2147	P -65 1123
64		6.9T	39 58.997	-0.0097	11	-65 51 9.18	0.035	10	0.55	59.482	19	00.2	11.02	18	97.9	G5	GC	13395	P -65 1124
65		8.9	40 2.186	0.0088	33	-66 20 15.01	-0.015	43	2.28	1.686	75	93.2	14.18	57	93.2		M3	1230	
66		8.8T	40 3.361	-0.0049	18	-63 22 53.31	0.004	16	0.83	3.584	24	04.9	53.52	22	01.8	K5	GC	13398	P -63 1148
67	9.4	9.1W	40 39.538	0.0004	13	-60 19 25.12	0.012	13	0.15	39.537	14	46.3	25.16	14	46.3	F5	C0	2567	P -59 1452
68		7.4T	40 39.782	-0.0008	12	-68 16 33.76	0.012	12	0.66	39.821	21	99.3	34.41	19	96.1	B8	GC	13407	P -67 1111
69	8.1	8.3W	40 40.206	0.0036	06	-62 27 41.83	0.005	06	0.14	40.192	14	46.3	41.84	14	46.3	A0	C0	2568	P -62 1285
70	9.1	9.1W	40 40.322	-0.0035	07	-60 48 14.87	-0.002	07	0.14	40.335	14	46.3	14.86	14	46.3	A2	C0	2569	P -60 1486
71	9.2	9.6W	40 51.638	-0.0024	07	-60 3 37.00	-0.011	07	0.14	51.647	14	46.3	36.96	14	46.3	B9	C0	2570	P -59 1454
72		6.7T	41 7.873	-0.0009	09	-66 41 8.10	-0.004	10	0.56	7.923	21	93.4	7.89	21	95.2	A0	GC	13417K	P*-66 1042
73	8.9	8.0W	41 12.950	0.0013	07	-60 55 41.15	-0.024	07	0.14	12.945	14	46.3	41.06	14	46.3	K0	C0	2573	P -60 1490
74	7.8	7.9W	41 13.757	-0.0008	05	-62 31 8.99	-0.015	05	0.14	13.760	14	46.3	8.94	14	46.3	F0	C0	2574	P -62 1289
75	8.7	9.0W	41 18.918	0.0002	06	-60 5 10.69	-0.008	06	0.14	18.917	14	46.3	10.66	14	46.3	A0	C0	2575	P -59 1457
76	9.3	9.5W	41 19.968	-0.0019	13	-60 59 31.69	-0.007	13	0.15	19.975	14	46.3	31.66	14	46.3	A0	C0	2576	P -60 1492
77	8.5	8.9W	42 11.192	-0.0014	07	-60 12 2.37	-0.001	07	0.14	11.197	14	46.3	2.36	14	46.3	B8	C0	2578	P -59 1465
78	9.0	9.1W	42 13.529	-0.0023	07	-63 39 21.85	-0.007	07	0.14	13.538	14	46.3	21.82	14	46.3	A0	C0	2579	P -63 1156
79		8.7T	43 18.499	-0.0069	13	-69 33 47.57	0.038	12	0.64	18.828	21	02.0	49.47	19	99.5	A0	GC	13449K	P*-69 1108
80	9.6	10.0W	43 19.714	-0.0018	12	-62 50 18.61	0.007	12	0.15	19.720	14	46.3	18.63	14	46.3	A0	C0	2580	P -62 1301
81	9.5	9.5W	43 34.545	-0.0034	14	-64 6 54.06	0.015	14	0.15	34.558	14	46.3	54.12	14	46.3	A5	C0	2581	P -63 1163
82	9.5	9.6W	43 47.721	-0.0045	06	-63 55 44.58	0.011	06	0.14	47.738	14	46.3	44.62	14	46.3	A2	C0	2582	P -63 1167
83		4.2N	43 52.354	-0.0023	03	-62 16 36.42	0.003	02	0.12	52.446	07	10.4	36.54	06	11.6	G0	F4	1254V	P -61 1333
84	9.8	8.4W	43 52.556	0.0002	07	-60 48 28.18	-0.005	07	0.14	52.555	14	46.3	28.16	14	46.3	K5	C0	2584	P -60 1497
85		7.6T	44 7.998	0.0000	12	-66 34 39.24	-0.002	09	0.58	7.997	19	00.8	39.14	18	93.6	B9	GC	13470	P -66 1061
86		7.1T	44 11.394	0.0004	11	-69 31 51.31	0.029	10	0.63	11.369	14	92.8	52.98	12	91.5	A0	GC	13472K	P -69 1112
87		8.3	44 20.015	-0.0041	25	-65 53 1.07	0.025	36	1.79	20.243	53	95.2	2.46	63	95.2		M4	2161	P -65 1145
88	9.0	9.2W	44 42.274	-0.0017	12	-62 50 22.30	0.009	12	0.15	42.280	14	46.3	22.34	14	46.3	A0	C0	2586	P -62 1310
89		7.4T	44 48.586	0.0001	12	-69 53 11.52	0.014	11	0.64	48.579	21	99.1	12.25	19	96.2	B8	GC	13487K	P*-69 1115
90	9.5	8.3W	44 52.470	-0.0007	09	-61 43 52.80	-0.016	09	0.14	52.473	14	46.3	52.74	14	46.3	K2	C0	2587	P -61 1336
91		8.4	45 17.964	0.0008	25	-67 25 54.46	-0.120	36	1.79	17.919	53	95.4	47.91	63	95.4		M4	2168	P -67 1129
92	7.8	7.8W	45 19.984	-0.0021	06	-62 28 38.20	0.011	06	0.14	19.992	14	46.3	38.24	14	46.3	A3	C0	2588	P -62 1315
93	8.1	8.3W	45 32.274	-0.0037	06	-64 0 34.08	0.011	06	0.14	32.288	14	46.3	34.12	14	46.3	A0	C0	2589	P -63 1179
94	9.6	8.3W	45 47.769	-0.0015	07	-60 52 51.05	-0.025	07	0.14	47.775	14	46.3	50.96	14	46.3	K0	C0	2590	P -60 1498
95		3.1H	45 51.168	-0.0015	02	-64 50 22.20	0.007	02	0.14	51.241	06	99.8	22.58	06	98.0	F0 J	F3	369	
96		8.0T	45 51.775	-0.0013	09	-64 50 24.79	0.019	10	0.55	51.850	21	94.1	25.80	21	95.6	F0	GC	13507K	P -64 1084
97	9.0	7.9W	46 7.046	-0.0093	06	-63 22 7.98	0.047	06	0.14	7.080	14	46.3	8.13	14	46.3	K0	C0	2591	P -63 1184
98	8.5	9.1W	46 8.921	-0.0011	06	-60 48 27.45	-0.023	06	0.14	8.925	14	46.3	27.36	14	46.3	A0	C0	2593	P -60 1500
99		8.5	46 14.480	-0.0072	25	-68 2 28.83	-0.022	36	1.65	14.843	53	99.3	27.72	53	99.3		M4	2170	P -67 1139
00	8.4	8.4W	46 34.859	-0.0043	06	-60 46 50.26	-0.000	06	0.14	34.875	14	46.3	50.26	14	46.3	A2	C0	2594	P -60 1502

250700 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −60° 9H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.8	9.3W	9 46 38.999	-0.0085	06	-63 26 26.56	0.020	06	0.14	39.030	14	46.3	26.63	14	46.3	G0	C0	2595	P -63 1188
2	9.4	9.7W	46 40.195	-0.0005	09	-60 20 50.91	-0.013	09	0.14	40.197	14	46.3	50.86	14	46.3	A0	C0	2597	P -60 1503
3		7.8T	46 44.442	-0.0049	13	-66 37 47.45	-0.007	10	0.63	44.679	22	01.5	47.07	19	93.9	K5	GC	13522	P -66 1085
4	9.1	8.8W	47 7.353	-0.0177	07	-63 45 4.09	0.061	07	0.14	7.418	14	46.3	4.32	14	46.3	F5	C0	2599	P -63 1189
5	9.4	9.2W	47 12.656	0.0015	06	-62 37 18.72	-0.024	06	0.14	12.650	14	46.3	18.64	14	46.3	F0	C0	2600	P -62 1320
6	7.5	7.8W	47 40.908	-0.0061	06	-62 47 18.41	0.032	06	0.14	40.930	14	46.3	18.53	14	46.3	A0	C0	2602	P*-62 1324
7	8.4	8.2W	47 53.187	-0.0090	06	-62 55 5.62	0.032	06	0.14	53.220	14	46.3	5.74	14	46.3	F5	C0	2603	P -62 1327
8		8.3T	48 8.387	-0.0004	15	-60 1 41.60	0.002	11	0.65	8.403	21	05.6	41.71	19	01.0	A3	GC	13549	P -59 1501
9	9.0	9.2W	48 10.501	0.0001	07	-63 4 21.02	0.003	07	0.14	10.500	14	46.3	21.03	14	46.3	A0	C0	2605	P -62 1329
10	9.8		48 17.143	-0.0147	09	-60 2 3.15	-0.023	09	0.14	17.197	14	46.3	3.06	14	46.3	A	C0	2606	P -59 1502
11		8.2	48 19.314	0.0027	25	-69 50 26.26	-0.020	36	1.47	19.195	53	06.3	25.37	63	06.3		M4	2177	P -69 1125
12	8.1	8.5W	48 24.739	-0.0010	07	-62 1 7.96	-0.005	07	0.14	24.743	14	46.3	7.94	14	46.3	A0	C0	2607	P -61 1347
13	8.1	8.5W	48 39.425	-0.0005	07	-60 21 31.86	-0.000	07	0.14	39.427	14	46.3	31.86	14	46.3	B8	C0	2609	P -60 1508
14		6.8T	48 52.533	-0.0160	12	-68 11 8.13	0.015	11	0.62	53.342	21	99.3	8.93	19	96.4	G5	GC	13566	P -67 1149
15	9.6	10.0W	48 54.567	0.0001	11	-60 10 31.56	0.001	11	0.15	54.567	14	46.3	31.56	14	46.3	B9	C0	2610	P -59 1509
16	8.5	8.6W	48 59.384	-0.0029	07	-60 43 58.38	-0.006	07	0.14	59.395	14	46.3	58.36	14	46.3	B8	C0	2611	P -60 1510
17		7.8	49 2.004	-0.0102	25	-66 30 27.70	-0.050	36	1.64	2.510	53	00.3	25.19	63	00.3		M4	2179	P -66 1098
18		7.5T	49 7.803	-0.0006	15	-60 17 35.41	-0.019	12	0.64	7.828	21	06.1	36.31	19	03.5	A0	GC	13571	P -59 1510
19	9.6	9.7W	49 17.820	-0.0012	09	-60 51 29.61	-0.013	09	0.14	17.825	14	46.3	29.56	14	46.3	A0	C0	2613	P -60 1511
20		8.1	49 22.578	-0.0022	25	-66 54 18.21	-0.003	36	1.46	22.673	53	06.7	18.09	63	06.7		M4	2181	P -66 1101
21		5.6T	49 31.237	-0.0007	07	-62 30 36.95	0.004	05	0.26	31.262	10	12.5	37.14	10	07.3	K0	GC	13578	P -62 1335
22		8.3	49 33.314	-0.0010	25	-65 12 41.00	0.012	36	1.41	33.356	53	08.3	41.49	63	08.3		M4	2182	P -64 1107
23	10.1	8.5W	49 42.860	-0.0013	07	-60 52 18.02	0.010	07	0.14	42.865	14	46.3	18.06	14	46.3	K5	C0	2615	P -60 1514
24	8.9	7.9W	49 43.612	-0.0042	07	-64 0 59.80	-0.022	07	0.14	43.628	14	46.3	59.72	14	46.3	K0	C0	2616	P -63 1201
25	8.6	8.9W	49 44.406	0.0014	07	-62 56 33.17	-0.009	07	0.14	44.400	14	46.3	33.14	14	46.3	A0	C0	2617	P -62 1337
26	9.0	8.7W	49 49.160	-0.0127	07	-60 5 49.11	0.067	07	0.14	49.207	14	46.3	49.36	14	46.3	G0	C0	2618	P -59 1515
27	9.5	9.8W	50 9.598	-0.0006	07	-62 46 52.55	-0.004	07	0.14	9.600	14	46.3	52.54	14	46.3	A2	C0	2619	P -62 1338
28		7.7T	50 10.460	0.0016	18	-60 21 28.57	-0.024	14	0.73	10.391	19	07.8	27.50	19	05.1	K0	GC	13595	P -60 1516
29	8.8	9.0W	50 23.138	-0.0012	13	-61 48 35.97	-0.007	13	0.15	23.143	14	46.3	35.94	14	46.3	B9	C0	2622	P -61 1352
30	8.2	8.1W	50 23.751	0.0039	07	-60 11 56.19	-0.034	07	0.14	23.737	14	46.3	56.06	14	46.3	G0	C0	2623	P -59 1516
31	9.3	9.6W	50 47.682	-0.0002	07	-62 25 11.60	0.012	07	0.14	47.682	14	46.3	11.64	14	46.3	A0	C0	2625	P -62 1341
32	9.0	8.7W	50 48.037	0.0040	06	-62 11 10.98	-0.011	06	0.14	48.022	14	46.3	10.94	14	46.3	F5	C0	2626	P -61 1353
33	8.9	9.2W	50 55.356	-0.0024	06	-60 45 11.25	-0.025	06	0.14	55.365	14	46.3	11.16	14	46.3	A0	C0	2627	P -60 1519
34	9.2	9.6W	50 59.970	-0.0001	06	-62 31 50.21	0.007	06	0.14	59.970	14	46.3	50.24	14	46.3	A2	C0	2628	P -62 1343
35		8.3	51 11.908	-0.0102	25	-67 21 41.25	-0.081	36	1.79	12.465	53	95.3	36.84	63	95.3		M4	2189	P -67 1158
36		8.1T	51 36.784	-0.0027	13	-62 5 57.03	0.012	10	0.56	36.903	19	06.3	57.61	18	03.0	A0	GC	13620	P -61 1356
37	9.4	9.0W	51 38.981	0.0111	06	-63 16 34.57	-0.037	06	0.14	38.940	14	46.3	34.43	14	46.3	F8	C0	2630	P -62 1347
38	9.4	9.3W	52 14.421	-0.0073	06	-63 57 21.52	-0.027	06	0.14	14.448	14	46.3	21.42	14	46.3	A2	C0	2632	P -63 1213
39		10.1T	52 26.865	-0.0003	18	-62 42 27.13	0.030	20	0.89	26.877	24	05.2	28.49	24	04.9	F0	GC	13642	P -62 1350
40		8.0T	52 30.742	-0.0026	13	-61 52 58.89	-0.025	11	0.60	30.862	21	04.5	57.66	18	00.2	A2	GC	13645	P -61 1359
41		8.5T	52 41.083	-0.0175	13	-67 5 1.66	0.030	12	0.68	41.955	21	00.1	3.22	21	98.3	F5	GC	13649	P -66 1120
42		7.0T	52 49.693	-0.0029	14	-69 39 30.87	-0.004	12	0.67	49.829	21	02.4	30.64	19	99.5	B8	GC	13653	P -69 1128
43		8.5	53 8.079	-0.0048	33	-69 23 9.04	-0.027	43	2.28	7.808	75	93.3	7.48	57	93.3		M3	12666	
44	8.4	8.7W	53 8.334	-0.0045	06	-63 12 50.72	-0.023	06	0.14	8.350	14	46.3	50.63	14	46.3	B9	C0	2635	P -62 1356
45		8.7	53 12.076	0.0028	25	-67 29 2.10	-0.027	36	1.68	11.934	53	99.3	0.74	63	99.3		M4	2194	P -67 1165
46		10.5T	53 19.834	-0.0101	18	-62 40 49.51	0.005	18	0.86	20.286	24	05.1	49.75	24	04.8	A2	GC	13667	P -62 1357
47	8.5	7.7W	53 25.817	-0.0028	06	-60 24 11.75	0.002	06	0.14	25.827	14	46.3	11.76	14	46.3	K0	C0	2637	P -60 1529
48		9.0T	53 28.787	-0.0038	12	-63 1 40.09	-0.001	14	0.64	28.959	22	04.3	40.06	22	05.6	B9	GC	13672	P -62 1358
49	9.3	9.8W	53 36.512	-0.0023	07	-63 18 13.50	-0.019	07	0.14	36.520	14	46.3	13.43	14	46.3	A0	C0	2639	P -62 1360
50		6.8T	54 3.331	-0.0128	12	-68 57 4.95	0.035	11	0.64	3.995	21	98.1	6.85	19	94.9	B9	GC	13687K	P*-68 1002
51		8.2	9 54 9.864	0.0048	25	-68 34 38.33	-0.115	36	1.64	9.619	31	98.4	32.40	45	98.4		M4	2197	P -68 1003
52	9.6	9.9W	54 35.304	-0.0043	07	-63 20 28.12	0.002	07	0.14	35.320	14	46.3	28.13	14	46.3	A0	C0	2640	P -62 1365
53		9.2T	54 39.572	-0.0063	14	-62 52 19.82	0.023	15	0.67	39.847	22	06.0	20.81	21	07.5	A2	GC	13702	P -62 1366
54		10.4T	54 47.424	-0.0172	26	-65 7 5.44	-0.050	17	1.02	48.189	29	05.5	3.05	22	02.2	A3	GC	13703	P -64 1127
55		8.6	54 59.030	-0.0043	25	-68 35 29.87	-0.035	36	1.61	59.235	53	01.6	28.17	63	01.6		M4	2201	P -68 1007
56		8.0T	55 31.148	-0.0012	12	-63 8 52.70	-0.014	14	0.64	31.200	22	04.6	52.10	22	05.9	B9F	GC	13723	P -62 1370
57	9.2	9.5W	55 36.117	-0.0022	07	-61 4 9.94	-0.021	07	0.14	36.125	14	46.3	9.86	14	46.3	A0	C0	2643	P -60 1540
58	10.0		55 44.735	0.0001	11	-60 48 16.65	0.002	11	0.15	44.735	14	46.3	16.66	14	46.3	A0	C0	2644	P -60 1541
59	9.1	9.2W	55 52.752	-0.0049	07	-63 25 19.58	-0.013	07	0.14	52.770	14	46.3	19.53	14	46.3	A2	C0	2645	P -63 1231
60		6.5T	55 54.011	-0.0191	12	-64 15 5.93	0.068	10	0.57	54.920	21	02.4	9.36	18	99.6	K0	GC	13728	P -63 1233
61		6.3T	55 55.512	-0.0041	12	-68 51 46.76	-0.005	07	0.43	55.677	15	09.7	46.51	14	04.2	B5	GC	13729	P*-68 1011
62		7.3T	56 19.546	-0.0040	12	-61 41 33.94	0.020	09	0.53	19.731	19	04.2	34.93	17	01.5	A0	GC	13734	P -61 1379
63	8.4	7.6W	56 23.292	-0.0035	07	-60 30 31.32	0.120	07	0.14	23.305	14	46.3	31.76	14	46.3	G5	C0	2647	P -60 1548
64	9.6	8.9W	56 23.688	-0.0008	06	-62 31 18.52	0.005	06	0.14	23.690	14	46.3	18.53	14	46.3	K0	C0	2648	P -62 1375
65	8.9	9.3W	56 23.738	0.0010	07	-61 26 27.89	-0.008	07	0.14	23.735	14	46.3	27.86	14	46.3	B9	C0	2649	P -61 1380
66		7.0T	56 39.160	-0.0011	13	-62 20 46.29	0.014	10	0.55	39.210	18	05.8	46.96	17	02.9	G5	GC	13739	P -61 1381
67	8.0	8.2W	56 53.501	-0.0019	06	-64 5 39.91	0.004	06	0.14	53.504	14	46.3	39.92	14	46.3	A0	C0	2651	P -63 1242
68		8.2	57 1.114	-0.0032	25	-66 46 25.04	-0.018	36	1.79	1.288	53	95.3	24.06	63	95.3		M4	2207	P -66 1139
69		8.5	57 18.075	0.0040	25	-65 11 23.38	-0.046	36	1.47	17.901	53	06.3	21.36	63	06.3		M4	2208	P -64 1140
70		7.8T	57 28.522	-0.0051	11	-62 4 36.84	0.030	08	0.52	28.769	19	01.9	38.50	18	95.3	A5	GC	13752	P -61 1384
71		6.6T	57 38.747	0.0037	09	-63 6 16.66	-0.048	07	0.49	38.548	19	96.8	13.87	18	91.4	G5	GC	13758	P -62 1387
72		7.4T	57 46.828	-0.0006	12	-65 44 35.91	-0.008	10	0.54	46.858	19	03.8	35.54	18	01.9	B8	GC	13761	P -65 1210
73	8.8	8.8W	58 4.620	-0.0006	07	-62 7 27.87	-0.006	07	0.14	4.623	14	46.3	27.84	14	46.3	A3	C0	2655	P -61 1387
74	9.4	9.3W	58 20.561	-0.0043	13	-60 10 6.98	0.049	13	0.15	20.577	14	46.3	7.16	14	46.3	F0	C0	2656	P*-59 1595
75		7.6T	58 24.291	-0.0044	15	-60 15 19.51	-0.028	11	0.64	24.486	21	05.5	18.15	19	00.8	F0	GC	13769	P -59 1598
76		7.8T	59 2.669	-0.0141	12	-61 31 8.95	0.115	10	0.51	3.270	18	07.5	14.51	18	01.8	K0	GC	13775	P -61 1400
77	8.8	7.7W	59 27.972	-0.0014	04	-60 3 7.17	-0.001	04	0.14	27.977	14	46.3	7.16	14	46.3	G5	C0	2660	P*-59 1642
78	8.1	8.4W	59 28.485	-0.0005	06	-60 5 6.03	-0.008	06	0.14	28.487	14	46.3	6.06	14	46.3	A0	C0	2661	P -59 1643
79	9.3	8.2W	59 42.835	-0.0026	09	-60 44 26.06	-0.001	09	0.14	42.845	14	46.3	26.06	14	46.3	K0	C0	2663	P -60 1584
80	8.2	8.7W	59 57.480	-0.0020	07	-60 6 28.03	0.007	07	0.14	57.487	14	46.3	28.06	14	46.3	B9	C0	2664	P -59 1671
81	8.7	9.1W	10 0 4.151	-0.0025	07	-62 36 33.34	-0.003	07	0.14	4.160	14	46.3	33.33	14	46.3	A0	C0	2665	P -62 1402
82		6.1T	0 24.426	-0.0024	10	-60 10 44.68	0.003	06	0.43	24.536	17	04.1	44.86	15	95.5	F0	GC	13809	P -59 1695
83		9.2	0 27.626	-0.0072	25	-66 40 45.15	-0.163	36	1.68	27.992	53	99.2	36.86	63	99.2		M4	2216	P -66 1155
84		8.9	0 34.319	-0.0051	25	-65 34 59.96	-0.061	36	1.70	34.585	53	98.3	56.82	63	98.3		M4	2217	P -65 1223
85		7.4T	0 56.380	-0.0001	12	-65 40 33.64	-0.001	10	0.58	56.386	21	03.1	33.61	18	99.8	B8	GC	13817	P -65 1224
86	9.0	9.2W	1 3.015	-0.0046	07	-62 8 46.51	-0.045	07	0.14	3.032	14	46.3	46.34	14	46.3	A2	C0	2667	P -61 1423
87	7.9	8.3W	1 6.978	-0.0018	12	-61 3 47.55	0.002	12	0.15	6.985	14	46.3	47.56	14	46.3	B3	C0	2668	P -60 1602
88	10.4	9.1W	1 7.980	-0.0006	07	-62 8 42.21	-0.019	07	0.14	7.983	14	46.3	42.14	14	46.3	K	C0	2669	P -61 1427
89		6.4T	1 17.707	-0.0012	12	-61 54 51.31	0.007	09	0.51	17.762	19	05.5	51.66	17	01.6	K5	GC	13826	P -61 1431
90	8.8	9.2W	1 30.290	-0.0018	09	-60 29 38.58	-0.033	09	0.14	30.297	14	46.3	38.46	14	46.3	A0	C0	2671	P -60 1610
91	8.7	9.0W	1 31.773	-0.0026	06	-61 46 43.13	0.005	06	0.14	31.783	14	46.3	43.14	14	46.3	A0	C0	2672	P -61 1435
92	9.6	9.7W	1 49.979	-0.0004	12	-63 16 33.63	0.002	12	0.15	49.980	14	46.3	33.63	14	46.3	B9	C0	2673	P -62 1415
93	9.4	9.6W	1 55.877	0.0019	07	-62 56 32.14	-0.002	07	0.14	55.870	14	46.3	32.13	14	46.3	A0	C0	2675	P -62 1416
94	8.3	8.7W	1 57.565	0.0006	06	-61 41 12.36	0.024	06	0.14	57.563	14	46.3	12.45	14	46.3	B9	C0	2676	P -61 1440
95		6.3T	2 1.517	-0.0004	14	-61 38 28.32	0.002	08	0.56	1.536	19	06.3	28.44	18	98.3	B8	GC	13845K	P*-61 1441
96	9.4	8.5W	2 1.899	-0.0031	07	-63 6 50.35	-0.004	07	0.14	1.910	14	46.3	50.33	14	46.3	K0	C0	2678	P -62 1418
97	9.0	9.3W	2 10.876	0.0025	14	-60 20 58.83	0.009	14	0.15	10.867	14	46.3	58.86	14	46.3	A2	C0	2680	P -59 1801
98	9.8	9.7W	2 25.706	-0.0025	13	-61 16 43.50	0.017	13	0.15	25.715	14	46.3	43.56	14	46.3	F0	C0	2681	P -60 1622
99	9.6	8.0W	2 30.037	-0.0047	13	-60 50 53.48	-0.034	13	0.15	30.055	14	46.3	53.36	14	46.3	MA	C0	2682	P -60 1623
00	8.8	8.7W	2 30.145	-0.0073	06	-61 59 34.08	0.017	06	0.14	30.172	14	46.3	34.14	14	46.3	F0	C0	2683	P -61 1447

250800 — EPOCH 1950 — ORIGINAL EPOCH — -60° 10H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	9.1	9.5W	15 3 3.254	-0.0016	07	-63 1 6.85	0.022	07	0.14	3.260	14	46.3	6.93	14	46.3	B9	GC	2684	P -62 1426
2		6.9T	3 8.580	-0.0013	12	-64 24 17.29	-0.014	09	0.53	8.643	21	02.1	16.62	15	02.0	A0	GC	13875	P -64 1168
3		9.1	3 23.868	-0.0088	25	-69 6 46.73	-0.045	36	1.76	23.396	53	96.3	44.29	63	96.3		M4	2220	P -68 1104
4	9.5	9.0W	3 35.492	-0.0069	09	-60 27 50.92	0.066	09	0.14	35.467	14	46.3	51.16	14	46.3	F5	GC	2686	P -60 1636
5	9.4	7.8W	3 34.129	0.0011	10	-61 26 16.40	0.017	10	0.15	34.125	14	46.3	16.46	14	46.3	K5	GC	2687	P -61 1458
6	8.7	7.8W	3 48.304	-0.0018	07	-62 36 29.44	-0.003	07	0.14	48.310	14	46.3	29.43	14	46.3	K0	GC	2688	P -62 1429
7	9.8	10.0W	4 5.900	-0.0001	12	-63 24 1.02	-0.024	12	0.15	5.900	14	46.3	0.93	14	46.3	B9	GC	2689	P -63 1281
8		6.9T	4 8.788	-0.0024	17	-60 55 41.67	0.011	14	0.71	8.891	21	07.2	42.17	21	05.3	K5	GC	13887	P -60 1646
9	9.0	9.6W	4 19.484	-0.0002	11	-60 43 44.95	0.002	11	0.15	19.485	14	46.3	44.96	14	46.3	A0	GC	2692	P -60 1655
10	9.5	9.8W	4 22.719	-0.0017	13	-60 37 51.06	-0.000	13	0.15	22.725	14	46.3	51.06	14	46.3	B9	GC	2693	P -60 1654
11		6.9T	4 24.330	0.0001	10	-63 35 26.44	-0.020	09	0.53	24.325	19	98.8	25.35	18	95.2	G5	GC	13895	P -63 1282
12		8.0	4 31.368	-0.0011	25	-64 59 34.71	-0.022	36	1.67	31.421	53	99.3	33.57	63	99.3		M4	2221	P -64 1181
13		7.3T	4 38.603	-0.0094	12	-68 3 15.06	0.012	11	0.63	39.084	21	98.7	15.72	19	95.4	K0	GC	13900	P -67 1198
14	8.7	8.8W	4 41.333	-0.0039	07	-63 41 0.93	0.025	07	0.14	41.348	14	46.3	1.02	14	46.3	A3	GC	2695	P -63 1283
15		8.9	4 46.232	-0.0062	25	-67 16 45.58	0.008	36	1.79	46.570	53	95.3	46.03	63	95.3		M4	2223	P -66 1176
16	9.5	9.7W	5 2.975	-0.0015	07	-63 13 0.79	0.012	07	0.14	2.980	14	46.3	0.84	14	46.3	A2	GC	2696	P -62 1434
17	9.2	9.6W	5 20.643	0.0002	07	-62 5 56.35	-0.001	07	0.14	20.643	14	46.3	56.34	14	46.3	B8	GC	2697	P -61 1473
18		7.5T	5 27.034	-0.0045	15	-60 58 10.68	-0.004	09	0.62	26.831	21	04.9	10.49	18	98.4	A0	GC	13919	P -60 1673
19		9.2	5 30.497	-0.0062	25	-68 49 12.92	-0.061	36	1.79	30.836	53	95.3	9.55	63	95.3		M4	2226	P -68 1028
20	8.3	8.5W	5 49.319	0.0017	06	-61 49 29.46	-0.005	06	0.14	49.313	14	46.3	29.44	14	46.3	A2	GC	2699	P -61 1476
21	7.7	8.1W	5 55.502	-0.0000	06	-61 59 45.88	-0.010	06	0.14	55.503	14	46.3	45.84	14	46.3	B8	GC	2700	P -61 1477
22	8.1	8.4W	5 59.072	-0.0002	07	-62 24 30.36	-0.004	07	0.14	59.072	14	46.3	30.34	14	46.3	B0	GC	2701	P -62 1438
23	9.4	9.7W	6 3.596	-0.0024	07	-60 51 5.50	-0.011	07	0.14	3.605	14	46.3	5.46	14	46.3	A0	GC	2702	P -60 1678
24	9.7	8.8W	6 7.761	-0.0030	07	-62 22 49.09	0.014	07	0.14	7.772	14	46.3	49.14	14	46.3	K0	GC	2703	P -62 1439
25	8.5	8.8W	6 15.792	-0.0015	07	-63 59 11.19	-0.018	07	0.14	15.798	14	46.3	11.12	14	46.3	B5	GC	2704	P -63 1293
26		6.6T	6 22.498	-0.0035	12	-61 58 33.95	0.000	09	0.51	22.651	18	06.5	33.96	17	02.0	B8	GC	13938	P -61 1479
27	8.7	8.5W	6 28.688	-0.0045	07	-60 41 15.27	-0.029	07	0.14	28.705	14	46.3	15.16	14	46.3	F5	GC	2706	P -60 1686
28	8.9	8.0W	6 38.843	-0.0027	06	-61 30 55.41	0.009	06	0.14	38.853	14	46.3	55.44	14	46.3	K0	GC	2707	P -61 1480
29	9.9	9.9W	6 59.747	-0.0008	06	-63 15 50.86	-0.006	06	0.14	59.750	14	46.3	50.84	14	46.3	A0	GC	2709	P -62 1446
30	8.8	8.9W	7 0.357	-0.0021	13	-60 39 24.75	0.001	13	0.15	0.365	14	46.3	24.76	14	46.3	A0	GC	2710	P -60 1689
31	9.4	9.9W	7 2.251	-0.0010	11	-61 3 39.16	-0.001	11	0.15	2.255	14	46.3	39.16	14	46.3	A0	GC	2711	P -60 1690
32	9.3	9.0W	7 6.621	-0.0108	07	-62 32 29.67	0.018	07	0.14	6.661	14	46.3	29.73	14	46.3	F5	GC	2712	P -62 1447
33		7.4T	7 16.825	0.0003	10	-65 15 55.90	-0.010	08	0.51	16.808	19	97.7	55.34	18	93.7	B8	GC	13958	P*-64 1190
34	8.6	9.0W	7 17.085	-0.0021	07	-61 38 24.99	-0.013	07	0.14	17.093	14	46.3	24.94	14	46.3	A0	GC	2714	P -61 1484
35	8.5	7.5W	7 18.396	0.0005	06	-60 56 47.43	0.007	06	0.14	18.395	14	46.3	47.46	14	46.3	K5	GC	2716	P -60 1695
36		5.4T	7 18.969	-0.0111	07	-63 34 12.14	0.038	06	0.30	19.419	12	09.6	13.80	12	06.7	K0	GC	13960K	P*-65 1248
37		8.1T	7 30.593	-0.0017	14	-60 10 13.52	-0.009	08	0.59	30.668	21	04.8	13.06	18	95.9	A2	GC	13966	P -59 1922
38	9.3	9.9W	7 36.613	-0.0031	07	-60 50 25.81	-0.014	07	0.14	36.625	14	46.3	25.76	14	46.3	A0	GC	2718	P -60 1697
39	10.0		7 46.055	-0.0034	12	-63 59 3.29	0.010	12	0.15	46.068	14	46.3	3.32	14	46.3	B8	GC	2719	P -63 1309
40		5.4I	7 46.152	-0.0129	08	-61 18 14.15	0.070	07	0.34	46.669	13	10.0	17.21	12	06.4	M2E	GC	13971V	P*-60 1701
41	8.7		7 54.526	0.0108	25	-66 50 11.23	-0.028	36	1.70	53.966	53	98.2	9.79	63	98.2		M4	2240	P -66 1189
42	9.1	9.6W	8 9.918	-0.0018	11	-60 45 1.98	-0.009	11	0.15	9.926	14	46.3	1.96	14	46.3	B3	GC	2721	P -60 1708
43		8.0	8 11.660	0.0018	25	-68 3 30.10	-0.015	36	1.67	11.568	53	99.3	29.34	63	99.3		M4	2242	P -67 1213
44		6.1T	8 16.153	-0.0007	10	-68 26 13.31	0.006	10	0.60	16.190	21	95.4	13.65	18	92.1	A0	GC	13986K	P*-68 1034
45	9.9	9.8W	8 19.129	0.0018	11	-62 20 58.80	-0.014	11	0.15	19.122	14	46.3	58.74	14	46.3	A0	GC	2723	P -61 1487
46	9.2	9.1W	8 29.816	-0.0004	07	-60 6 55.87	-0.004	07	0.14	29.817	14	46.3	55.86	14	46.3	B2	GC	2724	P -59 1937
47	9.3	9.5W	8 34.821	-0.0047	07	-63 31 29.42	0.001	07	0.14	34.838	14	46.3	29.42	14	46.3	B8	GC	2725	P -63 1316
48		9.0	8 35.963	-0.0012	25	-68 33 42.80	-0.009	36	1.79	36.031	53	95.3	42.31	63	95.3		M4	2245	P -68 1036
49		7.0T	8 54.864	-0.0023	13	-60 8 15.49	0.016	10	0.58	54.970	21	03.8	16.27	18	01.2	A0	GC	13996	P -63 1319
50	9.3	8.5W	8 57.048	-0.0007	06	-63 5 38.76	0.021	06	0.14	57.050	14	46.3	38.84	14	46.3	K0	GC	2727	P -62 1459
51		7.0T	15 9 0.986	-0.0013	13	-67 0 59.74	0.006	12	0.66	1.047	21	02.1	+ 0.06	19	97.9	B9	GC	14000	P -66 1194
52	8.7	9.0W	9 9.295	-0.0026	07	-60 41 45.54	-0.021	07	0.14	9.305	14	46.3	45.46	14	46.3	A0	GC	2728	P -60 1723
53		7.5T	9 11.888	-0.0020	12	-67 35 40.01	0.001	11	0.63	11.986	18	99.7	40.01	18	96.7	B8	GC	14002	P -67 1216
54	8.3	8.3W	9 15.477	-0.0002	06	-63 44 36.46	-0.010	06	0.14	15.478	14	46.3	36.42	14	46.3	A0	GC	2729	P -63 1321
55	8.4	8.5W	9 33.174	-0.0117	07	-64 9 25.24	-0.006	07	0.14	33.218	14	46.3	25.22	14	46.3	A2	GC	2730	P -63 1325
56	9.4	9.8W	9 36.739	-0.0022	13	-60 21 10.86	-0.000	13	0.15	36.747	14	46.3	10.86	14	46.3	A0	GC	2731	P -59 1950
57		7.6T	9 37.820	-0.0005	13	-61 31 15.88	-0.012	10	0.56	37.843	19	07.0	15.34	18	03.7	K0	GC	14006	P -61 1498
58		7.1T	9 54.404	-0.0063	11	-67 38 41.83	0.003	10	0.60	54.743	21	95.8	42.00	19	92.8	K0	GC	14015	P -67 1222
59	8.5	8.2W	9 55.061	-0.0146	06	-60 59 35.06	0.053	06	0.14	55.106	14	46.3	35.26	14	46.3	F5	GC	2733	P -60 1734
60	9.5	9.5W	9 58.701	-0.0009	07	-61 17 24.04	-0.021	07	0.14	58.706	14	46.3	23.96	14	46.3	B9	GC	2734	P -60 1737
61	8.9	9.3W	10 3.612	-0.0007	13	-60 35 13.87	-0.004	13	0.15	3.615	14	46.3	13.86	14	46.3	B9	GC	2735	P -60 1738
62	9.8	9.6W	10 6.564	-0.0018	07	-62 58 36.40	0.009	07	0.14	6.570	14	46.3	36.44	14	46.3	F5	GC	2736	P -62 1471
63		7.0T	10 12.362	-0.0026	12	-61 17 39.51	-0.003	09	0.53	12.481	19	04.7	39.37	18	00.5	B8	GC	14023	P -60 1742
64	8.1	8.3W	10 16.456	-0.0006	07	-63 34 30.69	-0.019	07	0.14	16.458	14	46.3	30.62	14	46.3	A2	GC	2738	P -63 1327
65		7.5T	10 46.247	-0.0008	12	-65 56 2.87	0.011	11	0.57	46.287	21	02.8	3.42	19	01.7	K5	GC	14034	P -65 1265
66	9.5	9.7W	10 54.949	-0.0030	12	-63 17 10.11	0.007	12	0.15	54.960	14	46.3	10.13	14	46.3	A0	GC	2739	P*-62 1474
67		7.6T	11 1.046	-0.0015	13	-66 2 20.58	-0.003	11	0.62	1.117	21	04.2	20.45	19	00.1	A5	GC	14038	P -65 1267
68	9.2	8.4W	11 11.718	-0.0052	06	-63 58 6.34	-0.005	06	0.14	11.738	14	46.3	6.32	14	46.3	K0	GC	2740	P -63 1334
69	8.4	8.0W	11 14.275	-0.0224	06	-64 8 49.21	0.030	06	0.14	14.358	14	46.3	49.32	14	46.3	G0	GC	2741	P -63 1335
70	8.8	9.2W	11 19.286	-0.0018	07	-61 33 55.52	-0.022	07	0.14	19.293	14	46.3	55.44	14	46.3	B5	GC	2742	P -61 1513
71	8.2	8.6W	11 23.648	-0.0017	07	-60 55 51.09	0.020	07	0.14	23.655	14	46.3	51.16	14	46.3	B8	GC	2743	P -60 1765
72		7.1T	11 29.052	0.0003	13	-64 55 6.71	-0.010	11	0.62	29.040	21	02.7	6.18	19	99.7	B9	GC	14048K	P*-64 1212
73	9.5	9.8W	11 34.527	0.0014	09	-62 2 38.06	-0.006	09	0.14	34.522	14	46.3	38.04	14	46.3	A0	GC	2744	P -61 1516
74	9.5		11 40.708	-0.0019	07	-60 30 40.17	-0.004	07	0.14	40.715	14	46.3	40.16	14	46.3	B5	GC	2745	P -60 1769
75		6.5T	11 43.283	-0.0021	11	-61 24 37.36	0.003	09	0.48	43.372	17	07.9	37.52	17	01.9	B3	GC	14055	P*-61 1517
76		8.7T	11 45.896	0.0036	17	-62 15 28.32	-0.012	18	0.70	45.757	18	11.2	27.87	18	12.2	B8	GC	14057	P -61 1519
77	9.0	9.1W	11 48.258	-0.0011	07	-61 50 4.83	0.002	07	0.14	48.263	14	46.3	4.84	14	46.3	A2	GC	2748	P -61 1520
78	7.3	7.6W	11 59.306	-0.0029	07	-61 0 54.24	0.006	07	0.14	59.317	14	46.3	54.26	14	46.3	A0	GC	2749	P -59 1976
79	9.4	9.8W	12 4.566	0.0009	14	-61 37 36.50	0.013	14	0.15	4.563	14	46.3	36.54	14	46.3	A0	GC	2750	P -61 1523
80		5.4T	12 5.677	-0.0058	08	-66 7 28.10	0.000	05	0.29	5.901	12	11.7	28.12	10	06.3	A3	GC	14066	P*-65 1273
81	8.8	9.0W	12 13.384	-0.0065	07	-63 39 5.16	-0.011	07	0.14	13.408	14	46.3	5.12	14	46.3	F0	GC	2751	P -63 1341
82		8.2	12 17.974	0.0008	25	-68 51 4.43	-0.085	36	1.65	17.934	53	00.0	0.16	63	00.0		M4	2257	P -68 1062
83	9.0	9.0W	12 29.422	-0.0007	07	-61 0 13.78	-0.006	07	0.14	29.425	14	46.3	13.76	14	46.3	A5	GC	2752	P -60 1783
84		7.0T	12 29.517	-0.0049	12	-67 48 40.41	-0.015	11	0.63	29.755	21	01.1	39.63	19	97.8	B8	GC	14072	P -67 1239
85		3.6M	12 33.047	-0.0062	02	-69 47 21.35	0.003	02	0.10	33.287	05	11.6	21.46	05	13.0	B8	F4	385	P -69 1178
86		8.6	12 41.172	-0.0072	25	-69 25 42.90	-0.015	36	1.56	41.508	53	03.3	42.18	63	03.3		M4	2262	P -69 1180
87	9.6	9.9W	12 41.499	-0.0069	13	-60 47 29.68	0.021	13	0.15	41.525	14	46.3	29.76	14	46.3	A0	GC	2754	P -60 1785
88	9.5	9.8W	12 47.958	-0.0018	12	-61 24 16.97	0.025	12	0.15	47.965	14	46.3	17.06	14	46.3	A0	GC	2755	P -61 1535
89	9.2	9.6W	12 50.239	-0.0009	06	-62 12 21.06	-0.006	06	0.14	50.242	14	46.3	21.04	14	46.3	B9	GC	2756	P -61 1536
90		8.4	12 55.911	0.0028	25	-68 3 43.42	-0.030	36	1.53	55.781	53	04.3	42.05	63	04.3		M4	2263	P -67 1243
91	9.0	9.1W	13 12.318	0.0003	07	-60 29 33.39	-0.008	07	0.14	12.317	14	46.3	33.36	14	46.3	B0	GC	2757	P -60 1791
92	9.6	9.7W	13 13.738	0.0016	12	-62 1 39.36	-0.004	12	0.15	13.732	14	46.3	39.34	14	46.3	A0	GC	2758	P -61 1540
93	9.3	8.7W	13 15.487	-0.0341	12	-62 20 20.73	0.113	07	0.14	15.612	14	46.3	21.14	14	46.3	G5	GC	2759	P -61 1541
94		7.9T	13 42.972	0.0053	12	-67 2 12.50	0.000	11	0.61	42.700	18	98.8	12.51	15	95.9	G5	GC	14094K	P*-66 1209
95	8.7	8.5W	13 49.424	-0.0007	07	-60 29 17.94	-0.021	07	0.14	49.427	14	46.3	17.86	14	46.3	F5	GC	2760	P -60 1799
96		7.4T	13 54.837	0.0014	10	-62 17 15.03	-0.006	08	0.44	54.778	18	06.8	14.76	15	03.7	B9	GC	14108	P -61 1553
97		8.2	14 0.702	0.0108	33	-69 23 15.57	0.031	43	2.28	0.090	75	93.2	17.30	57	93.2		M3	1312	
98	9.2	9.5W	14 1.486	-0.0029	13	-60 3 9.47	-0.004	13	0.15	1.497	14	46.3	9.46	14	46.3	A0	GC	2762	P -59 2003
99	9.4	9.6W	14 20.427	-0.0027	07	-60 27 47.71	-0.015	07	0.14	20.437	14	46.3	47.66	14	46.3	A2	GC	2763	P -60 1807
00	8.1	8.4W	14 21.925	-0.0007	07	-63 30 51.50	-0.021	07	0.14	21.928	14	46.3	51.42	14	46.3	A0	GC	2764	P -63 1348

250900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 10H DM NUMBER
1	9.7	9.6W	10 14 49.149	-0.0052	12	-63 39 51.18	-0.015	12	0.15	49.168	14	46.3	51.12	14	46.3	F5	C0	2765	F -63 1351
2	9.0	9.3W	14 52.642	-0.0022	07	-62 38 19.56	-0.006	07	0.14	52.650	14	46.3	19.54	14	46.3	A0	C0	2766	F -62 1498
3		8.7	15 0.859	-0.0071	25	-65 17 27.11	-0.044	36	1.64	1.212	53	00.4	24.93	63	00.4		M4	2269	F -64 1234
4		8.5T	15 2.335	-0.0016	13	-62 3 22.15	0.009	12	0.55	2.401	18	09.4	22.54	17	08.5	F5	GC	14128	F -61 1563
5		3.4M	15 24.581	-0.0037	03	-61 4 55.08	0.003	02	0.12	24.714	07	14.2	55.19	06	13.8	K5	F4	1264	F -60 1817
6	9.2	9.5W	15 26.714	-0.0001	07	-61 25 48.46	-0.000	07	0.14	26.715	14	46.3	48.46	14	46.3	B8	C0	2769	F -61 1565
7		6.8T	16 1.269	-0.0009	10	-65 10 44.53	-0.027	10	0.53	1.224	19	00.5	43.16	18	99.1	A0	GC	14148	F -64 1238
8	9.7	8.5W	16 8.110	-0.0217	07	-63 8 25.70	0.010	07	0.14	8.190	14	46.3	25.73	14	46.3	K0	C0	2770	F -62 1509
9	9.5	9.9W	16 11.028	-0.0023	13	-60 1 16.77	-0.003	13	0.15	11.037	14	46.3	16.76	14	46.3	A0	C0	2771	F -59 2029
10	9.3	9.5W	16 22.068	-0.0006	07	-63 4 51.75	0.008	07	0.14	22.070	14	46.3	51.74	14	46.3	B9	C0	2772	F -62 1514
11	9.1	9.5W	17 4.522	-0.0013	06	-60 9 51.77	-0.003	06	0.14	4.527	14	46.3	51.76	14	46.3	A0	C0	2773	F -59 2043
12	9.6	9.9W	17 4.619	-0.0031	07	-63 2 59.01	-0.021	07	0.14	4.630	14	46.3	58.94	14	46.3	B3	C0	2774	F -62 1520
13	9.0	9.4W	17 6.464	0.0025	06	-61 25 8.21	-0.012	06	0.14	6.454	14	46.3	8.16	14	46.3	A2	C0	2775	F -61 1576
14		8.6	17 12.647	-0.0052	25	-69 10 47.88	-0.061	36	1.79	12.931	53	95.3	44.52	63	95.3		M4	2278	F -68 1100
15		8.3	17 22.481	-0.0152	25	-66 42 15.92	-0.059	36	1.70	23.267	53	98.3	12.85	63	98.3		M4	2279	F -66 1223
16	9.7		17 30.043	-0.0005	13	-60 33 46.84	0.005	13	0.15	30.045	14	46.3	46.86	14	46.3	B8	C0	2776	F -60 1841
17		6.2T	17 31.675	-0.0061	09	-64 25 29.68	0.003	07	0.47	31.987	17	99.0	29.85	15	93.3	A0	GC	14184K	F*-64 1248
18	9.0	9.5W	17 32.948	-0.0024	07	-60 18 47.37	-0.003	07	0.14	32.957	14	46.3	47.36	14	46.3	A0	C0	2777	F -59 2047
19	7.7	8.2W	17 32.953	-0.0014	06	-60 51 23.46	0.001	06	0.14	32.955	14	46.3	23.46	14	46.3	B8	C0	2778	F -60 1842
20		8.5T	17 53.810	-0.0055	17	-61 56 37.25	0.000	12	0.65	54.040	19	08.5	37.26	18	05.6	A5	GC	14187	F -61 1584
21		6.6T	18 9.662	-0.0090	11	-64 53 7.10	0.009	10	0.53	9.664	19	03.4	7.51	18	01.4	K2	GC	14195	F -64 1250
22	9.1	8.9W	18 30.917	-0.0047	07	-61 23 27.64	0.007	07	0.14	30.934	14	46.3	27.66	14	46.3	F2	C0	2780	F -61 1587
23		7.1T	18 37.008	-0.0014	14	-66 54 58.13	-0.007	09	0.63	37.074	21	02.5	57.75	19	95.0	B9	GC	14207K	F*-66 1226
24	7.5	8.0W	18 46.211	-0.0025	06	-63 5 4.29	-0.015	06	0.14	46.220	14	46.3	4.24	14	46.3	A0	C0	2781	F -62 1531
25		7.6T	18 48.899	0.0002	13	-65 48 42.46	0.005	11	0.58	48.888	19	04.6	42.72	18	02.4	A0	GC	14215	F -65 1305
26	9.6	9.8W	19 12.071	-0.0025	06	-63 4 8.86	0.047	06	0.14	12.080	14	46.3	9.03	14	46.3	A0	C0	2782	F -62 1534
27	9.1	8.5W	19 14.330	-0.0272	06	-63 11 48.46	0.073	06	0.14	14.430	14	46.3	48.74	14	46.3	G5	C0	2783	F -62 1535
28		8.6T	19 23.026	-0.0069	13	-67 16 24.15	0.003	12	0.68	23.368	22	00.3	24.31	22	98.9	A	GC	14235K	F -66 1231
29	9.1	8.9W	19 26.191	-0.0080	07	-62 46 45.13	0.001	07	0.14	26.220	14	46.3	45.13	14	46.3	A5	C0	2784	F -62 1538
30		7.6T	19 44.606	-0.0007	10	-64 56 35.74	-0.002	09	0.52	44.643	19	99.6	35.62	18	99.7	A0	GC	14242	F -64 1252
31	9.3	8.4W	20 14.196	-0.0045	06	-61 47 0.40	0.038	06	0.14	14.213	14	46.3	0.54	14	46.3	G5	C0	2786	F -61 1604
32		7.5T	20 25.453	-0.0019	12	-61 35 49.91	-0.047	09	0.54	25.541	19	04.6	47.59	18	00.3	M0	GC	14257	F -61 1606
33	9.6	9.3W	20 29.566	-0.0094	07	-63 20 59.18	-0.012	07	0.14	29.600	14	46.3	59.13	14	46.3	B9	C0	2789	F -62 1547
34		8.3	20 39.827	-0.0031	33	-65 26 16.66	0.006	43	2.28	40.002	75	93.2	17.01	57	93.2		M3	1329	
35	8.4	8.7W	20 49.018	-0.0011	12	-62 5 59.23	0.002	12	0.15	49.022	14	46.3	59.24	14	46.3	A0	C0	2790	F -61 1611
36		7.9T	20 55.825	-0.0020	14	-61 49 11.55	-0.003	11	0.62	55.916	21	05.1	11.41	19	00.6	A0	GC	14270	F -61 1612
37		8.6T	21 12.874	-0.0016	14	-60 24 58.22	0.023	12	0.70	12.951	22	01.5	59.41	22	99.0	M0	GC	14278	F -60 1873
38	9.5	9.4W	21 17.856	-0.0039	06	-63 8 53.34	-0.001	06	0.14	17.870	14	46.3	53.33	14	46.3	F0	C0	2793	F -62 1553
39	8.6	7.6W	21 21.734	-0.0002	06	-61 0 43.75	0.003	06	0.14	21.735	14	46.3	43.76	14	46.3	K0	C0	2794	F -60 1874
40		5.3T	21 29.054	-0.0040	06	-66 38 53.57	-0.001	04	0.24	29.215	09	09.5	53.53	09	03.7	B8	GC	14283	F*-66 1243
41		8.3T	21 40.301	-0.0030	12	-61 27 47.67	-0.009	10	0.55	40.437	19	05.1	47.25	17	02.3	K0	GC	14289	F -61 1622
42	9.8	9.9W	21 50.665	-0.0016	07	-63 11 31.83	0.001	07	0.14	50.670	14	46.3	31.83	14	46.3	B3	C0	2797	F -62 1557
43	8.7	8.1W	21 58.596	0.0005	06	-61 18 56.08	-0.005	06	0.14	58.594	14	46.3	56.06	14	46.3	G0	C0	2798	F -60 1881
44	8.9	9.1W	22 5.946	-0.0011	07	-61 44 52.90	-0.016	07	0.14	5.943	14	46.3	52.84	14	46.3	B3	C0	2799	F -61 1626
45		7.9T	22 39.272	-0.0030	14	-61 17 52.37	0.002	10	0.56	39.397	19	08.7	52.47	18	05.3	A0	GC	14304	F -60 1890
46		8.0T	22 48.616	-0.0033	12	-67 52 33.10	-0.005	12	0.63	48.778	19	00.0	32.84	19	98.3	A0	GC	14310	F -67 1320
47		8.2	22 54.804	-0.0033	25	-69 39 50.72	-0.029	36	1.44	54.945	53	07.3	49.47	63	07.3		M4	2301	F -69 1235
48	9.9	9.9W	23 31.731	-0.0002	12	-63 5 45.34	0.000	12	0.15	31.730	14	46.3	45.34	14	46.3	B0	C0	2801	F -62 1567
49	8.7	8.8W	23 48.839	-0.0025	07	-63 51 41.97	-0.014	07	0.14	48.848	14	46.3	41.92	14	46.3	B9	C0	2802	F -63 1403
50	7.7	8.1W	23 59.967	0.0006	06	-60 34 39.74	0.004	06	0.14	59.965	14	46.3	39.76	14	46.3	B9	C0	2803	F -60 1902
51	9.7	9.6W	10 24 13.927	0.0018	07	-62 54 17.71	-0.022	07	0.14	13.920	14	46.3	17.63	14	46.3	A3	C0	2804	F -62 1572
52	9.6	9.6W	24 17.006	-0.0004	06	-60 7 23.51	-0.013	06	0.14	17.007	14	46.3	23.46	14	46.3	B0	C0	2805	F -59 2126
53		8.7	24 23.726	-0.0282	25	-69 7 16.77	-0.011	36	1.79	25.268	53	95.3	16.14	63	95.3		M4	2304	F -68 1144
54	9.2	7.9W	24 25.972	-0.0024	06	-62 36 16.48	0.016	06	0.14	25.980	14	46.3	16.53	14	46.3	K0	C0	2806	F -62 1573
55		8.9	24 31.250	-0.0042	25	-67 21 51.28	-0.090	36	1.79	31.478	53	95.4	46.37	63	95.4		M4	2305	F -66 1262
56		7.5T	24 32.953	-0.0054	11	-63 2 37.54	-0.012	12	0.59	33.208	21	02.3	36.98	21	01.8	A0	GC	14348	F -62 1577
57	9.0	9.3W	24 37.857	-0.0022	07	-60 51 49.26	-0.001	07	0.14	37.865	14	46.3	49.26	14	46.3	A0	C0	2809	F -60 1904
58		7.6T	25 6.085	-0.0013	12	-64 5 47.41	0.003	11	0.57	6.146	21	02.9	47.56	19	01.4	A0	GC	14366	F -63 1411
59	9.6	8.9W	25 20.683	-0.0106	06	-61 44 57.37	-0.088	06	0.14	20.723	14	46.3	57.04	14	46.3	G5	C0	2811	F -61 1657
60	10.3		25 20.708	-0.0060	13	-63 21 7.28	0.016	13	0.15	20.730	14	46.3	7.33	14	46.3	A0	C0	2812	F -62 1582
61		7.8T	25 26.724	-0.0153	13	-61 45 44.79	-0.105	11	0.61	27.460	18	02.0	39.36	17	98.1	F8	GC	14371	F -61 1659
62		8.3	25 34.038	-0.0090	25	-64 46 59.18	-0.006	36	1.47	34.432	53	06.4	58.90	63	06.4		M4	2308	F -64 1299
63		8.5	25 35.019	-0.0037	25	-69 37 38.97	-0.015	36	1.64	34.835	53	00.3	38.21	63	00.3		M4	2309	F -69 1251
64	9.2	9.5W	25 40.751	-0.0015	07	-60 26 59.00	-0.010	07	0.14	40.757	14	46.3	58.96	14	46.3	B9	C0	2814	F -60 1911
65		8.5T	25 49.508	-0.0039	09	-63 16 3.95	-0.002	08	0.47	49.701	18	99.9	3.87	17	98.7	A2	GC	14382	F -62 1588
66		6.2T	25 50.540	-0.0126	06	-65 26 57.42	0.018	05	0.26	51.081	10	07.0	58.28	10	02.5	A0	GC	14383	F -65 1354
67		7.0T	25 52.895	-0.0031	11	-62 46 2.04	0.014	10	0.54	53.044	21	01.3	2.76	18	00.0	K2	GC	14384	F -62 1589
68	8.7	9.0W	25 53.820	-0.0019	07	-60 16 29.71	-0.012	07	0.14	53.827	14	46.3	29.66	14	46.3	B9	C0	2817	F -59 2148
69		6.7T	26 36.266	-0.0025	10	-62 54 31.15	-0.007	09	0.53	36.389	19	00.1	30.81	18	98.7	B3F	GC	14398	F*-62 1595
70		9.0	26 39.137	-0.0182	25	-66 31 3.64	-0.045	36	1.70	40.078	53	98.3	1.30	63	98.3		M4	2313	F -66 1281
71	9.4	9.1W	26 52.997	0.0007	07	-61 25 51.39	-0.037	07	0.14	52.994	14	46.3	51.26	14	46.3	A5	C0	2819	F -61 1671
72		8.6	26 58.105	0.0007	25	-68 42 57.32	-0.001	36	1.67	58.068	53	99.3	57.27	63	99.3		M4	2315	F -68 1164
73		7.8T	27 2.319	-0.0005	13	-60 38 18.75	-0.009	10	0.55	2.342	19	07.1	18.35	18	04.1	B3	GC	14405	F*-60 1925
74		9.4T	27 2.886	-0.0020	12	-62 19 55.91	0.016	10	0.50	2.972	17	07.7	56.63	17	06.1	A0	GC	14406K	F -61 1676
75	10.2		27 2.939	-0.0004	12	-63 3 31.53	0.028	12	0.15	2.940	14	46.3	31.63	14	46.3	A0	C0	2821	F -62 1597
76		8.8T	27 4.917	-0.0031	12	-62 19 39.88	-0.002	10	0.51	5.047	18	08.4	39.81	15	06.8	A0	GC	14408K	F -61 1677
77		8.3T	27 5.954	0.0015	12	-62 17 33.17	0.010	11	0.64	5.879	21	98.6	33.73	19	95.2		GC	14411	F -61 1678
78	9.6	9.9W	27 12.564	-0.0024	14	-60 43 7.08	0.021	14	0.15	12.555	14	46.3	7.16	14	46.3	A0	C0	2825	F -60 1930
79		5.2T	27 12.641	-0.0015	08	-63 54 57.40	0.002	07	0.32	12.698	14	12.2	57.48	12	09.4	K5	GC	14419	F*-63 1445
80	8.9	9.2W	27 22.950	-0.0019	07	-60 20 37.27	-0.002	07	0.14	22.957	14	46.3	37.26	14	46.3	A0	C0	2827	F -59 2163
81		6.5T	27 25.482	0.0071	11	-64 55 13.15	0.032	07	0.49	25.142	21	01.8	14.94	18	93.4	M0	GC	14426	F -64 1310
82	8.9	8.5W	27 51.242	-0.0001	09	-61 51 10.03	0.002	09	0.14	51.243	14	46.3	10.04	14	46.3	A5	C0	2828	F -61 1686
83	9.7	9.9W	27 54.781	-0.0004	15	-62 23 10.70	0.011	15	0.15	54.782	14	46.3	10.74	14	46.3	A5	C0	2829	F -62 1607
84	9.2	9.5W	28 7.037	-0.0021	07	-60 51 3.99	-0.009	07	0.14	7.045	14	46.3	3.96	14	46.3	B9	C0	2830	F -60 1938
85	10.0	9.9W	28 12.546	-0.0016	09	-62 26 19.05	-0.001	09	0.14	12.552	14	46.3	19.04	14	46.3	A0	C0	2831	F -62 1611
86		8.4T	28 15.285	-0.0021	17	-62 27 21.99	-0.014	16	0.73	15.376	22	07.0	21.42	21	08.1	F0	GC	14438	F -62 1612
87		8.9T	28 27.462	0.0050	17	-62 13 57.10	-0.006	18	0.70	27.269	18	11.1	56.88	18	11.8	A2	GC	14449	F -61 1694
88	9.5	9.2W	28 33.830	-0.0046	07	-60 6 29.77	-0.002	07	0.14	33.847	14	46.3	29.76	14	46.3	F5	C0	2834	F -59 2183
89		6.4T	28 35.461	-0.0034	13	-66 43 40.48	-0.013	12	0.67	35.628	22	00.4	39.80	21	97.3	B5	GC	14445	F*-66 1291
90	9.3	9.2W	28 43.057	-0.0035	07	-63 17 58.71	-0.020	07	0.14	43.070	14	46.3	58.63	14	46.3	F5	C0	2835	F -62 1615
91	7.1	7.5W	28 46.786	0.0004	06	-61 4 45.60	-0.011	06	0.14	46.785	14	46.3	45.56	14	46.3	B9	C0	2836	F -60 1944
92		6.7Q	28 52.203	-0.0001	12	-61 5 57.76	0.019	09	0.53	52.208	19	06.5	58.67	17	02.8	M0	GC	14450	F -60 1945
93		8.5	29 7.098	-0.0132	33	-66 32 52.22	-0.062	43	2.27	7.846	75	93.3	52.08	57	93.3		M3	1348	
94	7.6	8.2W	29 11.669	0.0039	07	-61 21 21.91	-0.013	07	0.14	11.655	14	46.3	21.96	14	46.3	A0	C0	2838	F -60 1948
95	8.6	8.3W	29 20.449	0.0012	06	-61 19 7.79	-0.007	06	0.14	20.444	14	46.3	7.76	14	46.3	B9	C0	2839	F -60 1949
96	9.8	9.8W	29 22.320	-0.0021	06	-63 55 25.39	-0.018	06	0.14	22.328	14	46.3	25.32	14	46.3	B9	C0	2840	F -63 1459
97	10.0	9.9W	29 23.568	0.0055	12	-63 32 1.81	0.004	12	0.15	23.548	14	46.3	1.82	14	46.3	A2	C0	2841	F -63 1458
98		7.6T	29 35.557	-0.0024	12	-67 26 42.72	-0.015	11	0.65	35.689	17	94.8	41.86	14	92.0	B9	GC	14472	F -67 1375
99		7.7T	29 39.587	-0.0012	12	-68 38 23.54	-0.010	12	0.63	39.645	21	00.6	23.01	21	99.3	A0	GC	14473K	F*-68 1184
00	8.4	8.2W	29 41.548	-0.0008	07	-62 42 56.09	-0.015	07	0.14	41.551	14	46.3	56.04	14	46.3	A5	C0	2843	F -62 1621

251000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 10H DM NUMBER
1	9.7	9.8W	10 29 43.154	-0.0091	13	-64 7 45.27	-0.013	13	0.15	43.188	14	46.3	45.22	14	46.3	A0	CO	2844	P -63 1462
2	9.2	9.5W	29 50.450	-0.0020	07	-60 1 43.36	-0.001	07	0.14	50.457	14	46.3	43.36	14	46.3	BE	CO	2845	P -59 2193
3	9.4	9.7W	29 55.919	-0.0003	07	-62 59 22.74	-0.003	07	0.14	55.920	14	46.3	22.73	14	46.3	B5	CO	2846	P -62 1622
4	9.5	9.3W	30 1.847	-0.0008	06	-63 13 54.93	-0.006	06	0.14	1.850	14	46.3	54.90	14	46.3	F8	CO	2847	P -62 1624
5		7.7T	30 8.514	0.0011	12	-63 40 57.74	-0.001	11	0.57	8.463	21	03.1	57.67	19	01.4	B0	GC	14485	P -63 1465
6		3.6M	30 14.487	-0.0028	03	-61 25 39.68	0.006	02	0.10	14.583	05	15.7	39.87	05	16.3	B5F	F4	397	P -61 1704
7	9.0	9.2W	30 39.583	-0.0005	09	-61 3 29.20	0.008	09	0.14	39.585	14	46.3	29.24	14	46.3	B9	CO	2850	P -60 1962
8	9.5	9.6W	31 8.180	-0.0007	09	-61 38 43.98	0.010	09	0.14	8.183	14	46.3	44.01	14	46.3	B9	CO	2851	P -61 1707
9	8.9	9.3W	31 9.339	-0.0016	06	-61 16 24.04	-0.003	06	0.14	9.345	14	46.3	24.03	14	46.3	B3	CO	2852	P -61 1967
10	9.8	9.9W	31 12.019	0.0010	13	-60 35 11.82	0.005	13	0.15	12.015	14	46.3	11.84	14	46.3	B3	CO	2853	P -60 1968
11	10.1	8.6W	31 37.414	-0.0029	06	-60 52 45.36	-0.006	06	0.14	37.425	14	46.3	45.33	14	46.3	K5	CO	2854	P -60 1976
12	9.9		31 38.760	-0.0069	09	-61 8 9.57	0.018	09	0.14	38.785	14	46.3	9.64	14	46.3	B3	CO	2855	P -60 1977
13		8.1T	31 48.986	0.0005	12	-65 6 36.41	-0.010	12	0.62	48.962	21	03.3	35.96	21	99.8	B8	GC	14526	P*-64 1339
14		6.4T	32 23.404	0.0009	10	-60 43 44.00	-0.006	07	0.47	23.361	18	01.7	43.65	17	95.1	K2	GC	14540	P -60 1983
15		8.6T	32 31.737	-0.0004	16	-62 27 7.26	0.025	16	0.79	31.758	19	02.5	8.45	18	01.7	F0	GC	14544	P -62 1643
16		8.4	32 32.911	0.0036	25	-64 58 1.51	-0.027	36	1.41	32.760	53	08.4	0.38	63	08.4		M4	2332	P -64 1345
17	9.8	9.9W	32 44.993	-0.0047	13	-63 27 10.65	-0.011	13	0.15	45.010	14	46.3	10.65	14	46.3	A0	CO	2859	P -63 1499
18	7.7	8.1W	32 51.455	-0.0004	06	-60 0 46.84	-0.002	06	0.14	51.457	14	46.3	46.84	14	46.3	B2	CO	2860	P -59 2235
19		8.9	32 59.785	-0.0088	25	-68 55 59.34	0.026	36	1.67	+ 0.229	53	99.3	+ 1.28	63	99.3		M4	2335	P -68 1214
20		8.7	33 11.181	-0.0024	25	-64 56 33.25	0.002	36	1.47	11.285	53	06.4	33.34	63	06.4		M4	2334	P -64 1354
21		8.8	33 12.524	-0.0047	25	-66 54 26.71	-0.061	36	1.69	12.773	36	96.9	23.47	45	96.9		M4	2337	P -66 1326
22		7.9T	33 13.256	0.0014	11	-63 52 30.24	0.006	11	0.54	13.194	18	05.5	30.46	18	01.4	A0	GC	14562K	P -63 1501
23		8.8T	33 15.479	0.0005	12	-63 52 9.40	0.026	11	0.58	15.456	19	02.7	10.66	18	00.3	A0	GC	14564K	P -63 1503
24	8.5	8.8W	33 31.061	-0.0044	07	-63 57 43.15	-0.015	07	0.14	31.078	14	46.3	43.10	14	46.3	A0	CO	2864	P -63 1507
25		6.8	33 36.811	0.0002	25	-69 5 31.65	-0.034	36	1.86	36.798	63	94.3	29.78	75	94.3		M4	2339	P -68 1220
26	8.8	9.1W	33 51.160	-0.0021	07	-64 1 52.82	-0.007	07	0.14	51.168	14	46.3	52.80	14	46.3	A0	CO	2865	P -63 1515
27	9.6	9.5W	33 55.558	-0.0034	12	-63 27 52.04	-0.065	12	0.15	55.570	14	46.3	51.80	14	46.3	A0	CO	2866	P -63 1511
28		9.5T	33 57.992	-0.0079	14	-61 0 43.17	0.025	12	0.70	58.374	22	01.7	44.42	22	99.3	F8	GC	14580	P -60 2022
29		7.8	34 2.191	-0.0109	25	-69 33 29.71	-0.000	36	1.57	2.725	36	00.9	29.69	45	00.9		M4	2342	P -69 1306
30	8.3	8.6W	34 9.833	-0.0006	06	-61 36 15.28	-0.018	06	0.14	9.831	14	46.3	15.21	14	46.3	B5	CO	2868	P -61 1734
31	9.6		34 10.845	-0.0029	07	-60 38 3.80	-0.018	07	0.14	10.855	14	46.3	3.74	14	46.3	B9	CO	2869	P -60 2026
32	8.2	8.5W	34 15.282	-0.0016	06	-63 58 59.50	-0.002	06	0.14	15.288	14	46.3	59.50	14	46.3	B9	CO	2870	P -63 1513
33	9.7	9.8W	34 21.148	-0.0018	12	-61 25 16.13	-0.001	12	0.15	21.155	14	46.3	16.10	14	46.3	B9	CO	2871	P*-61 1736
34	9.7	9.8W	34 59.130	-0.0018	09	-60 27 32.87	-0.009	09	0.14	59.137	14	46.3	32.84	14	46.3	B8	CO	2872	P -60 2040
35	9.2	9.5W	35 37.195	0.0001	06	-61 23 52.13	0.001	06	0.14	37.195	14	46.3	52.13	14	46.3	B9	CO	2873	P -61 1749
36	8.4	8.7W	35 38.505	0.0006	07	-61 52 6.87	-0.016	07	0.14	38.503	14	46.3	6.81	14	46.3	B9	CO	2874	P -61 1750
37		8.5	35 49.710	-0.0068	25	-69 6 9.04	-0.011	36	1.44	49.998	53	07.4	8.59	63	07.4		M4	2351	P -68 1234
38	9.1	9.2W	35 52.196	0.0015	07	-63 22 15.94	-0.009	07	0.14	52.190	14	46.3	15.90	14	46.3	B8	CO	2875	P -62 1675
39		9.2T	36 5.760	-0.0011	12	-61 0 53.23	-0.009	11	0.56	5.808	19	06.2	52.80	19	04.1	B5	GC	14627	P -60 2077
40	9.6	7.8W	36 15.117	-0.0026	05	-60 17 18.86	-0.008	05	0.14	15.127	14	46.3	18.83	14	46.3	MA	CO	2877	P -59 2356
41		7.5T	36 18.830	0.0008	12	-62 47 42.18	-0.018	11	0.56	18.793	19	04.9	41.29	18	01.5	A2	GC	14635	P -62 1679
42		6.9T	36 34.346	-0.0012	11	-64 46 53.97	-0.007	10	0.55	34.402	21	01.9	53.63	18	00.0	B8	GC	14637	P -64 1374
43		7.2T	37 6.581	-0.0021	10	-64 14 14.84	-0.002	11	0.56	6.687	21	00.2	14.71	19	99.1	B9	GC	14656K	P*-63 1534
44	8.7	9.0W	37 14.453	-0.0011	05	-60 4 48.30	-0.017	05	0.14	14.457	14	46.3	48.23	14	46.3	B8	CO	2879	P -59 2378
45	8.9	7.5W	37 15.680	-0.0007	07	-61 31 54.54	-0.007	07	0.14	15.683	14	46.3	54.51	14	46.3	K0	CO	2880	P -61 1769
46		7.6	37 18.287	-0.0094	25	-64 42 50.65	0.020	36	1.54	18.738	36	01.9	51.59	45	01.9		M4	2354	P -64 1383
47	9.2	9.4W	37 21.195	-0.0016	07	-63 24 8.89	-0.023	07	0.14	21.200	14	46.3	8.80	14	46.3	A0	CO	2881	P -63 1539
48		9.5T	37 26.259	0.0043	17	-62 29 26.02	-0.002	16	0.75	26.075	22	06.6	25.92	22	05.7	A2	GC	14666	P -62 1695
49	9.2	7.6W	37 33.912	-0.0008	06	-60 49 26.56	-0.007	06	0.14	33.915	14	46.3	26.54	14	46.3	G5	CO	2884	P -60 2127
50		6.6T	37 36.872	-0.0032	11	-63 51 3.40	-0.004	09	0.53	37.031	21	00.9	3.18	18	00.8	B9	GC	14669	P -63 1542
51		7.1T	10 37 37.260	-0.0018	13	-60 43 29.12	-0.004	09	0.53	37.338	19	06.7	28.91	18	02.8	B3	GC	14671	P -60 2122
52	8.3	8.4W	37 38.348	-0.0064	07	-63 31 1.66	0.012	07	0.14	38.368	14	46.3	1.75	14	46.3	A5	CO	2887	P -63 1544
53		9.1T	37 40.266	0.0153	17	-62 0 47.43	-0.021	17	0.74	39.628	21	08.2	46.53	21	08.0	F8	GC	14672	P -61 1772
54	9.3	9.5W	37 42.917	-0.0048	07	-61 19 46.94	-0.007	07	0.14	42.935	14	46.3	46.93	14	46.3	A2	CO	2889	P -60 2123
55	8.8	8.6W	37 48.461	0.0028	07	-63 25 52.30	-0.026	07	0.14	48.450	14	46.3	52.20	14	46.3	F0	CO	2890	P -63 1552
56	8.9	9.1W	37 49.136	0.0003	07	-61 1 51.19	0.011	07	0.14	49.135	14	46.3	51.23	14	46.3	B8	CO	2891	P -60 2125
57	8.5	8.6W	37 58.906	-0.0024	07	-60 44 5.62	0.005	07	0.14	58.915	14	46.3	5.63	14	46.3	A0	CO	2892	P -60 2129
58	9.0	9.4W	38 20.012	-0.0012	14	-60 12 42.89	0.013	14	0.15	20.017	14	46.3	42.93	14	46.3	A	CO	2893	P -59 2409
59		5.8T	38 27.163	-0.0036	08	-64 50 20.64	-0.001	07	0.32	27.297	14	12.7	20.66	12	09.0	A0F	GC	14685	P -64 1403
60	9.3	7.9W	38 34.744	-0.0012	07	-63 44 49.96	0.015	07	0.14	34.744	14	46.3	50.00	14	46.3	K0	CO	2895	P -63 1558
61	8.8	9.2W	38 56.121	-0.0011	13	-61 20 19.30	0.009	13	0.15	56.125	14	46.3	19.34	14	46.3	B8	CO	2896	P -60 2150
62		6.9T	38 56.533	-0.0031	11	-64 23 31.23	-0.013	10	0.55	56.684	21	01.5	30.54	18	99.1	B9	GC	14697	P -64 1408
63		9.1	38 59.289	-0.0137	25	-66 42 59.25	-0.036	36	1.68	+ 0.011	36	97.3	57.37	45	97.3		M4	2357	P -66 1364
64	9.1	9.4W	39 20.138	0.0002	08	-60 24 29.20	0.008	08	0.14	20.137	14	46.3	29.24	14	46.3	B8	CO	2897	P -60 2159
65		8.0	39 20.195	-0.0046	25	-65 50 4.81	0.000	36	1.40	20.385	53	08.9	4.82	63	08.9		M4	2360	P -65 1457
66		7.0T	39 20.286	-0.0026	10	-64 12 46.50	-0.001	11	0.55	20.417	21	99.9	46.42	19	99.6	B5	GC	14705	P -63 1573
67	8.6	8.8W	39 35.529	-0.0018	07	-60 46 5.18	-0.012	07	0.14	35.535	14	46.3	5.14	14	46.3	A0	CO	2898	P -60 2162
68	10.1	8.8W	39 38.856	-0.0006	07	-63 31 5.13	-0.036	07	0.14	38.858	14	46.3	5.09	14	46.3	K2	CO	2899	P -63 1578
69	8.7	8.2W	39 43.373	-0.0006	07	-61 14 8.32	-0.012	07	0.14	43.375	14	46.3	8.23	14	46.3	G5	CO	2900	P -60 2166
70		7.4T	39 47.916	-0.0025	11	-63 50 41.08	-0.011	11	0.56	48.038	21	01.4	40.51	18	00.7	B9	GC	14717	P -63 1583
71	8.9	9.1W	40 0.577	0.0004	07	-61 9 33.73	0.002	07	0.14	0.575	14	46.3	33.73	14	46.3	B5	CO	2902	P -60 2171
72		8.8	40 3.161	-0.0068	25	-67 38 22.48	-0.067	36	1.76	3.525	53	96.3	18.89	63	96.3		M4	2362	P -67 1456
73	8.6	8.8W	40 4.099	-0.0016	07	-60 48 12.98	0.013	07	0.14	4.105	14	46.3	13.03	14	46.3	B9	CO	2903	P -60 2176
74	9.4	9.4W	40 8.274	0.0010	07	-62 41 3.92	-0.005	07	0.14	8.271	14	46.3	3.90	14	46.3	A0	CO	2904	P -62 1718
75		7.3T	40 11.151	-0.0031	12	-63 14 43.49	-0.013	10	0.56	11.296	21	02.6	42.82	18	99.5	A5	GC	14725K	P*-62 1725
76	9.3	9.5W	40 22.860	-0.0007	07	-61 38 10.70	0.002	07	0.14	22.863	14	46.3	10.71	14	46.3	B8	CO	2906	P -61 1812
77	9.2	9.3W	40 25.936	0.0002	14	-60 39 9.27	-0.011	14	0.15	25.935	14	46.3	9.23	14	46.3	B8	CO	2907	P -60 2183
78		5.2T	40 27.292	-0.0035	05	-64 12 15.56	0.014	04	0.22	27.434	09	09.8	16.16	09	05.3	B3	GC	14733	P*-63 1589
79		8.2T	40 38.061	-0.0038	11	-64 8 12.01	0.013	11	0.56	38.245	21	01.7	12.63	18	01.3	B9	GC	14738	P -63 1592
80		8.4T	40 40.630	0.0097	18	-61 56 15.33	-0.002	15	0.80	40.196	24	05.1	15.22	24	03.6	K5	GC	14739	P -61 1817
81		7.6T	41 9.969	-0.0026	10	-60 43 28.72	-0.014	08	0.49	10.090	18	03.6	27.99	18	98.9	B3	GC	14754	P -60 2199
82	9.6	9.3W	41 10.010	0.0020	07	-61 57 31.49	0.032	07	0.14	10.003	14	46.3	31.61	14	46.3	F5	CO	2910	P -61 1826
83		3.0M	41 10.052	-0.0032	02	-64 7 55.36	0.008	02	0.10	10.184	05	09.2	55.67	05	10.7	B0	F4	406	P -63 1599
84	9.3	9.6W	41 11.618	0.0002	11	-60 18 29.39	0.012	11	0.15	11.617	14	46.3	29.43	14	46.3	B9	CO	2911	P -59 2516
85		6.9T	41 15.973	-0.0016	10	-60 54 21.82	-0.004	08	0.46	16.048	18	03.1	21.60	17	98.4	B5	GC	14756K	P*-60 2203
86		6.3W	41 16.189	-0.0016	07	-60 54 33.80	0.009	07	0.14	16.195	14	46.3	33.84	14	46.3		CO	2913	P -60 2203
87	8.0	8.3W	41 19.400	-0.0013	06	-60 53 1.10	-0.011	06	0.14	19.405	14	46.3	1.14	14	46.3	B5	CO	2914	P -60 2204
88	9.0	9.1W	41 29.028	-0.0008	07	-62 44 46.70	-0.026	07	0.14	29.031	14	46.3	46.66	14	46.3	A0	CO	2916	P -62 1728
89	8.5	8.3W	41 33.750	-0.0045	07	-60 3 8.45	0.023	07	0.14	33.767	14	46.3	8.53	14	46.3	F2	CO	2917	P -59 2528
90		4.5T	41 37.657	-0.0040	09	-60 18 14.13	0.003	05	0.32	37.809	12	11.6	14.25	12	03.2	K5	GC	14762	P*-59 2532
91	9.6	9.7W	41 38.104	0.0023	14	-61 8 21.77	0.018	14	0.15	38.095	14	46.3	21.83	14	46.3	B8	CO	2919	P -60 2214
92		7.8T	41 41.068	-0.0051	11	-63 48 22.20	-0.020	10	0.55	41.314	21	01.8	21.19	18	01.0	A0	GC	14763	P -63 1613
93	9.4	7.9W	41 47.785	0.0040	07	-63 23 0.72	-0.003	07	0.14	47.775	14	46.3	0.70	14	46.3	K5	CO	2921	P -62 1731
94		8.4	41 53.801	-0.0004	33	-65 12 58.38	0.036	43	2.29	53.821	63	92.5	+ 0.45	57	92.6		M3	1378	
95		6.1T	42 3.059	-0.0016	11	-63 59 10.24	0.002	10	0.53	3.138	21	01.4	10.36	19	00.6	B3	GC	14769	P*-63 1619
96		5.1T	42 18.066	-0.0023	07	-63 41 53.67	0.009	06	0.29	18.159	12	09.9	54.04	12	06.7	B3	GC	14778	P*-63 1623
97	8.6	8.8W	42 28.063	-0.0027	07	-61 48 25.56	0.015	07	0.14	28.073	14	46.3	25.61	14	46.3	B3	CO	2924	P -61 1842
98	8.3	8.6W	42 33.162	-0.0009	07	-61 6 1.50	0.009	07	0.14	33.165	14	46.3	1.53	14	46.3	A0	CO	2925	P -60 2247
99	9.5	8.6W	42 39.876	-0.0024	07	-61 18 54.95	-0.005	07	0.14	39.885	14	46.3	54.93	14	46.3	K0	CO	2926	P -60 2242
100		8.7	42 43.914	-0.0047	33	-68 19 25.42	-0.000	43	2.31	44.186	75	92.2	25.40	53	92.2		M3	1382	

251100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 10H DM NUMBER
1	8.7	9.1W	10 42 44.752	-0.0036	07	-60 42 8.51	0.006	07	0.14	44.765	14	46.3	8.53	14	46.3	B9	CO	2927	P -60 2244
2		8.2	42 49.703	-0.0036	25	-66 24 43.64	-0.056	36	1.70	49.891	53	98.3	40.75	63	98.3	M4	2371		P -66 1399
3	9.3	8.2W	42 51.492	-0.0017	07	-63 32 47.59	-0.026	07	0.14	51.498	14	46.3	47.50	14	46.3	K0	CO	2928	P -63 1629
4		8.8	42 58.767	-0.0007	25	-67 59 3.73	0.003	36	1.67	58.802	53	99.3	3.87	63	99.3	M4	2374		P -67 1485
5	9.0	9.3W	43 31.520	-0.0007	07	-62 29 10.26	-0.012	07	0.14	31.523	14	46.3	10.21	14	46.3	A0	CO	2929	P -62 1739
6	9.5	9.2W	43 39.158	-0.0053	12	-63 57 57.00	-0.000	12	0.15	39.178	14	46.3	57.00	14	46.3	G0	CO	2930	P -63 1637
7	8.0	8.2W	43 55.534	-0.0003	07	-61 20 27.83	0.000	07	0.14	55.535	14	46.3	27.83	14	46.3	B5	CO	2931	P -60 2265
8		8.3	44 9.968	-0.0027	25	-67 52 4.68	-0.081	36	1.69	10.110	36	97.2	0.39	45	97.1		M4	2377	P -67 1494
9		8.5T	44 16.321	-0.0005	16	-62 34 21.96	0.017	15	0.71	16.340	22	06.3	22.68	21	06.9	F8	GC	14824	P -62 1746
10		9.0T	44 18.082	-0.0053	18	-63 46 36.87	-0.016	18	0.86	18.320	24	05.1	36.13	24	04.8	K5	GC	14825	P -63 1641
11		7.5T	44 18.890	-0.0035	13	-61 40 41.49	-0.018	11	0.67	19.067	21	99.8	40.49	19	95.2	B5	GC	14827	P -61 1865
12	8.8	9.3W	44 20.392	-0.0009	07	-60 38 18.34	-0.001	07	0.14	20.395	14	46.3	18.33	14	46.3	B9	CO	2936	P -60 2272
13		6.5T	44 21.303	-0.0080	12	-60 20 21.93	-0.012	08	0.51	21.660	19	05.2	21.27	18	96.1	A0	GC	14830	P -59 2671
14		9.8T	44 26.691	-0.0060	18	-63 34 21.40	-0.005	20	0.89	26.960	24	05.2	21.15	24	04.9	M0	GC	14836	P -63 1645
15		5.5T	44 27.539	-0.0032	08	-64 15 3.80	-0.009	08	0.35	27.664	14	11.2	3.41	14	08.8	B5	GC	14837	P*-63 1646
16		7.0T	44 34.501	-0.0042	12	-63 2 6.91	-0.070	10	0.52	34.681	18	06.7	3.59	18	02.7	K0	GC	14841	P -62 1749
17		5.4T	44 40.048	-0.0007	07	-63 59 57.98	0.008	07	0.31	40.078	12	09.1	58.31	12	06.4	B8	GC	14844	P -63 1649
18	9.4	9.1W	44 56.413	-0.0006	07	-60 55 40.19	0.011	07	0.14	56.415	14	46.3	40.23	14	46.3	B8	CO	2941	P -60 2275
19		8.9	44 59.281	0.1003	25	-66 33 28.31	-0.059	36	1.44	55.005	53	07.4	25.81	63	07.4		M4	2381	P -66 1412
20		5.1T	45 1.633	-0.0030	09	-64 7 9.98	0.008	07	0.35	1.754	15	10.0	10.32	14	05.5	B5	GC	14850	P*-63 1655
21		6.6T	45 9.807	-0.0036	14	-68 56 44.59	0.004	10	0.65	9.976	21	02.6	44.82	19	96.8	A2	GC	14854	P -68 1302
22	8.2	8.5W	45 12.027	-0.0026	07	-60 18 33.03	0.000	07	0.14	12.037	14	46.3	33.03	14	46.3	B9	CO	2943	P -59 2693
23		7.9T	45 19.132	-0.0027	11	-64 0 2.34	0.010	11	0.53	19.257	21	04.0	2.76	19	05.0	A0	GC	14862	P -63 1660
24		8.2	45 34.244	0.0024	25	-65 39 13.25	-0.027	36	1.82	34.112	53	94.3	11.75	63	94.3		M4	2383	P -65 1505
25		8.2T	45 42.319	-0.0005	15	-60 21 12.61	0.001	12	0.63	42.340	19	06.2	12.64	18	03.3	B2	GC	14868	P -59 2712
26		6.7T	45 50.104	-0.0045	11	-64 16 58.27	0.002	10	0.54	50.318	21	02.7	58.34	19	00.8	B3	GC	14871	P -63 1670
27		6.7T	45 52.444	-0.0042	13	-69 10 25.87	-0.037	11	0.63	52.648	22	00.9	23.96	19	97.8	B8	GC	14872	P -68 1305
28		6.5T	46 3.263	0.0001	10	-63 59 54.19	0.018	08	0.49	3.259	19	99.0	55.14	18	96.2	A0	GC	14874	P -63 1672
29	8.5	8.6W	46 11.316	0.0036	06	-61 45 40.96	-0.013	06	0.14	11.303	14	46.3	40.91	14	46.3	A0	CO	2949	P -61 1888
30		8.5T	46 15.858	-0.0091	12	-63 36 57.44	-0.029	13	0.55	16.243	19	07.7	56.21	19	08.5	K0	GC	14881	P -63 1675
31		8.3T	46 29.738	-0.0029	13	-62 17 57.09	0.009	11	0.55	29.861	19	08.1	57.48	18	05.2	A5	GC	14884	P -61 1890
32	9.3	9.6W	46 34.844	-0.0004	14	-60 40 17.37	0.016	14	0.15	34.845	14	46.3	17.43	14	46.3	B2	CO	2952	P -60 2298
33	9.8	9.8W	46 35.334	0.0026	09	-61 26 39.72	0.005	09	0.14	35.325	14	46.3	39.73	14	46.3	A0	CO	2953	P -61 1893
34	8.2	8.4W	46 42.799	-0.0017	06	-60 52 44.20	0.010	06	0.14	42.805	14	46.3	44.23	14	46.3	A0	CO	2955	P -60 2300
35		8.4T	46 50.208	-0.0030	12	-63 34 5.66	0.018	14	0.63	50.344	22	04.7	6.41	21	06.9	A0	GC	14893	P -63 1682
36	9.4	9.0W	46 56.039	-0.0105	07	-63 47 14.41	-0.029	07	0.14	56.078	14	46.3	14.30	14	46.3	F5	CO	2957	P -63 1684
37		7.5	46 57.687	0.0003	25	-67 2 26.77	-0.033	36	1.43	57.674	53	07.7	25.38	63	07.7		M4	2387	P -66 1423
38	9.4	9.0W	47 11.218	-0.0023	07	-60 27 3.03	0.000	07	0.14	11.227	14	46.3	3.03	14	46.3	A5	CO	2958	P -60 2307
39	9.2	9.3W	47 12.459	-0.0050	14	-63 59 26.25	-0.013	14	0.15	12.478	14	46.3	26.20	14	46.3	A0	CO	2959	P -63 1688
40		8.7	47 15.527	-0.0028	25	-68 30 7.21	0.008	36	1.76	15.677	53	96.3	7.63	63	96.3		M4	2388	P -68 1320
41	8.6	8.8W	47 23.554	0.0003	07	-61 34 0.32	-0.001	07	0.14	23.553	14	46.3	0.31	14	46.3	B5	CO	2960	P -61 1898
42	8.8	8.2W	47 29.661	0.0011	06	-60 1 46.64	-0.002	06	0.14	29.657	14	46.3	46.63	14	46.3	G0	CO	2961	P -59 2761
43	8.5	8.7W	47 43.265	0.0033	07	-61 46 32.52	-0.002	07	0.14	43.253	14	46.3	32.51	14	46.3	B8	CO	2962	P -61 1904
44	8.4	8.6W	48 18.276	-0.0003	07	-60 22 19.07	-0.011	07	0.14	18.277	14	46.3	19.03	14	46.3	A0	CO	2963	P -59 2772
45		7.4T	48 18.353	-0.0035	14	-62 22 13.21	0.006	10	0.55	18.500	18	08.3	13.46	17	05.9	B8	GC	14913	P -61 1908
46	9.6	9.3W	48 29.792	-0.0002	07	-61 56 34.66	-0.012	07	0.14	29.793	14	46.3	34.61	14	46.3	A2	CO	2965	P -61 1909
47	9.7	9.2W	48 38.267	-0.0064	13	-63 24 17.11	-0.002	13	0.15	38.290	14	46.3	17.10	14	46.3	A0	CO	2966	P -63 1704
48		7.0T	48 42.951	-0.0033	11	-61 0 14.25	0.011	10	0.50	43.100	19	04.9	14.77	17	01.8	B5	GC	14924	P -60 2317
49	9.1	8.9W	48 50.203	0.0020	07	-60 31 54.32	0.004	07	0.14	50.195	14	46.3	54.33	14	46.3	A3	CO	2968	P -60 2320
50	8.9	9.1W	48 59.302	0.0018	07	-61 18 21.51	0.007	07	0.14	59.295	14	46.3	21.53	14	46.3	A0	CO	2969	P -60 2321
51	8.9	8.5W	10 49 27.636	0.0036	06	-61 52 34.34	-0.036	06	0.14	27.623	14	46.3	34.21	14	46.3	F5	CO	2970	P -61 1922
52		8.3T	49 27.909	0.0060	18	-62 5 51.17	-0.010	18	0.85	27.642	24	05.3	50.71	24	05.1	K0	GC	14935	P -61 1923
53		7.4T	49 33.701	-0.0042	13	-66 32 58.26	-0.024	10	0.60	33.894	21	03.8	57.07	18	00.5	B9	GC	14938	P -66 1434
54	9.3	9.5W	49 43.997	-0.0022	12	-61 25 39.13	0.001	12	0.15	44.005	14	46.3	39.14	14	46.3	B5	CO	2972	P -61 1927
55		7.9T	49 45.656	-0.0016	13	-62 38 23.14	-0.017	12	0.59	45.725	19	05.6	22.34	18	03.4	B9	GC	14944	P -62 1787
56	7.2	7.6W	50 5.001	0.0016	07	-61 9 47.39	-0.015	07	0.14	4.995	14	46.3	47.34	14	46.3	B9	CO	2974	P -60 2338
57	9.4	9.5W	50 24.999	0.0010	09	-60 44 35.48	0.014	09	0.14	24.995	14	46.3	35.53	14	46.3	B5	CO	2975	P -60 2345
58		8.4	50 35.849	-0.0029	25	-69 37 56.68	-0.107	36	1.64	35.991	53	00.3	51.34	63	00.3		M4	2397	P -69 1418
59	8.1	8.3W	50 40.816	-0.0032	06	-64 8 52.44	-0.010	06	0.14	40.828	14	46.3	52.40	14	46.3	B9	CO	2976	P -63 1724
60	9.9	9.6W	50 48.190	-0.0015	07	-61 2 37.54	-0.003	07	0.14	48.195	14	46.3	37.53	14	46.3	F0	CO	2977	P -60 2351
61		6.6T	51 1.592	-0.0082	10	-67 56 40.57	-0.002	09	0.58	2.044	21	94.9	40.44	18	91.3	M0	GC	14975	P -67 1552
62	7.6	7.4W	51 5.599	0.0021	06	-62 49 17.88	-0.021	06	0.14	5.591	14	46.3	17.80	14	46.3	A3	CO	2978	P -62 1794
63		8.0	51 12.250	-0.0067	33	-68 51 19.17	-0.002	43	2.27	12.632	75	93.3	19.08	57	93.3		M3	1403	
64	7.1	7.4W	51 16.110	0.0014	06	-60 32 53.96	-0.007	06	0.14	16.105	14	46.3	53.93	14	46.3	B1	CO	2979	P -60 2359
65	9.6	9.5W	51 20.744	-0.0008	06	-60 11 8.69	-0.015	08	0.14	20.747	14	46.3	8.63	14	46.3	B9	CO	2980	P -59 2813
66		9.2	51 42.582	-0.0137	33	-67 12 33.78	-0.025	43	2.31	43.373	75	92.2	32.34	57	92.2		M3	1404	
67		7.9T	51 43.512	-0.0010	12	-61 23 56.41	-0.008	11	0.56	43.556	19	06.2	56.03	19	04.1	B3	GC	14991	P -61 1951
68	8.3	7.9W	52 5.535	-0.0060	06	-60 5 11.37	0.018	06	0.14	5.557	14	46.3	11.43	14	46.3	F5	CO	2982	P -59 2822
69	9.0I		52 8.613	-0.0015	15	-61 46 33.66	-0.021	12	0.65	8.681	21	05.6	32.63	19	01.6	K5	GC	15004X	P*-61 1955
70	8.2	8.4W	52 22.190	-0.0018	06	-60 29 48.77	-0.009	06	0.14	22.197	14	46.3	48.73	14	46.3	B9	CO	2984	P -60 2378
71	9.1	8.6W	52 27.332	0.0015	06	-60 18 32.63	-0.025	06	0.14	27.327	14	46.3	32.53	14	46.3	F2	CO	2985	P -59 2828
72		8.4	52 28.612	0.0003	25	-67 1 9.33	-0.058	36	1.70	28.595	53	98.4	6.33	63	98.4		M4	2405	P -66 1461
73		6.0T	52 31.334	0.0008	13	-61 33 35.06	-0.008	10	0.56	31.301	19	06.5	34.66	18	01.5	K5	GC	15011	P -61 1960
74	9.2	9.1W	52 33.679	0.0003	07	-63 42 21.26	0.012	07	0.14	33.678	14	46.3	21.30	14	46.3	F2	CO	2987	P*-63 1743
75	9.1	9.4W	52 55.241	0.0015	07	-61 11 54.23	0.000	07	0.14	55.235	14	46.3	54.23	14	46.3	B8	CO	2988	P -60 2382
76		7.8	53 14.702	-0.0097	25	-68 3 54.55	-0.040	36	1.68	15.194	53	99.3	52.51	63	99.3		M4	2408	P -67 1582
77		8.9	53 15.059	0.0052	25	-69 0 54.09	-0.014	36	1.62	14.802	53	01.1	53.42	63	01.1		M4	2409	P -68 1355
78		6.2I	53 16.980	-0.0045	08	-60 15 3.74	0.081	06	0.31	17.154	12	11.1	7.29	12	06.0	K0	GC	15026V	P*-59 2840
79	9.9	9.5W	53 28.532	-0.0017	07	-63 57 46.72	-0.006	07	0.14	28.538	14	46.3	46.70	14	46.3	B0	CO	2990	P -63 1748
80	9.7	9.7W	53 40.485	0.0000	12	-60 57 25.40	0.009	12	0.15	40.485	14	46.3	25.43	14	46.3	B3	CO	2991	P -60 2390
81			53 58.015	-0.0006	06	-60 7 30.74	-0.003	06	0.14	58.017	14	46.3	30.73	14	46.3	PEC	CO	2992V	P*-59 2855
82		8.3	53 58.581	0.0022	25	-69 23 56.53	-0.055	36	1.55	58.475	45	02.6	53.95	53	02.6		M4	2412	P -69 1442
83		8.3	53 58.612	-0.0048	25	-68 31 25.27	-0.015	36	1.79	58.874	53	95.3	24.45	63	95.3		M4	2411	P -68 1363
84	9.0	9.1W	54 3.109	0.0006	07	-60 13 35.09	-0.016	07	0.14	3.107	14	46.3	35.03	14	46.3	B3	CO	2993	P -59 2856
85		6.5I	54 10.612	-0.0002	12	-60 11 10.82	-0.016	09	0.53	10.619	19	05.5	10.01	18	00.3	PEC	GC	15044V	P*-59 2860
86	8.4	8.7W	54 14.281	0.0016	07	-61 26 26.93	0.001	07	0.14	14.275	14	46.3	26.93	14	46.3	B5	CO	2995	P -61 1969
87		7.3T	54 36.324	-0.0014	12	-61 26 29.70	-0.016	09	0.48	36.382	17	08.7	28.94	17	03.6	B0	GC	15054	P -61 1975
88		8.9	54 39.317	-0.0084	25	-65 2 7.91	0.073	36	1.70	39.757	45	97.4	11.75	53	97.4		M4	2414	P -64 1557
89	9.6	9.5W	54 52.808	-0.0020	14	-61 9 24.42	0.003	14	0.15	52.815	14	46.3	24.43	14	46.3	A3	CO	2998	P -60 2406
90	9.2	9.5W	55 3.513	0.0045	12	-60 11 17.92	0.005	12	0.15	3.497	14	46.3	17.93	14	46.3	B8	CO	2999	P -59 2873
91	9.0	8.9W	55 4.291	-0.0066	07	-60 55 14.19	0.012	07	0.14	4.315	14	46.3	14.23	14	46.3	A3	CO	3000	P -60 2410
92	9.2	9.4W	55 8.802	-0.0008	06	-60 34 39.92	0.003	06	0.14	8.805	14	46.3	39.93	14	46.3	A0	CO	3001	P -60 2411
93		7.4T	55 16.543	-0.0060	11	-68 23 59.24	0.009	11	0.61	16.861	21	97.1	59.73	19	94.7	A2	GC	15061	P -68 1373
94		9.0T	55 31.294	0.0056	20	-62 13 51.12	0.015	20	0.91	31.046	24	05.4	51.78	24	05.0	K0	GC	15064	P -61 1990
95		6.8I	55 33.956	-0.0067	10	-68 46 13.93	-0.022	09	0.57	34.331	19	94.4	12.63	17	89.6	B8	GC	15066K	P*-68 1377
96		8.9	55 37.354	0.0032	25	-69 2 51.48	-0.042	36	1.67	37.190	53	99.4	49.38	63	99.4		M4	2415	P -68 1378
97	10.0	8.8W	55 38.339	0.0015	06	-61 48 49.46	-0.013	06	0.14	38.333	14	46.3	49.41	14	46.3	K2	CO	3003	P -61 1992
98	9.4	9.4W	55 43.561	-0.0006	06	-62 28 6.66	0.015	06	0.14	43.563	14	46.3	6.71	14	46.3	B9	CO	3004	P*-62 1832
99	10.0		55 56.042	-0.0003	08	-62 15 23.03	-0.006	08	0.14	56.043	14	46.3	23.01	14	46.3	B9	CO	3005	P -61 1999
00	9.4	9.1W	56 8.803	-0.0012	14	-64 7 13.67	0.008	14	0.15	8.808	14	46.3	13.70	14	46.3	F0	CO	3006	P -63 1767

251200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 10H DM NUMBER
1	9.0	9.3W	10 56 25.611	-0.0006	06	-61 36 10.33	-0.005	06	0.14	25.613	14	46.3	10.31	14	46.3	B9	C0	3007	P*-61 2001
2	9.7	8.0W	56 44.496	0.0003	06	-60 35 40.68	-0.011	06	0.14	44.495	14	46.3	40.64	14	46.3	K2	C0	3008	P -60 2428
3		9.0	56 59.539	-0.0067	25	-67 18 4.96	-0.018	36	1.56	59.852	53	03.3	4.12	63	03.3		M4	2420	P -66 1483
4	9.6	8.5W	57 4.804	-0.0002	06	-60 51 33.94	-0.002	06	0.14	4.805	14	46.3	33.94	14	46.3	K0	C0	3009	P -60 2431
5		6.3T	57 12.849	-0.0038	11	-61 3 7.51	0.015	07	0.48	13.023	19	04.3	8.28	17	97.5	B9	C	15104K	P*-60 2433
6		7.4T	57 37.434	0.0004	13	-62 12 55.01	0.024	10	0.58	37.417	19	04.0	56.19	19	00.1	K0	GC	15115	P*-61 2011
7	9.1	9.2W	57 37.503	-0.0019	06	-63 14 23.21	-0.001	06	0.14	37.510	14	46.3	23.20	14	46.3	B8	C0	3013	P -62 1845
8	9.2	9.2W	57 44.689	0.0007	07	-60 8 35.50	-0.019	07	0.14	44.687	14	46.3	35.43	14	46.3	A0	C0	3014	P*-59 2914
9		8.5	58 20.100	0.0062	33	-68 34 20.18	-0.012	43	2.28	19.748	75	93.3	19.49	57	93.3		M3	1417	
10		8.6	58 22.168	-0.0039	25	-69 31 49.26	-0.053	36	1.76	22.375	53	96.4	46.39	63	96.4		M4	2425	P -69 1467
11	8.2	8.0W	58 33.908	0.0004	07	-60 2 6.61	-0.020	07	0.14	33.907	14	46.3	6.53	14	46.3	B8	C0	3015	P -59 2927
12	9.5	9.7W	58 39.307	-0.0016	08	-62 20 42.22	-0.002	08	0.14	39.313	14	46.3	42.21	14	46.3	B8	C0	3016	P -61 2021
13		8.5	58 40.287	-0.0056	25	-65 29 17.49	0.004	36	1.70	40.575	53	98.4	17.69	63	98.4		M4	2426	P -65 1986
14	9.9	9.8W	58 49.816	0.0008	07	-62 8 25.91	0.000	07	0.14	49.813	14	46.3	25.91	14	46.3	B0	C0	3017	P -61 2022
15	8.7	8.0W	58 50.530	0.0010	06	-60 3 23.52	0.003	06	0.14	50.527	14	46.3	23.54	14	46.3	A0	C0	3018	P -59 2931
16		9.0T	58 53.072	-0.0059	20	-60 45 43.94	-0.008	15	0.85	53.339	24	04.9	43.53	22	00.7	K2	GC	15146	P -60 2452
17	9.9	9.8W	58 54.185	-0.0004	14	-60 15 32.22	0.004	14	0.15	54.187	14	46.3	32.23	14	46.3	B9	C0	3020	P -59 2934
18	7.9	8.0W	59 7.548	0.0007	06	-60 57 10.55	-0.003	06	0.14	7.545	14	46.3	10.54	14	46.3	B3	C0	3021	P -60 2455
19	9.9		59 27.100	0.0020	13	-61 42 48.82	0.025	13	0.15	27.093	14	46.3	48.91	14	46.3	B2	C0	3022	P -61 2027
20		8.0	59 27.344	0.0003	25	-67 20 59.28	-0.085	36	1.79	27.328	53	95.3	54.64	63	95.3		M4	2431	P -66 1501
21		7.1T	59 32.848	-0.0014	14	-60 46 46.96	-0.002	10	0.58	32.908	19	07.3	46.85	18	03.7	M0	GC	15155	P -60 2459
22		9.4T	59 34.461	-0.0027	18	-61 50 19.42	-0.011	15	0.71	34.571	19	09.7	18.94	19	07.7	B3	GC	15159	P -61 2028
23		7.7T	59 36.988	-0.0009	12	-61 17 34.80	-0.005	10	0.55	37.028	19	05.5	34.54	19	01.3	B1P	GC	15160	P -60 2460
24	8.4	8.6W	59 40.534	-0.0007	06	-60 3 26.53	0.002	06	0.14	40.537	14	46.3	26.54	14	46.3	A2	C0	3026	P -59 2952
25	9.4	9.4W	59 47.894	-0.0024	07	-61 36 53.72	-0.002	07	0.14	47.903	14	46.3	53.71	14	46.3	B2	C0	3027	P -61 2032
26		7.0T	59 51.431	0.0025	13	-64 2 5.44	-0.018	10	0.60	51.316	21	03.6	4.52	18	99.8	F0	GC	15166	P -63 1794
27		9.2T	11 0 2.627	-0.0005	17	-61 53 32.79	0.012	12	0.69	2.650	21	07.2	33.34	19	03.1	F8	GC	15175K	P -61 2037
28	9.6	9.3W	0 4.833	-0.0007	10	-61 11 20.77	0.017	10	0.15	4.835	14	46.3	20.83	14	46.3	G5	C0	3030	P -60 2466
29	8.3	8.5W	0 20.049	0.0006	06	-60 14 48.63	0.000	06	0.14	20.047	14	46.3	48.63	14	46.3	B5	C0	3032	P -59 2964
30	9.3	9.5W	0 32.670	0.0035	11	-60 22 36.19	0.011	11	0.15	32.657	14	46.3	36.23	14	46.3	B9	C0	3033	P -59 2970
31	9.5	9.4W	0 44.962	-0.0023	06	-63 13 30.78	-0.019	06	0.14	44.970	14	46.3	30.70	14	46.3	F5	C0	3034	P -62 1861
32	9.8	9.6W	0 45.106	-0.0026	07	-60 57 40.75	0.022	07	0.14	45.115	14	46.3	40.84	14	46.3	B5	GC	15189	P -61 2044
33		9.0T	0 45.844	0.0087	17	-62 12 35.69	-0.056	18	0.77	45.477	21	07.7	33.30	21	07.6	F5	GC	15193	P -68 2478
34		7.6T	1 0.734	-0.0024	12	-60 33 19.14	-0.003	10	0.53	0.840	19	05.8	18.99	18	03.0	F5	GC	15194	P -60 2479
35		6.7T	1 2.403	-0.0004	11	-60 38 28.12	-0.001	08	0.52	2.423	19	02.1	28.05	18	96.5	M0	GC	15194	
36		9.1T	1 3.320	-0.0018	12	-61 37 16.03	0.012	10	0.55	3.404	19	04.1	16.60	18	00.6	A2	GC	15196	P -61 2045
37		8.2T	1 3.969	-0.0087	13	-67 38 22.68	0.015	11	0.63	4.396	22	00.8	23.42	19	99.8	K2	GC	15198	P -67 1636
38		9.0T	1 7.028	0.0010	17	-61 29 57.44	-0.012	13	0.69	6.986	21	08.0	56.89	21	05.1	B3	GC	15202	P -61 2046
39	8.9	8.8W	1 8.926	-0.0028	06	-60 24 32.00	0.008	06	0.14	8.937	14	46.3	32.04	14	46.3	F0	C0	3041	P -60 2480
40	8.5	8.3W	1 11.816	-0.0014	07	-62 47 49.23	-0.006	07	0.14	11.821	14	46.3	49.20	14	46.3	B8	C0	3042	P -62 1862
41	9.4	9.5W	1 13.906	0.0025	12	-60 19 33.18	0.015	12	0.15	13.897	14	46.3	33.23	14	46.3	A0	C0	3043	P -59 2981
42	8.5	8.7W	1 41.009	0.0007	07	-60 18 34.83	0.001	07	0.14	41.007	14	46.3	34.84	14	46.3	B5	C0	3044	P -59 2988
43	9.2	9.3W	1 48.763	-0.0011	12	-60 1 28.59	0.012	12	0.15	48.767	14	46.3	28.64	14	46.3	A2	C0	3045	P -59 2990
44	9.8	9.5W	2 8.179	-0.0009	06	-62 15 19.57	0.010	06	0.14	8.183	14	46.3	19.61	14	46.3	A3	C0	3046	P -61 2058
45	8.8	8.8W	2 10.797	0.0006	07	-60 39 34.75	-0.004	07	0.14	10.795	14	46.3	34.73	14	46.3	QE	C0	3047	P -60 2498
46	8.7	7.5W	2 25.398	-0.0020	06	-61 13 4.91	-0.022	06	0.14	25.405	14	46.3	4.83	14	46.3	K5	C0	3048	P -60 2499
47		8.0T	2 27.356	0.0011	17	-62 41 33.23	-0.021	17	0.82	27.303	22	03.5	32.23	22	03.0	K5	GC	15236	P -62 1868
48		8.0	2 32.868	-0.0119	25	-69 39 35.38	-0.038	36	1.42	33.365	53	08.1	33.81	63	08.1		M4	2438	P -69 1475
49		8.0	2 41.196	-0.0026	33	-65 18 3.59	0.096	43	2.27	41.047	75	93.3	9.04	57	93.3		M3	1427	
50		8.4	2 43.684	-0.0047	25	-66 37 5.89	-0.051	36	1.49	43.899	45	04.4	3.58	53	04.4		M4	2439	P -66 1524
51	9.1	9.2W	11 2 43.998	0.0002	07	-60 15 48.91	0.006	07	0.14	43.997	14	46.3	48.94	14	46.3	B8	C0	3050	P -59 3013
52		7.5T	2 50.418	-0.0019	12	-64 20 44.49	0.007	12	0.59	50.508	21	03.1	44.79	19	03.0	B9	GC	15244	P -63 1819
53	7.3	7.7W	2 50.948	0.0007	06	-60 46 53.04	-0.002	06	0.14	50.945	14	46.3	53.03	14	46.3	B3	C0	3051	P -60 2505
54	8.5	8.7W	2 54.151	-0.0016	07	-60 13 49.71	-0.020	07	0.14	54.157	14	46.3	49.63	14	46.3	B9	C0	3052	P*-59 3018
55	8.6	9.0W	3 6.240	-0.0015	06	-60 54 22.02	0.003	06	0.14	6.245	14	46.3	22.04	14	46.3	B3	C0	3053	P -60 2508
56	9.7	9.3W	3 20.907	-0.0105	14	-60 38 24.52	0.059	14	0.15	20.945	14	46.3	24.73	14	46.3	G5	C0	3054	P*-60 2510
57	9.7	9.7W	3 22.086	0.0030	14	-61 9 50.84	0.025	14	0.15	22.075	14	46.3	50.93	14	46.3	B2	C0	3055	P -60 2511
58	9.1	9.4W	3 22.454	-0.0002	07	-61 23 47.25	0.022	07	0.14	22.455	14	46.3	47.33	14	46.3	B5	C0	3056	P -60 2512
59	9.1	9.1W	3 24.458	-0.0012	07	-61 34 29.70	0.002	07	0.14	24.463	14	46.3	29.71	14	46.3	B5	C0	3057	P -61 2064
60		8.8T	3 38.705	-0.0007	15	-67 37 59.74	-0.029	13	0.72	38.737	24	02.6	58.28	22	99.8	B9	GC	15263	P -67 1644
61	9.0	9.3W	3 55.891	-0.0010	06	-60 54 20.02	0.004	06	0.14	55.895	14	46.3	20.03	14	46.3	B3	C0	3058	P -60 2517
62	8.3	8.6W	4 2.711	-0.0010	06	-60 47 1.89	-0.016	06	0.14	2.715	14	46.3	1.83	14	46.3	B8	C0	3059	P -60 2522
63	9.4	9.5W	4 8.530	0.0010	07	-60 21 57.60	-0.018	07	0.14	8.527	14	46.3	57.54	14	46.3	B9	C0	3061	P -59 3042
64		7.7T	4 18.018	0.0016	11	-65 14 21.13	-0.009	09	0.52	17.941	19	02.3	20.67	18	99.5	QC	GC	15280	P -64 1629
65		7.5T	4 18.381	-0.0021	12	-68 30 41.25	-0.010	12	0.65	18.488	22	00.0	40.75	21	98.0	K5	GC	15281	P -68 1430
66	8.7	8.9W	4 24.135	-0.0027	14	-61 24 36.84	-0.003	14	0.15	24.145	14	46.3	36.83	14	46.3	A0	C0	3062	P -61 2066
67		6.4T	4 24.283	-0.0070	11	-64 34 8.72	0.003	10	0.52	24.606	19	03.6	8.87	18	01.1	A2	GC	15285	P -64 1630
68	9.6	9.2W	4 26.661	-0.0081	07	-62 37 12.90	0.001	07	0.14	26.691	14	46.3	12.90	14	46.3	F5	C0	3063	P -62 1885
69		4.8T	4 28.908	-0.0056	07	-62 9 12.83	0.009	05	0.29	28.137	12	09.4	13.25	12	01.6	K0	GC	15288	P*-61 2067
70	7.8	8.0W	4 36.807	-0.0017	06	-61 35 4.78	-0.019	06	0.14	36.813	14	46.3	4.71	14	46.3	B5	C0	3065	P -61 2068
71		7.9T	4 42.553	-0.0030	14	-67 39 13.17	-0.005	12	0.68	42.692	21	03.2	12.91	21	00.5	A0	GC	15295	P -67 1647
72	8.5	8.7W	5 0.905	0.0024	07	-60 23 50.60	0.008	07	0.14	0.897	14	46.3	50.63	14	46.3	B9	C0	3066	P -59 3054
73	8.5	8.5W	5 4.986	-0.0002	07	-60 1 31.82	0.003	07	0.14	4.987	14	46.3	31.84	14	46.3	B9	C0	3067	P -59 3056
74	9.4	9.2W	5 11.027	-0.0028	07	-60 11 37.73	-0.026	07	0.14	11.057	14	46.3	37.63	14	46.3	F5	C0	3068	P -59 3060
75	9.7	8.3W	5 18.509	-0.0010	06	-61 42 38.85	-0.011	06	0.14	18.513	14	46.3	38.81	14	46.3	K5	C0	3069	P -61 2071
76	8.2	8.4W	5 26.565	-0.0001	13	-61 6 36.58	0.015	13	0.15	26.565	14	46.3	36.63	14	46.3	B5	C0	3070	P -60 2539
77	10.0	9.8W	5 28.669	-0.0032	14	-63 8 7.41	0.026	14	0.15	28.680	14	46.3	7.50	14	46.3	B9	C0	3071	P -62 1894
78		7.4T	6 0.211	-0.0031	14	-60 33 16.62	0.005	10	0.58	0.346	19	06.3	16.84	17	02.1	B8	GC	15316	P -60 2546
79	8.9	8.8W	6 9.123	-0.0041	07	-64 13 0.52	-0.006	07	0.14	9.138	14	46.3	0.50	14	46.3	A0	C0	3075	P -63 1843
80	8.7	9.0W	6 17.471	-0.0010	07	-61 0 49.20	0.010	07	0.14	17.475	14	46.3	49.23	14	46.3	B9	C0	3076	P -60 2553
81	8.0	7.8W	6 22.055	0.0000	06	-61 21 19.10	0.009	06	0.14	22.055	14	46.3	19.13	14	46.3	B5	C0	3077	P -60 2554
82		8.5	6 22.455	-0.0037	25	-67 55 30.78	-0.036	36	1.67	22.643	53	99.3	28.94	63	99.3		M4	2452	P -67 1659
83	10.3	9.8W	6 22.445	-0.0008	12	-63 41 16.02	-0.005	12	0.15	22.448	14	46.3	16.00	14	46.3	F8	C0	3078	P -63 1846
84		7.0T	6 26.115	-0.0037	11	-65 9 26.26	0.021	10	0.53	26.287	19	03.2	27.31	18	99.8	K0	GC	15328	P*-64 1633
85	9.1	9.3W	6 26.450	-0.0014	07	-60 42 35.78	-0.013	07	0.14	26.455	14	46.3	35.74	14	46.3	B8	C0	3079	P -60 2555
86		5.4T	6 28.544	-0.0031	10	-61 40 33.27	0.007	06	0.33	28.664	12	11.8	33.56	10	06.0	A0P	GC	15331	P -61 2075
87	8.7	8.9W	6 39.553	-0.0010	11	-60 6 26.83	0.002	11	0.15	39.557	14	46.3	26.84	14	46.3	B8	C0	3081	P -59 3083
88		7.7T	6 43.478	-0.0028	14	-61 17 17.51	-0.013	10	0.57	43.598	19	07.4	16.88	18	02.6	B9	GC	15338	P -60 2558
89	8.5	8.6W	6 44.970	0.0009	06	-60 29 17.14	-0.002	06	0.14	44.967	14	46.3	17.13	14	46.3	B5	C0	3083	P -60 2559
90	10.0	9.8W	6 48.759	-0.0023	07	-63 54 45.65	-0.015	07	0.14	48.768	14	46.3	45.60	14	46.3	B8	C0	3084	P -63 1847
91	9.5	9.5W	6 49.107	-0.0011	07	-63 22 51.98	0.005	07	0.14	49.110	14	46.3	52.00	14	46.3	A0	C0	3085	P -62 1900
92	8.2	8.5W	6 49.511	0.0015	06	-60 38 36.08	-0.014	06	0.14	49.505	14	46.3	36.04	14	46.3	A0	C0	3086	P -60 2561
93	9.4	9.6W	7 41.789	0.0005	07	-60 11 52.39	-0.015	07	0.14	41.787	14	46.3	52.33	14	46.3	B5	C0	3087	P -59 3099
94	9.1	9.4W	7 44.316	-0.0005	07	-63 31 21.70	-0.029	07	0.14	44.318	14	46.3	21.60	14	46.3	B8	C0	3088	P -63 1852
95	10.1	9.7W	7 51.742	-0.0091	07	-60 56 16.80	0.037	07	0.14	51.775	14	46.3	16.94	14	46.3	G5	C0	3089	P -60 2576
96	7.8	8.1W	7 56.867	0.0005	06	-60 42 27.02	0.004	06	0.14	56.865	14	46.3	27.03	14	46.3	OA	C0	3090	P -60 2578
97	8.6	8.7W	8 23.406	0.0025	13	-60 18 47.27	-0.038	13	0.15	23.397	14	46.3	47.14	14	46.3	B8	C0	3092	P -59 3113
98	9.7	9.8W	8 26.893	0.0021	09	-61 17 24.45	-0.003	09	0.14	26.885	14	46.3	24.44	14	46.3	B8	C0	3093	P -60 2592
99	9.4	9.6W	8 27.125	-0.0036	07	-63 35 53.37	-0.020	07	0.14	27.138	14	46.3	53.30	14	46.3	A0	C0	3094	P -63 1856
00	9.5	9.8W	8 28.287	0.0004	14	-61 27 44.99	0.040	14	0.15	28.285	14	46.3	45.13	14	46.3	B9	C0	3095	P -61 2083

251300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 11H DM NUMBER
1	9.5	8.5W	11 8 29.445	-0.0001	06	-60 38 51.46	-0.007	06	0.14	29.445	14	46.3	51.43	14	46.3	K0	CO	3096	P -60 2593
2		7.2T	8 33.837	-0.0005	12	-60 6 45.68	-0.004	09	0.51	33.857	15	05.1	45.47	15	02.0	B8	GC	15371	P -59 3116
3	8.8	8.9W	8 44.431	0.0012	06	-60 28 11.24	-0.002	06	0.14	44.427	14	46.3	11.23	14	46.3	B3	CO	3099	P -60 2598
4	8.6	8.6W	8 58.578	0.0008	06	-60 50 45.30	0.011	06	0.14	58.575	14	46.3	45.34	14	46.3	B5	CO	3100	P -60 2606
5		8.6T	9 23.974	-0.0007	16	-60 6 18.94	0.002	14	0.67	24.002	21	08.0	19.01	21	07.2	B2	GC	15387	P -59 3156
6		7.7T	9 30.366	-0.0033	11	-60 10 17.73	-0.017	09	0.51	30.513	18	05.0	16.88	18	00.7	B	GC	15388	P -59 3166
7	7.7	7.9W	9 30.529	0.0005	04	-60 10 16.64	-0.003	04	0.14	30.527	14	46.3	16.63	14	46.3	B	CO	3103	P -59 3164
8		7.2Q	9 31.803	-0.0007	13	-60 2 18.89	-0.004	11	0.57	31.832	19	06.3	18.69	18	03.7	B9	GC	15391	P -59 3165
9	8.4	8.6W	9 32.132	0.0013	05	-60 9 25.47	-0.011	05	0.14	32.127	14	46.3	25.44	14	46.3	B	CO	3105	P -59 3166
10	7.9	8.1W	9 41.177	0.0001	05	-60 25 38.82	0.004	05	0.14	41.177	14	46.3	38.83	14	46.3	OE	CO	3107	P -60 2629
11	9.2	9.5W	9 44.443	0.0021	14	-61 9 23.78	0.015	14	0.15	44.435	14	46.3	23.83	14	46.3	B8	CO	3108	P -60 2631
12			9 56.419	0.0011	06	-60 49 23.03	0.001	06	0.14	56.415	14	46.3	23.03	14	46.3	B3	CO	3109V	P*-60 2638
13		8.9T	10 2.054	0.0011	17	-61 2 25.30	-0.014	13	0.67	2.010	21	09.4	24.68	19	06.8	B5	GC	15406	P -60 2643
14			10 2.657	0.0004	06	-61 28 57.46	-0.007	06	0.14	2.655	14	46.3	57.43	14	46.3	K2	CO	3111V	P*-61 2103
15		7.7T	10 12.967	-0.0005	13	-64 56 49.00	-0.009	12	0.62	12.989	19	04.2	48.56	18	00.9	B0	GC	15409	P -64 1641
16		4.7T	10 26.815	-0.0005	09	-60 2 43.18	-0.000	05	0.32	26.832	12	12.2	43.16	12	04.7	F5P	GC	15415K	P*-59 3190
17	8.3	8.4W	10 29.597	0.0004	06	-60 38 56.48	0.013	06	0.14	29.595	14	46.3	56.53	14	46.3	A2	CO	3113	P -60 2662
18		8.1T	10 35.822	-0.0029	13	-67 44 3.84	-0.013	12	0.66	35.965	22	00.4	3.17	19	99.5	B5	GC	15417	P -67 1678
19	9.0	8.9W	10 38.983	-0.0009	06	-60 27 56.15	-0.004	06	0.14	38.987	14	46.3	56.13	14	46.3	B	CO	3114	P -60 2665
20		5.5T	10 40.587	-0.0061	07	-63 53 51.65	-0.006	05	0.27	40.827	09	10.9	51.37	09	07.6	B8	GC	15421K	P*-63 1860
21		8.4	10 48.069	-0.0047	25	-66 49 47.43	-0.139	36	1.79	48.325	53	95.3	39.83	63	95.3		M4	2470	P -66 1550
22	9.4	9.4W	10 51.775	0.0006	06	-62 9 9.84	-0.007	06	0.14	51.773	14	46.3	9.81	14	46.3	B9	CO	3116	P -61 2120
23	9.0	9.1W	10 59.933	-0.0021	06	-63 12 15.37	-0.017	06	0.14	59.940	14	46.3	15.30	14	46.3	A2	CO	3117	P -62 1921
24		8.1	11 15.439	-0.0037	33	-66 34 43.61	-0.076	43	2.27	15.649	75	93.3	39.33	57	93.3		M3	1442	
25	8.4	8.1W	11 29.112	0.0013	06	-60 28 7.84	-0.001	06	0.14	29.107	14	46.3	7.83	14	46.3	B3	CO	3118	P -60 2698
26	9.9	9.9W	11 48.363	-0.0021	09	-62 47 12.73	-0.007	09	0.14	48.371	14	46.3	12.70	14	46.3	B8	CO	3119	P -62 1930
27	8.2	8.4W	12 13.105	-0.0026	06	-61 18 51.78	-0.012	06	0.14	13.115	14	46.3	51.73	14	46.3	A0	CO	3120	P -60 2713
28		8.3	12 14.426	-0.0006	25	-65 37 6.54	-0.007	36	1.53	14.455	53	04.3	6.23	63	04.3		M4	2473	P -65 1646
29	9.9	9.6W	12 25.935	-0.0015	07	-63 28 43.44	-0.010	07	0.14	25.940	14	46.3	43.40	14	46.3	A0	CO	3122	P -63 1865
30		8.8	12 27.026	-0.0038	33	-69 15 32.59	-0.052	43	2.31	27.243	75	92.2	29.61	57	92.2		M3	1444	
31	8.9	9.1W	12 50.194	-0.0003	06	-60 47 55.53	0.001	06	0.14	50.195	14	46.3	55.54	14	46.3	B8	CO	3123	P -60 2728
32		7.2T	12 54.625	-0.0042	13	-68 3 18.23	0.003	12	0.67	54.834	22	00.4	18.38	21	97.2	K5	GC	15473	P -67 1689
33	9.6	9.4W	12 54.630	-0.0018	07	-60 24 42.26	-0.007	07	0.14	54.637	14	46.3	42.23	14	46.3	A2	CO	3124	P -60 2730
34		6.8T	13 18.784	-0.0004	12	-66 14 20.88	-0.009	10	0.56	18.805	18	02.8	20.44	17	00.3	+++	GC	15488	P*-65 1649
35	9.8	9.8W	13 59.139	-0.0031	06	-63 8 53.86	-0.014	06	0.14	59.150	14	46.3	53.81	14	46.3	B8	CO	3128	P -62 1946
36		7.0T	14 7.055	-0.0082	11	-67 55 30.89	0.011	11	0.62	7.471	19	99.2	31.46	19	97.5	K5	GC	15510	P -67 1694
37	9.0	8.6W	14 17.262	0.0068	06	-60 17 42.71	0.034	06	0.14	17.237	14	46.3	42.83	14	46.3	G5	CO	3129	P -59 3289
38		9.7T	14 29.999	-0.0026	15	-60 33 11.89	-0.011	15	0.66	30.111	19	07.1	11.41	18	07.9	B9	GC	15516	P -60 2765
39		8.1	14 31.976	-0.0049	25	-69 38 3.27	-0.038	36	1.56	32.203	53	03.4	1.52	63	03.4		M4	2483	P -69 1510
40		8.1T	14 58.763	0.0001	14	-62 35 26.34	-0.011	12	0.62	58.756	21	05.4	25.83	19	04.4	B9	GC	15526	P -62 1953
41		6.1T	15 16.144	0.0034	11	-67 33 0.20	-0.018	08	0.58	15.961	19	96.4	59.08	18	88.7	M0	GC	15532	P -67 1703
42		7.7T	15 22.511	0.0003	12	-63 12 10.52	-0.004	10	0.51	22.496	18	07.5	10.31	18	01.7	A0	GC	15535	P -62 1959
43	8.6	9.1W	15 24.003	-0.0010	06	-60 9 13.80	-0.017	06	0.14	24.007	14	46.3	13.73	14	46.3	A0	CO	3133	P -59 3307
44	9.5	9.4W	15 25.087	-0.0017	06	-61 39 37.12	-0.002	06	0.14	25.093	14	46.3	37.11	14	46.3	A0	CO	3134	P -61 2182
45	8.9	7.8W	15 26.336	0.0029	07	-61 21 41.89	-0.016	07	0.14	26.325	14	46.3	41.83	14	46.3	K0	CO	3135	P -60 2786
46		9.0	15 31.109	-0.0098	25	-68 39 43.62	-0.009	36	1.64	31.602	45	99.7	43.16	53	99.4		M4	2487	P -68 1468
47		7.1T	15 34.286	-0.0024	12	-67 50 41.47	-0.013	11	0.63	34.402	21	01.3	40.78	19	97.6	G5	GC	15538	P -67 1704
48	7.9	8.0W	15 50.124	-0.0037	06	-63 46 8.23	-0.009	06	0.14	50.138	14	46.3	8.20	14	46.3	A2	CO	3136	P -63 1876
49		8.5	15 54.943	-0.0119	25	-69 37 30.87	-0.021	36	1.44	55.458	45	06.6	30.00	63	07.3		M4	2490	P -69 1517
50		7.5T	15 59.926	-0.0003	13	-62 42 6.41	0.003	12	0.60	59.938	19	05.4	6.54	18	02.4	K0	GC	15548	P -62 1963
51	8.9	8.9W	11 16 8.851	0.0001	07	-62 42 3.18	-0.020	07	0.14	8.851	14	46.3	3.11	14	46.3	B5	CO	3138	P -62 1964
52		9.0	16 23.415	0.0036	25	-65 16 10.00	-0.055	36	1.79	23.216	53	95.4	7.01	63	95.4		M4	2491	P -64 1648
53	8.8	9.0W	16 29.335	0.0000	06	-60 53 2.67	-0.010	06	0.14	29.335	14	46.3	2.64	14	46.3	B5	CO	3139	P -60 2801
54	8.4	8.3W	16 42.028	0.0009	07	-61 22 21.04	-0.002	07	0.14	42.025	14	46.3	21.03	14	46.3	A0	CO	3140	P -60 2808
55	8.5	8.4W	16 43.743	-0.0012	06	-63 59 27.85	-0.013	06	0.14	43.748	14	46.3	27.80	14	46.3	B8	CO	3141	P -63 1880
56		8.7	17 4.631	-0.0044	25	-64 46 30.95	0.023	36	1.75	4.869	45	95.7	32.20	53	95.7		M4	2493	P -64 1649
57		6.1T	17 10.477	-0.0457	08	-64 18 33.47	0.038	08	0.48	12.915	19	96.7	35.49	18	96.2	F5	GC	15574	P -63 1881
58	9.0	9.1W	17 10.562	-0.0009	06	-60 39 52.77	-0.011	06	0.14	10.565	14	46.3	52.73	14	46.3	A0	CO	3143	P -60 2819
59	9.3	9.4W	17 14.309	-0.0048	07	-60 18 12.68	-0.012	07	0.14	14.327	14	46.3	12.63	14	46.3	A0	CO	3144	P -59 3346
60	8.9	8.8W	17 45.234	-0.0043	06	-63 28 34.88	0.006	06	0.14	45.250	14	46.3	34.90	14	46.3	A2	CO	3145	P -63 1883
61		7.6	18 0.875	0.0023	25	-66 46 34.68	-0.067	36	1.44	0.776	53	07.5	31.82	63	07.5		M4	2497	P -66 1572
62		7.6T	18 9.159	-0.0048	11	-60 49 23.30	0.002	09	0.52	9.379	18	04.2	23.38	17	01.4	F0	GC	15595	P -60 2835
63		9.0	18 11.183	-0.0007	25	-66 59 2.81	-0.022	36	1.65	11.219	45	99.2	1.70	53	99.2		M4	2501	P -66 1573
64	8.7	8.6W	18 21.616	-0.0028	07	-60 18 24.14	-0.001	07	0.14	21.627	14	46.3	24.13	14	46.3	A0	CO	3148	P -59 3368
65	9.0	8.8W	18 35.330	-0.0128	07	-60 14 15.64	-0.002	07	0.14	35.377	14	46.3	15.63	14	46.3	F5	CO	3150	P -59 3375
66	9.5	9.1W	18 42.920	-0.0050	06	-63 51 56.40	-0.001	06	0.14	42.938	14	46.3	56.40	14	46.3	A0	CO	3151	P -63 1885
67	9.9	9.8W	19 18.048	-0.0060	07	-63 2 4.21	-0.002	07	0.14	18.070	14	46.3	4.20	14	46.3	A0	CO	3152	P -62 1973
68		7.5T	19 21.276	-0.0140	12	-60 57 8.21	0.043	10	0.56	21.905	21	05.1	10.34	19	00.2	K0	GC	15613	P -60 2850
69	9.7	9.5W	19 22.890	0.0009	07	-60 13 49.19	-0.014	07	0.14	22.887	14	46.3	49.13	14	46.3	A0	CO	3154	P -59 3386
70	8.9	9.1W	19 23.483	-0.0025	07	-62 5 59.05	-0.011	07	0.14	23.493	14	46.3	59.01	14	46.3	B9	CO	3155	P -61 2229
71	9.7	9.4W	19 25.006	-0.0023	12	-61 29 7.50	0.008	12	0.15	25.015	14	46.3	7.53	14	46.3	A3	CO	3156	P -61 2228
72	9.5	9.6W	19 43.443	-0.0019	06	-63 12 45.86	-0.015	06	0.14	43.450	14	46.3	45.80	14	46.3	B9	CO	3157	P -62 1977
73	8.6	9.0W	20 3.422	-0.0014	07	-60 27 25.06	-0.006	07	0.14	3.427	14	46.3	25.03	14	46.3	B3	CO	3158	P -60 2865
74	9.2	9.4W	20 6.337	0.0006	06	-60 47 56.34	-0.001	06	0.14	6.335	14	46.3	56.33	14	46.3	B2	CO	3159	P -60 2867
75	8.7	8.8W	20 16.874	-0.0023	07	-62 10 52.12	-0.028	07	0.14	16.883	14	46.3	52.01	14	46.3	B9	CO	3160	P -61 2245
76	9.0	9.1W	20 26.780	-0.0028	06	-63 16 25.47	-0.018	06	0.14	26.790	14	46.3	25.40	14	46.3	B9	CO	3161	P -62 1982
77	8.5	8.8W	20 34.696	0.0008	07	-61 48 13.22	-0.001	07	0.14	34.693	14	46.3	13.21	14	46.3	B8	CO	3162	P -61 2253
78		8.3T	20 46.507	0.0045	20	-62 7 58.20	-0.039	22	0.95	46.311	24	06.2	56.51	26	07.0	K2	GC	15640	P -61 2257
79	9.6	9.6W	20 50.100	-0.0013	11	-61 21 36.90	0.008	11	0.15	50.105	14	46.3	36.93	14	46.3	B8	CO	3165	P -60 2882
80		8.0T	21 1.459	-0.0012	13	-62 1 14.42	-0.012	11	0.53	1.509	18	09.8	13.88	17	06.6	K0	GC	15646	P -61 2265
81	9.7	9.8W	21 8.528	0.0030	06	-60 18 5.77	-0.009	06	0.14	8.517	14	46.3	5.73	14	46.3	B5	CO	3167	P -59 3417
82		6.8T	21 10.822	-0.0003	17	-64 40 47.43	-0.007	12	0.66	10.833	22	07.4	47.13	21	06.5	B5	GC	15648K	P -64 1657
83		5.7T	21 11.371	0.0005	10	-64 40 48.98	-0.010	06	0.42	11.346	15	03.7	48.47	14	98.8	B5	GC	15649K	P*-64 1657
84		7.7T	21 28.924	0.0016	12	-65 4 4.21	-0.013	11	0.59	28.847	19	02.1	3.57	18	00.8	K2	GC	15657	P -64 1659
85		8.3	21 29.615	-0.0026	25	-65 33 37.34	-0.038	36	1.44	29.727	53	07.4	35.73	63	07.4		M4	2511	P -65 1662
86	8.5	8.9W	21 41.252	-0.0009	06	-60 35 28.66	-0.008	06	0.14	41.255	14	46.3	28.64	14	46.3	B8	CO	3168	P -60 2891
87	8.6	8.9W	21 42.191	-0.0011	06	-60 48 58.00	0.010	06	0.14	42.195	14	46.3	58.03	14	46.3	B9	CO	3169	P -60 2892
88	9.2	9.3W	21 44.256	0.0028	14	-61 4 47.34	-0.028	14	0.15	44.245	14	46.3	47.23	14	46.3	B0	CO	3170	P -60 2893
89		9.0T	21 45.129	0.0019	17	-62 45 22.95	-0.016	16	0.73	45.047	22	07.4	22.27	21	08.3	A0	GC	15659	P -62 1990
90	9.0	9.0W	21 53.087	-0.0008	07	-63 24 22.32	-0.005	07	0.14	53.090	14	46.3	22.30	14	46.3	B5	CO	3172	P -62 1992
91	9.3	9.2W	22 8.546	-0.0013	07	-62 59 51.10	0.002	07	0.14	8.550	14	46.3	51.11	14	46.3	A2	CO	3173	P -62 1995
92	8.1	8.2W	22 15.864	-0.0046	07	-63 4 2.02	-0.003	07	0.14	15.880	14	46.3	2.01	14	46.3	B9	CO	3174	P -62 1997
93	8.4	7.2W	22 29.475	-0.0677	06	-61 22 26.01	0.061	06	0.14	29.725	14	46.3	26.23	14	46.3	K5	CO	3176	P*-60 2911
94	9.2	9.1W	22 35.835	-0.0036	06	-63 49 20.02	-0.006	06	0.14	35.848	14	46.3	20.00	14	46.3	A0	CO	3177	P -63 1891
95	9.4	8.4W	22 39.807	-0.0021	05	-61 0 20.88	-0.012	05	0.14	39.815	14	46.3	20.83	14	46.3	G5	CO	3178	P -60 2914
96	9.3	9.6W	22 39.810	-0.0013	12	-61 16 8.02	0.031	12	0.15	39.815	14	46.3	8.13	14	46.3	B9	CO	3179	P -60 2913
97	7.4	7.4W	22 42.405	-0.0015	07	-63 9 25.09	0.003	07	0.14	42.410	14	46.3	25.10	14	46.3	B3	CO	3180	P -62 2003
98		9.1T	22 52.436	0.0006	20	-62 41 5.63	0.010	22	0.95	52.407	24	06.1	6.05	26	06.8	K2	GC	15675	P -62 2004
99	8.9	9.2W	23 13.217	0.0006	06	-60 42 2.49	0.012	06	0.14	13.215	14	46.3	2.53	14	46.3	B8	CO	3183	P -60 2923
00	8.6	8.4W	23 30.722	-0.0051	07	-62 51 14.21	-0.000	07	0.14	30.741	14	46.3	14.21	14	46.3	A0	CO	3185	P -62 2007

251400 - -

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.2	7.8W	11 23 32.186	-0.0006	06	-63 32 1.50	-0.000	06	0.14	32.188	14	46.3	1.50	14	46.3	F2	CO	3186	P -63 1892
2		5.3T	23 32.721	-0.0465	07	-63 41 47.53	-0.083	06	0.31	34.550	14	10.7	43.86	14	06.0	F5	GC	15693	P*-63 1893
3	8.4	8.7W	23 45.688	-0.0036	09	-61 22 18.25	-0.004	09	0.14	45.675	14	46.3	18.23	14	46.3	B9	CO	3188	P -60 2933
4	8.6	8.7W	23 47.918	-0.0014	07	-62 10 51.14	-0.007	07	0.14	47.923	14	46.3	51.11	14	46.3	B8	CO	3189	P -61 2305
5	8.9	9.1W	24 8.364	-0.0007	06	-60 9 58.18	0.015	06	0.14	8.367	14	46.3	58.23	14	46.3	A0	CO	3190	P -59 3467
6		5.5T	24 19.808	-0.0031	06	-60 30 23.69	-0.002	05	0.28	19.937	12	08.6	23.58	12	03.6	B5	GC	15708	P*-60 2941
7		8.0T	24 35.654	-0.0047	11	-62 32 40.55	-0.018	10	0.56	35.880	21	01.4	39.65	18	00.6	A0	GC	15712	P -62 2018
8		6.8T	24 43.953	-0.0028	14	-61 5 38.12	-0.001	11	0.80	44.074	19	06.9	38.06	18	02.9	K2	GC	15715	P -60 2948
9		7.9	24 50.984	-0.0058	25	-68 46 18.88	-0.008	36	1.47	51.237	53	06.3	18.32	63	06.3	M4		2521	P -68 1506
10		9.2T	25 9.380	-0.0043	17	-60 16 15.60	-0.025	13	0.70	9.561	21	07.6	14.45	19	04.4	F5	GC	15725	P*-59 3479
11	8.6	8.5W	25 13.307	-0.0084	06	-63 20 34.46	-0.014	06	0.14	13.330	14	46.3	34.40	14	46.3	F0	CO	3195	P -62 2024
12		6.8T	25 28.440	-0.0020	13	-60 13 13.23	-0.004	10	0.59	26.531	18	03.6	13.01	17	00.1	K2	GC	15731	P -59 3485
13		8.9T	25 41.938	0.0007	15	-62 31 46.47	-0.006	13	0.66	41.906	22	05.8	46.19	19	04.9	B8	GC	15738	P -62 2026
14	9.3	9.6W	25 44.622	-0.0003	09	-61 39 30.36	-0.014	09	0.14	44.623	14	46.3	30.31	14	46.3	A0	CO	3199	P -61 2341
15			25 46.872	-0.0008	07	-61 8 6.32	0.003	07	0.14	46.875	14	46.3	6.34	14	46.3	B8	CO	3200V	P*-60 2965
16	9.4	9.4W	25 48.947	-0.0001	06	-63 54 52.51	-0.003	06	0.14	48.948	14	46.3	52.50	14	46.3	A0	CO	3201	P -63 1896
17		7.6T	26 15.006	-0.0038	13	-66 12 48.80	0.000	12	0.69	15.199	21	99.9	48.81	21	98.1	B0	GC	15747	P -65 1669
18	8.1	8.1W	26 30.890	-0.0002	06	-63 17 57.67	0.009	06	0.14	30.890	14	46.3	57.70	14	46.3	A0	CO	3202	P -62 2032
19		9.5T	26 36.589	0.0002	18	-62 39 18.81	-0.000	15	0.76	36.578	26	07.0	18.80	21	06.3	B8	GC	15754	P -62 2033
20	8.2	8.4W	26 38.526	0.0008	06	-62 22 36.80	0.002	06	0.14	38.523	14	46.3	36.81	14	46.3	B5	CO	3204	P -61 2350
21	8.9	9.0W	26 57.314	-0.0012	07	-63 35 5.58	-0.005	07	0.14	57.318	14	46.3	5.60	14	46.3	B5	CO	3205	P -63 1900
22		6.6T	27 0.107	0.0014	12	-63 16 41.61	-0.005	09	0.53	0.041	19	04.0	41.54	18	98.7	B0	GC	15761	P -62 2039
23	9.1	9.4W	27 7.364	0.0004	07	-62 24 55.51	0.000	07	0.14	7.363	14	46.3	55.51	14	46.3	B9	CO	3207	P -62 2042
24	8.9	9.1W	27 10.631	-0.0012	07	-61 19 13.04	-0.001	07	0.14	10.635	14	46.3	13.03	14	46.3	B9	CO	3208	P -60 2986
25		8.1	27 35.452	0.0033	25	-66 48 10.82	-0.094	36	1.79	35.271	53	95.3	5.68	63	95.3	M4		2528	P -66 1596
26	8.6	8.6W	27 57.801	-0.0017	06	-60 15 4.05	-0.004	06	0.14	57.807	14	46.3	4.03	14	46.3	A2	CO	3209	P -59 3537
27	8.5	8.7W	28 7.184	0.0009	13	-63 1 39.85	0.043	13	0.15	7.180	14	46.3	40.00	14	46.3	A0	CO	3210	P -62 2062
28		8.1T	28 8.772	0.0003	15	-63 32 29.30	-0.013	12	0.65	8.759	21	05.2	28.67	19	02.7	B0	GC	15788	P -63 1904
29	9.2	8.9W	28 10.632	-0.0043	07	-63 54 18.52	-0.033	07	0.14	10.648	14	46.3	18.40	14	46.3	F8	CO	3212	P -63 1905
30	8.5	8.5W	28 14.184	-0.0024	07	-61 53 34.22	-0.002	07	0.14	14.193	14	46.3	34.21	14	46.3	A2	CO	3213	P -61 2364
31		8.0T	28 23.849	0.0029	18	-62 30 38.08	0.008	20	0.82	23.725	22	07.9	38.40	22	08.9	B9	GC	15796	P -62 2065
32	8.9	8.0W	28 28.422	-0.0009	05	-60 48 8.03	0.001	05	0.14	28.425	14	46.3	8.04	14	46.3	K0	CO	3215	P -60 3002
33		7.3W	28 33.200	-0.0019	06	-60 2 30.50	0.009	06	0.14	33.207	14	46.3	30.53	14	46.3	B9	CO	3216	P -59 3545
34	7.9	8.2W	28 50.241	0.0001	07	-62 40 14.77	0.009	07	0.14	50.241	14	46.3	14.80	14	46.3	B0	CO	3217	P -62 2075
35	9.1	9.3W	28 55.439	-0.0004	07	-62 54 37.85	-0.011	07	0.14	55.440	14	46.3	37.80	14	46.3	B9	CO	3218	P -62 2077
36		8.2	28 56.052	-0.0086	25	-65 27 59.47	-0.021	36	1.67	56.384	53	99.4	58.41	63	99.4	M4		2530	P -65 1675
37		6.4T	28 57.138	-0.0005	11	-61 0 8.62	-0.001	08	0.49	57.161	19	05.0	8.56	17	01.1	A2P	GC	15805	P*-60 3011
38		8.7T	29 1.885	0.0016	17	-61 59 52.62	0.011	18	0.77	1.818	21	07.6	53.07	21	07.8	A2	GC	15807	P -61 2370
39	8.3	8.5W	29 12.625	-0.0004	06	-60 22 21.47	-0.010	06	0.14	12.627	14	46.3	21.44	14	46.3	B2	CO	3222	P -59 3556
40	9.9		29 13.327	-0.0065	12	-62 57 17.95	-0.011	12	0.15	13.350	14	46.3	17.90	14	46.3	B9	CO	3223	P -62 2080
41	9.5	9.6W	29 23.380	-0.0056	11	-63 8 55.65	0.016	11	0.15	23.400	14	46.3	55.70	14	46.3	B8	CO	3224	P -62 2081
42		8.1	29 23.991	-0.0004	25	-65 7 37.15	-0.012	36	1.79	24.011	53	95.4	36.50	63	95.4	M4		2531	P -64 1668
43		7.5T	29 29.458	0.0002	13	-60 19 48.46	-0.007	10	0.57	29.448	19	05.5	48.11	18	01.8	B0	GC	15819	P -59 3562
44		8.1T	29 30.305	0.0008	15	-60 25 2.79	-0.008	11	0.61	30.269	19	07.2	2.41	18	04.4	A0	GC	15821	P*-60 3017
45		7.8T	29 32.506	-0.0016	13	-61 29 49.59	-0.010	11	0.60	32.578	21	05.0	49.10	19	02.8	G0	GC	15823	P -61 2380
46		8.6T	29 38.103	0.0002	12	-67 46 54.01	-0.000	12	0.64	38.093	21	01.4	54.00	19	98.0	B0	GC	15827	P -67 1758
47	8.4	8.7W	29 48.565	-0.0009	07	-63 37 58.73	-0.009	07	0.14	48.568	14	46.3	58.70	14	46.3	B8	CO	3228	P -63 1911
48		8.9	29 52.924	0.0123	25	-66 45 44.75	-0.033	36	1.58	52.327	45	01.4	43.17	53	01.4	M4		2536	P -66 1604
49	7.5	7.9W	29 58.143	-0.0006	06	-60 34 36.97	0.017	06	0.14	58.145	14	46.3	37.03	14	46.3	B5	CO	3229	P -60 3028
50	9.0	9.4W	29 58.982	-0.0003	08	-62 16 16.87	0.010	08	0.14	58.983	14	46.3	16.91	14	46.3	B8	CO	3230	P -61 2391
51		5.9T	11 30 5.826	0.0002	11	-66 41 8.89	-0.007	10	0.61	5.814	18	93.5	8.50	15	91.2	K0	GC	15837	P -66 1605
52	8.4	8.8W	30 16.714	-0.0008	06	-60 28 16.49	-0.008	06	0.14	16.717	14	46.3	16.46	14	46.3	B5	CO	3231	P -60 3037
53	8.1	8.3W	30 31.879	-0.0011	06	-61 32 29.34	0.000	06	0.14	31.883	14	46.3	29.34	14	46.3	A2	CO	3232	P -61 2400
54	8.4	8.4W	30 36.166	-0.0012	07	-63 22 12.99	0.012	07	0.14	36.171	14	46.3	13.04	14	46.3	B5	CO	3233	P -62 2094
55	9.5	9.5W	31 0.241	0.0026	07	-62 49 40.77	0.017	07	0.14	0.231	14	46.3	40.84	14	46.3	B8	CO	3234	P -62 2096
56		8.9	31 4.600	0.0003	25	-68 33 47.11	-0.038	36	1.50	4.588	53	05.4	45.42	63	05.4	M4		2543	P -68 1524
57		6.7T	31 14.128	-0.0096	12	-69 55 6.94	-0.020	12	0.65	14.608	21	00.2	5.87	19	97.3	B9	GC	15855	P -69 1557
58	9.5	9.8W	31 16.490	-0.0051	12	-63 37 10.11	-0.024	12	0.15	16.508	14	46.3	10.02	14	46.3	B8	CO	3235	P -63 1919
59		8.6T	31 28.803	-0.0002	12	-60 36 34.81	-0.010	10	0.54	28.812	18	04.9	34.31	18	01.7	K0	GC	15862	P -60 3058
60		7.1T	31 56.165	-0.0014	09	-65 7 59.90	-0.005	09	0.46	56.228	17	04.2	59.66	17	00.1	A0	GC	15871	P -64 1677
61		8.8	32 6.904	-0.0148	25	-69 35 15.95	-0.028	36	1.56	7.594	53	03.4	14.63	63	03.4	M4		2547	P -69 1559
62	8.9	8.8W	32 14.997	0.0050	07	-63 40 42.48	-0.016	07	0.14	14.978	14	46.3	42.42	14	46.3	A5	CO	3237	P -63 1923
63	8.9	7.2W	32 31.123	-0.0006	06	-60 30 34.00	0.016	06	0.14	31.125	14	46.3	34.06	14	46.3	MB	CO	3238	P -60 3069
64	9.6	9.5W	32 46.693	0.0001	10	-61 52 28.25	0.027	10	0.15	46.693	14	46.3	28.34	14	46.3	A0	CO	3239	P -61 2418
65		8.8	32 48.374	0.0013	25	-67 52 25.42	-0.018	36	1.64	48.310	53	00.4	24.54	63	00.4	M4		2549	P -67 1768
66		6.7T	32 54.830	-0.0227	13	-60 37 3.76	-0.030	10	0.57	55.858	19	04.7	2.31	17	02.3	F0	GC	15888	P -60 3075
67		8.9	33 18.039	-0.0008	25	-67 39 25.23	-0.044	36	1.73	18.080	53	97.5	22.94	63	97.5	M4		2550	P -67 1772
68	8.7	8.9W	33 21.226	-0.0013	07	-62 38 12.84	-0.001	07	0.14	21.231	14	46.3	12.84	14	46.3	B8	CO	3241	P -62 2126
69		6.7T	33 22.074	-0.0015	10	-61 0 40.47	-0.006	07	0.44	22.144	17	03.5	40.15	15	99.6	A0P	GC	15897K	P*-60 3090
70	8.9	7.0W	33 24.875	0.0002	04	-61 18 4.54	0.005	04	0.14	24.875	14	46.3	4.56	14	46.3		CO	3243	P*-60 3094
71	7.9	8.2W	33 27.006	-0.0001	06	-61 17 1.26	-0.000	06	0.14	27.005	14	46.3	1.26	14	46.3	B	CO	3244	P -60 3095
72		3.3H	33 27.827	-0.0057	02	-62 44 34.60	-0.008	02	0.10	28.041	06	12.2	34.30	05	13.0	B9	F4	436	P -62 2127
73		8.1	33 30.101	-0.0218	25	-69 55 50.73	-0.027	36	1.69	31.261	36	96.9	49.28	45	96.9		M4	2551	P -69 1560
74	8.3I		33 35.363	0.0022	08	-61 19 37.13	-0.007	08	0.14	35.355	14	46.3	37.16	14	46.3	B	CO	3246	P -60 3102
75		8.5T	33 44.109	-0.0034	13	-61 18 47.41	-0.032	16	0.66	44.256	19	06.8	46.02	19	07.3		GC	15907	P -60 3112
76	8.4I		33 51.594	0.0025	09	-61 19 13.40	0.016	09	0.14	51.585	14	46.3	13.46	14	46.3		CO	3248	P -60 3120
77			33 56.631	-0.0012	13	-61 11 24.30	0.016	13	0.15	56.635	14	46.3	24.36	14	46.3	B8	CO	3249V	P*-60 3136
78	8.6I		34 0.768	-0.0018	07	-61 22 26.36	0.026	07	0.14	0.775	14	46.3	26.46	14	46.3		CO	3250	P -60 3145
79		5.8T	34 1.664	-0.0024	10	-60 46 32.19	0.004	08	0.36	1.751	14	13.7	32.33	14	10.0	B3	GC	15913	P -60 3140
80		7.5T	34 7.919	-0.0013	11	-61 23 18.36	-0.007	10	0.49	7.974	17	07.7	18.02	17	04.1	B0	GC	15919	P -60 3155
81	8.6I		34 11.094	-0.0002	07	-61 17 48.86	-0.001	07	0.14	11.095	14	46.3	48.86	14	46.3	B	CO	3253	P -60 3157
82		7.7T	34 13.171	-0.0017	17	-60 37 3.89	-0.024	13	0.68	13.240	22	08.8	2.81	19	05.9	B9	GC	15924K	P*-60 3159
83		7.6T	34 14.217	-0.0038	20	-61 19 58.47	0.007	17	0.77	14.369	21	09.9	58.75	19	08.8	M0	GC	15925	P -60 3161
84	8.9	9.2W	34 36.504	-0.0018	07	-63 7 15.35	-0.004	07	0.14	36.510	14	46.3	15.33	14	46.3	B3	CO	3256	P -62 2142
85	9.0	9.3W	34 40.841	-0.0037	12	-60 58 39.85	0.030	12	0.15	40.855	14	46.3	39.96	14	46.3	A	CO	3257	P -60 3181
86		5.1T	34 41.166	-0.0303	08	-61 0 23.37	0.002	07	0.33	42.335	14	11.4	23.43	12	08.3	K0	GC	15935	P*-60 3182
87		8.4T	34 44.085	0.0031	18	-62 12 30.39	0.002	22	0.93	43.948	24	05.4	30.46	26	07.0	K5	GC	15937	P -61 2448
88	8.9	7.9W	34 59.162	0.0014	06	-60 27 4.38	-0.005	06	0.14	59.157	14	46.3	4.36	14	46.3	K0	CO	3260	P -60 3190
89		6.7T	34 59.822	-0.0111	13	-69 23 50.89	-0.015	12	0.68	+ 0.379	19	99.6	50.07	18	96.0	F5	GC	15941	P -68 1536
90		8.6	35 1.660	-0.0147	25	-66 37 19.92	-0.043	36	1.79	2.462	53	95.4	17.56	63	95.4	M4		2557	P -66 1626
91	8.6	9.0W	35 2.644	-0.0045	14	-62 52 21.18	0.014	14	0.15	2.661	14	46.3	21.23	14	46.3	B5	CO	3261	P -62 2147
92	9.5	9.8W	35 4.132	-0.0050	11	-62 59 55.50	0.009	11	0.15	4.151	14	46.3	55.53	14	46.3	B3	CO	3262	P -62 2148
93	8.2	8.4W	35 8.292	-0.0023	07	-63 24 21.32	0.002	07	0.14	8.300	14	46.3	21.33	14	46.3	B8	CO	3263	P -62 2150
94		7.4T	35 11.157	-0.0036	13	-61 12 29.20	-0.009	11	0.57	11.313	19	06.6	28.77	18	04.4	B5	GC	15948K	P*-60 3195
95			35 11.924	0.0008	07	-63 4 14.28	0.015	07	0.14	11.921	14	46.3	14.33	14	46.3	B5	CO	3265V	P*-62 2151
96		7.3T	35 12.370	0.0007	13	-60 5 16.28	-0.003	09	0.55	12.337	19	05.6	16.12	18	02.0	B8	GC	15949	P -59 3649
97		6.7T	35 12.969	-0.0103	13	-60 37 35.72	-0.006	12	0.61	13.437	19	04.5	35.41	19	02.3	MB	GC	15950	P -60 3196
98		7.4T	35 16.478	-0.0030	14	-60 42 23.51	-0.024	11	0.59	16.607	19	07.2	22.38	18	03.9	B9	GC	15951	P*-60 3201
99		8.1T	35 27.166	-0.0012	16	-62 11 28.27	0.024	22	0.83	27.219	21	07.1	29.21	22	10.1	B5	GC	15955	P -61 2460
00		7.5T	35 28.140	-0.0008	12	-63 2 46.42	-0.002	10	0.58	28.180	19	01.9	46.30	18	00.1	B3	GC	15957	P -62 2154

251500

EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -60° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$,,.001	σ_{1950} ″	α_2 s	σ ,,.01	ep.	δ_2 ″	σ' ,,.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		5.9T	11 35 31.780	-0.0136	09	-67 20 35.65	-0.017	07	0.35	32.297	14	12.0	34.94	12	07.4	K0	GC	15959	P -66 1629
2	9.0	9.4W	35 38.117	-0.0063	14	-63 2 21.62	0.032	14	0.15	38.141	14	46.3	21.74	14	46.3	B5	CO	3271	P -62 2158
3	9.1	9.4W	35 41.539	-0.0010	07	-62 3 2.65	-0.001	07	0.14	41.543	14	46.3	2.64	14	46.3	B8	CO	3272	P -61 2462
4		7.2T	35 45.075	0.0012	13	-65 22 43.97	-0.022	11	0.61	45.017	21	02.9	42.89	18	00.1	B8	GC	15964	P -64 1682
5		5.3T	35 46.488	-0.0094	07	-61 32 58.47	0.013	05	0.28	46.871	12	09.3	59.05	12	03.8	A0	GC	15965	P -61 2463
6		7.6T	35 49.503	0.0011	15	-62 55 12.39	-0.020	11	0.66	49.455	21	04.7	11.37	19	99.8	B3	GC	15966K	P -62 2163
7		8.6T	35 51.568	-0.0037	17	-63 6 50.71	-0.024	12	0.69	51.729	22	06.8	49.61	19	05.0	B	GC	15968	P -62 2164
8	9.2	7.5W	35 59.058	0.0001	06	-60 22 36.85	0.003	06	0.14	59.057	14	46.3	36.86	14	46.3	K	CO	3276	P -59 3664
9	9.3	9.3W	35 59.491	0.0011	06	-60 19 39.95	0.003	06	0.14	59.487	14	46.3	39.96	14	46.3		CO	3277	P -59 3666
10	9.2	9.5W	35 59.554	-0.0008	06	-60 21 1.81	-0.014	06	0.14	59.557	14	46.3	1.76	14	46.3	B9	CO	3278	P -59 3665
11		6.9T	35 59.872	0.0009	11	-63 5 45.23	-0.013	09	0.55	59.829	19	00.7	44.52	17	96.5	B2	GC	15973K	P*-62 2168
12	8.6	8.8W	36 2.174	-0.0019	07	-62 55 25.16	-0.007	07	0.14	2.181	14	46.3	25.14	14	46.3	B8	CO	3280	P -62 2171
13		8.9	36 15.837	0.0023	25	-66 42 28.52	-0.052	36	1.70	15.719	53	98.4	25.83	63	98.4	M4		2561	P -66 1630
14		9.5T	36 29.255	-0.0007	22	-60 37 3.77	0.022	17	0.93	29.285	24	05.9	4.77	24	03.4	M0	GC	15989	P -60 3214
15	7.9	8.1W	36 42.389	-0.0004	07	-63 9 8.79	0.012	07	0.14	42.391	14	46.3	8.83	14	46.3	B3	CO	3282	P -62 2186
16		7.4T	36 48.421	0.0013	11	-62 8 41.74	0.012	11	0.53	48.364	19	05.6	42.25	18	06.0	A0	GC	15993	P -61 2478
17	9.4	9.5W	36 49.331	0.0002	12	-63 2 13.73	0.001	12	0.15	49.331	14	46.3	13.73	14	46.3	B5	CO	3284	P -62 2188
18	8.9	8.9W	36 51.833	-0.0020	07	-63 14 35.32	0.004	07	0.14	51.841	14	46.3	35.34	14	46.3	B5	CO	3285	P -62 2190
19		7.7T	36 55.263	0.0024	18	-62 39 21.28	-0.016	16	0.75	55.165	22	08.3	20.59	21	07.8	B3	GC	15996	P -62 2191
20	8.6	8.8W	36 55.659	-0.8059	15	-62 34 32.92	0.031	15	0.15	55.681	14	46.3	33.03	14	46.3	A0	CO	3287	P -62 2192
21	8.6	8.3W	37 6.605	0.0053	06	-60 53 8.08	-0.021	06	0.14	6.585	14	46.3	8.16	14	46.3	F8	CO	3288	P -60 3222
22		5.1T	37 9.749	-0.0059	08	-64 13 13.72	-0.012	05	0.30	9.943	12	10.1	13.19	12	04.7	K4+	GC	16004K	P*-64 1685
23		8.0T	37 12.874	-0.0029	12	-61 31 21.67	-0.016	10	0.57	13.014	19	01.8	20.44	18	97.7	K0	GC	16005	P -61 2488
24		8.4W	37 24.586	-0.0013	06	-63 12 1.41	0.007	06	0.14	24.591	14	46.3	1.44	14	46.3	B3	CO	3291	P -62 2205
25		7.7W	37 28.628	-0.0008	06	-63 12 5.00	0.009	06	0.14	28.631	14	46.3	5.03	14	46.3	B3	CO	3292	P -62 2206
26	7.1	7.4W	37 44.257	0.0004	06	-60 54 29.99	-0.007	06	0.14	44.255	14	46.3	29.96	14	46.3	B9	CO	3293	P -60 3231
27	9.3	9.1W	37 50.854	-0.0004	09	-61 8 1.73	0.007	09	0.14	50.855	14	46.3	1.76	14	46.3	F0	CO	3294	P -60 3233
28		7.1T	37 54.013	-0.0001	10	-62 9 18.36	-0.002	10	0.48	54.016	18	04.7	18.44	18	02.9	K0	GC	16024	P -61 2500
29		7.5T	38 3.136	-0.0024	14	-69 23 39.53	-0.028	12	0.68	3.248	21	02.5	38.08	19	98.4	K0	GC	16026	P -68 1545
30	8.1	8.3W	38 4.242	-0.0029	07	-61 55 14.98	-0.011	07	0.14	4.253	14	46.3	14.94	14	46.3	B9	CO	3296	P -61 2504
31	8.5	8.1W	38 7.365	0.0101	06	-64 11 12.17	-0.040	06	0.14	7.328	14	46.3	12.02	14	46.3	G0	CO	3297	P -63 1940
32	8.5	8.4W	38 10.283	-0.0038	06	-60 11 57.64	0.007	06	0.14	10.297	14	46.3	57.66	14	46.3	F0	CO	3298	P -59 3692
33		6.8T	38 14.716	-0.0003	10	-62 17 29.07	-0.035	09	0.45	14.729	18	07.5	27.43	17	03.8	B2	GC	16031K	P*-61 2508
34		7.2T	38 26.484	0.0002	17	-60 42 11.75	-0.008	13	0.68	26.476	19	08.3	11.38	19	05.8	K5	GC	16036	P -60 3239
35		4.9T	38 31.090	-0.0023	09	-61 48 45.34	0.003	06	0.33	31.177	14	12.5	45.45	12	05.4	G0	GC	16037	P*-61 2514
36	9.3	9.4W	38 35.024	-0.0004	14	-60 44 20.46	0.026	14	0.15	35.025	14	46.3	20.56	14	46.3	B9	CO	3302	P -60 3243
37			38 36.210	-0.0007	07	-62 24 54.24	0.002	07	0.14	36.213	14	46.3	54.24	14	46.3	G5	CO	3303V	P*-62 2223
38	8.4	8.6W	38 38.073	-0.0011	06	-60 20 9.02	0.012	06	0.14	38.077	14	46.3	9.06	14	46.3	A0	CO	3304	P -59 3697
39		7.4T	38 39.757	-0.0074	15	-60 38 45.12	-0.008	12	0.65	40.074	19	07.2	44.72	19	02.7	K0	GC	16045	P -60 3246
40		6.8T	38 47.509	-0.0055	20	-60 51 46.95	-0.015	14	0.72	47.731	21	09.7	46.32	19	09.1	K0	GC	16047K	P*-60 3248
41	9.2	9.1W	39 5.730	-0.0063	07	-62 29 8.70	0.012	07	0.14	5.753	14	46.3	8.74	14	46.3	A0	CO	3307	P -62 2232
42		7.3T	39 15.944	0.0004	12	-63 33 6.88	-0.001	10	0.56	15.925	19	03.8	6.85	18	98.9	G5	GC	16056	P -63 1943
43		8.4	39 18.419	-0.0008	25	-67 38 15.68	-0.041	36	1.44	18.453	53	07.4	13.91	63	07.4	M4		2571	P -67 1792
44	9.4	7.6W	39 26.924	-0.0017	07	-63 8 13.42	0.005	07	0.14	26.930	14	46.3	13.43	14	46.3	MA	CO	3309	P -62 2234
45		8.1T	39 32.917	-0.0005	14	-63 31 4.98	-0.013	12	0.63	32.939	21	04.8	4.38	18	03.1	B9	GC	16070	P -63 1944
46	9.3	7.4W	39 55.054	-0.0003	06	-60 41 3.37	-0.002	06	0.14	55.055	14	46.3	3.36	14	46.3	K2	CO	3311	P -60 3266
47		7.5T	40 3.209	0.0004	16	-62 51 54.03	-0.017	10	0.64	3.193	21	05.8	53.19	19	01.7	B8	GC	16077	P -62 2237
48		7.6T	40 13.362	0.0030	17	-60 8 35.19	0.002	11	0.65	13.233	19	07.6	35.26	18	04.6	K5	GC	16079	P -59 3728
49	8.5	8.7W	40 22.586	0.0002	07	-61 13 42.65	-0.023	07	0.14	22.585	14	46.3	42.56	14	46.3	B8	CO	3314	P -60 3274
50	8.1	8.4W	40 25.848	-0.0015	07	-62 17 15.44	0.002	07	0.14	25.853	14	46.3	15.44	14	46.3	B3	CO	3315	P -61 2550
51		8.4T	11 40 26.958	-0.0015	11	-63 48 22.75	0.000	11	0.55	27.026	19	04.4	22.76	19	03.0	B5	GC	16081	P -63 1947
52			40 42.230	0.0008	12	-60 27 23.97	0.024	12	0.15	42.227	14	46.3	24.06	14	46.3	B3	CO	3317V	P*-60 3278
53		8.5	40 48.531	-0.0009	25	-65 6 8.32	-0.048	36	1.79	48.581	53	95.4	5.68	63	95.4		M4	2579	P -64 1690
54		8.3	40 57.204	-0.0036	25	-65 58 51.20	-0.039	36	1.47	57.362	53	06.4	49.49	63	06.4		M4	2581	P -65 1704
55		5.2T	41 7.342	-0.0006	07	-62 12 42.27	-0.002	05	0.26	7.366	10	11.6	42.17	10	07.0	F8P	GC	16092	P*-61 2559
56		7.2T	41 15.697	0.0016	14	-68 12 3.60	0.001	12	0.70	15.619	22	00.8	3.66	19	96.9	F0	GC	16095	P*-67 1804
57	8.3	8.6W	41 17.691	-0.0025	07	-62 57 24.26	-0.007	07	0.14	17.701	14	46.3	24.23	14	46.3	B9	CO	3320	P -62 2249
58	8.3I		41 18.129	-0.0011	07	-62 15 19.39	-0.014	07	0.14	18.133	14	46.3	19.34	14	46.3	B0	CO	3321	P -61 2560
59		6.2T	41 28.885	0.0031	11	-62 36 1.17	-0.020	09	0.54	28.731	18	99.6	0.08	17	96.4	A0	GC	16102	P -62 2250
60	8.9	9.2W	41 32.808	0.0012	13	-61 51 36.91	0.009	13	0.15	32.803	14	46.3	36.94	14	46.3	B8	CO	3323	P -61 2570
61	9.0	9.2W	41 34.013	-0.0021	06	-63 6 7.35	-0.004	06	0.14	34.021	14	46.3	7.33	14	46.3	B9	CO	3324	P -62 2251
62	8.6	9.0W	41 35.228	0.0015	06	-62 15 41.04	0.000	06	0.14	35.223	14	46.3	41.04	14	46.3	B8	CO	3325	P -61 2571
63	8.7	8.5W	41 39.350	-0.0128	06	-60 10 55.02	0.037	06	0.14	39.397	14	46.3	55.16	14	46.3	F8	CO	3326	P -59 3755
64	8.8	9.0W	41 52.387	-0.0015	06	-62 17 7.02	0.006	06	0.14	52.393	14	46.3	7.04	14	46.3	A0	CO	3327	P -61 2576
65	9.3	7.6W	42 13.888	0.0008	06	-60 34 21.90	-0.011	06	0.14	13.885	14	46.4	21.86	14	46.4	K5	CO	3328	P -60 3298
66	7.4	7.7W	42 16.450	-0.0020	06	-60 7 24.33	0.008	06	0.14	16.457	14	46.4	24.36	14	46.4	B5	CO	3329	P -59 3765
67	9.4	9.9W	42 34.120	-0.0010	13	-61 32 29.24	0.002	13	0.15	34.123	14	46.4	29.24	14	46.4	B5	CO	3330	P -61 2584
68	9.0	9.0W	42 40.608	-0.0047	07	-61 14 22.20	-0.010	07	0.14	40.625	14	46.4	22.16	14	46.4	A0	CO	3331	P -60 3304
69	8.5	8.8W	42 41.082	-0.0023	07	-63 15 47.10	-0.019	07	0.14	41.090	14	46.4	47.03	14	46.4	B5	CO	3332	P -62 2264
70	9.6	9.1W	42 43.940	-0.0008	07	-61 46 28.02	0.006	07	0.14	43.943	14	46.4	28.04	14	46.4	F8	CO	3333	P -61 2590
71	9.0	8.9W	42 54.959	0.0018	07	-62 13 11.06	-0.004	07	0.14	54.953	14	46.4	11.04	14	46.4	F0	CO	3334	P -61 2597
72		8.2T	42 56.214	-0.0006	12	-65 42 52.77	-0.001	12	0.65	56.246	22	99.0	52.70	21	98.2	M0	GC	16125	P -65 1708
73	8.9	8.9W	43 10.807	0.0012	07	-62 2 28.58	-0.009	07	0.14	10.803	14	46.4	28.54	14	46.4	A0	CO	3335	P -61 2601
74	8.4	8.5W	43 13.152	-0.0037	06	-60 55 26.08	-0.007	06	0.14	13.165	14	46.4	26.06	14	46.4	A0	CO	3336	P -60 3312
75		3.8H	43 14.023	-0.0161	03	-66 27 5.06	0.033	03	0.13	14.565	06	16.3	6.17	06	16.2	A5	F4	442	P -66 164
76	7.7	8.0W	43 19.273	-0.0005	06	-61 10 3.96	-0.001	06	0.14	19.275	14	46.4	3.96	14	46.4	B	CO	3337	P -60 3314
77	8.5	8.7W	43 20.341	0.0016	07	-61 11 12.36	-0.000	07	0.14	20.335	14	46.4	12.36	14	46.4	B	CO	3338	P -60 3315
78	9.5	9.8W	43 32.629	0.0005	07	-60 15 18.30	-0.011	07	0.14	32.627	14	46.4	18.26	14	46.4	F0	CO	3339	P -59 3780
79		4.2H	44 4.966	-0.0038	03	-60 54 1.03	-0.021	03	0.11	5.078	06	20.2	0.41	05	19.8	G0	F4	443	P -60 3325
80		8.0T	44 9.941	0.0014	12	-61 48 7.35	-0.019	09	0.57	9.877	19	03.5	6.35	18	98.7	B2	GC	16150	P -61 2611
81		8.9	44 11.601	0.0042	25	-67 36 16.23	0.075	36	1.67	11.388	53	99.3	20.05	63	99.3		M4	2591	P -67 1817
82		7.0T	44 11.780	-0.0026	09	-64 29 16.46	0.007	08	0.44	11.896	17	05.1	16.82	17	00.9	B8	GC	16151	P -64 1706
83		7.8T	44 15.076	-0.0073	13	-62 1 3.00	-0.024	10	0.59	15.400	21	05.7	1.80	19	00.9	K2	GC	16152	P -61 2615
84		8.7	44 17.388	-0.0038	25	-69 50 45.13	0.028	36	1.76	17.593	53	96.4	46.62	63	96.4		M4	2592	P -69 1584
85		8.3T	44 26.350	-0.0005	15	-60 45 48.75	-0.022	11	0.59	26.371	19	08.7	47.73	18	04.6	B8	GC	16157	P -60 3330
86	9.2	8.3W	44 29.088	-0.0047	07	-61 25 6.64	0.005	07	0.14	29.105	14	46.4	6.66	14	46.4	K0	CO	3344	P -61 2619
87		9.6T	44 46.275	-0.0045	18	-62 21 1.12	-0.022	14	0.68	46.454	19	10.5	0.22	18	10.0	A0	GC	16163	P -61 2621
88	9.1	9.5W	44 49.918	-0.0007	07	-60 36 48.75	0.001	07	0.14	49.915	14	46.4	48.76	14	46.4	B8	CO	3346	P -60 3336
89	9.5	9.0W	44 51.940	-0.0014	07	-61 12 22.89	-0.009	07	0.14	51.945	14	46.4	22.86	14	46.4	F1	CO	3347	P -60 3337
90	8.3	8.6W	44 52.263	0.0001	11	-62 9 29.31	0.010	11	0.15	52.263	14	46.4	29.34	14	46.4	B2	CO	3348	P -61 2622
91	8.7	8.7W	44 55.219	-0.0033	07	-63 1 23.93	0.001	07	0.14	55.231	14	46.4	23.93	14	46.4	A0	CO	3349	P -62 2294
92	7.9	8.0W	45 6.193	-0.0012	06	-60 20 40.66	0.001	06	0.14	6.197	14	46.4	40.66	14	46.4	B8	CO	3350	P -59 3803
93		7.1T	45 17.319	0.0018	12	-67 24 51.58	-0.010	09	0.59	17.231	21	01.2	50.84	19	94.2	K0	GC	16170	P -66 1648
94		8.5	45 29.994	-0.0049	25	-65 2 45.81	-0.037	36	1.79	30.262	53	95.4	43.78	63	95.4		M4	2595	P -64 1711
95	9.2	9.2W	45 33.632	-0.0002	13	-61 55 43.90	0.012	13	0.15	33.633	14	46.4	43.94	14	46.4	B0	CO	3352	P -61 2636
96	9.6	9.0W	45 46.857	-0.0065	07	-62 32 42.78	-0.013	07	0.14	46.881	14	46.4	42.74	14	46.4	F5	CO	3353	P -62 2310
97		4.7T	45 49.270	0.0032	08	-66 32 11.82	-0.021	05	0.29	49.143	12	10.8	10.86	10	03.6	K5	GC	16176	P*-66 1649
98	8.6	8.8W	45 56.452	-0.0009	06	-61 20 33.25	0.002	06	0.14	56.455	14	46.4	33.26	14	46.4	B8	CO	3354	P -60 3356
99	9.2	8.2W	46 14.545	-0.0000	07	-61 17 9.88	-0.006	07	0.14	14.545	14	46.4	9.86	14	46.4	G5	CO	3356	P*-60 3665
00		7.3T	46 56.827	-0.0032	17	-60 8 50.99	0.011	13	0.66	56.958	19	08.6	51.44	18	07.8	K5	GC	16196	P -59 3832

251600

-60° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		8.8	11 47 3.078	0.0023	25	-67 11 51.71	-0.065	36	1.70	2.957	45	97.4	48.32	53	97.4		M4	2802	P -66 1651
2		4.5T	47 14.269	-0.0032	08	-63 30 37.47	-0.002	08	0.30	14.390	12	12.0	37.40	12	06.0	B5	6C	16201	P+-63 1948
3	10.0	8.4W	47 16.357	0.0011	06	-62 15 6.89	-0.014	06	0.14	16.353	14	46.4	6.84	14	46.4	M0	6C	3359	P -61 2664
4		4.9T	47 31.922	-0.0040	07	-69 56 51.32	-0.003	05	0.29	32.081	10	10.6	51.18	12	05.4	G5	6C	16206	P+-69 1595
5		5.6T	47 59.593	-0.0012	07	-62 22 16.53	-0.007	05	0.27	59.640	12	11.2	16.19	10	04.7	A2P	6C	16213	P+-61 2677
6			48 4.320	-0.0015	06	-60 30 56.21	-0.015	06	0.14	4.325	14	46.4	56.16	14	46.4	B5	C0	3361V	P+-60 3415
7	8.3	6.6W	48 12.112	-0.0004	06	-62 16 25.68	-0.011	06	0.14	12.113	14	46.4	25.64	14	46.4	B8	C0	3362	P -61 2881
8		8.8	48 17.170	-0.0067	25	-68 34 24.35	-0.063	36	1.45	17.470	45	05.6	21.56	53	05.9		M4	2804	P -68 1574
9	8.9	8.8W	48 17.635	0.0013	07	-63 22 19.89	-0.015	07	0.14	17.631	14	46.4	19.83	14	46.4	A5	C0	3363	P -62 2350
10		8.0T	48 30.071	-0.0001	14	-67 48 10.25	-0.036	12	0.67	30.076	21	02.8	8.41	19	98.7	K0	6C	16221	P -67 1836
11		6.7T	48 44.770	-0.0008	09	-61 34 4.38	-0.002	08	0.48	44.810	18	00.5	4.25	17	96.7	B0	6C	16230	P+-61 2891
12	8.0	8.3W	48 50.517	0.0011	06	-61 31 39.10	-0.016	06	0.14	50.513	14	46.4	39.04	14	46.4	B	C0	3366	P -61 2895
13	9.7	9.9W	48 54.373	-0.0021	12	-62 38 13.37	-0.011	12	0.15	54.381	14	46.4	13.33	14	46.4	A0	C0	3367	P -62 2356
14		7.7T	48 54.810	-0.0006	13	-68 34 58.69	-0.013	12	0.66	54.841	21	01.7	59.33	21	99.9	F8	C0	16234	P -68 1576
15	10.0	7.7W	49 14.284	-0.0002	07	-60 32 49.01	-0.014	07	0.14	14.285	14	46.4	48.96	14	46.4	M4	C0	3368	P -60 3442
16		7.4T	49 21.168	-0.0012	12	-64 19 3.19	-0.018	10	0.58	21.223	21	03.2	2.31	18	00.1	B8	6C	16239K	P+-63 2003
17		5.1T	49 23.676	-0.0053	08	-64 55 39.74	-0.016	06	0.37	23.927	15	02.9	38.91	14	98.9	B5	6C	16241K	P+-64 1724
18	9.5	9.8W	49 41.468	0.0002	07	-60 15 8.79	-0.010	07	0.14	41.467	14	46.4	8.76	14	46.4	A	C0	3369	P -59 3875
19			49 59.812	0.0019	07	-61 14 45.12	0.011	07	0.14	59.805	14	46.4	45.16	14	46.4	B0	C0	3370V	P+-60 3454
20		8.0T	50 3.148	0.0036	17	-62 10 11.83	-0.051	20	0.74	3.007	19	10.7	9.84	19	11.2	K5	6C	16252	P -61 2725
21	8.8	7.7W	50 4.141	-0.0139	06	-62 33 30.84	0.000	06	0.14	4.191	14	46.4	30.84	14	46.4	K0	C0	3372	P -62 2373
22	9.6	9.9W	50 6.018	-0.0008	07	-62 30 6.58	0.015	07	0.14	6.021	14	46.4	6.63	14	46.4	B8	C0	3373	P -62 2374
23		7.4T	50 9.974	0.0017	11	-61 57 24.36	-0.008	09	0.49	9.897	18	04.3	24.74	17	00.6	B8	6C	16254	P -61 2729
24	9.0	9.5W	50 31.458	-0.0026	14	-64 8 24.65	-0.007	14	0.15	31.468	14	46.4	24.62	14	46.4	A0	C0	3376	P -63 2021
25		7.4T	50 51.692	-0.0011	12	-65 7 34.28	-0.006	11	0.60	51.743	21	01.9	33.99	18	99.2	B8	6C	16263	P -64 1729
26	8.1	8.4W	50 59.582	-0.0008	06	-61 0 8.06	0.001	06	0.14	59.585	14	46.4	8.06	14	46.4	A0	C0	3377	P -60 3473
27	10.4	8.6W	51 13.257	0.0005	07	-60 41 38.39	-0.007	07	0.14	13.255	14	46.4	38.36	14	46.4	K5	C0	3379	P -60 3476
28		7.9T	51 15.236	-0.0019	12	-65 0 39.17	0.034	11	0.61	15.324	21	02.7	40.87	19	00.3	B5	6C	16270	P -64 1731
29	7.9	8.2W	51 17.127	-0.0018	06	-61 55 5.52	0.008	06	0.14	17.133	14	46.4	5.54	14	46.4	A0	C0	3380	P -61 2756
30	9.5	9.8W	51 30.759	-0.0017	07	-60 42 2.68	-0.007	07	0.14	30.765	14	46.4	2.66	14	46.4	A0	C0	3381	P -60 3482
31		8.4	51 36.934	-0.0307	33	-67 23 29.49	0.091	43	2.31	38.706	75	92.3	34.77	57	92.3		M3	1523	
32	9.8		51 43.649	-0.0004	07	-63 18 17.62	-0.025	07	0.14	43.651	14	46.4	17.53	14	46.4	B9	C0	3382	P -62 2403
33	8.9	8.8W	52 0.853	-0.0022	07	-62 44 46.63	0.001	07	0.14	0.861	14	46.4	46.64	14	46.4	A2	C0	3383	P+-62 2406
34	7.6	7.9W	52 3.060	-0.0028	06	-63 25 19.65	-0.004	06	0.14	3.070	14	46.4	19.63	14	46.4	A0	C0	3384	P -63 2031
35	8.7	8.9W	52 9.450	-0.0009	07	-62 9 0.01	-0.017	07	0.14	9.453	14	46.4	59.94	14	46.4	B9	C0	3385	P -61 2772
36		8.5	52 12.525	0.0040	25	-64 56 27.74	-0.022	36	1.45	12.354	53	07.1	26.80	63	07.1		M4	2619	P -64 1734
37		6.5T	52 15.131	0.0025	12	-66 5 48.75	-0.066	09	0.55	15.014	21	02.2	45.51	18	01.2	F2	6C	16288	P -65 1744
38	8.6	8.4W	52 15.123	-0.0011	06	-60 24 23.42	-0.017	06	0.14	15.127	14	46.4	23.36	14	46.4	F0	C0	3386	P -59 3922
39		9.2T	52 28.252	-0.0060	18	-62 17 58.97	-0.019	14	0.81	28.530	24	03.9	58.00	21	00.1	M0	6C	16291	P -61 2779
40		6.0T	52 29.881	-0.0032	14	-63 0 2.48	-0.006	10	0.61	30.028	21	04.4	2.76	18	00.3	A2P	6C	16295	P+-62 2408
41		7.8T	52 31.137	-0.0035	11	-62 17 56.50	0.007	09	0.49	31.293	18	05.5	56.81	17	03.2	M0	6C	16297	P -61 2780
42	8.9	9.1W	52 50.410	-0.0023	07	-63 46 1.76	0.018	07	0.14	50.418	14	46.4	1.82	14	46.4	A0	C0	3390	P+-63 2035
43	7.8	8.1W	52 51.456	-0.0013	06	-63 25 30.34	-0.002	06	0.14	51.460	14	46.4	30.34	14	46.4	B8	C0	3391	P -63 2036
44	9.1	7.9W	52 58.601	-0.0035	06	-61 55 4.58	-0.010	06	0.14	58.613	14	46.4	4.54	14	46.4	F2	C0	3392	P -61 2788
45	9.6	9.7W	53 25.609	-0.0022	09	-60 0 27.63	-0.020	09	0.14	25.617	14	46.4	27.56	14	46.4	B8	C0	3393	P -59 3940
46	10.0		53 26.999	-0.0060	14	-62 36 15.94	-0.031	14	0.15	27.021	14	46.4	15.83	14	46.4	B8	C0	3394	P -62 2433
47	9.5	9.3W	53 36.338	-0.0062	13	-63 20 10.70	0.009	13	0.15	36.360	14	46.4	10.73	14	46.4	A5	C0	3395	P -63 2041
48		8.8	53 50.334	-0.0018	33	-69 23 16.33	-0.028	43	2.29	50.435	63	92.4	14.71	57	92.4		M3	1526	
49	8.1	8.3W	53 58.870	-0.0024	06	-63 30 50.14	-0.006	06	0.14	58.878	14	46.4	50.12	14	46.4	B9	C0	3396	P -63 2046
50	8.9	8.5W	54 4.595	-0.0015	07	-62 59 7.40	0.009	07	0.14	4.601	14	46.4	7.44	14	46.4	B3	C0	3397	P -62 2444
51		8.0	11 54 15.261	-0.0058	25	-69 52 39.86	0.008	36	1.64	15.551	53	00.4	40.25	63	00.4		M4	2629	P -69 1612
52	9.7		54 17.676	-0.0029	12	-63 47 39.49	0.010	12	0.15	17.688	14	46.4	39.52	14	46.4	A0	C0	3398	P -63 2049
53	9.4	9.7W	54 19.196	0.0008	07	-61 31 18.41	-0.020	07	0.14	19.193	14	46.4	18.34	14	46.4	B8	C0	3399	P -61 2813
54		7.3T	54 26.362	-0.0016	14	-62 58 14.77	-0.008	10	0.61	26.436	21	04.4	14.36	19	00.9	B0	C0	16342	P -62 2455
55	8.1	7.7W	54 35.525	-0.0016	06	-63 23 53.84	-0.001	06	0.14	35.531	14	46.4	53.83	14	46.4	F8	C0	3401	P -62 2459
56	9.5	9.3W	54 49.321	0.0001	07	-62 52 0.74	-0.002	07	0.14	49.321	14	46.4	0.73	14	46.4	B8	C0	3402	P -62 2462
57	8.9	7.2W	54 54.451	-0.0038	06	-60 50 41.85	0.003	06	0.14	54.465	14	46.4	41.86	14	46.4	K2	C0	3403	P -60 3530
58	8.9	8.9W	55 3.283	-0.0005	07	-61 16 16.79	-0.009	07	0.14	3.285	14	46.4	16.76	14	46.4	B8	C0	3404	P -60 3532
59		5.7T	55 8.488	-0.0026	08	-62 10 12.82	-0.011	07	0.32	8.592	12	10.4	12.33	12	07.0	B5	6C	16357	P+-61 2829
60		6.9T	55 14.271	-0.0061	13	-60 10 22.12	0.008	10	0.59	14.546	21	04.7	22.50	19	99.4	K0	6C	16361	P -59 3964
61		7.4T	55 26.668	-0.0028	12	-65 2 37.44	-0.005	10	0.58	26.801	19	02.1	37.21	18	00.3	F2	6C	16364	P -64 1751
62		9.0	55 38.839	0.0133	25	-66 48 49.44	0.005	36	1.44	38.256	45	06.2	49.67	53	06.2		M4	2636	P -66 1682
63	9.8		55 48.106	-0.0034	07	-64 15 38.72	-0.028	07	0.14	48.118	14	46.4	38.62	14	46.4	A0	C0	3407	P -63 2067
64		5.7T	56 15.522	0.0006	08	-64 3 39.46	0.006	07	0.33	15.498	14	11.3	39.73	12	07.9	A2P	6C	16383	P+-63 2073
65	8.7	8.9W	56 19.065	-0.0016	07	-62 41 45.02	0.004	07	0.14	19.071	14	46.4	45.04	14	46.4	B5	C0	3409	P -62 2476
66	8.7	9.0W	56 26.366	0.0008	07	-61 53 37.76	-0.031	07	0.14	26.363	14	46.4	37.65	14	46.4	B8	C0	3410	P -61 2852
67		8.7	56 39.293	0.0021	25	-65 1 15.07	-0.036	36	1.75	39.181	45	96.4	13.12	63	96.4		M4	2842	P -64 1757
68	8.5	8.3W	56 42.008	0.0041	09	-62 29 46.16	-0.004	09	0.14	41.993	14	46.4	46.14	14	46.4	F5	C0	3412	P -62 2480
69	9.8	8.5W	56 52.417	-0.0044	07	-61 34 19.53	0.004	07	0.14	52.433	14	46.4	19.54	14	46.4	K5	C0	3413	P -61 2859
70		6.6T	56 52.952	-0.0008	12	-62 33 9.44	-0.006	09	0.54	52.991	19	03.9	9.11	18	98.5	A5	6C	16397	P -62 2485
71	9.4	9.8W	57 5.261	-0.0026	13	-63 7 24.70	0.010	13	0.15	5.271	14	46.4	24.74	14	46.4	B8	C0	3415	P -62 2492
72		8.1T	57 7.943	-0.0024	14	-60 31 28.47	-0.001	11	0.60	8.048	19	06.1	28.40	18	01.9	B9	6C	16403	P+-60 3557
73		7.8T	57 16.077	0.0010	13	-62 33 11.32	0.002	12	0.59	16.036	19	07.1	11.40	19	03.3	K5	6C	16404	P -62 2498
74		8.8	57 21.147	0.0001	25	-69 36 22.97	-0.016	36	1.39	21.141	45	07.9	22.30	53	07.9		M4	2643	P -69 1617
75	9.1	7.7W	57 33.803	-0.0027	05	-62 16 56.76	-0.005	05	0.14	33.813	14	46.4	56.74	14	46.4	K2	C0	3418	P -61 2869
76	9.2	9.4W	57 33.919	-0.0026	14	-63 32 25.59	0.063	14	0.15	33.928	14	46.4	25.62	14	46.4	A0	C0	3419	P -63 2090
77	7.7	8.0W	57 45.015	-0.0028	07	-61 5 21.61	-0.014	07	0.14	45.025	14	46.4	21.56	14	46.4	B9	C0	3420	P+-60 3572
78	8.3	8.5W	58 12.932	-0.0046	12	-63 34 14.01	-0.023	12	0.15	12.948	14	46.4	13.92	14	46.4	B8	C0	3421	P -63 2096
79	9.5	9.9W	58 25.556	0.0036	14	-61 27 6.75	0.002	14	0.15	25.545	14	46.4	6.76	14	46.4	B9	C0	3422	P -61 2880
80	9.7		58 26.085	-0.0015	12	-62 56 26.65	0.023	12	0.15	26.091	14	46.4	26.73	14	46.4	A0	C0	3423	P -62 2521
81		9.1	58 29.000	-0.0008	25	-68 54 31.27	0.007	36	1.52	29.035	45	03.4	31.59	53	03.4		M4	2646	P -68 1597
82	8.8	9.0W	58 37.975	-0.0008	07	-63 58 11.25	-0.010	07	0.14	37.978	14	46.4	11.22	14	46.4	B9	C0	3424	P -63 2098
83	8.9	9.0W	58 46.306	-0.0008	07	-63 48 14.30	-0.021	07	0.14	46.308	14	46.4	14.22	14	46.4	B5	C0	3425	P -63 2100
84	8.3	8.5W	58 50.021	-0.0032	06	-62 19 53.00	-0.017	06	0.14	50.033	14	46.4	52.94	14	46.4	A0	C0	3426	P -61 2888
85	9.3	9.5W	58 57.797	-0.0001	08	-60 4 8.88	-0.005	06	0.14	57.797	14	46.4	8.86	14	46.4	B9	C0	3427	P -59 4008
86		9.7T	58 58.024	0.0020	20	-62 57 9.61	-0.017	17	0.86	57.937	24	05.6	8.80	22	03.2	G0	6C	16435	P -62 2525
87	8.9	9.1W	59 3.473	-0.0020	07	-63 17 5.42	0.002	07	0.14	3.481	14	46.4	5.43	14	46.4	B8	C0	3429	P -62 2526
88		7.0T	59 10.475	0.0016	13	-68 55 10.60	-0.034	08	0.60	10.395	21	01.0	8.64	18	92.8	K0	6C	16441	P -68 1600
89	9.5	8.5W	59 11.361	-0.0006	06	-62 14 50.04	0.001	06	0.14	11.363	14	46.4	50.04	14	46.4	K0	C0	3430	P -61 2898
90	10.0		59 30.287	0.0018	12	-62 58 39.41	0.007	12	0.15	30.281	14	46.4	39.44	14	46.4	B	C0	3431	P -62 2531
91	9.5	9.6W	59 35.624	-0.0045	14	-63 28 26.23	0.029	14	0.15	35.640	14	46.4	26.33	14	46.4	A0	C0	3432	P -63 2105
92	9.4	9.2W	59 39.762	-0.0080	07	-63 13 36.72	0.005	07	0.14	39.791	14	46.4	36.73	14	46.4	F5	C0	3433	P -62 2534
93	8.4	8.3W	59 42.249	-0.0033	07	-63 11 31.98	-0.012	07	0.14	42.261	14	46.4	31.93	14	46.4	A5	C0	3434	P -62 2536
94		8.7	59 45.309	-0.0012	25	-68 32 10.07	-0.035	36	1.64	45.249	53	00.4	8.35	63	00.4		M4	2648	P -68 1602
95	9.3	9.3W	59 49.170	-0.0015	07	-61 10 22.76	-0.000	07	0.14	49.175	14	46.4	22.76	14	46.4	B0	C0	3435	P -60 3621
96		7.5T	59 50.055	-0.0003	10	-62 8 4.77	0.011	08	0.48	50.070	18	02.0	5.32	17	97.8	B5	6C	16450	P -61 2906
97	8.4	8.6W	59 55.563	-0.0022	12	-62 47 31.61	0.006	12	0.15	55.571	14	46.4	31.63	14	46.4	B5	C0	3437	P -62 2537
98	9.2	9.3W	59 58.979	0.0005	11	-60 28 22.24	0.005	11	0.15	58.977	14	46.4	22.26	14	46.4	A	C0	3438	P -60 3633
99		6.1T	12 0 3.271	-0.0090	08	-68 54 49.44	-0.018	05	0.34	3.665	14	05.9	48.53	14	99.9	B8	6C	16455	P -68 1604
00	8.8	8.9W	0 14.977	0.0006	06	-60 38 42.92	-0.017	06	0.14	14.975	14	46.4	42.86	14	46.4	B9	C0	3440	P -60 3642

251700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 12H DM NUMBER
1		8.3	12 0 15.835	0.0014	25	-65 21 35.58	-0.035	36	1.44	15.773	45	06.4	34.06	53	06.4		M4	2650	P -64 1776
2		6.6T	0 21.696	-0.0025	12	-61 53 48.61	-0.008	09	0.48	21.800	17	08.5	48.22	17	03.2	B0	GC	16459	P -61 2914
3	7.9	8.2W	0 23.843	0.0000	05	-62 23 36.33	0.003	05	0.14	23.843	14	46.4	36.34	14	46.4	B5	CO	3442	P -61 2915
4	9.8	9.8W	0 25.975	-0.0014	13	-63 22 40.58	-0.013	13	0.15	25.981	14	46.4	40.53	14	46.4	A2	CO	3443	P -62 2542
5		4.5T	0 27.925	-0.0214	05	-63 2 4.31	0.003	04	0.24	28.913	09	03.9	4.45	09	99.2	A5	GC	16463K	P*-62 2543
6	8.8	8.9W	0 30.462	-0.0004	09	-61 43 6.37	-0.008	09	0.14	30.463	14	46.4	6.34	14	46.4	A0	CO	3445	P -61 2918
7		8.5T	0 38.815	0.0004	12	-64 4 22.85	-0.015	11	0.57	38.795	21	03.4	22.17	19	03.4	B3	GC	16466	P -63 2115
8	9.4	9.2W	0 43.780	-0.0024	12	-63 38 54.35	-0.009	12	0.15	43.788	14	46.4	54.32	14	46.4	A0	CO	3446	P -63 2116
9	7.6	7.9W	0 49.064	0.0004	07	-62 25 3.02	0.008	07	0.14	49.063	14	46.4	3.04	14	46.4	B0	CO	3447	P -62 2549
10	9.2	8.1W	0 53.386	-0.0069	07	-63 10 53.56	-0.009	07	0.14	53.411	14	46.4	53.53	14	46.4	K0	CO	3448	P -62 2551
11	7.5	7.8W	0 57.807	0.0004	07	-60 49 11.11	-0.014	07	0.14	57.805	14	46.4	11.06	14	46.4	B8	CO	3449	P -60 3663
12	9.5	9.5W	0 59.783	-0.0013	07	-60 13 8.11	-0.013	07	0.14	59.787	14	46.4	8.06	14	46.4	A0	CO	3450	P -59 4031
13	8.6	8.7W	1 1.562	-0.0009	07	-60 47 54.10	-0.010	07	0.14	1.565	14	46.4	54.06	14	46.4	A0	CO	3451	P -60 3664
14	9.6	8.4W	1 2.644	-0.0004	06	-60 40 9.81	-0.013	06	0.14	2.645	14	46.4	9.76	14	46.4	K0	CO	3452	P -60 3665
15	9.7	9.8W	1 33.040	-0.0008	09	-62 1 22.55	-0.003	09	0.14	33.043	14	46.4	22.54	14	46.4	B9	CO	3453	P -61 2931
16		6.9T	1 33.193	-0.0018	13	-69 14 37.24	-0.015	12	0.68	33.281	22	99.9	36.43	19	96.3	+++	GC	16484	P*-68 1610
17		5.0T	1 43.852	-0.0023	07	-62 53 14.24	0.003	05	0.28	43.947	12	09.5	14.37	12	02.2	B3	GC	16490	P -62 2561
18	7.9	8.0W	1 49.038	0.0007	07	-60 45 26.44	-0.021	07	0.14	49.035	14	46.4	26.36	14	46.4	B3	CO	3455	P -60 3683
19	9.2	8.0W	1 57.149	-0.0032	07	-63 17 55.48	-0.014	07	0.14	57.161	14	46.4	55.44	14	46.4	K0	CO	3456	P -62 2563
20		5.4T	2 2.998	-0.0085	07	-68 3 1.85	-0.018	05	0.29	3.328	12	11.2	1.06	12	05.3	A0	GC	16493	P -67 1896
21		7.7T	2 11.264	-0.0013	14	-61 43 6.12	-0.002	10	0.56	11.320	18	07.6	6.01	17	03.6	B8	GC	16499K	P -61 2933
22		8.1T	2 13.041	-0.0008	14	-61 43 25.15	-0.011	10	0.57	13.076	19	07.2	24.63	18	04.7	F5	GC	16500K	P -61 2935
23		6.0T	2 21.690	-0.0047	12	-60 41 24.68	-0.037	11	0.57	21.908	19	03.6	22.84	19	00.7	M0	GC	16503	P -60 3697
24		7.9T	2 23.138	0.0049	15	-69 43 24.16	-0.001	13	0.73	22.907	22	02.4	24.10	21	98.1	K5	GC	16504	P -69 1626
25		8.5T	2 23.671	0.0064	13	-69 31 57.00	-0.005	12	0.68	23.352	22	99.9	56.72	21	97.0	K0	GC	16505	P -69 1627
26	9.4	8.4W	2 28.042	-0.0037	07	-60 35 17.62	0.012	07	0.14	28.055	14	46.4	17.66	14	46.4	K0	CO	3460	P -60 3701
27		7.0T	2 32.991	-0.0054	15	-60 54 3.95	-0.034	12	0.63	33.225	19	06.5	2.32	18	02.6	K0	GC	16508	P -60 3704
28		9.0	2 35.318	-0.0007	25	-68 8 3.84	-0.051	36	1.67	35.354	53	99.3	1.26	63	99.3		M4	2653	P -67 1897
29	8.8	8.6W	2 45.477	-0.0022	11	-61 29 1.71	0.015	11	0.15	45.485	14	46.4	1.76	14	46.4	A5	CO	3462	P -61 2946
30		7.1T	2 47.407	-0.0125	15	-62 41 51.52	-0.008	09	0.62	47.978	21	04.4	51.07	19	96.3	A2	GC	16517	P -62 2573
31	8.6	8.7W	2 51.161	-0.0039	11	-61 3 55.87	-0.002	11	0.15	51.175	14	46.4	55.86	14	46.4	A0	CO	3464	P -60 3712
32		7.2T	2 55.381	-0.0017	13	-63 59 42.31	-0.003	11	0.62	55.458	21	03.9	42.18	19	00.5	F0	GC	16519	P -63 2139
33		7.8T	3 12.748	-0.0002	13	-69 17 41.03	-0.021	12	0.67	12.756	22	00.4	39.91	21	97.3	B0P	GC	16525	P -68 1612
34		6.5T	3 16.856	-0.0040	12	-65 16 7.26	-0.018	09	0.55	17.045	21	02.4	6.31	19	96.2	B8	GC	16527	P -64 1791
35		7.4T	3 31.357	-0.0081	13	-68 50 51.62	0.046	11	0.65	31.763	22	00.1	54.00	18	98.1	G0	GC	16534	P -68 1614
36		7.8T	3 40.649	-0.0048	14	-69 31 12.38	-0.023	13	0.73	40.893	19	99.5	11.14	18	96.6	B2	GC	16540	P -69 1632
37		6.2T	3 42.514	-0.0013	11	-68 22 21.37	0.014	10	0.62	42.584	21	96.6	22.18	18	93.4	K0	GC	16542	P -67 1903
38		6.2T	3 46.526	-0.0070	10	-65 25 50.85	-0.004	09	0.52	46.887	19	98.3	50.64	18	94.6	F5	GC	16544K	P*-65 1788
39	8.4	8.6W	3 57.058	0.0007	07	-60 48 19.96	-0.028	07	0.14	57.055	14	46.4	19.86	14	46.4	B8	CO	3466	P -60 3733
40	8.9	9.0W	4 2.993	0.0013	06	-63 39 44.43	-0.003	06	0.14	2.988	14	46.4	44.42	14	46.4	A0	CO	3467	P -63 2143
41	9.2	9.4W	4 11.750	-0.0041	07	-60 54 34.98	-0.035	07	0.14	11.765	14	46.4	34.86	14	46.4	A0	CO	3468	P -60 3744
42		4.3T	4 15.481	0.0052	04	-64 20 5.32	-0.039	04	0.18	15.262	07	08.1	3.65	07	06.9	F0	GC	16551K	P*-63 2145
43	9.0	9.0W	4 15.836	0.0002	06	-60 59 32.19	-0.009	06	0.14	15.835	14	46.4	32.16	14	46.4		CO	3469	P -60 3746
44	9.2	9.5W	4 20.962	-0.0036	06	-60 59 20.56	-0.000	06	0.14	20.975	14	46.4	20.56	14	46.4		CO	3470	P -60 3748
45	9.6	9.8W	4 24.616	-0.0047	13	-62 14 10.00	-0.016	13	0.15	24.633	14	46.4	9.94	14	46.4	B9	CO	3471	P -61 2959
46	8.9	9.1W	4 34.534	-0.0030	07	-60 59 9.62	-0.017	07	0.14	34.545	14	46.4	9.56	14	46.4	B5	CO	3472	P -60 3757
47	9.1	9.2W	4 36.770	-0.0002	07	-62 51 51.68	0.016	07	0.14	36.771	14	46.4	51.73	14	46.4	B9	CO	3473	P -62 2580
48	9.0	8.7W	4 39.608	-0.0112	07	-64 9 40.68	0.011	07	0.14	39.648	14	46.4	40.72	14	46.4	F2	CO	3474	P -63 2146
49		7.1T	4 39.848	-0.0243	10	-64 24 13.30	-0.010	09	0.49	40.930	18	05.4	12.81	18	99.7	F5	GC	16558	P -63 2147
50		9.1	4 39.976	-0.0057	25	-67 56 48.84	-0.043	36	1.64	40.264	45	99.4	46.67	53	99.4		M4	2658	P -67 1906
51		8.4	12 4 48.489	0.0024	25	-65 37 18.02	-0.034	36	1.69	48.367	53	98.8	16.30	63	98.8		M4	2659	P -65 1791
52		8.9	5 15.812	0.0002	25	-67 36 21.05	-0.046	36	1.47	15.803	53	06.4	19.02	63	06.4		M4	2661	P -67 1907
53		9.1	5 30.575	-0.0077	25	-66 42 23.46	-0.036	36	1.77	30.996	45	95.5	21.48	63	95.4		M4	2662	P -66 1704
54		7.6T	5 31.774	-0.0133	14	-60 30 11.67	0.036	11	0.57	32.321	18	08.8	13.27	18	05.1	G5	GC	16577	P -60 3771
55	9.1	8.0W	5 34.548	-0.0048	06	-60 50 9.48	-0.007	06	0.14	34.565	14	46.4	9.46	14	46.4	K2	CO	3476	P -60 3772
56	9.5	9.0W	5 40.907	-0.0022	07	-61 21 25.29	-0.010	07	0.14	40.915	14	46.4	25.26	14	46.4	F0	CO	3477	P -60 3774
57		6.2T	5 47.305	-0.0012	11	-60 34 7.81	-0.002	07	0.47	47.360	19	04.2	7.69	15	99.9	K2	GC	16585	P -60 3777
58	8.9	9.0W	5 56.121	-0.0005	07	-62 5 25.57	-0.007	07	0.14	56.123	14	46.4	25.54	14	46.4	A0	CO	3479	P -61 2972
59	9.2	9.4W	6 23.325	-0.0000	14	-61 12 19.66	0.028	14	0.15	23.325	14	46.4	19.76	14	46.4	B3	CO	3480	P -60 3792
60	9.4	8.9W	6 36.563	-0.0039	06	-60 12 56.30	-0.012	06	0.14	36.577	14	46.4	56.26	14	46.4	F0	CO	3481	P -59 4078
61	9.3	9.5W	6 36.953	-0.0055	13	-61 45 13.47	-0.034	13	0.15	36.973	14	46.4	13.34	14	46.4	B8	CO	3482	P -61 2979
62	8.1	8.3W	6 37.433	-0.0021	06	-63 27 9.96	-0.006	06	0.14	37.440	14	46.4	9.93	14	46.4	A3	CO	3483	P -63 2158
63		7.8	6 37.813	-0.0036	25	-65 49 47.59	-0.022	36	1.78	38.011	53	95.7	46.37	63	95.7		M4	2668	P -65 1799
64	9.0	9.1W	6 43.682	-0.0003	07	-61 56 4.98	0.019	07	0.14	43.683	14	46.4	5.04	14	46.4	B9	CO	3484	P -61 2981
65	8.3	7.0W	6 44.794	-0.0011	06	-63 32 32.17	-0.013	06	0.14	44.798	14	46.4	32.12	14	46.4	B	CO	3485	P*-63 2160
66	8.6	8.7W	6 46.781	-0.0010	06	-60 40 31.98	-0.032	06	0.14	46.785	14	46.4	31.86	14	46.4	B9	CO	3486	P -60 3796
67	8.5	8.7W	6 47.330	0.0013	06	-60 45 43.90	-0.011	06	0.14	47.325	14	46.4	43.86	14	46.4	A	CO	3487	P -60 3797
68		7.9T	6 58.954	-0.0056	11	-67 10 32.84	-0.013	11	0.59	59.244	18	98.2	32.15	18	95.5	B9	GC	16605	P -66 1707
69	8.0	8.2W	7 6.237	-0.0016	06	-62 18 12.85	-0.002	06	0.14	6.243	14	46.4	12.84	14	46.4	B0	CO	3488	P -61 2987
70	8.1	8.3W	7 11.441	0.0007	06	-63 38 14.92	0.001	06	0.14	11.438	14	46.4	14.92	14	46.4	B2	CO	3489	P -63 2162
71	8.7	8.7W	7 32.589	-0.0026	07	-64 9 43.91	-0.023	07	0.14	32.598	14	46.4	43.82	14	46.4	A0	CO	3490	P -63 2168
72	9.7	9.7W	7 44.449	-0.0005	14	-63 19 51.06	0.048	14	0.15	44.451	14	46.4	51.24	14	46.4	B5	CO	3491	P -62 2604
73		8.8	7 48.103	-0.0187	25	-66 53 54.89	0.000	36	1.67	49.048	53	99.4	54.91	63	99.4		M4	2674	P -66 1711
74	9.0	9.3W	7 49.353	0.0000	07	-61 56 11.08	-0.009	07	0.14	49.353	14	46.4	11.04	14	46.4	A0	CO	3492	P -61 2991
75	8.7	8.7W	7 58.098	-0.0019	06	-60 41 45.87	-0.030	06	0.14	58.105	14	46.4	45.76	14	46.4	A0	CO	3493	P*-60 3805
76		6.6T	8 20.490	0.0007	13	-67 58 57.60	-0.032	11	0.65	20.455	19	01.2	55.92	19	97.2	K0	GC	16633	P -67 1916
77	8.4	8.5W	8 21.795	-0.0024	07	-61 39 19.74	-0.026	07	0.14	21.803	14	46.4	19.64	14	46.4	A0	CO	3494	P -61 2999
78		6.2T	8 26.909	-0.0179	13	-60 59 56.41	-0.023	09	0.55	27.703	19	05.6	55.24	18	00.3	F0	GC	16636	P -60 3812
79		9.2	8 37.542	-0.0097	25	-68 50 17.95	-0.029	36	1.64	38.036	45	99.4	16.47	53	99.4		M4	2677	P -68 1624
80	8.2	8.2W	8 41.631	0.0008	06	-63 41 22.49	0.009	06	0.14	41.628	14	46.4	22.52	14	46.4	B3	CO	3496	P -63 2178
81	9.8	9.9W	8 47.071	0.0017	11	-60 40 6.76	0.001	11	0.15	47.065	14	46.4	6.76	14	46.4	B5	CO	3497	P -60 3816
82		7.7	9 3.977	-0.0000	25	-64 40 13.81	-0.095	36	1.47	3.978	53	06.4	9.69	63	06.4		M4	2680	P -64 1815
83	9.1	9.0W	9 6.556	0.0015	06	-63 5 42.52	0.005	06	0.14	6.551	14	46.4	42.54	14	46.4	B8	CO	3498	P -62 2616
84		7.6T	9 20.156	-0.0027	16	-63 6 10.26	-0.061	13	0.72	20.280	21	04.7	7.31	19	01.9	F2	GC	16660	P -62 2619
85		6.7T	9 20.490	-0.0029	14	-64 13 56.52	-0.017	09	0.59	20.621	21	04.5	55.66	18	98.5	A2	GC	16661	P*-63 2185
86	8.1	8.3W	9 24.930	-0.0010	07	-61 50 50.00	0.013	07	0.14	24.933	14	46.4	50.04	14	46.4	B9	CO	3500	P -61 3006
87	9.7	9.9W	9 26.614	-0.0004	12	-61 29 56.39	0.018	12	0.15	26.615	14	46.4	56.46	14	46.4	B5	CO	3501	P -61 3007
88		7.0T	9 30.609	-0.0057	13	-63 10 33.16	-0.020	09	0.55	30.865	19	05.3	32.13	18	99.4	A0	GC	16665	P -62 2622
89	9.8	9.4W	9 35.451	-0.0044	06	-60 3 32.03	-0.020	06	0.14	35.467	14	46.4	31.96	14	46.4	G0	CO	3503	P -59 4095
90		6.2T	9 42.069	-0.0003	12	-62 40 21.55	-0.003	09	0.50	42.083	18	08.7	21.39	18	01.4	B2	GC	16669	P -62 2624
91		6.2I	10 4.183	-0.0028	11	-69 52 25.51	-0.016	11	0.61	4.325	21	00.1	24.66	19	97.5	F8P	GC	16679V	P*-69 1646
92	9.4	8.4W	10 9.640	-0.0009	07	-61 37 11.19	-0.012	07	0.14	9.643	14	46.4	11.14	14	46.4	K0	CO	3505	P -61 3019
93		8.0T	10 21.623	0.0027	12	-62 2 5.48	-0.000	11	0.59	21.497	17	03.2	5.46	17	01.9	B8	GC	16684	P -61 3022
94	9.1	8.1W	10 27.575	0.0028	06	-60 47 45.31	-0.014	06	0.14	27.565	14	46.4	45.26	14	46.4	G5	CO	3507	P -60 3832
95	9.1	9.1W	10 45.614	0.0018	07	-60 24 12.81	-0.013	07	0.14	45.607	14	46.4	12.76	14	46.4	A0	CO	3508	P -59 4114
96	9.9	9.7W	10 47.954	-0.0031	11	-61 19 43.92	0.010	11	0.15	47.965	14	46.4	43.96	14	46.4	B8	CO	3509	P -60 3836
97	9.6	9.7W	10 50.159	-0.0012	07	-62 3 35.92	0.007	07	0.14	50.163	14	46.4	35.94	14	46.4	B8	CO	3510	P -61 3028
98	9.4	9.5W	10 56.031	-0.0017	07	-60 19 1.34	-0.024	07	0.14	56.037	14	46.4	1.26	14	46.4	B9	CO	3511	P -59 4115
99	8.9	8.9W	11 0.440	-0.0015	07	-60 55 0.55	-0.025	07	0.14	0.445	14	46.4	0.46	14	46.4	A0	CO	3512	P -60 3840
00	7.9	8.0W	11 4.893	-0.0022	07	-62 39 12.35	0.023	07	0.14	4.901	14	46.4	12.44	14	46.4	B5	CO	3513	P -62 2633

251800

-60° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	8.5	8.5W	12 11 26.717	0.0010	06	-62 0 48.51	-0.019	06	0.14	26.713	14	46.4	48.44	14	46.4	B0	CD	3514	P -61 3036
2		7.3T	11 34.680	-0.0036	12	-66 16 15.61	-0.020	08	0.57	34.859	19	01.0	14.45	18	93.3	B5	GC	16706	P -65 1819
3		6.4T	11 35.383	-0.0011	13	-64 7 49.75	-0.002	09	0.54	35.427	18	08.6	49.67	18	01.4	B1	GC	16707	P*-63 2203
4		7.5T	11 43.876	0.0014	13	-66 14 47.77	-0.003	08	0.57	43.815	19	04.6	47.59	18	96.5	B1	GC	16715	P -65 1820
5	9.2	8.5W	11 50.430	-0.0008	07	-61 37 25.48	-0.010	07	0.14	50.433	14	46.4	25.44	14	46.4	B	CD	3517	P -61 3039
6	8.1	8.5W	12 15.391	-0.0019	06	-64 10 55.49	0.009	06	0.14	15.398	14	46.4	55.52	14	46.4	B8	CD	3518	P -63 2207
7	9.1	9.2W	12 15.627	-0.0022	07	-60 40 53.34	0.007	07	0.14	15.635	14	46.4	53.36	14	46.4	A0	CD	3519	P*-60 3858
8	9.1	8.0W	12 16.033	0.0001	07	-61 35 29.71	-0.018	07	0.14	16.033	14	46.4	29.65	14	46.4	K0	CD	3520	P -61 3043
9	9.3	7.9W	12 35.688	-0.0008	07	-62 36 35.07	0.019	07	0.14	35.691	14	46.4	35.14	14	46.4	G5	CD	3521	P -62 2646
10	9.0	8.5W	12 37.046	-0.0039	06	-63 8 49.00	-0.019	06	0.14	37.060	14	46.4	48.93	14	46.4	G5	CD	3522	P -62 2648
11	8.9	9.1W	12 37.178	-0.0034	06	-63 13 44.59	0.013	06	0.14	37.191	14	46.4	44.63	14	46.4	B9	CD	3523	P -62 2647
12	9.2	8.9W	12 40.354	-0.0004	07	-60 45 6.51	-0.014	07	0.14	40.355	14	46.4	6.46	14	46.4	F0	CD	3524	P -60 3861
13	9.2	9.1W	12 42.400	-0.0041	07	-61 19 55.92	-0.017	07	0.14	42.415	14	46.4	55.86	14	46.4	A2	CD	3525	P -60 3862
14	9.2	8.8W	12 46.945	-0.0078	06	-62 15 39.41	-0.018	06	0.14	46.973	14	46.4	39.35	14	46.4	G0	CD	3526	P*-61 3049
15		8.4	12 52.689	-0.0058	33	-67 37 5.90	-0.061	43	2.29	53.022	63	92.4	2.41	57	92.4		MS	1557	
16	8.0	8.0W	13 4.084	-0.0002	06	-60 51 7.08	-0.005	06	0.14	4.025	14	46.4	7.06	14	46.4	B0	CD	3527	P -60 3863
17	8.9	9.0W	13 12.818	-0.0029	07	-63 42 10.83	-0.004	07	0.14	12.828	14	46.4	10.82	14	46.4	B9	CD	3528	P -63 2216
18		8.3	13 18.918	-0.0050	25	-64 54 52.75	-0.003	36	1.47	19.137	53	06.4	52.61	63	06.4		MA	2698	P -64 1835
19	7.6	7.8W	13 24.866	-0.0006	06	-64 10 34.74	-0.005	06	0.14	24.868	14	46.4	34.72	14	46.4	B8	CD	3529	P -63 2217
20	9.7	9.4W	13 29.828	-0.0026	07	-60 15 10.57	-0.002	07	0.14	29.837	14	46.4	10.56	14	46.4	B0 O	CD	3530	P -59 4147
21	9.2	9.4W	13 34.772	-0.0052	14	-62 42 56.18	0.042	14	0.15	34.791	14	46.4	56.33	14	46.4	A0	CD	3531	P -62 2658
22	9.2	8.3W	13 45.861	-0.0086	06	-61 21 18.86	0.001	06	0.14	45.885	14	46.4	18.86	14	46.4	K0	CD	3532	P -60 3873
23	9.6	9.8W	13 46.745	-0.0022	08	-62 24 18.33	0.005	08	0.14	46.753	14	46.4	18.34	14	46.4	B8 O	CD	3533	P -61 3059
24	8.0	8.2W	13 49.107	-0.0037	07	-63 15 11.53	0.000	07	0.14	49.120	14	46.4	11.53	14	46.4	B8	CD	3534	P -62 2659
25		7.0T	13 56.773	-0.0215	14	-62 55 12.74	-0.003	11	0.62	57.768	21	03.8	12.58	18	00.5	G0	GC	16753	P -62 2661
26		6.2T	14 22.691	-0.0081	14	-65 24 53.43	-0.007	11	0.65	23.064	21	03.9	53.09	19	99.8	A0	GC	16760	P -64 1844
27		8.7	14 36.718	-0.0057	25	-68 49 20.26	-0.021	36	1.74	37.025	53	96.5	19.12	53	96.4		MA	2703	P -68 1638
28	9.4	9.0W	14 40.707	-0.0204	07	-62 56 57.29	0.013	07	0.14	40.781	14	46.4	57.33	14	46.4	G5	CD	3537	P -62 2667
29	8.9	8.9W	14 47.243	-0.0013	07	-60 5 0.28	-0.005	07	0.14	47.247	14	46.4	0.26	14	46.4	B9	CD	3539	P -59 4160
30		4.2T	14 51.002	-0.0417	06	-67 40 57.38	-0.031	05	0.26	52.840	09	05.9	55.93	09	02.8	MB	GC	16764	P*-67 1931
31		8.6	14 51.637	-0.0087	25	-66 41 28.81	-0.053	36	1.64	52.069	53	00.4	26.17	63	00.4		MA	2705	P -66 1732
32			15 2.450	-0.0086	14	-63 20 18.14	-0.057	14	0.15	2.481	14	46.4	17.94	14	46.4	K5	CD	3540V	P*-62 2670
33		8.6	15 5.904	0.0072	25	-68 56 30.33	-0.014	36	1.56	5.966	53	03.4	29.66	63	03.4		MA	2706	P -68 1639
34		8.6	15 8.805	0.0063	25	-67 23 55.07	-0.065	36	1.55	8.514	53	03.7	52.08	63	03.7		MA	2709	P -66 1733
35	8.5	8.3W	15 16.820	0.0089	06	-63 54 29.07	-0.014	06	0.14	16.788	14	46.4	29.02	14	46.4	F0	CD	3541	P -63 2230
36	9.5	8.9W	15 22.469	-0.0023	07	-60 23 48.92	-0.015	07	0.14	22.477	14	46.4	48.86	14	46.4	G5	CD	3542	P -59 4164
37		7.6T	15 24.164	-0.0014	13	-61 11 31.66	-0.016	10	0.57	24.227	19	05.4	30.86	18	01.6	B9	GC	16777	P -60 3890
38	9.2	9.4W	15 26.223	0.0033	07	-62 44 33.25	0.025	07	0.14	26.211	14	46.4	33.34	14	46.4	B8 O	CD	3544	P -62 2673
39	8.9	8.9W	15 28.964	-0.0024	06	-61 53 56.74	0.003	06	0.14	28.973	14	46.4	56.74	14	46.4	A0	CD	3545	P -61 3075
40	9.4	9.2W	15 29.646	-0.0041	07	-62 42 24.59	0.013	07	0.14	29.661	14	46.4	24.64	14	46.4	F5 O	CD	3546	P -62 2674
41		4.3T	15 42.632	-0.0067	07	-63 43 30.91	-0.016	05	0.28	42.899	12	10.1	30.18	12	03.5	B3	GC	16785K	P*-63 2235
42	9.3	8.3W	15 47.386	-0.0053	07	-60 38 12.14	-0.024	07	0.14	47.405	14	46.4	12.06	14	46.4	G5	CD	3548	P -60 3894
43	9.3	9.4W	16 7.422	-0.0025	12	-62 58 31.67	-0.011	12	0.15	7.431	14	46.4	31.63	14	46.4	A0	CD	3549	P -62 2680
44	7.7	7.9W	16 28.510	-0.0015	06	-60 51 30.71	-0.014	06	0.14	28.515	14	46.4	30.66	14	46.4	A0	CD	3551	P -60 3898
45	9.6	9.5W	16 33.089	-0.0040	07	-61 41 13.00	-0.015	07	0.14	33.103	14	46.4	12.94	14	46.4	A2 O	CD	3552	P -61 3084
46	9.5	9.6W	16 36.970	0.0013	06	-60 51 44.60	-0.011	06	0.14	36.965	14	46.4	44.56	14	46.4	A0	CD	3553	P -60 3899
47	9.0	8.9W	17 5.869	0.0004	06	-60 13 38.80	-0.010	06	0.14	5.867	14	46.4	38.76	14	46.4	B5	CD	3554	P -59 4178
48		6.9T	17 9.561	-0.0000	12	-62 34 35.79	0.004	09	0.56	9.563	18	02.4	35.98	17	97.9	B3	GC	16807	P -62 2688
49		8.3	17 27.777	-0.0018	25	-69 29 50.59	-0.006	36	1.58	27.861	53	02.4	50.30	63	02.4		MA	2714	P -69 1654
50	9.1	9.3W	17 29.088	-0.0007	07	-63 24 20.90	0.009	07	0.14	29.090	14	46.4	20.93	14	46.4	A0	CD	3556	P -62 2692
51	8.8	9.0W	12 17 30.193	-0.0027	06	-62 15 6.25	0.025	06	0.14	30.203	14	46.4	6.34	14	46.4	B8	CD	3557	P -61 3088
52		7.2T	17 30.973	-0.0019	16	-64 22 13.40	-0.008	11	0.65	31.056	21	06.0	13.03	19	01.8	G5	GC	16820	P -63 2246
53	9.8	9.8W	17 36.802	0.0019	07	-60 33 2.15	-0.026	07	0.14	36.795	14	46.4	2.06	14	46.4	B8 O	CD	3558	P -60 3911
54		6.4T	17 42.463	-0.0081	11	-65 33 54.45	-0.021	08	0.52	42.845	19	03.0	53.31	17	96.8	B9	GC	16824	P*-65 1842
55		8.4T	17 44.341	-0.0028	13	-65 32 10.37	-0.020	10	0.58	44.469	19	04.8	9.33	18	99.3	K0	GC	16826	P -65 1844
56	9.6	9.7W	18 15.853	-0.0011	07	-60 16 45.93	0.010	07	0.14	15.857	14	46.4	45.96	14	46.4	B9	CD	3559	P -59 4185
57	8.8	8.9W	18 18.980	-0.0036	07	-61 45 59.49	-0.012	07	0.14	18.993	14	46.4	59.44	14	46.4	B8	CD	3560	P -61 3095
58		8.6T	18 22.874	-0.0053	18	-65 33 29.84	-0.040	15	0.73	23.094	21	08.8	28.10	21	06.8	F2	GC	16842	P*-65 1846
59	9.4	9.5W	18 23.958	-0.0041	13	-62 8 59.83	-0.025	13	0.15	23.973	14	46.4	59.74	14	46.4	A0	CD	3561	P -61 3097
60	9.7	9.8W	18 33.025	0.0001	13	-61 2 16.51	0.014	13	0.15	33.025	14	46.4	16.56	14	46.4	B9	CD	3562	P -60 3920
61		6.6I	18 36.501	-0.0006	12	-62 0 14.72	0.008	10	0.53	36.526	18	08.1	15.09	18	00.7	G0	GC	16848V	P*-61 3100
62		3.6T	18 38.819	-0.0235	04	-60 7 30.06	0.082	04	0.21	39.863	09	05.5	33.89	07	03.1	K2	GC	16849	P*-59 4188
63		8.0	18 46.491	0.0002	25	-68 49 59.86	-0.021	36	1.47	46.480	53	06.5	58.96	63	06.5		MA	2722	P -68 1642
64	8.3	8.4W	18 48.964	-0.0018	07	-63 6 32.34	-0.002	07	0.14	48.971	14	46.4	32.33	14	46.4	B8	CD	3565	P -62 2700
65	8.3	7.9W	19 1.565	-0.0362	07	-61 15 38.07	-0.059	07	0.14	1.695	14	46.4	37.86	14	46.4	G5	CD	3566	P -60 3925
66		5.3T	19 19.446	-0.0038	07	-67 14 40.99	-0.013	05	0.27	19.595	09	10.7	40.45	09	07.3	A5	GC	16857K	P*-66 1747
67	9.6	9.1W	19 22.042	-0.0025	07	-62 54 42.10	0.010	07	0.14	22.051	14	46.4	42.13	14	46.4	F5	CD	3567	P -62 2705
68		5.8T	19 23.197	-0.0017	09	-68 1 45.67	-0.064	06	0.32	23.262	12	11.7	43.10	12	06.6	K0	GC	16860	P*-67 1939
69	9.3	9.4W	19 33.468	-0.0035	07	-63 22 56.89	-0.015	07	0.14	33.481	14	46.4	56.83	14	46.4	A0	CD	3568	P -62 2708
70	9.8	9.8W	19 36.211	-0.0011	07	-60 56 19.30	-0.012	07	0.14	36.215	14	46.4	19.26	14	46.4	A0 O	CD	3569	P -60 3930
71	8.1	8.4W	19 51.437	-0.0018	06	-61 56 19.01	0.009	06	0.14	51.443	14	46.4	19.06	14	46.4	B9	CD	3570	P -61 3112
72		8.6	19 55.290	-0.0099	25	-65 9 32.87	-0.044	36	1.79	55.832	53	95.4	30.45	63	95.4		MA	2727	P -64 1883
73	10.0	10.0W	19 55.339	-0.0011	08	-62 18 44.33	0.005	08	0.14	55.343	14	46.4	44.34	14	46.4	A0 O	CD	3571	P -61 3114
74		8.4	19 59.364	0.0012	25	-67 32 11.13	-0.007	36	1.41	59.314	53	08.5	10.86	63	08.5		MA	2728	P -67 1941
75	9.1	9.0W	20 4.441	-0.0053	07	-63 5 51.65	-0.005	07	0.14	4.461	14	46.4	51.63	14	46.4	A2	CD	3572	P -62 2715
76		7.2T	20 12.852	0.0007	14	-64 27 11.19	-0.022	12	0.66	12.819	21	03.2	10.10	19	99.6	K0	GC	16879	P -64 1886
77		6.4T	20 31.342	-0.1302	10	-67 21 28.88	0.248	09	0.54	38.125	18	97.9	42.72	17	94.3	K0	GC	16882	P -66 1752
78		6.6I	20 52.216	0.0017	13	-61 21 7.59	-0.015	11	0.61	52.137	19	03.4	6.81	18	99.3	F5	GC	16890V	P*-60 3938
79	7.5	7.6W	20 55.575	-0.0064	06	-63 35 33.63	-0.004	06	0.14	55.598	14	46.4	33.62	14	46.4	A0	CD	3574	P -63 2259
80		8.7	21 1.508	0.0003	33	-66 29 40.18	-0.042	43	2.28	1.488	63	92.4	37.74	53	92.4		MS	1573	
81	8.3	8.2W	21 1.669	-0.0082	06	-63 42 31.41	0.003	06	0.14	1.698	14	46.4	31.42	14	46.4	A5	CD	3575	P -63 2261
82	9.2	8.5W	21 11.502	-0.0030	11	-61 49 52.49	-0.013	11	0.15	11.513	14	46.4	52.44	14	46.4	A2	CD	3577	P -61 3128
83	8.9	8.3W	21 48.480	-0.0008	07	-61 38 6.01	0.010	07	0.14	48.483	14	46.4	6.04	14	46.4	F5	CD	3579	P -61 3138
84	8.3	7.1W	21 56.614	-0.0030	06	-60 37 37.30	-0.010	06	0.14	56.625	14	46.4	37.26	14	46.4	+++	CD	3580	P -60 3955
85	9.0	9.3W	21 58.653	-0.0032	07	-61 24 8.40	-0.010	07	0.14	58.665	14	46.4	8.36	14	46.4	A0	CD	3581	P -60 3956
86		7.3T	22 0.231	0.0081	10	-67 21 19.71	0.016	10	0.59	-59.781	21	94.4	20.67	18	91.6	K0	GC	16916	P -66 1757
87	8.9	9.1W	22 0.557	-0.0021	06	-60 36 36.13	-0.019	06	0.14	0.565	14	46.4	36.06	14	46.4	B9	CD	3582	P -60 3957
88		8.6	22 2.642	-0.0126	25	-65 34 32.58	-0.007	36	1.79	3.330	53	95.4	32.17	63	95.4		MA	2734	P -65 1859
89		7.0T	22 7.750	0.0032	14	-64 56 3.89	-0.039	11	0.59	7.619	18	08.7	2.05	19	02.9	B1P	GC	16922	P*-64 1898
90	9.7	9.6W	22 15.945	-0.0066	12	-64 3 44.44	-0.005	12	0.15	15.968	14	46.4	44.42	14	46.4	A0	CD	3583	P -63 2265
91	9.4	9.3W	22 17.015	-0.0057	07	-61 6 1.63	-0.020	07	0.14	17.035	14	46.4	1.56	14	46.4	A1 O	CD	3584	P -60 3963
92	9.2	8.8W	22 21.056	-0.0059	07	-60 4 10.80	-0.037	07	0.14	21.077	14	46.4	10.66	14	46.4	G0	CD	3585	P -59 4215
93		6.4T	22 28.905	-0.0119	14	-65 29 30.60	-0.127	10	0.63	29.455	21	03.7	24.00	19	97.9	K0	GC	16927	P -65 1862
94		8.0T	22 38.211	-0.0048	12	-69 11 59.85	-0.021	11	0.66	38.449	22	99.9	58.69	19	95.3	B8	GC	16933	P -68 1650
95		8.3	22 48.934	-0.0017	33	-68 8 41.34	-0.021	43	2.27	49.030	75	93.4	40.16	57	93.4		MS	1575	
96	9.5	9.0W	22 50.517	-0.0044	07	-62 1 33.57	-0.035	07	0.14	50.533	14	46.4	33.44	14	46.4	F8	CD	3586	P -61 3158
97	9.3	9.1W	22 52.210	-0.0001	14	-63 20 56.06	-0.035	14	0.15	52.211	14	46.4	55.93	14	46.4	A0	CD	3587	P -62 2732
98	8.9	9.1W	22 52.607	-0.0021	07	-61 28 10.19	-0.008	07	0.14	52.615	14	46.4	10.16	14	46.4	B9	CD	3588	P -61 3160
99		7.1T	22 59.427	-0.0277	16	-63 44 40.74	-0.084	12	0.69	+ 0.662	22	05.4	36.70	19	01.7	G0	GC	16944	P -63 2270
00	8.8	8.6W	23 7.273	-0.0028	07	-61 58 20.14	0.001	07	0.14	7.283	14	46.4	20.14	14	46.4	B0	CD	3590	P -61 3166

251900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ".001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ".001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ".01	ep.	δ_2 ″	σ' ".01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-60° 12H DM NUMBER
1	9.4	9.6W	12 23 10.004	-0.0025	07	-62 12 24.99	-0.013	07	0.14	10.013	14	46.4	24.94	14	46.4	A0	C0	3591	P -61 3170
2	8.9	9.0W	23 34.244	-0.0019	07	-62 59 54.34	-0.002	07	0.14	34.251	14	46.4	54.34	14	46.4	A0	C0	3592	P -62 2740
3		5.1T	23 43.095	-0.0051	05	-62 50 43.30	-0.030	05	0.23	43.300	09	10.1	42.05	10	08.7	B5	GC	16951	P*-62 2742
4		1.6M	23 48.064	-0.0036	02	-62 49 19.43	-0.017	02	0.10	48.254	06	97.6	18.64	06	02.6	B1	F4	462	P -62 2745
5	9.8	9.9W	23 48.923	0.0034	12	-62 31 15.05	0.052	12	0.15	48.911	14	46.4	15.23	14	46.4	A1	C0	3596	P -62 2747
6	9.0	9.1W	23 59.227	-0.0022	06	-60 36 54.09	-0.008	06	0.14	59.235	14	46.4	54.06	14	46.4	A0	C0	3597	P -60 3987
7	9.2	9.5W	24 5.523	-0.0011	06	-60 28 37.27	-0.003	06	0.14	5.527	14	46.4	37.26	14	46.4	B5	C0	3598	P -60 3989
8	8.1	7.3W	24 15.483	-0.0060	07	-61 6 30.43	0.008	07	0.14	15.505	14	46.4	30.46	14	46.4	K0	C0	3599	P -60 3992
9	8.2	8.4W	24 29.282	-0.0008	07	-60 30 9.84	-0.022	07	0.14	29.285	14	46.4	9.76	14	46.4	B5	C0	3600	P*-60 3998
10	9.4	9.6W	24 31.058	-0.0069	13	-61 56 4.18	0.016	13	0.15	31.083	14	46.4	4.24	14	46.4	A0	C0	3601	P -61 3191
11		6.2T	24 35.838	-0.0044	11	-63 30 44.25	-0.024	11	0.56	36.048	21	02.0	43.07	19	00.1	B8	GC	16968	P*-63 2283
12	8.9	9.1W	24 37.363	0.0005	07	-62 58 26.82	0.003	07	0.14	37.361	14	46.4	26.83	14	46.4	B9	C0	3603	P -62 2756
13	9.2	9.3W	24 47.246	-0.0035	06	-63 56 46.08	-0.017	06	0.14	47.258	14	46.4	46.02	14	46.4	B9	C0	3604	P -63 2288
14	9.8	9.8W	24 48.922	-0.0022	11	-63 17 36.76	-0.007	11	0.15	48.930	14	46.4	36.74	14	46.4	A0	C0	3605	P -62 2760
15	9.4	9.4W	24 51.418	-0.0068	07	-62 11 36.23	-0.024	07	0.14	51.443	14	46.4	36.14	14	46.4	F5	C0	3606	P -61 3195
16	8.9	8.9W	24 56.660	-0.0081	07	-63 36 28.40	-0.021	07	0.14	56.688	14	46.4	28.32	14	46.4	A0	C0	3607	P -63 2292
17	8.9	8.9W	25 2.176	-0.0021	07	-61 45 10.99	-0.014	07	0.14	2.183	14	46.4	10.94	14	46.4	B5	C0	3608	P -61 3198
18		7.8T	25 9.258	0.0009	12	-68 27 14.29	-0.167	12	0.64	9.215	21	01.4	5.62	19	98.0	F5	GC	16981	P -68 1655
19		6.5T	25 27.929	0.0074	13	-61 29 13.56	-0.165	10	0.59	27.598	21	05.3	5.40	19	00.7	G0	GC	16993K	P*-61 3204
20		6.3T	25 29.473	-0.0095	10	-64 3 52.28	-0.033	10	0.50	29.890	18	06.0	50.72	19	02.3	A0	GC	16994	P -63 2297
21	9.4	9.4W	25 31.267	-0.0011	07	-62 40 51.42	0.004	07	0.14	31.271	14	46.4	51.44	14	46.4	B8	C0	3611	P -62 2770
22	9.6	9.8W	25 35.940	-0.0013	11	-60 46 25.98	0.022	11	0.15	35.945	14	46.4	26.06	14	46.4	B9	C0	3612	P -60 4025
23		8.5T	25 36.840	-0.0006	13	-61 47 56.22	-0.005	12	0.61	36.868	21	04.2	55.96	19	02.3	B9	GC	16995	P -61 3208
24		6.2T	25 37.439	-0.0041	12	-61 31 6.49	-0.019	10	0.55	37.622	19	05.4	5.52	18	00.2	K0	GC	16996	P -61 3209
25	7.7	7.9W	25 40.087	-0.0002	07	-60 6 44.06	-0.000	07	0.14	40.087	14	46.4	44.06	14	46.4	A0	C0	3615	P -59 4241
26	8.2	7.2W	25 43.880	-0.0042	07	-60 37 8.26	-0.028	07	0.14	43.895	14	46.4	8.16	14	46.4	K0	C0	3616	P*-60 4031
27		8.7	26 4.454	-0.0057	25	-67 23 7.53	-0.059	36	1.79	4.765	53	95.4	4.34	63	95.4	M4	M4	2751	P -66 1778
28		7.0T	26 6.357	-0.0018	12	-61 35 40.12	-0.006	10	0.54	6.439	19	04.9	39.80	18	00.2	B5	GC	17004K	P -61 3218
29	9.2	9.1W	26 8.179	-0.0016	07	-60 39 13.46	-0.001	07	0.14	8.185	14	46.4	13.46	14	46.4	B9	C0	3618	P -60 4037
30	9.5	9.5W	26 12.619	-0.0016	07	-60 59 22.84	0.006	07	0.14	12.625	14	46.4	22.86	14	46.4	A0	C0	3619	P -60 4042
31	7.8	7.9W	26 21.473	-0.0007	06	-60 31 42.17	-0.004	06	0.14	21.475	14	46.4	42.16	14	46.4	B0	C0	3620	P -60 4047
32		7.6	26 38.395	-0.0017	25	-66 35 4.90	-0.048	36	1.46	38.468	53	06.8	2.82	63	06.8		M4	2752	P -66 1783
33	8.5	8.4W	27 14.401	-0.0010	07	-61 10 46.20	-0.038	07	0.14	14.405	14	46.4	46.06	14	46.4	F0	C0	3622	P -60 4066
34		6.8T	27 30.689	-0.0037	13	-60 42 49.13	-0.005	11	0.61	30.864	22	02.7	48.86	19	99.5	F0	GC	17037	P*-60 4070
35	8.6	8.4W	27 42.138	-0.0071	07	-61 32 29.99	-0.013	07	0.14	42.163	14	46.4	29.94	14	46.4	F2	C0	3624	P -61 3237
36		8.9	27 46.363	-0.0047	25	-67 55 52.27	0.040	36	1.64	46.595	53	00.5	54.26	63	00.5		M4	2756	P -67 1970
37		8.7	27 47.302	-0.0088	25	-68 56 21.05	-0.010	36	1.61	47.728	53	01.4	20.55	63	01.4		M4	2757	P -68 1666
38	8.9	8.5W	27 48.035	-0.0110	07	-61 7 20.34	-0.050	07	0.14	48.075	14	46.4	20.16	14	46.4	F8	C0	3625	P -60 4073
39	9.2	8.8W	28 7.570	0.0070	07	-61 13 0.92	-0.017	07	0.14	7.545	14	46.4	0.86	14	46.4	G5	C0	3626	P -60 4081
40	9.5	9.4W	28 11.548	0.0007	14	-61 2 52.66	-0.001	14	0.15	11.545	14	46.4	52.66	14	46.4	A2	C0	3627	P -60 4083
41	8.4	8.0W	28 23.037	-0.0045	06	-61 37 56.59	-0.014	06	0.14	23.053	14	46.4	56.54	14	46.4	F5	C0	3628	P -61 3247
42	7.9	8.2W	28 41.967	-0.0022	06	-60 36 32.14	0.005	06	0.14	41.975	14	46.4	32.16	14	46.4	B9	C0	3629	P -60 4090
43	9.5	9.7W	28 54.201	-0.0039	07	-60 45 45.77	-0.002	07	0.14	54.215	14	46.4	45.76	14	46.4	B8	C0	3630	P -60 4095
44	8.8	9.0W	28 54.748	-0.0020	07	-61 4 29.86	-0.028	07	0.14	54.755	14	46.4	29.76	14	46.4	B9	C0	3631	P -60 4094
45	9.0	9.4W	29 4.410	0.0020	13	-61 33 2.34	0.000	13	0.15	4.403	14	46.4	2.34	14	46.4	B9	C0	3632	P -61 3256
46		6.1T	29 4.882	-0.0086	15	-63 13 48.51	0.002	12	0.65	5.281	18	03.8	48.59	15	01.3	A5	GC	17072	P -62 2805
47		9.6T	29 23.956	-0.0038	12	-62 13 22.31	0.013	10	0.55	24.126	19	05.7	22.93	18	00.9	A0	GC	17064	P -61 3261
48	8.2	8.3W	29 27.199	-0.0017	07	-61 27 9.19	-0.008	07	0.14	27.205	14	46.4	9.16	14	46.4	A0	C0	3635	P -61 3263
49		8.1	29 49.514	-0.0229	25	-69 38 57.71	-0.050	36	1.76	50.740	53	96.4	55.02	63	96.4		M4	2763	P -69 1666
50	9.5	9.7W	29 55.108	-0.0026	07	-60 0 33.20	-0.011	07	0.14	55.117	14	46.4	33.16	14	46.4	B9	C0	3636	P -59 4299
51	9.0	9.0W	12 29 58.864	-0.0025	07	-61 35 57.47	-0.008	07	0.14	58.873	14	46.4	57.44	14	46.4	B8	C0	3637	P -61 3269
52	8.0	8.1W	30 20.216	-0.0003	05	-60 40 16.97	0.001	05	0.14	20.217	14	46.4	16.98	14	46.4	B5	C0	3638	P -60 4128
53		7.4T	30 39.026	-0.0967	13	-68 28 31.91	-0.301	12	0.68	43.853	22	00.1	15.83	21	99.5	G5	GC	17107	P -68 1684
54	8.8	8.9W	31 4.876	-0.0001	06	-61 29 45.45	-0.021	06	0.14	4.877	14	46.4	45.38	14	46.4	B9	C0	3639	P -61 3283
55	9.6	9.6W	31 24.603	-0.0010	07	-60 54 49.36	0.005	07	0.14	24.607	14	46.4	49.38	14	46.4	B5	C0	3640	P -60 4147
56		8.7	31 50.626	-0.0146	25	-69 36 59.28	-0.020	36	1.64	51.350	53	00.4	58.30	63	00.4		M4	2767	P -69 1676
57		6.2T	31 57.152	-0.0038	13	-67 28 53.19	-0.010	12	0.68	57.341	22	00.7	52.64	19	96.9	MB	GC	17137	P -67 2005
58	9.5	9.5W	32 14.118	-0.0030	09	-60 26 30.88	0.000	09	0.14	14.129	14	46.4	30.88	14	46.4	B8	C0	3641	P -60 4163
59		7.6T	32 33.593	-0.0044	13	-68 4 31.07	0.003	12	0.67	33.812	22	00.4	31.25	21	97.1	A0	GC	17144	P -67 2009
60	8.9	8.9W	32 35.958	-0.0051	13	-61 1 37.06	0.006	13	0.15	35.977	14	46.4	37.08	14	46.4	B8	C0	3642	P -60 4167
61		7.0T	32 37.914	-0.0021	10	-61 27 54.27	-0.018	08	0.49	38.013	18	02.3	53.38	17	99.8	F5	GC	17149	P -61 3296
62		6.3T	32 39.033	-0.0419	11	-61 33 54.96	-0.089	08	0.53	41.169	18	99.0	50.26	15	97.1	G5	GC	17151	P -61 3298
63	9.5	9.6W	32 39.988	-0.0069	14	-62 49 59.03	0.035	14	0.15	40.013	14	46.4	59.15	14	46.4	A0	C0	3645	P -62 2834
64	9.8	9.8W	32 42.285	-0.0049	11	-62 35 50.96	0.025	11	0.15	42.303	14	46.4	51.05	14	46.4	A0	C0	3646	P -62 2835
65	9.1	9.3W	32 47.147	0.0001	07	-61 13 34.94	-0.017	07	0.14	47.147	14	46.4	34.88	14	46.4	B9	C0	3647	P -60 4168
66	8.1	8.0W	32 54.404	-0.0006	06	-61 17 51.38	0.000	06	0.14	54.407	14	46.4	51.38	14	46.4	B3	C0	3648	P -60 4170
67	8.6	8.8W	32 57.946	-0.0025	07	-61 33 55.61	-0.015	07	0.14	57.955	14	46.4	55.56	14	46.4	B9	C0	3649	P -61 3303
68	8.7	8.8W	33 14.373	-0.0027	07	-62 34 7.47	-0.007	07	0.14	14.383	14	46.4	7.45	14	46.4	B9	C0	3650	P -62 2838
69		7.4T	33 28.697	-0.0103	12	-66 53 44.39	0.003	11	0.63	29.223	21	99.1	44.53	19	96.8	A0	GC	17170	P -66 1834
70		8.7	33 28.922	-0.0012	25	-67 1 42.09	-0.047	36	1.79	28.989	53	95.4	39.50	63	95.4		M4	2772	P -66 1833
71	8.6	8.7W	33 52.712	-0.0029	07	-62 37 40.44	0.002	07	0.14	52.723	14	46.4	40.45	14	46.4	B9	C0	3651	P -62 2843
72	9.4	9.5W	33 53.125	-0.0011	07	-60 27 1.16	-0.023	07	0.14	53.129	14	46.4	1.08	14	46.4	A0	C0	3652	P -60 4183
73	9.5	9.5W	34 10.403	-0.0005	06	-62 23 12.94	0.006	06	0.14	10.404	14	46.4	12.96	14	46.4	A0	C0	3653	P -61 3312
74		2.9H	34 10.693	-0.0074	03	-68 51 36.83	-0.016	03	0.12	10.952	05	15.1	36.30	05	16.6	B3	F4	474	-68 1702
75	9.8	9.7W	34 31.909	-0.0022	13	-60 31 5.48	-0.001	13	0.15	31.917	14	46.4	5.48	14	46.4	B9	C0	3654	P -60 4191
76		8.0	34 38.858	-0.0013	25	-67 35 25.71	-0.036	36	1.61	38.923	53	01.4	23.94	63	01.4		M4	2779	P -67 2025
77		7.4T	34 59.544	-0.0047	11	-69 19 40.98	-0.017	10	0.61	59.796	19	95.9	40.01	18	93.4	G5	GC	17196	P -68 1706
78	9.8	9.8W	35 21.576	-0.0025	12	-61 31 51.24	0.035	12	0.15	21.585	14	46.4	51.36	14	46.4	B9	C0	3655	P -61 3317
79	8.3	8.4W	35 22.518	0.0004	06	-61 19 37.42	-0.011	06	0.14	22.517	14	46.4	37.38	14	46.4	B9	C0	3656	P -60 4199
80		6.5T	35 53.169	0.0001	10	-66 55 5.50	-0.009	10	0.60	53.165	21	95.4	4.97	19	93.5	B2	GC	17210K	P -66 1861
81	8.7	7.7W	35 55.754	0.0053	06	-61 45 27.33	0.064	06	0.14	55.735	14	46.4	27.56	14	46.4	K0	C0	3657	P -61 3318
82	8.6	8.7W	36 6.488	-0.0047	06	-62 15 16.49	-0.007	06	0.14	6.505	14	46.4	16.46	14	46.4	A0	C0	3658	P -61 3319
83		9.0	36 11.359	-0.0083	25	-69 16 5.87	-0.058	36	1.76	11.801	53	96.5	2.76	63	96.5		M4	2786	P -68 1713
84	9.6	9.4W	36 23.982	-0.0002	06	-63 5 12.27	-0.005	06	0.14	23.982	14	46.4	12.25	14	46.4	B3	C0	3659	P -62 2862
85	9.0	8.8W	36 42.917	0.0006	07	-62 9 32.12	-0.017	07	0.14	42.915	14	46.4	32.06	14	46.4	B0	C0	3660	P -61 3327
86		7.8	36 51.510	0.0017	25	-66 45 58.50	-0.022	36	1.42	51.437	53	08.1	57.58	63	08.1		M4	2789	P -66 1866
87		6.4T	36 56.818	-0.0086	13	-66 14 12.09	-0.027	10	0.61	57.232	19	01.9	10.69	18	98.5	B9	GC	17234	P -65 1941
88		8.3	37 12.034	-0.0033	25	-69 27 20.07	-0.061	36	1.67	12.199	53	99.4	16.98	63	99.4		M4	2792	P -69 1686
89	9.0	8.9W	37 12.677	0.0012	06	-63 10 43.77	-0.005	06	0.14	12.672	14	46.4	43.75	14	46.4	B9	C0	3661	P -62 2865
90	9.6	9.4W	37 37.417	-0.0022	06	-61 43 14.41	-0.014	06	0.14	37.425	14	46.4	14.36	14	46.4	A0	C0	3662	P -61 3335
91	8.6	8.6W	37 47.882	-0.0013	06	-60 38 19.26	0.005	06	0.14	47.887	14	46.4	19.28	14	46.4	A0	C0	3663	P -60 4225
92		8.5	37 49.646	-0.0002	25	-67 27 58.81	-0.075	36	1.79	49.659	53	95.4	54.69	63	95.4		M4	2796	P -67 2038
93	9.1	9.1W	37 56.586	-0.0023	06	-61 42 56.41	-0.013	06	0.14	56.595	14	46.4	56.36	14	46.4	B9	C0	3664	P -61 3340
94	9.7	9.8W	38 22.157	-0.0034	11	-60 2 58.47	0.003	11	0.15	22.169	14	46.4	58.48	14	46.4	A0	C0	3665	P -59 4386
95		7.6T	38 54.448	-0.0008	12	-64 27 16.51	-0.004	08	0.54	54.488	21	01.7	16.31	17	99.1	F0	GC	17265	P -64 1983
96		5.9I	39 0.393	0.0008	12	-69 8 0.31	-0.009	09	0.60	0.350	19	99.2	59.80	18	93.2	G5	GC	17267V	P*-68 1731
97	9.3	9.4W	39 18.119	-0.0028	07	-62 22 41.67	0.004	07	0.14	18.129	14	46.4	41.68	14	46.4	B0	C0	3666	P -59 4396
98	10.0	9.8W	39 22.980	-0.0008	06	-62 43 10.96	-0.002	06	0.14	22.982	14	46.4	10.95	14	46.4	A	C0	3667	P -62 2888
99	9.5	9.8W	39 26.842	-0.0030	07	-62 41 58.13	0.007	07	0.14	26.853	14	46.4	58.15	14	46.4	B8	C0	3668	P -62 2892
00		7.3T	39 32.339	-0.0055	12	-60 44 39.42	-0.019	10	0.55	32.589	19	04.4	38.48	18	00.0	A2	GC	17280	P -60 4244

252000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} ″.001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 12H DM NUMBER
1		8.1	12 39 44.190	-0.0014	25	-69 42 56.01	-0.043	36	1.62	44.256	53	01.2	53.91	63	01.2		M4	2801	P -69 1695
2		6.0T	39 53.176	-0.0021	15	-62 47 5.56	-0.023	11	0.64	53.270	22	04.9	4.42	19	00.1	B1F	GC	17266	P*-62 2898
3	9.1	9.0W	39 55.020	-0.0006	07	-62 54 40.46	0.024	07	0.14	55.022	14	46.4	40.55	14	46.4	B8	CO	3671	P -62 2899
4	9.3	9.3W	39 57.780	0.0009	13	-60 42 6.28	0.000	13	0.15	57.777	14	46.4	6.28	14	46.4	B3	CO	3672	P -60 4249
5		7.8T	40 9.213	-0.0221	12	-60 52 27.46	-0.042	11	0.55	10.180	18	06.2	25.56	18	04.5	F5	GC	17290	P -60 4251
6	9.1	9.4W	40 32.980	-0.0025	07	-60 26 30.21	-0.007	07	0.14	32.989	14	46.4	30.18	14	46.4	B9	CO	3674	P -60 4255
7	8.9	8.6W	41 8.768	-0.0005	07	-63 56 15.12	0.007	07	0.14	8.770	14	46.4	15.14	14	46.4	A5	CO	3675	P -63 2406
8	8.8	8.4W	41 20.787	-0.0000	07	-61 7 15.57	-0.024	07	0.14	20.787	14	46.4	15.48	14	46.4	B0	CO	3676	P -60 4259
9	9.0	9.1W	41 22.901	-0.0043	07	-61 15 5.39	-0.032	07	0.14	22.917	14	46.4	5.28	14	46.4	A0	CO	3677	P -60 4260
10	7.9	8.1W	41 46.466	-0.0008	06	-60 11 53.58	-0.001	06	0.14	46.469	14	46.4	53.58	14	46.4	B8	CO	3678	P -59 4412
11	9.2	9.4W	41 53.426	-0.0018	07	-62 41 50.06	-0.003	07	0.14	53.432	14	46.4	50.05	14	46.4	B8	CO	3679	P -62 2914
12		6.3T	41 55.924	-0.0044	13	-68 33 26.79	-0.022	11	0.66	56.144	21	00.5	25.60	19	96.0	G0	GC	17325	P -68 1745
13	9.5	8.8W	41 59.203	-0.0034	07	-61 56 26.59	-0.007	07	0.14	59.215	14	46.4	26.56	14	46.4	F2	CO	3680	P -61 3355
14	8.5	7.5W	42 16.493	-0.0005	06	-61 56 39.18	-0.005	06	0.14	16.495	14	46.4	39.16	14	46.4	F8	CO	3681	P*-61 3356
15		9.3T	42 30.550	-0.0029	12	-67 20 14.62	-0.023	12	0.63	30.699	22	99.2	13.46	19	00.4	B9	GC	17334	F -66 1916
16		4.7T	42 40.528	0.0140	08	-60 42 25.27	-0.068	05	0.31	39.958	12	09.3	22.00	12	01.7	K0	GC	17339K	P*-60 4273
17	9.1	8.9W	42 57.596	-0.0037	07	-60 16 41.75	0.008	07	0.14	57.609	14	46.4	41.78	14	46.4	B0	CO	3684	F -59 4423
18	9.5	9.6W	42 59.949	-0.0084	13	-60 29 56.69	0.026	13	0.15	59.979	14	46.4	56.78	14	46.4	B5	CO	3685	P -60 4274
19		3.3M	43 11.492	-0.0056	04	-67 50 5.16	-0.024	04	0.22	11.761	07	01.9	3.99	06	01.9	B3 J	F3	4800	*
20	10.0	9.9W	43 20.354	0.0026	07	-62 1 38.81	-0.013	07	0.14	20.345	14	46.4	38.76	14	46.4	B8	CO	3686	F -61 3363
21	8.6	8.3W	43 23.067	-0.0027	07	-60 33 56.23	-0.016	07	0.14	23.077	14	46.4	56.18	14	46.4	F0	CO	3687	P -60 4277
22	9.1	9.3W	43 33.903	-0.0015	06	-60 15 55.70	-0.005	06	0.14	33.909	14	46.4	55.68	14	46.4	B8	CO	3688	P -59 4431
23	9.9	9.7W	43 37.363	0.0002	14	-62 52 18.61	0.011	14	0.15	37.362	14	46.4	18.65	14	46.4	B8	CO	3689	P -62 2919
24		8.9	43 43.130	0.0057	25	-66 45 50.44	-0.016	36	1.70	42.834	53	98.5	49.61	63	98.5		M4	2813	P -66 1929
25	9.3	9.0W	43 47.451	-0.0015	07	-60 54 48.50	-0.006	07	0.14	47.457	14	46.4	48.48	14	46.4	B0	CO	3691	P -60 4285
26	10.5	10.1W	43 55.590	-0.0103	13	-61 8 48.45	-0.047	13	0.15	55.627	14	46.4	48.28	14	46.4	G0	CO	3692	P -60 4286
27	9.1	8.1W	44 4.127	0.0022	06	-60 8 2.00	-0.034	06	0.14	4.119	14	46.4	1.88	14	46.4	K0	CO	3693	P -59 4440
28	9.0	9.1W	44 7.189	-0.0010	05	-62 48 45.00	-0.013	05	0.14	7.192	14	46.4	44.95	14	46.4	B8	CO	3694	P -62 2921
29	8.9	8.8W	44 14.038	-0.0024	07	-60 57 1.50	-0.034	07	0.14	14.047	14	46.4	1.38	14	46.4	F0	CO	3695	P -60 4288
30	10.0	9.7W	44 27.139	-0.0016	06	-62 16 15.09	-0.007	06	0.14	27.145	14	46.4	15.06	14	46.4	A0	CO	3696	P -61 3367
31		8.5	44 55.830	-0.0012	25	-68 0 16.04	-0.068	36	1.76	55.895	53	96.4	12.41	63	96.4		M4	2818	P -67 2074
32	10.0	8.5W	45 8.158	-0.0031	08	-60 4 26.77	-0.024	08	0.14	8.169	14	46.4	26.68	14	46.4	K2	CO	3700	P -59 4459
33	8.3	8.1W	45 9.788	-0.0012	06	-62 45 56.91	-0.017	06	0.14	9.792	14	46.4	56.85	14	46.4	A2	CO	3701	P -62 2932
34		7.7T	45 11.277	-0.0076	12	-66 51 30.52	-0.037	11	0.66	11.663	22	99.5	28.47	19	95.3	A2	GC	17378K	P*-66 1944
35	9.7	9.7W	45 15.971	-0.0021	07	-60 5 54.59	0.025	07	0.14	15.979	14	46.4	54.68	14	46.4	A0	CO	3702	F -59 4463
36		8.2	45 22.940	-0.0122	25	-67 5 4.43	-0.024	36	1.44	23.461	53	07.4	3.40	63	07.4		M4	2819	F -66 1947
37		8.0	45 54.542	-0.0193	25	-69 7 12.96	-0.033	36	1.44	55.360	53	07.5	11.55	63	07.5		M4	2821	P -68 1764
38		7.6T	45 58.744	-0.0015	09	-65 19 13.98	-0.003	08	0.47	58.817	18	02.6	13.79	17	95.4	A0	GC	17396K	P*-64 2020
39	9.4	9.1W	46 8.807	-0.0026	07	-60 47 39.14	-0.018	07	0.14	8.817	14	46.4	39.08	14	46.4	F0	CO	3703	P -60 4301
40	9.2	7.9W	46 15.306	-0.0009	07	-60 23 22.08	-0.001	07	0.14	15.309	14	46.4	22.08	14	46.4	+++	CO	3704	P -59 4474
41	9.9	9.2W	46 24.681	-0.0026	09	-63 55 49.18	-0.010	09	0.14	24.690	14	46.4	49.14	14	46.4	A2	CO	3705	P -63 2418
42	9.0	9.0W	46 29.202	-0.0019	07	-60 25 36.01	-0.007	07	0.14	29.209	14	46.4	35.98	14	46.4	B5	CO	3706	P -60 4306
43	10.4		46 30.300	0.0127	08	-62 15 53.64	-0.078	09	0.14	30.255	14	46.4	33.36	14	46.4	B9	CO	3707	P -61 3374
44	9.5	9.6W	46 39.137	0.0030	13	-60 41 35.12	-0.039	13	0.15	39.127	14	46.4	34.98	14	46.4	B8	CO	3708	P -60 4309
45	9.1	9.4W	46 46.943	-0.0017	07	-60 14 28.25	-0.019	07	0.14	46.949	14	46.4	28.18	14	46.4	B9	CO	3710	P -59 4480
46		6.5T	47 13.323	-0.0026	11	-62 22 9.48	0.017	09	0.50	13.444	18	03.2	10.35	17	99.0	K0	GC	17417	F -61 3376
47		6.0T	47 13.589	-0.0003	13	-60 7 42.18	-0.022	10	0.57	13.605	19	04.0	41.10	15	00.3	A2	GC	17418	P -59 4483
48	9.0	9.1W	47 29.304	-0.0014	07	-60 23 28.87	0.001	07	0.14	29.309	14	46.4	28.88	14	46.4	B5	CO	3714	P -59 4485
49		8.1	47 29.930	-0.0022	25	-68 6 2.79	-0.013	36	1.38	30.020	53	09.5	2.28	63	09.5		M4	2825	F -67 2092
50	10.0	9.7W	47 51.981	-0.0005	09	-62 43 15.28	-0.008	09	0.14	51.982	14	46.4	15.25	14	46.4	F5	CO	3715	P -62 2942
51	9.1	9.1W	12 47 57.880	-0.0025	06	-60 10 31.75	0.008	06	0.14	57.889	14	46.4	31.78	14	46.4	B3	CO	3716	P -59 4488
52	9.7	9.2W	48 3.907	0.0002	06	-60 58 18.65	-0.019	06	0.14	3.907	14	46.4	18.58	14	46.4	B2	CO	3717	P -60 4320
53	10.0	9.8W	48 10.846	-0.0025	07	-62 7 15.60	-0.011	07	0.14	10.855	14	46.4	15.56	14	46.4	A0	CO	3718	F -61 3379
54		5.9T	48 19.037	-0.0027	10	-60 3 27.90	0.002	06	0.44	19.168	15	02.2	28.02	14	95.3	A2P	GC	17437	P*-59 4494
55		8.7	48 25.332	-0.0142	25	-65 42 0.59	0.007	36	1.79	26.107	53	95.4	0.96	63	95.4		M4	2831	P -65 2041
56	10.0	10.1W	48 37.925	-0.0011	13	-60 13 28.55	0.007	13	0.15	37.929	14	46.4	28.58	14	46.4	B5	CO	3720	P -59 4498
57		9.1	48 39.883	0.0288	33	-65 34 35.61	-0.044	43	2.31	38.225	75	92.4	33.06	57	92.4		M3	1630	
58		8.2	48 40.393	0.0017	25	-66 35 3.86	-0.012	36	1.39	40.322	53	09.1	3.37	63	09.1		M4	2833	P -66 1969
59		9.3T	48 47.838	-0.0018	13	-60 48 25.36	-0.013	12	0.62	47.919	21	04.4	24.75	19	02.2	B8	GC	17446	P -60 4329
60	10.0	9.9W	48 53.273	0.0012	13	-60 8 3.57	0.003	13	0.15	53.269	14	46.4	3.58	14	46.4	B8	CO	3722	P -59 4502
61	9.3	9.4W	49 2.262	-0.0018	13	-60 16 43.50	-0.006	13	0.15	2.269	14	46.4	43.48	14	46.4	B3	CO	3723	P -59 4504
62		8.2T	49 45.178	0.0004	13	-64 32 43.58	-0.007	12	0.63	45.158	21	03.9	43.22	21	02.0	B5	GC	17465	P -64 2050
63	9.2	9.5W	49 45.851	0.0012	13	-60 32 18.39	-0.004	13	0.15	45.847	14	46.4	18.38	14	46.4	B5	CO	3725	P -60 4335
64	9.6	9.4W	49 50.599	-0.0038	14	-63 3 50.64	0.003	14	0.15	50.612	14	46.4	50.65	14	46.4	A0	CO	3726	P -62 2948
65	9.8	9.5W	50 2.817	-0.0009	14	-64 8 16.29	-0.013	14	0.15	2.820	14	46.4	16.24	14	46.4	F8 O	CO	3727	P -63 2441
66	9.8	8.4W	50 4.061	0.0017	06	-62 24 39.72	0.012	06	0.14	4.054	14	46.4	39.76	14	46.4	K0	CO	3728	P -62 2949
67	9.2	8.8W	50 8.849	-0.0077	07	-60 36 33.18	-0.085	07	0.14	8.877	14	46.4	32.88	14	46.4	G0	CO	3729	P -60 4339
68	9.1	9.4W	50 13.071	0.0006	07	-60 27 55.26	0.006	06	0.14	13.069	14	46.4	55.28	14	46.4	B3	CO	3730	P -60 4341
69		5.8T	50 21.961	-0.0011	07	-60 3 25.66	-0.005	06	0.30	22.011	12	06.2	25.43	10	02.4	B9P	GC	17475	P -59 4529
70		6.9T	50 37.653	0.0008	16	-60 5 9.62	-0.030	12	0.63	37.622	19	08.3	8.35	18	07.3	B2	GC	17488	P -59 4543
71			50 39.187	0.0024	07	-60 4 55.93	-0.015	07	0.14	39.179	14	46.4	55.88	14	46.4		CO	3735	
72		9.2	50 39.209	-0.0043	25	-66 36 55.02	-0.004	36	1.62	39.416	53	01.2	54.82	63	01.2		M4	2839	P -66 1983
73		8.0T	50 41.211	-0.0012	14	-60 4 41.12	-0.008	11	0.70	41.274	21	99.6	40.68	18	94.0	M0	GC	17490	P -59 4547
74	8.2	8.5W	50 46.344	-0.0014	06	-60 7 55.72	-0.011	06	0.14	46.349	14	46.4	55.68	14	46.4		CO	3737	P -59 4552
75		8.0W	50 47.210	0.0002	06	-60 3 38.38	0.000	06	0.14	47.209	14	46.4	38.38	14	46.4		CO	3738	P -59 4551
76	9.4	9.6W	50 47.810	0.0002	06	-60 27 59.70	-0.005	06	0.14	47.809	14	46.4	59.68	14	46.4	B0	CO	3739	P -60 4346
77		6.1T	50 48.851	0.0012	09	-60 6 19.07	-0.026	08	0.42	48.799	17	04.7	17.86	15	03.0	B3	GC	17492	P*-59 4555
78	8.9	9.1W	50 57.298	-0.0003	07	-60 8 41.59	-0.004	07	0.14	57.299	14	46.4	41.58	14	46.4		CO	3741	P -59 4564
79	9.5	9.3W	50 59.109	0.0006	07	-61 30 0.26	-0.025	07	0.14	59.107	14	46.4	0.18	14	46.4	A0	CO	3742	P -61 3385
80		6.8T	50 59.604	-0.0011	13	-60 3 50.01	0.024	10	0.54	59.653	19	07.1	51.12	18	04.0	B3	GC	17494K	P -59 4566
81		7.7	51 2.557	0.0006	25	-69 45 55.04	0.007	36	1.52	2.528	53	04.5	55.36	63	04.5		M4	2841	P -69 1725
82	8.9	8.6W	51 3.591	-0.0086	07	-62 53 42.03	0.005	07	0.14	3.622	14	46.4	42.05	14	46.4	A0	CO	3744	P -62 2954
83		8.6	51 10.116	-0.0003	25	-68 30 12.71	-0.060	36	1.56	10.131	53	03.1	9.92	63	03.1		M4	2842	P -68 1790
84		9.0T	51 16.757	-0.0010	13	-60 48 21.10	-0.017	11	0.60	16.802	21	04.4	20.32	19	03.8	B2	GC	17501	P -60 4350
85	8.5	8.7W	51 17.525	0.0023	09	-60 37 22.66	0.006	09	0.14	17.517	14	46.4	22.68	14	46.4	B5	CO	3747	P -60 4351
86	10.0	9.9W	51 22.208	0.0008	07	-61 31 54.20	-0.011	07	0.14	22.205	14	46.4	54.16	14	46.4	A0	CO	3748	P -61 3388
87		9.0	51 44.099	-0.0152	25	-65 33 28.18	-0.062	36	1.64	44.852	53	00.4	25.09	63	00.4		M4	2844	P -65 2069
88	8.2	8.2W	51 59.459	-0.0065	07	-63 22 10.91	-0.015	07	0.14	59.482	14	46.4	10.85	14	46.4	F0	CO	3750	F -62 2960
89		7.9T	51 59.577	-0.0011	12	-62 17 15.82	-0.003	11	0.54	59.624	18	07.2	15.69	18	05.2	A0	GC	17522	P -61 3391
90		7.7	52 19.497	-0.0023	25	-68 43 37.11	-0.029	36	1.44	19.595	53	07.5	35.90	63	07.5		M4	2847	P -68 1795
91	9.1	9.3W	52 20.663	-0.0016	07	-60 1 5.26	0.005	07	0.14	20.669	14	46.4	5.28	14	46.4	A0	CO	3751	P -59 4579
92	8.8	9.0W	52 30.543	0.0011	06	-60 22 45.45	0.009	06	0.14	30.539	14	46.4	45.48	14	46.4	B3	CO	3752	P -59 4580
93	10.0		52 38.956	-0.0008	13	-60 12 16.00	-0.006	13	0.15	38.959	14	46.4	15.98	14	46.4	B5	CO	3753	P -59 4581
94	9.1	9.1W	52 39.431	-0.0031	07	-63 20 51.35	-0.026	07	0.14	39.442	14	46.4	51.25	14	46.4	A0	CO	3754	P -62 2962
95	8.1	8.1W	52 55.720	-0.0018	06	-60 38 43.97	-0.024	06	0.14	55.727	14	46.4	43.88	14	46.4	A3	CO	3755	F -60 4357
96		8.5T	53 12.543	0.0000	12	-61 29 3.77	-0.001	11	0.57	12.542	19	05.3	3.73	19	03.5	B9	GC	17547	P -61 3396
97	9.8	8.2W	53 26.672	-0.0018	09	-60 23 51.89	-0.003	09	0.14	26.679	14	46.4	51.88	14	46.4	K5	CO	3757	P -59 4593
98		9.0	53 26.883	-0.0048	33	-67 16 14.41	0.078	43	2.30	26.609	75	92.5	18.88	53	92.5		M3	1640	
99	8.0	7.3W	53 27.184	-0.0017	06	-64 5 24.43	0.004	06	0.14	27.190	14	46.4	24.44	14	46.4	B0	CO	3758	P -63 2454
00	10.0	9.5W	53 30.494	0.0021	11	-61 3 52.67	0.001	11	0.15	30.487	14	46.4	52.68	14	46.4	B9	CO	3759	P -60 4363

252100

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 12H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	9.7	9.2W	12 53 31.681	0.0006	07	-60 24 47.32	-0.040	07	0.14	31.679	14	46.4	47.18	14	46.4	G0	CO	3760	P -60 4364
2		9.0	53 52.073	-0.0193	33	-69 32 56.77	-0.048	43	2.31	53.187	75	92.4	54.01	57	92.4		M3	1641	
3	8.0	7.5W	54 5.377	-0.0014	06	-63 11 38.90	0.013	06	0.14	5.382	14	46.4	38.95	14	46.4	B2P	CO	3762	P -62 2965
4		8.0	54 12.155	-0.0083	25	-69 4 27.71	-0.052	36	1.44	12.507	53	07.4	25.49	63	07.4		M4	2852	P -68 1802
5		7.0T	54 13.249	-0.0056	11	-67 41 25.50	-0.036	09	0.56	13.535	19	99.0	23.47	18	93.0	A0	GC	17570	P -67 2129
6		6.9T	54 23.369	-0.0093	14	-65 22 36.94	0.020	11	0.61	23.773	21	06.8	37.92	19	02.4	K0	GC	17573	P -64 2086
7	9.0	8.7W	54 40.078	-0.0068	07	-63 23 11.79	-0.012	07	0.14	40.102	14	46.4	11.75	14	46.4	A2	CO	3763	P -62 2969
8	8.8	8.8W	54 42.279	0.0007	07	-60 37 2.88	-0.001	07	0.14	42.277	14	46.4	2.88	14	46.4	B3	CO	3764	P -60 4369
9	9.5	9.3W	54 48.868	0.0004	13	-60 32 43.35	-0.021	13	0.15	48.867	14	46.4	43.28	14	46.4	B2	CO	3765	P*-60 4370
10	9.3	9.3W	54 55.582	-0.0013	07	-60 43 44.99	-0.031	07	0.14	55.587	14	46.4	44.88	14	46.4	B8	CO	3766	P -60 4371
11	8.7	8.5W	54 57.957	0.0001	06	-60 47 6.91	-0.010	06	0.14	57.957	14	46.4	6.88	14	46.4	B3	CO	3767	P -60 4372
12	10.2		55 16.131	-0.0015	11	-60 44 50.11	-0.007	11	0.15	16.137	14	46.4	50.08	14	46.4	B9	CO	3768	P -60 4375
13	9.5	9.6W	55 37.744	-0.0040	13	-60 17 53.85	0.007	13	0.15	37.759	14	46.4	53.88	14	46.4	A0	CO	3769	P -59 4617
14	8.0	8.1W	55 54.346	-0.0017	07	-63 22 14.99	-0.011	07	0.14	54.352	14	46.4	14.95	14	46.4	B9	CO	3770	P -62 2977
15	9.9	9.2W	56 2.883	0.0114	07	-62 39 34.52	-0.047	07	0.14	2.842	14	46.4	34.35	14	46.4	G5	CO	3771	P -62 2978
16	9.7	9.6W	56 8.954	-0.0050	14	-63 2 5.22	0.007	14	0.15	8.972	14	46.4	5.25	14	46.4	B8	CO	3772	P -62 2979
17	8.0	7.7W	56 31.361	-0.0582	06	-64 6 4.24	-0.081	06	0.14	31.570	14	46.4	3.94	14	46.4	F8	CO	3773	P -63 2472
18	9.5	9.2W	56 57.627	-0.0036	07	-64 1 39.62	-0.022	07	0.14	57.640	14	46.4	39.54	14	46.4	B2	CO	3774	P -63 2474
19	8.1	8.3W	57 2.144	-0.0012	06	-60 19 26.66	0.006	06	0.14	2.149	14	46.4	26.68	14	46.4	B0	CO	3775	P -59 4634
20		8.6T	57 4.086	-0.0028	15	-66 34 41.90	-0.004	12	0.72	4.222	22	02.1	41.67	21	98.0	B8	GC	17630	P -66 2028
21		8.8	57 13.229	-0.0083	25	-69 56 26.24	-0.006	36	1.44	13.583	53	07.5	25.98	63	07.5		M4	2863	P -69 1743
22		7.1T	57 26.136	0.0005	13	-60 6 22.83	-0.020	09	0.60	28.114	19	01.9	21.77	17	96.7	B5	GC	17641	P -59 4640
23	9.5	9.5W	57 33.973	-0.0010	07	-60 35 26.73	-0.013	07	0.14	33.977	14	46.4	26.68	14	46.4	B9	CO	3777	P -60 4382
24	9.1	8.4W	57 34.272	-0.0117	05	-62 23 44.30	-0.067	05	0.14	34.314	14	46.4	44.06	14	46.4	K0	CO	3778	P -61 3410
25		8.9	57 40.489	-0.0052	33	-66 12 40.41	0.067	43	2.27	40.784	75	93.4	44.19	57	93.4		M3	1646	
26		7.5T	58 2.881	0.0047	11	-62 45 14.76	-0.011	09	0.53	2.656	19	02.2	14.21	18	97.5	K2	GC	17653	P -62 2981
27		8.4T	58 16.115	-0.0011	17	-62 39 22.83	-0.045	14	0.73	16.163	22	06.1	20.76	21	03.7	B9	GC	17655	P -62 2982
28		8.4	58 19.857	-0.0063	25	-67 35 16.33	-0.052	36	1.47	20.132	53	06.4	14.05	63	06.4		M4	2866	P -67 2157
29		7.4T	58 30.615	-0.0007	16	-60 24 8.97	-0.017	11	0.65	30.648	21	05.5	8.14	19	00.5	B8	GC	17662	P -59 4651
30	9.3	9.4W	58 37.339	-0.0028	07	-60 10 16.18	0.000	07	0.14	37.349	14	46.4	16.18	14	46.4	B5	CO	3782	P -59 4653
31		7.6T	58 39.875	-0.0011	11	-68 57 37.41	-0.015	09	0.59	39.936	21	96.9	36.54	18	92.2	A5	GC	17666	P -68 1818
32	9.2	9.1W	58 41.697	-0.0022	06	-61 54 43.53	-0.020	06	0.14	41.705	14	46.4	43.46	14	46.4	B8	CO	3784	P -61 3419
33	9.7	9.0W	58 42.222	0.0019	13	-62 12 42.70	-0.040	13	0.15	42.215	14	46.4	42.56	14	46.4	G5	CO	3785	P -61 3418
34		8.2T	59 37.976	0.0030	12	-61 3 47.22	-0.052	11	0.58	37.837	19	03.9	44.71	19	01.5	F0	GC	17684	P -60 4395
35		7.7T	59 42.575	0.0024	15	-60 28 27.93	-0.016	08	0.57	42.474	19	07.3	27.16	17	01.3	B0	GC	17689	P -60 4396
36		8.8	59 44.952	-0.0072	25	-65 49 33.64	0.014	36	1.67	45.322	45	98.5	34.35	53	98.5		M4	2872	P -65 2127
37	8.8	9.0W	13 0 29.268	-0.0002	07	-60 6 44.70	-0.007	07	0.14	29.269	14	46.4	44.68	14	46.4	B3	CO	3788	P*-59 4693
38	9.3	9.2W	0 39.024	-0.0052	07	-63 25 14.11	-0.016	07	0.14	39.042	14	46.4	14.05	14	46.4	B9	CO	3789	P -63 2506
39	9.5	9.1W	0 59.224	-0.0008	06	-61 11 37.84	-0.017	06	0.14	59.227	14	46.4	37.78	14	46.4	A3	CO	3790	P -60 4406
40		8.9	1 12.072	-0.0112	25	-65 57 25.72	0.057	36	1.70	12.649	53	98.4	28.65	63	98.4		M4	2875	P -65 2140
41	8.8	8.2W	1 29.620	-0.0019	06	-61 26 31.88	-0.001	06	0.14	29.627	14	46.4	31.88	14	46.4	B0	CO	3792	P -61 3439
42	9.5	8.8W	1 39.315	0.0008	07	-63 13 24.55	-0.000	07	0.14	39.312	14	46.4	24.55	14	46.4	B5	CO	3793	P -62 2993
43	8.8	9.0W	1 39.497	0.0001	06	-60 47 38.67	0.001	06	0.14	39.497	14	46.4	38.68	14	46.4	B8	CO	3794	P -60 4419
44		6.8T	1 50.591	-0.0065	10	-64 10 24.75	-0.026	08	0.51	50.933	19	97.6	23.27	18	92.9	A0	GC	17725	P -63 2515
45		8.3T	2 6.511	-0.0020	12	-60 10 20.80	-0.014	09	0.56	6.606	19	03.3	20.07	18	97.1	A0	GC	17733	P*-59 4719
46	9.3	9.1W	2 9.067	-0.0010	07	-63 46 58.15	-0.003	07	0.14	9.070	14	46.4	58.14	14	46.4	B0	CO	3796	P -63 2519
47	10.0	9.5W	2 49.737	0.0005	06	-61 58 9.98	-0.006	06	0.14	49.735	14	46.4	9.96	14	46.4	B8	CO	3797	P -61 3445
48	8.9	8.7W	2 51.206	-0.0066	07	-63 58 32.37	-0.007	07	0.14	51.230	14	46.4	32.34	14	46.4	B2	CO	3798	P -63 2527
49	9.8	9.7W	3 10.561	-0.0043	06	-60 52 31.89	-0.002	06	0.14	10.577	14	46.4	31.88	14	46.4	B9	CO	3799	P -60 4436
50		9.0	3 21.216	-0.0043	25	-66 35 3.76	-0.030	36	1.70	21.435	53	98.4	2.21	63	98.4		M4	2877	P -66 2070
51	9.8	9.3W	13 3 30.425	0.0085	06	-61 41 13.09	-0.007	06	0.14	30.395	14	46.4	13.06	14	46.4	G5	CO	3800	P -61 3449
52		7.5	3 34.318	0.0001	25	-64 56 47.14	-0.114	36	1.86	34.312	63	94.3	40.77	75	94.3		M4	2878	P -64 2163
53	8.9	8.7W	3 41.009	-0.0043	06	-61 50 36.91	-0.012	06	0.14	41.025	14	46.4	36.86	14	46.4	F5	CO	3801	P -61 3451
54	9.3	9.1W	3 44.996	0.0004	07	-61 40 35.70	-0.010	07	0.14	44.995	14	46.4	35.66	14	46.4	B5	CO	3802	P -61 3454
55	8.7	8.7W	3 47.194	-0.0012	06	-60 0 39.11	-0.008	06	0.14	47.199	14	46.4	39.08	14	46.4	B8	CO	3803	P -59 4735
56	9.6	9.6W	4 11.808	-0.0003	06	-60 26 7.91	-0.009	06	0.14	11.809	14	46.4	7.88	14	46.4	A0	CO	3804	P -60 4448
57		7.8	4 23.035	0.0008	25	-65 36 41.61	-0.084	36	1.47	23.000	53	06.4	37.94	63	06.4		M4	2883	P -65 2156
58	9.5	9.0W	4 23.244	-0.0002	07	-62 6 15.39	-0.008	07	0.14	23.245	14	46.4	15.36	14	46.4	B0	CO	3805	P -61 3462
59	10.2		4 26.237	-0.0034	11	-60 23 55.88	-0.001	11	0.15	26.249	14	46.4	55.88	14	46.4	A0	CO	3806	P -59 4747
60	9.5	9.0W	4 26.933	-0.0039	07	-61 28 10.82	0.044	07	0.14	26.947	14	46.4	10.98	14	46.4	F8	CO	3807	P*-61 3464
61	9.3	9.1W	4 31.925	-0.0099	11	-63 44 40.85	-0.030	11	0.15	31.960	14	46.4	40.74	14	46.4	A3	CO	3808	P -63 2543
62		5.6T	4 52.075	-0.0014	08	-65 2 21.47	-0.015	05	0.37	52.148	14	99.4	20.67	12	95.1	OAP	GC	17788K	P*-64 2183
63		6.5T	5 7.404	-0.0022	11	-67 31 48.97	-0.030	10	0.59	7.516	19	99.2	47.35	19	95.4	M0	GC	17792	P -67 2192
64	10.1	9.7W	5 11.718	-0.0047	07	-61 54 40.66	-0.000	07	0.14	11.735	14	46.4	40.66	14	46.4	B5	CO	3810	P -61 3469
65	8.6	8.9W	5 17.667	-0.0027	06	-60 58 37.86	-0.022	06	0.14	17.674	14	46.4	37.78	14	46.4	B8	CO	3811	P -60 4461
66		8.5	5 21.864	-0.0033	25	-69 27 25.47	-0.048	36	1.44	22.003	53	07.5	23.43	63	07.5		M4	2886	P -69 1765
67	9.4	9.5W	5 23.042	0.0016	13	-60 39 59.89	0.025	13	0.15	23.037	14	46.4	59.98	14	46.4	B9	CO	3812	P -60 4465
68	9.3	9.0W	5 29.124	-0.0078	07	-62 56 41.18	-0.009	07	0.14	29.152	14	46.4	41.15	14	46.4	A0	CO	3813	P -62 3022
69	9.8	9.0W	5 34.484	-0.0007	07	-60 55 11.03	-0.014	07	0.14	34.487	14	46.4	10.98	14	46.4	B0	CO	3814	P -60 4466
70	8.1	8.3W	5 36.621	0.0006	06	-60 4 18.38	-0.001	06	0.14	36.619	14	46.4	18.38	14	46.4	B2	CO	3815	P -59 4769
71	8.4	8.2W	6 8.821	-0.0050	06	-60 2 29.55	-0.019	06	0.14	8.839	14	46.4	29.48	14	46.4	F0	CO	3817	P -59 4778
72	9.0	8.6W	6 22.051	-0.0005	06	-62 36 16.66	-0.003	06	0.14	22.053	14	46.4	16.65	14	46.4	B0	CO	3818	P -62 3028
73		9.3	6 47.951	-0.0003	25	-68 30 51.59	0.076	36	1.79	47.968	45	94.4	55.84	53	94.4		M4	2889	P -68 1839
74		9.0	6 52.264	-0.0062	25	-67 17 7.93	-0.045	36	1.79	52.604	53	95.4	5.45	63	95.4		M4	2890	P -66 2093
75	9.7		7 11.522	-0.0040	07	-61 12 23.21	-0.036	07	0.14	11.537	14	46.4	23.08	14	46.4	B3	CO	3819	P -60 4485
76	8.8	8.6W	7 19.450	-0.0041	07	-61 34 0.55	0.004	07	0.14	19.465	14	46.4	0.56	14	46.4	F0	CO	3820	P -61 3483
77	8.7	8.7W	7 21.705	-0.0089	07	-60 35 9.63	-0.015	07	0.14	21.737	14	46.4	9.58	14	46.4	A2	CO	3821	P -60 4487
78	8.2	8.5W	7 29.178	-0.0088	07	-64 15 35.25	-0.002	07	0.14	29.210	14	46.4	35.24	14	46.4	B8	CO	3822	P -63 2585
79	10.0	9.7W	7 29.460	-0.0061	14	-62 45 33.66	0.026	14	0.15	29.482	14	46.4	33.75	14	46.4	B9	CO	3823	P -62 3035
80	8.4	8.3W	7 48.056	-0.0025	07	-61 49 17.93	-0.018	07	0.14	48.065	14	46.4	17.86	14	46.4	F2	CO	3824	P -61 3487
81	10.2		7 49.970	-0.0018	13	-61 6 45.04	0.012	13	0.15	49.977	14	46.4	45.08	14	46.4	A0	CO	3825	P -60 4493
82	9.8	9.7W	7 53.053	-0.0010	07	-60 41 36.25	-0.019	07	0.14	53.057	14	46.4	36.18	14	46.4	A0	CO	3826	P -60 4494
83		9.4	7 58.509	-0.0113	25	-69 44 1.41	0.035	36	1.79	59.128	53	95.5	3.32	63	95.5		M4	2896	P -69 1771
84		8.0	8 20.115	0.0067	25	-68 39 6.68	-0.029	36	1.47	19.823	53	06.5	5.39	63	06.5		M4	2898	P -68 1843
85		6.1T	8 22.768	0.0086	09	-69 40 35.28	-0.001	10	0.57	22.305	22	96.0	35.22	21	95.0	F2	GC	17846K	P -69 1772
86	9.5	9.5W	8 34.889	0.0039	12	-62 1 56.48	-0.004	12	0.15	34.875	14	46.4	56.46	14	46.4	B8	CO	3827	P -61 3496
87		6.4T	8 39.549	0.0001	11	-63 2 14.42	-0.003	08	0.50	39.545	19	03.7	14.28	18	97.0	F0	GC	17852	P -62 3046
88		9.0T	8 44.640	-0.0010	13	-62 32 59.45	-0.005	12	0.64	44.686	21	03.7	59.23	21	03.3	B0	GC	17856	P -62 3048
89		7.0T	8 45.418	-0.0018	12	-60 51 6.95	-0.014	11	0.57	45.501	19	03.2	6.27	19	00.5	F0	GC	17857	P -60 4508
90	9.7	9.5W	8 51.920	-0.0018	14	-61 19 30.47	0.002	14	0.15	51.927	14	46.4	30.48	14	46.4	B9	CO	3832	P -60 4509
91	9.5	8.6W	9 2.926	0.0032	07	-62 26 55.51	-0.013	07	0.14	2.914	14	46.4	55.46	14	46.4	G5	CO	3833	P -62 3053
92	9.2	9.0W	9 5.137	0.0002	07	-60 48 20.33	-0.015	07	0.14	5.137	14	46.4	20.28	14	46.4	B8	CO	3834	P -60 4512
93	8.7	8.8W	9 7.616	-0.0038	07	-63 32 48.70	-0.016	07	0.14	7.630	14	46.4	48.64	14	46.4	B8	CO	3835	P -63 2612
94	9.5	9.1W	9 24.507	0.0006	07	-61 45 47.43	-0.046	07	0.14	24.505	14	46.4	47.26	14	46.4	F8	CO	3836	P -61 3501
95		8.3T	9 24.732	0.0016	17	-60 17 44.00	-0.011	14	0.71	24.665	21	07.2	43.53	21	06.0	B9	GC	17871K	P -59 4820
96		6.0T	9 28.877	0.0051	10	-65 57 42.41	-0.001	07	0.49	28.620	19	99.5	42.33	17	91.2	A0	GC	17872	P -65 2201
97	8.9	9.0W	9 29.550	-0.0018	07	-61 11 58.21	-0.007	07	0.14	29.557	14	46.4	58.18	14	46.4	A0	CO	3838	P -60 4517
98		9.0	9 38.116	-0.0033	25	-69 53 8.79	0.057	36	1.61	38.278	53	01.4	11.55	63	01.4		M4	2909	P -69 1776
99		7.5T	9 39.166	-0.0053	10	-61 16 47.29	-0.019	08	0.49	39.415	18	02.9	46.34	17	99.7	A5	GC	17875	P -60 4520
00	9.7	9.7W	9 50.526	0.0027	11	-61 0 30.23	-0.013	11	0.15	50.517	14	46.4	30.18	14	46.4	A0	CO	3840	P -60 4525

252200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 13H DM NUMBER
1	8.5	8.7W	13 9 53.191	-0.0032	07	-63 20 35.53	0.006	07	0.14	53.202	14	46.4	35.55	14	46.4	B9	CO	3841	F -62 3064
2	9.1	9.1W	9 57.804	-0.0004	06	-62 15 43.89	-0.009	06	0.14	57.805	14	46.4	43.86	14	46.4	B8	CO	3842	F -61 3505
3	9.2	8.8W	9 58.739	0.0012	07	-61 37 34.92	-0.046	07	0.14	58.735	14	46.4	34.76	14	46.4	CO	CO	3843	P -61 3526
4	8.8	8.8W	10 1.067	-0.0000	07	-60 49 27.16	-0.022	07	0.14	1.067	14	46.4	27.08	14	46.4	B	CO	3844	P -60 4528
5	9.5	9.1W	10 2.455	-0.0048	07	-63 2 6.01	-0.043	07	0.14	2.472	14	46.4	5.85	14	46.4	A2	CO	3845	P -62 3066
6	9.6	9.7W	10 11.644	0.0015	11	-60 22 56.15	0.008	11	0.15	11.639	14	46.4	56.18	14	46.4	B9	CO	3846	P -59 4836
7	8.4	8.5W	10 20.944	0.0005	07	-62 50 15.95	-0.000	07	0.14	20.942	14	46.4	15.95	14	46.4	A0	CO	3847	P -62 3073
8		8.8	10 22.103	0.0107	25	-67 39 41.40	-0.031	36	1.79	21.521	53	95.5	39.69	63	95.5		M4	2914	P -67 2217
9	9.4	9.4W	10 22.809	0.0034	07	-61 26 44.47	0.003	07	0.14	22.797	14	46.4	44.48	14	46.4	B9	CO	3848	P -61 3511
10	9.7	9.4W	10 24.160	-0.0006	07	-63 25 7.63	-0.022	07	0.14	24.162	14	46.4	7.55	14	46.4	B9	CO	3849	P -63 2633
11	9.7	9.6W	10 26.881	-0.0022	11	-60 14 31.83	0.014	11	0.15	26.889	14	46.4	31.88	14	46.4	A0	CO	3850	P -59 4840
12	9.7	8.9W	10 28.196	-0.0213	06	-62 31 42.55	-0.056	06	0.14	28.273	14	46.4	42.35	14	46.4	G5	CO	3851	P -62 3080
13		8.2T	10 30.385	-0.0008	11	-63 19 18.35	-0.003	10	0.51	30.419	18	07.9	18.23	18	04.0	B2	GC	17891	P -62 3079
14	7.9	7.9W	10 30.542	-0.0052	07	-64 2 54.04	-0.026	07	0.14	30.560	14	46.4	53.94	14	46.4	A0	CO	3853	P -63 2636
15	8.6	7.4W	10 31.690	-0.0035	07	-62 33 2.31	-0.017	07	0.14	31.703	14	46.4	2.25	14	46.4	K0	CO	3854	P -62 3081
16		8.8	10 35.892	0.0128	25	-65 41 34.35	-0.019	36	1.70	35.233	53	98.5	33.35	63	98.5		M4	2915	F -65 2211
17	9.1	9.1W	10 36.729	-0.0066	07	-63 19 16.86	-0.003	07	0.14	36.752	14	46.4	16.85	14	46.4	B8	CO	3855	P -62 3083
18		6.6T	10 48.360	0.0001	12	-62 23 21.50	-0.018	09	0.54	48.355	19	05.7	20.61	17	99.9	F5	GC	17905K	P -61 3516
19	7.9	8.0W	10 56.557	-0.0014	06	-63 6 32.38	-0.009	06	0.14	56.562	14	46.4	32.35	14	46.4	B0	CO	3857	P -62 3090
20		7.0T	11 28.857	0.0011	11	-63 18 59.58	-0.005	09	0.53	28.806	19	03.7	59.34	18	99.7	B3	GC	17917K	P*-62 3096
21	9.6	9.5W	11 31.370	0.0008	13	-60 50 33.71	-0.009	13	0.15	31.367	14	46.4	33.68	14	46.4	B9	CO	3859	P -60 4545
22	9.4	9.6W	11 37.237	-0.0021	07	-61 45 56.75	0.004	07	0.14	37.245	14	46.4	56.76	14	46.4	B9	CO	3860	P -61 3524
23		8.2T	11 44.095	-0.0080	12	-67 36 56.78	-0.013	09	0.62	45.305	21	98.8	56.05	18	92.5	A0	GC	17923	P -67 2223
24		5.0H	11 49.986	-0.0058	03	-67 37 48.79	-0.017	03	0.13	50.190	06	14.8	48.22	06	15.5	B8	F4	493	P -67 2224
25		6.4T	11 56.320	-0.0175	12	-69 24 53.39	-0.055	11	0.63	57.221	21	98.4	50.43	19	96.1	K0	GC	17931.	P -69 1784
26	10.1	9.5W	11 58.602	0.0016	07	-60 42 8.87	0.003	07	0.14	58.597	14	46.4	8.88	14	46.4	B	CO	3861	P -60 4551
27		9.0	12 2.845	0.0027	25	-66 44 57.09	-0.072	36	1.70	2.703	53	98.4	53.38	63	98.4		M4	2919	P -66 2129
28	9.5	9.3W	12 15.262	-0.0036	13	-62 7 20.57	-0.003	13	0.15	15.275	14	46.4	20.56	14	46.4	B9	CO	3862	P -61 3532
29	8.9	9.0W	12 26.483	-0.0035	07	-61 47 44.54	-0.021	07	0.14	26.495	14	46.4	44.46	14	46.4	B9	CO	3863	P -61 3535
30	9.6	9.0W	12 31.651	-0.0012	06	-61 36 1.87	-0.002	06	0.14	31.655	14	46.4	1.86	14	46.4	B0	CO	3864	P -61 3539
31	8.6	8.9W	12 34.459	-0.0031	07	-63 37 12.44	0.000	07	0.14	34.470	14	46.4	12.44	14	46.4	B2	CO	3865	P -63 2662
32	9.9	9.4W	12 41.717	-0.0055	07	-60 33 43.47	0.003	07	0.14	41.737	14	46.4	43.48	14	46.4	B	CO	3866	P -60 4558
33	7.9	8.0W	12 50.237	0.0006	06	-62 19 10.94	0.005	06	0.14	50.235	14	46.4	10.96	14	46.4	B2	CO	3867	P -61 3544
34	9.0	9.1W	13 17.499	-0.0021	07	-61 17 0.34	0.011	07	0.14	17.507	14	46.4	0.38	14	46.4	B9	CO	3868	P -61 4563
35		9.3T	13 23.294	0.0013	14	-60 50 34.24	-0.005	12	0.70	23.230	22	01.2	33.99	22	99.0	K2	GC	17954	P -60 4566
36		6.1T	13 25.798	-0.0151	12	-64 52 25.83	-0.058	09	0.56	26.536	21	01.1	22.83	18	97.9	F5	GC	17955	P*-64 2316
37	9.4	9.3W	13 33.408	-0.0040	07	-62 47 39.12	0.009	07	0.14	33.423	14	46.4	39.15	14	46.4	B8	CO	3870	F -62 3115
38	8.6	8.7W	13 40.711	-0.0011	07	-61 32 27.16	0.001	07	0.14	40.715	14	46.4	27.16	14	46.4	A0	CO	3871	F -61 3552
39	9.0	8.7W	13 40.941	-0.0023	07	-60 11 33.29	-0.004	07	0.14	40.949	14	46.4	33.28	14	46.4	A0	CO	3872	P -59 4878
40		4.8T	13 49.333	-0.0020	08	-66 31 11.88	-0.021	06	0.30	49.414	10	09.9	10.93	10	05.6	K0	GC	17959	P*-66 2142
41			14 11.453	-0.0010	07	-61 19 13.93	-0.014	07	0.14	11.457	14	46.4	13.88	14	46.4	MB	CO	3873V	P*-60 4568
42	8.8	9.0W	14 11.837	0.0001	07	-60 48 26.15	0.008	07	0.14	11.837	14	46.4	26.18	14	46.4	B8	CO	3874	P*-60 4569
43		9.1	14 16.716	0.0047	25	-69 32 46.93	-0.002	36	1.64	16.485	53	00.5	46.84	63	00.5		M4	2925	P -69 1797
44		8.6T	14 21.121	-0.0040	14	-67 46 37.69	-0.030	12	0.69	21.316	22	01.6	36.14	21	97.6	B9	GC	17960	P -67 2235
45		6.8T	14 26.814	-0.0048	13	-68 13 57.43	-0.034	12	0.65	27.048	18	01.5	55.66	18	97.4	B9	GC	17962K	P*-67 2237
46	9.4	9.3W	14 29.472	0.0020	07	-62 11 26.17	-0.004	07	0.14	29.465	14	46.4	26.16	14	46.4	B2	CO	3875	P -61 3566
47	8.1	8.3W	14 31.572	-0.0018	07	-60 9 9.02	-0.012	07	0.14	31.579	14	46.4	8.98	14	46.4	B9	CO	3876	P -59 4884
48	9.1	9.1W	14 42.253	-0.0033	07	-62 11 33.08	-0.005	07	0.14	42.275	14	46.4	33.06	14	46.4	B8	CO	3877	P -61 3568
49	8.6	8.5W	14 42.763	-0.0039	06	-60 44 50.37	-0.025	06	0.14	42.777	14	46.4	50.28	14	46.4	F2	CO	3878	P -60 4573
50	8.1	7.8W	14 49.199	-0.0036	07	-63 25 25.87	-0.006	07	0.14	49.212	14	46.4	25.85	14	46.4	B0	CO	3879	P -63 2684
51	9.1	7.5W	13 14 53.539	-0.0028	07	-60 8 2.92	0.018	07	0.14	53.549	14	46.5	2.98	14	46.5	K2	CO	4132	P -59 4889
52		6.8T	15 2.438	-0.0020	15	-63 11 10.87	-0.021	11	0.64	2.529	21	04.6	9.83	19	99.8	F5	GC	17994	P -62 3137
53	9.0	7.2W	15 4.126	-0.0002	06	-61 3 54.65	0.008	06	0.14	4.127	14	46.4	54.68	14	46.4	MB	CO	3882	P -60 4579
54	9.2	9.3W	15 7.098	-0.0018	14	-61 57 14.78	0.022	14	0.15	7.105	14	46.4	14.86	14	46.4	A0	CO	3883	P -61 3573
55	9.1	9.2W	15 11.288	-0.0040	14	-62 58 57.14	0.004	14	0.15	11.302	14	46.4	57.15	14	46.4	B9	CO	3884	P -62 3140
56	7.9	8.0W	15 19.628	0.0008	07	-62 13 41.38	-0.005	07	0.14	19.625	14	46.4	41.36	14	46.4	B2	CO	3885	P -61 3575
57	10.0		15 23.820	-0.0013	12	-61 41 58.19	-0.008	12	0.15	23.825	14	46.4	58.16	14	46.4	A0	CO	3886	P -61 3578
58		8.4	15 34.070	-0.0072	25	-67 7 8.49	-0.047	36	1.44	34.377	53	07.5	6.47	63	07.5		M4	2930	P -66 2158
59	9.5	9.2W	15 51.131	-0.0045	07	-61 21 18.53	-0.014	07	0.14	51.147	14	46.4	18.48	14	46.4	F5	CO	3887	P -60 4584
60	9.4	8.1W	16 11.837	0.0002	07	-61 6 31.40	-0.006	07	0.14	11.837	14	46.4	31.38	14	46.4	K2	CO	3888	P -60 4587
61	7.9	7.7W	16 14.233	0.0031	06	-63 29 32.65	-0.027	06	0.14	14.222	14	46.4	32.55	14	46.4	F5	CO	3889	P -63 2697
62		7.4T	16 16.846	-0.0024	12	-67 6 6.31	-0.030	11	0.62	16.966	19	00.4	4.73	19	98.1	A0	GC	18013	P -66 2164
63	8.8	7.0W	16 25.302	-0.0020	06	-60 22 21.29	-0.002	06	0.14	25.309	14	46.4	21.28	14	46.4	K5	CO	3890	P -59 4902
64	9.0	9.1W	16 26.743	0.0003	07	-62 46 25.42	0.009	07	0.14	26.742	14	46.4	25.45	14	46.4	B9	CO	3891	P -62 3159
65	7.7	8.0W	16 35.088	-0.0018	06	-61 42 23.34	0.006	06	0.14	35.095	14	46.4	23.36	14	46.4	B9	CO	3892	P -61 3600
66	9.4	9.0W	16 37.413	-0.0372	13	-61 15 0.14	-0.073	13	0.15	37.547	14	46.4	-59.88	14	46.4	F8	CO	3893	P -60 4593
67	8.6	8.4W	16 42.859	0.0013	06	-61 46 7.36	0.001	06	0.14	42.855	14	46.4	7.36	14	46.4	F8	CO	3895	P -61 3603
68		6.7T	16 45.495	-0.0006	11	-62 15 51.57	0.004	09	0.47	45.520	18	06.4	51.77	17	04.3	K0	GC	18021	P -61 3604
69	9.6	9.1W	16 53.782	0.0043	13	-61 9 3.77	0.002	13	0.15	53.777	14	46.4	3.78	14	46.4	G5	CO	3897	P -60 4598
70	8.2	8.1W	16 56.700	-0.0013	06	-61 44 37.71	0.013	06	0.14	56.705	14	46.4	37.76	14	46.4	B0	CO	3898	P -61 3608
71		7.7T	17 4.793	-0.0035	12	-69 25 6.28	-0.024	12	0.63	4.964	21	00.7	5.04	19	98.6	A2	GC	18026	P -69 1808
72	8.8	9.0W	17 5.761	-0.0054	07	-63 30 44.78	-0.010	07	0.14	5.780	14	46.4	44.74	14	46.4	B9	CO	3899	P -63 2702
73	9.6	9.3W	17 16.933	-0.0026	07	-63 8 59.36	-0.002	07	0.14	16.942	14	46.4	59.35	14	46.4	B2	CO	3900	P -62 3174
74	8.4	8.4W	17 28.680	0.0010	07	-60 35 53.65	-0.018	07	0.14	28.677	14	46.4	53.58	14	46.4	A2	CO	3901	P -60 4605
75	9.4	8.2W	17 33.473	-0.0026	07	-62 38 46.42	0.008	07	0.14	33.483	14	46.4	46.45	14	46.4	K0	CO	3902	P -62 3182
76		7.1T	18 0.348	-0.0018	13	-67 16 31.37	-0.045	12	0.69	0.439	22	00.5	28.98	21	97.4	B3	GC	18045	P -66 2171
77	7.7	7.4W	18 4.732	-0.0329	06	-63 47 13.90	-0.043	06	0.14	4.850	14	46.4	13.74	14	46.4	G0	CO	3903	P -63 2711
78		8.7	18 5.011	-0.0083	25	-68 55 55.85	-0.048	36	1.67	5.428	53	99.5	53.42	63	99.5		M4	2937	P -68 1890
79		8.3T	18 14.199	-0.0034	14	-65 46 18.55	-0.030	12	0.63	14.354	21	04.4	17.15	19	03.6	A0	GC	18052	P -65 2279
80	8.6	8.7W	18 17.668	0.0003	05	-60 32 49.04	-0.017	05	0.14	17.667	14	46.4	48.98	14	46.4	B8	CO	3905	P -60 4610
81	9.8	9.7W	18 22.400	-0.0024	13	-60 15 32.94	0.010	13	0.15	22.409	14	46.4	32.98	14	46.4	B	CO	3906	P -59 4923
82	9.2	9.1W	18 54.765	-0.0004	07	-61 7 39.98	0.000	07	0.14	54.767	14	46.4	39.98	14	46.4	B2	CO	3908	P -60 4619
83		6.5T	19 20.663	-0.0020	07	-60 42 38.52	-0.018	06	0.30	20.743	10	09.9	37.74	10	06.4	B3	GC	18084K	P*-60 4627
84		4.6H	19 22.932	-0.0046	04	-60 43 36.67	-0.017	04	0.13	23.046	09	24.9	36.23	08	24.3	B5	F4	1347	P -60 4627
85	8.4	7.9W	19 36.543	-0.0005	06	-61 45 3.39	-0.008	06	0.14	38.545	14	46.4	3.36	14	46.4	B0	CO	3911	P -61 3638
86	9.0	9.2W	19 44.605	-0.0049	07	-62 48 1.95	0.001	07	0.14	44.622	14	46.4	1.95	14	46.4	B3	CO	3912	P -62 3209
87	9.0	9.1W	19 48.741	-0.0060	07	-63 21 5.36	-0.002	07	0.14	48.762	14	46.4	5.35	14	46.4	B9	CO	3913	P -62 3210
88	9.1	9.2W	19 54.642	-0.0012	06	-60 53 44.83	-0.013	06	0.14	54.647	14	46.4	44.78	14	46.4	B2	CO	3914	P -60 4630
89	8.2	8.0W	19 55.024	-0.0108	06	-62 36 36.91	0.011	06	0.14	55.063	14	46.4	36.95	14	46.4	F8	CO	3915	P -62 3214
90		8.3T	20 3.363	0.0020	17	-60 0 11.80	-0.047	12	0.68	3.279	21	07.6	9.69	19	05.0	M0	GC	18101	P -59 4940
91	8.2	8.4W	20 19.654	-0.0042	07	-60 6 56.93	-0.043	07	0.14	19.669	14	46.4	56.78	14	46.4	A3	CO	3918	P -59 4945
92		9.0	20 31.208	0.0007	25	-66 35 25.38	-0.087	36	1.70	31.170	53	98.4	20.88	63	98.4		M4	2950	P -66 2188
93		4.5T	20 37.523	0.0055	08	-64 16 29.16	-0.032	06	0.29	37.316	12	12.1	27.83	12	08.3	G0	GC	18107	P*-63 2732
94		8.2	20 43.992	-0.0022	25	-67 3 17.36	-0.031	36	1.44	44.087	53	07.4	16.02	63	07.4		M4	2952	P -66 2192
95	9.1	9.2W	21 1.422	0.0041	07	-61 21 8.80	-0.006	07	0.14	1.407	14	46.4	8.78	14	46.4	B2	CO	3919	P -60 4643
96	9.7		21 2.568	-0.0020	13	-62 19 15.07	-0.003	13	0.15	2.575	14	46.4	15.06	14	46.4	B9	CO	3920	P -61 3659
97		8.9T	21 7.591	-0.0060	11	-68 27 34.11	-0.035	11	0.64	7.907	21	97.4	32.25	21	96.2	F0	GC	18115	P -68 1913
98	9.9	9.7W	21 15.570	0.0010	13	-61 3 36.39	-0.031	13	0.15	15.567	14	46.4	36.28	14	46.4	B5	CO	3921	P -60 4645
99		9.0	21 25.793	-0.0109	25	-64 31 41.63	0.070	36	1.76	26.376	53	96.5	45.38	63	96.5		M4	2953	P -64 2392
00	9.0	9.0W	21 26.404	-0.0002	07	-62 5 43.93	0.007	07	0.14	26.405	14	46.4	43.96	14	46.4	B9	CO	3922	P -61 3669

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NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	8.7	9.1W	13 21 35.365	-0.0004	07	-60 46 7.25	0.007	07	0.14	35.367	14	46.4	7.28	14	46.4	B3		CO	3923	P -60 4649
2	8.0	8.2W	21 43.493	-0.0010	07	-60 42 39.53	-0.013	07	0.14	43.497	14	46.4	39.48	14	46.4	B2		CO	3924	P -60 4651
3		8.6T	21 43.924	0.0005	12	-62 54 55.24	-0.012	11	0.61	43.901	21	02.5	55.86	19	99.8	B9		GC	18129	P -62 3240
4		5.5T	21 51.700	-0.0244	08	-64 13 28.98	-0.031	06	0.30	52.617	09	12.5	27.73	09	09.6	F5		GC	18132K	P*-63 2743
5		7.1T	21 57.463	0.0003	14	-68 16 4.87	0.002	12	0.70	57.449	21	00.6	5.00	19	96.6	K0		GC	18136	P -67 2275
6	8.4	8.5W	22 9.255	-0.0031	07	-61 26 7.80	-0.005	07	0.14	9.267	14	46.4	7.78	14	46.4	A5		CO	3927	P*-61 3682
7	8.9	9.1W	22 49.539	-0.0017	06	-62 18 2.25	0.002	06	0.14	49.545	14	46.4	2.26	14	46.4	A0		CO	3928	P -61 3688
8	9.5	8.7W	23 37.840	-0.0018	11	-60 34 2.03	-0.016	11	0.15	37.847	14	46.4	1.98	14	46.4	G5		CO	3929	P -60 4671
9	8.6	8.4W	23 45.038	0.0009	06	-62 23 59.68	-0.033	06	0.14	45.034	14	46.4	59.56	14	46.4	F5		CO	3930	P -62 3265
10	9.4	9.6W	23 48.922	-0.0052	07	-63 50 4.73	0.003	07	0.14	48.940	14	46.4	4.74	14	46.4	B9		CO	3931	P -63 2754
11			24 4.276	-0.0024	13	-61 36 52.54	0.006	13	0.15	4.285	14	46.4	52.56	14	46.4	B8		CO	3932V	P*-61 3704
12		7.9T	24 4.453	-0.0002	13	-62 23 22.84	0.002	10	0.53	4.460	18	09.0	22.94	18	03.7	B-		GC	18169K	P*-62 3270
13	8.1	8.4W	24 8.578	-0.0004	07	-63 33 28.38	-0.011	07	0.14	8.580	14	46.4	28.34	14	46.4	B9		CO	3934	P -63 2760
14	8.3	8.5W	24 9.900	-0.0035	07	-63 16 48.14	0.002	07	0.14	9.912	14	46.4	48.15	14	46.4	B2		CO	3935	P -62 3271
15	9.3	9.3W	24 21.738	-0.0024	07	-61 14 0.65	0.008	07	0.14	21.747	14	46.4	0.68	14	46.4	A0		CO	3936	P -60 4680
16	8.8	9.1W	24 38.061	-0.0087	14	-62 57 56.35	0.001	14	0.15	38.092	14	46.4	56.35	14	46.4	A0		CO	3937	P -62 3274
17		7.6T	24 43.457	-0.0033	14	-60 48 13.76	-0.035	10	0.62	43.604	21	04.9	12.01	18	99.6	A0		GC	18179	P -60 4687
18		7.1T	24 50.116	-0.0058	12	-67 36 38.09	-0.027	11	0.62	50.400	21	01.1	36.68	19	97.0	A3		GC	18182K	P*-67 2286
19			25 0.120	-0.0006	14	-63 19 30.17	-0.034	14	0.15	0.122	14	46.4	30.05	14	46.4	A0		CO	3939V	P*-62 3275
20	9.6	8.5W	25 2.541	-0.0077	07	-60 5 54.32	-0.011	07	0.14	2.569	14	46.4	54.28	14	46.4	K0		CO	3940	P -59 4990
21		6.2T	25 6.904	-0.0072	14	-69 22 7.44	-0.052	11	0.68	7.251	22	01.6	4.66	21	96.5	B9		GC	18189	P -68 1929
22	8.7	8.9W	25 9.284	-0.0014	07	-60 7 38.62	-0.011	07	0.14	9.289	14	46.5	38.58	14	46.5	B9		CO	4192	P -59 4993
23	8.1	8.4W	25 12.963	-0.0048	07	-63 59 8.21	-0.020	07	0.14	12.980	14	46.4	8.14	14	46.4	B9		CO	3942	P -63 2770
24	8.5	8.9W	25 17.854	-0.0016	13	-63 59 36.91	0.009	13	0.15	17.860	14	46.4	36.94	14	46.4	B9	O	CO	3943	P -63 2771
25		8.9	25 23.734	-0.0062	25	-66 42 29.40	0.074	36	1.79	24.075	53	95.4	33.44	63	95.4			M4	2971	P -66 2231
26		6.6T	25 34.698	0.0016	15	-61 50 37.39	-0.008	12	0.65	34.626	21	05.2	37.01	19	01.2	G0		GC	18200	P -61 3732
27		8.3	25 37.496	-0.0292	25	-65 48 55.34	0.011	36	1.76	39.060	53	96.4	55.91	63	96.4			M4	2972	P -65 2343
28		7.2T	25 41.340	0.0004	14	-63 36 56.54	-0.018	11	0.65	41.323	21	03.6	55.62	19	98.9	B3		GC	18204	P -63 2778
29		6.2T	25 42.250	-0.0117	15	-64 25 2.07	-0.011	10	0.62	42.786	21	04.4	1.53	18	00.6	A0		GC	18206	P -64 2418
30		8.5T	25 47.885	0.0021	14	-60 39 53.35	-0.016	11	0.62	47.790	21	05.0	52.56	18	00.3	B9		GC	18210	P -60 4696
31	9.3	9.1W	25 50.891	0.0005	07	-60 26 59.24	-0.018	07	0.14	50.889	14	46.4	59.18	14	46.4	A2		CO	3947	P -60 4700
32	8.5	8.7W	26 4.554	-0.0045	07	-64 12 6.27	-0.008	07	0.14	4.570	14	46.4	6.24	14	46.4	B9		CO	3948	P -63 2779
33	9.5	9.2W	26 20.118	0.0004	07	-60 52 14.13	-0.016	07	0.14	20.117	14	46.4	14.08	14	46.4	G0		CO	3949	P -60 4710
34	9.6	9.4W	26 36.351	-0.0011	06	-62 9 33.38	-0.006	06	0.14	36.355	14	46.4	33.36	14	46.4	B3		CO	3950	P -61 3741
35		9.0	27 0.010	-0.0083	25	-69 21 23.56	0.019	36	1.74	0.452	53	96.5	24.57	53	96.5			M4	2974	P -68 1937
36	10.3		27 2.794	-0.0007	11	-61 5 56.07	0.004	11	0.15	2.797	14	46.4	56.08	14	46.4	B	O	CO	3951	P -60 4718
37	10.0	9.7W	27 15.616	0.0003	07	-61 53 11.04	-0.023	07	0.14	15.615	14	46.4	10.96	14	46.4	B8		CO	3952	P -61 3751
38	9.5	9.7W	27 49.772	-0.0022	14	-64 12 49.15	-0.002	14	0.15	49.780	14	46.4	49.14	14	46.4	B5		CO	3953	P -63 2789
39		7.9T	27 51.270	-0.0021	11	-60 28 15.33	-0.023	09	0.52	51.372	18	02.4	14.19	17	00.2	A2		GC	18252K	P*-60 4734
40		8.9	27 56.148	0.0057	25	-68 34 6.03	0.095	36	1.52	55.889	53	04.5	10.33	63	04.5			M4	2978	P -68 1939
41	9.0	9.1W	28 2.053	-0.0026	07	-63 25 38.64	0.002	07	0.14	2.062	14	46.4	38.65	14	46.4	B9		CO	3955	P -63 2791
42		6.6T	28 12.830	0.0005	11	-61 19 29.69	0.004	09	0.53	12.804	19	00.8	29.92	18	96.3	F8		GC	18259	P -60 4739
43	8.9	9.0W	28 25.047	-0.0044	07	-63 7 3.21	0.013	07	0.14	25.062	14	46.4	3.25	14	46.4	A2		CO	3957	P -62 3324
44		8.0	28 26.309	-0.0042	25	-67 18 52.17	-0.032	36	1.45	26.491	53	07.2	50.78	63	07.2			M4	2981	P -66 2248
45		6.6T	28 28.885	-0.0123	14	-65 3 52.86	-0.020	11	0.62	29.447	21	04.5	51.87	18	01.5	A3		GC	18266	P -64 2441
46	9.9	9.6W	28 36.853	-0.0009	13	-60 46 33.98	0.027	13	0.15	36.857	14	46.4	34.08	14	46.4	A0	O	CO	3958	P -60 4742
47		9.0T	28 39.866	0.0003	17	-62 46 49.20	-0.010	12	0.75	39.852	22	03.0	48.68	19	96.4	B		GC	18274K	P -62 3326
48		7.6T	28 40.007	-0.0003	11	-62 47 4.72	0.004	09	0.56	40.022	19	00.2	4.95	18	95.0	B0		GC	18275K	P -62 3326
49	8.9	8.0W	28 39.992	-0.0019	07	-60 10 54.37	-0.025	07	0.14	39.999	14	46.4	54.28	14	46.4	G0		CO	3961	P -59 5018
50	8.7	9.0W	28 47.123	-0.0026	07	-62 31 25.29	0.016	07	0.14	47.133	14	46.4	25.35	14	46.4	B3		CO	3962	P -62 3329
51		9.3	13 28 47.899	-0.0052	25	-67 19 24.53	-0.034	36	1.42	48.118	53	08.2	23.10	63	08.2			M4	2986	P -66 2250
52	8.7	8.9W	28 49.105	-0.0005	07	-60 33 30.04	-0.018	07	0.14	49.107	14	46.4	29.98	14	46.4	B		CO	3963	P -60 4744
53		7.3	28 51.430	-0.0013	25	-68 58 32.94	-0.067	36	1.81	51.499	53	94.5	29.22	63	94.5			M4	2985	P -68 1944
54		8.9T	28 52.636	0.0024	13	-61 44 0.57	0.009	12	0.69	52.517	22	00.8	1.04	21	98.7	M0		GC	18280	P -61 3769
55	8.7	9.0W	28 52.923	0.0002	06	-62 32 17.39	-0.011	06	0.14	52.923	14	46.4	17.35	14	46.4	B3		CO	3965	P -62 3335
56		6.6T	29 9.398	-0.0017	10	-62 5 14.18	-0.009	07	0.46	9.478	18	02.7	13.72	17	98.1	B9		GC	18265K	P*-61 3777
57	9.6	9.4W	29 34.711	-0.0011	13	-61 50 43.27	0.024	13	0.15	34.715	14	46.4	43.36	14	46.4	A0		CO	3967	P -61 3783
58	7.9	7.5W	29 40.189	0.0047	06	-63 24 27.31	0.038	06	0.14	40.172	14	46.4	27.45	14	46.4	G0		CO	3968	P -63 2811
59	9.2	8.7W	29 40.567	-0.0049	08	-62 7 42.74	-0.021	08	0.14	40.585	14	46.4	42.66	14	46.4	A2		CO	3969	P*-61 3786
60	9.1	9.2W	30 2.313	-0.0058	13	-61 2 27.87	-0.001	13	0.15	2.334	14	46.5	27.86	14	46.5	B3		CO	3971	P -60 4756
61		6.4T	30 5.181	-0.0065	10	-65 22 33.33	-0.018	07	0.53	5.523	19	97.7	32.20	17	88.9	A0		GC	18300	P -64 2465
62	9.8		30 9.325	-0.0014	14	-62 54 52.63	0.030	14	0.15	9.330	14	46.5	52.73	14	46.5	A0		CO	3972	P -62 3354
63		8.2	30 9.847	0.0011	25	-66 28 36.25	-0.028	36	1.74	9.789	36	95.4	34.73	45	95.4			M4	2990	P -66 2255
64	8.9	8.9W	30 13.870	-0.0006	07	-62 3 40.14	0.003	07	0.14	13.872	14	46.5	40.14	14	46.5	B2		CO	3973	P -61 3793
65	9.9	9.7W	30 14.131	-0.0008	07	-61 29 20.90	0.017	07	0.14	14.134	14	46.5	20.96	14	46.5	A0		CO	3974	P -61 3794
66		7.2T	30 17.849	-0.0022	15	-65 49 20.15	-0.018	10	0.62	17.946	21	05.4	19.27	19	01.4	B9		GC	18306	P -65 2371
67	9.7	9.1W	30 19.152	-0.0072	07	-63 37 38.65	0.021	07	0.14	19.178	14	46.5	38.72	14	46.5	K0		CO	3975	P -63 2821
68	9.4	8.3W	30 25.039	-0.0036	06	-61 34 31.69	-0.014	06	0.14	25.052	14	46.5	31.64	14	46.5	K0		CO	3976	P -61 3796
69	9.0	9.1W	30 27.401	-0.0006	13	-61 22 3.72	0.013	13	0.15	27.404	14	46.5	3.76	14	46.5	A0		CO	3977	P -60 4763
70	9.3	9.1W	30 43.336	0.0035	07	-60 55 29.26	-0.029	07	0.14	43.324	14	46.5	29.16	14	46.5	A3		CO	3978	P -60 4765
71	7.4	7.5W	31 17.448	-0.0034	07	-63 4 46.13	0.003	07	0.14	17.460	14	46.5	46.14	14	46.5	B0		CO	3979	P -62 3374
72	9.6	8.6W	31 22.633	-0.0026	06	-61 32 3.17	0.020	06	0.14	22.642	14	46.5	3.24	14	46.5	K0		CO	3980	P -61 3811
73	9.4	9.5W	31 35.392	-0.0050	13	-63 22 34.64	-0.003	13	0.15	35.410	14	46.5	34.63	14	46.5	B9		CO	3981	P -62 3376
74	9.7	9.5W	31 43.191	-0.0008	07	-60 58 32.94	0.006	07	0.14	43.194	14	46.5	32.96	14	46.5	B	O	CO	3982	P -60 4774
75		6.7T	31 46.526	0.0001	12	-62 22 29.20	-0.030	09	0.50	46.523	19	06.9	27.84	17	04.3	K0		GC	18340	P -61 3819
76	8.0	8.1W	32 3.746	-0.0018	07	-61 41 49.83	0.005	07	0.14	3.752	14	46.5	49.84	14	46.5	A0		CO	3985	P*-61 3821
77		7.8T	32 8.227	-0.0113	13	-64 53 47.53	-0.022	10	0.56	8.706	18	07.7	46.43	18	00.9	F5		GC	18350	P -64 2476
78	7.8	8.0W	32 17.148	-0.0012	07	-61 36 43.25	-0.001	07	0.14	17.152	14	46.5	43.25	14	46.5	B3		CO	3986	P -61 3825
79	8.2	8.2W	32 37.633	0.0028	07	-61 8 11.47	-0.004	07	0.14	37.624	14	46.5	11.46	14	46.5	A2		CO	3987	P -60 4783
80	9.8		32 51.422	0.0019	13	-60 4 25.06	0.001	13	0.15	51.416	14	46.5	25.06	14	46.5	A0		CO	3988	P -59 5051
81	7.7	8.0W	32 54.643	-0.0020	07	-62 53 25.80	-0.019	07	0.14	54.650	14	46.5	25.73	14	46.5	B8		CO	3989	P -62 3394
82		7.7T	33 8.622	-0.0025	12	-62 5 23.83	-0.001	09	0.50	8.730	18	07.3	23.86	18	03.4	+++		GC	18372	P*-61 3830
83	8.6	8.8W	33 23.109	-0.0003	07	-62 56 56.97	-0.010	07	0.14	23.110	14	46.5	56.93	14	46.5	B9		CO	3991	P -62 3400
84	9.4	9.4W	33 25.562	0.0005	07	-62 50 26.67	-0.010	07	0.14	25.560	14	46.5	26.64	14	46.5	A0		CO	3992	P -62 3401
85	8.5	8.6W	33 31.635	-0.0013	07	-63 23 28.24	-0.002	07	0.14	31.640	14	46.5	28.23	14	46.5	B2		CO	3993	P -63 2856
86		8.6	33 35.663	-0.0039	25	-67 27 22.87	0.027	36	1.64	35.858	53	00.5	24.20	63	00.5			M4	3001	P -67 2318
87		5.6T	33 47.598	0.0196	09	-61 26 8.45	-0.119	07	0.43	46.632	17	00.7	2.06	14	96.2	F5		GC	18384K	P*-61 3841
88		7.8T	33 54.279	-0.0023	12	-64 40 53.61	-0.029	11	0.58	54.388	21	02.8	52.15	19	00.4	B9		GC	18385K	P*-64 2487
89		9.0	34 8.760	0.0021	25	-67 27 18.86	0.015	36	1.61	8.656	45	00.5	19.58	53	00.5			M4	3004	P -67 2320
90		9.0	34 50.133	0.0001	25	-69 2 23.83	0.011	36	1.47	50.129	53	06.4	24.31	63	06.4			M4	3005	P -68 1962
91	9.7	9.7W	34 56.308	-0.0012	13	-61 49 31.88	-0.011	13	0.15	56.312	14	46.5	31.84	14	46.5	A0		CO	3995	P*-61 3854
92	7.4	7.5W	34 58.810	-0.0023	07	-63 48 5.56	0.019	07	0.14	58.818	14	46.5	5.62	14	46.5	B9		CO	3996	P -63 2869
93		9.1	35 1.028	0.0011	25	-69 51 35.99	0.017	36	1.61	0.977	53	01.5	36.81	63	01.5			M4	3006	P -69 1900
94	9.3	7.9W	35 15.871	-0.0006	07	-61 29 8.85	0.003	07	0.14	15.874	14	46.5	8.86	14	46.5	K2		CO	3998	P -61 3860
95		6.8T	35 37.339	0.0488	14	-67 24 53.49	-0.208	12	0.70	34.927	21	00.6	42.37	19	96.6	G0		GC	18432	P -67 2325
96	8.6	8.8W	35 52.501	-0.0007	07	-60 43 48.55	0.001	07	0.14	52.504	14	46.5	48.56	14	46.5	B0		CO	3999	P -60 4836
97	8.1	8.4W	36 5.513	-0.0001	07	-60 57 37.59	-0.008	07	0.14	5.514	14	46.5	37.56	14	46.5	A0		CO	4000	P -60 4843
98	9.2	9.4W	36 11.684	-0.0015	07	-63 1 29.92	0.004	07	0.14	11.690	14	46.5	29.93	14	46.5	B5		CO	4001	P -62 3428
99	8.3	8.6W	36 17.432	-0.0005	07	-60 35 52.78	-0.006	07	0.14	17.434	14	46.5	52.76	14	46.5	B9		CO	4002	P -60 4850
00		5.8T	36 39.394	-0.0079	10	-64 19 24.97	-0.018	08	0.36	39.682	14	13.3	24.24	14	09.4	F0		GC	18457	P -63 2896

252400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$.001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 13H DM NUMBER
1	8.8	8.4W	13 36 45.070	-0.0046	07	-60 18 14.60	0.046	07	0.14	45.086	14	46.5	14.76	14	46.5	G0	CD	4003	P -59 5094
2	9.1	9.3W	36 51.246	-0.0033	07	-64 14 4.09	-0.019	07	0.14	51.258	14	46.5	4.02	14	46.5	B8	CD	4004	P -63 2898
3	10.2		36 53.878	0.0017	14	-62 10 11.23	-0.025	14	0.15	53.872	14	46.5	11.14	14	46.5	F0	CD	4005	P -61 3887
4		8.6	37 0.501	-0.0060	25	-69 44 17.39	-0.005	36	1.79	0.828	53	95.4	17.12	63	95.4		M4	3015	P -69 1904
5	8.4	7.6W	37 6.164	-0.0232	06	-60 1 1.37	0.026	06	0.14	6.246	14	46.5	1.46	14	46.5	K0	CD	4006	P -59 5099
6	8.8	8.5W	37 7.083	-0.0070	06	-63 48 57.68	-0.045	06	0.14	7.108	14	46.5	57.52	14	46.5	G0	CD	4007	P -63 2899
7		7.9	37 14.146	0.0011	33	-66 21 51.56	-0.039	43	2.27	14.083	75	93.5	49.34	57	93.5		M3	1727	
8		8.8T	37 23.501	-0.0007	13	-62 37 37.16	-0.009	12	0.63	23.535	21	03.7	36.75	21	01.8	B8	GC	18472	P -62 3452
9	9.5	9.6W	37 37.264	0.0057	14	-61 23 35.97	-0.003	14	0.15	37.244	14	46.5	35.96	14	46.5	B9	CD	4009	P -61 3900
10	9.0	7.3W	37 39.666	-0.0018	08	-62 14 47.44	0.001	08	0.14	39.672	14	46.5	47.44	14	46.5	K2	CD	4010	P -61 3897
11		8.2	37 43.209	0.0020	25	-67 37 47.72	-0.038	36	1.67	43.107	53	99.4	45.78	63	99.4		M4	3017	P -67 2339
12	9.6	8.8W	37 56.477	0.0009	07	-61 10 3.35	0.001	07	0.14	56.474	14	46.5	3.36	14	46.5	F0	CD	4011	P*-60 4870
13	9.2	8.1W	38 0.036	0.0011	06	-61 36 55.21	0.010	06	0.14	0.032	14	46.5	55.24	14	46.5	+++	CD	4013	P -61 3906
14	8.1	8.3W	38 16.412	0.0005	07	-62 58 42.95	0.025	07	0.14	16.410	14	46.5	43.03	14	46.5	B9	CD	4014	P -62 3463
15		9.4T	38 17.586	-0.0415	13	-61 55 12.28	-0.107	12	0.61	19.492	19	04.1	7.16	19	02.0	G5	GC	18468	P -61 3911
16	8.5	8.7W	38 30.346	0.0008	07	-60 44 6.50	0.016	07	0.14	30.344	14	46.5	6.56	14	46.5	B9	CD	4016	P -60 4881
17		8.0	38 39.098	-0.0079	25	-68 59 40.47	-0.010	36	1.47	39.442	53	06.4	40.03	63	06.4		M4	3020	P -68 1981
18	9.9		38 41.533	-0.0048	14	-63 27 42.40	0.010	14	0.15	41.550	14	46.5	42.43	14	46.5	B2	CD	4017	P -63 2915
19	9.5	9.6W	38 45.578	-0.0020	07	-60 3 20.51	-0.015	07	0.14	45.585	14	46.5	20.46	14	46.5	A0	CD	4018	P -59 5121
20	9.6	9.6W	38 50.503	-0.0020	14	-62 33 51.99	0.012	14	0.15	50.510	14	46.5	52.04	14	46.5	B9	CD	4019	P -62 3471
21		6.9T	39 14.069	-0.0018	12	-61 29 9.27	-0.012	09	0.53	14.149	19	05.3	8.69	17	01.0	B5	GC	18513	P -61 3926
22		6.8T	39 17.879	0.0010	13	-61 38 25.21	-0.019	11	0.60	17.855	21	04.9	24.28	18	00.1	K0	GC	18514	P -61 3927
23		6.3	39 20.760	-0.0059	25	-68 52 31.97	-0.015	36	1.52	21.028	53	04.5	31.29	63	04.5		M4	3025	P -68 1984
24		8.7	39 25.629	0.0001	25	-67 12 57.32	-0.020	36	1.76	25.623	53	96.4	56.23	63	96.4		M4	3026	P -66 2297
25	9.4	9.6W	39 44.951	-0.0008	07	-60 57 49.86	0.001	07	0.14	44.954	14	46.5	49.86	14	46.5	B9	CD	4022	P -60 4898
26		7.4T	39 47.734	-0.0025	12	-61 27 26.50	0.001	09	0.54	47.846	19	05.1	26.56	17	01.3	K0	GC	18522	P -61 3933
27	9.7	8.7W	40 14.438	-0.0049	06	-60 11 0.84	-0.052	06	0.14	14.455	14	46.5	0.66	14	46.5	K0	CD	4024	P -59 5142
28	8.5	8.6W	40 32.003	-0.0020	07	-62 41 48.14	-0.003	07	0.14	32.010	14	46.5	48.13	14	46.5	A0	CD	4025	P -62 3508
29	9.5	8.4W	40 34.511	0.0049	07	-61 6 55.20	0.016	07	0.14	34.494	14	46.5	55.26	14	46.5	K0	CD	4026	P -60 4913
30	9.5	9.5W	40 54.559	-0.0009	07	-61 51 27.55	-0.002	07	0.14	54.562	14	46.5	27.54	14	46.5	B5	CD	4027	P -61 3951
31		7.6T	41 37.321	-0.0007	10	-66 30 15.04	-0.018	09	0.51	37.357	18	99.5	14.09	17	97.9	B8	GC	18567	P -66 2309
32	9.2	9.3W	41 44.589	-0.0013	07	-60 34 56.00	-0.010	07	0.14	44.594	14	46.5	55.96	14	46.5	B8	CD	4028	P -60 4931
33	8.1	8.4W	41 49.036	-0.0016	06	-61 39 34.17	-0.007	06	0.14	49.042	14	46.5	34.14	14	46.5	B8	CD	4029	P*-61 3970
34	9.7		41 51.651	-0.0032	13	-61 59 26.71	-0.019	13	0.15	51.662	14	46.5	26.64	14	46.5	A0	CD	4030	P -61 3972
35	8.1	8.4W	42 17.672	-0.0045	14	-63 42 27.34	-0.004	14	0.15	17.688	14	46.5	27.32	14	46.5	B3	CD	4031	P -63 2942
36	9.1	9.4W	42 36.120	0.0000	07	-63 14 23.69	-0.016	07	0.14	36.120	14	46.5	23.63	14	46.5	A0	CD	4032	P -62 3548
37	8.1	8.4W	42 39.516	-0.0040	14	-63 24 48.57	-0.011	14	0.15	39.530	14	46.5	48.53	14	46.5	B9	CD	4033	P -63 2951
38	8.4	8.7W	42 46.156	-0.0041	07	-63 18 45.09	-0.017	07	0.14	46.170	14	46.5	45.03	14	46.5	B9	CD	4035	P -62 3552
39		6.6T	42 48.019	-0.0044	12	-62 12 5.94	-0.010	09	0.55	48.230	19	02.4	5.43	18	97.4	B0	GC	18591	P -61 3987
40	9.0	9.3W	43 0.974	-0.0000	07	-61 5 57.62	-0.017	07	0.14	0.974	14	46.5	57.56	14	46.5	B9	CD	4037	P -60 4948
41	9.7I		43 1.491	0.0004	07	-62 40 24.22	0.004	07	0.14	1.490	14	46.5	24.23	14	46.5	B	CD	4038	P -62 3565
42		6.6T	43 5.588	0.0007	12	-62 39 35.82	-0.015	07	0.51	5.558	21	03.6	35.05	18	97.5	A0	GC	18598	P -62 3570
43		8.3T	43 6.485	-0.0033	13	-61 49 9.10	-0.016	12	0.61	6.638	21	04.2	8.35	19	02.3	F2	GC	18599	P -61 3994
44		9.1	43 7.100	-0.0169	25	-66 30 15.57	-0.069	36	1.70	7.971	53	98.5	12.02	63	98.5		M4	3036	P -66 2314
45	9.9		43 10.776	-0.0027	13	-60 13 0.38	-0.007	13	0.15	10.785	14	46.5	0.36	14	46.5	A0	CD	4041	P -59 5175
46	8.7	8.9W	43 38.537	0.0003	07	-60 26 54.82	-0.017	07	0.14	38.536	14	46.5	54.76	14	46.5	B8	CD	4042	P -60 4961
47	9.5	9.7W	43 39.290	0.0023	12	-61 31 30.41	0.009	12	0.15	39.282	14	46.5	30.44	14	46.5	A0	CD	4043	P -61 4004
48		6.2T	43 40.199	-0.0023	11	-62 20 25.13	-0.016	09	0.52	40.307	18	03.5	24.34	17	99.8	G5P	GC	18610K	P -61 4003
49	8.2	8.6W	43 53.924	-0.0038	07	-64 6 55.76	-0.010	07	0.14	53.938	14	46.5	55.72	14	46.5	B9	CD	4045	P -63 2962
50	8.5	8.8W	43 54.746	0.0013	07	-62 10 59.92	0.007	07	0.14	54.742	14	46.5	59.94	14	46.5	B8	CD	4046	P -61 4009
51	8.9	9.0W	13 44 0.931	-0.0006	07	-61 22 8.31	-0.015	07	0.14	0.934	14	46.5	8.26	14	46.5	A0	CD	4047	P -60 4968
52	9.4	9.6W	44 1.819	0.0020	07	-62 5 36.33	0.004	07	0.14	1.812	14	46.5	36.34	14	46.5	B9	CD	4048	P -61 4015
53	7.4	7.6W	44 22.565	-0.0037	07	-63 36 46.50	0.007	07	0.14	22.578	14	46.5	46.52	14	46.5	B9	CD	4049	P -63 2968
54		8.2	44 23.755	0.0041	33	-67 53 50.80	-0.034	43	2.27	23.521	75	93.4	48.89	57	93.4		M3	1736	
55	8.0	8.4W	44 26.540	-0.0011	07	-60 37 58.37	-0.003	07	0.14	26.544	14	46.5	58.36	14	46.5	B3	CD	4050	P -60 4978
56	8.0	8.3W	44 34.670	-0.0028	07	-63 11 57.42	-0.025	07	0.14	34.680	14	46.5	57.33	14	46.5	B2	CD	4051	P -62 3600
57	9.0	7.8W	44 41.558	0.0012	06	-60 33 35.20	-0.010	06	0.14	41.554	14	46.5	35.16	14	46.5	K2	CD	4052	P, -60 4981
58		8.9	44 43.264	-0.0248	25	-64 50 10.09	0.014	36	1.79	44.618	53	95.4	10.83	63	95.4		M4	3042	P -64 2564
59	9.7		45 25.589	-0.0008	13	-62 20 34.29	-0.012	13	0.15	25.592	14	46.5	34.24	14	46.5	B9	CD	4053	P -61 4035
60		9.2	45 40.449	-0.0029	25	-67 47 27.06	-0.085	36	1.42	40.569	53	08.2	23.52	63	08.2		M4	3043	P -67 2385
61		7.6T	45 43.967	0.0016	16	-61 51 17.07	-0.006	09	0.60	43.900	19	07.4	16.81	18	02.6	G5	GC	18646K	P -61 4041
62		8.4T	45 44.982	0.0012	15	-61 31 6.11	-0.017	12	0.70	44.927	22	02.5	7.01	21	97.8	B8	GC	18647K	P -61 4041
63	9.6	9.3W	45 46.447	-0.0139	07	-60 13 9.45	-0.053	07	0.14	46.495	14	46.5	9.26	14	46.5	F8	CD	4056	P -59 5203
64		7.6T	45 47.704	-0.0014	12	-60 30 15.32	-0.024	09	0.56	47.770	19	03.4	14.05	18	96.5	B9	GC	18650	P -60 4998
65		8.9	45 48.663	-0.0029	25	-66 44 6.49	-0.022	36	1.51	48.698	36	04.0	5.46	53	03.3		M4	3045	P -66 2331
66	7.9	8.2W	45 50.872	-0.0044	07	-63 49 50.36	-0.011	07	0.14	50.888	14	46.5	50.32	14	46.5	A0	CD	4058	P -63 2986
67	8.4	8.7W	46 6.347	-0.0037	07	-62 48 56.17	-0.039	07	0.14	6.360	14	46.5	56.04	14	46.5	A0	CD	4059	P -62 3628
68	9.0	8.9W	46 14.719	-0.0030	07	-63 15 23.68	-0.013	07	0.14	14.730	14	46.5	23.63	14	46.5	A0	CD	4060	P -62 3632
69	9.4	9.6W	46 19.121	0.0039	13	-64 5 45.03	-0.031	13	0.15	19.108	14	46.5	44.92	14	46.5	A0	CD	4061	P -63 2991
70		8.3T	46 26.586	0.0013	12	-62 1 36.87	-0.011	09	0.52	26.582	19	04.6	36.35	17	01.3	B5	GC	18663	P -61 4046
71	8.9	9.4W	46 27.953	-0.0020	07	-62 39 30.04	-0.003	07	0.14	27.960	14	46.5	30.03	14	46.5	A0	CD	4063	P -62 3635
72	8.4	8.6W	46 31.277	-0.0007	07	-62 48 53.27	-0.009	07	0.14	31.280	14	46.5	53.24	14	46.5	B9	CD	4064	P -62 3636
73	9.3	9.6W	46 32.684	0.0007	07	-62 9 41.66	-0.003	07	0.14	32.682	14	46.5	41.64	14	46.5	B8	CD	4065	P -61 4049
74	8.6	8.9W	46 42.407	-0.0035	07	-63 21 48.33	0.001	07	0.14	42.420	14	46.5	48.33	14	46.5	B9	CD	4066	P -62 3640
75	9.8		47 5.378	-0.0034	11	-62 49 43.14	-0.001	11	0.15	5.390	14	46.5	43.13	14	46.5	A0	CD	4068	P -62 3653
76	8.9	9.1W	47 15.852	-0.0022	07	-63 9 19.12	-0.024	07	0.14	15.860	14	46.5	19.03	14	46.5	B9	CD	4069	P -62 3656
77	9.6	9.7W	47 27.567	-0.0008	13	-62 46 40.39	0.014	13	0.15	27.570	14	46.5	40.43	14	46.5	B9	CD	4070	P -62 3662
78	8.7	9.0W	47 38.314	-0.0038	14	-63 38 33.27	0.016	14	0.15	38.328	14	46.5	33.32	14	46.5	B9	CD	4071	P -63 3004
79	8.5	8.7W	47 39.513	-0.0018	07	-63 15 54.86	-0.007	07	0.14	39.520	14	46.5	54.83	14	46.5	B9	CD	4072	P -62 3665
80	8.6	8.4W	47 45.503	0.0021	07	-60 22 54.78	-0.005	07	0.14	45.498	14	46.5	54.76	14	46.5	F0	CD	4073	P -60 5031
81		5.7T	47 52.239	0.0018	07	-69 9 15.09	-0.012	07	0.30	52.167	12	10.0	14.58	12	07.2	K2	GC	18696	P -68 2014
82		8.4	47 53.519	0.0001	25	-65 31 32.52	-0.009	36	1.54	53.514	53	03.8	32.09	63	03.8		M4	3053	P -65 2488
83	9.2	9.2W	47 59.277	0.0011	07	-60 51 38.78	-0.007	07	0.14	59.274	14	46.5	38.76	14	46.5	B9	CD	4074	P -60 5033
84		8.9	48 28.158	-0.0109	25	-65 46 10.98	-0.062	36	1.74	28.733	53	97.2	7.70	63	97.2		M4	3057	P -65 2495
85	9.9	9.4W	48 43.083	-0.0058	07	-60 37 28.29	-0.008	07	0.14	43.104	14	46.5	28.26	14	46.5	G0	CD	4075	P -60 5047
86	7.8	8.1W	48 48.449	-0.0060	11	-62 31 41.41	0.008	11	0.15	48.470	14	46.5	41.44	14	46.5	B8	CD	4076	P -62 3688
87	8.1	8.5W	48 50.476	-0.0039	07	-63 23 26.08	-0.012	07	0.14	50.490	14	46.5	26.03	14	46.5	B9	CD	4077	P -63 3017
88		7.8T	48 57.453	-0.0027	18	-63 6 34.21	-0.013	09	0.68	57.571	22	06.7	33.57	19	99.0	B9	GC	18727	P -62 3690
89	8.9	8.6W	48 57.562	-0.0027	06	-61 34 43.18	-0.095	06	0.14	57.572	14	46.5	42.84	14	46.5	F5	CD	4078	P -61 4088
90		8.3T	48 59.034	-0.0004	12	-63 8 58.82	-0.017	08	0.50	59.053	18	07.7	57.97	17	99.0	B9	GC	18729	P -62 3691
91		7.1T	49 0.563	-0.0050	14	-69 48 3.11	-0.016	12	0.67	0.801	21	02.8	2.29	19	98.5	A0	GC	18730	P -69 1945
92	9.6	9.8W	49 3.103	-0.0027	08	-62 21 52.76	-0.006	08	0.14	3.112	14	46.5	52.74	14	46.5	B8	CD	4081	P -61 4089
93	10.0	9.6W	49 4.362	0.0001	07	-62 8 7.50	-0.016	07	0.14	4.362	14	46.5	7.45	14	46.5	F5	CD	4082	P*-61 4091
94	8.9	8.8W	49 5.386	-0.0011	07	-63 0 21.58	0.015	07	0.14	5.390	14	46.5	21.64	14	46.5	B9	CD	4083	P -62 3695
95	7.7	7.8W	49 22.610	-0.0005	06	-62 28 27.10	-0.017	06	0.14	22.612	14	46.5	27.04	14	46.5	B0	CD	4084	P -62 3703
96	9.1	8.2W	49 29.774	-0.0074	14	-62 38 30.61	0.006	14	0.15	29.800	14	46.5	30.63	14	46.5	G5	CD	4085	P -62 3705
97	7.9	8.0W	49 32.143	-0.0000	07	-61 6 32.65	0.004	07	0.14	32.144	14	46.5	32.66	14	46.5	B8	CD	4086	P -60 5056
98		7.2T	49 32.987	-0.0011	13	-66 15 58.75	-0.015	11	0.61	33.036	21	03.9	58.02	18	02.0	B3	GC	18739	P -65 2503
99	9.8	8.6W	49 36.940	-0.0022	07	-63 37 27.89	-0.020	07	0.14	36.948	14	46.5	27.82	14	46.5	K0	CD	4087	P -63 3026
00		7.9T	49 55.292	0.0007	13	-61 22 58.85	0.005	12	0.61	55.261	21	04.6	59.10	19	02.4	K2	GC	18748	P -61 4102

252500

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 13H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1		9.1	13 49 56.087	0.0030	25	-68 42 47.16	-0.063	36	1.58	55.943	53	02.5	44.14	63	02.5			M4	3060	P -68 2026
2	8.7	9.0W	49 56.364	-0.0039	07	-63 34 5.28	-0.016	07	0.14	56.378	14	46.5	5.22	14	46.5	B9		CO	4089	P -63 3030
3	8.8	9.1W	50 1.677	-0.0019	07	-61 24 25.27	-0.002	07	0.14	1.684	14	46.5	25.26	14	46.5	B9		CO	4090	P -61 4105
4	9.1	9.3W	50 9.560	-0.0029	07	-63 15 21.61	0.005	07	0.14	9.570	14	46.5	21.63	14	46.5	B3		CO	4091	P -62 3725
5		7.9T	50 10.953	-0.0033	13	-68 15 34.24	-0.006	12	0.68	11.114	22	00.6	33.95	21	96.9	B9		GC	18753	P -67 2417
6	8.5	8.4W	50 20.064	-0.0056	06	-60 46 50.97	-0.030	06	0.14	20.084	14	46.5	50.86	14	46.5	F0		CO	4092	P -60 5062
7		8.3T	50 41.842	-0.0083	13	-67 59 29.25	-0.041	11	0.69	42.276	26	97.5	27.12	19	97.5	A3		GC	18762	P -67 2423
8		8.5	50 47.496	-0.0278	25	-65 25 30.74	-0.151	36	1.79	49.014	53	95.4	22.47	63	95.4			M4	3065	P -65 2519
9		8.0T	50 50.132	-0.0059	12	-66 39 20.68	-0.033	11	0.62	50.418	21	01.6	18.93	19	97.5	B9		GC	18767K	P -66 2370
10		9.7T	50 53.170	-0.0047	15	-66 39 4.25	-0.028	17	0.77	53.388	24	03.7	2.94	24	04.0	A0		GC	18768K	P -66 2371
11		5.7T	50 59.039	-0.0044	10	-67 24 24.13	-0.034	08	0.37	59.204	14	12.6	22.74	14	09.3	K0		GC	18771	P -67 2426
12	7.9	8.2W	51 4.586	-0.0028	06	-60 5 49.48	-0.027	06	0.14	4.596	14	46.5	49.36	14	46.5	A0		CO	4093	P -59 5275
13	8.5	8.7W	51 7.251	-0.0025	07	-62 39 29.03	0.002	07	0.14	7.260	14	46.5	29.04	14	46.5	B8		CO	4094	P -62 3738
14	9.5	9.6W	51 8.537	-0.0013	07	-61 40 53.29	-0.012	07	0.14	8.542	14	46.5	53.24	14	46.5	B9		CO	4095	P -61 4139
15		7.5T	51 12.211	-0.0017	14	-61 5 20.83	-0.014	09	0.57	12.288	17	05.1	20.15	14	00.1	B9		GC	18777	P -60 5071
16		8.5	51 15.123	0.0051	25	-68 38 11.99	0.009	36	1.76	14.852	53	96.5	12.45	63	96.5			M4	3068	P -68 2027
17	9.8	8.6W	51 19.104	-0.0028	06	-61 3 17.24	-0.023	06	0.14	19.114	14	46.5	17.16	14	46.5	K0		CO	4098	P -60 5074
18	9.9	9.5W	51 19.966	-0.0023	09	-60 39 11.83	0.009	09	0.14	19.974	14	46.5	11.86	14	46.5	A0		CO	4099	P -60 5076
19	8.7	8.6W	51 43.501	-0.0060	14	-61 59 7.45	-0.002	14	0.15	43.522	14	46.5	7.44	14	46.5	A2		CO	4100	P*-61 4156
20	9.5	9.4W	52 1.704	0.0006	07	-61 44 18.57	-0.006	07	0.14	1.702	14	46.5	18.54	14	46.5	A2		CO	4101	P*-61 4164
21		7.4T	52 4.695	-0.0103	13	-66 8 29.36	-0.060	11	0.60	5.186	18	02.2	26.39	18	00.5	G5		GC	18797	P -65 2526
22		8.1T	52 9.946	-0.0058	13	-62 6 49.91	0.007	12	0.69	10.239	22	99.8	50.29	21	97.4	G5		GC	18801	P -61 4169
23		9.2T	52 14.539	-0.0036	16	-62 7 55.98	0.010	13	0.66	14.692	19	07.9	56.44	19	05.5	A0		GC	18803	P -61 4171
24	8.9	9.1W	52 21.729	0.0015	07	-61 15 32.00	-0.013	07	0.14	21.724	14	46.5	31.96	14	46.5	B8		CO	4104	P -60 5093
25		7.7T	52 27.081	0.0027	16	-63 38 49.27	-0.023	12	0.69	26.958	21	04.9	48.14	19	00.8	A0		GC	18810	P -63 3053
26	9.9	8.2W	52 40.544	-0.0044	07	-63 19 14.20	-0.018	07	0.14	40.560	14	46.5	14.13	14	46.5	MA		CO	4106	P -62 3755
27	8.6	8.3W	52 42.556	0.0035	06	-60 58 18.06	-0.028	06	0.14	42.544	14	46.5	17.96	14	46.5	F8		CO	4107	P -60 5096
28	8.8	8.9W	53 32.683	-0.0008	07	-60 28 20.50	-0.012	07	0.14	32.686	14	46.5	20.46	14	46.5	B9		CO	4109	P -60 5105
29		7.2T	53 36.820	-0.0014	14	-67 45 43.89	-0.035	12	0.69	36.887	22	01.3	42.07	21	97.2	K5		GC	18833	P -67 2438
30		6.7T	53 46.889	-0.0156	12	-62 14 39.29	-0.073	10	0.51	47.564	18	06.8	36.04	17	05.4	G0		GC	18837	P -61 4194
31		4.7M	54 0.395	-0.0051	03	-63 26 33.18	-0.032	03	0.12	0.554	06	18.5	32.20	06	19.9	K0		F4	514	P -63 3070
32	9.0	9.1W	54 2.177	-0.0030	07	-63 58 30.74	-0.004	07	0.14	2.188	14	46.5	30.72	14	46.5	B9		CO	4112	P -63 3069
33	9.9	10.0W	54 21.735	-0.0070	14	-62 43 14.23	0.029	14	0.15	21.760	14	46.5	14.34	14	46.5	B8		CO	4113	P -62 3779
34		6.2T	54 45.730	-0.0045	12	-65 33 24.97	-0.042	09	0.56	45.945	21	01.9	22.80	18	98.7	K0		GC	18861K	P*-65 2553
35	9.7	9.9W	55 5.713	0.0008	06	-63 6 19.45	-0.004	06	0.14	5.710	14	46.5	19.43	14	46.5	B8		CO	4114	P -62 3789
36	8.4	8.6W	55 5.864	-0.0022	07	-62 28 31.94	-0.028	07	0.14	5.872	14	46.5	31.84	14	46.5	A0		CO	4115	P -62 3790
37		9.3	55 8.167	-0.0069	33	-69 20 2.23	-0.001	43	2.27	8.563	63	92.4	2.18	45	92.4			M3	1758	
38		7.7T	55 27.686	-0.0007	12	-67 35 52.28	-0.012	11	0.66	27.720	22	99.2	51.64	19	95.5	B8		GC	18880	P -67 2447
39	8.7	8.6W	55 29.946	-0.0023	07	-61 21 58.17	-0.032	07	0.14	29.954	14	46.5	58.06	14	46.5	A5		CO	4116	P -61 4222
40	8.3	8.5W	55 43.856	-0.0046	06	-62 13 3.41	-0.018	06	0.14	43.872	14	46.5	3.34	14	46.5	B9		CO	4117	P*-61 4224
41		8.1T	55 46.958	0.0009	13	-67 36 16.02	0.010	13	0.68	46.913	19	01.8	16.52	19	01.0	K2		GC	18890	P -67 2449
42	7.9	8.0W	55 58.428	0.0006	07	-60 19 26.77	-0.032	07	0.14	58.426	14	46.5	26.66	14	46.5	A0		CO	4118	P -59 5324
43	9.0	9.2W	56 1.847	0.0015	13	-61 43 3.79	-0.014	13	0.15	1.842	14	46.5	3.74	14	46.5	B8		CO	4119	P -61 4232
44	8.8	7.9W	56 3.666	0.0008	06	-61 28 51.08	-0.007	06	0.14	3.664	14	46.5	51.06	14	46.5	K0		CO	4120	P -61 4234
45		8.3T	56 7.069	-0.0014	17	-61 8 18.83	-0.014	13	0.69	7.129	21	07.4	18.19	19	03.6	A2		GC	18896	P -60 5131
46		7.7T	56 13.100	-0.0058	14	-65 17 58.85	-0.019	12	0.66	13.375	19	02.8	57.84	18	98.7	A0		GC	18898	P -64 2663
47		7.9	56 24.463	-0.0029	33	-67 15 52.78	-0.077	43	2.27	24.627	75	93.4	48.40	57	93.4			M3	1760	
48	9.9	9.9W	56 26.906	-0.0038	12	-62 38 49.85	0.023	12	0.15	26.920	14	46.5	49.93	14	46.5	A0		CO	4122	P -62 3806
49		7.6T	56 27.981	-0.0029	14	-62 32 22.59	0.007	11	0.64	28.118	21	03.6	22.96	19	00.0	B9		GC	18905	P -62 3807
50	9.0	9.0W	56 30.971	-0.0014	06	-60 11 36.93	-0.019	06	0.14	30.975	14	46.5	36.86	14	46.5	A0		CO	4124	P -59 5331
51		9.8T	13 56 32.028	-0.0099	18	-62 32 27.13	-0.025	16	0.83	32.481	24	04.5	25.96	22	02.6	A7		GC	18906	P -62 3809
52		6.5T	56 43.595	-0.0091	12	-61 14 19.10	-0.045	08	0.56	44.026	19	02.7	16.64	17	95.0	F2		GC	18909	P -60 5135
53		9.2T	56 53.905	-0.0010	12	-61 33 9.35	-0.009	11	0.55	53.949	18	07.5	8.91	19	03.8	B8		GC	18913	P -64 2667
54		6.1T	57 4.613	-0.0210	15	-66 1 36.18	-0.022	10	0.63	5.561	22	04.8	35.05	19	99.1	A5		GC	18914K	P -65 2573
55	9.7	8.8W	57 5.948	-0.0041	05	-62 23 29.97	-0.006	05	0.14	5.962	14	46.5	29.94	14	46.5	K0		CO	4127	P -62 3824
56	8.8	7.3W	57 50.430	0.0001	06	-62 42 33.51	0.006	06	0.14	50.430	14	46.5	33.53	14	46.5	K0		CO	4128	P -62 3839
57		7.4T	58 2.903	0.0016	16	-61 35 38.10	-0.011	12	0.65	2.835	19	06.6	37.61	18	04.0	K2		GC	18931	P -61 4270
58		8.3	58 4.076	0.0031	25	-68 47 59.91	-0.055	36	1.61	3.926	53	01.5	57.24	63	01.5			M4	3087	P -68 2062
59	8.3	8.6W	58 11.106	0.0006	07	-61 3 45.59	-0.008	07	0.14	11.104	14	46.5	45.56	14	46.5	B	O	CO	4130	P -60 5146
60	9.3	9.4W	58 11.522	-0.0017	07	-63 59 18.36	-0.010	07	0.14	11.528	14	46.5	18.32	14	46.5	B8		CO	4131	P -63 3093
61	9.5	9.3W	58 12.805	0.0003	07	-61 4 16.65	-0.027	07	0.14	12.804	14	46.5	16.56	14	46.5	F0	O	CO	4132	P -60 5147
62		8.8	58 15.484	-0.0089	25	-66 56 22.61	-0.106	36	1.70	15.943	53	98.5	17.14	63	98.5			M4	3068	P -66 2406
63	8.8	8.0W	58 20.463	-0.0110	07	-61 55 51.63	-0.053	07	0.14	20.502	14	46.5	51.44	14	46.5	K0		CO	4133	P -61 4274
64	9.6	8.8W	58 22.048	-0.0062	07	-62 42 52.14	-0.002	07	0.14	22.070	14	46.5	52.13	14	46.5	G5		CO	4134	P -62 3847
65	7.9	8.1W	58 22.100	-0.0009	07	-60 33 6.71	-0.014	07	0.14	22.104	14	46.5	6.66	14	46.5	B8		CO	4135	P -60 5151
66	7.3	7.2W	58 22.296	-0.0054	05	-60 0 58.50	-0.010	05	0.14	22.315	14	46.5	58.46	14	46.5	F0		CO	4393	P -59 5345
67		8.1	58 24.458	-0.0419	25	-69 20 59.19	-0.079	36	1.67	26.576	53	99.4	55.20	63	99.4			M4	3089	P -68 2064
68	9.1	9.2W	58 27.524	-0.0016	07	-63 12 52.96	-0.008	07	0.14	27.530	14	46.5	52.93	14	46.5	B9		CO	4137	P -62 3848
69	9.9	9.8W	58 28.758	-0.0017	09	-60 33 2.30	-0.012	09	0.14	28.764	14	46.5	2.26	14	46.5	B8		CO	4138	P -60 5153
70		7.5T	58 29.155	-0.0039	13	-67 17 39.94	-0.039	13	0.70	29.345	22	01.3	37.90	21	98.3	K0		GC	18938	P -66 2408
71	8.3	8.5W	58 34.634	0.0007	07	-61 43 0.56	-0.003	07	0.14	34.632	14	46.5	0.54	14	46.5	B9		CO	4139	P -61 4276
72		8.5	59 1.757	-0.0029	25	-68 58 37.25	-0.081	36	1.78	1.915	53	95.5	32.84	63	95.5			M4	3091	P -68 2066
73	8.9	8.5W	59 9.841	0.0004	07	-63 19 37.71	-0.023	07	0.14	9.840	14	46.5	37.64	14	46.5	G0		CO	4140	P -62 3856
74		8.4T	59 23.135	-0.0053	17	-60 6 17.68	-0.047	14	0.70	23.359	21	07.7	15.65	21	06.5	F8		GC	18950	P -59 5354
75	9.1	9.0W	59 25.568	0.0001	07	-63 35 46.67	0.013	07	0.14	25.568	14	46.5	46.72	14	46.5	A0		CO	4142	P -63 3099
76	8.6	8.1W	59 30.897	0.0005	06	-60 15 45.14	0.005	06	0.14	30.896	14	46.5	45.16	14	46.5	G5		CO	4144	P -59 5359
77		8.1	59 46.603	-0.0029	25	-66 29 44.80	-0.082	36	1.76	46.757	53	96.5	40.41	63	96.5			M4	3093	P -66 2419
78	9.6	9.3W	59 51.849	-0.0025	07	-63 36 16.66	-0.012	07	0.14	51.858	14	46.5	16.62	14	46.5	F5		CO	4145	P -63 3102
79	10.7		14 0 9.616	-0.0046	14	-62 22 57.24	-0.029	14	0.15	9.632	14	46.5	57.34	14	46.5	A0	O	CO	4146	P -62 3871
80	8.8	8.8W	0 13.404	0.0005	07	-62 4 19.35	-0.001	07	0.14	13.402	14	46.5	19.35	14	46.5	B	O	CO	4147	P -61 4292
81	9.5		0 15.622	0.0001	07	-62 4 52.17	-0.007	07	0.14	15.622	14	46.5	52.14	14	46.5	A	O	CO	4148	P -61 4296
82		0.9H	0 16.510	-0.0027	01	-60 7 58.09	-0.023	02	0.07	16.635	04	04.3	57.10	04	07.7	B1		F4	518	P -59 5365
83	10.0	9.8W	0 18.189	-0.0036	09	-62 5 30.86	-0.004	09	0.14	18.202	14	46.5	30.84	14	46.5	F	O	CO	4150	P -61 4299
84		7.9	0 32.854	-0.0038	25	-65 10 34.56	-0.020	36	1.85	33.062	63	94.4	33.46	75	94.4			M4	3098	P -64 2697
85	9.1	9.3W	0 34.874	-0.0005	07	-60 28 5.90	-0.012	07	0.14	34.876	14	46.5	5.86	14	46.5	B8		CO	4151	P -60 5167
86		7.7T	0 39.378	-0.0020	13	-69 37 58.86	-0.032	12	0.65	39.477	19	01.3	57.21	19	98.2	F2		GC	18979	P -69 1992
87	9.8	9.8W	1 21.025	0.0005	07	-61 8 22.37	-0.031	07	0.14	21.024	14	46.5	22.26	14	46.5	B9		CO	4152	P -60 5174
88	10.0	9.3W	1 25.962	-0.0102	13	-64 6 45.60	-0.050	13	0.15	26.018	14	46.5	45.42	14	46.5	G5		CO	4153	P -63 3112
89	9.8	9.8W	1 26.963	-0.0041	11	-63 31 33.78	0.011	11	0.15	26.978	14	46.5	33.82	14	46.5	B9	O	CO	4154	P -63 3113
90	9.3	9.2W	1 42.758	-0.0010	06	-62 16 6.06	-0.004	06	0.14	42.762	14	46.5	6.04	14	46.5	B0		CO	4155	P -61 4317
91	8.6	8.9W	1 56.307	-0.0008	07	-62 54 58.72	0.034	07	0.14	56.310	14	46.5	58.83	14	46.5	B8		CO	4157	P -62 3895
92	10.0	10.0W	2 11.679	-0.0048	13	-60 13 16.51	-0.015	13	0.15	11.696	14	46.5	16.46	14	46.5	A2		CO	4158	P -59 5385
93	9.3	7.6W	2 13.181	-0.0003	06	-61 41 39.36	-0.003	06	0.14	13.182	14	46.5	39.35	14	46.5	MA		CO	4159	P -61 4321
94	9.8	9.8W	2 18.237	0.0009	09	-61 29 40.00	-0.011	09	0.14	18.234	14	46.5	39.96	14	46.5	B9		CO	4160	P -61 4322
95	8.7	8.9W	2 29.965	-0.0025	07	-61 16 32.64	0.006	07	0.14	29.974	14	46.5	32.66	14	46.5	B8		CO	4161	P -60 5182
96	9.9	9.9W	2 47.031	0.0022	12	-60 43 8.63	0.008	12	0.15	47.024	14	46.5	8.66	14	46.5	A0		CO	4162	P -60 5188
97	9.5	8.9W	3 6.576	-0.0016	07	-62 24 45.21	0.011	07	0.14	6.582	14	46.5	45.24	14	46.5	F8		CO	4163	P -62 3916
98		7.2T	3 7.797	-0.0015	10	-62 8 9.62	-0.005	09	0.50	7.869	18	02.9	9.38	17	98.0	M0		GC	19022	P -61 4332
99		6.8T	3 22.234	0.0015	09	-63 12 26.21	-0.008	09	0.52	22.156	19	96.5	25.78	17	93.5	+++		GC	19024K	P*-62 3920
00		9.0T	3 26.351	-0.0025	12	-62 2 20.11	-0.004	11	0.55	26.462	19	06.2	19.94	19	04.3	A2		GC	19026	P -61 4334

252600 | EPOCH 1950 | ORIGINAL EPOCH | SOURCE | -60° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1	8.9	9.1W	14 3 30.120	0.0008	07	-63 51 29.27	-0.013	07	0.14	30.118	14	46.5	29.22	14	46.5	B9	CD	4167	P -63 3132
2	8.8	8.9W	3 36.490	-0.0027	07	-63 11 50.96	-0.008	07	0.14	36.500	14	46.5	50.94	14	46.5	B9	CD	4168	P -62 3922
3	9.1	8.9W	3 44.438	-0.0026	07	-64 13 52.95	-0.007	07	0.14	44.448	14	46.5	52.92	14	46.5	B0	CD	4169	P -63 3134
4	9.8	10.0W	3 48.100	0.0048	13	-61 7 0.22	-0.018	13	0.15	48.084	14	46.5	0.16	14	46.5	B8	CD	4170	P -60 5197
5		8.2T	3 50.752	-0.0002	16	-60 13 59.12	-0.016	12	0.61	50.759	19	10.1	58.49	19	09.8	B0	GC	19037	P -59 5404
6	8.0	7.9W	3 52.087	-0.0075	06	-61 19 27.17	-0.032	06	0.14	52.114	14	46.5	27.06	14	46.5	F2	CD	4172	P -60 5198
7	9.9	10.0W	3 52.864	-0.0004	12	-60 7 59.28	-0.006	12	0.15	52.866	14	46.5	59.26	14	46.5	A0	CD	4173	P -59 5405
8	9.8	9.8W	4 0.052	0.0000	14	-61 39 38.00	-0.015	14	0.15	0.052	14	46.5	37.94	14	46.5	A0	CD	4174	P -61 4345
9		8.8	4 9.466	-0.0049	25	-66 49 19.99	-0.008	36	1.68	9.715	53	99.2	19.56	63	99.2		M4	3104	P -66 2451
10		8.4	4 16.712	-0.0058	25	-64 18 11.80	-0.067	36	1.79	17.027	53	99.5	8.15	63	99.5		M4	3106	P -63 3136
11	7.8	8.1W	4 18.946	0.0008	06	-61 16 16.95	0.004	06	0.14	18.944	14	46.5	16.96	14	46.5	B8	CD	4175	P* -60 5199
12	9.9	9.8W	4 22.850	-0.0009	07	-60 57 54.86	-0.000	07	0.14	22.854	14	46.5	54.86	14	46.5	B9	CD	4176	P -60 5200
13		8.0T	4 24.445	-0.0008	12	-60 32 17.29	0.005	10	0.50	24.479	19	07.3	17.52	18	06.9	B8	GC	19052	P* -60 5201
14		9.0T	4 28.904	0.0087	14	-63 2 36.64	-0.190	12	0.64	28.500	19	03.4	27.58	18	02.2	G0	GC	19055	P -62 3940
15	10.1	9.5W	4 30.697	-0.0070	07	-62 2 9.40	-0.015	07	0.14	30.722	14	46.5	9.34	14	46.5	G0	CD	4179	P -61 4354
16		6.5T	4 31.301	0.0013	10	-62 58 16.70	0.029	07	0.39	31.249	14	08.6	18.04	12	04.4	K0	GC	19057	P -62 3941
17	8.3	8.5W	4 42.093	0.0009	07	-62 37 34.44	-0.003	07	0.14	42.090	14	46.5	34.43	14	46.5	B9	CD	4181	P -62 3946
18		9.0T	4 42.387	0.0002	20	-60 17 13.24	-0.012	17	0.87	42.377	24	05.5	12.69	22	03.0	K5	GC	19062	P* -59 5413
19	9.0	9.0W	4 54.129	0.0004	13	-63 57 12.14	0.023	13	0.15	54.128	14	46.5	12.22	14	46.5	B8	CD	4183	P -63 3141
20		7.6	4 55.559	-0.0129	25	-67 54 12.45	-0.030	36	1.81	56.272	53	94.5	10.81	63	94.5		M4	3107	P -67 2503
21	9.9	9.8W	4 56.054	0.0018	12	-64 8 16.94	-0.005	12	0.15	56.048	14	46.5	16.92	14	46.5	B8	CD	4184	P -63 3142
22	9.1	9.3W	4 59.026	-0.0004	07	-63 10 43.75	-0.004	07	0.14	59.030	14	46.5	43.73	14	46.5	B9	CD	4185	P -62 3949
23	8.9	8.9W	5 25.141	0.0003	14	-62 49 55.00	0.038	14	0.15	25.140	14	46.5	55.13	14	46.5	B8	CD	4186	P -62 3954
24		9.1T	5 26.779	-0.0006	16	-60 18 13.58	-0.043	12	0.61	26.803	22	09.4	11.78	18	08.0	A3	GC	19075	P* -59 5422
25		8.9	5 27.789	0.0051	25	-66 52 15.98	-0.034	36	1.78	27.511	53	95.5	14.10	63	95.5		M4	3108	P -66 2458
26		9.1	5 31.626	-0.0069	25	-65 35 2.63	-0.072	36	1.61	31.959	53	01.5	-59.13	63	01.5		M4	3109	P -65 2619
27	9.5	9.3W	5 42.678	-0.0006	07	-62 36 2.62	-0.024	07	0.14	42.680	14	46.5	2.53	14	46.5	B8	CD	4188	P -62 3962
28		8.8	6 3.635	0.0051	25	-67 46 30.18	-0.059	36	1.64	3.382	53	00.5	27.28	63	00.5		M4	3111	P -67 2510
29		8.2T	6 8.032	0.0004	11	-60 20 43.79	-0.040	09	0.49	8.013	18	05.0	41.91	17	02.6	A2	GC	19087	P -59 5431
30	9.6	8.5W	6 17.398	-0.0062	07	-62 33 45.12	-0.024	07	0.14	17.420	14	46.5	45.03	14	46.5	K2	CD	4190	P -62 3967
31		9.2T	6 19.741	-0.0036	26	-60 28 11.15	-0.049	20	1.03	19.895	24	06.8	8.96	24	05.1	K5	GC	19091	P -60 5212
32	10.3	9.8W	6 27.139	-0.0642	13	-61 16 36.21	-0.643	13	0.15	27.364	14	46.5	33.96	14	46.5	G5	CD	4192	P -60 5215
33	9.0	9.3W	6 33.138	-0.0011	07	-62 8 31.60	-0.015	07	0.14	33.142	14	46.5	31.55	14	46.5	B8	CD	4193	P -61 4376
34	9.1	9.3W	6 34.218	-0.0006	07	-63 21 56.82	0.005	07	0.14	34.220	14	46.5	56.83	14	46.5	B8	CD	4194	P -63 3151
35	9.1	9.4W	6 49.940	-0.0009	07	-61 1 48.78	-0.004	07	0.14	49.944	14	46.5	48.76	14	46.5	B8	CD	4195	P -60 5216
36		6.2T	6 52.637	-0.0048	09	-69 29 1.28	-0.033	09	0.54	52.898	19	95.5	-59.41	18	93.3	A3	GC	19101	P -69 2014
37	9.4	9.7W	6 55.062	-0.0003	07	-60 38 13.25	-0.025	07	0.14	55.064	14	46.5	13.16	14	46.5	A0	CD	4196	P -60 5218
38	7.5	7.7W	7 2.214	0.0007	06	-62 14 35.72	0.005	06	0.14	2.212	14	46.5	35.74	14	46.5	B5	CD	4197	P -61 4362
39	9.0	8.0W	7 7.142	-0.0052	07	-62 48 26.89	0.041	07	0.14	7.160	14	46.5	27.04	14	46.5	K0	CD	4198	P -62 3974
40	9.4	9.2W	7 8.862	0.0028	06	-62 11 35.74	-0.000	06	0.14	8.852	14	46.5	35.74	14	46.5	A2	O CD	4199	P -61 4386
41	10.0	9.6W	7 23.321	-0.0121	12	-61 11 19.34	-0.079	12	0.15	23.364	14	46.5	19.06	14	46.5	G5	CD	4201	P -60 5222
42	8.9	9.0W	7 28.165	-0.0013	07	-62 53 23.39	0.012	07	0.14	28.170	14	46.5	23.43	14	46.5	B9	CD	4202	P -62 3978
43	9.7	9.8W	7 29.802	0.0025	07	-61 23 11.63	0.007	07	0.14	29.794	14	46.5	11.66	14	46.5	A0	CD	4203	P -61 4392
44		7.8T	8 6.946	-0.0027	15	-61 47 29.80	-0.019	11	0.63	7.066	21	06.1	28.89	19	01.3	B9	GC	19126	P -61 4403
45		8.6	8 29.551	-0.0089	25	-65 46 21.38	-0.078	36	1.74	30.030	45	96.0	17.16	53	96.0		M4	3119	P -65 2639
46	9.4	9.4W	8 49.466	-0.0027	06	-60 9 45.95	-0.026	06	0.14	49.476	14	46.5	45.86	14	46.5	A0	CD	4206	P -59 5451
47	8.6	9.0W	9 4.412	0.0007	07	-63 16 50.83	0.002	07	0.14	4.410	14	46.5	50.83	14	46.5	B9	CD	4206	P -62 3990
48	9.8	8.8W	9 7.017	0.0026	07	-63 55 34.23	0.024	07	0.14	7.008	14	46.5	34.32	14	46.5	G5	CD	4207	P -63 3164
49	9.5	9.7W	9 8.373	-0.0002	07	-61 4 14.44	0.006	07	0.14	8.374	14	46.5	14.46	14	46.5	B9	CD	4208	P -60 5233
50		8.1T	9 23.261	-0.0036	12	-63 45 6.86	-0.011	11	0.56	23.415	19	06.9	6.35	19	03.5	F0	GC	19151	P -63 3166
51	8.7	8.7W	14 9 57.613	-0.0025	06	-62 15 34.14	-0.026	06	0.14	57.622	14	46.5	34.04	14	46.5	A0	CD	4210	P -61 4418
52		7.5T	10 1.879	-0.0013	12	-67 57 24.83	-0.009	11	0.64	1.945	22	98.0	24.36	21	94.5	A0	GC	19165	P -67 2525
53	9.7	8.9W	10 4.315	0.0005	07	-61 14 5.03	0.009	07	0.14	4.314	14	46.5	5.06	14	46.5	G5	CD	4211	P -60 5239
54	9.1	8.9W	10 10.017	-0.0046	07	-60 41 51.92	-0.047	07	0.14	10.034	14	46.5	51.76	14	46.5	A0	CD	4212	P -60 5241
55	9.8	9.7W	10 19.862	-0.0005	07	-60 41 19.81	-0.013	07	0.14	19.864	14	46.5	19.76	14	46.5	A2	CD	4213	P -60 5242
56	9.3	8.3W	10 20.150	-0.0062	06	-61 59 53.80	0.012	06	0.14	20.172	14	46.5	53.84	14	46.5	K0	CD	4214	P -61 4421
57	8.4	8.6W	10 22.274	-0.0012	07	-63 58 2.97	-0.015	07	0.14	22.278	14	46.5	2.92	14	46.5	B8	CD	4215	P -63 3176
58	9.6	10.0W	10 28.377	0.0003	13	-60 24 52.17	-0.003	13	0.15	28.376	14	46.5	52.16	14	46.5	A0	CD	4216	P -60 5244
59	9.8	9.9W	10 29.587	-0.0002	06	-63 58 14.45	-0.009	06	0.14	29.588	14	46.5	14.42	14	46.5	B8	O CD	4217	P -63 3178
60		7.2T	10 39.151	0.0005	12	-65 55 15.94	-0.011	11	0.56	39.127	19	04.1	15.40	19	01.6	B5	GC	19177	P -65 2652
61		6.8T	10 45.284	-0.0053	13	-65 28 6.49	-0.033	10	0.61	45.533	21	03.3	4.71	19	96.5	B5	GC	19180	P -65 2655
62	9.6	9.5W	10 52.160	0.0024	07	-61 33 56.76	-0.006	07	0.14	52.152	14	46.5	56.74	14	46.5	B8	CD	4218	P -61 4427
63		8.0	11 11.863	-0.0029	25	-67 25 33.59	-0.076	36	1.42	11.987	45	07.0	30.31	53	07.0		M4	3132	P -67 2534
64	9.6	9.5W	11 16.678	0.0040	11	-61 0 19.75	0.003	11	0.15	16.664	14	46.5	19.76	14	46.5	B2	CD	4219	P -60 5248
65		6.5T	11 20.098	0.0003	11	-61 28 26.64	-0.015	09	0.50	20.085	18	05.7	25.93	17	01.8	QE5	GC	19194K	P* -61 4431
66	9.4	8.3W	11 20.860	-0.0051	06	-63 40 1.24	-0.033	06	0.14	20.878	14	46.5	1.12	14	46.5	K2	CD	4221	P -63 3183
67	8.6	8.6W	11 23.900	0.0018	06	-61 25 13.15	0.004	06	0.14	23.894	14	46.5	13.16	14	46.5	B8	CD	4222	P -61 4433
68		7.1T	11 26.046	0.0035	13	-61 41 5.24	-0.013	10	0.57	25.889	19	04.6	4.63	17	02.1	K5	GC	19198	P -61 4434
69	8.2	8.4W	11 30.045	0.0005	07	-60 52 43.35	-0.024	07	0.14	30.044	14	46.5	43.26	14	46.5	A0	CD	4224	P -60 5251
70	9.9	8.5W	11 30.817	-0.0009	07	-63 29 31.08	-0.013	07	0.14	30.820	14	46.5	31.03	14	46.5	K0	CD	4225	P -63 3186
71	9.3	9.6W	11 43.503	0.0026	07	-61 16 2.96	0.001	07	0.14	43.494	14	46.5	2.96	14	46.5	A0	CD	4226	P -60 5254
72		7.4T	11 52.248	0.0008	13	-62 52 53.81	-0.004	11	0.61	52.213	21	03.7	53.64	19	03.1	K0	GC	19212	P -62 4016
73	8.9	8.6W	11 53.625	0.0072	07	-62 49 12.08	-0.012	07	0.14	53.600	14	46.5	12.03	14	46.5	F0	CD	4228	P* -62 4017
74	8.3	7.3W	12 13.207	-0.0043	05	-62 15 24.15	0.027	05	0.14	13.222	14	46.5	24.24	14	46.5	K0	CD	4229	P -61 4445
75	9.3	9.4W	12 30.809	-0.0009	07	-62 3 54.62	-0.022	07	0.14	30.812	14	46.5	54.54	14	46.5	A2	CD	4230	P* -61 4451
76	9.4	9.6W	12 31.226	0.0011	08	-62 14 50.27	-0.007	08	0.14	31.222	14	46.5	50.24	14	46.5	B8	CD	4231	P -61 4450
77	9.5	8.7W	12 36.056	0.0018	13	-63 20 37.23	0.003	13	0.15	36.050	14	46.5	37.23	14	46.5	K0	CD	4232	P -62 4024
78		5.9T	12 39.956	-0.0011	08	-66 21 21.86	-0.011	06	0.34	40.001	12	08.0	21.34	12	03.3	B2	GC	19230K	P* -66 2490
79	8.9	8.9W	12 45.865	0.0008	07	-62 28 37.94	0.002	07	0.14	45.862	14	46.5	37.94	14	46.5	A2	CD	4233	P -62 4028
80		8.6	12 46.097	-0.0119	25	-66 56 14.04	-0.000	36	1.71	46.734	36	96.5	14.02	45	96.5		M4	3138	P -66 2491
81	8.7	9.0W	12 46.793	0.0008	07	-62 38 45.99	0.011	07	0.14	46.790	14	46.5	46.03	14	46.5	A0	CD	4234	P -62 4027
82	9.4	8.9W	12 54.576	-0.0074	07	-61 53 4.08	-0.011	07	0.14	54.602	14	46.5	4.04	14	46.5	G0	CD	4235	P -61 4456
83	9.2	9.1W	13 5.028	-0.0010	07	-62 7 28.27	-0.006	07	0.14	5.032	14	46.5	28.24	14	46.5	A2	CD	4236	P -61 4457
84	9.5	8.2W	13 6.118	0.0012	07	-60 57 9.01	-0.013	07	0.14	6.114	14	46.5	8.96	14	46.5	K0	CD	4237	P -60 5262
85	9.6	8.4W	13 30.898	0.0052	07	-62 54 24.83	0.000	07	0.14	30.880	14	46.5	24.83	14	46.5	G5	CD	4238	P -62 4035
86		7.9T	13 46.614	-0.0191	14	-67 48 52.55	-0.122	11	0.67	47.545	22	01.2	46.41	19	99.5	F8	GC	19253	P -67 2547
87	9.0	9.0W	14 1.214	0.0030	06	-60 33 27.28	-0.006	06	0.14	1.204	14	46.5	27.26	14	46.5	B3	CD	4239	P -60 5273
88	9.8	8.6W	14 3.411	0.0022	07	-61 16 20.20	-0.011	07	0.14	3.404	14	46.5	20.16	14	46.5	K0	CD	4240	P -60 5272
89		7.7T	14 3.992	-0.0023	13	-63 10 55.91	-0.002	12	0.62	4.100	21	03.8	55.83	21	02.1	B9	GC	19257	P -62 4039
90	9.0	8.7W	14 20.049	-0.0025	07	-63 34 51.07	-0.015	07	0.14	20.058	14	46.5	51.02	14	46.5	F2	CD	4242	P -63 3199
91	9.9	9.5W	14 20.509	-0.0038	07	-62 5 7.64	-0.026	07	0.14	20.522	14	46.5	7.55	14	46.5	G0	CD	4243	P -61 4467
92	9.1	8.2W	14 26.710	-0.0027	14	-62 38 7.90	0.067	14	0.15	26.720	14	46.5	8.14	14	46.5	G5	CD	4244	P -62 4046
93	9.6	9.8W	14 39.261	-0.0004	13	-61 54 41.39	-0.011	13	0.15	39.262	14	46.5	41.35	14	46.5	B9	CD	4245	P -61 4468
94	8.6	8.4W	14 40.029	-0.0031	14	-62 46 26.82	-0.023	14	0.15	40.040	14	46.5	26.74	14	46.5	F8	CD	4246	P -62 4049
95	9.1	9.1W	14 46.117	0.0009	06	-60 40 4.23	-0.019	06	0.14	46.114	14	46.5	4.16	14	46.5	B2	CD	4247	P -60 5276
96	9.2	9.3W	14 52.790	0.0029	07	-63 28 22.45	-0.005	07	0.14	52.780	14	46.5	22.43	14	46.5	B8	CD	4249	P -63 3203
97	9.0	8.2W	14 57.365	-0.0099	07	-63 27 54.38	-0.012	07	0.14	57.400	14	46.5	54.34	14	46.5	G5	CD	4250	P -63 3204
98	9.5	9.2W	15 2.935	-0.0065	07	-64 7 45.77	-0.014	07	0.14	2.958	14	46.5	45.72	14	46.5	F0	CD	4251	P -63 3205
99	8.5	8.2W	15 7.679	-0.0081	07	-63 43 4.25	-0.064	07	0.14	7.708	14	46.5	4.02	14	46.5	G0	CD	4252	P -63 3206
00	8.9	8.4W	15 32.047	-0.0218	06	-60 35 44.50	-0.038	06	0.14	32.124	14	46.5	44.36	14	46.5	G5	CD	4253	P -60 5286

252700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 14H DM NUMBER
1		8.2	14 15 35.473	0.0001	25	-66 34 23.02	-0.093	36	1.70	35.469	53	98.4	18.22	63	98.4		M4	3148	P -66 2505
2		8.7	15 55.061	-0.0058	25	-65 17 19.29	-0.052	36	1.78	55.378	53	95.6	16.43	63	95.6		M4	3151	P -64 2810
3		5.3T	16 10.154	-0.0227	10	-61 2 32.63	-0.097	07	0.34	10.980	12	13.6	28.61	12	08.5	A3	GC	19302	P -60 5294
4		8.5	16 24.720	-0.0040	25	-69 34 34.00	-0.066	36	1.67	24.921	53	99.5	30.68	63	99.5		M4	3152	P -69 2037
5	8.0	8.0W	16 27.062	0.0023	06	-60 51 8.89	-0.008	06	0.14	27.054	14	46.5	8.86	14	46.5	B2	CO	4255	P -60 5298
6	9.6	9.5W	16 36.401	-0.0004	06	-62 11 10.04	0.001	06	0.14	36.402	14	46.5	10.04	14	46.5	B9	CO	4256	P*-61 4480
7	8.6	8.4W	16 41.216	0.0007	06	-60 39 37.11	-0.015	06	0.14	41.214	14	46.5	37.06	14	46.5	B0	CO	4257	P -60 5300
8	9.7	9.5W	16 53.393	0.0004	07	-61 36 41.42	-0.021	07	0.14	53.392	14	46.5	41.34	14	46.5	F8	CO	4258	P -61 4483
9	9.4	9.6W	17 11.121	0.0021	07	-61 3 41.18	-0.006	07	0.14	11.114	14	46.5	41.16	14	46.5	B9	CO	4259	P -60 5304
10	9.0	9.0W	17 16.842	0.0000	07	-62 21 29.38	0.019	07	0.14	16.842	14	46.5	29.44	14	46.5	B8	CO	4260	P -62 4074
11	8.8	9.0W	17 18.488	-0.0027	07	-64 8 40.70	-0.023	07	0.14	18.498	14	46.5	40.62	14	46.5	B9	CO	4261	P -63 3222
12			17 26.160	0.0008	06	-64 0 46.82	-0.001	06	0.14	26.158	14	46.5	46.82	14	46.5	K5	CO	4262V	P*-63 3224
13	9.6	8.6W	17 33.141	-0.0024	07	-63 13 50.97	-0.040	07	0.14	33.150	14	46.5	50.83	14	46.5	K0	CO	4263	P -62 4076
14	9.1	9.4W	17 35.121	-0.0008	07	-61 25 12.51	-0.013	07	0.14	35.124	14	46.5	12.46	14	46.5	A2	CO	4264	P -61 4490
15	9.2	9.5W	17 40.593	-0.0069	14	-63 34 4.03	0.025	14	0.15	40.618	14	46.5	4.12	14	46.5	A0	CO	4265	P -63 3228
16	8.8	8.0W	18 2.126	-0.0061	07	-64 3 22.25	-0.064	07	0.14	2.148	14	46.5	22.02	14	46.5	G5	CO	4266	P -63 3230
17		8.4	18 3.928	-0.0219	25	-68 51 27.60	-0.096	36	1.77	5.122	53	95.5	22.37	53	95.5		M4	3154	P -68 2108
18	7.4	7.7W	18 6.537	0.0020	06	-62 55 49.91	0.008	06	0.14	6.530	14	46.5	49.93	14	46.5	B9	CO	4267	P -62 4083
19	9.6	9.7W	18 8.283	-0.0001	07	-60 48 29.99	-0.008	07	0.14	8.284	14	46.5	29.96	14	46.5	A0	CO	4268	P -60 5316
20	8.4	8.6W	18 23.498	-0.0021	06	-60 8 29.21	-0.014	06	0.14	23.506	14	46.5	29.16	14	46.5	A0	CO	4269	P -59 5524
21	9.7	9.7W	18 28.063	0.0004	06	-62 10 58.99	-0.012	06	0.14	28.062	14	46.5	58.94	14	46.5	B5	CO	4270	P -61 4498
22	9.7	9.6W	18 33.409	0.0021	07	-62 1 3.46	-0.005	07	0.14	33.402	14	46.5	3.44	14	46.5	A2	CO	4271	P -61 4500
23		8.0	18 35.874	0.0021	25	-66 54 33.89	0.028	36	1.76	35.761	53	96.5	35.38	63	96.5		M4	3158	P -66 2514
24	10.0	9.8W	19 0.458	-0.0083	07	-63 43 58.26	-0.039	07	0.14	0.488	14	46.5	58.12	14	46.5	F0	CO	4272	P -63 3235
25		6.7T	19 29.172	-0.0018	11	-66 25 3.36	-0.021	08	0.53	29.262	19	99.5	2.18	18	93.8	A2P	GC	19369	P -66 2519
26		9.0	19 31.804	-0.0009	25	-69 44 34.98	-0.057	36	1.78	31.855	53	95.5	31.87	63	95.5		M4	3161	P -69 2042
27	9.1	9.3W	19 47.301	-0.0018	05	-63 58 43.97	-0.015	05	0.14	47.308	14	46.5	43.92	14	46.5	A0	CO	4273	P -63 3240
28	9.2	9.5W	19 54.607	0.0021	14	-62 49 37.86	-0.006	14	0.15	54.600	14	46.5	37.84	14	46.5	B9	CO	4274	P -62 4099
29	9.0	9.4W	20 15.251	0.0022	07	-61 4 35.07	-0.002	07	0.14	15.244	14	46.5	35.06	14	46.5	B9	CO	4277	P -60 5333
30	9.5	9.6W	20 28.511	-0.0003	07	-62 9 12.69	-0.013	07	0.14	28.512	14	46.5	12.64	14	46.5	A2	CO	4278	P -61 4516
31	9.0	9.2W	20 39.007	0.0010	06	-61 7 23.91	-0.013	06	0.14	39.004	14	46.5	23.86	14	46.5	B9	CO	4279	P -60 5341
32	7.5	7.8W	20 47.548	0.0013	06	-61 9 46.87	-0.002	06	0.14	47.544	14	46.5	46.86	14	46.5	A0	CO	4280	P -60 5342
33	9.7	9.8W	20 53.549	0.0009	10	-60 9 25.99	0.021	10	0.14	53.545	14	46.5	26.06	14	46.5	A0	CO	4281	P -59 5541
34	8.8	8.2W	20 54.016	0.0006	07	-61 20 26.07	-0.001	07	0.14	54.014	14	46.5	26.06	14	46.5	A0	CO	4282	P*-60 5344
35		5.7H	20 55.571	-0.0019	03	-67 58 9.73	-0.013	03	0.13	55.639	05	14.9	9.26	05	15.1	A2P	F4	530	P -67 2574
36	7.6	7.3W	20 55.604	-0.0388	06	-63 28 42.39	-0.130	06	0.14	55.740	14	46.5	41.93	14	46.5	G0	CO	4283	P -63 3246
37		6.4T	21 37.993	-0.0083	15	-65 56 50.38	-0.032	11	0.65	38.367	19	04.8	48.80	19	00.7	A2	GC	19422	P -65 2718
38	9.6	9.0W	22 3.653	0.0008	07	-62 34 21.45	-0.005	07	0.14	3.650	14	46.5	21.43	14	46.5	G0	CO	4284	P -62 4118
39	8.5	8.6W	22 4.865	-0.0031	09	-60 16 7.58	-0.007	09	0.14	4.876	14	46.5	7.56	14	46.5	A3	CO	4285	P -59 5555
40	9.6	8.5W	22 10.641	-0.0006	06	-60 47 6.68	-0.036	06	0.14	10.644	14	46.5	6.56	14	46.5	K2	CO	4286	P -60 5356
41	9.9	10.1W	22 10.691	-0.0053	14	-63 3 41.79	0.040	14	0.15	10.710	14	46.5	41.93	14	46.5	A0	CO	4287	P -62 4119
42		8.1T	22 16.354	-0.0015	12	-64 15 3.63	-0.019	11	0.62	16.425	19	01.4	2.68	19	00.0	A0	GC	19440	P -63 3252
43	9.3	9.5W	22 27.425	-0.0035	14	-63 34 52.67	-0.014	14	0.15	27.438	14	46.5	52.62	14	46.5	A2	CO	4288	P -63 3254
44	10.0	8.7W	22 48.525	0.0015	07	-63 10 4.17	-0.009	07	0.14	48.520	14	46.5	4.13	14	46.5	K0	CO	4289	P -62 4122
45		5.8T	23 5.869	-0.0034	09	-65 35 49.05	-0.018	07	0.35	6.000	14	11.3	48.27	12	07.2	K5	GC	19456	P -65 2732
46		6.6T	23 6.735	-0.0035	13	-66 20 37.72	-0.031	10	0.60	6.895	21	04.0	36.20	21	01.1	A2	GC	19457	P -66 2538
47	8.8	7.9W	23 10.428	-0.0016	06	-60 31 42.20	-0.010	06	0.14	10.434	14	46.5	42.16	14	46.5	K0	CO	4290	P -60 5366
48	10.2	10.1W	23 20.514	0.0007	08	-62 19 11.69	-0.012	08	0.14	20.512	14	46.5	11.64	14	46.5	A2	CO	4291	P -61 4540
49	10.0	9.6W	23 33.670	0.0048	07	-60 44 57.73	-0.019	07	0.14	33.654	14	46.5	57.66	14	46.5	F5	CO	4292	P -60 5370
50	7.7	7.6W	23 41.736	-0.0017	06	-61 46 19.34	-0.028	06	0.14	41.742	14	46.5	19.24	14	46.5	F2	CO	4293	P -61 4547
51	9.2	8.9W	14 23 52.375	-0.0093	07	-63 46 17.85	-0.036	07	0.14	52.408	14	46.5	17.72	14	46.5	F2	CO	4294	P -63 3260
52	8.2	8.7W	24 46.520	-0.0004	07	-61 59 7.92	-0.019	07	0.14	46.522	14	46.0	7.84	14	46.0	B8	CO	4295	P -61 4556
53		8.9T	25 2.190	-0.0013	12	-61 10 32.05	-0.006	11	0.57	2.248	19	05.4	31.78	19	03.6	A0	GC	19493	P -60 5379
54	9.9	8.8W	25 3.942	-0.0039	07	-63 53 41.33	0.023	07	0.14	3.958	14	46.0	41.42	14	46.0	K2	CO	4297	P -63 3264
55	8.8	8.6W	25 6.781	-0.0012	07	-60 19 1.66	-0.023	07	0.14	6.786	14	46.0	1.56	14	46.0	B5	CO	4298	P -59 5593
56	8.4	8.7W	25 33.051	-0.0002	06	-61 50 5.91	-0.017	06	0.14	33.052	14	46.0	5.84	14	46.0	A2	CO	4299	P -61 4562
57	9.7	9.9W	25 43.505	0.0004	14	-61 24 41.93	-0.018	14	0.15	43.504	14	46.0	41.86	14	46.0	A0	CO	4300	P -61 4563
58	9.9	9.6W	25 58.894	-0.0165	07	-63 3 58.92	-0.047	07	0.14	58.960	14	46.0	58.73	14	46.0	G0	CO	4302	P -62 4148
59	9.3	8.2W	26 5.255	-0.0020	07	-60 56 49.93	-0.017	07	0.14	5.264	14	46.0	49.86	14	46.0	K2	CO	4303	P -60 5391
60	9.7	10.1W	26 6.990	0.0006	13	-63 38 53.17	-0.038	13	0.15	6.988	14	46.0	53.02	14	46.0	A0	CO	4304	P -63 3271
61	8.9	9.1W	26 14.476	-0.0010	07	-63 20 40.10	0.008	07	0.14	14.480	14	46.0	40.13	14	46.0	B9	CO	4305	P -63 3272
62	8.6	8.9W	26 16.561	0.0023	06	-61 45 0.69	-0.011	06	0.14	16.552	14	46.0	0.64	14	46.0	A0	CO	4306	P -61 4567
63	8.5	8.2W	26 20.838	-0.0005	07	-62 38 21.32	-0.070	07	0.14	20.840	14	46.0	21.04	14	46.0	G0	CO	4307	P -62 4152
64	8.8	8.9W	26 29.229	-0.0015	06	-60 11 17.32	-0.014	06	0.14	29.235	14	46.0	17.26	14	46.0	A2	CO	4308	P -59 5607
65	9.1	9.0W	26 29.380	0.0042	06	-60 35 39.12	-0.015	06	0.14	29.364	14	46.0	39.06	14	46.0	F2	CO	4309	P -60 5399
66	9.4	9.8W	26 32.752	0.0001	10	-61 57 31.11	-0.016	10	0.15	32.752	14	46.0	31.04	14	46.0	B9	CO	4310	P -61 4569
67		5.8T	27 4.147	0.0076	06	-67 29 41.50	-0.072	06	0.27	3.836	10	09.2	38.27	10	05.5	K0	GC	19540K	P*-67 2595
68	9.7	9.4W	27 8.728	-0.0021	06	-60 5 4.52	-0.018	06	0.14	8.736	14	46.5	4.46	14	46.5	B2	CO	4542	P -59 5612
69		8.7	27 22.425	-0.0069	33	-68 10 20.77	-0.049	43	2.27	22.814	75	93.4	18.02	57	93.4		M3	1825	
70		8.5	27 38.979	-0.0299	25	-68 35 11.14	-0.195	36	1.78	40.611	53	95.5	0.49	63	95.5		M4	3189	P -68 2126
71	9.6	9.6W	27 44.250	-0.0029	06	-62 20 4.93	-0.023	06	0.14	44.262	14	46.0	4.84	14	46.0	A5	CO	4312	P -61 4579
72	8.7	8.3W	27 51.929	-0.0197	07	-64 3 38.67	-0.163	07	0.14	52.008	14	46.0	38.02	14	46.0	G5	CO	4313	P -63 3280
73	9.1	9.4W	27 55.066	0.0007	06	-60 38 16.59	-0.007	06	0.14	55.064	14	46.0	16.56	14	46.0	B9	CO	4314	P -60 5413
74	10.3	10.1W	27 58.231	0.0053	14	-63 24 43.33	0.026	14	0.15	58.210	14	46.0	43.44	14	46.0	B8	CO	4315	P -63 3283
75	8.2	8.6W	28 25.655	-0.0036	06	-62 47 38.64	-0.001	06	0.14	25.670	14	46.0	38.63	14	46.0	B9	CO	4316	P -62 4173
76	10.4		28 32.599	0.0035	09	-60 15 28.63	-0.018	09	0.14	32.585	14	46.0	28.56	14	46.0	A0	CO	4317	P -59 5622
77	9.5	9.6W	28 35.742	-0.0044	14	-62 56 54.61	0.007	14	0.15	35.760	14	46.0	54.64	14	46.0	F2	CO	4318	P*-62 4175
78	8.0	8.3W	28 41.714	-0.0010	06	-63 52 34.32	0.000	06	0.14	41.718	14	46.0	34.32	14	46.0	B8	CO	4319	P -63 3288
79	10.1	9.9W	28 43.874	0.0006	15	-62 28 53.70	0.010	15	0.15	43.872	14	46.0	53.74	14	46.0	B8	CO	4320	P -62 4176
80	9.9	9.6W	28 54.185	-0.0037	13	-63 9 51.58	-0.036	13	0.15	54.200	14	46.0	51.43	14	46.0	G0	CO	4321	P -62 4177
81	8.4	8.2W	28 55.260	-0.0119	07	-64 4 54.07	-0.036	07	0.14	55.308	14	46.0	53.92	14	46.0	F0	CO	4322	P -63 3289
82	10.2		28 59.245	0.0019	15	-63 37 6.96	-0.010	15	0.15	59.238	14	46.0	6.92	14	46.0	A0	CO	4323	P -63 3291
83	9.3	9.2W	29 0.024	-0.0058	14	-64 5 46.93	0.022	14	0.15	0.048	14	46.0	47.02	14	46.0	A2	CO	4324	P -63 3290
84		8.1	29 4.263	-0.0019	25	-66 58 2.50	-0.062	36	1.37	4.340	45	09.4	-59.98	63	09.4		M4	3192	P -66 2558
85		8.3	29 9.822	-0.0199	25	-68 55 57.81	-0.095	36	1.64	10.806	53	00.5	53.11	63	00.5		M4	3191	P -68 2128
86		8.8	29 13.291	-0.0029	25	-67 55 5.95	0.038	36	1.67	13.435	53	99.5	7.89	63	99.5		M4	3194	P -67 2602
87		7.2T	29 37.063	0.0024	11	-67 23 52.81	-0.020	07	0.53	36.944	21	00.3	51.60	18	90.7	B3	GC	19596	P -67 2603
88	8.7	9.0W	30 1.045	0.0008	07	-61 38 43.08	-0.016	07	0.14	1.041	14	46.0	43.01	14	46.0	B9	CO	4326	P -61 4602
89	7.7	7.9W	30 6.445	-0.0020	06	-60 34 54.61	-0.020	06	0.14	6.453	14	46.0	54.53	14	46.0	A2	CO	4328	P -60 5429
90	10.3		30 18.163	-0.0111	14	-63 39 29.20	-0.000	14	0.15	18.208	14	46.0	29.19	14	46.0	A0	CO	4329	P -63 3302
91	9.7	9.8W	30 20.011	-0.0001	13	-62 4 8.17	-0.015	13	0.15	20.012	14	46.0	8.11	14	46.0	B9	CO	4330	P -61 4604
92	9.5	9.6W	30 23.112	0.0027	13	-62 9 43.25	-0.009	13	0.15	23.101	14	46.0	43.21	14	46.0	B5	CO	4331	P -61 4605
93	9.1	9.5W	30 30.604	-0.0059	14	-63 58 58.52	0.018	14	0.15	30.628	14	46.0	58.59	14	46.0	B0	CO	4332	P -63 3303
94	9.4	8.5W	30 30.811	-0.0134	07	-60 11 18.09	-0.040	07	0.14	30.865	14	46.0	17.93	14	46.0	K2	CO	4333	P -59 5631
95		7.3	30 36.526	-0.0016	33	-69 14 6.59	-0.059	43	2.27	36.616	75	93.5	3.27	57	93.5		M3	1832	
96		8.4T	30 37.657	-0.0018	13	-67 21 26.50	-0.019	17	0.75	37.744	24	02.3	25.65	24	04.0	B9	GC	19620	P -67 2604
97	7.8	8.0W	30 37.996	-0.0008	09	-63 3 19.89	-0.047	09	0.14	38.000	14	46.0	19.70	14	46.0	A5	CO	4335	P -62 4186
98	9.6	9.9W	30 48.545	0.0009	09	-61 31 18.58	0.008	09	0.14	48.541	14	46.0	18.61	14	46.0	A2	CO	4336	P -61 4609
99	9.4	7.9W	30 49.639	-0.0004	07	-61 31 45.49	-0.021	07	0.14	49.641	14	46.0	45.41	14	46.0	K	CO	4337	P -61 4610
00			31 1.008	0.0038	06	-60 44 43.50	0.008	06	0.14	0.993	14	46.0	43.53	14	46.0	MB	CO	4338V	P*-60 5432

252800 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	STAR NUMBER	DM NUMBER
1	8.8	8.9W	14 31 5.236	0.0013	07	-61 36 26.76	-0.012	07	0.14	5.231	14	46.0	26.71	14	46.0	B8		CO	4339	P -61 4612
2		8.1T	31 12.114	-0.0184	13	-67 12 38.17	-0.090	12	0.67	13.016	22	01.0	33.42	21	97.5	F5		GC	19634	P -66 2565
3	9.3	9.6W	31 12.517	0.0035	13	-60 57 53.70	-0.016	13	0.15	12.503	14	46.0	53.63	14	46.0	A0		CO	4340	P -60 5433
4	8.8	8.7W	31 15.148	0.0009	07	-60 10 25.40	-0.017	07	0.14	15.144	14	46.0	25.33	14	46.0	F0		CO	4341	P -59 5635
5		8.4	31 15.242	-0.0036	25	-68 31 15.30	-0.009	36	1.49	15.405	53	05.5	14.89	63	05.5			M4	3203	P -68 2135
6		8.3	31 27.767	0.0004	25	-69 45 8.54	-0.031	36	1.47	27.750	45	04.9	7.15	45	04.7			M4	3206	P -69 2068
7	8.9	8.8W	31 29.197	-0.0037	07	-62 9 32.29	-0.043	07	0.14	29.211	14	46.0	32.11	14	46.0	F0		CO	4342	P -61 4618
8	9.9	8.8W	31 36.661	0.0003	07	-63 12 33.70	0.000	07	0.14	36.660	14	46.0	33.70	14	46.0	K2		CO	4343	P -62 4193
9		7.8T	31 45.002	-0.0003	12	-60 47 24.08	-0.007	10	0.57	45.016	19	02.4	23.72	18	98.4	B2		GC	19643	P -60 5437
10	9.7	9.8W	31 53.388	-0.0037	07	-60 57 41.49	-0.039	07	0.14	53.403	14	46.0	41.33	14	46.0	A0		CO	4345	P -60 5440
11	9.7	10.0W	31 55.711	0.0044	13	-61 18 3.82	0.002	13	0.15	55.693	14	46.0	3.83	14	46.0	B8	O	CO	4346	P -60 5441
12		8.8	31 57.103	-0.0096	25	-66 48 0.43	-0.006	36	1.70	57.599	53	98.5	0.12	63	98.5			M4	3206	P -66 2571
13		7.3T	32 4.520	-0.0004	16	-63 47 51.52	-0.041	11	0.67	4.539	22	05.1	49.51	19	01.2	F0		GC	19651	P -63 3313
14	9.2	9.2W	32 6.803	0.0000	07	-60 35 22.22	0.002	07	0.14	6.803	14	46.0	22.23	14	46.0	B3		CO	4348	P -60 5443
15	10.2	9.8W	32 13.623	0.0005	09	-61 36 44.23	-0.025	09	0.14	13.621	14	46.0	44.11	14	46.0	F5		CO	4349	P -61 4626
16	8.4	8.1W	32 31.014	0.0040	06	-63 55 42.65	-0.038	06	0.14	30.998	14	46.0	42.49	14	46.0	F5		CO	4350	P -63 3315
17	9.2	9.2W	32 37.358	0.0013	07	-60 50 12.16	-0.032	07	0.14	37.353	14	46.0	12.03	14	46.0	B		CO	4351	P -60 5449
18	9.5	9.7W	32 39.210	-0.0000	07	-63 27 17.21	-0.003	07	0.14	39.210	14	46.0	17.20	14	46.0	B9		CO	4352	P -63 3318
19	9.8	9.6W	32 46.012	-0.0048	15	-62 20 38.56	0.038	15	0.15	46.031	14	46.0	38.71	14	46.0	A5		CO	4353	P -62 4199
20	8.5	8.8W	33 7.128	0.0014	07	-60 32 12.69	-0.015	07	0.14	7.123	14	46.0	12.63	14	46.0	B9		CO	4354	P -60 5455
21	8.6	7.8W	33 9.292	0.0001	07	-62 17 29.22	-0.001	07	0.14	9.291	14	46.0	29.21	14	46.0	K0		GC	19655	P*-61 4636
22		7.0T	33 19.858	0.0010	15	-61 47 37.98	-0.009	12	0.66	19.812	19	04.3	37.53	17	00.0	G5		GC	19675	P -61 4642
23	8.9	9.2W	33 29.204	0.0002	07	-61 28 36.24	-0.003	07	0.14	29.203	14	46.0	36.23	14	46.0	B5		CO	4357	P -61 4644
24		6.1T	33 32.449	-0.0635	10	-67 42 41.53	-0.282	09	0.57	36.087	18	92.7	23.89	17	88.1	F5		GC	19678	P -67 2616
25	9.9	9.7W	33 33.536	0.0017	13	-63 13 45.37	0.033	13	0.15	33.530	14	46.0	45.50	14	46.0	A5		CO	4358	P -62 4205
26		8.3	33 43.219	-0.0026	25	-68 44 5.23	-0.035	36	1.44	43.329	53	07.6	3.77	63	07.6			M4	3209	P -68 2143
27		8.5T	33 47.081	-0.0014	12	-67 6 40.41	-0.010	11	0.65	47.153	21	99.4	39.91	19	96.8	B9		GC	19665	P -66 2588
28	8.8	9.1W	33 51.523	0.0020	06	-60 8 21.16	-0.006	06	0.14	51.514	14	46.0	21.13	14	46.0	B8		CO	4359	P*-59 5660
29	10.1	10.0W	33 58.778	-0.0079	14	-63 2 14.66	0.060	14	0.15	18.810	14	46.0	14.90	14	46.0	A0		CO	4360	P -62 4209
30	8.0	8.0W	34 21.064	-0.0018	06	-61 37 5.35	-0.010	06	0.14	21.071	14	46.0	5.31	14	46.0	A3		CO	4361	P -61 4649
31	10.2		34 30.666	0.0057	09	-61 15 8.00	0.008	09	0.14	30.643	14	46.0	8.03	14	46.0	A0		CO	4363	P -60 5468
32	9.1	9.3W	34 36.305	-0.0017	07	-62 19 49.20	0.003	07	0.14	36.311	14	46.0	49.21	14	46.0	A0		CO	4364	P -62 4213
33	10.1	9.3W	34 40.887	0.0040	07	-61 41 32.13	0.020	07	0.14	40.871	14	46.0	32.21	14	46.0	G5		CO	4365	P -61 4655
34	9.2	9.3W	34 58.646	-0.0035	08	-62 43 35.23	0.018	08	0.14	58.660	14	46.0	35.30	14	46.0	B8		CO	4366	P -62 4216
35		7.0T	35 12.643	0.0000	11	-67 59 17.22	-0.026	10	0.60	12.642	19	95.0	15.75	19	92.8	B3		GC	19711	P*-67 2622
36		7.9	35 35.502	-0.0075	25	-64 29 55.99	-0.084	36	1.81	35.918	53	94.6	51.32	63	94.6			M4	3216	P -64 2957
37		7.9T	35 40.440	-0.0045	12	-63 19 49.44	0.020	11	0.52	40.250	18	08.0	50.34	18	05.2	K0		GC	19722	P -63 3349
38		1.0H	36 11.253	-0.4904	02	-60 37 48.84	0.712	01	0.09	39.743	04	91.9	+33.21	03	87.7	+++		F4	5380	P -60 5483
39	9.0	9.3W	36 32.948	0.0038	09	-60 0 6.34	0.027	09	0.14	32.935	14	46.5	6.44	14	46.5	A0		CO	4600	P -59 5682
40		8.3	36 34.937	-0.0197	25	-66 43 53.01	-0.036	36	1.78	36.012	53	95.5	51.02	63	95.5			M4	3220	P -66 2600
41	9.5	9.8W	36 40.410	-0.0027	14	-62 27 30.65	0.040	14	0.15	40.421	14	46.0	30.81	14	46.0	A0		CO	4370	P -62 4230
42	9.7	8.1W	37 3.819	-0.0002	07	-63 26 38.48	-0.019	07	0.14	3.820	14	46.0	38.40	14	46.0	K2		CO	4371	P -63 3364
43	9.7	9.9W	37 6.377	0.0065	11	-61 44 6.14	-0.008	11	0.15	6.351	14	46.0	6.11	14	46.0	B9		CO	4372	P -61 4663
44	8.9	9.2W	37 6.520	0.0004	07	-64 0 19.98	-0.022	07	0.14	6.518	14	46.0	19.89	14	46.0	B9		CO	4373	P -63 3363
45	9.7	8.0W	37 10.503	-0.0038	07	-63 57 34.82	-0.006	07	0.14	10.518	14	46.0	34.80	14	46.0	K2		CO	4374	P -63 3365
46		8.8	37 28.666	-0.0037	25	-68 52 35.41	-0.075	36	1.67	28.852	53	99.6	31.62	63	99.6			M4	3222	P -68 2152
47	9.9	10.1W	37 31.974	0.0006	10	-62 17 39.43	-0.004	10	0.15	31.972	14	46.0	39.41	14	46.0	B9		CO	4375	P -61 4665
48	10.1	10.0W	37 32.147	-0.0056	15	-62 43 23.03	0.042	15	0.15	32.170	14	46.0	23.20	14	46.0	A0		CO	4376	P*-62 4242
49	9.6	9.8W	37 59.700	-0.0019	13	-63 49 6.02	0.020	13	0.15	59.708	14	46.0	6.09	14	46.0	A		CO	4377	P -63 3375
50	10.0	9.7W	38 2.195	-0.0040	07	-61 33 0.37	-0.039	07	0.14	2.211	14	46.0	0.21	14	46.0	F8		CO	4378	P -61 4668
51	9.7	9.7W	14 38 4.674	-0.0038	14	-62 49 16.57	0.034	14	0.15	4.690	14	46.0	16.70	14	46.0	B5		CO	4379	P -62 4246
52		8.8W	38 24.149	-0.0316	20	-64 45 42.73	-0.272	17	0.89	25.591	24	04.3	29.69	22	02.0			GC	19771K	P -64 2977
53		3.4H	38 26.380	-0.0291	04	-64 45 32.38	-0.238	03	0.14	27.396	07	15.2	24.65	06	17.5	F0		F4	539	P -64 2977
54	9.1	9.4W	38 27.037	-0.0001	07	-64 1 45.25	0.011	07	0.14	27.038	14	46.0	45.29	14	46.0	B9		CO	4380	P -63 3381
55	8.8	8.9W	38 45.992	-0.0007	07	-60 29 25.84	-0.001	07	0.14	45.995	14	46.0	25.83	14	46.0	A2		CO	4381	P -60 5495
56	8.9	9.3W	38 59.294	-0.0039	14	-62 57 32.31	0.023	14	0.15	59.310	14	46.0	32.40	14	46.0	A0		GC	4382	P -62 4254
57		7.6T	39 8.840	0.0033	11	-61 59 40.64	-0.027	10	0.54	8.671	15	99.1	39.23	14	97.6	A2		GC	19767	P -61 4674
58		8.7	39 8.851	-0.0077	25	-66 33 57.35	0.005	36	1.53	9.211	53	03.5	57.58	53	03.5			M4	3226	P -66 2616
59	9.4	9.5W	39 28.804	-0.0039	15	-63 8 44.90	0.025	15	0.15	28.820	14	46.0	45.00	14	46.0	B8		CO	4385	P -62 4255
60		6.6T	39 29.874	-0.0034	14	-62 45 16.63	-0.014	10	0.61	30.029	21	04.5	15.95	18	00.7	B3		GC	19796	P -62 4257
61		8.0	39 34.684	-0.0206	25	-64 50 20.86	-0.066	36	1.81	35.823	53	94.6	17.22	63	94.6			M4	3230	P -64 2987
62		7.2T	39 44.811	-0.0138	11	-69 27 40.92	-0.106	11	0.61	45.495	21	00.3	35.33	19	97.3	F8		GC	19802	P -69 2083
63		7.7	39 54.968	-0.0043	25	-67 11 33.84	-0.036	36	1.72	54.743	53	97.5	31.98	63	97.5			M4	3231	P -66 2618
64	9.7	9.6W	40 12.878	-0.0029	14	-63 3 24.43	0.018	14	0.15	12.889	14	46.0	24.50	14	46.0	B3		CO	4387	P -62 4263
65	9.1	7.8W	40 38.682	-0.0023	06	-61 43 0.69	-0.020	06	0.14	38.691	14	46.0	0.61	14	46.0	K0		CO	4388	P -61 4679
66	9.3	9.2W	40 48.861	-0.0000	07	-61 59 25.81	-0.001	07	0.14	48.861	14	46.0	25.81	14	46.0	B5		CO	4389	P -61 4681
67	9.1	9.4W	41 4.683	0.0009	07	-63 15 58.03	-0.007	07	0.14	4.680	14	46.0	58.00	14	46.0	A0		CO	4390	P*-62 4273
68	9.1	7.0W	41 5.337	0.0009	06	-61 18 38.44	-0.003	06	0.14	5.333	14	46.0	38.43	14	46.0	K2		CO	4391	P -60 5502
69		5.3T	41 18.184	0.0101	07	-62 39 49.76	-0.089	06	0.28	17.756	09	07.7	45.72	09	04.5	A5		GC	19832K	P -62 4275
70	9.7	9.4W	41 25.168	-0.0034	07	-61 39 31.74	-0.056	07	0.14	25.181	14	46.0	31.51	14	46.0	F8		CO	4393	P -61 4691
71	9.8	9.6W	41 34.879	0.0039	13	-60 37 31.30	0.008	13	0.15	34.863	14	46.0	31.33	14	46.0	F0		CO	4394	P -60 5504
72	9.8	10.0W	41 38.356	0.0012	13	-61 49 28.36	-0.036	13	0.15	38.351	14	46.0	28.21	14	46.0	B9		CO	4395	P -61 4694
73	8.2	8.0W	42 5.639	0.0044	06	-62 19 32.21	0.000	06	0.14	5.621	14	46.1	32.21	14	46.1	F8		CO	4396	P -62 4281
74	9.0	9.4W	42 12.623	-0.0044	07	-63 16 58.05	-0.011	07	0.14	12.640	14	46.1	58.00	14	46.1	A2		CO	4397	P -62 4283
75	9.7	9.3W	42 13.195	0.0006	10	-60 59 46.25	-0.004	10	0.15	13.193	14	46.1	46.23	14	46.1	F8		CO	4398	P -60 5508
76	9.3	9.3W	42 16.529	-0.0022	15	-63 42 41.85	0.013	15	0.15	16.538	14	46.1	41.89	14	46.1	A3		CO	4399	P -63 3400
77	9.1	9.4W	42 26.510	0.0006	07	-63 59 29.90	-0.001	07	0.14	26.508	14	46.1	29.90	14	46.1	A0		CO	4400	P -63 3402
78	9.7	9.9W	42 37.265	0.0009	11	-61 37 34.13	-0.004	11	0.15	37.261	14	46.1	34.11	14	46.1	B9		CO	4401	P -61 4700
79	8.1	7.6W	42 47.732	-0.0002	06	-61 15 8.21	0.006	06	0.14	47.733	14	46.1	8.23	14	46.1	F2		CO	4403	P*-60 5511
80	8.8	8.1W	43 5.432	0.0022	06	-60 39 22.31	0.005	06	0.14	5.423	14	46.1	22.33	14	46.1	F0		CO	4404	P -60 5512
81	9.1	9.3W	43 5.597	-0.0028	07	-63 48 4.19	0.001	07	0.14	5.608	14	46.1	4.19	14	46.1	B9		CO	4405	P -63 3406
82		7.4T	43 15.215	-0.0037	18	-65 58 12.66	-0.033	14	0.76	15.376	22	06.6	11.12	21	03.9	B3		GC	19872	P -65 2865
83		7.2T	43 31.550	-0.0038	12	-68 18 38.77	-0.021	11	0.64	31.745	21	98.4	37.66	19	96.4	A0		GC	19878K	P*-67 2652
84		7.4T	43 34.204	0.0035	15	-66 7 22.18	-0.007	12	0.62	34.060	19	08.8	21.84	19	03.3	B8		GC	19880	P -65 2868
85	9.4	9.6W	43 46.394	-0.0024	07	-61 3 41.35	-0.006	07	0.14	46.403	14	46.1	41.33	14	46.1	A0		CO	4406	P -60 5517
86	9.8	9.1W	43 48.882	-0.0017	14	-64 7 18.57	0.006	14	0.15	48.888	14	46.1	18.60	14	46.1	G5		CO	4407	P -63 3410
87		8.3	43 48.948	-0.0067	25	-65 31 52.41	-0.039	36	1.58	49.266	53	02.5	50.55	63	02.5			M4	3246	P -65 2871
88	9.6	8.4W	43 53.675	0.0005	07	-61 22 47.23	-0.024	07	0.14	53.673	14	46.1	47.13	14	46.1	K0		CO	4408	P -61 4708
89	9.5	7.9W	43 54.051	-0.0017	07	-63 43 10.65	-0.014	07	0.14	54.058	14	46.1	10.60	14	46.1	K5		CO	4409	P -63 3413
90	9.1	9.1W	43 57.615	0.0001	07	-60 12 54.55	-0.004	07	0.14	57.614	14	46.1	54.53	14	46.1	B8		CO	4410	P -59 5714
91		7.7T	43 58.436	0.0030	13	-66 13 50.40	-0.029	12	0.63	58.299	21	03.7	49.01	21	02.7	B9		GC	19889	P -65 2874
92	10.3	10.0W	44 11.118	-0.0012	12	-60 38 49.05	-0.004	12	0.15	11.123	14	46.1	49.03	14	46.1	F8		CO	4411	P -60 5519
93		7.8T	44 15.368	-0.0029	12	-66 19 4.92	-0.031	11	0.60	15.505	21	02.9	3.36	19	00.1	A2		GC	19892	P -65 2879
94		6.0T	44 28.696	-0.0021	11	-66 23 7.93	-0.030	09	0.53	28.800	19	00.6	6.43	17	00.6	B3		GC	19898	P -66 2645
95	9.2	7.5W	44 34.071	0.0002	06	-63 8 49.58	0.005	06	0.14	34.070	14	46.1	49.60	14	46.1	K2		CO	4412	P -62 4294
96	9.0	9.1W	44 42.027	0.0015	07	-61 54 10.58	-0.016	07	0.14	42.021	14	46.1	10.51	14	46.1	B8		CO	4413	P -61 4713
97	9.5	9.5W	44 46.190	-0.0010	07	-61 29 10.59	-0.016	07	0.14	46.193	14	46.1	10.53	14	46.1	A3		CO	4414	P -61 4717
98	10.2	9.1W	44 46.638	-0.0035	07	-62 3 13.56	-0.037	07	0.14	46.651	14	46.1	13.41	14	46.1	K2		CO	4415	P -61 4716
99		7.5T	45 5.281	-0.0206	12	-67 1 27.02	-0.351	12	0.65	6.327	22	99.3	8.92	21	98.5	K0		GC	19910	P -66 2648
00		6.6T	45 8.372	-0.0005	10	-68 43 41.48	0.003	10	0.59	8.399	19	94.2	41.65	18	91.0	B3		GC	19911	P -68 2185

252900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_α s	σ_{μ_α} .001	δ_{1950} ° ′ ″	μ_δ ″	σ_{μ_δ} .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ_{α_2} .01	ep.	δ_2 ″	σ_{δ_2} .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60 14H DM NUMBER
1		7.6	14 45 12.752	-0.0057	25	-65 28 27.15	-0.033	36	1.52	13.009	53	04.6	25.68	63	04.6		M4	3251	P -65 2887
2	9.3	9.0W	45 17.066	-0.0044	12	-60 37 45.64	-0.029	12	0.15	17.083	14	46.1	45.53	14	46.1	F5	C0	4416	P -60 5522
3	10.0	9.9W	45 30.152	-0.0029	14	-60 43 8.56	-0.007	14	0.15	30.163	14	46.1	8.53	14	46.1	F5	C0	4417	P -60 5523
4	9.7	9.4W	45 34.325	-0.0085	14	-64 3 20.23	0.016	14	0.15	34.358	14	46.1	20.29	14	46.1	F0	C0	4418	P -63 3420
5	9.9	8.9W	45 34.968	-0.0018	14	-60 25 53.51	0.006	14	0.15	34.975	14	46.1	53.53	14	46.1	G5	C0	4419	P -60 5525
6	10.1		45 55.427	0.0031	13	-60 12 39.50	0.008	13	0.15	55.415	14	46.1	39.53	14	46.1	A0	C0	4420	P -59 5725
7		7.4T	46 2.403	-0.0005	12	-62 7 24.92	0.003	10	0.53	2.423	17	08.5	25.06	17	03.0	B8	GC	19926	P -61 4725
8		7.9	46 9.329	0.0053	25	-67 17 27.58	-0.019	36	1.38	9.115	53	09.5	26.79	63	09.5		M4	3252	P -66 2652
9		8.0T	46 19.163	0.0011	17	-66 3 10.32	-0.032	13	0.73	19.115	22	05.5	8.76	19	01.8	B8	GC	19931	P -65 2895
10		8.5T	46 24.227	0.0045	15	-66 16 46.10	-0.010	13	0.66	24.031	22	06.3	45.65	21	06.0	B9	GC	19935	P -65 2896
11	10.3		46 29.665	0.0028	12	-60 2 10.70	-0.017	12	0.15	29.654	14	46.1	10.63	14	46.1	A0	C0	4422	P -59 5729
12	9.6	9.8W	46 38.705	0.0017	07	-63 49 7.61	-0.002	07	0.14	38.698	14	46.1	7.60	14	46.1	A0	C0	4423	P -63 3423
13	9.5	9.4W	46 43.848	0.0018	13	-61 58 27.16	-0.037	13	0.15	43.841	14	46.1	27.01	14	46.1	A0	C0	4424	P -61 4731
14	9.5	9.7W	46 58.206	-0.0034	08	-63 17 19.07	0.009	08	0.14	58.220	14	46.1	19.10	14	46.1	B9	C0	4425	P -62 4306
15	9.9	8.8W	47 4.927	-0.0063	07	-61 43 35.26	-0.012	07	0.14	4.951	14	46.1	35.21	14	46.1	K0	C0	4426	P -61 4735
16	10.0	9.6W	47 11.842	-0.0123	15	-63 2 49.41	-0.027	15	0.15	11.890	14	46.1	49.30	14	46.1	F8	C0	4427	P -62 4310
17	9.0	8.4W	47 25.853	0.0000	07	-61 21 42.64	-0.054	07	0.14	25.853	14	46.1	42.43	14	46.1	G5	C0	4429	P -61 4738
18		7.2T	47 36.839	0.0074	11	-60 43 36.12	0.107	09	0.48	36.525	17	07.6	41.17	17	02.8	F8	GC	19962	P -60 5530
19		8.9	47 43.738	-0.0027	25	-66 52 5.00	-0.029	36	1.38	43.848	53	09.5	3.81	63	09.5		M4	3258	P -66 2656
20	10.0	9.5W	47 44.438	0.0061	07	-63 45 55.46	-0.015	07	0.14	44.438	14	46.1	55.40	14	46.1	G0	C0	4431	P -63 3427
21	10.0	10.0W	47 48.008	0.0025	13	-63 44 0.70	0.051	13	0.15	47.998	14	46.1	0.90	14	46.1	A5	C0	4432	P -63 3428
22	9.3	9.0W	47 51.191	-0.0010	07	-60 17 34.33	-0.000	07	0.14	51.195	14	46.1	34.33	14	46.1	B5	C0	4433	P -59 5739
23	7.7	8.0W	48 5.860	0.0013	07	-60 7 45.20	-0.017	07	0.14	5.854	14	46.1	45.13	14	46.1	A0	C0	4434	P -59 5740
24		8.3	48 8.856	-0.0077	25	-65 35 26.95	-0.181	36	1.75	9.266	53	96.8	17.31	63	96.8		M4	3260	P -65 2905
25	9.1	9.4W	48 15.989	0.0028	13	-63 35 7.42	-0.005	13	0.15	15.978	14	46.1	7.39	14	46.1	B9	C0	4435	P -63 3433
26	9.2	9.4W	48 22.748	-0.0054	14	-62 30 11.13	0.019	14	0.15	22.770	14	46.1	11.20	14	46.1	A0	C0	4436	P*-62 4315
27	8.5	8.2W	48 22.877	0.0014	07	-62 22 1.75	0.016	07	0.14	22.871	14	46.1	1.81	14	46.1	F8	C0	4437	P -62 4316
28		5.8T	48 29.863	-0.0025	09	-63 36 17.80	-0.014	07	0.32	29.955	11	13.5	17.24	10	10.6	+++	GC	19981K	P*-63 3436
29	7.9	8.2W	48 39.534	0.0002	07	-61 21 49.31	-0.020	07	0.14	39.533	14	46.1	49.23	14	46.1	A0	C0	4439	P -61 4744
30	8.9	8.7W	48 41.588	-0.0048	13	-60 1 4.18	-0.012	13	0.15	41.605	14	46.5	4.13	14	46.5	F5	C0	4668	P -59 5741
31	9.9	9.7W	48 52.425	0.0004	13	-61 12 23.73	-0.027	13	0.15	52.423	14	46.1	23.63	14	46.1	A2	C0	4441	P -60 5539
32	8.1	8.5W	48 52.997	0.0022	07	-64 7 14.40	-0.026	07	0.14	52.988	14	46.1	14.30	14	46.1	B8	C0	4442	P -63 3438
33	10.1	10.0W	48 54.832	0.0011	13	-63 45 22.82	0.020	13	0.15	54.828	14	46.1	22.90	14	46.1	A0	C0	4443	P -63 3439
34	9.3	8.3W	49 1.675	-0.0061	14	-63 17 44.68	0.005	14	0.15	1.690	14	46.1	44.70	14	46.1	K0	C0	4444	P -62 4318
35		7.1T	49 7.469	-0.0039	11	-60 38 23.77	-0.017	09	0.55	7.664	15	99.8	22.89	14	98.0	K2	GC	19992	P -60 5541
36	9.7	9.4W	49 8.290	-0.0004	13	-62 12 7.91	-0.026	13	0.15	8.291	14	46.1	7.81	14	46.1	A5	C0	4446	P -61 4746
37	9.6	8.6W	49 19.267	-0.0002	07	-63 42 17.83	-0.010	07	0.14	19.268	14	46.1	17.79	14	46.1	K0	C0	4447	P -63 3441
38	9.3	9.0W	49 21.911	-0.0022	13	-62 30 39.96	0.010	13	0.15	21.920	14	46.1	40.00	14	46.1	F5	C0	4448	P -62 4321
39	10.0	8.7W	49 26.237	-0.0011	07	-62 18 54.51	0.000	07	0.14	26.241	14	46.1	54.51	14	46.1	K2	C0	4449	P -62 4322
40	9.8	9.5W	49 27.140	-0.0008	06	-60 44 4.62	0.002	06	0.14	27.143	14	46.1	4.63	14	46.1	F5	C0	4450	P -60 5543
41		8.0T	49 31.269	-0.0038	12	-69 10 9.99	-0.041	11	0.66	31.460	22	99.4	7.74	19	95.3	B9	GC	19998	P -68 2208
42	8.4	8.8W	49 35.465	0.0010	07	-62 9 7.04	-0.007	07	0.14	35.461	14	46.1	7.01	14	46.1	B9	C0	4451	P -61 4749
43	9.3	7.9W	49 37.136	0.0012	07	-61 51 19.56	-0.012	07	0.14	37.131	14	46.1	19.51	14	46.1	K0	C0	4452	P -61 4750
44	8.7	9.0W	49 39.820	0.0006	06	-63 34 11.13	-0.008	06	0.14	39.818	14	46.1	11.10	14	46.1	B8	C0	4453	P -63 3442
45		6.9T	49 55.690	-0.0440	13	-66 12 51.25	-0.202	13	0.64	57.744	18	03.3	41.62	17	02.4	G0	GC	20007K	P*-65 2914
46		8.9	50 4.839	-0.0177	25	-67 26 34.80	-0.068	36	1.72	5.769	53	97.5	31.79	63	97.5		M4	3266	P -67 2683
47	9.5	9.6W	50 14.525	0.0030	09	-61 5 1.16	-0.008	09	0.14	14.513	14	46.1	1.13	14	46.1	A0	C0	4455	P*-60 5550
48		6.6T	50 16.486	-0.0011	11	-69 39 27.65	-0.015	09	0.59	16.545	19	97.6	26.78	18	92.2	B9	GC	20015	P -69 2146
49		8.9	50 17.827	-0.0108	25	-67 40 54.35	-0.084	36	1.67	18.371	53	99.6	50.09	63	99.6		M4	3267	P -67 2685
50		9.2	50 23.656	0.0013	25	-65 35 42.50	-0.064	36	1.55	23.597	53	03.5	39.97	63	03.5		M4	3268	P -65 2917
51		6.2T	14 50 26.710	-0.0022	13	-65 47 16.84	-0.027	07	0.54	26.811	21	04.1	15.36	18	95.8	B3	GC	20017	P*-65 2918
52	8.7	9.0W	50 43.761	0.0025	07	-61 47 32.51	0.001	07	0.14	43.751	14	46.1	32.51	14	46.1	B8	C0	4456	P -61 4759
53	9.1	9.2W	50 55.577	-0.0032	07	-62 53 16.73	-0.008	07	0.14	55.590	14	46.1	16.70	14	46.1	B9	C0	4457	P -62 4327
54	9.8	9.5W	50 56.190	-0.0000	14	-63 25 43.48	0.005	14	0.15	56.190	14	46.1	43.50	14	46.1	F5	C0	4458	P -63 3446
55		7.5T	51 0.726	-0.0007	16	-60 52 22.32	0.002	12	0.64	0.755	19	07.4	22.41	18	04.3	M0	GC	20031	P -60 5558
56		8.2	51 3.274	-0.0007	25	-66 27 32.72	-0.096	36	1.67	3.309	53	99.5	27.87	63	99.5		M4	3271	P -66 2670
57		7.3T	51 6.872	-0.0064	12	-61 40 13.91	-0.032	08	0.50	7.148	18	06.9	12.32	17	00.3	B9	GC	20035	P -61 4760
58	9.7	9.5W	51 25.547	0.0032	09	-60 10 3.90	0.008	09	0.14	25.534	14	46.1	3.93	14	46.1	A3	C0	4461	P -59 5751
59	9.6	8.4W	51 26.115	0.0027	07	-60 18 57.24	-0.002	07	0.14	26.104	14	46.1	57.23	14	46.1	K0	C0	4462	P -60 5560
60		6.8T	52 2.207	-0.0053	15	-60 42 14.28	-0.019	11	0.63	2.441	21	05.7	13.35	19	00.7	G5	GC	20056	P -60 5563
61	7.8	7.8W	52 18.673	-0.0104	05	-61 3 53.98	-0.063	05	0.14	18.713	14	46.1	53.73	14	46.1	F2	C0	4464	P -60 5565
62		8.7	52 28.130	-0.0028	25	-68 38 17.44	0.011	36	1.78	28.279	53	95.6	18.06	63	95.6		M4	3274	P -68 2226
63	9.4	8.5W	52 35.635	-0.0059	07	-63 57 27.82	-0.031	07	0.14	35.658	14	46.1	27.70	14	46.1	K0	C0	4466	P -63 3453
64		6.7T	52 36.879	-0.0019	12	-62 9 47.27	-0.031	09	0.50	36.958	18	08.0	45.85	17	03.9	B3	GC	20063	P -61 4768
65		5.4T	52 41.002	-0.0006	08	-62 34 45.96	-0.004	05	0.30	41.025	14	11.3	45.79	12	04.6	B3	GC	20067	P*-62 4337
66		7.7	52 43.955	0.0004	33	-64 53 51.66	-0.095	43	2.27	43.930	75	93.5	46.32	57	93.5		M3	1885	
67	8.5	8.7W	53 8.377	-0.0008	07	-63 3 33.91	-0.002	07	0.14	8.380	14	46.1	33.90	14	46.1	A0	C0	4469	P -62 4338
68		8.8	53 46.719	-0.0127	25	-69 55 45.75	-0.017	36	1.76	47.413	45	95.5	44.81	53	95.5		M4	3280	P -69 2173
69	8.7	9.0W	53 52.026	-0.0014	07	-62 21 15.16	-0.012	07	0.14	52.031	14	46.1	15.11	14	46.1	A2	C0	4470	P -62 4340
70	8.5	8.4W	53 53.626	-0.0062	07	-63 5 10.85	-0.064	07	0.14	53.650	14	46.1	10.60	14	46.1	F5	C0	4471	P -62 4339
71	7.5	8.1W	53 55.325	-0.0037	06	-63 21 8.32	-0.004	06	0.14	55.340	14	46.1	8.30	14	46.1	A	C0	4472	P -63 3459
72	8.1	8.7W	53 57.249	-0.0053	07	-63 21 27.21	-0.001	07	0.14	57.270	14	46.1	27.20	14	46.1	A	C0	4473	P -63 3460
73		8.9	54 8.348	0.0123	25	-65 35 50.83	-0.050	36	1.81	7.666	53	94.5	48.03	63	94.5		M4	3284	P -65 2930
74	9.3	9.5W	54 8.543	0.0005	09	-62 0 13.69	0.007	09	0.14	8.541	14	46.1	13.71	14	46.1	A0	C0	4474	P -61 4775
75		9.0T	54 14.096	0.0002	11	-61 2 3.61	-0.004	09	0.50	14.086	18	06.0	3.42	17	02.7	B8	GC	20102	P -60 5574
76	8.9	9.3W	54 16.331	-0.0030	07	-61 12 6.64	-0.002	07	0.14	16.343	14	46.1	6.63	14	46.1	B9	C0	4476	P -60 5575
77	9.6	9.8W	54 20.041	0.0025	09	-61 39 21.50	0.002	09	0.14	20.031	14	46.1	21.51	14	46.1	B9	C0	4477	P -61 4778
78		8.4T	54 27.901	-0.0036	18	-66 6 50.47	-0.017	15	0.76	28.055	22	07.3	49.69	21	05.3	B9	GC	20109	P -65 2931
79		8.1T	54 32.084	-0.0036	12	-64 48 13.46	-0.034	09	0.57	32.260	19	00.3	11.61	18	94.9	A3	GC	20112	P -64 3053
80		9.1	54 35.416	-0.0067	33	-67 21 19.72	-0.029	43	2.31	35.803	75	92.5	18.08	57	92.5		M3	1887	
81	10.0	10.1W	54 53.389	-0.0027	14	-62 54 45.98	-0.020	14	0.15	53.400	14	46.1	45.90	14	46.1	A0	C0	4478	P -62 4343
82	8.2	8.3W	55 18.918	-0.0009	07	-62 18 34.35	-0.010	07	0.14	18.922	14	46.1	34.31	14	46.1	A3	C0	4479	P -62 4345
83	9.2	8.3W	55 19.101	-0.0036	06	-60 28 11.24	-0.027	06	0.14	19.115	14	46.1	11.13	14	46.1	G5	C0	4480	P -60 5583
84	9.4	9.8W	55 19.855	-0.0004	11	-61 35 1.02	-0.002	11	0.15	19.851	14	46.1	1.01	14	46.1	A0	C0	4481	P -61 4781
85		9.1	55 37.415	-0.0038	25	-69 33 7.41	-0.013	36	1.51	37.496	45	04.5	6.82	63	04.5		M4	3289	P -69 2189
86	10.2	10.1W	56 23.634	-0.0015	15	-62 31 41.14	0.041	15	0.15	23.640	14	46.1	41.30	14	46.1	A5	C0	4482	P -62 4353
87		8.2	56 36.714	0.0083	25	-69 1 14.42	-0.021	36	1.45	36.349	45	06.0	13.49	53	06.0		M4	3292	P -68 2257
88		7.3T	56 45.820	-0.0008	08	-67 47 7.72	-0.013	09	0.51	45.865	17	91.9	6.98	18	91.8	B9	GC	20169K	P*-67 2719
89	9.5	9.8W	56 49.427	-0.0027	07	-63 53 32.92	-0.006	07	0.14	49.438	14	46.1	32.90	14	46.1	A0	C0	4483	P -63 3469
90		6.8T	56 50.237	-0.0011	12	-64 22 38.67	-0.069	09	0.56	50.291	21	01.1	34.85	18	94.8	A5	GC	20171	P -64 3066
91	9.0	9.3W	57 4.724	0.0000	06	-61 28 12.67	-0.010	06	0.14	4.723	14	46.1	12.63	14	46.1	B9	C0	4484	P -61 4789
92		7.8	57 7.250	0.0033	25	-65 42 58.12	0.003	36	1.52	7.101	53	04.6	58.25	63	04.6		M4	3297	P -65 2948
93	7.3	7.6W	57 26.393	-0.0038	06	-63 43 45.46	-0.015	06	0.14	26.408	14	46.1	45.40	14	46.1	F0	C0	4485	P -63 3473
94	9.5	9.3W	57 27.478	0.0013	07	-60 35 26.72	-0.023	07	0.14	27.473	14	46.1	26.63	14	46.1	A0	C0	4486	P -60 5590
95	9.4	9.7W	58 11.437	0.0015	09	-61 40 49.25	-0.011	09	0.14	11.431	14	46.1	49.21	14	46.1	A0	C0	4487	P -61 4794
96	9.4	9.4W	58 28.030	-0.0009	06	-61 25 50.31	-0.021	06	0.14	28.033	14	46.1	50.23	14	46.1	A3	C0	4488	P -61 4797
97	9.2	8.6W	58 35.865	0.0012	07	-63 29 24.35	-0.013	07	0.14	35.860	14	46.1	24.30	14	46.1	+++	C0	4489	P -63 3478
98	9.3	9.6W	58 58.862	0.0003	07	-61 32 56.93	-0.005	07	0.14	58.861	14	46.1	56.91	14	46.1	B8	C0	4490	P -61 4803
99	10.4		59 15.872	0.0009	15	-64 0 16.54	0.041	15	0.15	15.868	14	46.1	16.69	14	46.1	A0	C0	4491	P -63 3482
00	9.0	9.4W	59 22.577	-0.0002	06	-63 42 24.62	-0.030	06	0.14	22.578	14	46.1	24.50	14	46.1	A0	C0	4492	P -63 3483

253000

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 14H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.2	14 59 25.063	0.0083	25	-66 37 8.26	-0.008	36	1.69	24.639	53	98.6	7.85	63	98.6		M4	3304	P -66 2702
2	8.3	8.6W	15 0 1.047	0.0010	06	-60 37 32.09	-0.015	06	0.14	1.043	14	46.5	32.03	14	46.5	B8	CO	4493	P -60 5607
3	9.5	8.3W	0 8.624	0.0011	07	-63 0 27.73	-0.007	07	0.14	8.620	14	46.5	27.70	14	46.5	K2	CO	4494	P -62 4373
4	9.2	8.4W	0 27.552	-0.0078	12	-62 41 39.48	-0.060	12	0.15	27.580	14	46.5	39.30	14	46.5	G5	CO	4495	P -62 4376
5		5.2T	0 35.917	0.0161	06	-63 50 13.24	-0.001	05	0.27	35.274	12	10.0	13.19	12	05.6	G5	GC	20242	P*-63 3493
6	9.7	9.5W	0 38.171	-0.0010	07	-60 9 38.29	-0.017	07	0.14	38.175	14	46.5	38.23	14	46.5	B8	CO	4497	P -59 5795
7	9.4	8.5W	0 39.583	-0.0047	14	-62 34 49.48	0.064	14	0.15	39.100	14	46.5	49.70	14	46.5	K0	CO	4498	P -62 4377
8	9.9	9.5W	0 42.087	-0.0003	14	-64 14 16.25	0.041	14	0.15	42.088	14	46.5	16.39	14	46.5	B9	CO	4499	P -63 3494
9		7.2T	0 44.607	-0.0008	13	-63 7 52.47	-0.017	11	0.59	44.643	21	03.9	51.68	19	03.4	A2	GC	20247	P -62 4378
10	8.8	9.0W	0 48.365	0.0014	06	-62 56 11.63	0.022	06	0.14	48.360	14	46.5	11.70	14	46.5	A0	CO	4501	P -62 4379
11	8.5	8.8W	1 1.464	0.0003	07	-60 33 21.94	-0.002	07	0.14	1.463	14	46.5	21.93	14	46.5	B8	CO	4502	P -60 5620
12	9.2	8.1W	1 16.007	0.0036	07	-60 16 21.48	-0.040	07	0.14	15.995	14	46.5	21.33	14	46.5	G5	CO	4503	P -59 5801
13	9.7	9.5W	1 16.707	0.0012	09	-60 44 35.48	0.015	09	0.14	16.703	14	46.5	35.53	14	46.5	A2	CO	4504	P -60 5621
14	9.0	9.1W	1 38.309	-0.0012	07	-60 58 44.96	-0.008	07	0.14	38.313	14	46.5	44.93	14	46.5	A0	CO	4505	P -60 5623
15	8.7	9.0W	1 46.563	0.0010	07	-63 22 50.33	-0.009	07	0.14	46.560	14	46.5	50.30	14	46.5	B9	CO	4506	P -63 3501
16		8.7T	1 59.583	0.0028	13	-63 17 51.88	-0.004	12	0.63	59.456	19	04.8	51.69	19	99.6	A2	GC	20277	P -63 3502
17	9.1	9.4W	2 3.369	0.0016	07	-60 49 38.92	0.003	07	0.14	3.363	14	46.5	38.93	14	46.5	A0	CO	4508	P -60 5628
18	8.7	9.1W	2 34.728	0.0018	07	-62 28 55.93	-0.004	07	0.14	34.722	14	46.5	55.91	14	46.5	B9	CO	4509	P -62 4387
19	9.4	7.8W	2 37.452	0.0002	05	-62 12 28.86	-0.014	05	0.14	37.452	14	46.5	28.81	14	46.5	K5	CO	4510	P -61 4825
20	9.3	9.7W	2 43.801	0.0028	07	-62 14 27.16	0.014	07	0.14	43.792	14	46.5	27.21	14	46.5	B9	CO	4511	P -61 4827
21	8.3	8.6W	3 30.249	-0.0012	06	-60 35 4.15	-0.004	06	0.14	30.253	14	46.5	4.13	14	46.5	B8	CO	4513	P -60 5634
22	8.5	8.3W	3 31.385	-0.0013	05	-62 38 1.27	-0.018	05	0.14	31.390	14	46.5	1.20	14	46.5	F5	CO	4514	P -62 4392
23	8.3	8.6W	3 36.420	-0.0053	07	-63 53 15.11	-0.003	07	0.14	36.438	14	46.5	15.09	14	46.5	A0	CO	4515	P -63 3512
24		6.0T	3 38.297	0.0024	15	-65 5 0.99	-0.014	11	0.65	38.188	22	04.9	0.34	18	02.4	K2	GC	20306	P -64 3095
25		6.7T	3 54.661	-0.0030	12	-60 56 13.22	-0.023	09	0.53	54.795	19	05.0	12.10	17	01.3	F5	GC	20312	P -60 5637
26		7.5	4 5.376	-0.0047	25	-66 17 1.94	-0.000	36	1.81	5.637	53	94.6	1.92	63	94.6		M4	3315	P -65 2982
27		8.6T	4 11.640	-0.0016	16	-64 26 53.45	-0.026	10	0.58	11.706	18	09.9	52.25	18	04.0	A2	GC	20322K	P*-64 3100
28		7.1T	4 41.964	0.0029	13	-61 26 34.20	-0.022	10	0.56	41.840	18	07.5	33.18	18	03.6	B8	GC	20331	P -61 4837
29		7.0T	4 58.521	-0.0055	13	-68 31 49.90	-0.044	11	0.66	58.798	21	99.5	47.54	19	96.6	A0	GC	20336K	P*-68 2307
30		7.2T	4 58.721	-0.0031	13	-61 41 48.22	-0.012	10	0.53	58.852	18	07.6	47.67	17	03.9	B5	GC	20337	P -61 4838
31		5.8T	5 1.476	0.0008	09	-66 53 36.86	-0.008	07	0.34	1.445	12	10.7	36.49	12	07.0	F8P	GC	20339	P -66 2725
32		8.3W	5 1.543	0.0010	06	-63 19 30.29	0.005	06	0.14	1.540	14	46.5	30.30	14	46.5	K0	CO	4519	P -63 3516
33	9.6	9.5W	5 2.616	0.0033	09	-60 22 59.75	-0.003	09	0.14	2.605	14	46.5	59.74	14	46.5	B9	CO	4520	P -60 5643
34		6.4T	5 13.878	-0.0011	11	-63 27 7.66	-0.022	09	0.51	13.929	18	08.1	6.59	17	01.2	A0P	GC	20347	P -63 3518
35	9.1	9.1W	5 16.760	0.0016	07	-60 29 25.99	-0.015	07	0.14	16.755	14	46.5	25.93	14	46.5	A2	CO	4522	P -60 5645
36	9.8	9.8W	5 30.460	0.0019	11	-60 35 59.84	-0.001	11	0.15	30.453	14	46.5	59.84	14	46.5	A0	CO	4523	P -60 5648
37	9.8	7.9W	5 36.968	0.0015	07	-61 17 48.33	-0.001	07	0.14	36.963	14	46.5	48.33	14	46.5	K5	CO	4524	P -61 4841
38	9.5	9.7W	5 37.701	0.0029	11	-61 48 22.87	-0.016	11	0.15	37.691	14	46.5	22.81	14	46.5	A0	CO	4525	P -61 4840
39	9.7	8.1W	5 46.252	0.0026	07	-60 33 1.68	-0.011	07	0.14	46.243	14	46.5	1.64	14	46.5	K2	CO	4526	P -60 5650
40		8.7	6 19.124	-0.0037	25	-66 41 7.88	-0.009	36	1.69	19.317	53	98.6	7.41	63	98.6		M4	3321	P -66 2731
41		8.2T	6 23.843	0.0008	12	-62 0 9.97	-0.002	10	0.49	23.810	17	09.1	9.88	17	06.9	A0	GC	20371	P -61 4844
42	8.9	9.1W	6 41.024	-0.0016	07	-63 5 33.52	-0.006	07	0.14	41.030	14	46.5	33.50	14	46.5	A0	CO	4528	P -62 4402
43		6.4T	6 42.593	-0.0265	12	-61 13 58.88	-0.023	10	0.53	43.766	18	05.7	57.80	17	02.9	G5	GC	20379	P -60 5656
44	9.3	9.1W	6 45.662	-0.0073	14	-64 13 29.69	-0.025	14	0.15	45.688	14	46.5	29.60	14	46.5	F8	CO	4530	P -63 3522
45	9.8	9.8W	7 1.888	0.0042	09	-60 59 43.39	0.014	09	0.14	1.873	14	46.5	43.43	14	46.5	A	CO	4532	P -60 5661
46		7.5T	7 5.647	-0.0040	13	-67 31 17.06	-0.040	12	0.65	5.841	21	01.4	15.00	19	98.1	A0	GC	20388	P -67 2780
47	8.7	8.9W	7 12.333	0.0001	07	-61 16 25.65	-0.006	07	0.14	12.333	14	46.5	25.64	14	46.5	A0	CO	4533	P -60 5662
48	9.9	10.1W	7 40.154	-0.0002	11	-60 24 6.88	-0.014	11	0.15	40.155	14	46.5	6.83	14	46.5	B9	CO	4534	P -60 5665
49		9.2	7 41.091	0.0092	25	-68 38 41.14	-0.010	36	1.59	40.649	53	02.2	40.68	63	02.2		M4	3329	P -68 2323
50	8.8	8.9W	7 49.602	0.0008	07	-63 5 54.72	-0.006	07	0.14	49.600	14	46.5	54.70	14	46.5	A2	CO	4535	P -62 4407
51		7.8T	15 8 2.335	-0.0007	13	-64 21 10.19	-0.010	11	0.61	2.367	21	04.8	9.71	19	03.2	A2	GC	20400	P -64 3115
52		6.9T	8 19.561	-0.0041	14	-62 50 44.96	-0.069	11	0.65	19.752	21	03.3	41.47	19	99.3	K2	GC	20407	P -62 4411
53	9.8	9.8W	8 34.535	-0.0001	13	-60 19 41.46	-0.007	13	0.15	34.535	14	46.5	41.43	14	46.5	A5	CO	4537	P -60 5673
54		8.9	8 36.649	-0.0107	25	-69 15 42.85	-0.022	36	1.78	37.231	53	95.5	41.65	63	95.5		M4	3335	P -68 2332
55	9.7	9.2W	8 40.167	0.0045	07	-62 28 13.25	-0.011	07	0.14	40.152	14	46.5	13.21	14	46.5	G5	CO	4538	P -62 4413
56	7.8	7.5W	8 45.227	0.0006	06	-60 12 20.38	-0.042	06	0.14	45.225	14	46.5	20.24	14	46.5	F8	CO	4540	P*-59 5852
57		8.7	8 47.531	-0.0067	25	-65 46 56.15	-0.033	36	1.66	47.876	45	98.5	54.48	63	99.9		M4	3338	P -65 3001
58		9.0	8 48.163	0.0033	25	-65 31 10.43	-0.033	36	1.38	48.050	53	09.6	9.07	63	09.6		M4	3339	P -65 3002
59		6.1T	8 55.639	-0.0005	11	-61 33 23.19	-0.011	09	0.50	55.661	18	05.2	22.67	17	02.3	K2	GC	20422	P -61 4856
60	9.4	7.7W	9 21.011	-0.0020	07	-63 42 20.09	0.002	07	0.14	21.018	14	46.5	20.09	14	46.5	M8	CO	4542	P -63 3529
61	8.7	8.4W	9 24.429	-0.0003	07	-62 45 21.88	-0.051	07	0.14	24.430	14	46.5	21.70	14	46.5	F8	CO	4543	P -62 4420
62	8.21		9 29.113	0.0017	06	-69 53 34.63	-0.011	06	0.26	29.046	10	09.7	34.13	10	04.8	NB	GC	21436DV	P*-69 2267
63	9.2	9.4W	9 50.977	0.0005	13	-60 17 57.96	0.022	13	0.15	50.975	14	46.5	58.04	14	46.5	A0	CO	4545	P -60 5681
64		6.5T	9 54.954	-0.0011	09	-61 9 22.12	-0.013	07	0.44	55.005	18	02.5	21.44	17	97.2	B3	GC	20445	P*-60 5680
65		9.3	10 18.467	-0.0008	25	-68 34 41.03	0.002	36	1.72	18.507	53	97.6	41.16	63	97.6		M4	3342	P -68 2347
66	8.7	7.8W	10 20.278	0.0052	06	-63 26 40.24	0.016	06	0.14	20.260	14	46.5	40.30	14	46.5	K0	CO	4547	P -63 3536
67	8.9	8.7W	10 29.700	0.0001	07	-62 34 46.49	0.004	07	0.14	29.700	14	46.5	46.50	14	46.5	B8	CO	4548	P -62 4423
68		8.3	10 30.236	-0.0187	25	-66 42 25.16	-0.073	36	1.77	31.250	53	95.9	21.23	63	95.9		M4	3344	P -66 2741
69	9.7	9.9W	10 51.836	0.0008	09	-61 9 56.41	0.005	09	0.14	51.833	14	46.5	56.43	14	46.5	A0	CO	4549	P -60 5687
70	10.0		10 58.684	0.0030	13	-61 14 28.81	0.007	13	0.15	58.673	14	46.5	28.84	14	46.5	A2	CO	4550	P -60 5688
71	10.1	10.2W	10 59.511	-0.0031	11	-62 7 41.42	-0.030	11	0.15	59.522	14	46.5	41.31	14	46.5	A2	CO	4551	P -61 4865
72	9.3	9.3W	11 4.213	-0.0043	14	-63 57 26.66	-0.011	14	0.15	4.228	14	46.5	26.69	14	46.5	B9	CO	4552	P -63 3538
73	8.4	8.4W	11 18.785	-0.0129	07	-63 7 54.14	-0.041	07	0.14	18.830	14	46.5	54.00	14	46.5	F0	CO	4553	P -62 4425
74		9.0	11 22.911	-0.0118	25	-69 33 55.60	-0.001	36	1.47	23.423	53	06.5	55.55	63	06.5		M4	3347	P -69 2283
75	9.1	9.4W	11 39.314	-0.0020	09	-61 35 31.32	-0.002	09	0.14	39.321	14	46.5	31.31	14	46.5	A0	CO	4554	P -61 4868
76	9.5	7.9W	11 44.532	0.0021	06	-60 2 48.63	0.003	06	0.14	44.525	14	46.5	48.64	14	46.5	K2	CO	4555	P -59 5871
77		8.6	11 54.912	-0.0107	25	-67 41 38.58	-0.052	36	1.78	55.494	53	95.6	35.76	63	95.6		M4	3349	P -67 2809
78	9.6	9.6W	11 57.265	0.0038	09	-62 11 25.92	-0.003	09	0.14	57.252	14	46.5	25.91	14	46.5	A3	CO	4556	P -61 4872
79		7.6T	12 12.224	0.0002	10	-62 10 44.38	-0.010	08	0.49	12.214	18	03.1	43.88	17	99.7	B9	GC	20490	P -61 4875
80	9.4	9.4W	12 14.419	0.0024	12	-61 51 8.17	-0.018	12	0.15	14.401	14	46.5	8.11	14	46.5	A2	CO	4558	P -61 4877
81	7.7	8.3W	12 31.455	0.0014	07	-63 9 52.39	-0.026	07	0.14	31.450	14	46.5	52.30	14	46.5	B8	CO	4559	P -62 4431
82		6.0T	12 33.055	-0.0026	07	-60 43 11.87	-0.003	05	0.27	33.155	12	11.5	11.75	12	06.7	B1	GC	20497K	P*-60 5698
83		7.1T	12 47.091	0.0029	14	-65 54 31.29	-0.007	11	0.61	46.962	19	05.2	30.93	18	01.2	B9	GC	20504	P -65 3013
84		5.2T	12 52.996	-0.0017	07	-60 46 24.98	-0.012	06	0.29	53.062	14	10.9	24.45	12	05.7	OE5	GC	20507K	P*-60 5701
85	7.6	8.1W	12 55.443	0.0001	06	-60 56 12.74	-0.001	06	0.14	55.443	14	46.5	12.73	14	46.5	B8	CO	4562	P -60 5703
86	9.0	9.3W	13 22.874	0.0004	06	-60 49 27.92	0.003	06	0.14	22.873	14	46.5	27.93	14	46.5	B9	CO	4564	P -60 5709
87	9.9	10.1W	13 23.068	0.0042	10	-61 20 35.53	0.029	10	0.14	23.053	14	46.5	35.63	14	46.5	A2	CO	4565	P -61 4879
88		4.8T	13 24.052	0.0009	07	-63 25 39.01	0.006	05	0.27	24.018	10	12.3	39.27	10	07.5	K0	GC	20519	P*-63 3544
89	9.0	9.0W	13 27.868	0.0009	07	-60 5 56.13	-0.027	07	0.14	27.864	14	46.5	56.03	14	46.5	A2	CO	4567	P -59 5882
90	8.5	8.9W	13 37.127	-0.0008	07	-63 12 20.95	-0.013	07	0.14	37.130	14	46.5	20.90	14	46.5	A0	CO	4568	P -62 4436
91	8.9	9.1W	13 43.935	0.0015	13	-62 45 5.18	0.006	13	0.15	43.930	14	46.5	5.20	14	46.5	B9	CO	4569	P -62 4438
92		8.6T	13 47.129	-0.0013	14	-66 16 40.83	-0.013	12	0.62	47.187	21	05.6	40.21	19	03.5	B9	GC	20529	P*-65 3020
93		7.8	14 0.342	-0.0127	25	-65 25 16.32	-0.051	36	1.69	0.993	53	98.6	13.72	63	98.6		M4	3358	P -65 3025
94	9.9		14 1.751	0.0028	13	-62 1 9.70	0.003	13	0.15	1.742	14	46.5	9.71	14	46.5	A0	CO	4570	P -61 4884
95	9.3	8.3W	14 6.349	0.0050	07	-62 11 57.50	-0.024	07	0.14	6.332	14	46.5	57.41	14	46.5	K0	CO	4572	P -61 4885
96	8.7	9.0W	14 11.509	-0.0059	14	-60 10 54.21	0.027	14	0.15	11.535	14	45.6	54.33	14	45.6	B9	CO	4789	P*-59 5889
97		3.1H	14 12.588	-0.0110	02	-68 29 48.82	-0.031	02	0.10	13.028	05	10.0	47.62	05	11.8	A0	F4	560	P -68 2383
98	10.1	9.9W	14 16.439	0.0022	14	-61 41 59.70	0.002	14	0.15	16.431	14	46.5	59.71	14	46.5	A2	CO	4574	P -61 4889
99		8.3	14 22.897	-0.0057	25	-66 49 59.32	-0.019	36	1.67	23.191	45	98.6	58.31	53	98.6		M4	3359	P -66 2748
00	10.0	10.0W	14 23.052	0.0031	14	-61 34 30.20	0.005	14	0.15	23.041	14	46.5	30.21	14	46.5	A3	CO	4575	P -61 4890

253100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001"	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001"	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01"	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01"	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 15H DM NUMBER
1		5.5T	15 14 46.218	-0.0028	08	-60 18 51.68	-0.005	06	0.30	46.322	12	12.2	51.47	12	07.5	QE5	GC	20549K	P*-60 5720
2		8.8	14 46.736	0.0003	25	-66 55 5.46	0.015	36	1.52	46.723	45	03.3	6.13	53	03.3		M4	3360	P -66 2750
3	10.0	9.9W	14 50.879	-0.0027	12	-63 46 36.38	0.061	12	0.15	50.888	14	46.5	36.59	14	46.5	F0	CO	4577	P -63 3553
4	9.4	9.6W	14 54.164	-0.0046	14	-62 57 40.75	0.016	14	0.15	54.180	14	46.5	40.80	14	46.5	A0	CO	4578	P -62 4443
5	9.7	9.8W	15 10.112	-0.0002	13	-60 55 16.32	0.003	13	0.15	10.113	14	46.5	16.33	14	46.5	A0	CO	4579	P -60 5728
6	9.8	8.9W	15 10.956	-0.0039	07	-62 36 30.11	-0.003	07	0.14	10.970	14	46.5	30.10	14	46.5	G5	CO	4580	P -62 4445
7	7.11		15 15.872	-0.0003	11	-66 18 53.37	-0.022	10	0.57	15.887	19	99.7	52.16	18	95.7	G0V	GC	20561X	P*-66 2753
8		9.0	15 18.471	-0.0037	33	-69 23 58.64	-0.033	43	2.31	18.683	75	92.5	56.74	57	92.5		M3	1926	
9	7.6	8.0W	15 19.526	0.0004	07	-60 11 37.01	-0.021	07	0.14	19.525	14	46.5	36.94	14	46.5	B8	CO	4581	P*-59 5903
10	9.9	10.0W	15 31.323	0.0001	10	-60 39 5.70	0.009	10	0.14	31.323	14	46.5	5.74	14	46.5	B9	CO	4582	P -60 5732
11		9.1T	15 32.166	-0.0037	14	-66 22 21.52	-0.020	12	0.64	32.333	22	05.1	20.54	21	02.0	A3	GC	20562	P -66 2755
12	9.4	9.8W	15 48.692	-0.0002	09	-60 52 6.87	0.018	09	0.14	48.693	14	46.5	6.93	14	46.5	B8	CO	4583	P -60 5734
13	7.6	8.1W	15 50.691	0.0019	07	-60 22 48.16	-0.008	07	0.14	50.685	14	46.5	48.14	14	46.5	B5	CO	4584	P -60 5736
14	8.2	8.4W	15 59.784	0.0006	07	-62 0 18.31	-0.029	07	0.14	59.782	14	46.5	18.21	14	46.5	B9	CO	4585	P -61 4897
15		6.5T	16 4.765	0.0011	12	-67 18 2.86	-0.013	11	0.63	4.707	18	96.8	2.11	17	94.3	B5	GC	20573K	P*-67 2836
16		8.2	16 16.745	0.0093	25	-69 48 27.17	0.037	36	1.55	16.315	53	03.5	28.89	63	03.5		M4	3366	P -69 2315
17	9.8	8.8W	16 17.213	-0.0025	07	-61 55 24.57	-0.017	07	0.14	17.221	14	46.5	24.51	14	46.5	K0	CO	4586	P -61 4900
18	9.4	9.7W	16 36.996	0.0003	14	-60 7 4.78	0.015	14	0.15	36.994	14	46.5	4.83	14	46.5	A0	CO	4587	P -59 5918
19	9.9	10.0W	16 38.025	0.0009	13	-61 51 59.39	-0.022	13	0.15	38.021	14	46.5	59.31	14	46.5	A0	CO	4588	P -61 4904
20	9.7	8.7W	16 43.407	0.0015	07	-62 18 55.14	-0.006	07	0.14	43.402	14	46.5	55.11	14	46.5	K0	CO	4589	P -62 4454
21	9.9	10.1W	16 46.184	0.0007	13	-62 10 24.31	-0.001	13	0.15	46.182	14	46.5	24.31	14	46.5	B8	CO	4590	P -61 4905
22		8.6	17 2.156	0.0073	25	-68 28 26.55	-0.012	36	1.59	1.806	53	02.2	27.13	63	02.2		M4	3369	P -68 2404
23	10.0	8.4W	17 24.705	0.0006	07	-60 42 36.67	-0.010	07	0.14	24.703	14	46.5	36.64	14	46.5	K5	CO	4591	P -60 5749
24	9.0	9.1W	17 51.924	-0.0014	07	-64 11 6.08	0.003	07	0.14	51.928	14	46.5	6.09	14	46.5	B9	CO	4593	P -63 3563
25		8.5	17 54.415	-0.0097	25	-66 25 11.64	-0.037	36	1.47	54.837	53	06.5	10.02	63	06.5		M4	3372	P -66 2764
26		7.1T	18 2.973	-0.0071	15	-66 1 57.37	-0.040	11	0.67	3.301	21	03.9	55.30	19	98.7	A0	GC	20617	P*-65 3038
27	9.0	8.6W	18 7.491	-0.0019	13	-63 56 57.99	0.030	13	0.15	7.498	14	46.5	58.09	14	46.5	G5	CO	4594	P -63 3565
28	8.8	9.0W	18 8.028	0.0013	07	-61 15 49.00	-0.020	07	0.14	8.023	14	46.5	48.93	14	46.5	B8	CO	4595	P -60 5754
29	10.1	9.8W	18 10.784	0.0003	09	-60 44 46.59	0.012	09	0.14	10.783	14	46.5	46.64	14	46.5	F5	CO	4596	P -60 5755
30	9.7	9.8W	18 14.699	-0.0003	13	-63 2 33.78	0.006	13	0.15	14.700	14	46.5	33.80	14	46.5	A0	CO	4597	P -62 4460
31		9.1	18 37.373	-0.0047	25	-69 7 26.80	-0.005	36	1.72	37.619	53	97.5	26.53	63	97.5		M4	3374	P -68 2412
32	8.6	8.9W	18 39.464	0.0008	07	-61 38 41.22	-0.002	07	0.14	39.461	14	46.5	41.21	14	46.5	B8	CO	4598	P -61 4915
33	8.7	8.9W	18 39.665	0.0004	07	-61 7 2.41	-0.022	07	0.14	39.663	14	46.5	2.33	14	46.5	B8	CO	4599	P -60 5757
34	7.7	8.2W	18 43.479	0.0011	07	-60 10 45.77	-0.010	07	0.14	43.475	14	46.5	45.74	14	46.5	A0	CO	4601	P*-59 5935
35	9.6	9.7W	19 2.278	-0.0030	12	-63 46 6.45	0.014	12	0.15	2.288	14	46.5	6.49	14	46.5	A0	CO	4602	P -63 3572
36		5.6T	19 6.155	-0.0113	09	-60 28 43.79	-0.022	06	0.32	6.574	12	12.7	42.85	12	07.2	F5	GC	20654	P -60 5760
37	8.1	8.5W	19 17.292	-0.0009	07	-60 3 45.30	-0.019	07	0.14	17.295	14	46.5	45.24	14	46.5	B5	CO	4604	P -59 5941
38	10.0	10.0W	19 28.653	0.0002	14	-62 20 6.66	0.015	14	0.15	28.652	14	46.5	6.71	14	46.5	B9	CO	4605	P -62 4467
39	9.3	9.4W	19 32.116	0.0004	13	-60 21 26.38	-0.013	13	0.15	32.115	14	46.5	26.34	14	46.5	A0	CO	4606	P*-60 5762
40		9.2	19 32.537	0.0062	25	-67 30 29.03	-0.080	36	1.67	32.224	53	99.4	24.96	63	99.4		M4	3377	P -67 2854
41	10.2		19 44.850	-0.0008	09	-60 39 27.39	-0.017	09	0.14	44.853	14	46.5	27.33	14	46.5	A0	CO	4607	P -60 5763
42	9.9	10.2W	19 56.429	-0.0035	11	-61 54 28.54	-0.008	11	0.15	56.441	14	46.5	28.51	14	46.5	A0	CO	4608	P -61 4925
43	9.5	9.3W	19 58.172	0.0001	07	-62 29 59.94	-0.007	07	0.14	58.172	14	46.5	59.91	14	46.5	QBF	CO	4609	P -62 4470
44	9.9	9.0W	19 59.565	-0.0042	14	-62 50 47.53	-0.008	14	0.15	59.580	14	46.5	47.50	14	46.5	K0	CO	4610	P -62 4469
45		8.8	20 16.340	-0.0017	25	-65 41 46.34	-0.036	36	1.77	16.432	53	95.8	44.37	63	95.8		M4	3380	P -65 3048
46	9.7	9.9W	20 23.089	-0.0061	12	-63 27 25.43	0.020	12	0.15	23.110	14	46.5	25.50	14	46.5	B0	CO	4611	P -63 3580
47	8.8	9.1W	20 26.854	0.0007	07	-61 34 40.77	-0.017	07	0.14	26.851	14	46.5	40.71	14	46.5	B9	CO	4612	P -61 4930
48		7.0	20 39.958	0.0052	25	-68 31 1.19	-0.026	36	1.77	39.674	53	95.9	-59.80	63	95.9		M4	3381	P -68 2430
49	8.0	8.3W	20 48.913	0.0004	07	-61 46 6.47	-0.016	07	0.14	48.911	14	46.5	6.41	14	46.5	B5	CO	4614	P -61 4936
50	9.2	9.1W	20 55.059	-0.0044	07	-60 4 56.98	-0.011	07	0.14	55.075	14	46.5	56.94	14	46.5	A3	CO	4615	P -59 5966
51	9.9	8.8W	20 58.100	-0.0003	07	-61 32 57.77	-0.018	07	0.14	58.101	14	46.5	57.71	14	46.5	K2	CO	4616	P -61 4937
52	10.0	8.8W	21 1.545	0.0010	07	-62 25 21.66	-0.013	07	0.14	1.542	14	46.5	21.61	14	46.5	K2	CO	4617	P -62 4473
53	9.0	9.2W	21 4.232	-0.0003	07	-61 13 55.03	-0.026	07	0.14	4.233	14	46.5	54.93	14	46.5	B8	CO	4618	P -60 5773
54	9.8	9.8W	21 18.427	0.0035	14	-60 14 20.19	-0.016	14	0.15	18.415	14	46.5	20.13	14	46.5	A0	CO	4619	P -59 5972
55		6.0T	21 29.952	0.0234	09	-68 8 1.93	0.005	06	0.36	28.959	12	07.6	2.18	12	03.9	K0	GC	20700	P -67 2864
56	9.6	9.7W	21 33.739	-0.0015	09	-60 4 23.23	0.002	09	0.14	33.745	14	46.5	23.23	14	46.5	A0	CO	4620	P -59 5974
57	9.8	9.8W	21 36.062	0.0034	13	-63 3 29.40	0.030	13	0.15	36.050	14	46.5	29.50	14	46.5	F0	CO	4621	P -62 4475
58	10.0	8.8W	21 47.712	0.0002	07	-62 13 12.19	-0.021	07	0.14	47.712	14	46.5	12.11	14	46.5	K0	CO	4622	P -61 4939
59	8.8	9.0W	21 49.326	-0.0011	07	-63 15 5.79	0.004	07	0.14	49.330	14	46.5	5.80	14	46.5	B8	CO	4623	P -62 4477
60	8.9	9.1W	21 59.394	0.0002	09	-61 7 19.24	-0.001	09	0.14	59.393	14	46.5	19.23	14	46.5	B9	CO	4624	P -60 5778
61	8.1	8.5W	22 8.906	-0.0006	07	-64 2 15.29	0.002	07	0.14	8.908	14	46.5	15.29	14	46.5	B8	CO	4625	P -63 3586
62		9.0T	22 20.345	0.0001	17	-65 47 6.17	-0.028	12	0.71	20.341	22	06.3	4.82	21	02.2	A0	GC	20719	P -65 3057
63	10.3		22 31.155	0.0040	09	-62 12 40.68	-0.020	09	0.14	31.142	14	46.5	40.61	14	46.5	A0	CO	4626	P -61 4942
64	10.0		22 35.091	-0.0001	09	-62 4 27.03	-0.005	09	0.14	35.092	14	46.5	27.01	14	46.5	A0	CO	4627	P -61 4943
65	9.7	8.4W	22 36.633	0.0034	07	-61 31 43.05	-0.010	07	0.14	36.621	14	46.5	43.01	14	46.5	K2	CO	4628	P -61 4945
66	9.8	9.9W	22 37.719	0.0022	09	-61 52 5.31	-0.028	09	0.14	37.711	14	46.5	5.21	14	46.5	A0	CO	4629	P -61 4944
67	10.0	8.9W	22 38.525	0.0001	12	-60 26 23.99	0.013	12	0.15	38.525	14	46.5	24.03	14	46.5	K0	CO	4630	P -60 5782
68	7.5	7.9W	22 40.658	-0.0004	07	-62 35 27.77	-0.018	07	0.14	40.660	14	46.5	27.70	14	46.5	A0	CO	4631	P -62 4481
69	9.3	8.9W	22 41.117	-0.0023	07	-60 7 16.53	-0.026	07	0.14	41.125	14	46.5	16.43	14	46.5	F0	CO	4632	P -59 5984
70	8.8	8.6W	22 44.706	-0.0006	07	-64 9 19.74	0.044	07	0.14	44.708	14	46.5	19.89	14	46.5	F0	CO	4633	P -63 3591
71	9.3	9.4W	22 48.181	-0.0005	13	-61 5 0.43	0.000	13	0.15	48.183	14	46.5	0.43	14	46.5	A0	CO	4634	P -60 5784
72		7.0T	22 56.204	0.0032	14	-65 56 51.08	-0.048	12	0.66	56.051	19	02.3	48.65	18	99.6	B9	GC	20731	P*-65 3059
73	9.1	9.2W	22 59.630	0.0016	07	-60 16 13.92	0.003	07	0.14	59.625	14	46.5	13.93	14	46.5	B8	CO	4635	P -60 5786
74		5.7T	23 10.227	-0.0040	11	-64 21 26.58	-0.028	09	0.40	10.379	12	12.2	25.42	12	08.9	K5	GC	20733	P -64 3178
75	8.0	7.2W	23 30.115	-0.0099	07	-62 50 47.61	-0.059	07	0.14	30.150	14	46.5	47.40	14	46.5	G5	CO	4636	P -62 4482
76	9.5	8.7W	23 58.447	0.0015	06	-62 14 16.04	-0.038	06	0.14	58.442	14	46.5	15.91	14	46.5	K0	CO	4637	P -61 4954
77	9.3	9.4W	24 22.996	-0.0024	07	-60 5 8.87	0.019	07	0.14	23.004	14	46.5	8.94	14	46.5	A0	CO	4638	P -59 6012
78	9.2	9.5W	24 40.255	0.0034	09	-60 32 6.74	-0.003	09	0.14	40.243	14	46.5	6.74	14	46.5	B9	CO	4639	P -60 5810
79		6.9T	24 45.352	-0.0024	13	-65 43 3.21	-0.057	10	0.60	45.464	19	03.5	0.40	18	01.0	K2	GC	20765	P -65 3069
80	8.8	9.1W	24 46.273	0.0029	07	-61 15 25.86	-0.008	07	0.14	46.263	14	46.5	25.84	14	46.5	B9	CO	4640	P -60 5811
81	9.3	9.4W	24 46.864	0.0004	11	-60 37 42.74	-0.003	11	0.15	46.863	14	46.5	42.73	14	46.5	B	CO	4641	P -60 5814
82	8.5	8.6W	24 51.963	0.0027	06	-61 25 45.49	-0.015	06	0.14	51.953	14	46.5	45.43	14	46.5	A2	CO	4642	P -61 4967
83		7.4T	25 11.578	-0.0011	12	-67 18 47.23	-0.032	11	0.64	11.635	22	98.9	45.52	21	95.7	B8	GC	20776	P -67 2885
84	10.0	8.6W	25 30.848	0.0051	13	-63 5 43.71	0.026	13	0.15	30.830	14	46.5	43.80	14	46.5	K5	CO	4644	P -62 4517
85	9.6	8.2W	25 50.539	-0.0007	07	-61 37 28.53	-0.034	07	0.14	50.541	14	46.5	28.41	14	46.5	K2	CO	4645	P -61 4978
86	9.5	9.6W	25 52.585	0.0014	13	-62 43 58.71	0.054	13	0.15	52.580	14	46.5	58.90	14	46.5	B9	CO	4646	P -62 4530
87		9.3T	26 5.002	-0.0007	16	-66 13 5.01	-0.042	15	0.72	5.033	22	06.1	3.10	21	04.9	B9	GC	20803	P -65 3072
88		8.5T	26 5.159	-0.0014	14	-60 19 10.55	-0.026	10	0.53	5.210	17	11.8	9.44	18	07.1	B9	GC	20804	P*-60 5839
89		8.0	26 5.598	0.0023	25	-67 28 6.00	-0.007	36	1.45	5.500	53	06.9	5.71	63	06.9		M4	3403	P -67 2893
90		8.3	26 21.407	-0.0148	25	-69 39 54.75	-0.034	36	1.47	22.049	53	06.5	53.28	63	06.5		M4	3404	P -69 2377
91	9.1	8.3W	26 43.429	0.0023	07	-61 30 41.56	-0.043	07	0.14	43.421	14	46.5	41.41	14	46.5	G5	CO	4648	P -61 4995
92		7.4T	26 45.368	-0.0017	12	-65 46 22.17	-0.011	10	0.58	45.451	18	01.8	21.59	18	98.3	B9	GC	20815	P -65 3076
93	9.9	9.8W	26 52.980	-0.0166	14	-63 36 43.51	-0.006	14	0.15	53.038	14	46.5	43.49	14	46.5	A0	CO	4649	P -63 3608
94	9.4	8.8W	27 12.761	-0.0012	07	-60 29 3.81	0.007	07	0.14	12.765	14	46.5	3.84	14	46.5	F2	CO	4650	P -60 5851
95	9.6	7.9W	27 15.923	-0.0029	06	-60 42 22.72	-0.053	06	0.14	15.933	14	46.5	22.53	14	46.5	MA	CO	4651	P -60 5853
96	10.0	10.1W	27 27.808	-0.0061	14	-62 53 46.47	0.010	14	0.15	27.830	14	46.5	46.50	14	46.5	A3	CO	4652	P -62 4559
97		8.7	27 40.289	0.0023	25	-66 27 23.65	-0.018	36	1.41	40.194	53	08.5	22.89	63	08.5		M4	3411	P -66 2785
98		8.6	27 41.299	-0.0067	25	-67 57 39.54	-0.035	36	1.61	41.623	53	01.6	37.86	63	01.6		M4	3410	P -67 2901
99		9.4T	27 50.655	-0.0012	22	-67 14 4.84	0.004	16	0.90	50.708	24	06.7	5.01	22	02.4	A3	GC	20841	P -66 2786
00	8.8	8.9W	28 1.685	0.0033	07	-60 39 16.05	-0.034	07	0.14	1.673	14	46.5	15.93	14	46.5	A0	CO	4653	P -60 5862

253200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-600 15H DM NUMBER
1	9.9	9.9W	15 28 9.425	-0.0048	14	-62 25 24.50	-0.003	14	0.15	9.442	14	46.5	24.51	14	46.5	B9	C0	4654	P -62 4574
2	8.9	9.1W	28 14.373	0.0004	07	-61 47 20.44	-0.008	07	0.14	14.371	14	46.5	20.41	14	46.5	B9	C0	4655	P -61 5022
3	9.9	10.0W	28 18.060	0.0044	12	-60 21 57.14	-0.028	12	0.15	18.045	14	46.5	57.23	14	46.5	B8	C0	4656	P -60 5868
4	9.7	8.3W	28 45.576	0.0009	07	-61 27 10.63	-0.027	07	0.14	45.573	14	46.5	10.53	14	46.5	K5	C0	4657	P -61 5029
5		8.1T	28 53.314	-0.0003	12	-67 10 13.17	-0.005	12	0.67	53.330	22	98.9	12.93	21	96.3	A3	GC	20862	P -66 2789
6	9.0	9.3W	29 2.262	-0.0003	09	-60 44 26.84	-0.001	09	0.14	2.263	14	46.5	26.83	14	46.5	B9	C0	4658	P -60 5874
7		7.0T	29 16.768	-0.0073	13	-61 6 16.70	-0.031	09	0.57	17.095	19	05.1	15.18	17	00.7	A2	GC	20869	P -60 5875
8	9.7	9.9W	29 18.386	0.0043	11	-61 47 2.78	-0.018	11	0.15	18.371	14	46.5	2.71	14	46.5	B9	C0	4660	P -61 5042
9	8.7	9.0W	29 24.592	0.0001	07	-61 40 47.98	-0.020	07	0.14	24.591	14	46.5	47.91	14	46.5	B9	C0	4661	P -61 5046
10		8.4	29 24.684	-0.0067	25	-66 45 59.09	0.002	36	1.76	25.043	53	96.5	59.22	63	96.5		M4	3414	P -66 2792
11	9.6	9.9W	29 37.627	-0.0012	09	-61 38 14.47	-0.015	09	0.14	37.631	14	46.5	14.41	14	46.5	A0	C0	4662	P -61 5053
12	9.8	9.9W	29 38.259	0.0002	13	-64 12 48.15	-0.014	13	0.15	38.258	14	46.5	48.19	14	46.5	A2	C0	4663	P -63 3617
13		7.8T	29 39.226	0.0001	11	-61 54 52.87	-0.004	10	0.51	39.221	18	06.7	52.68	18	02.9	A0	GC	20876	P -61 5052
14		7.6T	29 58.791	0.0003	12	-68 43 19.72	-0.016	09	0.59	58.775	21	00.2	18.12	18	94.1	M0	GC	20882	P -68 2493
15		7.4T	30 5.627	-0.0033	14	-60 38 24.38	-0.051	11	0.57	5.764	18	08.7	22.10	17	05.2	B9	GC	20888	P -60 5885
16		8.8	30 5.895	0.0017	25	-64 56 11.22	-0.061	36	1.81	5.803	53	94.5	7.81	63	94.5		M4	3418	P -64 3205
17	9.6	8.7W	31 19.779	-0.0018	07	-62 53 46.25	-0.044	07	0.14	19.786	14	46.5	46.10	14	46.5	K0	C0	4666	P -62 4622
18	9.8	8.9W	31 28.305	-0.0009	07	-60 34 37.63	-0.001	07	0.14	28.308	14	46.5	37.62	14	46.5	G5	C0	4667	P -60 5908
19	9.6	10.0W	31 39.370	0.0041	14	-63 5 4.76	-0.011	14	0.15	39.356	14	46.5	4.80	14	46.5	A0	C0	4668	P -62 4624
20	8.6	8.7W	31 42.587	-0.0000	06	-61 49 7.77	-0.020	06	0.14	42.587	14	46.5	7.70	14	46.5	A2	C0	4669	P -61 5081
21		7.2T	31 43.216	-0.0062	15	-64 56 53.96	-0.047	10	0.64	43.496	21	04.7	51.56	19	98.5	B9	GC	20922K	P*-64 3213
22		6.5T	31 46.385	-0.0134	13	-65 26 48.67	-0.066	11	0.63	47.028	19	02.1	45.25	18	98.0	F0	GC	20925	P -65 3100
23		6.7T	31 51.054	0.0049	13	-66 22 50.19	-0.007	11	0.61	50.829	21	04.3	49.83	19	01.8	K2	GC	20927	P*-66 2796
24	10.0	9.8W	32 2.568	0.0026	12	-61 23 25.28	-0.017	12	0.15	2.559	14	46.5	25.22	14	46.5	A0	C0	4670	P -61 5082
25		8.5	32 3.205	-0.0004	25	-69 6 45.12	0.008	36	1.72	3.228	53	97.5	45.53	63	97.5		M4	3422	P -68 2513
26		4.1H	32 7.105	0.0048	03	-66 9 4.08	-0.065	02	0.11	6.926	06	12.7	1.72	05	13.8	K0	F4	574	P -65 3102
27	10.1	10.1W	32 15.508	-0.0022	13	-62 49 46.72	-0.022	13	0.15	15.516	14	46.5	46.80	14	46.5	A2	C0	4671	P -62 4642
28	9.3	9.2W	32 16.828	0.0030	10	-61 30 49.25	-0.014	10	0.14	16.817	14	46.5	49.30	14	46.5	A5	C0	4672	P -61 5084
29	9.9	9.6W	32 23.016	-0.0004	07	-62 20 6.86	-0.018	07	0.14	23.018	14	46.5	6.80	14	46.5	F0	C0	4673	P -62 4647
30	8.7	9.0W	32 31.411	0.0003	09	-60 23 6.33	-0.003	09	0.14	31.411	14	46.5	6.32	14	46.5	B3	C0	4674	P -60 5926
31	8.5	8.7W	32 31.475	0.0021	06	-62 21 22.32	-0.006	06	0.14	31.468	14	46.5	22.30	14	46.5	B9	C0	4675	P -62 4652
32	9.7	8.8W	32 36.966	-0.0008	06	-60 40 56.77	-0.013	06	0.14	36.968	14	46.5	56.72	14	46.5	K0	C0	4676	P -60 5928
33	9.5	9.2W	32 46.747	-0.0052	14	-62 52 20.51	-0.007	14	0.15	46.766	14	46.5	20.49	14	46.5	F5	C0	4677	P -62 4658
34	9.2	8.9W	33 1.807	0.0028	06	-61 50 42.01	-0.030	06	0.14	1.797	14	46.5	41.90	14	46.5	F8	C0	4678	P -61 5096
35		8.6	33 7.471	-0.0033	25	-65 1 20.17	0.023	36	1.81	7.655	53	94.6	21.44	63	94.6		M4	3427	P -64 3221
36		7.6T	33 16.597	-0.0001	13	-62 31 1.51	-0.007	11	0.60	16.603	21	04.0	1.19	19	03.5	A0	GC	20961	P -62 4665
37	9.5	9.6W	33 45.788	0.0034	13	-62 51 31.53	0.046	13	0.15	45.776	14	46.5	31.69	14	46.5	B9	C0	4680	P -62 4676
38	8.5	8.9W	34 14.011	-0.0016	07	-63 29 44.69	-0.028	07	0.14	14.016	14	46.5	44.59	14	46.5	B9	C0	4681	P -63 3628
39	9.8	8.5W	34 29.812	-0.0016	06	-61 39 50.89	-0.026	06	0.14	29.817	14	46.5	50.80	14	46.5	K5	C0	4682	P -61 5118
40	9.2	9.4W	34 41.736	-0.0057	07	-62 53 36.53	-0.010	07	0.14	41.756	14	46.5	36.49	14	46.5	A0	C0	4683	P -62 4692
41	10.5	10.1W	34 46.385	0.0022	11	-61 58 45.07	-0.075	11	0.15	46.377	14	46.5	44.80	14	46.5	F8	C0	4684	P -61 5121
42	8.9	8.9W	34 48.172	0.0053	07	-63 32 17.92	-0.009	07	0.14	48.154	14	46.5	17.86	14	46.5	A5	C0	4685	P -63 3631
43	8.7	8.9W	35 13.663	-0.0008	07	-62 52 39.15	-0.045	07	0.14	13.666	14	46.5	38.99	14	46.5	A0	C0	4686	P -62 4706
44		8.3	35 29.583	0.0027	25	-65 29 59.39	-0.021	36	1.45	29.465	45	05.9	58.48	53	05.9		M4	3435	P -65 3116
45	9.9	9.9W	35 38.103	0.0018	09	-61 38 10.41	-0.029	09	0.14	38.097	14	46.5	10.30	14	46.5	A0	C0	4687	P -61 5133
46	10.1	9.2W	35 54.481	-0.0014	12	-63 12 58.94	0.015	12	0.15	54.486	14	46.5	58.99	14	46.5	K0	C0	4688	P -62 4715
47		8.8	35 59.230	0.0136	25	-65 2 15.77	0.037	36	1.79	58.475	53	94.6	17.80	53	94.6		M4	3438	P -64 3236
48	7.6	8.1W	36 4.467	-0.0017	07	-63 40 34.91	-0.006	07	0.14	4.474	14	46.0	34.88	14	46.0	A0	C0	4689	P -63 3636
49		7.6T	36 35.118	-0.0010	13	-63 2 0.41	-0.001	09	0.53	35.162	19	07.5	0.37	18	03.1	B8	GC	21043	P -62 4734
50	9.0	9.3W	36 36.398	0.0004	06	-61 34 3.16	-0.015	06	0.14	36.397	14	46.0	3.11	14	46.0	B9	C0	4691	P -61 5146
51		8.7	15 36 43.615	-0.0004	25	-67 25 44.52	-0.034	36	1.61	43.632	53	01.5	42.89	63	01.5		M4	3439	P -67 2932
52	9.6	7.7W	36 44.945	0.0015	07	-60 58 48.12	-0.025	07	0.14	44.938	14	46.0	48.02	14	46.0	K5	C0	4692	P -60 5991
53		9.0	36 51.119	-0.0034	25	-66 25 48.58	-0.044	36	1.70	51.291	53	98.5	46.29	63	98.5		M4	3440	P -66 2812
54		7.2T	36 54.878	-0.0009	15	-64 54 25.75	-0.031	08	0.63	54.916	21	03.3	24.06	18	94.9	F0	GC	21049	P -64 3243
55	10.1	10.0W	37 13.036	0.0026	07	-62 56 26.27	0.032	07	0.14	13.025	14	46.0	26.40	14	46.0	A2	C0	4693	P -62 4746
56	8.6	8.9W	37 22.417	0.0025	05	-62 14 25.86	-0.015	05	0.14	22.407	14	46.0	25.80	14	46.0	B9	C0	4694	P -61 5157
57	9.5	9.3W	37 23.251	-0.0057	15	-63 42 33.16	0.006	15	0.15	23.274	14	46.0	33.18	14	46.0	A2	C0	4695	P -63 3640
58	8.3	8.7W	37 32.734	0.0002	07	-64 8 22.92	0.016	07	0.14	32.734	14	46.0	22.98	14	46.0	B9	C0	4696	P -63 3642
59		6.6T	37 35.381	0.0013	13	-64 1 13.75	-0.018	11	0.53	35.329	18	09.0	12.93	17	04.9	K2	GC	21068	P -63 3643
60	10.3	10.1W	38 8.851	0.0011	07	-62 17 23.25	-0.012	07	0.14	8.847	14	46.0	23.20	14	46.0	A5	C0	4698	P -62 4759
61	9.5	9.1W	38 35.202	0.0013	07	-61 37 5.80	0.026	07	0.14	35.197	14	46.0	5.90	14	46.0	F8	C0	4699	P -61 5173
62	8.6	8.9W	38 41.567	-0.0017	07	-63 59 16.49	0.024	07	0.14	41.574	14	46.0	16.58	14	46.0	B9	C0	4700	P -63 3649
63	9.7	9.2W	38 42.460	-0.0043	06	-61 35 22.49	-0.048	06	0.14	42.477	14	46.0	22.30	14	46.0	F8	C0	4701	P -61 5174
64		9.0	38 49.635	-0.0343	25	-68 58 41.97	-0.028	36	1.71	51.435	53	97.5	40.49	53	97.5		M4	3449	P -68 2543
65		8.5T	39 10.806	0.0086	14	-66 21 44.01	-0.024	09	0.59	10.420	19	04.8	42.80	18	00.4	F8	GC	21097	P -66 2815
66	10.0	9.8W	39 13.552	-0.0033	07	-62 42 29.10	-0.002	07	0.14	13.565	14	46.0	29.10	14	46.0	A5	C0	4702	P -62 4779
67		8.7	39 22.689	-0.0063	25	-69 14 17.12	0.024	36	1.76	23.026	53	96.5	18.39	63	96.5		M4	3450	P -68 2546
68	9.9	9.9W	39 32.763	-0.0030	14	-62 47 12.18	0.028	14	0.15	32.775	14	46.0	12.30	14	46.0	A0	C0	4703	P -62 4783
69		6.6T	39 45.307	-0.0014	13	-60 7 45.09	-0.007	09	0.53	45.367	18	07.0	44.77	17	03.8	G5	GC	21113	P -59 6257
70	9.3	7.4W	39 53.436	0.0022	06	-62 0 7.52	-0.004	06	0.14	53.427	14	46.0	7.50	14	46.0	K2	C0	4705	P -61 5197
71	9.9	9.8W	40 20.163	0.0014	13	-62 21 22.20	0.050	13	0.15	20.157	14	46.0	22.40	14	46.0	A2	C0	4706	P -62 4796
72	9.9		40 28.407	0.0079	15	-62 41 59.09	0.001	15	0.15	28.375	14	46.0	59.09	14	46.0	B8	C0	4707	P -62 4800
73	8.4	8.2W	40 35.163	-0.0037	07	-60 4 52.73	-0.002	07	0.14	35.180	14	45.6	52.72	14	45.6	F2	C0	4931	P -59 6268
74	7.5	7.8W	40 38.016	-0.0000	07	-63 3 3.30	-0.002	07	0.14	38.016	14	46.0	3.29	14	46.0	A2	C0	4709	P -62 4804
75	10.1	9.8W	40 38.656	-0.0027	07	-62 14 0.96	-0.015	07	0.14	38.667	14	46.0	0.90	14	46.0	F5	C0	4710	P -61 5207
76	10.3	9.2W	40 39.891	-0.0062	13	-62 39 31.27	0.006	13	0.15	39.915	14	46.0	31.29	14	46.0	K2	C0	4711	P -62 4805
77	9.3	9.3W	40 45.088	0.0009	07	-63 35 53.71	-0.006	07	0.14	45.084	14	46.0	53.68	14	46.0	A0	C0	4712	P -63 3661
78	9.5	8.8W	40 50.562	0.0016	07	-62 58 27.76	-0.040	07	0.14	50.556	14	46.0	27.60	14	46.0	K0	C0	4713	P -62 4811
79		7.1T	40 51.671	-0.0145	12	-61 8 23.15	-0.092	09	0.52	52.305	18	06.3	18.76	15	02.3	F2	GC	21133	P -60 6053
80	9.2	9.4W	40 54.203	-0.0001	07	-63 34 13.08	-0.023	07	0.14	54.204	14	46.0	12.98	14	46.0	B8	C0	4715	P -63 3663
81	9.4	9.9W	41 8.774	-0.0008	14	-62 24 47.15	0.013	14	0.15	8.777	14	46.0	47.20	14	46.0	B9	C0	4716	P -62 4827
82	9.8	10.0W	41 20.351	-0.0033	14	-63 53 19.58	0.051	14	0.15	20.364	14	46.0	19.78	14	46.0	A0	C0	4717	P -63 3665
83	10.5		41 25.517	0.0001	09	-61 45 47.44	-0.033	09	0.14	25.514	14	46.0	47.30	14	46.0	A5	C0	4718	P -61 5218
84		8.6T	41 42.842	0.0011	13	-62 16 22.85	0.013	11	0.62	42.791	21	03.0	23.49	19	01.0	K0	GC	21157	P -62 4838
85	8.7	9.0W	42 6.229	0.0008	07	-62 59 12.84	-0.012	07	0.14	6.226	14	46.0	12.79	14	46.0	B9	C0	4721	P -62 4849
86	10.1	9.9W	42 7.801	0.0031	09	-60 53 43.15	0.017	09	0.14	7.788	14	46.0	43.22	14	46.0	B8	C0	4722	P -60 6071
87	8.7	9.0W	42 9.159	0.0005	06	-62 23 20.64	0.016	06	0.14	9.157	14	46.0	20.70	14	46.0	B8	C0	4723	P -62 4850
88	9.9	10.0W	42 17.993	-0.0031	15	-63 13 6.91	0.020	15	0.15	18.006	14	46.0	6.99	14	46.0	A2	C0	4724	P -62 4853
89	9.9	9.6W	42 35.030	0.0030	09	-60 43 7.64	-0.004	09	0.14	35.018	14	46.0	7.62	14	46.0	F5	C0	4726	P -60 6075
90		7.5T	42 38.140	0.0145	14	-62 38 35.40	0.083	11	0.63	37.468	21	03.6	39.51	18	00.6	F8	GC	21167	P -62 4857
91	10.0	10.1W	42 38.829	-0.0020	11	-61 46 44.80	-0.025	11	0.15	38.837	14	46.0	44.70	14	46.0	B8	C0	4728	P -61 5242
92	9.2	8.7W	42 42.744	-0.0307	07	-61 37 33.59	-0.197	07	0.14	42.867	14	46.0	32.80	14	46.0	G5	C0	4729	P -61 5246
93	9.1	9.5W	42 49.831	-0.0033	13	-63 40 38.40	0.047	13	0.15	49.844	14	46.0	38.58	14	46.0	A0	C0	4730	P -63 3675
94	9.1	7.6W	43 4.473	-0.0009	07	-61 59 35.26	-0.014	07	0.14	4.477	14	46.0	35.20	14	46.0	K0	C0	4731	P -61 5252
95	8.6	8.4W	43 6.191	-0.0014	06	-62 10 47.87	-0.018	06	0.14	6.197	14	46.0	47.80	14	46.0	F2	C0	4732	P -61 5253
96	9.4	9.0W	43 11.054	-0.0103	12	-63 20 37.00	-0.053	12	0.15	11.096	14	46.0	36.80	14	46.0	F8	C0	4733	P -63 3677
97		5.7T	43 18.510	0.0006	10	-65 17 16.44	-0.045	07	0.42	18.484	15	04.4	14.23	14	00.5	A5	GC	21184K	P*-65 3139
98	9.9		43 31.604	0.0043	13	-61 45 59.26	-0.015	13	0.15	31.587	14	46.0	59.20	14	46.0	A0	C0	4734	P -61 5257
99		8.8	43 36.919	0.0077	25	-65 21 34.65	-0.012	36	1.51	36.571	45	04.5	34.11	63	04.5		M4	3463	P -65 3141
00	9.5	8.5W	44 9.361	-0.0069	07	-60 32 49.60	-0.095	07	0.14	9.388	14	46.0	49.22	14	46.0	K0	C0	4735	P -60 6098

253300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER
1	9.4	9.7W	15 44 19.809	-0.0013	14	-64 1 25.91	0.017	14	0.15	19.814	14	46.0	25.98	14	46.0	B9	CO	4736
2		6.7T	44 45.006	-0.0011	11	-60 12 56.14	0.069	07	0.46	45.052	18	07.5	59.58	17	00.1	F0	GC	21217
3		9.0	44 47.323	-0.0043	33	-68 8 52.75	0.011	43	2.31	47.570	75	92.5	53.39	57	92.5		M3	1985
4	9.0	9.1W	44 56.831	-0.0032	14	-64 6 47.84	0.060	14	0.15	56.844	14	46.0	48.08	14	46.0	A0	CO	4738
5		9.0	45 9.946	-0.0044	25	-66 20 16.19	-0.024	36	1.63	10.160	53	00.9	14.99	63	00.9		M4	3465
6	9.2	9.0W	45 12.718	-0.0072	06	-61 56 21.38	0.031	06	0.14	12.747	14	46.0	21.50	14	46.0	F8	CO	4739
7	9.8	10.0W	45 18.934	0.0013	07	-61 7 24.27	-0.011	07	0.14	18.929	14	46.0	24.22	14	46.0	B9	CO	4740
8	9.2	8.8W	45 19.736	-0.0095	06	-63 36 42.86	-0.045	06	0.14	19.774	14	46.0	42.68	14	46.0	F8	CO	4741
9		8.4	46 0.651	0.0037	25	-68 46 16.90	-0.029	36	1.41	0.499	53	08.6	15.69	63	08.6		M4	3468
10	9.6	8.9W	46 12.098	0.0003	06	-62 22 17.09	0.002	06	0.14	12.097	14	46.0	17.10	14	46.0	G5	CO	4744
11		8.5	46 24.670	0.0097	25	-68 46 24.75	-0.034	36	1.69	24.172	53	98.6	23.00	63	98.6		M4	3472
12		8.3	46 25.323	0.0027	25	-69 29 43.51	-0.008	36	1.67	25.186	53	99.6	43.10	63	99.6		M4	3471
13	9.9	9.9W	46 26.116	-0.0004	09	-60 35 45.35	-0.008	09	0.14	26.118	14	46.0	45.32	14	46.0	B9	CO	4745
14	9.5	9.6W	46 27.056	-0.0023	15	-62 42 22.06	0.007	15	0.15	27.065	14	46.0	22.09	14	46.0	A0	CO	4746
15		7.8T	46 58.719	0.0080	20	-64 1 52.92	-0.017	14	0.75	58.388	22	08.4	52.20	21	08.0	F8	GC	21267
16	10.1	10.1W	47 30.305	0.0016	09	-60 38 10.99	0.008	09	0.14	30.298	14	46.0	11.02	14	46.0	A0	CO	4748
17	9.1	9.2W	47 31.459	0.0007	07	-61 35 41.83	-0.033	07	0.14	31.457	14	46.0	41.70	14	46.0	A0	CO	4749
18	9.6	9.7W	47 40.850	0.0007	07	-62 18 24.41	-0.001	07	0.14	40.847	14	46.0	24.40	14	46.0	A0	CO	4750
19		7.0T	47 45.383	-0.0009	12	-67 29 24.12	-0.021	08	0.58	45.430	21	00.3	22.92	18	91.8	A3	GC	21279
20	9.8	10.0W	47 47.024	-0.0004	07	-63 5 4.12	-0.006	07	0.14	47.026	14	46.0	4.09	14	46.0	A2	CO	4751
21	9.4	9.6W	48 2.133	-0.0031	07	-62 57 13.53	-0.010	07	0.14	2.146	14	46.0	13.49	14	46.0	A2	CO	4752
22		8.9	48 14.041	-0.0003	25	-66 28 51.19	-0.018	36	1.70	14.059	53	98.5	50.24	63	98.5		M4	3479
23		6.6T	48 21.186	0.0069	12	-65 0 13.10	0.004	08	0.55	20.847	19	00.7	13.34	17	92.8	A3	GC	21289
24	10.2		48 22.432	-0.0037	09	-61 49 24.96	-0.015	09	0.14	22.447	14	46.0	24.90	14	46.0	B8	CO	4753
25	9.0	8.9W	48 31.755	-0.0050	14	-62 57 40.50	0.047	14	0.15	31.775	14	46.0	40.69	14	46.0	A3	CO	4754
26		7.9T	48 37.305	0.0006	16	-64 51 15.12	-0.049	11	0.66	37.277	21	05.5	12.82	19	02.6	B9	GC	21300
27	9.8	8.7W	48 57.255	0.0017	07	-60 34 51.09	-0.017	07	0.14	57.248	14	46.0	51.02	14	46.0	K0	CO	4755
28		6.2T	49 0.390	-0.0006	16	-62 27 29.78	-0.025	12	0.69	0.412	22	05.1	28.56	19	01.1	K0	GC	21308
29	8.5	8.2W	49 6.453	-0.0063	07	-61 12 59.56	0.115	07	0.14	6.478	14	46.0	+ 0.02	14	46.0	G0	CO	4757
30	11.5	9.7W	49 8.550	0.0004	07	-60 35 31.00	-0.044	07	0.14	8.548	14	46.0	30.82	14	46.0	K2	CO	4758
31	9.6	9.9W	49 9.104	-0.0024	14	-63 51 36.26	-0.018	14	0.15	9.114	14	46.0	36.18	14	46.0	A0	CO	4759
32	9.7	8.7W	49 14.979	0.0008	07	-63 1 35.78	-0.021	07	0.14	14.976	14	46.0	35.69	14	46.0	K0	CO	4760
33		9.2	49 20.183	-0.0003	25	-69 25 18.25	-0.086	36	1.64	20.197	53	00.6	14.00	63	00.6		M4	3481
34	9.0	9.2W	49 23.200	-0.0013	13	-63 14 51.74	0.038	13	0.15	23.206	14	46.0	51.89	14	46.0	A0	CO	4761
35	9.8	9.7W	49 27.465	-0.0029	12	-61 30 56.99	0.002	12	0.15	27.477	14	46.0	57.00	14	46.0	B8	CO	4762
36	9.9	10.0W	50 6.244	-0.0011	14	-61 10 35.03	-0.002	14	0.15	6.248	14	46.0	35.02	14	46.0	A0	CO	4763
37	10.1	9.7W	50 6.915	-0.0010	07	-61 22 16.43	0.024	07	0.14	6.919	14	46.0	16.52	14	46.0	F8	CO	4764
38	10.4		50 7.319	0.0005	09	-61 36 18.61	-0.027	09	0.14	7.317	14	46.0	18.50	14	46.0	B8	CO	4765
39	9.7	9.6W	50 16.945	0.0016	06	-60 50 34.06	-0.011	06	0.14	16.938	14	46.0	34.02	14	46.0	A0	CO	4766
40	9.3	9.7W	50 19.199	0.0026	06	-60 32 40.28	-0.014	06	0.14	19.188	14	46.0	40.22	14	46.0	B8	CO	4767
41	10.3		50 22.006	-0.0025	15	-63 7 7.09	0.051	15	0.15	22.016	14	46.0	7.29	14	46.0	A	CO	4768
42		5.2T	50 31.428	-0.0009	05	-68 27 23.28	-0.014	04	0.25	31.468	10	05.4	22.60	10	00.9	K0	GC	21328
43	8.8	9.2W	50 31.485	-0.0017	06	-60 35 58.89	0.009	06	0.14	31.478	14	46.0	58.92	14	46.0	B8	CO	4769
44		6.3T	50 37.847	-0.0003	11	-60 35 48.09	0.001	08	0.46	37.861	17	06.8	48.14	15	00.2	B8	GC	21330K
45	9.5	9.9W	50 42.383	-0.0012	07	-60 35 18.37	0.014	07	0.14	42.388	14	46.0	18.42	14	46.0		CO	4771
46		3.0H	50 42.980	-0.0278	02	-63 16 42.59	-0.396	02	0.08	43.956	04	14.9	28.77	05	15.1	F0	F4	589
47	10.1		51 5.502	0.0012	11	-62 3 26.27	-0.017	11	0.15	5.497	14	46.0	26.20	14	46.0	A0	CO	4773
48	9.1	9.3W	51 6.394	0.0002	07	-63 55 15.57	0.029	07	0.14	6.394	14	46.0	15.68	14	46.0	A0	CO	4774
49		6.0T	51 19.959	-0.0061	10	-60 1 50.23	-0.076	07	0.45	20.237	17	04.5	46.28	15	97.8	A3	GC	21350K
50		8.6	51 29.775	-0.0093	25	-65 23 18.46	-0.052	36	1.72	30.272	45	96.8	15.71	53	96.8		M4	3489
51		8.6	15 51 35.725	-0.0014	25	-66 42 15.20	0.025	36	1.68	35.795	53	99.2	16.49	63	99.2		M4	3488
52	9.7	9.9W	51 48.764	-0.0014	14	-60 12 59.50	0.006	14	0.15	48.770	14	45.6	59.52	14	45.6	B8	CO	5000
53		6.0T	51 52.100	-0.0038	08	-60 20 9.63	-0.083	06	0.30	52.243	12	12.1	6.11	12	07.5	A2	GC	21359
54	9.9	9.5W	52 4.645	-0.0079	06	-62 2 38.49	-0.047	06	0.14	4.677	14	46.0	38.30	14	46.0	F8	CO	4778
55	9.4	8.5W	52 30.632	-0.0058	14	-62 49 34.48	0.003	14	0.15	30.656	14	46.0	34.49	14	46.0	K0	CO	4779
56		8.2	52 53.581	-0.0014	25	-66 59 30.81	-0.018	36	1.41	53.639	45	07.3	30.05	53	07.3		M4	3494
57		9.0	53 23.281	-0.0094	25	-65 36 8.31	-0.053	36	1.58	23.735	45	01.6	5.76	53	01.6		M4	3495
58		7.2T	53 28.159	-0.0146	12	-60 3 17.46	-0.097	09	0.49	28.792	17	06.7	12.85	15	02.4	G0	GC	21393
59	9.3	9.4W	53 29.245	-0.0047	14	-63 50 49.82	0.040	14	0.15	29.264	14	46.0	49.98	14	46.0	A0	CO	4781
60	9.8	10.0W	53 57.752	-0.0017	09	-61 27 47.67	-0.013	09	0.14	57.759	14	46.0	47.62	14	46.0	A0	CO	4782
61	8.4	8.7W	54 6.885	0.0019	06	-61 55 1.37	-0.014	06	0.14	6.877	14	45.6	1.30	14	45.6	A0	CO	4783
62		5.9T	54 21.591	-0.0007	07	-64 53 41.59	-0.022	06	0.26	21.616	09	11.1	40.70	09	08.7	B8	GC	21414K
63	9.0	7.4W	54 28.308	0.0000	06	-60 33 51.68	0.009	06	0.14	28.308	14	45.6	51.72	14	45.6	K2	CO	4784
64	9.1	9.5W	54 50.021	0.0013	07	-62 55 45.83	-0.007	07	0.14	50.015	14	45.6	45.79	14	45.6	A0	CO	4785
65		9.2	55 0.670	-0.0074	33	-67 13 25.19	0.024	43	2.31	1.093	75	92.5	26.59	57	92.5		M3	2006
66	9.4	9.1W	55 6.826	0.0063	07	-60 57 45.80	-0.042	07	0.14	6.798	14	45.6	45.62	14	45.6	G0	CO	4786
67		7.0T	55 10.685	0.0011	16	-62 40 22.38	-0.005	20	0.80	10.638	22	06.6	22.18	22	07.6	K2	GC	21433
68		6.9T	55 14.261	0.0034	12	-64 42 44.73	-0.018	11	0.57	14.303	19	04.1	43.88	18	02.1	K2	GC	21436
69	9.9	9.0W	55 20.538	0.0024	15	-62 29 27.48	0.027	15	0.16	20.527	14	45.6	27.60	14	45.6	G5	CO	4788
70	9.9		55 23.903	0.0034	09	-60 31 3.14	0.018	09	0.15	23.888	14	45.6	3.22	14	45.6	B8	CO	4789
71	9.2	9.0W	55 26.362	0.0061	13	-62 33 40.68	0.003	13	0.15	26.335	14	45.6	40.69	14	45.6	F5	CO	4790
72	9.7	9.5W	55 39.184	-0.0071	15	-62 51 30.70	-0.002	15	0.16	39.215	14	45.6	30.69	14	45.6	F0	CO	4791
73	9.9	10.0W	56 6.504	-0.0048	12	-63 17 8.28	0.025	12	0.15	6.526	14	45.6	8.39	14	45.6	A0	CO	4793
74	•	8.1T	56 20.381	-0.0373	12	-61 9 35.31	-0.198	11	0.60	22.131	19	03.1	25.67	19	01.3	G0	GC	21458
75		9.0	56 36.108	-0.0053	33	-69 18 25.14	0.082	43	2.31	36.412	75	92.5	29.84	57	92.5		M3	2008
76		7.4T	56 37.141	-0.0036	13	-66 42 29.67	-0.031	12	0.69	37.322	21	99.2	28.07	21	97.7	MB	GC	21469
77		6.4I	56 40.169	-0.0001	13	-63 38 10.05	-0.006	10	0.55	40.175	18	08.1	9.75	18	01.0	G5	GC	21470V
78	9.7	9.8W	56 43.313	0.0012	09	-60 51 41.17	-0.011	09	0.15	43.308	14	45.6	41.12	14	45.6	A0	CO	4796
79	8.7	9.0W	56 57.316	-0.0002	06	-62 10 20.55	-0.011	06	0.14	57.317	14	45.6	20.50	14	45.6	A0	CO	4797
80	9.8	9.7W	57 15.965	-0.0000	14	-62 53 36.93	0.015	14	0.15	15.965	14	45.6	36.99	14	45.6	A2	CO	4798
81	9.0	8.8W	57 26.358	-0.0080	07	-63 38 17.46	-0.017	07	0.14	26.393	14	45.6	17.38	14	45.6	F8	CO	4799
82	8.6	8.9W	57 30.917	-0.0002	06	-60 40 40.52	-0.001	06	0.14	30.918	14	45.6	40.52	14	45.6	B9	CO	4800
83	9.6	9.3W	57 37.001	-0.0074	15	-64 6 32.74	-0.012	15	0.16	37.004	14	45.6	32.68	14	45.6	F5	CO	4801
84	9.1	9.4W	57 37.159	-0.0003	07	-60 22 12.59	0.006	07	0.14	37.160	14	45.6	12.62	14	45.6	B8	CO	4802
85		9.0	57 49.815	-0.0044	33	-66 14 21.26	-0.084	43	2.30	50.065	75	92.5	16.41	53	92.5		M3	2011
86	8.6	8.6W	57 54.792	-0.0053	15	-62 45 5.08	0.003	15	0.16	54.815	14	45.6	5.10	14	45.6	A3	CO	4803
87	8.0	8.4W	58 3.340	-0.0035	15	-62 35 0.67	-0.018	15	0.16	3.355	14	45.6	0.59	14	45.6	B8	CO	4805
88	7.8	8.2W	58 8.673	-0.0001	07	-63 45 3.78	-0.000	07	0.14	8.673	14	45.6	3.78	14	45.6	B5	CO	4806
89	8.9	7.3W	58 24.296	0.0001	06	-62 59 31.61	-0.002	06	0.14	24.295	14	45.6	31.59	14	45.6	K5	CO	4807
90		6.4T	58 27.694	-0.0050	11	-62 24 9.62	-0.025	08	0.53	27.944	19	00.1	8.26	18	95.5	A0	GC	21510
91	10.0	10.1W	58 32.488	0.0025	12	-61 50 11.94	-0.009	12	0.15	32.477	14	45.6	11.90	14	45.6	A0	CO	4809
92		7.2	58 35.878	-0.0013	25	-66 28 56.80	-0.062	36	1.72	35.948	53	97.5	53.52	63	97.5		M4	3516
93	8.2	8.6W	58 38.046	-0.0009	07	-60 11 50.60	-0.018	07	0.14	38.050	14	45.6	50.52	14	45.6	B8	CO	4810
94	8.8	9.1W	58 38.216	0.0013	11	-60 18 18.15	0.015	11	0.15	38.210	14	45.6	18.22	14	45.6	B8	CO	4811
95		8.8	58 46.068	-0.0033	25	-69 42 21.21	-0.029	36	1.52	46.220	53	04.6	19.88	63	04.6		M4	3515
96	9.1	9.6W	58 46.270	0.0023	07	-60 11 52.36	-0.009	07	0.14	46.260	14	45.6	52.32	14	45.6	B8	CO	4812
97	8.2	7.9W	58 52.916	0.0092	06	-63 13 39.53	-0.075	06	0.14	52.876	14	45.6	39.19	14	45.6	F8	CO	4813
98	7.8	8.2W	58 58.380	0.0000	06	-60 16 3.44	0.018	06	0.14	58.380	14	45.6	3.52	14	45.6	A	CO	4815
99	9.5	9.8W	59 1.397	0.0021	07	-60 52 26.73	-0.002	07	0.14	1.388	14	45.6	26.72	14	45.6	A0	CO	4816
00	9.1	9.6W	59 6.958	-0.0004	09	-60 11 19.64	-0.005	09	0.15	6.960	14	45.6	19.62	14	45.6		CO	5057

SOURCE CAT. STAR NUMBER

-60° 15H

DM NUMBER

1	P -63	3679
2	P -59	6332
3		
4	P -63	3682
5	P -66	2832
6	P -61	5287
7	P -60	6118
8	P -63	3685
9	P -68	2566
10	P -62	4926
11	P -68	2568
12	P -69	2455
13	P -60	6131
14	P -62	4932
15	P -63	3697
16	P -60	6147
17	P*-61	5315
18	P -62	4963
19	P -67	2973
20	P -62	4964
21	P -62	4967
22	P -66	2837
23	P -64	3286
24	P -61	5327
25	P -62	4980
26	P -64	3291
27	P -60	6159
28	P -62	4990
29	P -60	6160
30	P -60	6162
31	P -63	3708
32	P -62	4992
33	P -69	2459
34	P -63	3713
35	P -61	5351
36	P -60	6173
37	P -61	5362
38	P -61	5361
39	P*-60	6181
40	P -60	6182
41	P -62	5006
42	P*-68	2585
43	P -60	6187
44	P*-60	6191
45	P -60	6192
46	P -63	3723
47	P -61	5373
48	P -63	3728
49	P*-59	6428
50	P -65	3174
51	P -66	2848
52	P -59	6434
53	P -60	6208
54	P -61	5388
55	P -62	5041
56	P -66	2851
57	P -65	3179
58	P -59	6464
59	P -63	3742
60	P -61	5425
61	P -61	5428
62	P -64	3320
63	P -60	6242
64	P -62	5069
65		
66	P -60	6252
67	P -62	5073
68	P -64	3326
69	P -62	5075
70	P -60	6256
71	P -62	5077
72	P -62	5080
73	P -63	3763
74	P -60	6272
75		
76	P -66	2866
77	P*-63	3765
78	P -60	6280
79	P -61	5463
80	P -62	5104
81	P -63	3772
82	P -60	6293
83	P -63	3773
84	P -60	6294
85		
86	P -62	5109
87	P -62	5113
88	P -63	3776
89	P -62	5120
90	P -62	5122
91	P -61	5489
92	P -66	2877
93	P -59	6555
94	P -60	6317
95	P -69	2484
96	P -59	6557
97	P -63	3778
98	P -60	6326
99	P -60	6324
00	P -59	6562

253400

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 15H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.0	15 59 10.151	0.0527	25	-64 19 27.66	0.123	36	1.78	7.284	53	95.6	34.34	63	95.6		M4	3519	F -64 3353
2	8.3	8.6W	59 12.896	0.0013	06	-60 20 55.88	0.009	06	0.14	12.890	14	45.6	55.92	14	45.6	B8	GC	4817	F -60 6338
3	9.6	9.8W	59 16.624	0.0009	12	-60 11 54.66	0.010	12	0.15	16.620	14	45.6	54.72	14	45.6	B8	GC	4818	F -59 6563
4		7.7T	59 20.329	0.0020	10	-61 19 56.89	-0.006	11	0.51	20.236	19	03.2	56.62	18	04.8	F8	GC	21531	F -61 5499
5	9.9	10.1W	59 23.458	0.0030	13	-62 33 19.62	0.038	13	0.15	23.445	14	45.6	19.79	14	45.6	G5	GC	4820	F -62 5141
6		7.0T	59 28.271	-0.0009	08	-60 21 38.75	0.000	07	0.33	28.306	12	10.1	38.75	12	07.2	B3F	GC	21537	F*-60 6348
7	7.9	8.3W	59 28.378	0.0019	07	-60 22 31.48	0.009	07	0.14	28.370	14	45.6	31.52	14	45.6	B	GC	4822	F -60 6349
8		7.9T	59 36.824	-0.0048	12	-60 35 24.43	-0.060	10	0.58	37.060	22	01.0	21.51	19	01.2	F0	GC	21541	F -60 6353
9	9.6	9.8W	59 48.606	-0.0021	14	-62 49 45.29	0.024	14	0.15	48.615	14	45.6	45.39	14	45.6	B9	GC	4824	F -62 5147
10	8.4	8.5W	59 50.550	0.0000	07	-60 4 43.82	0.000	07	0.14	50.559	14	45.6	43.82	14	45.6	A0	GC	5062	F -59 6576
11	9.2	8.3W	16 0 0.344	-0.0029	06	-61 37 23.01	-0.094	06	0.14	0.356	14	45.6	22.60	14	45.6	G5	GC	4826	F -61 5510
12		8.9	0 17.871	0.0017	25	-69 27 36.05	-0.039	36	1.67	17.785	53	99.6	34.08	63	99.6		M4	3522	F -69 2487
13	9.7	9.6W	0 33.004	-0.0003	10	-62 43 37.09	0.047	10	0.15	33.005	14	45.6	37.30	14	45.6	A0	GC	4827	F -62 5160
14		7.9T	0 43.312	0.0001	14	-68 17 58.56	-0.010	12	0.69	43.307	22	01.2	58.04	21	97.4	B9	GC	21568	F -68 2610
15	8.8	9.1W	0 46.264	-0.0003	07	-63 24 59.07	-0.018	07	0.14	46.266	14	45.6	58.99	14	45.6	B8	GC	4828	F -63 3791
16	8.5	8.7W	0 52.204	-0.0010	07	-61 1 3.99	-0.040	07	0.14	52.208	14	45.6	3.82	14	45.6	A0	GC	4829	F -60 6375
17	9.5	9.7W	0 55.135	0.0018	06	-61 59 14.48	0.006	06	0.14	55.127	14	45.6	14.50	14	45.6	A0	GC	4830	F -61 5527
18	9.6	8.5W	1 8.789	0.0010	13	-62 34 23.24	0.036	13	0.15	8.785	14	45.6	23.40	14	45.6	K0	GC	4831	F -62 5172
19	9.0	9.3W	1 27.785	0.0018	13	-62 17 31.96	0.031	13	0.15	27.777	14	45.6	32.10	14	45.6	B5	GC	4832	F -62 5177
20	10.4	8.9W	1 28.996	-0.0048	06	-62 5 59.26	-0.014	06	0.14	29.017	14	45.6	59.20	14	45.6	K2	GC	4833	F -61 5535
21	8.8	8.9W	1 37.002	-0.0014	09	-60 53 41.67	-0.011	09	0.15	37.008	14	45.6	41.62	14	45.6	A2	GC	4834	F -60 6385
22	8.8	8.9W	1 51.849	-0.0001	09	-60 2 30.69	0.006	09	0.15	51.850	14	45.6	30.72	14	45.6	A2	GC	4835	F -59 6600
23	7.3	7.7W	1 57.708	-0.0039	06	-63 12 21.17	-0.018	06	0.14	57.725	14	45.6	21.09	14	45.6	A0	GC	4836	F -62 5179
24	9.7	9.5W	2 0.612	-0.0008	07	-62 58 57.36	-0.015	07	0.14	0.615	14	45.6	57.30	14	45.6	F0	GC	4837	F -62 5180
25	9.8	9.7W	2 6.141	-0.0008	06	-62 30 49.76	0.008	06	0.14	6.145	14	45.6	49.79	14	45.6	A2	GC	4838	F -62 5181
26	9.3	9.6W	2 8.914	-0.0053	07	-61 58 4.78	-0.018	07	0.14	8.937	14	45.6	4.70	14	45.6	B5	GC	4839	F -61 5539
27	9.8	9.8W	2 29.189	0.0004	07	-61 54 22.22	-0.003	07	0.14	29.187	14	45.6	22.20	14	45.6	A0	GC	4840	F -61 5542
28	7.3	7.8W	2 34.511	-0.0031	06	-62 37 41.79	0.000	06	0.14	34.525	14	45.6	41.79	14	45.6	B9	GC	4841	F -62 5184
29	9.4	9.3W	2 36.643	-0.0008	06	-61 41 57.67	0.008	06	0.14	36.647	14	45.6	57.70	14	45.6	A2	GC	4842	F -61 5543
30	8.01		2 51.183	0.0045	22	-62 46 36.64	-0.019	20	0.90	50.998	22	08.6	35.85	21	08.0	F5	GC	21614X	P*-62 5187
31	8.2	8.1W	2 52.390	-0.0045	06	-60 13 21.42	-0.047	06	0.14	52.410	14	45.6	21.22	14	45.6	F2	GC	4844	F -60 6394
32	8.9	8.7W	3 19.248	0.0022	06	-61 25 50.98	-0.015	06	0.14	19.238	14	45.6	50.92	14	45.6	F0	GC	4847	F -61 5549
33	9.4	9.4W	3 21.370	-0.0021	07	-60 3 45.65	-0.007	07	0.14	21.380	14	45.6	45.64	14	45.6	A2	GC	4848	F -59 6612
34	8.3	8.7W	3 35.900	0.0027	06	-60 57 8.32	0.023	06	0.14	35.888	14	45.6	8.42	14	45.6	B8	GC	4849	F -60 6400
35	9.8	9.9W	3 43.243	-0.0004	07	-62 39 29.35	-0.014	07	0.14	43.245	14	45.6	29.29	14	45.6	B9	GC	4850	F -62 5192
36	9.9	8.7W	3 46.947	-0.0003	07	-61 25 50.19	-0.040	07	0.14	46.948	14	45.6	50.02	14	45.6	K0	GC	4851	F -61 5554
37		7.2T	4 4.342	0.0009	09	-62 50 56.93	-0.010	09	0.51	4.295	19	97.0	56.42	18	98.8	B9	GC	21650	F -62 5193
38	8.5	8.8W	4 6.018	0.0022	07	-61 22 13.49	0.006	07	0.14	6.008	14	45.6	13.52	14	45.6	B9	GC	4853	F -61 5561
39	9.9	10.0W	4 17.850	0.0034	15	-62 36 1.47	0.060	15	0.16	17.835	14	45.6	1.69	14	45.6	A0	GC	4854	F -62 5195
40		8.6T	4 25.202	-0.0013	17	-63 46 52.79	-0.017	13	0.71	25.260	22	06.6	51.99	21	02.8	B8	GC	21657	F -63 3810
41	8.8	9.2W	4 27.620	-0.0034	15	-63 10 32.97	0.028	15	0.16	27.635	14	45.6	33.09	14	45.6	B9	GC	4856	F -62 5196
42		7.0T	4 27.748	-0.0001	13	-61 40 5.89	-0.003	11	0.55	27.753	18	09.2	5.76	18	05.2	K2	GC	21658	F -61 5563
43	9.4	8.5W	5 28.327	-0.0019	06	-63 20 42.41	-0.027	06	0.14	28.335	14	45.6	42.29	14	45.6	K0	GC	4858	P*-63 3820
44		6.5T	5 30.386	-0.0009	09	-62 50 6.56	-0.055	09	0.51	30.435	19	97.4	3.51	18	94.3	A2	GC	21685	F -62 5202
45	9.7	10.1W	5 41.030	0.0031	13	-62 11 0.22	-0.004	13	0.15	41.017	14	45.6	0.21	14	45.6	B9	GC	4860	F -61 5573
46		7.6T	5 58.308	0.0026	12	-62 47 31.96	-0.011	09	0.54	58.187	21	03.0	31.40	18	98.4	B9	GC	21699	F -62 5207
47		8.0T	5 58.912	0.0004	16	-61 35 23.98	-0.027	12	0.67	58.896	21	05.9	22.68	19	01.9	A2	GC	21700	F -61 5578
48	9.4	9.6W	6 21.731	0.0013	07	-62 48 46.88	-0.019	07	0.14	21.725	14	45.6	46.80	14	45.6	B9	GC	4863	F -62 5211
49	8.9	9.2W	6 23.126	0.0017	07	-61 5 12.26	-0.009	07	0.14	23.118	14	45.6	12.22	14	45.6	B9	GC	4864	F -60 6437
50	8.3	8.2W	6 43.094	-0.0044	07	-64 2 9.09	-0.046	07	0.14	43.114	14	45.6	-59.88	14	45.6	F8	GC	4865	F -63 3827
51	9.6	9.4W	16 6 54.004	-0.0025	07	-63 35 47.75	-0.015	07	0.14	54.014	14	45.6	47.68	14	45.6	F2	GC	4866	F -63 3829
52	10.0	9.8W	6 54.768	0.0044	13	-60 59 16.49	0.007	13	0.15	54.748	14	45.6	16.52	14	45.6	A2	GC	4867	F -60 6443
53		8.2	7 4.791	-0.0043	25	-69 29 28.99	-0.055	36	1.43	4.971	53	07.9	26.67	63	07.9		M4	3533	F -69 2499
54	9.9	10.1W	7 16.024	-0.0003	15	-62 40 50.38	0.049	15	0.16	16.025	14	45.6	50.59	14	45.6	A2	GC	4868	F -62 5217
55		8.8	7 26.695	-0.0073	25	-69 0 19.50	-0.060	36	1.72	27.079	53	97.5	16.87	63	97.5		M4	3536	F -68 2628
56	9.8	9.9W	7 34.147	-0.0086	13	-63 5 9.30	0.067	13	0.15	34.185	14	45.6	9.59	14	45.6	A2	GC	4869	F -62 5218
57		8.3	7 34.676	0.0057	25	-67 46 39.75	-0.088	36	1.51	34.420	53	04.9	35.79	63	04.9		M4	3537	F -67 3031
58		8.6	7 36.892	-0.0093	25	-65 14 7.16	-0.060	36	1.16	37.410	89	94.5	3.85	#	94.5		M4	3538	F -65 3241
59		7.4T	7 57.845	-0.0012	10	-61 48 0.12	-0.031	07	0.50	57.906	18	98.7	-58.33	17	92.1	A0	GC	21750	F -61 5591
60		7.7T	8 47.264	-0.0031	14	-64 51 29.01	-0.013	09	0.59	47.424	21	04.1	28.35	18	97.9	B9	GC	21762	F -64 3412
61		8.4	8 48.237	-0.0113	25	-64 9 23.95	0.067	36	1.81	48.865	53	94.6	27.65	63	94.6		M4	3541	F -63 3843
62		8.6	8 54.821	0.0037	25	-68 25 0.98	-0.047	36	1.39	54.665	45	07.9	-59.01	53	07.9		M4	3540	F -68 2632
63		8.1T	9 1.639	0.0046	12	-66 56 54.29	0.017	11	0.64	1.398	22	98.2	55.21	21	96.7	K0	GC	21769	F -66 2911
64	9.7	9.4W	9 12.873	0.0100	09	-61 26 42.92	0.000	09	0.15	12.829	14	45.6	42.92	14	45.6	F5	GC	4872	F -61 5599
65		8.8	9 19.969	-0.0014	25	-66 33 8.56	0.011	36	1.78	20.045	53	95.6	9.15	63	95.6		M4	3545	F -66 2912
66	8.0	8.2W	9 25.245	0.0022	06	-62 55 51.07	0.006	06	0.14	25.235	14	45.6	51.10	14	45.6	B9	GC	4873	F -62 5224
67	7.9	8.3W	9 33.016	-0.0006	07	-63 59 24.43	-0.011	07	0.14	33.014	14	45.6	24.38	14	45.6	B9	GC	4874	F -63 3846
68		9.3	9 34.064	-0.0023	25	-69 48 3.54	-0.028	36	1.60	34.196	53	01.9	2.19	63	01.9		M4	3542	F -69 2503
69	8.5	8.3W	9 50.701	-0.0291	07	-60 0 48.34	-0.073	07	0.14	50.829	14	45.6	48.02	14	45.6	F5	GC	4875	F -59 6656
70	7.4	7.8W	9 58.444	-0.0025	14	-62 38 38.58	0.025	14	0.15	58.455	14	45.6	38.69	14	45.6	B9	GC	4876	F -62 5229
71	9.0	9.3W	10 14.713	0.0034	07	-60 39 16.61	-0.020	07	0.14	14.698	14	45.6	16.52	14	45.6	A0	GC	4877	F -60 6460
72	9.6	9.4W	10 19.491	-0.0054	15	-62 33 28.75	-0.014	15	0.16	19.515	14	45.6	28.69	14	45.6	A5	GC	4878	F -62 5232
73	9.3	8.6W	10 44.263	0.0033	07	-61 8 31.73	-0.003	07	0.14	44.248	14	45.6	31.72	14	45.6	+++	GC	4879	F -60 6465
74		4.0H	10 52.116	0.0015	03	-63 33 37.11	-0.014	03	0.11	52.067	06	16.9	36.65	05	17.5	G0	F4	602	F -63 3854
75	9.0	9.5W	10 55.172	0.0032	07	-60 39 44.69	-0.016	07	0.14	55.158	14	45.6	44.62	14	45.6	B8	GC	4881	F -60 6467
76	10.3		11 34.842	0.0057	12	-61 45 29.42	-0.004	12	0.15	34.817	14	45.6	29.40	14	45.6	A3	GC	4882	F -61 5615
77	9.8	9.6W	11 36.666	-0.0040	14	-64 8 16.16	-0.006	14	0.15	36.684	14	45.6	16.18	14	45.6	A5	GC	4883	F -63 3858
78	9.5	9.7W	11 50.241	0.0002	11	-60 3 59.53	-0.003	11	0.15	50.240	14	45.6	59.52	14	45.6	A0	GC	4884	F -59 6672
79	9.0	8.8W	11 57.206	-0.0111	13	-63 28 29.40	-0.024	13	0.15	57.255	14	45.6	29.29	14	45.6	F2	GC	4885	F -63 3862
80	8.8	8.2W	12 1.783	-0.0002	07	-64 2 24.71	-0.006	07	0.14	1.784	14	46.1	24.68	14	46.1	G5	GC	4886	F -63 3863
81		6.2T	12 4.849	-0.0067	12	-67 48 59.59	-0.096	09	0.61	5.205	21	96.9	53.89	19	90.5	A3	GC	21849	F -67 3054
82		9.0	12 6.848	-0.0033	25	-68 41 25.91	0.003	36	1.79	7.029	53	95.4	26.07	63	95.4		M4	3555	F -68 2641
83	8.8	9.1W	12 24.255	0.0014	13	-60 26 18.64	0.021	13	0.15	24.250	14	46.1	18.72	14	46.1	B9	GC	4887	F -60 6482
84	9.7	8.5W	12 32.208	-0.0025	06	-60 45 52.80	-0.046	06	0.14	32.218	14	46.1	52.62	14	46.1	K2	GC	4888	F -60 6485
85	9.4	9.7W	12 33.299	0.0059	15	-63 29 14.10	-0.002	15	0.15	33.276	14	46.1	14.10	14	46.1	A0	GC	4889	F -63 3866
86	9.8	8.7W	13 25.438	0.0029	06	-61 49 47.84	0.016	06	0.14	25.427	14	46.1	47.90	14	46.1	K0	GC	4891	F -61 5623
87		8.9	13 27.189	-0.0034	25	-64 51 30.44	0.047	36	1.81	27.375	53	94.6	33.07	63	94.6		M4	3560	F -64 3432
88	10.1	9.8W	13 41.109	0.0033	14	-63 13 3.97	0.056	14	0.15	41.096	14	46.1	4.19	14	46.1	G0	GC	4892	F -63 3874
89	10.3	9.2W	13 43.103	-0.0017	07	-60 0 23.30	-0.022	07	0.14	43.110	14	46.1	23.22	14	46.1	K2	GC	4893	F -59 6682
90		8.4	13 52.838	-0.0044	25	-66 59 26.67	-0.063	36	1.78	53.075	53	95.6	23.26	63	95.6		M4	3562	F -66 2923
91	9.2	9.2W	13 59.336	0.0022	07	-62 22 11.10	0.000	07	0.14	59.327	14	46.1	11.10	14	46.1	A5	GC	4894	F -62 5267
92	8.9	9.3W	14 0.630	0.0011	07	-62 55 42.35	-0.015	07	0.14	0.625	14	46.1	42.30	14	46.1	B9	GC	4895	F -62 5266
93	10.0	9.4W	14 1.487	0.0024	09	-61 58 49.81	-0.053	09	0.14	1.477	14	46.1	49.60	14	46.1	G0	GC	4896	F -61 5628
94	9.8		14 18.727	0.0017	15	-60 7 24.23	0.023	15	0.15	18.720	14	46.1	24.32	14	46.1	B9	GC	4898	F -59 6664
95	8.6	8.9W	14 46.368	0.0027	07	-62 20 14.13	-0.007	07	0.14	46.357	14	46.1	14.11	14	46.1	A0	GC	4899	F -62 5275
96	9.0	9.3W	14 47.778	0.0007	13	-62 30 48.51	0.021	13	0.15	47.775	14	46.1	48.59	14	46.1	A0	GC	4900	F -62 5274
97	9.3	9.5W	15 0.416	-0.0010	13	-60 25 53.54	-0.006	13	0.15	0.420	14	46.1	53.52	14	46.1	A0	GC	4901	F -60 6491
98	9.3	9.3W	15 7.961	0.0015	07	-63 11 25.48	-0.022	07	0.14	7.956	14	46.1	25.39	14	46.1	A5	GC	4902	F -63 3881
99	9.3	9.7W	15 14.092	-0.0031	15	-63 52 28.78	0.027	15	0.15	14.104	14	46.1	28.88	14	46.1	B8	GC	4903	F -63 3882
100		7.5T	15 19.963	-0.0021	13	-64 31 42.03	-0.052	07	0.52	20.055	21	06.1	39.37	17	98.4	A0	GC	21913K	F*-64 3442

253500 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 16H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		9.5	16 15 21.378	0.0016	33	-67 14 52.76	-0.086	43	2.29	21.283	63	92.5	47.83	57	92.5		M3	2047	
2	10.1	10.0W	15 23.581	0.0014	12	-62 44 11.40	0.023	12	0.15	23.575	14	46.1	11.49	14	46.1	A5 O	CO	4904	P -62 5277
3	8.7	9.0W	15 24.936	0.0020	07	-61 0 50.28	-0.014	07	0.14	24.928	14	46.1	50.22	14	46.1	B8	CO	4905	P -60 6494
4	9.2	9.6W	15 26.702	0.0008	07	-61 14 33.39	-0.017	07	0.14	26.698	14	46.1	33.32	14	46.1	B8	CO	4906	P -61 5634
5		7.4T	15 27.489	-0.0023	12	-68 25 0.02	-0.021	08	0.57	27.608	21	98.0	-58.84	18	93.3	B9	GC	21918	P -68 2664
6	8.8	7.8W	15 27.958	0.0011	15	-63 49 12.19	-0.003	15	0.15	27.954	14	46.1	12.18	14	46.1	K2	CO	4907	P -63 3884
7	8.5	8.9W	16 0.454	0.0013	06	-61 29 15.69	0.008	06	0.14	0.449	14	46.1	15.72	14	46.1	B8	CO	4908	P -61 5637
8		8.6T	16 13.648	-0.0056	12	-69 36 9.90	-0.068	12	0.68	13.935	21	99.2	6.32	19	97.6	F8	GC	21936	P -69 2521
9	8.8	9.2W	16 14.975	0.0049	07	-63 11 50.21	-0.030	07	0.14	14.956	14	46.1	50.09	14	46.1	B8	CO	4909	P -63 3886
10	9.4	9.0W	16 20.304	-0.0030	07	-62 31 56.17	-0.019	07	0.14	20.315	14	46.1	56.09	14	46.1	G0	CO	4910	P -62 5286
11	8.7	9.2W	16 28.349	-0.0012	15	-63 35 59.95	0.010	15	0.15	28.354	14	46.1	59.98	14	46.1	B9	CO	4911	P -63 3888
12	9.3	9.1W	16 53.287	-0.0009	07	-60 21 0.50	-0.022	07	0.14	53.290	14	46.1	0.42	14	46.1	A5	CO	4912	P -60 6499
13	10.2	10.2W	16 58.131	0.0041	15	-62 45 53.10	0.050	15	0.15	58.115	14	46.1	53.30	14	46.1	A0	CO	4913	P -62 5288
14	9.6	9.5W	16 59.021	0.0010	07	-62 28 43.78	-0.021	07	0.14	59.017	14	46.1	43.70	14	46.1	F0	CO	4914	P -62 5289
15	9.7	9.0W	17 6.593	-0.0012	07	-60 32 21.27	-0.039	07	0.14	6.598	14	46.1	21.12	14	46.1	G5	CO	4915	P -60 6502
16	9.1	9.6W	17 25.693	0.0019	14	-63 26 55.43	0.015	14	0.15	25.686	14	46.1	55.49	14	46.1	B9	CO	4916	P*-63 3893
17	9.5	8.4W	17 29.325	-0.0009	13	-61 29 43.77	-0.012	13	0.15	29.329	14	46.1	43.72	14	46.1	K2	CO	4917	P -61 5647
18	9.6	9.8W	17 32.224	-0.0024	14	-64 1 51.23	-0.013	14	0.15	32.234	14	46.1	51.28	14	46.1	B9	CO	4918	P -63 3894
19	10.0	10.0W	17 36.027	-0.0022	14	-62 52 10.81	-0.030	14	0.15	36.035	14	46.1	10.69	14	46.1	A2	CO	4919	P -62 5294
20		8.7	17 50.573	0.0127	25	-69 14 2.53	0.003	36	1.78	49.882	53	95.6	2.69	63	95.6		M4	3571	P -69 2533
21		8.1	17 54.006	-0.0043	25	-68 40 22.21	-0.031	36	1.66	54.223	53	99.6	20.64	63	99.6		M4	3572	P -68 2684
22		6.9T	17 59.433	-0.0044	14	-66 46 12.62	-0.026	10	0.66	59.645	22	01.3	11.23	19	95.9	B9	GC	21977	P*-66 2940
23	9.5	8.8W	18 3.053	-0.0007	07	-63 20 39.77	-0.019	07	0.14	3.056	14	46.1	39.69	14	46.1	K0	CO	4920	P -63 3903
24		7.5T	18 16.607	0.0024	15	-62 27 8.10	-0.003	11	0.64	16.500	21	05.6	7.97	19	02.6	G5	GC	21990	P -62 5299
25	9.0	9.4W	18 17.599	0.0001	07	-61 11 48.76	-0.010	07	0.14	17.598	14	46.1	48.72	14	46.1	B8	CO	4922	P -61 5654
26	8.9	8.4W	18 35.390	-0.0223	08	-61 34 2.69	-0.331	08	0.14	35.477	14	46.1	1.40	14	46.1	K0	CO	4923	P*-61 5655
27	9.7	8.8W	18 39.941	0.0011	07	-61 49 9.76	-0.016	07	0.14	39.937	14	46.1	9.70	14	46.1	K0	CO	4924	P -61 5656
28	9.2	9.3W	18 56.855	-0.0028	15	-63 1 14.11	0.020	15	0.15	56.866	14	46.1	14.19	14	46.1	A2	CO	4926	P -62 5305
29	9.2	9.2W	19 9.513	0.0007	07	-60 0 11.85	0.018	07	0.14	9.510	14	46.1	11.92	14	46.1	A2	CO	4927	P -59 6714
30	8.6	9.0W	19 18.779	-0.0002	07	-60 1 17.46	-0.011	07	0.14	18.780	14	46.1	17.42	14	46.1	A0	CO	4928	P -59 6717
31	9.3	9.6W	19 33.044	-0.0005	12	-62 49 22.50	0.022	12	0.15	33.046	14	46.1	22.59	14	46.1	A0	CO	4929	P -62 5308
32	9.5	9.7W	19 34.322	0.0017	07	-62 58 46.53	-0.009	07	0.14	34.316	14	46.1	46.50	14	46.1	A2	CO	4930	P -62 5309
33	9.5	9.8W	19 38.883	0.0041	07	-62 3 5.42	-0.004	07	0.14	38.867	14	46.1	5.40	14	46.1	B9	CO	4931	P -61 5660
34	9.3	8.6W	19 41.647	-0.0069	14	-63 56 46.49	-0.002	14	0.15	41.674	14	46.1	46.48	14	46.1	K0	CO	4932	P -63 3908
35		8.3	19 47.709	-0.0044	25	-65 36 24.61	-0.039	36	1.68	47.931	53	99.2	22.65	63	99.2		M4	3580	P -65 3295
36	8.9	9.2W	20 29.724	0.0035	07	-60 24 0.80	-0.020	07	0.14	29.710	14	46.1	0.72	14	46.1	B9	CO	4933	P -60 6513
37	9.5	9.7W	20 34.344	-0.0034	11	-62 21 7.48	0.056	11	0.15	34.357	14	46.1	7.70	14	46.1	A2	CO	4934	P -62 5323
38	9.3	8.2W	20 42.896	0.0023	07	-62 5 49.72	-0.005	07	0.14	42.887	14	46.1	49.70	14	46.1	K2	CO	4935	P -61 5666
39		6.3T	20 48.485	-0.0027	09	-63 0 39.11	0.022	09	0.47	48.620	18	00.3	40.23	17	99.7	A2	GC	22034	P -62 5325
40		8.8	20 48.729	-0.0124	25	-66 34 34.23	0.042	36	1.73	49.384	53	97.2	36.43	63	97.2		M4	3583	P -66 2949
41	9.0	9.2W	20 52.856	-0.0007	07	-61 7 57.87	-0.013	07	0.14	52.858	14	46.1	57.82	14	46.1	B9	CO	4937	P -60 6514
42		8.4	20 57.285	0.0166	25	-67 28 21.94	-0.014	36	1.66	56.446	53	99.6	21.25	63	99.6		M4	3584	P -67 3105
43	10.0	9.1W	21 0.725	0.0016	07	-61 13 40.88	-0.015	07	0.14	0.718	14	46.1	40.82	14	46.1	K0	CO	4938	P -61 5669
44	9.3	8.4W	21 27.972	0.0038	06	-62 18 27.54	0.016	06	0.14	27.957	14	46.1	27.60	14	46.1	K0	CO	4939	P -62 5331
45	9.8	9.9W	21 30.825	0.0076	15	-62 38 52.83	-0.035	15	0.15	30.795	14	46.1	52.69	14	46.1	A2	CO	4940	P -62 5330
46	9.5	9.8W	21 39.195	0.0041	13	-61 28 17.35	-0.007	13	0.15	39.179	14	46.1	17.32	14	46.1	A0	CO	4941	P -61 5675
47	10.1	10.0W	21 53.440	0.0010	15	-63 20 40.55	0.012	15	0.15	53.436	14	46.1	40.59	14	46.1	A3	CO	4942	P -63 3916
48	9.3	9.5W	22 1.171	0.0017	13	-63 33 52.00	0.021	13	0.15	1.164	14	46.1	52.08	14	46.1	A0	CO	4943	P -63 3917
49		6.6T	22 14.392	0.0015	12	-69 12 48.75	-0.041	11	0.63	14.317	22	00.3	46.66	19	99.1	B9	GC	22068	P -69 2553
50	9.4	9.3W	22 17.009	-0.0018	07	-63 10 22.12	-0.032	07	0.14	17.016	14	46.1	22.00	14	46.1	F2	CO	4945	P -62 5333
51	9.0	9.2W	16 22 23.597	0.0022	07	-60 31 24.42	-0.051	07	0.14	23.588	14	46.1	24.22	14	46.1	A0	CO	4946	P -60 6525
52		7.4T	22 32.987	-0.0016	13	-69 44 57.56	-0.008	11	0.63	33.067	22	00.5	57.15	19	98.7	B9	GC	22077	P -69 2555
53		8.0	22 36.458	-0.0004	25	-66 13 34.43	-0.056	36	1.40	36.473	45	08.3	32.07	63	08.2		M4	3589	P -66 2954
54		4.9H	23 3.880	0.0404	04	-69 58 28.74	0.101	03	0.14	2.443	06	14.5	32.13	06	16.3	G0	F4	610	P -69 2558
55		5.3T	23 17.563	0.0083	06	-63 56 48.61	0.025	06	0.27	17.212	12	07.6	49.76	12	03.5	F0	GC	22100K	P*-63 3923
56	8.2	8.2W	23 26.252	-0.0013	07	-62 29 13.69	-0.022	07	0.14	26.257	14	46.1	13.60	14	46.1	F2	CO	4948	P -62 5338
57	8.9	7.7W	23 29.198	0.0004	06	-61 30 51.49	-0.003	06	0.14	29.197	14	46.1	51.50	14	46.1	K2	CO	4949	P -61 5683
58	10.0		23 33.413	-0.0007	15	-63 15 18.69	0.027	15	0.15	33.416	14	46.1	18.79	14	46.1	A0	CO	4950	P -63 3925
59	9.1	8.0W	23 37.723	-0.0040	07	-60 37 39.59	-0.018	07	0.14	37.738	14	46.1	39.52	14	46.1	K2	CO	4951	P -60 6530
60	9.9	9.6W	23 40.206	-0.0020	15	-63 51 28.68	0.001	15	0.15	40.214	14	46.1	28.68	14	46.1	G0	CO	4952	P -63 3927
61		9.0	23 48.888	-0.0003	25	-68 18 26.28	-0.019	36	1.61	48.902	53	01.6	25.36	63	01.6		M4	3594	P -68 2727
62	9.6	9.9W	23 56.930	0.0031	07	-60 50. 29.24	0.022	07	0.14	56.918	14	46.1	29.32	14	46.1	B9	CO	4954	P -60 6531
63	9.4	9.2W	23 58.147	0.0023	07	-61 0 52.40	-0.020	07	0.14	58.138	14	46.1	52.32	14	46.1	+++	CO	4955	P -60 6532
64	10.0	9.3W	24 1.826	-0.0004	06	-62 13 6.37	-0.016	06	0.14	1.827	14	46.1	6.31	14	46.1	K0	CO	4956	P -62 5343
65	9.1	8.9W	24 6.743	-0.0005	15	-63 1 57.91	0.047	15	0.15	6.745	14	46.1	58.09	14	46.1	A5	CO	4957	P -62 5342
66	9.3	9.5W	24 16.372	-0.0008	07	-62 30 23.42	-0.006	07	0.14	16.375	14	46.1	23.39	14	46.1	A0	CO	4958	P -62 5344
67	9.3	9.5W	24 16.400	0.0005	07	-61 3 17.48	-0.041	07	0.14	16.398	14	46.1	17.32	14	46.1	A0	CO	4959	P -60 6533
68	10.0	8.8W	24 22.566	0.0024	13	-61 57 13.80	0.000	13	0.15	22.557	14	46.1	13.80	14	46.1	K5	CO	4960	P -61 5691
69	9.6	9.9W	24 40.730	0.0026	13	-60 20 33.01	0.002	13	0.15	40.720	14	46.1	33.02	14	46.1	A	CO	4961	P -60 6536
70	9.3	9.6W	24 41.008	0.0021	14	-60 24 6.11	-0.022	14	0.15	41.000	14	46.1	6.02	14	46.1	B9	CO	4962	P -60 6535
71	10.0	9.6W	24 48.116	0.0027	07	-63 25 51.58	-0.048	07	0.14	48.106	14	46.1	51.40	14	46.1	G0	CO	4963	P*-63 3934
72	8.4	8.1W	24 51.420	0.0039	06	-62 47 20.37	0.033	06	0.14	51.405	14	46.1	20.50	14	46.1	F5	CO	4964	P -62 5350
73		8.9	24 57.671	0.0026	25	-66 45 38.25	0.016	36	1.69	57.535	53	98.6	39.09	63	98.6		M4	3598	P -66 2961
74		8.9	25 8.456	0.0016	25	-66 45 57.44	0.014	36	1.68	8.372	45	98.6	58.17	63	98.6		M4	3599	P -66 2963
75	9.3	9.7W	25 20.359	0.0030	13	-62 5 52.31	-0.002	13	0.15	20.347	14	46.1	52.30	14	46.1	B9	CO	4965	P -61 5698
76	9.5	9.2W	25 20.987	-0.0025	13	-61 54 37.60	-0.049	13	0.15	20.977	14	46.1	37.40	14	46.1	G0	CO	4966	P -61 5699
77		9.1	25 29.979	-0.0053	33	-68 10 31.10	-0.043	43	2.31	30.284	75	92.5	28.64	57	92.5		M3	2073	
78	7.6	7.9W	25 30.450	-0.0004	06	-60 40 21.41	-0.024	06	0.14	30.448	14	46.1	21.32	14	46.1	A0	CO	4967	P -60 6538
79		7.9	25 35.240	-0.0003	25	-67 57 51.31	-0.088	36	1.56	35.255	36	01.4	47.04	45	01.4		M4	3600	P -67 3127
80	9.7	9.3W	25 44.139	0.0022	12	-60 27 20.39	-0.043	12	0.15	44.130	14	46.1	20.22	14	46.1	G0	CO	4968	P -60 6540
81	8.8	8.6W	26 10.543	-0.0013	06	-60 40 1.75	-0.033	06	0.14	10.548	14	46.1	1.62	14	46.1	F8	CO	4969	P -60 6542
82		5.1T	26 21.897	-0.0004	06	-61 31 30.49	-0.006	05	0.25	21.915	07	09.1	30.23	07	06.5	K0	GC	22159	P*-61 5701
83	9.5	8.6W	26 29.502	0.0013	07	-62 3 58.51	-0.026	07	0.14	29.497	14	46.1	58.40	14	46.1	K0	CO	4971	P -61 5702
84	9.5	9.3W	26 31.584	0.0053	15	-63 42 20.73	0.038	15	0.15	31.564	14	46.1	20.88	14	46.1	A5	CO	4972	P -63 3947
85		8.8	26 39.656	0.0006	25	-66 55 38.44	0.015	36	1.51	39.627	53	04.9	39.13	63	04.9		M4	3602	P -66 2970
86		6.6T	27 2.085	0.0032	20	-64 21 57.61	-0.023	16	0.77	1.953	22	08.2	56.66	19	09.0	B8	GC	22173	P -64 3507
87	9.3	9.2W	27 13.731	-0.0043	07	-60 35 0.96	-0.010	07	0.14	13.748	14	46.1	0.92	14	46.1	F5	CO	4973	P -60 6546
88		7.5T	27 20.418	0.0007	16	-62 11 0.64	-0.027	12	0.67	20.388	21	05.7	-59.37	19	02.8	B9	GC	22181K	P*-62 5362
89	9.6	10.1W	27 21.556	0.0041	09	-60 13 36.77	0.014	09	0.14	21.540	14	46.1	36.82	14	46.1	B8	CO	4975	P -60 6548
90	10.0	10.1W	27 28.020	0.0000	09	-60 4 1.15	-0.007	09	0.15	28.020	14	45.6	1.12	14	45.6	A0	CO	5258	P -59 6760
91	10.0	9.2W	27 42.715	-0.0037	07	-60 11 0.76	-0.035	07	0.14	42.730	14	46.1	0.62	14	46.1	K5	CO	4976	P -60 6553
92		9.0	28 2.128	0.0216	25	-66 45 37.58	0.033	36	1.41	1.233	53	08.6	38.96	63	08.6		M4	3606	P -66 2973
93	8.8	8.8W	28 18.884	0.0014	07	-60 31 1.99	-0.044	07	0.14	18.878	14	46.1	1.82	14	46.1	F2	CO	4977	P -60 6557
94		7.4T	28 29.778	-0.0654	12	-63 44 2.26	-0.189	10	0.58	32.952	21	01.5	-52.33	18	97.5	G0	GC	22206	P -63 3955
95	8.0	8.5W	28 30.350	0.0009	07	-61 45 9.33	-0.006	07	0.14	30.347	14	46.1	9.30	14	46.1	B9	CO	4979	P -61 5713
96	8.4	8.3W	28 37.137	0.0099	06	-60 47 53.49	0.085	06	0.14	37.098	14	46.1	53.82	14	46.1	F2	CO	4980	P -60 6558
97	7.8	8.1W	28 40.647	-0.0004	06	-60 47 51.28	-0.014	06	0.14	40.648	14	46.1	51.22	14	46.1	A0	CO	4981	P -60 6560
98	10.0		28 52.212	-0.0008	15	-62 53 27.87	0.032	15	0.15	52.216	14	46.1	28.00	14	46.1	A0	CO	4982	P -62 5372
99	9.3		28 52.772	0.0014	14	-61 52 51.95	-0.039	14	0.15	52.767	14	46.1	51.80	14	46.1	B8	CO	4983	P -61 5717
00	10.0	9.1W	28 56.275	-0.0053	07	-62 34 18.39	-0.077	07	0.14	56.295	14	46.1	18.09	14	46.1	K0	CO	4984	P -62 5373

253600			EPOCH 1950									ORIGINAL EPOCH						SP.	SOURCE		-60° 16H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h m	s	s	″.001	° ′	″	″	″.001	″	s	″.01		″	″.01					
1	7.9	7.7W	16 29	4.357	0.0026	06	-62 0	57.92	-0.030	06	0.14	4.347	14	46.1	57.80	14	46.1	KO	GC	4985	P -61 5720
2	9.7	9.9W		4.757	0.0023	14	-60 51	29.05	-0.008	14	0.15	4.748	14	46.1	29.02	14	46.1	A0	GC	4986	P -60 6562
3	9.6	8.7W		33.853	-0.0017	07	-60 10	13.32	-0.025	07	0.14	33.860	14	46.1	13.22	14	46.1	K0	GC	4988	P -60 6566
4		8.3		41.439	-0.0134	25	-64 55	19.03	0.018	36	1.79	42.179	53	94.6	20.05	53	94.6		M4	3615	F -64 3515
5		8.8		41.813	-0.0573	25	-69 54	32.87	-0.100	36	1.73	42.199	53	97.2	27.59	63	97.2		M4	3613	F -69 2582
6		8.5		47.457	0.0077	25	-68 3	32.14	-0.073	36	1.47	47.122	53	06.6	28.98	63	06.6		M4	3614	P -67 3149
7		7.8		49.098	0.0026	33	-65 54	37.82	-0.044	43	2.27	48.949	75	93.6	35.31	57	93.6		M3	2084	
8		7.2T		49.898	0.0026	12	-62 10	10.60	-0.023	10	0.57	49.773	21	01.5	9.47	19	00.8	F2	GC	22239	P -62 5378
9	10.0	9.8W		0.810	0.0034	13	-61 16	40.80	0.005	13	0.15	0.799	14	46.6	40.82	14	46.6	A0	GC	4990	P+ -61 5730
10		8.6		27.140	-0.0014	25	-67 14	23.56	-0.037	36	1.78	27.214	53	95.6	21.54	63	95.6		M4	3616	P -67 3157
11	9.8	9.0W		34.132	-0.0039	12	-62 36	58.23	0.048	12	0.15	34.145	14	46.6	58.40	14	46.6	KO	GC	4991	P -62 5381
12		8.9		36.292	0.0027	25	-67 22	26.54	-0.073	36	1.44	36.179	53	07.6	25.44	63	07.6		M4	3617	P -67 3158
13	9.0	9.5W		44.392	0.0016	07	-61 47	27.87	-0.020	07	0.14	44.387	14	46.6	27.80	14	46.6	B8	GC	4992	P -61 5734
14		5.4T		54.840	0.0057	07	-65 23	32.26	-0.042	06	0.28	54.615	12	10.6	30.44	12	06.7	KO	GC	22264	P+ -65 3331
15	9.6	10.0W	31	8.647	-0.0025	12	-62 51	42.95	0.042	12	0.15	8.655	14	46.6	43.09	14	46.6	B9	GC	4993	P -62 5385
16	9.9	10.2W	31	26.979	0.0014	12	-64 6	58.82	-0.010	12	0.15	26.974	14	46.6	58.78	14	46.6	A0	GC	4994	P -63 3973
17	8.7	8.0W	31	29.423	0.0026	06	-62 26	16.16	-0.019	06	0.14	29.417	14	46.6	16.10	14	46.6	G5	GC	4995	P -62 5387
18		7.0T	31	32.343	-0.0036	15	-66 54	8.87	-0.025	11	0.68	32.518	22	01.5	7.60	19	99.0	A0	GC	22277	P -66 2980
19	8.5	8.1W	31	48.706	-0.0025	06	-64 7	49.03	0.016	06	0.14	48.714	14	46.6	49.08	14	46.6	F8	GC	4996	P -63 3974
20	10.0	9.1W	32	2.348	-0.0001	06	-60 48	17.83	-0.032	06	0.14	2.348	14	46.6	17.72	14	46.6	G5	O GC	4997	P -60 6578
21	8.3	8.7W	32	2.951	-0.0007	07	-63 31	14.08	0.002	07	0.14	2.954	14	46.6	14.08	14	46.6	B9	GC	4998	P -63 3976
22	10.0	10.2W	32	3.815	0.0020	07	-60 50	46.37	0.015	07	0.14	3.808	14	46.6	46.42	14	46.6	B	O GC	4999	P -60 6579
23	8.6	8.7W	32	4.695	0.0027	07	-62 32	46.32	-0.008	07	0.14	4.685	14	46.6	46.29	14	46.6	A5	GC	5000	P -62 5389
24	9.3	9.4W	32	27.671	0.0008	06	-60 52	49.98	0.012	06	0.14	27.668	14	46.6	50.02	14	46.6	A5	GC	5001	P -60 6582
25	9.0	8.8W	32	32.602	-0.0045	07	-62 8	19.04	-0.042	07	0.14	32.617	14	46.6	18.95	14	46.6	F8	GC	5002	P -61 5744
26	10.2	10.3W	32	51.502	-0.0070	12	-62 50	23.76	0.041	12	0.15	51.526	14	46.6	23.89	14	46.6	B9	GC	5003	P -62 5392
27	9.7		32	55.345	0.0045	14	-60 23	23.36	0.017	14	0.15	55.330	14	46.6	23.42	14	46.6	A0	GC	5004	P -60 6584
28	8.1	8.0W	32	55.536	0.0050	07	-61 27	2.01	-0.025	07	0.14	55.519	14	46.6	1.92	14	46.6	F5	GC	5005	P -61 5746
29		8.3	33	0.191	0.0017	25	-64 56	41.05	0.056	36	1.80	0.098	45	94.6	44.14	63	94.6		M4	3622	P -64 3531
30	8.9	8.1W	33	1.660	0.0004	06	-60 40	7.01	-0.027	06	0.14	1.658	14	46.6	6.92	14	46.6	K0	GC	5007	P -60 6585
31		7.7T	33	3.356	0.0073	12	-64 8	52.20	-0.056	09	0.53	3.018	21	03.7	49.36	18	99.0	K0	GC	22310	P -63 3978
32	9.5	9.2W	33	23.882	0.0004	07	-60 27	32.09	-0.010	07	0.14	23.880	14	46.6	32.12	14	46.6	F5	GC	5009	P -60 6588
33	9.7	8.5W	33	23.899	-0.0019	07	-63 2	54.27	-0.052	07	0.14	23.906	14	46.6	54.09	14	46.6	K0	GC	5010	P -62 5393
34	9.7	10.1W	33	35.034	0.0020	09	-61 56	32.17	-0.010	09	0.14	35.027	14	46.6	32.20	14	46.6	B9	GC	5011	P -61 5749
35	9.3	9.5W	33	43.318	-0.0036	13	-60 22	24.99	-0.022	13	0.15	43.330	14	46.6	24.92	14	46.6	A0	GC	5012	P -60 6591
36	10.1	10.1W	34	15.882	-0.0035	15	-63 44	36.35	0.040	15	0.15	15.894	14	46.6	36.48	14	46.6	A8	O GC	5013	P -63 3981
37	9.3	9.0W	34	25.383	0.0021	07	-62 37	23.88	0.006	07	0.14	25.375	14	46.6	23.89	14	46.6	F8	GC	5014	P -62 5399
38		6.2T	34	26.553	0.0003	09	-60 53	26.83	-0.024	09	0.44	26.540	17	06.8	25.68	17	02.8	B5	GC	22334	P -60 6594
39	8.7	8.8W	34	56.592	0.0012	06	-60 51	46.87	-0.015	06	0.14	56.588	14	46.6	46.82	14	46.6	A3	GC	5016	P -60 6595
40	9.9	10.2W	35	8.092	-0.0016	14	-62 24	1.89	0.032	14	0.15	8.097	14	46.6	2.00	14	46.6	A0	GC	5017	P -62 5402
41	8.5	8.9W	35	11.517	-0.0009	07	-60 7	21.16	0.016	07	0.14	11.523	14	46.6	21.22	14	46.6	A0	GC	5018	P -59 6794
42	10.1	9.7W	35	20.564	-0.0030	07	-63 44	23.61	-0.067	07	0.14	20.574	14	46.6	23.38	14	46.6	G0	O GC	5019	P -63 3985
43	7.4	7.7W	35	29.351	0.0007	06	-61 3	35.05	-0.008	06	0.14	29.349	14	46.6	35.02	14	46.6	A0	GC	5020	P -60 6598
44	9.2	9.3W	35	29.730	0.0012	07	-62 50	3.66	0.009	07	0.14	29.725	14	46.6	3.69	14	46.6	A0	GC	5021	P -62 5404
45		9.2	35	30.793	-0.0033	33	-68 58	27.01	0.007	43	2.31	30.983	75	92.5	27.43	57	92.5		M3	2097	
46		8.5	35	40.931	-0.0034	33	-66 10	52.92	-0.015	43	2.31	41.124	75	92.5	52.06	57	92.5		M3	2098	
47		8.5	35	45.144	0.0031	25	-69 18	41.18	-0.015	36	1.48	45.006	45	05.6	41.87	63	05.6		M4	3627	P -69 2607
48	7.6	8.1W	36	10.332	0.0013	07	-62 27	26.55	-0.013	07	0.14	10.327	14	46.6	26.50	14	46.6	B5	GC	5022	P -62 5406
49		6.0T	36	12.524	0.0006	09	-68 11	57.64	-0.014	06	0.51	12.490	19	91.0	56.69	15	82.9	B5	GC	22379	P -68 2789
50	9.8	9.9W	36	13.880	-0.0051	15	-62 20	3.64	0.018	15	0.15	13.897	14	46.6	3.70	14	46.6	A5	GC	5023	P -62 5407
51		6.2T	16 36	26.052	0.0076	11	-60 20	54.36	-0.071	07	0.49	25.668	18	02.2	50.45	17	95.2	F8	GC	22383	P -60 6603
52	8.0	8.4W	36	31.185	0.0031	07	-63 57	26.97	0.004	07	0.14	31.174	14	46.6	26.98	14	46.6	A0	GC	5025	P -63 3990
53	9.0	9.4W	36	36.678	0.0008	06	-62 37	13.42	0.023	06	0.14	36.675	14	46.6	13.49	14	46.6	B9	GC	5026	P -62 5409
54	9.5	8.9W	36	42.301	0.0017	06	-62 47	23.33	-0.009	06	0.14	42.295	14	46.6	23.30	14	46.6	K5	GC	5027	P -62 5410
55	8.8	9.1W	37	0.341	0.0004	07	-60 29	26.46	-0.013	07	0.14	0.340	14	46.6	26.42	14	46.6	B9	GC	5028	P -60 6605
56	9.5	9.7W	37	6.168	0.0008	07	-62 30	48.93	-0.011	07	0.14	6.165	14	46.6	48.90	14	46.6	A0	GC	5029	P -62 5411
57		8.2T	37	7.312	0.0022	14	-67 23	24.04	-0.017	13	0.69	7.206	24	02.5	23.23	21	02.6	K5	GC	22402	P -67 3190
58	9.5	9.8W	37	8.187	-0.0032	11	-62 29	28.60	0.002	11	0.15	8.197	14	46.6	28.60	14	46.6	A0	GC	5030	P -62 5412
59	9.6	8.6W	37	14.775	-0.0032	15	-63 18	22.18	-0.023	15	0.15	14.786	14	46.6	22.10	14	46.6	K0	GC	5032	P -63 3993
60	9.4	9.2W	37	22.176	-0.0003	07	-61 58	34.05	-0.043	07	0.14	22.177	14	46.6	33.90	14	46.6	F2	GC	5033	P -61 5760
61	10.0	9.0W	37	30.288	-0.0028	06	-61 46	4.79	-0.025	06	0.14	30.297	14	46.6	4.70	14	46.6	K0	GC	5034	P -61 5761
62	9.3	9.6W	37	35.654	0.0016	07	-61 13	35.04	-0.007	07	0.14	35.649	14	46.6	35.02	14	46.6	A0	GC	5035	P -61 5762
63	10.0	9.7W	37	38.517	-0.0006	13	-60 48	56.36	0.017	13	0.15	38.518	14	46.6	56.42	14	46.6	F9	O GC	5036	P -60 6609
64	9.8	10.1W	37	44.513	0.0076	09	-62 27	42.32	-0.036	09	0.14	44.487	14	46.6	42.20	14	46.6	A0	GC	5037	P -62 5414
65	9.7	9.8W	37	49.026	0.0025	15	-62 9	29.15	0.014	15	0.15	49.017	14	46.6	29.20	14	46.6	F0	O GC	5038	P -62 5417
66	9.2	9.6W	37	50.242	0.0020	07	-62 31	1.40	-0.031	07	0.14	50.235	14	46.6	1.29	14	46.6	B9	GC	5039	P -62 5416
67	8.9	9.3W	37	51.016	-0.0003	06	-62 9	57.39	0.004	06	0.14	51.017	14	46.6	57.40	14	46.6	A0	GC	5040	P -62 5418
68	9.6	10.0W	37	57.895	0.0018	07	-61 20	48.10	0.007	07	0.14	57.889	14	46.6	48.12	14	46.6	A0	GC	5041	P -61 5764
69		6.9T	38	8.456	0.0019	10	-61 41	23.92	0.012	08	0.51	8.360	18	99.1	24.57	17	94.2	G5	GC	22429	P -61 5766
70	10.0	9.8W	38	11.363	0.0013	14	-60 54	27.92	-0.002	14	0.15	11.358	14	46.6	27.92	14	46.6	F5	O GC	5043	P -60 6613
71		7.2T	38	13.043	0.0051	14	-62 16	32.25	-0.023	11	0.63	12.809	21	04.1	31.11	18	01.0	K0	GC	22432	P -62 5421
72		8.0T	38	13.941	0.0016	13	-62 27	33.45	-0.009	10	0.57	13.868	19	04.2	33.02	17	03.6	K2	GC	22434K	P -62 5422
73		6.3T	38	17.279	0.0036	06	-67 20	15.97	-0.039	05	0.28	17.122	10	06.6	14.12	10	02.5	A0	GC	22435	P -67 3196
74		8.4T	38	30.312	0.0008	12	-60 49	53.67	-0.025	09	0.54	30.276	21	04.2	52.39	18	99.5	P0	GC	22442K	P+ -60 6614
75	9.1	8.9W	38	38.598	-0.0001	07	-61 13	24.44	-0.006	07	0.14	38.599	14	46.6	24.42	14	46.6	F8	GC	5048	P -61 5769
76	9.1	9.6W	38	57.335	-0.0014	07	-60 14	33.31	0.003	07	0.14	57.340	14	46.6	33.32	14	46.6	B9	GC	5049	P -60 6617
77		9.5T	39	14.398	-0.0017	11	-61 20	4.99	0.013	10	0.54	14.474	19	05.2	5.64	19	99.1	K0	GC	22461	P -61 5772
78		8.6	39	24.471	-0.0049	25	-68 42	42.27	-0.007	36	1.40	24.673	53	09.0	42.00	63	09.0		M4	3635	P -68 2800
79		9.0	39	54.885	-0.0039	25	-69 27	57.05	0.020	36	1.81	55.100	53	94.6	58.19	63	94.6		M4	3636	P -69 2619
80	10.3	10.1W	39	58.827	-0.0025	14	-62 47	51.73	0.019	14	0.15	58.835	14	46.6	51.79	14	46.6	F2	O GC	5051	P -62 5428
81	9.5	8.7W	40	8.277	0.0020	07	-60 21	1.57	0.016	07	0.14	8.270	14	46.6	1.62	14	46.6	K0	GC	5052	P -60 6621
82		8.7	40	12.916	0.0060	25	-65 46	52.13	-0.030	36	1.55	12.639	53	03.6	50.76	63	03.6		M4	3638	P -65 3353
83		8.7	40	21.355	0.0040	25	-66 24	18.48	-0.079	36	1.42	21.188	53	08.3	15.20	63	08.3		M4	3639	P -66 3005
84	8.5	8.7W	40	30.981	0.0009	06	-60 30	59.02	-0.029	06	0.14	30.978	14	46.6	58.92	14	46.6	A0	GC	5053	P -60 6623
85		7.0T	40	49.133	0.0056	10	-67 39	31.12	-0.028	10	0.57	48.836	19	97.5	29.52	18	93.3	A2	GC	22497	P -67 3202
86		7.6T	41	2.446	0.0022	16	-60 28	18.71	-0.010	11	0.63	2.352	19	07.8	18.23	18	03.6	B8	GC	22500	P -60 6629
87		7.0T	41	26.499	-0.0051	11	-61 34	18.80	-0.037	08	0.50	26.737	18	03.4	16.94	15	00.2	A0	GC	22510	P -61 5775
88		5.3T	41	37.029	-0.0009	07	-67 1	8.54	-0.017	05	0.27	37.066	10	08.8	7.76	10	04.1	A0P	GC	22513K	P -66 3009
89		6.6T	41	44.809	0.0040	08	-68 0	43.77	0.028	07	0.50	44.579	19	92.2	45.53	18	87.0	A0	GC	22516	P -67 3204
90		8.3	41	57.735	0.0060	25	-66 43	21.10	0.050	36	1.51	57.459	45	03.8	23.41	53	03.8		M4	3645	P -66 3012
91		8.4	41	59.787	-0.0039	25	-69 3	46.86	-0.066	36	1.77	+ 0.002	45	95.0	43.25	53	95.0		M4	3643	P -68 2815
92	9.7	9.3W	42	22.875	0.0103	13	-60 7	18.50	-0.024	13	0.15	22.840	14	46.6	18.42	14	46.6	F8	O GC	5056	P -59 6822
93	8.3	8.7W	42	28.212	0.0010	07	-60 55	6.80	-0.024	07	0.14	28.208	14	46.6	6.72	14	46.6	B9	GC	5057	P -60 6635
94	8.6	8.8W	42	40.161	-0.0015	07	-62 51	37.09	0.001	07	0.14	40.165	14	46.6	37.09	14	46.6	A0	GC	5058	P -62 5432
95		8.9	42	46.140	0.0051	25	-68 27	20.29	-0.040	36	1.75	45.868	53	96.6	18.14	63	96.6		M4	3647	P -68 2820
96	9.1	9.2W	42	53.896	-0.0029	14	-62 38	54.16	-0.018	14	0.15	53.905	14	46.6	54.09	14	46.6	A2	GC	5059	P -62 5433
97	9.9	9.5W	42	57.889	-0.0080	07	-63 26	9.11	-0.065	07	0.14	57.916	14	46.6	8.89	14	46.6	F8	GC	5060	P -63 4009
98	9.6	8.6W	43	3.692	-0.0014	06	-62 3	36.57	-0.021	06	0.14	3.697	14	46.6	36.50	14	46.6	K2	GC	5061	P -61 5778
99	9.2	8.5W	43	14.283	0.0015	07	-61 4	10.54	-0.034	07	0.14	14.279	14	46.6	10.42	14	46.6	G5	GC	5062	P+ -60 6636
00		1.9H	43	21.059	0.0052	02	-68 56	19.89	-0.034	02	0.08	20.788	04	98.1	18.45	04	07.0	K2	F4	625	P -68 2822

253700			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-60° 16H
NUMBER	MAGNITUDES m_{pg}	m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1	9.4	9.2W	16 43 22.630	0.0008	07	-61 42 49.11	-0.061	07	0.14	22.627	14	46.6	48.90	14	46.6	F5	CO	5063	P -61 5780	
2	8.5	8.8W	43 53.615	0.0003	06	-63 45 39.23	-0.015	06	0.14	53.614	14	46.6	39.18	14	46.6	A0	CO	5064	P -63 4010	
3		7.3T	44 0.412	0.0007	11	-61 24 3.72	-0.007	09	0.54	0.378	19	01.5	3.33	18	97.0	K0	GC	22580	P -61 5784	
4	9.3	9.6W	44 23.428	0.0058	13	-61 2 29.53	-0.003	13	0.15	23.409	14	46.6	29.52	14	46.6	A0	CO	5066	P -60 6642	
5		7.9T	44 26.223	-0.0018	15	-61 18 1.61	-0.012	12	0.65	26.304	21	05.2	1.01	19	01.1	A0	GC	22587	P -61 5787	
6	9.4	9.8W	44 35.039	0.0027	13	-60 22 45.54	-0.006	13	0.15	35.030	14	46.6	45.52	14	46.6	B9	O CO	5068	P -60 6644	
7	9.8	10.0W	45 1.303	-0.0007	15	-62 59 33.70	-0.027	15	0.15	1.305	14	46.6	33.79	14	46.6	A0	CO	5069	P -62 5443	
8	9.6	9.4W	45 9.079	-0.0013	06	-63 44 18.88	-0.001	06	0.14	9.084	14	46.6	18.88	14	46.6	A5	CO	5070	P -63 4015	
9	9.6	8.8W	45 11.079	0.0004	06	-62 18 44.78	-0.022	06	0.14	11.077	14	46.6	44.70	14	46.6	K0	CO	5071	P -62 5445	
10	9.5	9.5W	45 44.490	0.0006	07	-62 19 13.39	0.005	07	0.14	44.487	14	46.6	13.40	14	46.6	A5	CO	5073	P -62 5449	
11		8.6	46 11.618	-0.0010	25	-69 30 14.74	0.008	36	1.78	11.671	53	95.6	15.15	63	95.6		M4	3657	P -69 2636	
12	9.1	9.2W	46 13.981	0.0015	06	-63 13 19.15	-0.016	06	0.14	13.976	14	46.6	19.10	14	46.6	A0	CO	5074	P -63 4019	
13	10.8	9.2W	46 16.897	-0.0008	13	-60 19 14.90	-0.025	13	0.15	16.900	14	46.6	14.82	14	46.6	K5	O CO	5075	P -60 6652	
14	9.5	9.9W	46 17.394	-0.0006	07	-63 24 25.06	-0.012	07	0.14	17.396	14	46.6	25.10	14	46.6	B9	O CO	5076	P -63 4020	
15	8.7	8.8W	46 28.853	0.0021	07	-62 52 30.28	-0.026	07	0.14	28.845	14	46.6	30.19	14	46.6	A5	CO	5077	P -62 5451	
16	10.0	9.9W	46 31.337	0.0021	13	-60 18 21.61	0.003	13	0.15	31.330	14	46.6	21.62	14	46.6	A2	O CO	5078	P -60 6654	
17		6.3T	47 1.436	-0.0002	07	-65 17 27.15	-0.011	05	0.25	1.443	09	11.8	26.68	09	08.0	B8	GC	22641	P*-65 3365	
18		6.4T	47 9.423	-0.0113	10	-67 35 49.00	-0.065	07	0.54	10.020	21	96.9	45.02	19	88.8	K0	GC	22645	P -67 3232	
19	10.0	9.8W	47 9.764	-0.0412	15	-64 3 20.00	0.024	15	0.15	9.904	14	46.6	20.08	14	46.6	F5	O CO	5080	P -63 4022	
20	8.5	8.5W	47 10.260	0.0001	06	-60 28 43.63	-0.033	06	0.14	10.260	14	46.6	43.52	14	46.6	F0	CO	5081	P -60 6658	
21		8.0T	47 35.231	-0.0001	13	-62 39 9.50	-0.058	11	0.56	35.235	18	08.0	6.76	18	02.9	F5	GC	22657K	P*-62 5454	
22		8.6	48 1.321	-0.0040	25	-66 33 17.88	-0.058	36	1.69	1.529	53	98.6	14.92	63	98.6		M4	3662	P -66 3027	
23		7.4T	48 20.986	-0.0011	12	-68 58 18.40	-0.017	12	0.63	21.040	21	01.2	17.50	19	98.8	K5	GC	22675	P -68 2836	
24	8.2	8.6W	48 23.687	-0.0002	06	-60 44 2.39	-0.019	06	0.14	23.688	14	46.1	2.32	14	46.1	A0	CO	5084	P -60 6660	
25	9.6	9.6W	48 45.098	0.0027	07	-60 53 27.60	-0.022	07	0.14	45.088	14	46.1	27.52	14	46.1	F2	O CO	5085	P -60 6662	
26		8.0T	48 50.167	0.0064	13	-63 9 7.83	-0.036	09	0.57	49.873	21	04.2	5.95	18	98.0	A0	GC	22686	P -63 4026	
27	9.2	9.1W	49 37.586	-0.0030	07	-60 32 57.65	-0.034	07	0.14	37.598	14	46.1	57.52	14	46.1	F6	O CO	5087	P -60 6664	
28	9.0	7.4W	49 51.767	0.0004	06	-63 22 26.80	-0.028	06	0.14	51.766	14	46.1	26.69	14	46.1	K5	CO	5088	P -63 4031	
29		7.5T	50 0.242	-0.0021	13	-69 11 55.85	0.005	12	0.66	0.344	21	01.7	56.08	19	98.3	B9	GC	22721	P -69 2647	
30	10.3	10.0W	50 3.913	0.0019	15	-62 37 33.91	-0.004	15	0.15	3.905	14	46.1	33.89	14	46.1	F3	O CO	5089	P -62 5458	
31	9.1	9.3W	50 4.885	0.0021	07	-61 42 14.57	0.009	07	0.14	4.877	14	46.1	14.60	14	46.1	A0	CO	5090	P -61 5801	
32	10.1	9.4W	50 38.785	-0.0082	09	-61 47 20.99	-0.074	09	0.14	38.817	14	46.1	20.70	14	46.1	G5	O CO	5091	P -61 5803	
33	9.8	9.9W	50 41.619	0.0008	15	-62 58 33.35	0.011	15	0.15	41.615	14	46.1	33.39	14	46.1	A4	O CO	5092	P -62 5460	
34		6.1T	50 43.984	0.0023	07	-63 11 21.63	-0.024	05	0.28	43.896	12	12.0	20.50	12	03.3	A0	GC	22739K	P -63 4032	
35	10.3	8.9W	50 51.417	-0.0001	08	-62 14 11.78	0.006	08	0.14	51.417	14	46.1	11.80	14	46.1	K0	CO	5094	P -62 5463	
36	8.4	7.3W	51 7.082	-0.0015	07	-60 35 49.39	-0.019	07	0.14	7.088	14	46.1	49.32	14	46.1	K2	CO	5095	P -60 6667	
37		8.0T	51 17.280	-0.0030	17	-65 13 48.63	-0.093	14	0.73	17.410	22	06.5	44.36	21	04.1	F8	GC	22760	P -65 3372	
38		8.8	51 24.331	-0.0069	25	-68 16 24.25	-0.039	36	1.66	24.680	53	99.6	22.28	63	99.6		M4	3674	P -68 2842	
39		7.9	51 40.728	0.0100	33	-67 5 8.47	-0.050	43	2.27	40.164	75	93.5	5.65	57	93.6		M3	2134		
40		6.8T	51 44.403	-0.0006	10	-61 33 40.93	-0.014	08	0.49	44.434	19	99.4	40.12	17	93.5	A0	GC	22776	P -61 5808	
41	8.9	8.7W	51 47.447	0.0000	07	-62 27 54.40	0.026	07	0.14	47.447	14	46.1	54.50	14	46.1	F5	CO	5098	P -62 5466	
42	9.4	9.2W	51 48.102	0.0014	07	-61 41 33.43	-0.033	07	0.14	48.097	14	46.1	33.30	14	46.1	F2	O CO	5099	P -61 5809	
43	9.6	8.9W	51 48.728	-0.0014	07	-63 48 15.77	-0.021	07	0.14	48.734	14	46.1	15.68	14	46.1	G6	O CO	5100	P -63 4034	
44		8.1T	51 51.968	-0.0013	15	-60 4 52.14	-0.022	13	0.63	52.023	19	07.6	51.17	19	06.4	B9	GC	22780	P -59 6863	
45	8.4	8.7W	52 18.235	0.0022	10	-61 54 59.25	-0.014	10	0.15	18.227	14	46.1	59.20	14	46.1	A0	CO	5102	P -61 5810	
46	8.5	8.1W	52 19.900	0.0041	15	-64 6 35.71	-0.006	15	0.15	19.884	14	46.1	35.68	14	46.1	G0	CO	5103	P -63 4035	
47	8.9	8.4W	52 23.137	0.0023	07	-60 52 44.44	0.046	07	0.14	23.128	14	46.1	44.62	14	46.1	G5	CO	5104	P*-60 6673	
48		6.8T	53 2.364	-0.0019	14	-60 31 20.04	-0.006	10	0.60	2.450	21	05.4	19.72	18	99.9	B8	GC	22811	P -60 6676	
49	10.0	9.8W	53 4.954	-0.0014	13	-62 4 57.21	-0.054	13	0.15	4.957	14	46.1	57.00	14	46.1	F1	O CO	5106	P -61 5811	
50	9.3	9.7W	53 15.201	0.0040	13	-63 5 10.56	0.009	13	0.15	15.185	14	46.1	10.59	14	46.1	A0	CO	5108	P -62 5470	
51		7.8	16 53 15.436	0.0060	25	-67 26 41.02	-0.131	36	1.39	15.191	53	09.3	35.69	63	09.3		M4	3679	P -67 3257	
52	9.9	8.1W	53 19.915	0.0020	07	-62 29 21.40	0.001	07	0.14	19.907	14	46.1	21.40	14	46.1	MB	CO	5109	P -62 5471	
53		6.6T	53 23.133	-0.0008	10	-65 7 35.52	-0.040	07	0.51	23.175	19	96.4	33.02	15	87.6	A3F	GC	22818	P -65 3377	
54	8.5	8.9W	54 1.359	0.0002	06	-60 37 52.87	-0.014	06	0.14	1.358	14	46.1	52.82	14	46.1	A0	CO	5111	P -60 6679	
55		7.5T	54 8.259	0.0068	16	-61 39 49.94	-0.056	09	0.64	7.960	21	05.9	47.04	18	98.5	F5	GC	22836	P -61 5817	
56		6.0T	54 10.709	-0.0022	06	-69 11 32.33	-0.017	05	0.27	10.803	10	07.5	31.52	10	03.9	A0	GC	22837	P -69 2666	
57	9.0	9.3W	54 15.743	0.0014	07	-62 5 5.34	-0.011	07	0.14	15.737	14	46.1	5.30	14	46.1	A0	CO	5113	P -61 5818	
58		8.2	54 28.543	-0.0130	25	-67 7 30.64	-0.078	36	1.78	29.250	53	95.6	26.40	63	95.6		M4	3685	P -67 3260	
59	9.5	8.2W	54 32.939	-0.0036	07	-63 33 13.64	0.012	07	0.14	32.954	14	46.1	13.68	14	46.1	K0	CO	5114	P -63 4040	
60	9.4	9.4W	54 33.035	-0.0028	07	-63 19 3.87	0.005	07	0.14	33.046	14	46.1	3.89	14	46.1	A2	CO	5115	P -63 4041	
61	9.5	8.8W	54 37.343	0.0049	07	-63 32 47.87	-0.099	07	0.14	37.324	14	46.1	47.48	14	46.1	G5	CO	5116	P -63 4042	
62	9.9	10.0W	54 51.806	-0.0021	15	-63 34 22.50	0.021	15	0.15	51.814	14	46.1	22.58	14	46.1	A0	CO	5117	P -63 4043	
63	9.4	9.5W	55 2.933	-0.0002	13	-63 32 37.44	0.035	13	0.15	2.934	14	46.1	37.58	14	46.1	A2	CO	5119	P -63 4044	
64	10.0	10.1W	55 21.931	-0.0012	13	-63 10 41.06	0.007	13	0.15	21.935	14	46.1	41.09	14	46.1	A0	O CO	5121	P -63 4045	
65	9.4	9.3W	55 33.510	0.0032	07	-61 5 32.50	0.005	07	0.14	33.498	14	46.1	32.52	14	46.1	A0	CO	5122	P -60 6680	
66			56 4.956	0.0020	07	-61 19 50.48	-0.017	07	0.14	4.948	14	46.1	50.42	14	46.1	MA	CO	5124V	P*-61 5820	
67		7.9	56 24.793	0.0021	25	-69 20 12.98	-0.019	36	1.66	24.687	53	99.7	12.04	63	99.7		M4	3691	P -69 2673	
68	10.1	10.1W	56 29.701	0.0012	14	-61 30 2.06	0.010	14	0.15	29.697	14	46.1	2.10	14	46.1	B9	O CO	5127	P -61 5822	
69	10.2	9.3W	56 37.107	0.0055	09	-63 19 53.49	-0.000	09	0.14	37.085	14	46.1	53.49	14	46.1	K0	CO	5128	P -63 4046	
70	9.7	9.7W	56 39.458	0.0006	07	-63 29 45.89	0.001	07	0.14	39.456	14	46.1	45.89	14	46.1	A2	CO	5129	P -63 4047	
71	10.0	8.9W	56 50.193	0.0018	08	-63 11 28.86	-0.018	08	0.14	50.185	14	46.1	28.79	14	46.1	K0	CO	5130	P -63 4048	
72		7.6T	57 18.768	-0.0019	13	-62 4 0.82	-0.054	11	0.57	18.849	19	07.5	-58.39	18	05.2	F2	GC	22912	P -61 5824	
73		8.9	57 25.654	-0.0000	25	-66 50 55.41	0.006	36	1.63	25.655	31	98.5	55.72	36	98.5		M4	3693	P -66 3052	
74	10.8	9.8W	57 37.079	0.0054	07	-60 58 16.67	0.039	07	0.14	37.058	14	46.1	16.82	14	46.1	K0	O CO	5132	P -60 6687	
75	9.6	8.8W	57 43.883	-0.0065	07	-61 29 38.07	-0.166	07	0.14	43.908	14	46.1	37.42	14	46.1	K0	CO	5133	P -61 5825	
76	9.9	9.8W	57 54.863	-0.0018	13	-60 22 30.39	0.006	13	0.15	54.870	14	46.1	30.42	14	46.1	F2	O CO	5134	P -60 6689	
77	9.5	8.0W	58 42.068	0.0008	07	-62 30 9.46	0.008	07	0.14	42.065	14	46.1	9.49	14	46.1	K5	CO	5136	P -62 5480	
78	8.9	8.9W	58 43.125	0.0020	07	-61 56 12.62	-0.005	07	0.14	43.117	14	46.1	12.60	14	46.1	A3	CO	5137	P -61 5827	
79	9.9	9.7W	58 50.957	0.0024	14	-62 21 37.61	0.025	14	0.15	50.947	14	46.1	37.70	14	46.1	F5	CO	5138	P -62 5481	
80	9.9	10.1W	58 51.725	-0.0002	15	-63 15 11.47	0.005	15	0.15	51.725	14	46.1	11.49	14	46.1	A0	CO	5139	P -63 4052	
81	9.9	8.8W	58 55.374	-0.0006	07	-61 40 24.11	-0.052	07	0.14	55.377	14	46.1	23.90	14	46.1	K0	CO	5140	P -61 5828	
82	9.8	8.4W	59 7.915	0.0020	14	-61 52 46.90	-0.000	14	0.15	7.907	14	46.1	46.90	14	46.1	K2	CO	5141	P -61 5829	
83		6.3T	59 18.123	0.0033	13	-68 12 31.25	-0.027	10	0.65	17.962	22	00.6	29.75	19	94.5	MB	GC	22961	P -68 2875	
84	8.5	8.6W	59 18.951	0.0003	09	-60 10 1.25	-0.009	09	0.15	18.949	14	45.6	1.21	14	45.6	A0	CO	5435	P -60 6690	
85		8.2	59 27.754	0.0050	25	-65 34 51.04	-0.005	36	1.59	27.505	31	99.8	50.80	36	99.8		M4	3697	P -65 3389	
86	9.5	9.2W	59 40.769	-0.0046	07	-62 29 4.00	-0.025	07	0.14	40.787	14	46.1	3.90	14	46.1	G0	CO	5143	P -62 5483	
87	10.0	9.7W	59 41.238	0.0022	09	-60 5 16.57	-0.014	09	0.14	41.230	14	46.1	16.52	14	46.1	A5	O CO	5144	P -59 6894	
88	9.8	8.2W	17 0 4.589	0.0002	07	-60 48 3.97	-0.039	07	0.14	4.588	14	46.1	3.82	14	46.1	K5	CO	5145	P -60 6692	
89	8.6	9.0W	0 50.696	0.0028	06	-62 34 56.82	-0.008	06	0.14	50.685	14	46.1	56.79	14	46.1	A0	CO	5147	P -62 5485	
90	8.4	8.3W	1 12.126	0.0020	06	-60 51 57.62	-0.027	06	0.14	12.118	14	46.1	57.52	14	46.1	A3	CO	5148	P -60 6694	
91	9.5	8.6W	1 34.048	0.0029	06	-62 14 21.49	0.002	06	0.14	34.037	14	46.1	21.50	14	46.1	K0	CO	5150	P -62 5488	
92		7.2T	1 44.140	0.0018	12	-60 21 11.61	-0.003	11	0.52	44.062	18	06.9	11.47	18	06.2	K2	GC	23031	P -60 6695	
93	9.3	9.5W	1 46.077	0.0022	07	-61 12 39.54	-0.005	07	0.14	46.068	14	46.1	39.52	14	46.1	A2	CO	5152	P -61 5834	
94		8.5	1 55.115	0.0051	25	-69 11 38.50	-0.019	36	1.76	54.841	53	96.2	37.50	63	96.2		M4	3703	P -69 2686	
95	9.4	9.4W	1 57.458	0.0021	13	-60 4 47.12	-0.002	13	0.15	57.450	14	46.1	47.12	14	46.1	A5	CO	5153	P -59 6900	
96	9.8	9.3W	2 10.692	0.0047	11	-63 55 25.74	-0.016	11	0.15	10.674	14	46.1	25.68	14	46.1	G0	CO	5154	P -63 4057	
97	9.6	9.9W	2 28.667	0.0024	07	-60 35 51.84	-0.007	07	0.14	28.658	14	46.1	51.82	14	46.1	A0	CO	5155	P -60 6699	
98		7.2T	2 29.430	-0.0021	09	-65 40 50.17	-0.058	07	0.48	29.544	19	96.6	46.79	18	91.5	F2	GC	23044	P -65 3394	
99	9.7	9.6W	2 37.545	0.0001	15	-62 32 43.66	0.033	15	0.15	37.545	14	46.1	43.79	14	46.1	A2	CO	5156	P -62 5490	
00	10.0	9.8W	2 39.058	0.0001	12	-62 26 57.13	0.018	12	0.15	39.057	14	46.1	57.20	14	46.1	F8	CO	5157	P -62 5491	

253800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu 1950}$ ″.001	σ ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 17H DM NUMBER
1		7.3	17 2 42.359	0.0000	25	-67 7 22.15	-0.077	36	1.41	42.359	53	08.6	18.97	63	08.6		M4	3706	P -67 3281
2	8.6	8.7W	2 51.523	-0.0001	07	-63 38 51.17	-0.024	07	0.14	51.524	14	46.1	51.08	14	46.1	A3	C0	5158	P -63 4059
3	9.5	9.9W	3 0.364	-0.0017	14	-62 16 7.90	-0.026	14	0.15	0.357	14	46.1	8.00	14	46.1	B9	C0	5159	P -62 5492
4		8.0T	3 1.697	-0.0019	16	-63 46 14.42	-0.069	13	0.68	1.781	21	05.9	14.03	19	04.5	A0	GC	23760	P -63 4060
5	9.5	9.6W	3 7.652	0.0038	13	-61 53 15.38	-0.019	13	0.15	7.637	14	46.1	15.30	14	46.1	A0	C0	5161	P -61 5836
6	9.3	9.5W	3 30.428	0.0051	13	-61 5 49.72	0.024	13	0.15	30.458	14	46.1	49.82	14	46.1	A2	C0	5162	P -60 6702
7	9.1	9.2W	3 39.474	0.0014	06	-60 41 7.87	-0.012	06	0.14	39.468	14	46.1	7.82	14	46.1	A0	C0	5163	P -60 6703
8	9.3	9.4W	3 46.151	0.0009	13	-61 12 48.80	-0.025	13	0.15	46.148	14	46.1	48.72	14	46.1	A2	C0	5164	P -61 5838
9	9.6	9.5W	3 48.725	0.0045	07	-62 4 13.67	0.010	07	0.14	48.707	14	46.1	13.70	14	46.1	F2	C0	5165	P -61 5837
10		6.8T	3 48.754	-0.0002	07	-68 46 55.48	-0.040	05	0.27	48.763	10	09.6	53.63	10	03.2	A0	GC	23782	P* -68 2892
11	9.2	9.3W	3 50.921	0.0007	07	-60 46 56.69	-0.019	07	0.14	50.918	14	46.1	56.62	14	46.1	A0	C0	5166	P -60 6705
12	9.5	8.7W	4 22.718	0.0029	13	-61 34 27.32	-0.004	13	0.15	22.707	14	46.1	27.30	14	46.1	K0	C0	5168	P -61 5841
13		8.1	4 22.734	-0.0010	25	-65 15 17.30	-0.022	36	1.63	22.784	36	99.1	16.18	45	99.1		M4	3719	P -65 3398
14	9.9	9.2W	4 23.567	-0.0004	07	-61 0 18.94	-0.005	07	0.14	23.568	14	46.1	18.92	14	46.1	G5	C0	5169	P -60 6710
15	8.8	8.1W	4 55.682	0.0012	06	-60 33 15.23	-0.027	06	0.14	55.678	14	46.1	15.12	14	46.1	G5	C0	5170	P -60 6712
16	8.5	8.6W	5 8.192	0.0010	07	-61 2 26.02	-0.025	07	0.14	8.188	14	46.1	25.92	14	46.1	A3	C0	5171	P -60 6714
17	10.6	9.3W	5 8.552	-0.0034	09	-63 15 42.19	-0.024	09	0.14	8.565	14	46.1	42.09	14	46.1	K0	C0	5172	P -63 4066
18		6.5T	5 31.827	-0.0014	07	-61 36 44.72	-0.005	05	0.28	31.880	12	12.4	44.49	12	06.3	B9	GC	23117	P -61 5842
19	8.1	7.5W	5 40.098	0.0129	06	-60 40 26.86	0.605	06	0.14	40.048	14	46.1	29.22	14	46.1	G5	C0	5174	P -60 6718
20	10.5		6 22.063	-0.0037	13	-60 0 7.92	-0.025	13	0.15	22.079	14	45.7	7.82	14	45.7	F5	C0	5175	P -59 6910
21	9.9	9.2W	6 22.198	0.0021	13	-60 17 34.91	-0.045	13	0.15	22.190	14	45.7	34.72	14	45.7	G5	C0	5176	P -60 6719
22	9.8	10.1W	7 9.099	0.0026	09	-60 59 1.14	-0.027	09	0.15	9.088	14	45.7	1.02	14	45.7	B9	C0	5178	P -60 6723
23		8.9	7 20.142	-0.0049	25	-68 47 59.85	-0.051	36	1.43	20.349	53	08.0	57.72	63	08.0		M4	3715	P -68 2901
24		7.5T	7 20.787	-0.0016	12	-66 32 56.67	-0.032	11	0.63	20.869	19	99.2	54.97	18	96.8	K5	GC	23154	P -66 3070
25		9.0T	7 40.850	-0.0013	13	-66 32 52.83	-0.007	14	0.71	40.914	19	01.3	52.49	21	00.3	K0	GC	23164	P -66 3071
26		7.0T	7 48.974	0.0013	10	-63 37 30.36	-0.015	08	0.50	48.910	19	99.7	29.57	18	95.4	B9	GC	23168	P -63 4070
27		5.9T	8 10.256	-0.0295	11	-67 8 9.64	-0.092	08	0.53	11.802	18	97.6	4.45	15	93.5	K0	GC	23174K	P -67 3296
28		8.0	8 41.447	0.0000	25	-67 18 38.55	-0.041	36	1.49	41.446	45	05.7	36.70	63	04.7		M4	3721	P -67 3299
29		8.3T	8 50.622	0.0022	16	-65 37 42.44	-0.016	12	0.69	50.524	21	04.7	41.68	19	01.6	A0	GC	23186	P -65 3458
30	8.9	8.6W	9 1.151	0.0004	06	-60 27 8.66	-0.011	06	0.14	1.150	14	45.7	8.62	14	45.7	G0	C0	5180	P -60 6725
31		7.3T	9 7.294	0.0024	13	-65 54 12.05	-0.100	11	0.59	7.191	21	06.4	7.28	19	02.2	K2	GC	23193	P -65 3409
32		9.0	9 15.679	-0.0039	33	-67 56 50.65	-0.010	43	2.31	15.905	75	92.5	50.07	57	92.5		M3	2173	
33		8.6	9 16.123	-0.0049	25	-67 46 50.18	-0.068	36	1.75	16.387	53	96.6	46.54	63	96.6		M4	3725	P -67 3301
34	10.8	9.8W	9 16.428	0.0023	14	-61 29 39.96	-0.010	14	0.15	16.418	14	45.7	39.92	14	45.7	K	C0	5181	P -61 5849
35	9.7	9.7W	9 20.535	0.0017	15	-61 29 20.93	-0.027	15	0.16	20.528	14	45.7	20.82	14	45.7	A2	C0	5182	P -61 5851
36	8.7	8.9W	9 23.049	0.0028	07	-62 3 12.87	-0.015	07	0.14	23.037	14	45.7	12.80	14	45.7	A0	C0	5183	P -61 5850
37	9.7	9.5W	9 24.991	0.0030	07	-60 48 23.55	-0.053	07	0.14	24.978	14	45.7	23.32	14	45.7	F8	C0	5184	P -60 6726
38		8.4	9 25.953	-0.0049	25	-69 35 44.69	-0.034	36	1.44	26.170	45	06.1	43.22	53	06.1		M4	3724	P -69 2703
39		7.6T	9 30.897	-0.0020	16	-64 34 22.32	-0.038	12	0.68	30.989	21	05.0	20.47	19	01.5	K0	GC	23252	P -64 3607
40	8.7	9.0W	9 31.142	0.0014	07	-63 29 44.27	-0.019	07	0.14	31.135	14	45.7	44.19	14	45.7	A5	C0	5185	P -63 4074
41		7.2T	9 35.807	-0.0002	12	-62 40 34.80	-0.029	09	0.55	35.816	21	03.5	33.31	18	98.9	B8	GC	23203	P -62 5500
42		8.7T	9 40.641	-0.0049	13	-62 47 7.57	-0.070	12	0.62	40.867	21	03.8	4.21	21	02.1	F8	GC	23206	P -62 5501
43	9.1	9.2W	9 42.939	0.0026	07	-61 5 46.08	-0.014	07	0.14	42.928	14	45.7	46.02	14	45.7	A2	C0	5188	P -61 5852
44	8.7	8.7W	9 49.366	0.0047	07	-62 59 39.21	0.018	07	0.14	49.345	14	45.7	39.29	14	45.7	F0	C0	5189	P -62 5502
45	8.9	8.0W	9 55.494	-0.0023	06	-63 48 29.38	0.047	06	0.14	55.503	14	45.7	29.58	14	45.7	K2	C0	5190	P -63 4075
46	9.6	9.8W	10 1.583	0.0008	07	-60 29 25.07	-0.013	07	0.14	1.580	14	45.7	25.02	14	45.7	A0	C0	5191	P -60 6727
47	9.1	9.0W	10 30.090	-0.0009	07	-64 7 0.91	-0.007	07	0.14	30.094	14	45.7	0.88	14	45.7	A5	C0	5192	P -64 3611
48		8.5	10 44.751	-0.0039	25	-68 15 56.75	-0.047	36	1.39	44.911	53	09.3	54.78	63	09.3		M4	3731	P -68 2905
49	8.0	8.4W	10 4.971	-0.0009	06	-62 35 34.55	-0.010	06	0.14	4.975	14	45.7	34.59	14	45.7	B8	C0	5193	P -62 5505
50	7.6	7.5W	11 12.866	-0.0003	06	-60 44 32.75	-0.007	06	0.14	12.866	14	45.7	32.72	14	45.7	A2	C0	5194	P -60 6730
51	9.9	8.9W	17 11 36.895	0.0040	09	-61 7 48.04	-0.005	09	0.15	36.878	14	45.7	48.02	14	45.7	K0	C0	5195	P -61 5854
52	9.0	9.0W	11 54.680	0.0052	13	-61 0 14.11	-0.020	13	0.15	54.658	14	45.7	14.02	14	45.7	F0	C0	5196	P -60 6734
53	8.7	8.5W	11 58.757	0.0021	13	-61 22 4.66	-0.010	13	0.15	58.748	14	45.7	4.62	14	45.7	F8	C0	5197	P -61 5856
54		7.6T	12 7.455	-0.0013	17	-60 54 3.61	-0.009	13	0.71	7.398	21	06.2	3.16	19	02.4	A0	GC	23268	P -60 6737
55		8.5	12 17.163	-0.0060	25	-66 17 36.69	-0.034	36	1.78	17.436	53	95.6	34.85	63	95.6		M4	3738	P -66 3081
56		6.8T	12 18.174	-0.0019	10	-66 53 40.35	-0.134	08	0.54	18.277	21	95.7	32.31	18	90.0	G5	GC	23275	P -66 3080
57	10.0	9.0W	12 37.432	-0.0008	08	-63 7 10.66	-0.038	08	0.14	37.435	14	45.7	10.49	14	45.7	K2	C0	5199	P -63 4080
58	9.7	9.1W	12 47.666	0.0086	14	-60 13 5.95	0.015	14	0.15	47.629	14	45.7	6.02	14	45.7	G5	C0	5200	P* -60 6745
59		7.5T	13 3.075	0.0009	17	-60 47 25.97	-0.047	11	0.68	3.037	21	06.3	23.68	19	01.6	A3	GC	23296	P -60 6749
60	10.1	9.8W	13 11.455	0.0017	09	-61 0 9.11	-0.020	09	0.15	11.448	14	45.7	9.02	14	45.7	F8	C0	5202	P -60 6751
61	8.9	7.6W	13 14.988	0.0007	06	-62 38 54.69	-0.047	06	0.14	14.985	14	45.7	54.49	14	45.7	K5	C0	5203	P -62 5512
62	9.4	9.6W	13 26.791	0.0034	13	-61 49 31.03	-0.053	13	0.15	26.777	14	45.7	30.80	14	45.7	A0	C0	5204	P -61 5867
63	9.7	9.8W	13 29.033	-0.0000	07	-63 38 15.68	0.001	07	0.14	29.033	14	45.7	15.68	14	45.7	A0	C0	5205	P -63 4081
64	9.8	9.3W	13 55.012	-0.0053	09	-62 32 44.41	-0.120	09	0.15	55.035	14	45.7	43.89	14	45.7	G5	C0	5206	P -62 5514
65	9.4	9.2W	13 59.495	0.0017	06	-60 41 23.80	-0.041	06	0.14	59.488	14	45.7	23.62	14	45.7	F2	C0	5207	P -60 6760
66	9.6	9.7W	13 59.777	0.0008	13	-63 45 51.62	-0.009	13	0.15	59.773	14	45.7	51.58	14	45.7	A2	C0	5208	P -63 4083
67		6.6T	14 10.475	-0.0072	10	-62 49 18.30	-0.021	07	0.49	10.838	19	99.6	17.14	18	95.3	K5	GC	23325	P -62 5518
68	9.4	9.6W	14 27.948	-0.0016	07	-62 43 23.55	-0.014	07	0.14	27.955	14	45.7	23.49	14	45.7	A2	C0	5211	P -62 5519
69	8.9	8.8W	14 38.455	0.0004	07	-64 3 39.55	-0.017	07	0.14	38.454	14	45.7	39.48	14	45.7	F0	C0	5213	P -63 4085
70		6.6T	14 38.862	-0.0073	11	-69 59 28.42	-0.201	12	0.64	39.251	21	96.9	17.71	21	96.6	G5	GC	23337K	P* -69 2715
71	10.2	10.3W	15 8.238	0.0002	09	-60 40 53.59	-0.041	09	0.15	8.238	14	45.7	53.42	14	45.7	A2	C0	5216	P -60 6772
72		8.7	15 18.260	0.0071	33	-69 2 38.44	-0.023	43	2.28	17.853	63	92.5	37.14	53	92.5		M3	2187	
73	9.1	8.8W	15 20.379	0.0004	06	-62 3 47.04	-0.031	06	0.14	20.377	14	45.7	46.90	14	45.7	F8	C0	5217	P -61 5885
74	9.0	9.2W	15 26.112	-0.0034	14	-62 26 58.34	-0.009	14	0.15	26.127	14	45.7	58.30	14	45.7	A0	C0	5218	P -62 5523
75		8.6	15 45.584	0.0171	25	-68 37 24.94	0.020	36	1.67	44.704	45	98.4	26.00	53	98.4		M4	3747	P -68 2912
76	9.5	8.5W	16 1.440	0.0038	07	-63 53 44.73	-0.011	07	0.14	1.424	14	45.7	44.68	14	45.7	K5	C0	5219	P -63 4087
77	9.9	9.9W	16 25.252	0.0036	07	-61 39 32.80	-0.022	07	0.14	25.237	14	45.7	32.70	14	45.7	A0	C0	5221	P -61 5890
78		7.0T	16 27.664	-0.0003	13	-63 31 55.14	-0.014	08	0.54	27.678	21	06.1	54.43	18	97.4	K2	GC	23385	P -63 4088
79	9.3	8.4W	16 33.823	0.0031	07	-60 28 15.44	-0.029	07	0.14	33.810	14	45.7	15.32	14	45.7	K0	C0	5223	P -60 6784
80	9.4	9.8W	16 36.548	0.0029	13	-62 52 5.99	-0.010	13	0.15	36.535	14	45.7	5.99	14	45.7	B0	C0	5224	P -62 5531
81	9.1	9.1W	16 38.032	0.0037	06	-63 29 34.00	-0.024	06	0.14	38.015	14	45.7	33.89	14	45.7	F0	C0	5225	P -63 4089
82		4.7T	16 45.293	-0.0045	07	-67 43 16.64	0.002	05	0.28	45.481	10	08.7	16.72	10	04.7	K2	GC	23392	P* -67 3310
83	8.1	8.5W	17 1.603	0.0018	07	-63 23 5.78	0.003	07	0.14	1.595	14	45.7	5.79	14	45.7	A0	C0	5226	P -63 4090
84	9.6	9.3W	17 13.917	0.0027	07	-62 44 33.90	-0.002	07	0.14	13.905	14	45.7	33.89	14	45.7	F8	C0	5227	P -62 5534
85		8.6	17 19.923	0.0001	25	-69 34 13.61	0.027	36	1.46	19.920	45	05.4	14.83	53	05.4		M4	3753	P -69 2721
86		7.4T	17 25.510	0.0020	11	-66 13 13.17	-0.009	10	0.53	25.415	18	02.3	12.74	18	00.8	K0	GC	23415	P -66 3095
87	8.6	8.9W	17 26.614	0.0000	07	-64 1 22.83	-0.034	07	0.14	26.614	14	45.7	22.68	14	45.7	A2	C0	5228	P -63 4092
88		8.2	18 1.695	0.0131	25	-69 22 29.77	-0.124	36	1.49	1.114	53	05.6	24.29	63	05.6		M4	3756	P -69 2722
89	9.0	9.3W	18 7.280	0.0053	07	-62 25 26.30	-0.000	07	0.14	7.257	14	45.7	26.30	14	45.7	B9	C0	5229	P -62 5542
90	10.0	10.1W	18 9.870	0.0007	13	-62 3 8.93	-0.029	13	0.15	9.867	14	45.7	8.80	14	45.7	A0	C0	5230	P -61 5899
91		8.4	18 14.145	0.0001	25	-67 52 52.54	-0.002	36	1.81	14.142	53	94.6	52.43	63	94.6		M4	3759	P -67 3312
92	9.5	9.7W	18 14.667	-0.0022	12	-62 8 27.19	0.004	12	0.15	14.677	14	45.7	27.20	14	45.7	A0	C0	5231	P -62 5545
93	8.6	8.9W	18 19.080	-0.0012	14	-63 2 49.75	-0.009	14	0.15	19.085	14	45.7	49.79	14	45.7	B9	C0	5232	P -62 5544
94	7.8	8.2W	18 31.157	0.0025	12	-61 40 53.89	-0.021	12	0.15	31.147	14	45.7	53.85	14	45.7	B9	C0	5233	P -61 5902
95	8.8	9.0W	18 34.844	0.0017	06	-62 16 6.62	-0.004	06	0.14	34.832	14	45.7	6.60	14	45.7	A2	C0	5234	P -62 5550
96	9.9	9.5W	18 42.246	0.0018	07	-61 18 51.70	0.005	07	0.14	42.238	14	45.7	51.72	14	45.7	G0	C0	5235	P -61 5904
97	11.2		18 44.066	0.0020	11	-60 46 16.06	-0.008	11	0.15	44.058	14	45.7	16.02	14	45.7	G5	C0	5236	P -60 6792
98	9.2	9.5W	18 45.767	0.0027	15	-62 35 41.70	-0.045	15	0.16	45.755	14	45.7	41.89	14	45.7	B9	C0	5238	P -62 5552
99		6.9T	18 58.221	0.0022	12	-65 39 19.50	-0.019	07	0.49	58.124	18	05.5	18.50	17	96.7	B8	GC	23454	P -65 3436
00	7.9	8.2W	18 59.594	0.0020	06	-62 47 44.86	-0.016	06	0.14	59.585	14	45.7	44.79	14	45.7	B9	C0	5240	P -62 5555

253900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-60° 17H DM NUMBER
1	9.2	8.4W	17 19 9.877	0.0005	07	-63 7 17.86	0.053	07	0.14	9.875	14	45.7	18.09	14	45.7	G5	CO	5241	P -63 4095
2	9.6	9.1W	19 11.741	0.0007	07	-61 18 55.90	0.003	07	0.14	11.738	14	45.7	55.92	14	45.7	K0 O	CO	5242	P -61 5910
3		5.9T	19 18.826	0.0000	09	-62 49 3.56	-0.008	07	0.33	18.826	14	13.4	3.21	12	08.0	B3	GC	23465	P*-62 5558
4	9.1	8.8W	19 21.516	0.0042	07	-60 53 46.91	-0.138	07	0.14	21.498	14	45.7	46.32	14	45.7	G0	CO	5244	P -60 6796
5	9.0	9.2W	19 41.819	0.0050	07	-62 10 55.14	-0.010	07	0.14	41.797	14	45.7	55.10	14	45.7	A0	CO	5245	P -62 5561
6	9.2	9.5W	19 42.769	-0.0000	07	-60 17 56.20	-0.044	07	0.14	42.770	14	45.7	56.02	14	45.7	A0	CO	5246	P -60 6799
7	8.8	9.1W	19 46.262	0.0013	09	-61 35 15.61	-0.026	09	0.15	46.256	14	45.7	15.50	14	45.7	A0	CO	5247	P -61 5913
8		6.0T	19 47.755	-0.0002	09	-60 37 39.34	-0.001	07	0.43	47.766	18	02.0	39.27	17	99.5	B8	GC	23481	P*-60 6800
9	9.2	9.5W	19 54.849	-0.0018	07	-62 7 29.70	-0.047	07	0.14	54.857	14	45.7	29.50	14	45.7	B9	CO	5249	P -62 5562
10	8.1	8.0W	19 57.001	-0.0020	07	-60 22 2.72	-0.047	07	0.14	57.010	14	45.7	2.52	14	45.7	F2	CO	5250	P -60 6801
11	11.2		20 4.335	0.0027	09	-63 49 42.33	0.011	09	0.15	4.324	14	45.7	42.38	14	45.7	G8 O	CO	5251	*
12		8.6	20 14.447	-0.0030	25	-67 18 46.58	-0.102	36	1.44	14.580	36	05.5	42.06	45	05.5		M4	3764	P -67 3316
13		7.3T	20 23.865	0.0046	13	-66 20 39.03	-0.067	11	0.65	23.639	22	00.6	35.46	21	96.6	K0	GC	23498	P -66 3105
14	8.9	8.7W	20 31.285	0.0043	12	-61 44 8.81	-0.002	12	0.15	31.267	14	45.7	8.80	14	45.7	F0	CO	5252	P -61 5916
15	9.6	10.0W	20 37.501	-0.0013	13	-62 18 9.90	0.024	13	0.15	37.507	14	45.7	10.00	14	45.7	A0	CO	5253	P -62 5566
16	9.8	9.9W	21 31.410	-0.0016	17	-62 27 29.98	-0.019	17	0.16	31.417	14	45.7	29.90	14	45.7	A2	CO	5254	P -62 5572
17	9.9	9.8W	21 33.355	0.0040	07	-61 25 39.60	-0.019	07	0.14	33.338	14	45.7	39.52	14	45.7	F0	CO	5255	P -61 5920
18	8.3	8.5W	21 43.467	0.0020	07	-61 26 0.44	-0.051	07	0.14	43.458	14	45.7	0.22	14	45.7	A0	CO	5256	P -61 5921
19	8.9	8.7W	21 49.801	0.0008	06	-62 28 10.88	-0.088	06	0.14	49.797	14	45.7	10.50	14	45.7	F0	CO	5257	P -62 5576
20		8.1T	21 50.351	0.0019	17	-63 46 17.32	-0.011	14	0.72	50.268	21	06.0	16.85	19	05.3	B9	GC	23537	P -63 4103
21		6.9T	21 53.366	-0.0021	15	-62 52 46.02	-0.031	12	0.66	53.461	21	04.4	44.48	19	00.6	K2	GC	23538	P -62 5577
22	9.9	9.8W	21 57.224	0.0013	07	-61 28 41.95	-0.054	07	0.14	57.218	14	45.7	41.72	14	45.7	F0	CO	5260	P -61 5924
23	9.4	8.3W	22 1.830	-0.0015	07	-62 4 38.55	-0.033	07	0.14	1.837	14	45.7	38.40	14	45.7	K5	CO	5261	P -62 5581
24		8.0T	22 23.789	-0.0009	25	-64 57 35.30	-0.016	36	1.38	23.754	53	09.6	34.65	63	09.6		M4	3772	P -64 3634
25	8.6	8.9W	22 46.873	-0.0015	07	-60 11 47.03	-0.027	07	0.14	46.880	14	45.7	46.92	14	45.7	A0	CO	5262	P -60 6814
26		7.9	22 55.839	-0.0050	25	-66 14 24.64	-0.034	36	1.63	56.094	36	99.2	22.92	45	99.2		M4	3776	P -66 3111
27	8.9	7.3W	22 58.886	0.0002	07	-63 13 18.05	0.010	07	0.14	58.885	14	45.7	18.09	14	45.7	K5	CO	5264	P -63 4104
28		6.4T	23 24.286	-0.0022	11	-62 59 40.81	-0.027	11	0.55	24.391	21	02.2	39.49	19	01.5	B9	GC	23601	P*-62 5590
29	9.7	9.8W	23 25.575	0.0016	07	-61 8 6.63	-0.027	07	0.14	25.568	14	45.7	6.52	14	45.7	A3	CO	5267	P -61 5933
30		8.0T	23 30.238	0.0005	14	-63 46 57.97	-0.032	12	0.62	30.217	21	07.3	56.55	19	05.0	B9	GC	23605	P -63 4105
31	7.3	7.7W	23 30.430	-0.0012	06	-62 54 13.70	-0.003	06	0.14	30.435	14	45.7	13.69	14	45.7	B9	CO	5269	P -62 5591
32	9.5	9.2W	23 31.229	-0.0010	15	-63 31 37.16	0.004	15	0.16	31.233	14	45.7	37.18	14	45.7	F8	CO	5270	P -63 4106
33	8.9	9.2W	23 41.483	0.0022	06	-63 45 2.37	-0.021	06	0.14	41.474	14	45.7	2.28	14	45.7	A0	CO	5271	P -63 4107
34	9.9	8.4W	24 12.933	-0.0038	08	-60 21 54.96	-0.056	08	0.14	12.950	14	45.7	54.72	14	45.7	K5	CO	5272	P -60 6829
35	7.8	8.3W	24 13.721	-0.0010	07	-63 22 59.70	-0.025	07	0.14	13.725	14	45.7	59.59	14	45.7	B9	CO	5273	P -63 4110
36	9.6	10.0W	24 37.720	0.0001	13	-60 11 11.28	-0.015	13	0.15	37.719	14	45.7	11.22	14	45.7	A0	CO	5274	P -60 6832
37		7.8T	24 41.711	0.0033	12	-60 36 57.79	-0.009	17	0.63	41.576	18	08.8	57.47	19	08.6	B9	GC	23642	P -60 6833
38		6.7T	24 52.198	-0.0006	14	-61 43 26.07	0.013	10	0.58	52.224	19	07.6	26.67	18	03.0	F0	GC	23643K	P*-61 5937
39	9.6	9.8W	25 8.552	0.0009	07	-61 6 26.34	-0.027	07	0.14	8.548	14	45.7	26.22	14	45.7	A2	CO	5277	P -61 5939
40		8.2	25 14.837	0.0009	25	-67 31 6.00	-0.009	36	1.81	14.785	53	94.6	5.51	63	94.6		M4	3782	P -67 3331
41	9.4	8.5W	25 25.143	0.0015	07	-61 44 34.24	-0.031	07	0.14	25.137	14	45.7	34.10	14	45.7	K0	CO	5278	P -61 5941
42	9.7	8.8W	25 31.359	0.0036	07	-63 48 45.57	0.002	07	0.14	31.343	14	45.7	45.58	14	45.7	K0	CO	5279	P -63 4112
43	9.1	9.0W	25 53.731	0.0033	07	-61 44 4.22	-0.051	07	0.14	53.717	14	45.7	4.00	14	45.7	F2	CO	5281	P -61 5946
44	9.6	8.4W	26 5.887	-0.0001	06	-62 2 37.58	-0.040	06	0.14	5.887	14	45.7	37.40	14	45.7	K2	CO	5282	P -61 5949
45		3.8H	26 34.733	-0.0065	03	-60 38 40.90	-0.094	03	0.10	34.956	05	15.7	37.81	05	16.9	B8	F4	648	P -60 6842
46	10.0	10.0W	26 44.455	0.0023	13	-62 40 21.56	0.030	13	0.15	44.445	14	45.7	21.69	14	45.7	A5	CO	5285	P -62 5611
47		7.5	26 48.858	0.0090	33	-65 52 49.03	-0.039	43	2.27	48.351	75	93.5	46.84	57	93.5		M3	2213	
48	8.4	8.3W	26 59.926	-0.0008	06	-60 24 8.58	-0.061	06	0.14	59.930	14	45.7	8.32	14	45.7	F0	CO	5286	P -60 6844
49		8.9	27 15.812	-0.0080	25	-67 22 39.82	-0.084	36	1.75	16.238	53	96.6	35.34	63	96.6		M4	3785	P -67 3338
50		8.7	27 17.708	-0.0039	33	-68 1 50.39	0.029	43	2.30	17.933	75	92.6	52.06	57	92.6		M3	2214	
51	8.7	8.7W	17 27 18.896	0.0020	07	-61 14 21.56	-0.010	07	0.14	18.888	14	45.7	21.52	14	45.7	A2	CO	5287	P -61 5957
52	8.7	8.6W	27 27.297	-0.0021	06	-61 54 47.58	-0.063	06	0.14	27.306	14	45.7	47.30	14	45.7	F0	CO	5288	P -61 5958
53	9.9	8.7W	27 37.713	0.0037	07	-62 7 34.29	0.003	07	0.14	37.697	14	45.7	34.30	14	45.7	K0	CO	5289	P -62 5618
54	9.8	8.7W	27 58.022	-0.0008	07	-63 6 32.35	-0.036	07	0.14	58.025	14	45.7	32.19	14	45.7	K0	CO	5291	P -63 4118
55		7.7T	28 3.948	0.0151	13	-62 11 59.94	-0.001	11	0.62	3.239	21	03.0	59.88	19	01.4	G5	GC	23712	P -62 5621
56	8.1	8.2W	28 7.197	0.0004	06	-63 18 23.29	0.023	06	0.14	7.195	14	45.7	23.39	14	45.7	A3	CO	5293	P -63 4119
57	10.4	9.3W	28 29.810	0.0031	09	-61 54 58.66	0.010	09	0.15	29.797	14	45.7	58.70	14	45.7	K2	CO	5294	P -61 5964
58		9.1	28 31.234	0.0001	25	-68 43 41.10	0.007	36	1.78	31.230	53	95.6	41.51	63	95.6		M4	3788	P -68 2921
59	9.7	8.8W	28 51.724	-0.0034	13	-60 10 23.82	-0.025	13	0.15	51.739	14	45.6	23.72	14	45.6	K0	CO	5606	P -60 6857
60		8.6	28 51.949	-0.0039	25	-69 22 7.91	-0.021	36	1.58	52.141	36	00.7	6.90	45	00.7		M4	3790	P -69 2737
61	9.4	9.3W	28 58.817	0.0002	07	-61 36 8.77	-0.017	07	0.14	58.816	14	45.7	8.70	14	45.7	A3	CO	5298	P -61 5968
62		7.5T	29 22.512	0.0035	13	-61 29 50.20	-0.016	12	0.62	22.350	21	03.7	49.41	19	01.8	K5	GC	23742	P -61 5969
63	10.1	9.0W	30 8.814	-0.0004	08	-60 26 0.43	-0.027	08	0.14	8.816	14	45.7	0.31	14	45.7	K0	CO	5301	P -60 6866
64	7.0	7.1W	30 24.120	-0.0006	06	-62 4 38.63	-0.031	06	0.14	24.122	14	45.7	38.50	14	45.7	A5	CO	5302	P -62 5627
65	10.4	10.2W	30 28.518	0.0033	09	-60 46 4.92	-0.024	09	0.15	28.504	14	45.7	4.82	14	45.7	A4 O	CO	5303	P -60 6868
66	9.5	8.4W	30 32.775	-0.0012	07	-62 57 33.94	-0.035	07	0.14	32.781	14	45.7	33.79	14	45.7	K0	CO	5304	P -62 5628
67		7.4T	30 54.180	-0.0032	13	-65 0 45.43	-0.044	11	0.61	54.332	21	03.2	43.22	18	00.4	G5	GC	23790	P -64 3646
68	9.7	9.7W	30 57.264	0.0077	13	-62 55 15.61	0.019	13	0.15	57.231	14	45.7	15.69	14	45.7	F2	CO	5305	P*-62 5631
69		7.3T	30 57.390	-0.0024	12	-66 49 56.25	-0.024	11	0.64	57.517	21	97.7	54.91	19	95.2	K0	GC	23792	P -66 3124
70		7.5T	31 14.553	0.0029	13	-65 57 55.36	-0.024	11	0.62	14.418	21	02.9	54.14	19	99.5	A0	GC	23799	P -65 3465
71	9.1	8.7W	31 16.580	0.0018	07	-61 43 54.00	0.003	07	0.14	16.572	14	45.7	54.40	14	45.7	G0	CO	5306	P -61 5975
72	9.4	9.3W	31 30.269	0.0007	13	-60 16 5.64	-0.007	13	0.15	30.266	14	45.7	5.62	14	45.7	A5	CO	5308	P -60 6871
73	8.9	8.0W	31 30.481	0.0000	06	-63 9 41.63	-0.010	06	0.14	30.481	14	45.7	41.59	14	45.7	K0	CO	5309	P -63 4126
74	10.4	9.3W	31 35.464	0.0045	09	-61 20 6.88	-0.039	09	0.15	35.444	14	45.7	6.72	14	45.7	G5 O	CO	5310	P -61 5977
75	9.9	9.7W	31 44.468	-0.0011	09	-61 42 2.86	0.033	09	0.15	44.472	14	45.7	3.00	14	45.7	G0	CO	5311	P -61 5978
76	8.7	9.0W	32 1.543	0.0021	07	-61 22 57.43	-0.027	07	0.14	1.534	14	45.7	57.32	14	45.7	B9	CO	5312	P -61 5981
77	9.2	9.0W	32 2.433	0.0075	07	-63 29 24.15	-0.013	07	0.14	2.401	14	45.7	24.09	14	45.7	F5	CO	5313	P -63 4127
78	9.7	9.3W	32 15.448	-0.0005	07	-62 54 13.46	-0.038	07	0.14	15.451	14	45.7	13.29	14	45.7	G0	CO	5314	P -62 5640
79		8.1	32 19.050	-0.0031	25	-66 29 28.02	0.013	36	1.60	19.204	36	00.1	28.66	45	00.1		M4	3802	P -66 3127
80	9.9	10.2W	32 25.562	-0.0029	09	-61 22 15.66	0.061	09	0.15	25.574	14	45.7	15.92	14	45.7	A2	CO	5315	P -61 5983
81	9.7	9.6W	32 32.436	0.0016	15	-63 44 17.72	-0.010	15	0.16	32.429	14	45.7	17.68	14	45.7	F0	CO	5316	P -63 4128
82	9.3	8.6W	32 51.841	0.0024	07	-63 19 22.57	-0.064	07	0.14	51.831	14	45.7	22.29	14	45.7	G5	CO	5317	P -63 4129
83		8.3	32 53.586	-0.0001	25	-65 50 6.11	-0.078	36	1.60	53.590	36	00.1	2.21	45	00.1		M4	3810	P -65 3468
84		8.3	33 3.267	0.0040	25	-68 29 34.02	-0.018	36	1.66	3.065	53	99.6	33.13	63	99.6		M4	3807	P -68 2925
85	10.1	9.6W	33 16.007	0.0033	09	-61 45 3.86	-0.013	09	0.15	15.992	14	45.7	3.80	14	45.7	G5	CO	5318	P -61 5988
86	10.2	9.4W	34 2.739	-0.0058	08	-60 31 52.36	-0.078	08	0.14	2.764	14	45.7	52.02	14	45.7	G4 O	CO	5320	P -60 6882
87		7.3T	34 30.902	0.0011	14	-60 54 38.99	-0.087	10	0.62	30.852	19	04.3	34.56	18	99.2	A2	GC	23875	P -60 6887
88	9.8	10.2W	34 41.324	-0.0015	14	-63 23 28.51	-0.005	14	0.15	41.331	14	45.7	28.49	14	45.7	A0	CO	5324	P -63 4130
89	9.3	8.5W	34 45.799	0.0035	06	-60 39 14.97	-0.010	06	0.14	45.784	14	45.7	14.92	14	45.7	K0	CO	5325	P -60 6889
90		6.6T	35 27.936	-0.0047	09	-67 49 38.54	-0.024	07	0.51	28.185	19	96.6	37.06	17	87.2	G5	GC	23902	P -67 3343
91	8.3	8.4W	35 28.526	0.0001	07	-60 5 0.30	-0.019	07	0.14	28.525	14	45.6	0.22	14	45.6	A0	CO	5643	P -60 6895
92	10.3		35 42.551	0.0042	13	-62 1 21.29	-0.020	13	0.15	42.533	14	45.7	21.20	14	45.7	A0	CO	5327	P -61 6004
93	9.9	9.8W	35 50.203	-0.0037	12	-63 44 9.19	-0.002	12	0.15	50.219	14	45.7	9.18	14	45.7	F0	CO	5328	P -63 4131
94		8.4T	36 0.790	0.0018	13	-62 8 9.10	-0.034	11	0.60	0.757	21	04.1	7.50	19	03.2	K0	GC	23909	P -62 5657
95		8.6	36 12.377	-0.0069	25	-65 18 4.15	-0.022	36	1.80	12.758	53	95.0	2.91	63	95.0		M4	3817	P -65 3475
96	9.6	9.7W	36 13.094	0.0026	13	-61 56 55.68	-0.018	13	0.15	13.082	14	45.7	55.60	14	45.7	A0	CO	5330	P -61 6006
97	8.5	8.9W	36 15.361	-0.0010	06	-60 9 12.42	-0.025	06	0.14	15.365	14	45.6	12.32	14	45.6	B9	CO	5647	P -60 6898
98	9.3	9.4W	36 37.094	0.0023	07	-61 20 54.01	-0.022	07	0.14	37.084	14	45.7	53.92	14	45.7	A0	CO	5333	P -61 6009
99		8.5	36 45.838	0.0062	33	-68 59 39.70	-0.023	43	2.31	45.484	75	92.5	38.38	57	92.5		M3	2235	
100	9.9	9.7W	36 58.773	-0.0003	09	-61 10 27.81	-0.022	09	0.15	58.774	14	45.7	27.72	14	45.7	F8	CO	5335	P -61 6013

254000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ .001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ .001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ .01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' .01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 17H DM NUMBER
1	10.5	9.1W	17 37 1.401	-0.0041	09	-63 44 14.79	-0.026	09	0.15	1.419	14	45.7	14.68	14	45.7	G5	CG	5336	P -63 4133
2	9.2	9.6W	37 7.280	-0.0007	07	-62 19 19.88	-0.018	07	0.14	7.283	14	45.7	19.80	14	45.7	B9	CG	5337	P -62 5663
3	9.7	9.8W	37 11.793	-0.0006	13	-60 19 23.26	-0.033	13	0.15	11.796	14	45.7	23.12	14	45.7	A3	O CG	5338	P -60 6903
4		9.0	37 12.240	-0.0029	25	-67 19 20.89	0.048	36	1.64	12.387	45	99.6	23.29	53	99.6		M4	3819	P -67 3344
5	10.3	8.9W	37 16.020	0.0010	07	-60 24 27.89	-0.018	07	0.14	16.016	14	45.7	27.82	14	45.7	K0	O CG	5339	P -60 6904
6		9.2	38 24.566	0.0062	25	-68 18 25.28	-0.010	36	1.58	24.275	53	02.6	24.83	63	02.6		M4	3821	P -68 2934
7		8.7	38 35.561	0.0111	25	-66 47 8.95	-0.023	36	1.78	34.959	53	95.6	7.68	63	95.6		M4	3823	P -66 3133
8		8.8	38 44.135	-0.0058	25	-69 15 46.26	-0.049	36	1.66	44.427	53	99.6	43.79	63	99.6		M4	3822	P -69 2751
9	8.6	8.5W	38 49.829	0.0007	06	-60 7 20.97	-0.059	06	0.14	49.825	14	45.6	20.72	14	45.6	F5	CG	5667	P*-60 6914
10	8.8	9.1W	39 5.134	0.0021	06	-60 3 11.47	-0.035	06	0.14	5.125	14	45.7	11.32	14	45.7	A0	CG	5341	P -60 6918
11	9.9	8.4W	39 5.569	0.0015	07	-61 31 25.86	-0.013	07	0.14	5.562	14	45.7	25.80	14	45.7	MA	CG	5342	P -61 6018
12	9.8	9.1W	40 13.380	0.0001	07	-64 10 53.49	-0.027	07	0.14	13.379	14	45.7	53.36	14	45.7	G0	O CG	5343	P -64 3661
13		7.6	40 20.050	0.0041	25	-68 37 40.26	-0.003	36	1.44	19.874	53	07.6	40.13	63	07.6		M4	3826	P -68 2936
14	10.5	9.6W	40 26.569	0.0020	09	-62 47 50.55	-0.107	09	0.15	26.561	14	45.7	50.09	14	45.7	G5	O CG	5345	P -62 5681
15	10.2	9.6W	40 27.178	0.0036	07	-61 36 5.45	0.011	07	0.14	27.162	14	45.7	5.50	14	45.7	G5	O CG	5346	P -61 6020
16	9.7	9.4W	40 28.942	0.0039	11	-60 13 42.56	-0.011	11	0.15	28.925	14	45.7	42.52	14	45.7	F8	O CG	5347	P -60 6923
17			40 34.019	0.0009	06	-60 29 34.92	-0.048	06	0.14	34.016	14	45.7	34.72	14	45.7	K5	CG	5348V	P*-60 6924
18	9.4	9.7W	40 37.126	0.0004	07	-60 43 55.51	-0.020	07	0.14	37.124	14	45.7	55.42	14	45.7	A2	CG	5349	P -60 6925
19	9.3	9.3W	40 44.677	0.0003	14	-60 10 9.19	0.006	14	0.15	44.675	14	45.6	9.22	14	45.6	A2	CG	5684	P -60 6926
20		3.6H	40 49.242	-0.0005	03	-64 42 9.87	-0.052	03	0.11	49.260	06	14.1	8.06	05	15.3	K0	F4	661	P -64 3662
21		7.0T	40 57.099	-0.0010	10	-64 18 17.64	-0.021	07	0.38	57.140	14	08.3	16.65	12	04.0	A3	GC	24046	P -64 3663
22	9.9	9.6W	41 8.303	-0.0015	07	-64 8 30.03	-0.035	07	0.14	8.309	14	45.7	29.88	14	45.7	F5	O CG	5351	P -64 3664
23	9.1	8.1W	41 51.488	0.0008	06	-60 48 12.19	0.005	06	0.14	51.484	14	45.7	12.22	14	45.7	K2	CG	5355	P -60 6928
24	8.6	8.4W	41 51.956	0.0050	05	-61 4 28.72	-0.114	05	0.14	51.934	14	45.7	28.22	14	45.7	F2	CG	5356	P -61 6028
25	8.0	7.6W	41 53.173	-0.0087	06	-62 43 38.24	-0.383	06	0.14	53.211	14	45.7	36.59	14	45.7	G0	CG	5357	P -62 5690
26	9.6	9.3W	41 58.167	0.0033	07	-61 36 36.75	-0.012	07	0.14	58.152	14	45.7	36.70	14	45.7	F8	CG	5358	P -61 6029
27		9.3T	42 5.247	0.0039	14	-62 13 50.62	0.001	12	0.70	5.066	22	01.3	50.66	22	99.2	M0	GC	24079	P -62 5691
28		8.3	42 37.163	0.0191	25	-69 32 33.98	-0.076	36	1.78	36.121	53	95.6	29.84	63	95.6		M4	3832	P -69 2754
29		7.3T	42 43.780	-0.0019	15	-60 14 16.73	-0.097	12	0.65	43.864	21	05.8	12.03	19	01.7	F0	GC	24088	P -60 6933
30	9.8	8.9W	42 46.465	-0.0009	14	-64 3 3.54	-0.015	14	0.15	46.469	14	45.7	3.48	14	45.7	G3	O CG	5361	P -64 3667
31	9.1	9.1W	42 47.833	0.0017	06	-60 27 52.76	-0.034	06	0.14	47.826	14	45.7	52.62	14	45.7	A3	CG	5362	P -60 6934
32		7.7	42 50.865	0.0041	25	-67 21 55.68	-0.023	36	1.39	50.698	53	09.3	54.73	63	09.3		M4	3834	P -67 3356
33		7.0T	42 58.322	-0.0010	13	-63 32 37.62	-0.074	11	0.54	58.363	18	09.4	34.19	18	04.0	G0	GC	24095	P -63 4140
34		7.4	43 1.585	0.0041	25	-66 11 11.55	-0.009	36	1.66	1.381	53	99.6	11.09	63	99.6		M4	3836	P -66 3136
35		7.5T	43 2.048	0.0011	12	-69 54 48.54	-0.011	12	0.66	1.995	21	99.5	47.96	19	91.7	B9	GC	24096	P -69 2755
36	8.7	7.7W	43 3.337	0.0010	06	-62 0 53.22	-0.028	06	0.14	3.332	14	45.7	53.15	14	45.7	K2	CG	5365	P -61 6040
37			43 13.502	-0.0070	25	-65 33 11.96	-0.019	36	1.74	13.871	53	97.0	10.94	63	97.0		M4	3837V	P*-65 3487
38	8.9	8.5W	43 50.054	0.0000	06	-60 38 35.84	-0.005	06	0.14	50.054	14	45.7	35.82	14	45.7	G5	CG	5367	P -60 6939
39	9.4	9.1W	43 51.679	-0.0005	13	-62 55 13.81	-0.026	13	0.15	51.681	14	45.7	13.69	14	45.7	G0	CG	5368	P -62 5694
40	9.8	9.5W	43 53.580	0.0058	11	-61 27 29.82	-0.002	11	0.15	53.554	14	45.7	29.82	14	45.7	F3	O CG	5369	P -61 6044
41	8.4	8.3W	44 2.116	0.0008	06	-62 7 48.29	-0.003	06	0.14	2.112	14	45.7	48.30	14	45.7	A3	CG	5370	P -62 5697
42	9.6	8.7W	44 10.865	0.0003	06	-60 39 36.12	-0.024	06	0.14	10.864	14	45.7	36.02	14	45.7	K5	CG	5371	P -60 6942
43	10.3	9.1W	44 14.848	0.0012	07	-62 12 9.71	-0.028	07	0.14	14.842	14	45.7	9.60	14	45.7	K0	O CG	5372	P -62 5700
44	9.1	9.2W	44 17.565	-0.0009	07	-63 47 44.98	-0.023	07	0.14	17.569	14	45.7	44.88	14	45.7	A5	CG	5373	P -63 4141
45	9.7	8.2W	44 39.770	0.0038	06	-60 31 10.17	-0.012	06	0.14	39.754	14	45.7	10.12	14	45.7	K5	CG	5374	P -60 6943
46		9.1	45 7.782	0.0061	33	-68 4 51.12	0.017	43	2.31	7.429	75	92.5	52.12	57	92.5		M3	2256	
47		6.6T	45 14.962	-0.0008	11	-64 17 24.06	0.034	09	0.54	15.000	19	01.0	25.83	18	97.1	F0	GC	24157	P -64 3670
48		6.6T	45 15.110	-0.0002	09	-61 41 57.33	-0.015	07	0.45	15.121	18	98.8	56.54	15	97.8	B9	GC	24158	P -61 6051
49	8.3	7.4W	45 30.767	0.0039	07	-62 39 56.21	-0.006	07	0.14	30.751	14	45.7	56.19	14	45.7	K0	CG	5376	P -62 5704
50		6.7T	45 47.099	-0.0075	12	-61 54 37.04	0.045	04	0.42	47.425	18	06.5	39.24	09	00.9	F5	GC	24172	P -61 6054
51	9.8	9.5W	17 46 17.547	0.0015	12	-63 12 25.25	-0.014	12	0.15	17.541	14	45.7	25.19	14	45.7		CG	5378	P -63 4143
52	9.4	9.4W	46 22.141	0.0041	14	-63 10 45.12	-0.030	14	0.15	22.141	14	45.7	44.99	14	45.7	F2	CG	5379	P -63 4145
53	9.7	8.7W	46 39.850	-0.0007	07	-62 24 40.42	-0.027	07	0.14	39.853	14	45.7	40.36	14	45.7	K2	CG	5380	P -62 5714
54	8.8	7.6W	46 51.371	0.0000	06	-62 37 19.82	-0.006	06	0.14	51.371	14	45.7	19.79	14	45.7	K2	CG	5381	P -62 5715
55		9.1	46 56.655	-0.0039	25	-69 32 6.84	-0.007	36	1.61	56.849	36	99.5	6.49	45	99.5		M4	3847	P -69 2769
56	10.2	10.1W	47 3.033	0.0028	13	-63 16 8.70	0.021	13	0.15	3.021	14	45.7	8.79	14	45.7	F0	O CG	5383	P -63 4148
57		5.8T	47 5.368	0.0002	08	-60 9 3.62	-0.027	07	0.42	5.358	18	99.0	2.16	17	95.9	K0	GC	24207K	P -60 6950
58	10.5	9.0W	47 10.753	-0.0021	09	-61 40 21.46	-0.061	09	0.15	10.762	14	45.7	21.20	14	45.7	K2	O CG	5385	P -61 6063
59		7.5T	47 33.611	0.0061	14	-60 22 49.68	-0.073	12	0.64	33.335	21	04.8	46.10	19	01.1	F0	GC	24215K	P -60 6953
60		8.1	47 45.567	-0.0130	25	-64 36 34.92	-0.085	36	1.75	46.262	53	96.6	30.39	63	96.6		M4	3851	P -64 3687
61		8.7	47 58.679	-0.0019	25	-66 43 55.32	-0.036	36	1.78	58.785	53	95.7	53.34	63	95.7		M4	3850	P -66 3145
62	9.5	8.5W	47 59.870	-0.0009	06	-60 48 29.23	-0.047	06	0.14	59.874	14	45.7	29.02	14	45.7	K2	CG	5389	P -60 6954
63		6.5T	48 18.328	-0.0014	12	-65 28 36.34	-0.083	08	0.53	18.393	19	03.8	31.90	18	96.2	K0	GC	24235	P -65 3507
64	7.5	7.8W	48 49.426	0.0017	07	-63 56 55.70	-0.006	07	0.14	49.419	14	45.7	55.68	14	45.7	A0	CG	5390	P -63 4155
65		7.3	49 0.498	-0.0028	25	-68 38 50.16	0.004	36	1.52	0.627	53	04.7	50.34	63	04.7		M4	3854	P -68 2974
66		8.9	49 21.780	-0.0029	33	-66 5 23.70	0.005	43	2.31	21.949	75	92.5	23.97	57	92.5		M3	2264	
67	9.8	9.3W	49 31.875	0.0029	07	-62 5 35.79	-0.000	07	0.14	31.862	14	45.7	35.70	14	45.7	F8	O CG	5392	P -62 5729
68	10.1	9.9W	49 33.766	0.0055	13	-61 42 26.29	-0.000	13	0.15	33.742	14	45.7	26.20	14	45.7	G0	O CG	5393	P -61 6073
69		8.9	49 46.770	0.0051	25	-67 3 12.58	-0.014	36	1.78	46.494	53	95.6	11.79	63	95.6		M4	3858	P -67 3396
70	10.1		50 2.464	0.0024	11	-60 54 8.44	-0.005	11	0.15	2.454	14	45.7	8.42	14	45.7	A2	O CG	5394	P -60 6959
71		7.7T	50 5.281	0.0014	13	-63 15 56.96	-0.036	11	0.59	5.215	21	03.9	55.28	19	03.4	K2	GC	24296	P -63 4170
72	8.8	8.5W	50 14.004	-0.0028	06	-60 13 37.70	-0.159	06	0.14	14.015	14	45.7	37.02	14	45.7	F8	CG	5396	P -60 6961
73	10.2	9.3W	50 15.964	-0.0001	09	-61 21 20.00	-0.042	09	0.15	15.964	14	45.7	19.82	14	45.7	G5	O CG	5398	P -61 6075
74	8.4	8.7W	50 26.849	0.0030	06	-60 15 15.08	0.008	06	0.14	26.836	14	45.7	15.12	14	45.7	B9	CG	5400	P -60 6962
75	10.2	9.4W	50 38.340	-0.0013	08	-60 8 54.76	-0.034	08	0.14	38.345	14	45.7	54.62	14	45.7	G5	O CG	5402	P -60 6964
76	9.2	9.0W	50 45.968	0.0017	07	-62 58 57.35	0.009	07	0.14	45.961	14	45.7	57.39	14	45.7	F5	CG	5403	P -62 5742
77		7.8T	50 53.445	-0.0018	12	-67 14 32.73	-0.042	12	0.64	53.532	21	99.6	30.54	19	98.4	K0	GC	24323	P -67 3404
78	9.9	9.1W	51 20.336	-0.0016	06	-61 56 24.52	-0.051	06	0.14	20.342	14	45.7	24.30	14	45.7	G6	O CG	5405	P -61 6076
79		6.5T	51 21.743	0.0122	12	-65 42 36.30	-0.331	07	0.53	21.151	18	01.7	17.86	17	94.3	F8	GC	24333	P -65 3528
80		8.1T	51 56.203	-0.0014	13	-64 47 54.02	-0.045	12	0.59	56.264	19	06.6	51.94	19	03.7	K5	GC	24350	P -64 3711
81		8.3	52 1.205	0.0001	25	-66 11 32.11	-0.028	36	1.58	1.202	45	01.4	30.74	53	01.4		M4	3866	P -66 3167
82		8.1	52 7.503	-0.0029	25	-65 6 25.68	-0.063	36	1.78	7.662	53	95.6	22.23	63	95.6		M4	3867	P -65 3532
83	9.0	8.9W	52 11.268	-0.0100	07	-63 6 23.18	0.025	07	0.14	11.311	14	45.7	23.29	14	45.7	F2	CG	5409	P -63 4183
84	9.7	9.5W	52 16.584	0.0026	14	-62 21 22.43	-0.006	14	0.15	16.573	14	45.7	22.40	14	45.7	F8	CG	5411	P -62 5747
85	9.6	8.5W	52 18.654	0.0022	07	-61 26 1.90	-0.041	07	0.14	18.644	14	45.7	1.72	14	45.7	K2	CG	5413	P -61 6079
86		7.9T	52 28.044	0.0029	12	-60 19 3.99	0.013	08	0.50	27.912	19	04.9	4.62	17	01.1	K0	GC	24360	P -60 6969
87	10.5	9.5W	52 43.224	0.0023	14	-61 3 40.51	-0.020	14	0.15	43.214	14	45.7	40.42	14	45.7	G9	O CG	5415	P -61 6081
88	9.7	9.7W	53 6.773	-0.0003	07	-61 23 48.13	-0.025	07	0.14	6.774	14	45.7	48.02	14	45.7	A3	CG	5417	P -61 6082
89	10.1	9.3W	53 11.105	-0.0014	07	-63 11 3.05	-0.036	07	0.14	11.111	14	45.7	2.89	14	45.7	G6	O CG	5418	P -63 4195
90			53 11.347	-0.0005	07	-63 37 39.14	-0.015	07	0.14	11.349	14	45.7	39.08	14	45.7	MA	CG	5419V	P*-63 4194
91	9.7	9.8W	53 27.468	0.0034	07	-60 33 16.44	-0.005	07	0.14	27.454	14	45.7	16.42	14	45.7	A0	CG	5420	P -60 6970
92	9.7	8.8W	53 29.885	0.0006	07	-62 9 10.34	-0.032	07	0.14	29.882	14	45.7	10.20	14	45.7	K0	CG	5421	P -62 5752
93	10.1	10.0W	53 34.075	0.0034	15	-63 20 57.44	0.011	15	0.16	34.061	14	45.7	57.49	14	45.7	F1	O CG	5422	P -63 4198
94	7.8	8.0W	54 5.827	0.0029	06	-60 40 29.71	0.002	06	0.14	5.814	14	45.7	29.72	14	45.7	A2	CG	5424	P -60 6971
95		8.8	54 14.228	0.0022	25	-69 6 24.05	-0.011	36	1.46	14.131	45	05.6	23.57	53	05.6		M4	3872	P -69 2799
96	10.1	10.2W	54 27.129	0.0042	14	-63 25 39.52	0.017	14	0.15	27.111	14	45.7	39.59	14	45.7	A1	O CG	5426	P -63 4204
97		9.3T	54 34.364	0.0019	12	-66 2 42.71	-0.033	12	0.61	34.276	21	02.7	41.10	21	01.6	F8	GC	24417	P -66 3181
98	9.8	10.0W	54 45.968	0.0045	13	-63 46 12.56	0.028	13	0.15	45.949	14	45.7	12.68	14	45.7	A8	O CG	5427	P -63 4206
99	10.1	10.0W	55 9.196	0.0032	11	-61 42 50.19	-0.021	11	0.15	9.182	14	45.7	50.15	14	45.7	F2	O CG	5429	P -61 6084
00	10.2	10.1W	55 11.768	0.0017	15	-62 37 58.44	-0.034	15	0.16	11.761	14	45.7	58.29	14	45.7	F3	O CG	5430	P -62 5756

254100			EPOCH 1950								ORIGINAL EPOCH						SP.	SOURCE		-60° 17H
NUMBER	MAGNITUDES		α_{1950}	μ	σ_μ	δ_{1950}	μ'	$\sigma_{\mu'}$	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER	
N	m_{pg}	m_v	h m s	s	″.001	° ′ ″	″	″.001	″	s	″.01		″	″.01						
1		9.5T	17 55 35.523	-0.0007	14	-64 2 40.41	-0.020	13	0.71	35.557	22	01.5	39.38	22	99.5	M0	GC	24440	P -64 3739	
2		8.9	55 36.582	-0.0028	33	-69 13 52.09	-0.000	43	2.31	36.744	75	92.5	52.09	57	92.5		M3	2274		
3	9.6	9.5W	55 47.492	-0.0020	12	-63 28 49.98	-0.021	12	0.15	47.501	14	45.7	49.89	14	45.7	F2	CO	5431	P -63 4217	
4	8.2	8.2W	56 2.429	0.0039	06	-62 9 28.28	0.006	06	0.14	2.412	14	45.7	28.30	14	45.7	A2	CO	5432	P*-62 5760	
5	9.8	9.9W	56 13.233	-0.0006	07	-60 21 46.43	-0.027	07	0.14	13.236	14	45.7	46.32	14	45.7	A0	CO	5433	P -60 6981	
6	9.6	8.6W	56 16.171	-0.0051	14	-62 19 13.90	-0.068	14	0.15	16.193	14	45.7	13.60	14	45.7	K5	CO	5434	P -62 5761	
7	8.1	8.1W	56 19.730	0.0021	07	-62 30 22.88	-0.025	07	0.14	19.721	14	45.7	22.99	14	45.7	A2	CO	5435	P -62 5762	
8		8.3	56 37.273	0.0061	25	-66 27 51.21	-0.068	36	1.40	37.022	53	08.7	48.39	63	08.7		M4	3880	P -66 3198	
9	9.6	9.2W	56 38.522	-0.0005	07	-61 21 52.31	-0.044	07	0.14	38.524	14	45.7	52.12	14	45.7	F8	CO	5437	P -61 6091	
10	9.3	9.0W	56 42.653	-0.0002	07	-60 46 48.71	-0.114	07	0.14	42.654	14	45.7	48.22	14	45.7	F8	CO	5439	P -60 6984	
11	10.0	9.8W	56 46.970	0.0040	13	-62 5 8.49	0.003	13	0.15	46.952	14	45.7	8.50	14	45.7	F1	CO	5440	P -62 5766	
12	9.6	8.7W	57 25.539	0.0015	07	-62 26 48.51	-0.001	07	0.14	25.533	14	45.7	48.50	14	45.7	G5	CO	5442	P -62 5770	
13	10.3	9.3W	57 26.338	-0.0014	09	-61 11 16.60	-0.041	09	0.15	26.344	14	45.7	16.42	14	45.7	G5	CO	5443	P -61 6094	
14		8.2	57 31.753	0.0011	25	-67 33 44.70	0.004	36	1.49	31.703	53	05.7	44.89	63	05.7		M4	3881	P -67 3433	
15	9.3	9.3W	57 34.610	0.0025	07	-64 14 57.96	0.004	07	0.14	34.599	14	45.7	57.98	14	45.7	A2	CO	5444	P -64 3762	
16	9.8	9.2W	57 40.523	0.0041	07	-60 10 25.59	-0.040	07	0.14	40.505	14	45.7	25.42	14	45.7	F7	CO	5445	P -60 6985	
17	9.7	8.1W	57 48.146	0.0016	07	-63 58 6.36	0.006	07	0.14	48.139	14	45.7	6.38	14	45.7	K5	CO	5446	P -63 4234	
18		7.0T	57 52.636	0.0005	14	-60 8 13.28	0.003	12	0.64	52.613	21	04.5	13.41	19	02.1	K0	GC	24504	P*-60 6987	
19	9.7	9.8W	58 10.933	-0.0015	07	-64 1 51.76	-0.019	07	0.14	10.939	14	45.7	51.68	14	45.7	A	CO	5448	P -64 3768	
20	10.1	8.9W	58 24.294	0.0031	08	-63 14 44.50	-0.026	08	0.14	24.281	14	45.7	44.39	14	45.7	K0	CO	5449	P -63 4241	
21		8.3T	58 25.868	0.0002	13	-65 5 44.80	-0.027	12	0.62	25.860	21	03.5	43.55	18	02.7	B8	GC	24513	P -65 3573	
22		6.9T	58 25.890	0.0032	10	-66 32 19.04	-0.008	08	0.53	25.723	18	96.8	18.53	17	88.7	B0	GC	24514	P -66 3211	
23	8.7	8.0W	58 42.975	0.0075	06	-62 8 7.33	0.041	06	0.14	42.943	14	45.7	7.50	14	45.7	G5	CO	5450	P -62 5777	
24	10.0	9.1W	58 45.711	-0.0080	09	-60 13 42.09	-0.017	09	0.15	45.745	14	45.7	42.01	14	45.7	G5	CO	5451	P -60 6990	
25	9.3	8.9W	58 46.032	0.0073	07	-63 2 32.85	0.009	07	0.14	46.001	14	45.7	32.89	14	45.7	G0	CO	5452	P -63 4248	
26	9.9	9.5W	59 9.497	0.0015	07	-63 7 46.37	-0.041	07	0.14	9.491	14	45.7	46.19	14	45.7	G0	CO	5453	P -63 4255	
27		8.6	59 49.639	0.0052	25	-69 28 39.48	-0.007	36	1.49	49.409	53	05.6	39.17	63	05.6		M4	3890	P -69 2821	
28	10.3	9.1W	18 0 2.143	-0.0003	09	-61 28 57.19	-0.041	09	0.15	2.144	14	45.7	57.02	14	45.7	G8	CO	5455	P -61 6100	
29	9.9	9.0W	0 19.943	0.0043	06	-61 6 14.75	0.017	06	0.14	19.924	14	45.7	14.82	14	45.7	K2	CO	5457	P -61 6102	
30	10.0	8.6W	0 20.653	-0.0013	07	-63 44 43.48	0.001	07	0.14	20.659	14	45.7	43.48	14	45.7	K2	CO	5458	P -63 4265	
31	10.5	10.2W	0 36.164	-0.0062	17	-63 4 18.32	-0.098	17	0.16	36.191	14	45.7	17.89	14	45.7	G2	CO	5459	P -63 4273	
32	8.2	7.9W	0 44.939	-0.0028	07	-63 11 48.03	-0.102	07	0.14	44.951	14	45.7	47.59	14	45.7	G0	CO	5461	P -63 4275	
33	10.2	10.2W	0 44.949	0.0039	15	-62 19 57.02	0.019	15	0.16	44.933	14	45.7	57.10	14	45.7	A8	CO	5460	P -62 5786	
34	9.6	9.5W	1 15.600	-0.0006	14	-62 22 28.02	-0.004	14	0.15	15.603	14	45.7	28.00	14	45.7	A3	CO	5463	P -62 5787	
35	9.7	9.6W	1 24.077	0.0002	07	-60 18 22.61	-0.023	07	0.14	24.076	14	45.7	22.52	14	45.7	F5	CO	5464	P -60 6993	
36	10.1	8.6W	1 32.434	-0.0012	07	-63 35 0.18	-0.048	07	0.14	32.439	14	45.7	-59.98	14	45.7	K5	CO	5466	P -63 4283	
37		7.9T	1 54.390	0.0023	11	-60 32 15.93	-0.003	09	0.53	54.285	18	03.7	15.77	17	00.1	K5	GC	24611	P -60 6997	
38		9.3	2 6.705	0.0032	25	-68 38 12.93	-0.024	36	1.66	6.546	53	99.6	11.72	63	99.6		M4	3895	P -68 3040	
39			2 25.798	0.0090	25	-65 31 35.45	-0.122	36	1.72	25.316	45	96.7	28.93	53	96.7		M4	3899V	P*-65 3597	
40	8.4	8.7W	2 37.671	0.0023	07	-63 9 39.77	-0.018	07	0.14	37.661	14	45.7	39.69	14	45.7	A0	CO	5468	P -63 4286	
41		6.4T	2 54.286	-0.0011	10	-64 33 20.37	-0.052	09	0.50	54.338	19	03.4	17.72	18	99.0	K2	GC	24640	P -64 3796	
42	9.5	9.6W	3 5.210	-0.0013	13	-60 4 15.29	0.029	13	0.15	5.215	14	45.7	15.41	14	45.7	A2	CO	5469	P -60 6998	
43	9.2	9.3W	3 14.368	-0.0007	07	-62 53 30.58	-0.044	07	0.14	14.371	14	45.7	30.39	14	45.7	A2	CO	5470	P -62 5791	
44	10.2	9.8W	3 18.314	0.0068	12	-61 23 45.71	-0.022	12	0.15	18.284	14	45.7	45.62	14	45.7	G0	CO	5471	P -61 6106	
45	8.3	8.1W	3 37.901	-0.0005	06	-62 22 38.35	-0.220	06	0.14	37.903	14	45.7	37.40	14	45.7	F2	CO	5472	P -62 5792	
46	10.0	9.6W	3 42.530	0.0009	07	-60 22 6.32	-0.048	07	0.14	42.525	14	45.7	6.12	14	45.7	G5	CO	5473	P -60 7000	
47		4.4T	3 45.934	0.0032	04	-63 40 23.74	-0.185	04	0.23	45.788	09	04.4	14.75	09	01.5	A5	GC	24665	P*-63 4292	
48		9.0	4 6.705	0.0001	25	-68 1 42.95	0.064	36	1.51	6.699	53	05.0	45.85	63	05.0		M4	3904	P -68 3063	
49	9.9	9.4W	4 8.612	0.0008	06	-63 38 0.99	-0.002	06	0.14	8.609	14	45.7	0.98	14	45.7	G3	CO	5475	P -63 4296	
50	10.2	9.3W	4 14.036	-0.0104	13	-62 47 10.06	-0.110	13	0.15	14.081	14	45.7	9.59	14	45.7	G8	CO	5476	P -62 5793	
51	9.8	9.7W	18 4 34.638	0.0029	06	-60 20 13.00	-0.020	06	0.14	34.626	14	45.7	12.92	14	45.7	F5	CO	5477	P -60 7001	
52	8.9	9.2W	4 35.943	-0.0023	07	-60 20 5.46	0.010	07	0.14	35.953	14	45.7	5.50	14	45.7	A0	CO	5478	P -62 5795	
53	10.5	9.0W	4 53.773	-0.0007	07	-60 22 43.04	-0.028	07	0.14	53.775	14	45.7	42.92	14	45.7	K5	CO	5480	P -60 7002	
54	9.9	10.0W	4 54.245	0.0010	14	-62 59 54.25	-0.013	14	0.15	54.241	14	45.7	54.19	14	45.7	A5	CO	5481	P -63 4302	
55		8.3	4 57.772	0.0121	25	-66 37 32.43	-0.070	36	1.39	57.282	53	09.3	29.57	63	09.3		M4	3905	P -66 3248	
56	9.6	10.1W	5 21.920	-0.0038	07	-60 53 31.01	-0.020	07	0.14	21.904	14	45.7	30.92	14	45.7	A	CO	5482	P -60 7003	
57		5.5T	5 47.292	-0.0110	07	-62 0 54.62	0.225	05	0.26	47.703	10	12.6	+ 3.88	10	08.8	G0	GC	24718	P*-62 5797	
58	9.9	10.1W	5 55.955	0.0045	14	-60 27 26.59	0.006	14	0.15	55.935	14	45.7	26.61	14	45.7	A0	CO	5485	P -60 7005	
59	9.0	9.0W	6 5.711	0.0012	14	-60 7 14.41	0.000	14	0.15	5.705	14	45.7	14.42	14	45.7	A0	CO	5486	P -60 7006	
60		8.3	6 12.535	-0.0070	25	-64 31 38.23	-0.005	36	1.74	12.908	53	97.0	37.96	63	97.0		M4	3908	P -64 3822	
61		8.9	6 18.435	0.0121	33	-66 45 9.52	-0.019	43	2.30	17.743	75	92.6	8.41	57	92.6		M3	2301		
62	9.6	9.4W	6 39.120	-0.0002	07	-62 48 36.72	-0.030	07	0.14	39.121	14	45.7	36.59	14	45.7	F2	CO	5487	P -62 5798	
63	9.8	9.7W	6 45.804	-0.0005	07	-60 22 14.18	-0.038	07	0.14	45.806	14	45.7	14.02	14	45.7	F5	CO	5488	P -60 7007	
64		7.7T	7 7.167	-0.0004	12	-60 25 44.30	-0.001	11	0.56	7.184	19	04.7	44.24	18	02.9	A0	GC	24755	P -60 7008	
65		8.9	7 16.180	-0.0048	33	-69 56 4.29	-0.000	43	2.30	16.457	75	92.6	4.29	57	92.6		M3	2303		
66	10.0	9.9W	7 20.968	0.0021	13	-63 51 24.44	-0.037	13	0.15	20.959	14	45.7	24.28	14	45.7	F0	CO	5490	P -63 4316	
67		7.7T	7 22.904	-0.0010	14	-63 59 54.32	0.037	11	0.59	22.944	18	08.8	56.04	19	02.9	K2	GC	24762	P*-64 3826	
68	9.0	8.8W	7 34.597	0.0049	14	-60 2 40.43	0.043	14	0.15	34.575	14	45.6	40.62	14	45.6	A5	CO	5843	P -60 7010	
69	8.6	8.8W	7 36.906	0.0001	07	-60 9 8.91	0.002	07	0.14	36.905	14	45.6	8.91	14	45.6	A0	CO	5844	P -60 7011	
70	7.9	8.3W	7 49.246	0.0028	06	-61 14 50.76	-0.008	06	0.14	49.234	14	45.7	50.72	14	45.7	B5	CO	5494	P -61 6113	
71	10.0	10.2W	8 1.933	-0.0038	12	-63 41 54.76	0.028	12	0.15	1.949	14	45.7	54.88	14	45.7	A0	CO	5495	P -63 4322	
72		7.1I	8 4.931	0.0003	28	-63 37 43.55	0.021	24	1.24	4.918	53	04.5	44.49	29	04.2	M3E	GC	24780V	P*-63 4323	
73		8.2	8 10.793	0.0001	25	-67 49 17.45	-0.013	36	1.65	10.786	53	00.0	16.82	63	00.0		M4	3911	P -67 3481	
74		7.1T	8 37.936	0.0009	12	-60 9 23.05	0.024	10	0.54	37.895	19	04.2	24.22	18	00.7	F2	GC	24795	P -60 7012	
75	10.3	10.2W	8 46.447	0.0018	15	-64 16 14.93	-0.013	15	0.16	46.439	14	45.7	14.88	14	45.7	F5	CO	5500	P -64 3832	
76	10.0	10.2W	8 50.198	0.0033	14	-60 47 37.57	-0.012	14	0.15	50.184	14	45.7	37.52	14	45.7	A2	CO	5501	P -60 7013	
77	9.2	8.4W	9 19.439	-0.0003	13	-62 57 30.58	0.026	13	0.15	19.441	14	45.7	30.69	14	45.7	K0	CO	5504	P -62 5808	
78	10.0	10.0W	9 19.848	-0.0029	14	-63 20 42.77	0.028	14	0.15	19.861	14	45.7	42.89	14	45.7	A3	CO	5505	P -63 4333	
79		6.4T	9 27.715	-0.0039	11	-63 42 11.45	-0.050	07	0.50	27.897	19	03.3	8.67	18	94.8	K2	GC	24817K	P -63 4334	
80	10.0	10.0W	9 27.742	-0.0020	12	-62 57 6.83	0.222	12	0.15	27.751	14	45.7	7.79	14	45.7	A2	CO	5506	P -62 5811	
81		7.9T	9 35.793	0.0019	12	-65 12 46.00	-0.046	10	0.58	35.703	18	02.1	43.61	18	98.6	F0	GC	24823	P -65 3640	
82	10.1	9.8W	9 38.105	0.0033	15	-62 43 13.13	-0.009	15	0.16	38.090	14	45.7	13.09	14	45.7	F8	CO	5508	P -62 5812	
83		7.7	9 40.087	-0.0059	25	-66 49 44.17	0.040	36	1.81	40.415	53	94.7	46.36	63	94.7		M4	3917	P -66 3280	
84		9.5	9 47.539	0.0142	25	-69 23 36.93	0.010	36	1.60	46.854	53	01.7	37.42	63	01.7		M4	3915	P -69 2850	
85	8.5	8.6W	10 4.797	-0.0011	07	-61 39 8.52	0.018	07	0.14	4.802	14	45.7	8.60	14	45.7	A2	CO	5509	P -61 6119	
86	9.5	9.2W	10 6.341	0.0016	13	-60 46 54.00	0.005	13	0.15	6.334	14	45.7	54.02	14	45.7	G0	CO	5510	P -60 7015	
87	10.1	9.9W	10 26.825	-0.0017	09	-61 46 39.18	-0.018	09	0.15	26.832	14	45.7	39.10	14	45.7	G0	CO	5513	P -61 6120	
88	10.3	9.1W	10 33.304	0.0018	08	-60 23 32.60	-0.020	08	0.14	33.296	14	45.7	32.52	14	45.7	K0	CO	5514	P -60 7017	
89		5.6T	10 55.958	-0.0023	06	-63 4 16.36	-0.030	05	0.27	56.057	12	06.5	14.91	12	02.0	K0	GC	24861K	P -63 4343	
90	9.9	9.3W	11 2.330	0.0022	15	-62 33 24.51	-0.097	15	0.16	2.321	14	45.7	24.09	14	45.7	G5	CO	5517	P -62 5817	
91	9.2	9.4W	11 12.468	0.0009	07	-60 40 43.05	-0.007	07	0.14	12.464	14	45.7	43.02	14	45.7	A0	CO	5518	P -60 7019	
92	9.9	9.0W	11 16.552	-0.0021	07	-63 18 11.51	-0.028	07	0.14	16.561	14	45.7	11.39	14	45.7	K0	CO	5519	P -63 4346	
93	8.5	8.8W	11 34.747	-0.0010	07	-63 21 24.18	0.003	07	0.14	34.751	14	45.7	24.19	14	45.7	A0	CO	5520	P -63 4349	
94	10.3	9.9W	12 28.617	0.0031	09	-60 37 3.03	-0.025	09	0.15	28.604	14	45.7	2.92	14	45.7	A5	CO	5521	P -60 7021	
95		8.0	12 37.639	0.0021	25	-67 22 27.45	-0.022	36	1.81	37.523	53	94.7	26.21	63	94.7		M4	3925	P -67 3508	
96		6.3T	12 40.195	0.0012	09	-68 14 50.95	-0.012	07	0.40	40.146	14	07.1	50.39	14	01.6	A0	GC	24902K	P*-68 3081	
97	9.5	9.0W	13 5.887	0.0126	07	-61 43 31.21	-0.141	07	0.14	5.832	14	45.7	30.60	14	45.7	G0	CO	5522	P -61 6122	
98		8.1T	13 13.712	0.0012	12	-69 37 5.61	-0.024	12	0.67	13.649	22	99.5	4.32	21	96.3	B9	GC	24912	P -69 2860	
99		7.0T	13 43.782	0.0012	15	-61 13 39.24	-0.031	11	0.65	43.728	21	05.2	37.71	18	01.1	G5	GC	24924	P -61 6124	
100	8.9	9.2W	13 47.728	0.0086	15	-62 52 26.45	0.009	15	0.16	47.691	14	45.7	26.49	14	45.7	A0	CO	5525	P -62 5827	

254200 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 18H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		CAT.	STAR NUMBER	DM NUMBER
1	9.7	9.2W	18 14 5.567	0.0058	07	-61 57 16.81	-0.026	07	0.14	5.542	14	45.7	16.70	14	45.7	G0		C0	5527	P -61 6125
2		8.2T	14 6.361	-0.0018	12	-67 20 53.38	-0.031	12	0.66	6.452	22	99.4	51.77	21	98.7	K5		GC	24938	P -67 3510
3	10.2		14 8.870	0.0142	13	-64 5 43.03	0.011	13	0.15	8.809	14	45.7	43.08	14	45.7	A1	O	C0	5528	P -64 3862
4	8.3	8.6W	14 11.730	0.0003	15	-63 52 25.04	0.010	15	0.16	11.729	14	45.7	25.08	14	45.7	A0		C0	5529	P -63 4368
5	10.5	9.3W	14 16.537	0.0014	15	-62 49 54.82	0.040	15	0.16	16.530	14	45.7	54.99	14	45.7	G8	O	C0	5530	P -62 5828
6		7.6	14 39.016	-0.0019	33	-66 40 34.38	-0.066	43	2.27	39.126	75	93.6	30.64	57	93.6			M3	2316	
7	10.0	8.8W	14 48.630	-0.0005	07	-61 49 32.62	-0.028	07	0.14	48.632	14	45.7	32.50	14	45.7	K5		C0	5531	P -61 6128
8		9.2T	14 49.635	-0.0010	13	-65 26 43.84	-0.003	12	0.61	49.682	21	04.2	43.68	19	03.8	K0		GC	24957	P -65 3660
9		6.2T	14 50.160	0.0073	12	-63 54 13.83	-0.285	08	0.56	49.815	21	02.8	58.18	18	95.2	G0		GC	24958K	P -63 4370
10	10.0	8.9W	14 50.904	0.0004	07	-61 39 19.27	-0.015	07	0.14	50.902	14	45.7	19.20	14	45.7	K2		C0	5533	P -61 6129
11		9.0	15 56.431	-0.0008	25	-68 57 24.88	0.009	36	1.81	56.477	53	94.7	25.38	63	94.7			M4	3934	P -68 3092
12	8.6	8.4W	16 7.558	0.0063	07	-62 58 3.45	-0.106	07	0.14	7.531	14	45.7	2.99	14	45.7	F8		C0	5536	P -62 5832
13	9.4	8.5W	16 12.578	0.0017	07	-63 16 17.12	-0.100	07	0.14	12.571	14	45.7	16.69	14	45.7	K0		C0	5538	P -63 4360
14	8.1	8.0W	16 30.938	-0.0056	07	-62 12 49.81	-0.140	07	0.14	30.962	14	45.7	49.20	14	45.7	F8		C0	5539	P -62 5836
15	9.7	9.4W	16 57.590	0.0017	13	-61 41 30.02	-0.027	13	0.15	57.582	14	45.7	29.90	14	45.7	F8		C0	5540	P -61 6137
16	8.5	8.7W	17 1.341	0.0016	13	-61 10 13.36	-0.008	13	0.15	1.334	14	45.7	13.32	14	45.7	A2		C0	5541	P -61 6138
17	8.2	8.5W	17 11.509	-0.0022	06	-63 38 33.13	-0.012	06	0.14	11.519	14	45.7	33.08	14	45.7	A0		C0	5542	P -63 4384
18		7.3T	17 19.201	-0.0004	14	-63 24 20.62	-0.008	12	0.64	19.217	21	05.2	20.98	19	04.5	G5		GC	25011	P -63 4385
19		8.4	17 26.160	-0.0019	25	-66 7 45.90	-0.026	36	1.48	26.247	45	04.7	44.72	53	04.7			M4	3940	P -66 3321
20		9.0	17 38.118	-0.0089	25	-69 31 57.56	0.004	36	1.58	38.537	53	02.7	57.75	63	02.7			M4	3937	P -69 2873
21		9.4	18 11.555	-0.0040	25	-64 24 14.13	-0.049	36	1.43	11.723	53	07.7	12.04	63	07.7			M4	3942	P -64 3881
22	9.6	9.7W	18 13.061	0.0028	13	-63 55 39.15	-0.040	13	0.15	13.049	14	45.7	38.98	14	45.7	A3	O	C0	5544	P -63 4391
23	8.6	8.5W	18 20.956	0.0058	15	-62 36 45.08	0.026	15	0.16	20.931	14	45.7	45.19	14	45.7	F5		C0	5545	P -62 5842
24		8.6	18 25.750	-0.0068	25	-68 22 13.55	-0.018	36	1.78	26.122	53	95.6	12.60	63	95.6			M4	3941	P -68 3100
25		7.0T	18 26.855	-0.0008	11	-60 46 26.58	-0.010	07	0.47	31.891	17	06.0	26.04	15	96.8	A3		GC	25041	P -60 7031
26		4.2H	18 37.191	0.0006	03	-61 31 9.62	0.004	03	0.12	37.175	06	17.6	9.74	06	19.0	K2		F4	686	P -61 6140
27	8.7	8.0W	19 6.394	0.0006	06	-63 24 40.54	-0.034	06	0.14	6.391	14	45.7	40.39	14	45.7	K0		C0	5549	P -63 4398
28	10.3	9.3W	19 12.113	-0.0013	13	-64 6 36.20	-0.006	13	0.15	12.119	14	45.7	36.18	14	45.7	G8	O	C0	5550	P -64 3888
29		8.8	19 18.972	0.0091	25	-66 54 36.76	0.011	36	1.81	18.470	53	94.6	37.40	63	94.6			M4	3945	P -66 3331
30	10.0	9.2W	19 27.974	-0.0120	09	-60 4 17.73	-0.211	09	0.15	28.025	14	45.7	16.82	14	45.7	K0		C0	5551	P -60 7032
31		8.2	19 29.311	0.0062	25	-67 29 43.95	0.030	36	1.52	29.029	53	04.7	45.32	63	04.7			M4	3946	P -67 3532
32		8.3	19 41.519	-0.0059	25	-65 26 49.61	-0.035	36	1.40	41.762	53	09.0	48.16	63	09.0			M4	3948	P -65 3684
33	9.0	8.8W	19 49.253	0.0041	07	-60 9 1.47	-0.036	07	0.14	49.235	14	45.7	1.32	14	45.7	F5		C0	5554	P -60 7033
34	9.7	9.4W	20 8.242	-0.0043	12	-63 13 49.08	0.003	12	0.15	8.261	14	45.7	49.09	14	45.7	K2		C0	5555	P -63 4401
35	8.0	8.0W	20 31.858	0.0018	06	-62 31 44.93	0.015	06	0.14	31.851	14	45.7	44.99	14	45.7	F2		C0	5556	P -62 5853
36	9.2	7.9W	20 41.427	-0.0062	06	-61 2 46.10	-0.019	06	0.14	41.454	14	45.7	46.02	14	45.7	K2		C0	5557	P -61 6143
37		6.4T	20 47.096	0.0000	10	-63 2 53.19	-0.098	07	0.50	47.096	19	00.2	47.70	18	94.0	A2		GC	25097	P -63 4406
38		7.9T	20 55.666	0.0014	13	-69 32 15.89	-0.022	12	0.67	55.595	22	00.6	14.74	21	97.6	K0		GC	25102	P -69 2884
39	9.4	9.4W	21 3.480	0.0014	07	-65 58 59.62	-0.022	07	0.14	3.474	14	45.7	59.52	14	45.7	A2		C0	5559	P -61 6145
40	9.7	8.2W	21 4.923	0.0018	07	-60 8 5.24	-0.006	07	0.14	4.915	14	45.6	5.22	14	45.6	K2		C0	5917	P -60 7036
41		9.2	21 15.886	-0.0018	25	-68 29 44.82	-0.128	36	1.51	15.966	53	05.0	39.06	63	05.0			M4	3950	P -68 3112
42		8.0T	21 32.999	-0.0002	13	-69 24 38.06	-0.036	12	0.67	33.009	21	99.9	36.17	19	97.4	A0		GC	25115	P -69 2886
43		8.8	21 49.841	-0.0039	25	-66 14 45.92	-0.008	36	1.42	50.013	36	06.1	45.56	45	06.1			M4	3953	P -66 3344
44	9.4	9.3W	21 52.247	0.0033	07	-62 13 34.46	-0.014	07	0.14	52.232	14	45.7	34.40	14	45.7	A0		C0	5561	P -62 5858
45	8.0	7.9W	21 58.370	0.0019	06	-61 41 21.63	-0.029	06	0.14	58.362	14	45.7	21.50	14	45.7	A3		C0	5562	P -61 6146
46	9.4	7.9W	22 13.553	0.0019	06	-61 18 46.71	0.002	06	0.14	13.544	14	45.7	46.72	14	45.7	K5		C0	5563	P -61 6147
47		9.0	22 31.371	0.0041	33	-65 55 36.33	-0.040	43	2.30	31.139	75	92.6	34.05	53	92.6			M3	2332	
48	10.0	10.0W	22 33.688	0.0016	13	-62 38 43.12	0.016	13	0.15	33.681	14	45.7	43.19	14	45.7	A0	O	C0	5564	P -62 5862
49		8.1T	22 37.582	0.0010	13	-69 20 40.82	0.006	12	0.68	37.534	22	01.6	41.13	21	98.4	K0		GC	25139	P -69 2889
50	10.3	8.7W	22 54.149	0.0011	09	-61 14 59.46	0.012	09	0.15	54.144	14	45.7	59.52	14	45.7	K5		C0	5565	P -61 6148
51	9.1	8.3W	18 23 17.195	0.0032	07	-63 20 38.46	-0.039	07	0.14	17.181	14	45.7	38.29	14	45.7	K0		C0	5566	P -63 4415
52	9.9	9.7W	23 33.905	0.0075	15	-62 1 51.39	-0.003	15	0.16	33.872	14	45.7	51.40	14	45.7	A8	O	C0	5567	P -62 5868
53	10.0	8.7W	23 38.682	0.0007	07	-63 51 42.37	-0.020	07	0.14	38.675	14	45.7	42.28	14	45.7	K2		C0	5568	P -63 4416
54	9.0	8.7W	23 55.068	0.0074	06	-60 16 7.31	-0.045	06	0.14	55.036	14	45.7	7.12	14	45.7	G0		C0	5569	P -60 7041
55	9.2	9.2W	23 56.281	0.0025	13	-61 36 53.99	-0.021	13	0.15	56.272	14	45.7	53.90	14	45.7	A0		C0	5570	P -61 6149
56		8.2	24 4.061	-0.0019	25	-65 13 16.21	-0.078	36	1.76	4.166	36	95.2	11.91	53	95.2			M4	3966	P -65 3710
57		8.4	24 4.868	0.0062	25	-68 53 56.53	-0.008	36	1.40	4.615	53	09.0	56.21	63	09.0			M4	3963	P -68 3121
58	9.7	9.7W	24 6.798	-0.0029	13	-62 50 19.63	0.061	13	0.15	6.811	14	45.7	19.89	14	45.7	F0	O	C0	5572	P -62 5869
59	9.7	8.3W	24 17.736	0.0027	06	-60 38 30.17	0.010	06	0.14	17.724	14	45.7	30.22	14	45.7	K2		C0	5573	P -60 7042
60		9.0	24 18.777	-0.0019	25	-67 35 48.43	-0.011	36	1.60	18.870	45	00.3	47.91	45	00.3			M4	3965	P -67 3548
61	9.9	9.8W	24 59.992	0.0095	15	-63 0 31.67	0.027	15	0.16	59.951	14	45.7	31.79	14	45.7	A2	O	C0	5574	P -63 4420
62		7.5T	25 14.048	-0.0005	11	-66 58 7.83	0.007	12	0.64	14.076	22	98.1	8.17	21	98.0	A0		GC	25188	P -67 3553
63	9.8	9.9W	25 16.288	0.0032	13	-61 4 26.39	0.005	13	0.15	16.274	14	45.7	26.42	14	45.7	A0	O	C0	5575	P -61 6156
64	10.5	10.1W	25 27.416	0.0001	11	-60 5 11.11	0.002	11	0.15	27.415	14	45.7	11.12	14	45.7	A5	O	C0	5576	P -60 7051
65	9.1	7.9W	25 36.415	0.0009	06	-63 11 8.56	-0.015	06	0.14	36.411	14	45.7	8.49	14	45.7	K0		C0	5578	P -63 4421
66	9.2	9.2W	25 38.133	0.0043	13	-60 42 46.99	0.007	13	0.15	38.114	14	45.7	47.02	14	45.7	A2		C0	5579	P -60 7053
67		8.5	26 11.914	0.0011	25	-66 28 56.57	-0.102	36	1.75	11.855	53	96.6	51.15	63	96.6			M4	3970	P -66 3363
68		8.3	26 14.762	0.0001	33	-67 59 20.33	0.048	43	2.27	14.753	75	93.6	23.06	57	93.6			M3	2338	
69	7.9	8.0W	26 18.528	0.0039	06	-63 4 32.78	0.026	06	0.14	18.511	14	45.7	32.89	14	45.7	A0		C0	5582	P -63 4422
70	9.3	9.2W	26 20.351	0.0004	07	-64 9 37.16	0.005	07	0.14	20.349	14	45.7	37.18	14	45.7	A3		C0	5583	P -64 3923
71	10.2	9.4W	26 24.604	0.0026	14	-61 40 47.16	-0.036	14	0.15	24.592	14	45.7	47.00	14	45.7	G5	O	C0	5585	P -61 6164
72	9.6	8.7W	26 25.304	0.0016	09	-61 11 19.91	-0.022	09	0.15	25.304	14	45.7	19.82	14	45.7	K0		C0	5586	P -61 6165
73		4.8T	26 42.408	0.0006	05	-62 18 46.06	-0.043	04	0.25	42.381	12	05.7	43.94	12	00.9	B8		GC	25227	P* -62 5879
74		8.6	26 44.267	0.0092	25	-68 22 50.10	0.009	36	1.40	43.891	53	09.0	50.48	63	09.0			M4	3973	P -68 3136
75		7.8T	26 51.760	0.0019	12	-62 20 0.39	-0.005	13	0.57	51.681	18	08.9	0.16	19	06.4	A2		GC	25231	P -62 5881
76	9.7	8.7W	27 2.545	-0.0013	07	-62 53 57.68	0.025	07	0.14	2.551	14	45.7	57.79	14	45.7	K0		C0	5590	P -62 5882
77	10.0	9.8W	27 10.461	0.0070	15	-63 14 6.02	-0.053	15	0.16	10.431	14	45.7	5.79	14	45.7	F8	O	C0	5591	P -63 4423
78	10.1	10.2W	27 40.197	0.0007	20	-60 56 16.15	0.037	20	0.17	40.194	14	45.7	16.32	14	45.7	A0	O	C0	5592	P -60 7062
79	10.1	9.9W	27 42.103	0.0021	07	-61 7 33.95	0.015	07	0.14	42.094	14	45.7	34.02	14	45.7	F6	O	C0	5594	P -61 6176
80		8.1	27 55.374	0.0021	25	-65 17 55.51	-0.049	36	1.81	55.260	53	94.7	52.77	63	94.7			M4	3977	P -65 3731
81	11.11		28 5.083	-0.0002	13	-60 56 9.47	0.012	13	0.15	5.084	14	45.7	9.52	14	45.7	G5	O	C0	5595	P -60 7066
82	9.8	9.0W	28 41.138	0.0052	07	-60 10 59.91	-0.023	07	0.14	41.115	14	45.7	59.82	14	45.7	G5	O	C0	5596	P -60 7070
83		9.3	28 43.263	0.0012	33	-69 56 27.27	0.014	43	2.30	43.196	75	92.5	28.08	57	92.6			M3	2342	
84	9.3	9.3W	28 53.456	0.0000	07	-60 16 19.23	-0.028	07	0.14	53.455	14	45.7	19.11	14	45.7	A4	O	C0	5598	P -60 7072
85	10.1	9.8W	29 4.884	0.0023	07	-60 40 22.75	0.017	07	0.14	4.874	14	45.7	22.82	14	45.7	F5	O	C0	5600	P -60 7075
86		7.1Q	29 9.786	-0.0000	10	-66 19 3.54	-0.013	08	0.55	9.788	21	95.4	2.74	18	89.1	G5		GC	25296K	P* -66 3380
87	9.4	9.3W	29 24.431	0.0015	07	-61 24 3.93	-0.027	07	0.14	24.424	14	45.7	3.82	14	45.7	F0		C0	5601	P -61 6184
88		9.2	29 53.171	0.0062	25	-69 21 19.07	-0.023	36	1.63	52.866	53	00.7	17.94	63	00.7			M4	3980	P -69 2909
89	10.5	9.9W	29 55.822	0.0023	13	-61 54 45.97	0.007	13	0.15	55.812	14	45.7	46.00	14	45.7	G2	O	C0	5603	P -61 6185
90		8.8	30 0.752	-0.0028	25	-66 12 56.45	-0.113	36	1.58	0.892	36	00.5	50.87	45	00.5			M4	3984	P -66 3382
91		8.8	30 1.386	-0.0028	25	-67 34 32.75	-0.055	36	1.43	1.503	53	07.7	30.41	63	07.7			M4	3983	P -67 3574
92	10.1	9.0W	30 28.046	0.0009	12	-62 13 23.53	-0.013	12	0.15	28.042	14	45.7	22.97	14	45.7	K0		C0	5607	P -62 5891
93	10.0		30 37.988	0.0033	07	-60 30 33.70	-0.026	07	0.14	37.974	14	45.7	33.59	14	45.7	A2	O	C0	5608	P -60 7083
94	9.1	9.2W	30 40.680	0.0009	06	-60 16 13.91	-0.004	06	0.14	40.675	14	45.7	13.89	14	45.7	A0		C0	5609	P -60 7084
95	9.0	8.9W	30 42.608	0.0017	07	-62 44 51.30	-0.033	07	0.14	42.601	14	45.7	51.16	14	45.7	F2		C0	5610	P -62 5893
96		8.7	30 55.665	-0.0027	33	-69 55 30.92	-0.012	43	2.26	55.818	75	93.7	31.57	57	93.7			M3	2347	
97		8.3	31 2.774	0.0043	33	-69 7 17.76	-0.022	43	2.27	2.532	75	93.6	16.55	57	93.6			M3	2348	
98	10.1	9.4W	31 3.309	0.0019	13	-63 9 19.35	-0.020	13	0.15	3.301	14	45.7	19.26	14	45.7	G5	O	C0	5611	P -63 4429
99	9.6	9.3W	31 9.379	0.0034	07	-60 53 13.38	0.026	07	0.14	9.364	14	45.7	13.49	14	45.7	F6	O	C0	5613	P -60 7090
00	10.3	9.2W	31 15.808	-0.0060	07	-61 15 41.36	-0.409	07	0.14	15.834	14	45.7	39.59	14	45.7	K5		C0	5614	P -61 6193

254300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-60° 18H DM NUMBER
1	10.4	9.5W	18 31 24.712	0.0042	07	-60 48 2.81	-0.005	07	0.14	24.694	14	45.7	2.79	14	45.7	G5 ○	CD	5615	P -60 7092
2		7.8	31 27.490	0.0032	25	-66 55 45.59	-0.034	36	1.81	27.314	53	94.7	43.72	63	94.7		M4	3987	P -66 3383
3		8.0T	31 28.133	0.0016	10	-60 25 10.88	-0.024	10	0.48	28.062	17	07.2	9.78	18	03.6	A0	GC	25356	P -60 7093
4	9.1	8.9W	31 41.627	0.0051	07	-60 6 36.66	-0.061	07	0.14	41.605	14	45.7	36.39	14	45.7	F5	CD	5617	P -60 7096
5	10.1	9.2W	31 49.533	0.0033	07	-63 55 59.13	0.006	07	0.14	49.519	14	45.7	59.16	14	45.7	K0	CD	5618	P -63 4432
6	9.0	8.9W	32 21.616	0.0010	07	-61 32 4.24	-0.040	07	0.14	21.612	14	45.7	4.07	14	45.7	A0	CD	5620	P -61 6196
7		8.7	32 22.293	-0.0027	25	-69 1 35.19	-0.000	36	1.78	22.440	53	95.7	35.22	63	95.7		M4	3990	P -69 2921
8	9.7	8.9W	32 25.320	-0.0060	12	-60 0 55.81	-0.005	12	0.15	25.345	14	45.7	55.79	14	45.7	K0	CD	5621	P -60 7098
9		9.2	32 48.532	-0.0027	25	-68 24 58.58	-0.027	36	1.64	48.669	45	99.6	57.21	53	99.6		M4	3992	P -68 3154
10	9.2	9.2W	32 55.450	0.0014	07	-60 48 17.24	-0.011	07	0.14	55.444	14	45.7	17.19	14	45.7	A0 ○	CD	5623	P -60 7100
11		9.2	33 4.456	-0.0018	25	-65 5 8.37	-0.058	36	1.55	4.541	53	03.7	5.68	63	03.7		M4	3995	P -65 3743
12	10.0	8.8W	33 7.474	0.0047	07	-60 31 34.61	0.019	07	0.14	7.454	14	45.7	34.69	14	45.7	G7 ○	CD	5624	P -60 7103
13	8.6	8.5W	33 13.226	0.0027	13	-61 27 47.59	0.000	13	0.15	13.214	14	45.7	47.59	14	45.7	A5	CD	5625	P -61 6198
14	9.8	8.8W	33 46.810	0.0015	06	-60 32 51.99	0.024	06	0.14	46.804	14	45.7	52.09	14	45.7	G8 ○	CD	5626	P -60 7106
15	10.5	9.2W	33 59.740	-0.0013	06	-60 16 5.01	-0.004	06	0.14	59.746	14	45.7	4.99	14	45.7	K5 ○	CD	5628	P -60 7109
16	10.3	9.9W	34 0.339	-0.0005	12	-63 8 24.88	-0.028	12	0.15	0.341	14	45.7	24.76	14	45.7	F3 ○	CD	5629	P -63 4436
17	9.2	9.5W	34 1.976	0.0047	07	-60 14 42.55	-0.002	07	0.14	1.955	14	45.7	42.49	14	45.7	A	CD	5630	P -60 7111
18	9.7	9.4W	34 2.282	0.0061	06	-60 15 23.12	0.016	06	0.14	2.255	14	45.7	23.19	14	45.7	A	CD	5631	P -60 7110
19	10.1	9.9W	34 2.352	0.0110	13	-61 5 53.53	-0.101	13	0.15	2.304	14	45.7	53.09	14	45.7	G0 ○	CD	5632	P -61 6200
20	9.5	9.1W	34 4.012	0.0049	11	-63 25 28.58	-0.041	11	0.15	3.991	14	45.7	28.56	14	45.7	G0	CD	5633	P -63 4437
21		7.9T	34 16.933	0.0031	13	-64 54 26.18	-0.021	11	0.56	16.804	18	07.7	25.19	18	02.0	K0	GC	25428	P -64 3936
22	9.1	9.0W	34 30.011	0.0016	06	-60 39 13.05	0.020	06	0.14	30.004	14	45.7	13.09	14	45.7	F0 ○	CD	5634	P -60 7115
23		8.3T	34 46.419	0.0021	12	-65 56 4.21	-0.012	12	0.62	46.319	19	02.0	4.78	19	00.9	A3	GC	25442	P -65 3746
24		7.5T	35 9.507	0.0001	15	-64 46 14.96	-0.048	12	0.67	9.504	21	04.0	12.59	19	00.3	A2	GC	25460	P*-64 3938
25	10.7		35 26.840	0.0046	15	-62 50 50.49	-0.006	15	0.16	26.821	14	45.7	50.46	14	45.7	F9 ○	CD	5637	P -62 5907
26	10.0	9.0W	35 28.434	0.0007	13	-62 39 43.18	-0.005	13	0.15	28.431	14	45.7	43.16	14	45.7	K0	CD	5638	P -62 5909
27	8.5	8.8W	35 37.510	0.0018	07	-62 10 36.66	0.002	07	0.14	37.502	14	45.7	36.67	14	45.7	A0	CD	5639	P -62 5911
28	10.1	9.8W	35 54.642	0.0004	15	-62 46 35.23	-0.017	15	0.16	54.641	14	45.7	35.16	14	45.7	F7 ○	CD	5640	P -62 5914
29	10.4	9.2W	36 2.673	0.0053	15	-62 30 28.14	-0.088	15	0.16	2.650	14	45.7	27.76	14	45.7	K0	CD	5642	P -62 5917
30	9.5	9.7W	36 27.260	0.0013	07	-61 27 21.58	0.003	07	0.14	27.254	14	45.7	21.59	14	45.7	A0	CD	5644	P -61 6212
31		8.1	36 27.378	0.0021	25	-69 4 51.44	-0.033	36	1.78	27.265	53	95.7	49.63	63	95.7		M4	4002	P -69 2931
32	10.3	9.4W	36 30.313	0.0033	06	-63 34 53.88	0.041	06	0.14	30.299	14	45.7	54.06	14	45.7	K0	CD	5645	P -63 4438
33		8.4	36 43.824	0.0081	25	-69 5 9.85	-0.003	36	1.78	43.384	53	95.7	9.67	63	95.7		M4	4004	P -69 2933
34	10.1	9.0W	36 46.515	0.0021	11	-60 21 17.70	-0.001	11	0.15	46.506	14	45.7	17.69	14	45.7	G6 ○	CD	5646	P -60 7129
35	9.8	8.8W	36 46.629	0.0130	15	-62 3 23.39	-0.006	15	0.16	46.572	14	45.7	23.37	14	45.7	K0	CD	5647	P -62 5922
36	9.9	9.0W	37 6.706	0.0012	07	-62 49 18.94	-0.018	07	0.14	6.750	14	45.7	18.86	14	45.7	G5	CD	5649	P -62 5924
37	10.1	8.7W	37 6.719	-0.0009	11	-61 59 1.90	-0.007	11	0.15	6.722	14	45.7	1.87	14	45.7	K5	CD	5650	P -62 5926
38		9.0	37 12.134	0.0106	25	-64 22 7.19	-0.243	36	1.38	11.706	53	09.6	-57.38	63	09.6		M4	4008	P -64 3940
39		7.7T	37 12.719	0.0019	12	-69 26 7.33	-0.001	12	0.64	12.626	19	01.2	7.26	18	98.3	G5	GC	25523	P -69 2935
40	10.3	10.0W	37 17.241	0.0094	15	-62 58 11.53	-0.015	15	0.16	17.200	14	45.7	11.46	14	45.7	F5 ○	CD	5651	P -63 4439
41		8.4T	37 17.891	0.0026	18	-64 32 47.83	-0.029	14	0.75	17.780	22	06.7	46.55	19	05.3	K2	GC	25526	P -64 3941
42	10.7	9.8W	37 20.288	0.0081	20	-62 27 39.03	-0.015	20	0.17	20.253	14	45.7	38.97	14	45.7	G0 ○	CD	5652	P -62 5927
43		6.5T	37 29.816	-0.0001	10	-64 41 27.24	-0.031	07	0.51	29.823	19	98.0	25.44	17	91.3	A2	GC	25529	P -64 3942
44	10.2	9.8W	37 35.926	0.0031	13	-62 27 22.79	-0.052	13	0.15	35.913	14	45.7	22.51	14	45.7	F8 ○	CD	5653	P -62 5930
45	9.8	9.2W	37 47.122	-0.0008	09	-60 8 57.08	-0.114	09	0.15	47.125	14	45.7	56.59	14	45.7	G8 ○	CD	5654	P -60 7134
46	10.2	9.1W	37 49.582	0.0067	07	-62 22 25.30	0.016	07	0.14	49.553	14	45.7	25.37	14	45.7	G0	CD	5655	P -62 5931
47		9.1	37 58.149	-0.0040	25	-66 45 55.59	-0.043	36	1.75	58.364	53	96.6	53.31	63	96.6		M4	4011	P -66 3385
48		9.0	37 58.858	0.0060	25	-66 20 53.45	-0.024	36	1.52	58.627	45	03.7	52.36	53	03.7		M4	4012	P -66 3386
49	9.9	10.0W	38 17.694	0.0034	06	-63 41 12.82	-0.015	06	0.14	17.679	14	45.7	12.75	14	45.7	F0	CD	5656	P -63 4441
50	10.0	9.9W	38 18.597	-0.0059	12	-62 12 24.54	0.031	12	0.15	18.622	14	45.7	24.67	14	45.7	A2	CD	5657	P -62 5938
51	9.2	8.4W	18 38 24.559	0.0023	06	-63 41 15.54	-0.020	06	0.14	24.549	14	45.7	15.45	14	45.7	G0	CD	5658	P -63 4442
52	10.1	9.9W	38 27.143	-0.0042	11	-62 31 50.73	0.031	11	0.15	27.161	14	45.7	50.86	14	45.7	F5 ○	CD	5662	P -62 5940
53		5.8T	38 45.125	0.0017	11	-64 36 1.34	-0.035	08	0.52	45.041	18	99.2	-59.42	17	94.5	K0	GC	25561	P -64 3943
54	9.7	9.4W	39 1.249	0.0023	15	-64 0 57.95	-0.045	15	0.16	1.239	14	45.7	57.75	14	45.7	F8	CD	5662	P -64 3944
55		8.8	39 23.611	0.0031	25	-68 34 52.43	0.031	36	1.75	23.447	53	96.7	54.07	63	96.7		M4	4018	P -68 3159
56	8.1	8.1W	39 31.226	-0.0015	07	-61 30 48.05	0.028	07	0.14	31.232	14	45.7	48.17	14	45.7	F0	CD	5664	P -61 6223
57		8.8	40 32.428	-0.0029	33	-67 54 8.47	0.014	43	2.27	32.593	75	93.6	9.27	57	93.6		M3	2367	
58		4.9T	40 32.655	0.0035	04	-64 55 16.21	-0.156	03	0.19	32.511	07	08.4	8.99	07	03.6	A2	GC	25604	P -64 3948
59		6.2T	40 38.563	0.0041	10	-61 8 47.95	-0.021	08	0.45	38.384	17	06.5	46.91	15	99.9	K2	GC	25606	P -61 6229
60	9.2	9.1W	40 39.602	0.0068	15	-62 28 16.60	-0.007	15	0.16	39.573	14	45.7	16.57	14	45.7	F0	CD	5670	P -62 5951
61	9.5	9.3W	41 9.127	0.0053	07	-61 9 58.41	-0.004	07	0.14	9.104	14	45.7	58.39	14	45.7	F0	CD	5672	P -61 6231
62		9.4	41 27.896	0.0041	25	-68 37 15.11	-0.057	36	1.61	27.698	53	01.4	12.32	63	01.4		M4	4024	P -68 3161
63	9.0	7.9W	41 42.690	0.0002	06	-64 5 39.29	-0.032	06	0.14	42.689	14	45.7	39.15	14	45.7	K0	CD	5674	P -64 3953
64		7.2T	41 56.018	0.0022	13	-65 18 11.96	0.003	11	0.62	55.915	19	03.5	12.11	18	01.8	K5	GC	25641	P -65 3752
65	8.8	8.5W	42 27.802	-0.0019	11	-62 47 8.50	-0.010	11	0.15	27.811	14	45.7	8.46	14	45.7	G0	CD	5675	P -62 5959
66	10.5		42 31.095	-0.0014	12	-63 25 15.94	0.006	12	0.15	31.101	14	45.7	15.96	14	45.7	F0 ○	CD	5676	P -63 4447
67		9.1	42 37.501	0.0050	25	-66 9 3.82	-0.037	36	1.51	37.267	36	03.0	2.06	45	03.0		M4	4027	P -66 3393
68		7.7T	42 53.729	0.0027	13	-60 25 45.89	-0.022	10	0.57	53.609	18	06.2	44.85	17	02.1	B9	GC	25672	P -60 7161
69	9.1	9.3W	42 54.015	0.0028	07	-62 1 36.65	-0.018	07	0.14	54.003	14	45.7	36.57	14	45.7	A0	CD	5678	P -62 5961
70	10.2	9.0W	42 55.042	0.0096	15	-62 34 47.18	-0.004	15	0.16	55.001	14	45.7	47.16	14	45.7	K0	CD	5679	P -62 5960
71	10.1	8.7W	43 4.574	-0.0015	15	-63 1 30.72	0.034	15	0.16	4.581	14	45.7	30.86	14	45.7	K0	CD	5680	P -63 4449
72		7.4T	43 28.048	0.0029	14	-62 17 1.99	-0.082	12	0.60	27.928	18	09.0	-58.18	19	03.4	F8	GC	25694	P -62 5963
73	10.3	9.2W	43 35.177	0.0030	11	-60 35 0.64	-0.011	11	0.15	35.164	14	45.7	0.69	14	45.7	K0	CD	5682	P -60 7166
74		5.9T	43 43.343	-0.0058	04	-65 7 56.63	-0.081	04	0.24	43.635	10	99.6	52.31	09	96.6	A3	GC	25706	P*-65 3754
75		7.5T	44 19.645	0.0032	14	-63 19 33.92	-0.001	12	0.61	19.510	19	08.0	33.89	19	02.5	A0	GC	25724	P -63 4451
76	9.0	8.0W	44 25.473	0.0064	06	-60 19 12.58	-0.020	06	0.14	25.446	14	45.7	12.49	14	45.7	K0	CD	5685	P -60 7171
77	10.5		44 28.164	-0.0038	13	-62 51 34.95	0.002	13	0.15	28.181	14	45.7	34.96	14	45.7	F0 ○	CD	5686	P -62 5968
78	9.6	9.0W	44 33.507	0.0056	07	-62 25 39.60	-0.007	07	0.14	33.483	14	45.7	39.57	14	45.7	G5	CD	5687	P -62 5969
79		9.3	44 34.887	0.0020	25	-66 18 20.68	-0.013	36	1.36	34.806	45	09.7	20.14	63	09.7		M4	4035	P -66 3396
80	10.5		45 8.666	0.0024	09	-60 17 43.22	0.017	09	0.15	8.655	14	45.7	43.29	14	45.7	F2 ○	CD	5690	P -60 7173
81	9.1	9.2W	45 13.572	0.0022	15	-62 13 28.72	0.011	15	0.16	13.563	14	45.7	28.77	14	45.7	A0	CD	5692	P -62 5971
82	9.9	9.2W	45 30.879	0.0046	13	-63 59 13.85	-0.091	13	0.15	30.859	14	45.7	13.45	14	45.7	G5	CD	5693	P -64 3961
83	10.4	8.8W	45 34.415	-0.0003	08	-60 18 48.93	-0.010	08	0.14	34.416	14	45.7	48.89	14	45.7	MA	CD	5694	P -60 7177
84	9.8	9.9W	46 12.506	0.0052	11	-60 34 44.21	-0.004	11	0.15	12.484	14	45.7	44.19	14	45.7	A0	CD	5698	P -60 7179
85	10.3	9.9W	46 34.912	0.0021	15	-62 14 51.45	0.027	15	0.16	34.903	14	45.7	51.57	14	45.7	F8 ○	CD	5700	P -62 5976
86	9.9	9.8W	46 40.932	-0.0067	14	-62 53 9.24	0.029	14	0.15	40.961	14	45.7	9.36	14	45.7	A3 ○	CD	5701	P -62 5977
87		7.8T	46 51.403	0.0000	14	-62 42 19.96	-0.027	11	0.61	51.403	19	05.4	18.67	18	01.7	A0	GC	25792	P -62 5979
88	9.9	9.7W	46 52.989	0.0015	12	-61 23 51.13	-0.009	12	0.15	52.984	14	45.7	51.09	14	45.7	A2	CD	5703	P -61 6259
89	8.4	8.5W	47 1.038	-0.0024	07	-63 53 37.75	-0.044	07	0.14	1.049	14	45.7	37.56	14	45.7	A2	CD	5704	P -63 4453
90		7.4T	47 3.420	0.0041	13	-60 57 16.73	-0.023	11	0.58	3.239	19	06.1	15.65	18	02.8	F0	GC	25804	P -61 6260
91		8.3	47 21.989	-0.0029	25	-69 58 21.06	-0.047	36	1.60	22.130	53	01.7	18.77	63	01.7		M4	4042	P -70 2587
92	10.3	10.2W	47 23.848	0.0101	12	-61 16 16.62	-0.007	12	0.15	23.804	14	45.7	16.59	14	45.7	F2 ○	CD	5706	P -61 6261
93		4.4H	47 35.414	0.0000	03	-62 14 51.43	-0.018	02	0.11	35.412	06	13.1	50.81	06	14.9	B2	F4	704	P -62 5983
94	9.0	9.0W	47 35.447	0.0075	07	-61 9 58.98	-0.019	07	0.14	35.414	14	45.7	58.89	14	45.7	F5	CD	5707	P -61 6263
95	11.1	9.6W	47 46.045	0.0025	08	-61 9 51.72	0.017	08	0.14	46.034	14	45.7	51.79	14	45.7	M2 ○	CD	5709	P -61 6264
96	9.0	8.8W	47 53.011	0.0038	06	-61 14 12.46	0.031	06	0.14	52.994	14	45.7	12.59	14	45.7	F8	CD	5711	P -61 6266
97	10.1		47 56.634	-0.0004	14	-60 15 19.08	0.025	14	0.15	56.635	14	45.7	19.19	14	45.7	A2 ○	CD	5712	P -60 7184
98	9.8		47 59.663	0.0055	15	-63 47 2.30	0.037	15	0.16	59.639	14	45.7	2.45	14	45.7	A3	CD	5713	P -63 4456
99		8.1T	48 10.960	0.0012	13	-60 17 0.71	0.003	11	0.60	10.904	21	05.0	0.86	19	02.8	A0	GC	25845	P -60 7185
00		8.0	48 14.295	0.0101	33	-69 53 28.19	0.022	43	2.27	13.726	75	93.6	29.41	57	93.6		M3	2384	

254400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 18H DM NUMBER
1		8.4	18 48 18.060	-0.0009	25	-68 51 35.27	0.033	36	1.42	18.098	53	08.0	36.64	63	08.0		M4	4045	P -68 3170
2		8.8	48 21.986	0.0011	25	-67 44 1.62	-0.002	36	1.47	21.939	45	05.2	1.53	53	05.2		M4	4046	P -67 3599
3		8.5	48 32.906	0.0010	25	-64 57 33.52	-0.094	36	1.77	32.852	45	95.7	28.42	63	95.7		M4	4047	P -65 3760
4	9.9	10.0W	49 8.730	-0.0029	13	-61 30 45.64	0.006	13	0.15	8.742	14	45.7	45.67	14	45.7	A0	GC	5716	P -61 6272
5	9.8	8.8W	49 27.712	-0.0005	07	-61 1 35.17	-0.042	07	0.14	27.714	14	45.7	34.99	14	45.7	K0	GC	5717	P -61 6274
6	9.4	7.8W	49 58.754	0.0046	06	-60 41 3.18	0.002	06	0.14	58.734	14	45.7	3.19	14	45.7	K5	GC	5718	P -60 7189
7	10.2	9.7W	50 19.563	-0.0065	09	-63 17 58.72	-0.014	09	0.15	19.591	14	45.7	58.66	14	45.7	G0	GC	5719	P -63 4458
8	9.6	9.6W	50 59.693	0.0025	13	-62 10 51.49	0.043	13	0.15	59.682	14	45.7	51.67	14	45.7	A0	GC	5721	P -62 5994
9		8.2	51 17.761	0.0001	25	-67 44 4.92	0.009	36	1.78	17.758	53	95.7	5.41	63	95.7		M4	4055	P -67 3602
10	10.6	9.4W	51 23.853	0.0041	09	-60 28 4.09	0.001	09	0.15	23.835	14	45.7	4.09	14	45.7	G9	GC	5722	P -60 7196
11		7.6	51 44.234	0.0070	25	-65 32 32.20	-0.097	36	1.40	43.931	36	06.6	27.97	45	06.6		M4	4058	P -65 3761
12		7.2T	51 47.888	0.0034	11	-61 53 4.69	0.029	12	0.53	47.737	18	06.0	6.00	18	05.1	F2	GC	25929K	P+ -61 6282
13		4.2I	51 48.301	0.0000	06	-67 17 57.08	0.013	05	0.28	48.300	10	04.7	57.74	10	00.6	F5P	GC	25930V	P+ -67 3603
14		7.6T	52 14.180	0.0153	13	-66 23 50.42	-0.061	12	0.65	13.447	21	02.1	47.32	19	98.7	F0	GC	25943	P -66 3401
15		6.5T	52 14.371	0.0012	13	-62 52 2.27	0.034	11	0.62	14.314	21	05.3	3.93	21	01.6	K0	GC	25944	P -62 6002
16	9.8	9.6W	52 20.496	0.0028	06	-60 34 52.87	0.004	06	0.14	20.484	14	45.7	52.89	14	45.7	F2	GC	5725	P -60 7201
17		8.8	52 32.926	0.0051	25	-69 32 34.32	-0.057	36	1.38	32.721	53	09.7	32.01	63	09.7		M4	4060	P -69 2948
18	8.9	9.2W	52 37.270	0.0020	07	-63 28 43.50	-0.010	07	0.14	37.261	14	45.7	43.46	14	45.7	A2	GC	5726	P -63 4461
19	10.3	9.8W	52 50.081	0.0058	07	-60 20 43.75	-0.014	07	0.14	50.065	14	45.7	43.69	14	45.7	G2	GC	5727	P -60 7205
20		8.6	53 17.515	0.0030	25	-65 58 19.48	0.005	36	1.52	17.380	53	04.7	19.73	63	04.7		M4	4064	P -66 3402
21	10.3	10.1W	53 32.426	0.0070	13	-60 13 5.05	-0.014	13	0.15	32.395	14	45.7	4.99	14	45.7	F2	GC	5728	P -60 7207
22		6.9T	53 40.955	0.0096	10	-64 4 4.89	-0.073	07	0.49	40.461	19	98.5	0.76	17	93.5	K0	GC	25988	P -64 3967
23		5.1T	54 10.179	-0.0163	07	-60 16 7.74	0.035	06	0.27	10.804	10	11.6	9.18	10	09.2	K0	GC	26008	P+ -60 7213
24		9.0	54 54.384	0.0011	25	-68 38 24.12	-0.001	36	1.75	54.327	53	96.7	24.05	63	96.7		M4	4067	P -68 3174
25	10.3	9.3W	54 59.179	0.0062	12	-61 35 52.34	0.007	12	0.15	59.152	14	45.7	52.37	14	45.7	G6	GC	5732	P+ -61 6289
26		6.1T	54 59.446	0.0020	12	-66 43 19.33	-0.039	09	0.60	59.344	18	98.7	17.13	17	93.2	K0	GC	26023	P -66 3404
27	11.3	10.2W	55 12.603	0.0026	12	-61 36 57.38	0.020	12	0.15	12.592	14	45.7	57.47	14	45.7	G5	GC	5733	P -61 6290
28	10.1	9.7W	55 15.196	0.0075	12	-60 55 56.63	-0.009	12	0.15	15.164	14	45.7	56.59	14	45.7	F6	GC	5734	P -61 6291
29	8.3	8.5W	55 18.749	-0.0004	07	-62 38 53.70	0.014	07	0.14	18.751	14	45.7	53.76	14	45.7	A0	GC	5735	P -62 6009
30	10.4	9.1W	55 25.687	0.0049	13	-60 19 22.09	-0.022	13	0.15	25.666	14	45.7	21.99	14	45.7	K2	GC	5736	P -60 7217
31	9.2	8.9W	55 35.380	-0.0025	15	-63 4 20.12	-0.036	15	0.16	35.391	14	45.7	19.96	14	45.7	F8	GC	5737	P -63 4463
32	10.3	10.0W	55 41.988	0.0032	11	-61 20 38.52	-0.007	11	0.15	41.974	14	45.7	38.49	14	45.7	F2	GC	5738	P -61 6293
33		6.9T	55 44.932	0.0017	14	-60 16 23.84	-0.011	10	0.62	44.854	21	04.8	23.29	18	99.3	+++	GC	26045	P+ -60 7218
34	9.9	9.6W	55 46.467	0.0049	07	-60 18 49.17	0.005	07	0.14	46.445	14	45.7	49.19	14	45.7	F	GC	5741	P -60 7219
35		8.4	56 22.903	0.0100	25	-67 17 35.11	-0.040	36	1.52	22.429	31	02.7	33.21	45	02.2		M4	4075	P -67 3609
36		6.9T	56 24.913	0.0040	13	-62 56 8.62	0.008	11	0.56	24.745	18	08.1	9.01	18	02.6	K2	GC	26061	P -63 4465
37		8.5	56 28.744	-0.0009	25	-69 32 12.81	-0.030	36	1.52	28.786	53	04.7	11.43	63	04.7		M4	4073	P -69 2952
38	9.7	8.8W	56 39.420	-0.0002	07	-63 25 13.22	-0.036	07	0.14	39.421	14	45.7	13.06	14	45.7	G5	GC	5744	P -63 4466
39	10.5	9.6W	56 45.613	0.0040	07	-60 17 29.47	0.006	07	0.14	45.595	14	45.7	29.49	14	45.7	G5	GC	5746	P -60 7229
40	10.0	10.0W	56 57.718	0.0059	11	-61 40 27.12	0.013	11	0.15	57.692	14	45.7	27.17	14	45.7	A0	GC	5747	P -61 6299
41	9.5	9.5W	56 59.160	0.0042	12	-61 50 40.91	-0.034	12	0.15	59.142	14	45.7	40.77	14	45.7	A0	GC	5748	P -61 6298
42	9.9	10.0W	57 22.239	0.0015	15	-61 57 43.22	0.013	15	0.16	22.232	14	45.7	43.27	14	45.7	A0	GC	5749	P -62 6016
43	10.0	9.6W	57 29.726	-0.0035	14	-62 50 19.56	0.001	14	0.15	29.741	14	45.7	19.56	14	45.7	G0	GC	5750	P -62 6017
44	10.4	9.6W	57 41.153	-0.0003	13	-61 27 24.01	-0.004	13	0.15	41.154	14	45.7	23.99	14	45.7	G6	GC	5751	P -61 6302
45		8.0I	57 47.307	-0.0378	17	-64 59 37.46	-0.248	12	0.67	48.903	21	07.8	26.25	19	04.7	G5	GC	26104	P+ -65 3763
46		5.9T	58 9.886	-0.0009	13	-68 49 41.78	-0.002	09	0.62	9.932	21	00.0	41.65	18	94.8	G0	GC	26117	P -68 3180
47		7.3T	58 23.245	-0.0006	15	-62 58 24.14	0.014	12	0.68	23.272	21	03.7	24.85	19	99.8	G5	GC	26120	P -63 4467
48	9.6	8.7W	58 25.652	0.0018	10	-61 20 19.36	0.007	10	0.15	25.644	14	45.7	19.39	14	45.7	K0	GC	5754	P -61 6303
49	8.9	8.6W	58 38.429	0.0012	07	-61 11 14.98	0.025	07	0.14	38.424	14	45.7	15.09	14	45.7	F2	GC	5755	P -61 6305
50		8.9	58 51.129	0.0130	33	-65 57 41.55	-0.059	43	2.30	50.385	75	92.6	38.14	57	92.6		M3	2406	
51	9.1	9.2W	18 58 55.038	0.0011	15	-62 23 49.06	0.026	15	0.16	55.033	14	45.7	49.17	14	45.7	A0	GC	5757	P -62 6019
52	8.6	8.4W	58 55.754	0.0030	07	-62 42 0.51	-0.104	07	0.14	55.741	14	45.7	0.06	14	45.7	F5	GC	5758	P -62 6018
53		7.3T	59 20.948	-0.0007	11	-63 51 30.50	-0.014	08	0.54	20.984	19	99.7	29.73	18	92.7	A0	GC	26154K	P+ -63 4469
54	10.4	9.4W	59 23.765	-0.0068	09	-61 6 1.33	0.015	09	0.15	23.794	14	45.7	1.39	14	45.7	G6	GC	5761	P -61 6310
55	9.9	8.7W	19 0 28.680	-0.0048	06	-63 25 48.16	-0.024	06	0.14	28.701	14	45.7	48.06	14	45.7	G5	GC	5764	P -63 4471
56	8.5	7.7W	0 32.350	0.0019	06	-61 34 56.95	-0.020	06	0.14	32.342	14	45.7	56.87	14	45.7	G5	GC	5765	P -61 6315
57	8.6	8.3W	0 46.957	0.0150	07	-61 46 0.88	0.090	07	0.14	46.892	14	45.7	1.27	14	45.7	G0	GC	5766	P -61 6318
58		8.3	0 49.098	-0.0009	33	-69 54 21.70	-0.008	43	2.26	49.150	75	93.7	21.23	57	93.7		M3	2408	
59	10.0	9.6W	1 5.232	0.0041	11	-60 47 42.34	-0.127	11	0.15	5.214	14	45.7	41.79	14	45.7	G3	GC	5768	P -60 7251
60		7.5T	1 13.599	0.0020	12	-63 49 14.83	-0.026	08	0.56	13.502	21	01.0	13.36	18	93.5	A0	GC	26211	P -63 4472
61	8.7	7.9W	1 20.035	0.0011	07	-63 5 26.93	-0.016	07	0.14	20.031	14	45.7	26.86	14	45.7	G5	GC	5770	P -63 4473
62	10.5	8.9W	1 32.551	0.0013	09	-60 11 8.17	0.006	09	0.15	32.545	14	45.7	8.19	14	45.7	K2	GC	5771	P -60 7253
63	10.1	9.3W	2 10.086	0.0012	07	-63 29 16.74	-0.019	07	0.14	10.081	14	45.7	16.66	14	45.7	K0	GC	5772	P -63 4477
64	10.2	10.0W	2 17.141	0.0020	09	-61 32 11.28	-0.003	09	0.15	17.132	14	45.7	11.27	14	45.7	F5	GC	5774	P -61 6325
65		7.9	2 27.357	0.0071	25	-68 57 40.14	-0.028	36	1.43	27.057	53	07.7	38.94	63	07.7		M4	4096	P -69 2957
66		8.2T	2 44.565	-0.0022	11	-62 13 30.98	0.031	10	0.58	44.679	19	97.8	32.69	18	95.2	F5	GC	26256	P -62 6033
67	8.9	8.9W	2 48.989	0.0019	07	-62 33 46.04	-0.018	07	0.14	48.981	14	45.7	45.96	14	45.7	A5	GC	5777	P -62 6034
68		9.1	2 52.471	0.0001	33	-69 53 8.48	0.036	43	2.30	52.466	75	92.7	10.52	57	92.7		M3	2415	
69			3 19.529	0.0050	25	-66 29 4.91	-0.001	36	1.81	19.251	53	94.7	4.86	63	94.7		M4	4099V	P+ -66 3411
70	10.4	10.1W	3 29.820	0.0014	13	-60 42 8.08	-0.019	13	0.15	29.814	14	45.7	7.99	14	45.7	G0	GC	5782	P -60 7260
71		7.5T	4 2.443	0.0028	13	-65 36 44.36	-0.068	11	0.61	2.315	19	03.7	41.06	18	01.1	F0	GC	26301	P -65 3770
72		8.0	4 13.208	-0.0009	25	-67 37 13.93	-0.039	36	1.38	13.246	53	09.6	12.36	63	09.6		M4	4101	P -67 3614
73	8.5	8.9W	4 14.484	0.0023	07	-60 34 14.67	-0.019	07	0.14	14.474	14	45.7	14.59	14	45.7	A0	GC	5784	P -60 7266
74	10.0	8.9W	4 23.602	0.0022	07	-61 46 54.37	-0.024	07	0.14	23.592	14	45.7	54.27	14	45.7	K0	GC	5785	P -61 6337
75		5.3T	4 35.532	0.0281	06	-68 30 16.14	-0.053	06	0.27	34.329	10	07.1	13.75	12	05.2	K0	GC	26313	P+ -68 3185
76	10.0	8.9W	5 6.473	0.0024	07	-61 47 14.73	-0.013	07	0.14	6.462	14	45.7	14.67	14	45.7	G5	GC	5787	P -61 6339
77		8.7	5 37.893	-0.0069	25	-69 18 1.25	-0.035	36	1.78	38.267	53	95.7	-59.33	63	95.7		M4	4106	P -69 2960
78		8.7T	5 38.285	-0.0020	13	-61 47 52.92	0.009	11	0.61	38.377	19	03.6	53.39	18	99.3	F5	GC	26345	P -61 6340
79		8.4	5 57.787	-0.0070	25	-65 4 19.89	-0.073	36	1.85	58.174	53	94.7	15.86	75	94.7		M4	4110	P -65 3774
80	10.5	9.4W	6 7.343	-0.0022	09	-62 5 2.34	0.007	09	0.15	7.352	14	45.7	2.37	14	45.7	G5	GC	5789	P -62 6044
81	10.2	10.1W	6 10.217	0.0075	12	-61 26 57.65	-0.037	12	0.15	10.184	14	45.7	57.49	14	45.7	F0	GC	5790	P -61 6342
82		7.7Q	6 13.245	-0.0001	12	-60 7 39.87	-0.032	10	0.56	13.248	18	04.1	38.35	17	02.1	B9	GC	26366K	P+ -60 7269
83	10.4	10.0W	6 15.919	0.0069	15	-63 40 11.10	-0.032	15	0.16	15.889	14	45.7	10.95	14	45.7	G2	GC	5792	P -63 4486
84		8.5	6 22.221	-0.0064	25	-64 22 24.84	-0.020	36	1.43	22.492	53	07.7	23.99	63	07.7		M4	4112	P -64 3976
85		7.2T	6 28.034	0.0031	10	-65 57 34.21	-0.005	09	0.53	27.879	21	99.5	33.93	18	98.4	A2	GC	26376	P -66 3413
86	8.8	8.3W	6 32.086	0.0023	06	-60 21 10.54	-0.103	06	0.14	32.076	14	45.7	10.09	14	45.7	G0	GC	5793	P -60 7272
87	9.9	8.4W	6 38.743	-0.0022	07	-62 1 55.74	-0.017	07	0.14	38.752	14	45.7	55.67	14	45.7	K2	GC	5794	P -62 6046
88	9.6	9.3W	6 51.221	0.0039	13	-60 55 1.23	-0.031	13	0.15	51.204	14	45.7	1.09	14	45.7	F0	GC	5795	P -61 6346
89		8.9	7 10.874	-0.0039	25	-68 0 47.27	-0.053	36	1.81	11.092	53	94.7	44.34	63	94.7		M4	4113	P -68 3189
90		9.0T	7 47.798	0.0038	15	-67 10 0.89	-0.019	17	0.79	47.615	21	01.9	0.01	22	03.0	F0	GC	26406	P -67 3617
91		8.5	7 51.447	-0.0019	25	-67 40 29.64	-0.027	36	1.38	51.526	53	09.4	28.55	63	09.4		M4	4116	P -67 3616
92	10.3	9.3W	8 7.090	0.0049	15	-63 38 55.20	-0.033	15	0.16	7.069	14	45.7	55.06	14	45.7	G6	GC	5798	P -63 4488
93	8.0	8.1W	8 29.086	0.0016	06	-63 57 42.78	0.018	06	0.14	29.079	14	45.7	42.85	14	45.7	A2	GC	5799	P -64 3979
94		9.8T	8 36.453	-0.0014	16	-67 16 2.07	-0.015	18	0.82	36.517	24	03.8	1.40	24	04.4	K2	GC	26421	P -67 3618
95	10.1	8.7W	8 38.796	0.0005	09	-60 56 1.53	-0.009	09	0.15	38.794	14	45.7	1.49	14	45.7	K5	GC	5801	P -61 6350
96		6.7T	8 55.274	-0.0057	10	-63 0 24.57	-0.076	09	0.49	55.544	18	02.5	20.86	17	01.0	K0	GC	26432	P -63 4489
97		7.4T	9 3.835	0.0004	11	-67 32 21.15	-0.048	10	0.61	3.811	21	96.4	18.43	19	93.3	A2	GC	26434	P -67 3621
98	9.5	8.6W	9 8.073	0.0005	07	-62 39 55.65	-0.043	07	0.14	8.071	14	45.7	55.47	14	45.7	G5	GC	5803	P -62 6049
99	9.6	9.2W	9 10.665	-0.0068	07	-60 54 22.95	0.009	07	0.14	10.694	14	45.7	22.99	14	45.7	G0	GC	5804	P -61 6353
00	10.1	9.7W	9 18.497	0.0014	12	-63 12 29.87	0.045	12	0.15	18.491	14	45.7	30.06	14	45.7	G0	GC	5805	P -63 4491

254500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-60° 19H DM NUMBER
1	10.1	9.1W	19 9 24.852	0.0007	07	-63 49 59.28	-0.007	07	0.14	24.849	14	45.7	59.25	14	45.7	G5		CO	5806	P -63 4492
2	9.1	9.0W	9 44.381	0.0012	11	-60 0 59.14	0.035	11	0.15	44.375	14	45.7	59.29	14	45.7	F0		CO	6140	P -60 7277
3	10.1	9.1W	9 47.483	0.0034	06	-63 32 41.48	-0.006	06	0.14	47.469	14	45.7	41.45	14	45.7	G5		CO	5808	P -63 4493
4	8.7	8.5W	9 56.936	0.0007	07	-62 18 56.62	0.034	07	0.14	56.933	14	45.7	56.77	14	45.7	F8		CO	5809	P -62 6051
5	10.4	10.1W	10 33.419	-0.0051	15	-63 7 19.43	-0.015	15	0.16	33.441	14	45.7	19.36	14	45.7	F		CO	5811	P -63 4496
6	9.4	8.5W	10 35.198	0.0014	07	-61 31 38.88	-0.002	07	0.14	35.192	14	45.7	38.87	14	45.7	G5		CO	5812	P -61 6356
7	9.7	9.4W	10 37.626	0.0015	07	-63 59 26.64	-0.020	07	0.14	37.619	14	45.7	26.55	14	45.7	A5		CO	5813	P -64 3982
8		6.5T	11 7.597	0.0018	06	-69 16 42.31	-0.023	06	0.32	7.511	12	02.0	41.14	12	00.1	A3		GC	26487	P -69 2962
9	9.2	8.1W	11 30.424	-0.0021	07	-62 28 51.60	-0.008	07	0.14	30.433	14	45.7	51.57	14	45.7	K0		CO	5815	P -62 6057
10	10.2	10.1W	11 32.488	0.0020	11	-64 14 13.78	-0.007	11	0.15	32.479	14	45.7	13.75	14	45.7	F0	O	CO	5816	P -64 3984
11	10.2	9.9W	11 51.625	0.0030	15	-62 5 17.67	0.047	15	0.16	51.612	14	45.7	17.87	14	45.7	F5		CO	5818	P -62 6058
12		7.1	11 53.681	0.0040	25	-67 15 17.69	-0.008	36	1.43	53.511	53	07.7	17.36	63	07.7			M4	4130	P -67 3626
13	9.3	8.2W	11 53.906	0.0058	06	-63 17 57.55	-0.044	06	0.14	53.881	14	45.7	57.36	14	45.7	K0		CO	5819	P -63 4498
14		6.7T	12 9.382	0.0015	10	-65 18 59.43	-0.030	08	0.52	9.301	18	96.0	57.69	17	91.6	B9		GC	26511	P -65 3783
15		5.6M	12 11.198	0.0011	06	-66 45 1.43	-0.020	07	0.31	11.149	08	04.3	0.48	08	03.1	A2	J	F3	721D	*
16		8.5	12 21.326	0.0071	25	-69 32 26.06	-0.055	36	1.39	21.039	53	09.3	23.81	63	09.3			M4	4131	P -69 2963
17		7.3T	12 36.908	0.0007	12	-61 54 9.33	-0.064	08	0.54	36.873	21	01.8	6.43	18	96.1	F0		GC	26522	P -62 6059
18		8.9	12 44.771	0.0070	25	-66 4 19.74	-0.032	36	1.49	44.461	53	05.6	18.34	63	05.6			M4	4133	P -66 3418
19	9.8	9.9W	13 24.616	0.0051	06	-61 23 20.77	-0.017	06	0.14	24.594	14	45.7	20.69	14	45.7	A0		CO	5823	P -61 6360
20	10.6	9.5W	13 30.935	0.0010	15	-62 50 38.91	-0.011	15	0.16	30.931	14	45.7	38.86	14	45.7	F2	O	CO	5824	P -62 6063
21		8.7	13 57.675	-0.0049	25	-69 29 1.72	0.017	36	1.72	57.930	53	97.6	2.59	63	97.6			M4	4136	P -69 2967
22	9.9	8.9W	14 9.646	0.0119	06	-61 26 3.36	-0.016	06	0.14	9.594	14	45.7	3.29	14	45.7	K0		CO	5825	P -61 6361
23	10.1	9.8W	14 40.113	0.0020	07	-61 4 13.89	0.046	07	0.14	40.104	14	45.7	14.09	14	45.7	F5		CO	5826	P -61 6362
24	10.4	10.1W	14 44.176	0.0036	14	-62 42 46.28	0.043	14	0.15	44.160	14	45.7	46.46	14	45.7	F8	O	CO	5827	P -62 6065
25	9.4	8.2W	14 44.586	-0.0010	06	-62 58 1.29	-0.007	06	0.14	44.591	14	45.7	1.26	14	45.7	K2		CO	5828	P -63 4504
26	9.1	9.0W	14 45.503	0.0006	11	-62 48 2.21	-0.035	11	0.15	45.501	14	45.7	2.06	14	45.7	F8		CO	5829	P -62 6066
27		8.4T	14 49.088	0.0090	12	-69 58 11.02	-0.065	11	0.67	48.626	21	98.5	7.38	19	94.3	F8		GC	26592	P -70 2608
28	10.2	10.0W	14 49.552	0.0004	15	-62 43 54.52	-0.059	15	0.16	49.551	14	45.7	54.26	14	45.7	F0	O	CO	5830	P -62 6067
29	9.1	9.0W	14 55.984	-0.0001	07	-60 56 30.69	0.023	07	0.14	55.984	14	45.7	30.79	14	45.7	F5		CO	5831	P -61 6364
30	8.5	8.0W	15 10.222	0.0027	06	-62 59 17.29	-0.099	06	0.14	10.211	14	45.7	16.86	14	45.7	G5		CO	5832	P -63 4506
31		8.7T	15 12.659	0.0007	13	-69 57 43.72	0.001	12	0.68	12.624	21	99.1	43.76	19	95.4	F0		GC	26597	P -70 2613
32	10.1	10.0W	15 14.212	0.0073	15	-62 51 53.25	0.003	15	0.16	14.181	14	45.7	53.26	14	45.7	F8		CO	5833	P -62 6068
33	10.1	9.9W	15 26.744	-0.0003	07	-60 6 44.00	0.021	07	0.14	26.745	14	45.7	44.09	14	45.7	A3		CO	5835	P -60 7282
34	10.4	10.2W	15 28.771	-0.0033	13	-60 16 37.83	0.015	13	0.15	28.785	14	45.7	37.89	14	45.7	F8		CO	5837	P -60 7283
35	8.5	8.6W	15 32.587	-0.0008	07	-63 16 34.48	-0.003	07	0.14	32.591	14	45.7	34.46	14	45.7	A2		CO	5838	P -63 4507
36	10.1	9.1W	15 39.308	0.0021	07	-63 34 16.35	0.002	07	0.14	39.299	14	45.7	16.35	14	45.7	K0		CO	5839	P -63 4508
37	10.0	9.7W	15 44.315	0.0009	13	-63 12 4.68	-0.005	13	0.15	44.311	14	45.7	4.66	14	45.7	G		CO	5840	P -63 4509
38	10.4	10.2W	16 4.825	0.0027	09	-60 52 1.04	-0.035	09	0.15	4.814	14	45.7	0.89	14	45.7	F8		CO	5841	P -60 7284
39	9.7	9.6W	16 21.610	0.0002	12	-63 57 33.01	-0.013	12	0.15	21.609	14	45.7	32.95	14	45.7	F0		CO	5844	P -64 3985
40		8.6	16 36.877	0.0010	25	-66 49 10.77	-0.108	36	1.78	36.823	53	95.7	4.92	63	95.7			M4	4142	P -66 3422
41	10.1	8.7W	16 45.484	0.0023	09	-61 11 38.10	-0.001	09	0.15	45.474	14	45.7	38.09	14	45.7	K2		CO	5845	P -61 6367
42	9.9	8.9W	16 58.407	0.0007	07	-60 58 34.83	0.014	07	0.14	58.404	14	45.7	34.89	14	45.7	K0		CO	5846	P -61 6368
43	9.0	8.0W	17 12.949	0.0042	06	-63 13 41.94	-0.019	06	0.14	12.931	14	45.7	41.86	14	45.7	G5		CO	5847	P -63 4510
44		9.0T	17 53.382	-0.0052	18	-66 14 32.76	-0.348	22	0.93	53.615	21	05.3	17.32	21	05.7	K0		GC	26671	P -66 3427
45		7.5	18 10.906	-0.0019	25	-69 30 17.77	0.068	36	1.65	11.003	53	00.0	21.15	63	00.0			M4	4145	P -69 2983
46	10.2	8.8W	18 23.878	0.0013	15	-61 55 10.55	0.004	15	0.16	23.872	14	45.7	10.57	14	45.7	K5		CO	5850	P -62 6074
47		7.4T	18 30.799	0.0013	12	-65 40 30.39	-0.027	10	0.56	30.738	18	02.1	29.07	17	00.2	B9		GC	26683	P -65 3790
48	10.1	9.9W	18 33.751	0.0048	11	-62 55 5.88	-0.005	11	0.15	33.681	14	45.7	5.86	14	45.7	A2		CO	5851	P -63 4512
49	10.0	8.9W	18 47.479	0.0043	11	-62 42 9.29	-0.029	11	0.15	47.461	14	45.7	9.16	14	45.7	K0		CO	5854	P -62 6077
50	10.0	8.8W	18 50.464	0.0009	11	-62 44 33.73	-0.016	11	0.15	50.461	14	45.7	33.66	14	45.7	K0		CO	5855	P -62 6078
51		6.5T	19 18 53.503	-0.0030	07	-68 28 4.72	-0.002	06	0.30	53.632	12	07.1	4.63	12	03.1	K0		GC	26698	P -68 3218
52	8.5	8.2W	18 59.114	-0.0109	06	-63 17 12.11	-0.127	06	0.14	59.161	14	45.7	11.56	14	45.7	G5		CO	5856	P -63 4513
53		7.7	19 0.115	0.0031	25	-69 14 21.62	0.021	36	1.81	-59.944	53	94.7	22.77	63	94.7			M4	4149	P -69 2988
54		8.0T	19 1.192	0.0027	12	-68 21 20.84	-0.019	12	0.63	1.062	21	01.5	19.92	21	01.2	B9		GC	26702	P -68 3219
55	10.3	9.4W	19 18.227	0.0153	13	-62 57 44.99	-0.470	13	0.15	18.161	14	45.7	42.96	14	45.7	K0		CO	5859	P -63 4514
56		8.5T	19 19.514	-0.0015	22	-63 3 47.80	-0.022	17	0.85	19.575	22	08.8	46.90	21	08.3	K0		GC	26707	P -63 4515
57	10.5	8.8W	19 33.833	0.0018	09	-60 4 12.23	-0.009	09	0.15	33.825	14	45.7	12.19	14	45.7	K5		CO	5862	P -60 7288
58		6.7T	19 36.280	-0.0133	09	-63 5 44.89	0.041	09	0.49	36.971	19	98.0	46.98	18	99.3	F5		GC	26717	P -63 4516
59		9.1	19 44.976	0.0000	25	-67 19 27.00	-0.038	36	1.50	44.975	53	05.3	25.31	63	05.3			M4	4152	P -67 3640
60	9.9	8.3W	19 46.790	0.0043	06	-63 27 32.12	-0.013	06	0.14	46.771	14	45.7	32.06	14	45.7	MB		CO	5864	P -63 4518
61		8.8	20 3.401	-0.0040	25	-65 49 39.18	0.006	36	1.81	3.623	53	94.7	39.43	63	94.7			M4	4155	P -65 3794
62	9.6	9.8W	20 5.460	0.0022	07	-62 46 8.45	-0.020	07	0.14	5.451	14	45.7	8.36	14	45.7	A2		CO	5865	P -62 6079
63		8.6	20 13.715	-0.0390	25	-66 34 15.33	0.218	36	1.78	15.833	53	95.7	26.64	63	95.7			M4	4157	P -66 3431
64	10.3	10.2W	20 29.971	0.0048	15	-62 40 9.58	-0.027	15	0.16	29.950	14	45.7	9.46	14	45.7	F0	O	CO	5866	P -62 6080
65	9.9	9.5W	20 31.673	0.0089	07	-61 15 6.22	-0.006	07	0.14	31.634	14	45.7	6.19	14	45.7	F5		CO	5867	P -61 6372
66		8.6	20 50.973	-0.0029	25	-68 5 57.29	0.013	36	1.69	51.123	53	98.7	57.96	63	98.7			M4	4160	P -68 3227
67	10.0	9.8W	21 3.250	0.0059	13	-61 2 23.11	-0.005	13	0.15	3.224	14	45.7	23.09	14	45.7	A2		CO	5868	P -61 6373
68		7.8T	21 10.597	0.0077	12	-62 17 1.11	-0.137	11	0.52	10.270	18	07.7	-54.95	18	05.0	F5		GC	26759K	P*-62 6081
69	9.6	9.3W	21 30.888	0.0010	07	-60 31 33.37	0.006	07	0.14	30.884	14	45.7	33.39	14	45.7	F2		CO	5870	P -60 7291
70		8.1	21 32.659	0.0030	25	-65 17 48.56	-0.058	36	1.64	32.504	36	98.5	48.36	98.4				M4	4164	P -65 3796
71	9.8	8.7W	21 37.692	0.0043	07	-60 47 40.40	-0.003	07	0.14	37.674	14	45.7	40.39	14	45.7	K0		CO	5871	P -60 7292
72	10.2	10.1W	21 39.617	0.0034	07	-62 11 33.56	0.001	07	0.14	39.602	14	45.7	33.57	14	45.7	F2	O	CO	5872	P -62 6083
73		8.0T	21 45.246	0.0108	17	-63 19 47.35	0.002	11	0.68	44.772	21	06.2	47.46	19	02.5	K0		GC	26775	P -63 4520
74	9.9	8.8W	22 5.312	0.0021	13	-62 25 55.44	-0.016	13	0.15	5.303	14	45.7	55.37	14	45.7	K0		CO	5874	P -62 6085
75	10.2	10.0W	22 11.068	0.0032	07	-60 37 3.29	-0.022	07	0.14	11.054	14	45.7	3.19	14	45.7	F2		CO	5875	P -60 7293
76		9.6T	22 16.565	0.0038	13	-66 5 40.74	-0.027	16	0.73	16.384	24	02.3	39.51	24	03.4	K5		GC	26791	P -66 3433
77		8.9T	22 30.808	0.0016	13	-66 13 22.85	-0.029	13	0.69	30.731	21	01.7	21.43	22	00.2	A0		GC	26803	P -66 3434
78		6.8T	22 45.183	-0.0069	12	-69 44 3.25	0.084	12	0.64	45.516	21	01.9	7.56	19	98.5	F8		GC	26813	P -69 3002
79	10.6	9.3W	22 55.009	-0.0027	09	-63 18 58.39	-0.054	09	0.15	55.021	14	45.7	58.16	14	45.7	K5		CO	5877	P -63 4521
80		8.2T	23 17.952	0.0026	12	-60 0 32.00	0.016	11	0.56	17.834	19	05.3	32.74	18	04.5	A2		GC	26822	P*-60 7294
81	10.2	9.4W	23 52.649	0.0065	07	-62 59 31.81	-0.033	07	0.14	52.621	14	45.7	31.66	14	45.7	K0		CO	5882	P -63 4522
82	10.6	9.2W	23 58.195	0.0030	09	-62 27 37.75	0.004	09	0.15	58.183	14	45.7	37.77	14	45.7	K2		CO	5883	P -62 6088
83	10.5	9.4W	24 16.019	0.0008	09	-60 25 28.77	-0.042	09	0.15	16.016	14	45.7	28.59	14	45.7	G5		CO	5884	P -60 7296
84		7.7T	24 42.948	0.0025	15	-67 24 41.27	-0.008	13	0.73	42.827	21	01.9	40.88	19	99.0	K0		GC	26856K	P -67 3646
85	10.3	10.2W	24 43.606	-0.0058	23	-62 55 24.84	-0.018	23	0.17	43.631	14	45.7	24.76	14	45.7	F0	O	CO	5885	P -63 4523
86	9.7	9.1W	24 46.304	0.0055	06	-62 53 29.21	0.013	06	0.14	46.280	14	45.7	29.26	14	45.7	K0		CO	5886	P -63 4524
87	9.1	8.5W	24 49.960	0.0044	06	-62 54 48.53	0.007	06	0.14	49.941	14	45.7	48.56	14	45.7	A3		CO	5887	P -63 4525
88	10.1	9.9W	25 4.196	0.0032	09	-61 40 35.34	-0.017	09	0.15	4.182	14	45.7	35.27	14	45.7	F0		CO	5888	P -61 6378
89		8.5	25 28.805	0.0141	25	-69 4 42.13	0.116	36	1.38	28.237	53	09.7	46.80	63	09.7			M4	4174	P -69 3010
90		6.0T	26 0.009	0.0035	06	-68 32 19.08	-0.010	05	0.27	-59.865	10	08.4	18.61	10	04.8	K5		GC	26891	P -68 3251
91		8.5	26 30.125	-0.0000	25	-66 39 32.45	-0.055	36	1.52	30.126	53	04.7	29.98	63	04.7			M4	4176	P -66 3437
92		7.0T	27 49.611	0.0018	08	-60 22 33.02	-0.031	06	0.38	49.528	15	04.8	31.42	15	98.2	A2		GC	26931K	P*-60 7297
93		8.1	28 57.358	0.0041	25	-68 3 4.75	-0.031	36	1.40	57.190	53	08.7	3.47	63	08.7			M4	4183	P -68 3260
94		7.5T	29 12.085	0.0016	12	-63 9 58.16	-0.051	11	0.57	12.015	19	06.5	55.82	19	03.9	A3		GC	26962	P -63 4527
95		8.5	29 53.303	0.0040	25	-65 8 22.95	-0.003	36	1.81	53.081	53	94.7	22.80	63	94.7			M4	4189	P -65 3806
96	10.6	9.3W	29 58.898	0.0006	07	-60 14 12.61	-0.026	07	0.14	58.895	14	45.7	12.49	14	45.7	K2		CO	5897	P -60 7299
97	8.9	8.0W	30 1.274	0.0018	07	-62 29 29.25	0.011	07	0.14	1.267	14	45.7	29.30	14	45.7	K0		CO	5898	P -62 6089
98	9.7	9.6W	30 1.294	0.0068	13	-63 7 29.95	0.033	13	0.15	1.265	14	45.7	30.10	14	45.7	A2		CO	5899	P -63 4528
99		8.3T	30 1.798	-0.0030	11	-69 12 2.15	-0.184	09	0.59	1.953	19	97.5	-51.37	18	91.5	G0		GC	26993	P -69 3021
00		9.2	30 13.054	0.0042	25	-69 12 15.84	-0.016	36	1.81	12.822	53	94.7	14.95	63	94.7			M4	4188	P -69 3022

254600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 19H DM NUMBER
1			19 30 54.529	0.0032	06	-62 52 7.14	-0.034	06	0.14	54.515	14	45.7	6.99	14	45.7	MB	GC	5902V	F*-63 4530
2		7.6T	31 18.326	0.0043	14	-61 44 27.71	-0.022	10	0.59	18.141	19	06.7	26.67	18	03.0	F5	GC	27021	F -61 6384
3		8.7	31 21.400	0.0052	25	-68 26 8.03	-0.048	36	1.72	21.126	53	97.6	5.50	63	97.6		M4	4193	F -68 3264
4		8.8	31 53.685	0.0031	25	-67 18 21.97	0.004	36	1.65	53.523	45	99.1	22.14	53	99.1		M4	4194	F -67 3656
5	10.7	9.2W	31 57.732	-0.0005	09	-62 41 51.69	0.001	09	0.15	57.735	14	45.7	51.70	14	45.7	MA	GC	5905	F -62 6091
6		8.0T	31 59.027	0.0042	11	-65 52 55.17	-0.069	10	0.56	58.818	18	99.8	51.50	18	96.5	F5	GC	27039	F -66 3441
7	10.2	9.7W	32 1.160	0.0074	12	-60 34 53.98	-0.032	12	0.15	1.128	14	45.7	54.12	14	45.7	G5	GC	5906	F -60 7300
8	10.3	8.9W	32 6.354	0.0014	09	-61 3 4.35	0.016	09	0.15	6.348	14	45.7	4.42	14	45.7	K5	GC	5907	F -61 6385
9		7.6T	33 31.854	-0.0005	14	-64 1 42.68	-0.006	12	0.65	31.878	21	03.9	42.36	19	00.3	K2	GC	27086	F -64 3998
10		7.1T	33 38.425	0.0002	11	-66 1 40.13	-0.004	08	0.55	38.415	19	98.7	39.93	18	96.9	A0	GC	27088	F -66 3442
11	9.0	9.0W	33 39.207	-0.0002	07	-61 2 39.90	-0.019	07	0.14	39.208	14	45.7	39.82	14	45.7	F0	GC	5911	F -61 6388
12	9.6	9.4W	33 40.903	0.0016	13	-61 53 56.74	0.015	13	0.15	40.896	14	45.7	56.80	14	45.7	A2	GC	5912	F -62 6094
13	10.6	9.1W	33 42.111	0.0028	09	-60 18 58.73	-0.001	09	0.15	42.099	14	45.7	58.72	14	45.7	K5	GC	5913	F -60 7302
14		8.9	33 43.256	-0.0009	25	-67 43 57.16	0.005	36	1.45	43.294	45	05.9	57.45	53	05.9		M4	4200	F -67 3659
15	9.3	8.2W	33 49.675	-0.0006	06	-60 31 32.70	0.004	06	0.14	49.677	14	45.7	32.72	14	45.7	K2	GC	5916	F -60 7303
16	10.2	10.0W	34 3.247	0.0025	11	-61 33 55.26	0.009	11	0.15	3.236	14	45.7	55.30	14	45.7	F2	GC	5918	F -61 6389
17		7.1T	34 8.373	0.0093	13	-69 27 6.84	0.013	11	0.67	7.903	21	99.7	7.52	18	95.9	K2	GC	27104	F -69 3034
18	8.5	8.6W	34 13.856	0.0026	06	-63 0 13.59	0.023	06	0.14	13.845	14	45.7	13.69	14	45.7	F0	GC	5919	F -63 4535
19		6.9T	34 16.821	0.0052	11	-69 43 0.82	-0.028	09	0.57	16.545	21	96.9	-59.21	18	93.3	K0	GC	27112	F*-69 3035
20	10.0	9.7W	34 37.809	-0.0000	11	-60 2 41.59	0.031	11	0.15	37.809	14	45.7	41.72	14	45.7	F8	GC	6261	F -60 7304
21		7.2T	34 54.099	0.0028	12	-64 38 58.55	-0.055	10	0.54	53.976	18	96.8	55.94	18	02.6	K0	GC	27129	F*-64 3999
22		6.4T	34 56.557	0.0078	10	-66 47 59.23	-0.046	07	0.41	56.229	14	07.9	57.11	14	03.8	A0	GC	27132K	F -66 3445
23	10.0	9.8W	35 2.399	0.0004	09	-60 57 24.00	0.006	09	0.15	2.398	14	45.7	24.02	14	45.7	F5	GC	5923	F -61 6391
24	9.9	9.5W	35 39.201	0.0038	07	-63 4 48.65	-0.013	07	0.14	39.185	14	45.7	48.59	14	45.7	G0	GC	5924	F -63 4537
25		9.0	36 38.375	-0.0068	25	-65 0 16.94	0.032	36	1.78	38.744	53	95.7	18.68	63	95.7		M4	4211	F -65 3812
26	9.2	8.3W	36 45.828	0.0007	06	-62 56 38.50	0.000	06	0.14	45.825	14	45.7	38.50	14	45.7	K0	GC	5925	F -63 4538
27		6.0T	36 47.797	0.0057	09	-65 58 12.53	-0.064	08	0.49	47.495	18	96.8	8.96	17	93.9	K2	GC	27187	F -66 3447
28	8.3	8.1W	36 57.973	-0.0077	07	-61 56 16.37	0.029	07	0.14	58.006	14	45.7	16.50	14	45.7	F8	GC	5927	F -62 6096
29		8.9	37 25.795	0.0084	25	-68 25 38.04	-0.024	36	1.41	25.429	36	06.3	36.97	45	06.3		M4	4214	F -68 3281
30	10.1	9.5W	37 27.259	0.0060	08	-60 54 28.38	-0.083	08	0.14	27.238	14	45.7	28.02	14	45.7	G5	GC	5928	F -61 6393
31		8.7	38 4.127	0.0063	25	-69 33 23.38	-0.099	36	1.72	3.845	45	96.7	18.09	53	96.7		M4	4220	F -69 3043
32	10.3	9.2W	38 12.695	0.0016	08	-61 27 40.35	-0.007	08	0.14	12.668	14	45.7	40.32	14	45.7	K0	GC	5930	F -61 6396
33		8.5	38 37.834	-0.0008	25	-67 4 46.47	-0.063	36	1.38	37.866	53	98.7	44.01	53	08.7		M4	4222	F -67 3668
34		9.2	38 43.335	0.0133	25	-69 22 58.57	-0.057	36	1.52	42.731	53	04.7	55.97	63	04.7		M4	4221	F -69 3045
35	9.4	9.1W	39 1.677	0.0025	06	-61 44 12.11	-0.026	06	0.14	1.666	14	45.7	12.00	14	45.7	F8	GC	5935	F -61 6400
36		7.7T	39 8.494	-0.0028	13	-66 24 49.87	-0.212	12	0.68	8.632	21	00.9	38.89	19	98.1	G0	GC	27244K	F -66 3450
37	10.2	9.7W	39 43.286	0.0072	09	-62 59 53.04	-0.126	09	0.15	43.255	14	45.7	52.49	14	45.7	G5	GC	5937	F -63 4539
38	10.2	9.6W	39 58.621	0.0054	13	-60 34 14.24	-0.027	13	0.15	58.598	14	45.7	14.12	14	45.7	F8	GC	5938	F -60 7319
39	10.4	8.6W	40 2.142	0.0016	08	-63 5 51.73	-0.009	08	0.14	2.135	14	45.7	51.75	14	45.7	MA	GC	5939	F -63 4540
40		8.9	40 27.880	-0.0028	25	-67 11 54.24	-0.027	36	1.49	28.066	45	04.5	53.02	53	04.5		M4	4229	F -67 3672
41	9.9	8.9W	41 3.869	0.0032	07	-63 9 46.58	0.049	07	0.14	3.855	14	45.7	46.79	14	45.7	G5	GC	5941	F -63 4541
42		8.4	41 7.363	0.0032	25	-67 10 9.65	-0.075	36	1.43	7.227	53	07.7	6.49	63	07.7		M4	4231	F -67 3675
43		9.1	41 22.550	0.0012	25	-66 17 9.58	-0.083	36	1.43	22.499	53	07.7	6.09	63	07.7		M4	4234	F -66 3452
44	9.6	8.6W	41 54.700	-0.0035	06	-62 51 16.42	0.017	06	0.14	54.715	14	45.7	16.49	14	45.7	K2	GC	5947	F -63 4543
45		8.5	42 18.546	0.0022	25	-65 23 54.62	-0.022	36	1.47	18.444	31	03.7	53.61	36	03.7		M4	4237	F -65 3821
46		8.8	42 27.277	-0.0047	25	-68 12 13.71	-0.065	36	1.67	27.515	53	99.4	10.42	63	99.4		M4	4236	F -68 3305
47	9.9	9.4W	42 33.490	0.0031	13	-61 55 7.65	-0.012	13	0.15	33.476	14	45.7	7.60	14	45.7	G5	GC	5950	F -62 6104
48		7.0T	42 36.620	-0.0017	13	-62 34 32.97	-0.052	09	0.61	36.703	21	02.4	30.20	19	96.8	K5	GC	27332	F -62 6103
49	9.4	9.0W	42 46.954	0.0062	09	-60 49 51.55	-0.007	09	0.15	46.928	14	45.7	51.52	14	45.7	F8	GC	5952	F -61 6402
50	9.2	9.0W	43 3.342	-0.0008	06	-63 22 32.99	-0.022	06	0.14	3.345	14	45.7	32.89	14	45.7	F2	GC	5953	F -63 4544
51	9.3	9.0W	19 44 23.383	0.0016	07	-62 21 22.38	-0.065	07	0.14	23.377	14	45.7	22.10	14	45.7	G0	GC	5955	F -62 6106
52	10.4	9.3W	44 26.554	-0.0061	09	-62 15 22.21	-0.003	09	0.15	26.577	14	45.7	22.20	14	45.7	G5	GC	5957	F -62 6107
53	9.3	8.0W	44 29.348	0.0002	13	-60 51 7.03	-0.001	13	0.15	29.348	14	45.7	7.02	14	45.7	K0	GC	5958	F -61 6405
54		7.3T	44 40.479	0.0034	13	-66 6 14.35	-0.028	11	0.66	40.306	21	99.7	12.86	18	96.2	K2	GC	27373	F -66 3455
55		7.5T	44 41.595	0.0069	14	-61 56 19.13	-0.077	12	0.66	41.272	19	03.0	15.22	19	99.4	G0	GC	27374K	F*-62 6108
56		7.4T	44 50.171	0.0036	09	-69 27 51.95	0.004	09	0.52	49.981	19	97.8	52.15	18	95.0	K2	GC	27380	F -69 3054
57	9.9	9.0W	44 57.979	0.0006	07	-61 45 0.75	-0.012	07	0.14	57.976	14	45.7	0.70	14	45.7	G5	GC	5960	F -61 6408
58		6.5T	45 0.045	-0.0004	12	-66 56 20.28	0.017	11	0.64	0.065	22	98.5	21.22	19	95.0	K2	GC	27382	F -67 3680
59		7.2T	45 7.655	0.0037	15	-65 2 1.75	0.092	11	0.65	7.487	21	04.2	6.25	18	01.2	G0	GC	27387K	F*-65 3825
60		8.2	45 21.822	-0.0048	25	-66 42 25.15	-0.081	36	1.77	22.081	53	96.1	20.79	63	96.1		M4	4248	F -66 3456
61	10.4	9.3W	45 23.215	-0.0008	09	-61 29 25.82	-0.000	09	0.15	23.218	14	45.7	25.82	14	45.7	K0	GC	5961	F -61 6410
62	8.0	7.8W	45 27.090	0.0013	06	-62 41 33.65	-0.014	06	0.14	27.085	14	45.7	33.66	14	45.7	F8	GC	5962	F -62 6109
63		8.8T	45 30.271	-0.0010	14	-60 32 14.81	0.022	12	0.70	30.322	22	00.9	15.93	21	98.8	K5	GC	27400	F -60 7332
64	8.3	8.0W	45 48.642	0.0010	07	-61 3 0.89	0.030	07	0.14	48.638	14	45.7	1.02	14	45.7	F5	GC	5964	F -61 6412
65	8.6	8.7W	45 50.254	0.0040	06	-62 29 31.22	-0.004	06	0.14	50.237	14	45.7	31.20	14	45.7	A5	GC	5965	F -62 6112
66		6.4T	45 59.984	0.0001	10	-61 11 16.72	0.002	08	0.50	59.981	19	01.0	16.81	18	96.2	B3	GC	27408	F*-61 6413
67		8.9T	46 2.260	-0.0009	13	-60 31 30.92	-0.001	12	0.62	2.303	21	04.7	30.86	19	02.5	K5	GC	27409	F -60 7334
68	9.0	8.0W	46 6.572	-0.0004	07	-64 4 45.93	0.011	07	0.14	6.573	14	45.7	45.98	14	45.7	G5	GC	5970	F -64 4004
69		6.1T	46 15.218	0.0176	11	-65 43 47.63	-0.155	07	0.48	14.382	19	02.4	39.52	17	97.5	A5	GC	27416	F -65 3827
70	9.7	9.3W	46 28.571	-0.0039	07	-60 51 56.69	0.007	07	0.14	28.588	14	45.7	56.72	14	45.7	F8	GC	5971	F -61 6414
71	10.8	9.4W	47 45.186	-0.0004	09	-60 45 49.39	0.007	09	0.15	45.188	14	45.7	49.42	14	45.7	MA	GC	5976	F -60 7338
72	9.3	7.8W	47 47.727	0.0032	07	-64 5 58.72	-0.007	07	0.14	47.713	14	45.7	58.68	14	45.7	K2	GC	5977	F -64 4007
73	10.4	9.5W	47 56.122	-0.0016	09	-60 17 26.50	0.050	09	0.15	56.129	14	45.7	26.72	14	45.7	K2	GC	5978	F -60 7339
74	10.1	9.9W	48 23.633	0.0055	09	-60 15 13.05	0.016	09	0.15	23.609	14	45.7	13.12	14	45.7	F5	GC	5979	F -60 7340
75		9.1	48 50.788	-0.0017	33	-69 40 19.31	-0.048	43	2.30	50.885	75	92.7	16.54	57	92.7		M3	2525	
76	9.8	9.7W	48 57.344	0.0081	09	-60 23 30.55	-0.030	09	0.15	57.309	14	45.7	30.42	14	45.7	F0	GC	5980	F -60 7341
77	9.3	8.6W	49 4.013	0.0017	06	-61 37 11.53	0.016	06	0.14	4.006	14	45.7	11.65	14	45.7	G5	GC	5982	F -61 6420
78	10.7	9.2W	49 6.345	0.0016	09	-61 16 46.78	-0.014	09	0.15	6.338	14	45.7	46.72	14	45.7	K2	GC	5983	F -61 6422
79		7.4T	49 10.894	0.0038	15	-63 42 9.09	-0.018	11	0.64	10.727	21	05.6	8.21	19	02.2	F0	GC	27501	F -63 4548
80		8.3	49 32.867	0.0042	25	-67 14 26.95	0.008	36	1.69	32.651	53	98.7	27.38	63	98.7		M4	4256	F -67 3685
81		8.5	49 39.892	0.0044	25	-68 23 24.09	-0.020	36	1.43	39.708	53	07.7	23.23	63	07.7		M4	4255	F -68 3323
82		8.4	49 51.542	-0.0137	25	-69 5 11.55	-0.049	36	1.63	52.216	53	00.7	9.11	63	00.7		M4	4257	F -69 3062
83		6.3H	50 19.396	0.0012	04	-61 18 8.02	0.011	03	0.13	19.358	07	18.1	8.36	06	18.1	A3	F4	1518	F -61 6426
84	9.7	8.2W	51 4.736	-0.0020	07	-63 8 45.51	-0.026	07	0.14	4.745	14	45.7	45.40	14	45.7	MA	GC	5991	F -63 4549
85	10.0	9.0W	51 15.198	0.0080	07	-64 6 58.41	-0.007	07	0.14	15.163	14	45.7	58.38	14	45.7	K0	GC	5992	F -64 4012
86		8.8	51 58.603	0.0022	33	-65 39 57.56	-0.004	43	2.30	58.479	75	92.7	57.36	57	92.7		M3	2533	
87	9.5	9.4W	51 59.249	0.0009	07	-63 9 39.98	0.003	07	0.14	59.245	14	45.7	39.99	14	45.7	F5	GC	5993	F -63 4551
88	9.5	8.0W	52 18.336	0.0053	06	-63 36 23.48	-0.045	06	0.14	18.313	14	45.7	23.28	14	45.7	K5	GC	5995	F -63 4552
89	10.0	9.1W	52 18.788	0.0046	07	-61 3 29.93	-0.025	07	0.14	18.768	14	45.7	29.82	14	45.7	K0	GC	5996	F -61 6430
90	10.2	10.2W	52 39.733	0.0015	15	-62 26 54.74	0.014	15	0.16	39.727	14	45.7	54.80	14	45.7	F5	GC	5999	F -62 6119
91	9.2	8.5W	52 42.941	0.0035	07	-61 45 27.71	-0.026	07	0.14	42.926	14	45.7	27.60	14	45.7	G5	GC	6000	F -61 6431
92		8.3	52 44.044	0.0013	25	-67 57 40.47	-0.002	36	1.69	43.979	53	98.7	40.37	63	98.7		M4	4262	F -68 3335
93		5.8T	53 32.922	0.0157	08	-69 17 51.75	-0.100	06	0.31	32.288	12	09.7	47.28	12	05.4	A3	GC	27594	F -69 3072
94		8.3	53 39.130	0.0023	25	-67 26 30.07	-0.000	36	1.49	39.027	53	05.7	30.07	63	05.7		M4	4268	F -67 3692
95	9.8	8.1W	53 43.320	0.0028	09	-60 43 28.11	0.002	09	0.15	43.308	14	45.7	28.12	14	45.7	MA	GC	6002	F -60 7348
96		6.5T	53 48.115	0.0079	10	-68 53 48.54	-0.066	11	0.60	47.696	19	97.0	44.99	19	96.4	A2	GC	27603	F -69 3073
97		8.0T	54 3.304	0.0051	14	-63 15 47.90	-0.025	12	0.65	3.068	21	03.5	46.66	19	00.9	A0	GC	27612	F -63 4555
98	10.9	9.9W	54 22.511	0.0153	09	-63 12 53.33	0.014	09	0.15	22.445	14	45.7	53.39	14	45.7	K2	GC	6005	F -63 4556
99	8.3	8.3W	54 27.857	0.0054	07	-63 55 48.56	0.004	07	0.14	27.833	14	45.7	48.58	14	45.7	F2	GC	6006	F -64 4015
00	9.1	9.5W	54 42.852	-0.0004	07	-64 0 11.04	0.010	07	0.14	42.854	14	45.7	11.08	14	45.7	A5	GC	6008	F -64 4016

254700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 19H DM NUMBER
1	9.7	9.5W	19 55 20.307	-0.0001	09	-61 9 49.43	-0.025	09	0.15	20.308	14	45.7	49.32	14	45.7	F0	CO	6012	F*-61 6437
2		5.7T	55 32.272	-0.0023	07	-67 5 1.32	-0.196	06	0.30	32.367	10	08.3	-52.50	12	04.9	K0	GC	27651	F*-67 3695
3		7.6T	55 40.425	0.0044	12	-60 9 29.13	0.004	11	0.51	40.242	17	08.3	29.30	18	05.8	K2	GC	27654	F -60 7351
4		6.9T	56 21.900	0.0234	14	-64 56 33.02	-0.253	11	0.65	20.805	21	03.3	19.99	18	98.5	F5	GC	27666	F -65 3836
5		7.9	56 42.938	0.0413	25	-69 19 28.47	-0.141	36	1.75	40.737	53	96.7	20.94	63	96.7		M4	4280	F -69 3080
6	9.3		56 45.380	-0.0027	25	-69 9 43.06	-0.004	36	1.45	45.498	45	05.7	42.87	53	05.7		M4	4281	F -69 3081
7		5.2T	57 1.732	0.0066	07	-67 4 54.09	-0.072	06	0.30	1.452	10	07.7	50.81	12	04.2	K0	GC	27687	F*-67 3698
8		7.5T	57 6.752	0.0021	14	-60 52 27.85	-0.006	11	0.63	6.659	21	05.0	27.54	18	00.5	A0	GC	27692	F -61 6440
9	10.0	9.9W	57 14.818	0.0000	13	-61 23 47.02	-0.000	13	0.15	14.818	14	45.7	47.02	14	45.7	F2	CO	6019	F -61 6441
10	9.7	8.7W	57 15.199	-0.0047	07	-60 12 34.15	0.016	07	0.14	15.219	14	45.7	34.22	14	45.7	K0	CO	6020	F -60 7355
11	10.1	9.2W	57 30.572	0.0007	07	-60 21 24.01	0.002	07	0.14	30.569	14	45.7	24.02	14	45.7	K0	CO	6021	F -60 7357
12		8.3	57 35.782	0.0032	25	-66 13 56.18	-0.047	36	1.55	35.635	53	03.7	54.02	63	03.7		M4	4285	F -66 3466
13		8.0T	58 7.324	0.0084	15	-63 29 22.64	-0.056	12	0.68	6.942	21	04.5	19.90	19	01.1	K0	GC	27725	F -63 4559
14	9.3	8.9W	58 12.200	0.0108	12	-63 51 44.47	-0.090	12	0.15	12.153	14	45.7	44.08	14	45.7	G0	CO	6024	F -64 4019
15	9.9	9.8W	58 12.908	0.0055	12	-62 42 59.11	-0.003	12	0.15	12.885	14	45.7	59.09	14	45.7	A5	CO	6025	F -62 6127
16		7.7	58 40.558	0.0112	25	-65 25 49.03	-0.067	36	1.66	39.995	53	99.7	45.67	63	99.7		M4	4288	F -65 3837
17	9.1	8.9W	59 14.448	0.0050	13	-62 23 0.36	0.057	13	0.15	14.427	14	45.7	0.60	14	45.7	F5	CO	6030	F -62 6130
18	10.1	9.8W	59 17.183	0.0086	09	-61 32 1.89	-0.114	09	0.15	17.146	14	45.7	1.40	14	45.7	F8	CO	6031	F -61 6447
19	9.8	9.2W	59 55.575	0.0019	15	-62 27 49.84	0.036	15	0.16	55.567	14	45.7	50.00	14	45.7	G5	CO	6034	F -62 6131
20		8.1T	20 0 13.281	0.0382	17	-65 30 3.73	-0.306	13	0.71	11.577	18	05.4	-49.18	18	02.4	G5	GC	27777	F -65 3839
21		6.0T	0 33.891	0.1470	13	-67 27 13.99	-0.680	09	0.61	26.479	18	99.6	-35.65	17	93.6	G5	GC	27793	F -67 3703
22		7.3T	0 41.393	-0.0004	13	-63 12 10.75	-0.008	10	0.54	41.410	18	08.7	10.37	18	03.4	A2	GC	27795K	F*-63 4561
23	10.7	9.4W	1 4.750	0.0030	07	-62 19 52.29	0.002	07	0.14	4.737	14	45.7	52.30	14	45.7	K5	CO	6039	F -62 6133
24		8.7	1 33.767	-0.0007	25	-68 34 14.43	-0.035	36	1.75	33.805	53	96.7	12.54	63	96.7		M4	4301	F -68 3351
25		7.4T	2 5.930	0.0021	13	-69 41 57.44	-0.036	11	0.65	5.824	21	99.6	55.49	18	96.6	A2	GC	27841	F -69 3090
26		9.0	2 26.058	0.0022	25	-65 22 36.67	-0.070	36	1.48	25.958	45	04.7	33.48	45	04.2		M4	4307	F -65 3841
27	9.0	8.1W	2 33.070	0.0007	07	-60 30 17.28	-0.013	07	0.14	33.068	14	45.7	17.22	14	45.7	K0	CO	6047	F -60 7367
28		8.8	2 37.606	0.0062	25	-66 59 47.58	-0.103	36	1.78	37.324	53	95.7	42.01	63	95.7		M4	4308	F -66 3472
29	8.9	9.3W	3 3.200	0.0013	06	-62 51 55.30	0.000	06	0.14	3.195	14	45.7	55.30	14	45.7	A0	CO	6049	F -63 4562
30	9.8	8.5W	3 5.370	-0.0015	07	-61 37 19.63	-0.008	07	0.14	5.376	14	45.7	19.60	14	45.7	K2	CO	6050	F -61 6453
31		6.3T	3 36.181	-0.0002	11	-66 30 0.38	-0.004	08	0.53	36.193	18	99.1	0.17	15	94.4	K5	GC	27882	F*-66 3473
32	9.4	9.2W	3 49.167	0.0017	07	-60 29 18.17	-0.011	07	0.14	49.159	14	45.7	18.12	14	45.7	F8	CO	6054	F -60 7371
33		3.6H	3 50.451	0.1988	03	-66 18 43.41	-1.141	02	0.11	42.772	05	11.4	0.34	05	12.2	G5	F4	754	F -66 3474
34	9.0	8.7W	4 37.246	-0.0109	06	-60 9 58.51	-0.068	06	0.14	37.199	14	45.7	58.22	14	45.7	F8	CO	6059	F*-60 7374
35	9.7	9.2W	4 50.941	-0.0014	14	-62 18 55.49	-0.068	14	0.15	50.947	14	45.7	55.20	14	45.7	G0	CO	6060	F -62 6142
36		7.7T	5 32.506	-0.0001	13	-63 48 20.89	0.013	11	0.60	32.513	19	05.0	21.51	18	00.2	K5	GC	27933	F -64 4025
37		7.0T	5 41.569	0.0020	13	-63 46 11.73	-0.033	10	0.61	41.478	21	03.3	10.00	19	98.4	A2	GC	27936	F -63 4564
38		8.9	5 53.099	0.0043	33	-67 53 45.68	-0.011	43	2.30	52.854	75	92.7	45.05	57	92.7		M3	2574	
39		8.2	6 24.324	-0.0007	25	-68 46 31.48	-0.015	36	1.75	24.361	53	96.7	30.66	63	96.7		M4	4315	F -68 3358
40	9.8	9.5W	6 33.504	0.0001	07	-63 36 15.06	-0.044	07	0.14	33.503	14	45.8	14.88	14	45.8	F8	CO	6070	F -63 4565
41	8.4	8.2W	6 52.695	0.0171	14	-64 5 21.85	0.055	14	0.15	52.623	14	45.8	22.08	14	45.8	F5	CO	6072	F -64 4029
42		8.8	7 9.633	0.0023	25	-69 12 20.45	0.008	36	1.63	9.518	53	00.7	20.82	63	00.7		M4	4320	F -69 3097
43		9.4T	7 13.092	-0.0022	12	-66 26 30.40	0.012	12	0.63	13.201	21	00.3	31.03	19	00.1	K5	GC	27969	F -66 3475
44	9.4	9.6W	7 18.327	0.0045	09	-61 6 7.54	-0.006	09	0.15	18.308	14	45.8	7.52	14	45.8	A0	CO	6073	F -61 6465
45	9.8	9.8W	7 19.514	0.0025	07	-63 55 38.07	0.002	07	0.14	19.503	14	45.8	38.08	14	45.8	A3	CO	6074	F -64 4031
46		8.2T	7 22.574	-0.0011	16	-63 45 58.24	-0.011	11	0.65	22.624	21	06.0	57.70	19	02.7	A0	GC	27976K	F*-63 4566
47			7 34.184	0.0059	07	-60 5 9.21	-0.021	07	0.14	34.159	14	45.8	9.12	14	45.8	MC	CO	6079V	F*-60 7384
48		8.8	7 41.967	0.0072	25	-67 13 35.18	0.000	36	1.55	41.633	53	03.7	35.19	63	03.7		M4	4322	F -67 3715
49	10.0	9.0W	8 3.921	-0.0081	09	-63 3 22.24	-0.082	09	0.15	3.955	14	45.8	21.89	14	45.8	K0	CO	6081	F -63 4568
50	9.2	8.3W	8 5.288	-0.0014	07	-64 0 7.28	0.000	07	0.14	5.293	14	45.8	7.28	14	45.8	K0	CO	6082	F -64 4032
51	9.1	8.9W	20 8 17.335	-0.0000	07	-63 3 31.72	-0.031	07	0.14	17.335	14	45.8	31.59	14	45.8	F5	CO	6083	F -63 4569
52	9.1	9.1W	8 36.773	0.0032	06	-60 24 5.65	0.018	06	0.14	36.760	14	45.8	5.72	14	45.8	F2	CO	6084	F -60 7387
53		7.2T	9 24.756	0.0012	11	-61 42 3.00	-0.002	07	0.46	24.704	18	05.0	2.89	17	00.1	B9	GC	28031	F -61 6467
54	9.7	9.0W	9 30.252	0.0189	07	-64 0 55.03	-0.107	07	0.14	30.173	14	45.8	54.58	14	45.8	G5	CO	6087	F -64 4034
55		7.0T	9 45.013	-0.0022	14	-62 38 29.79	0.034	10	0.62	45.115	21	04.2	31.47	18	00.3	K0	GC	28038	F -62 6146
56		6.2T	10 1.137	-0.0048	09	-63 34 5.48	0.031	07	0.47	1.394	19	97.0	7.22	17	93.2	F0	GC	28048	F -63 4571
57		7.0T	10 3.592	0.0014	12	-64 34 53.50	-0.034	09	0.56	3.523	21	01.9	51.74	18	98.3	A2	GC	28052K	F -64 4035
58		6.7T	10 5.175	0.0007	15	-62 25 51.92	-0.005	11	0.64	5.144	21	05.6	51.67	19	02.7	S	GC	28053	F -62 6147
59		8.4T	10 33.375	-0.0013	13	-68 35 5.92	-0.028	12	0.66	33.438	21	02.1	4.51	21	00.3	K5	GC	28065	F -68 3362
60	10.0	9.0W	11 5.242	0.0010	07	-60 44 41.89	-0.016	07	0.14	5.238	14	45.8	41.82	14	45.8	K5	CO	6091	F -60 7388
61	8.6	8.3W	11 46.651	0.0059	07	-62 19 6.15	-0.059	07	0.14	46.627	14	45.8	5.90	14	45.8	G0	CO	6092	F -62 6150
62		9.5	12 15.248	-0.0027	25	-68 5 46.52	-0.005	36	1.69	15.387	53	98.8	46.27	63	98.8		M4	4338	F -68 3363
63		6.8T	12 20.821	0.0053	09	-67 36 30.32	-0.066	08	0.54	20.519	18	92.5	26.33	17	89.4	A2	GC	28113	F -67 3720
64		9.4	12 55.071	-0.0048	33	-65 58 28.62	0.064	43	2.28	55.347	63	92.7	32.32	57	92.7		M3	2590	
65	9.9	8.8W	12 55.226	0.0018	07	-61 4 29.96	-0.010	07	0.14	55.218	14	45.8	29.92	14	45.8	K2	CO	6096	F -61 6472
66	9.8	8.5W	12 55.552	0.0017	07	-63 6 52.16	-0.015	07	0.14	55.545	14	45.8	52.09	14	45.8	K2	CO	6097	F -63 4572
67		8.4	13 8.348	-0.0147	25	-68 38 43.08	0.006	36	1.75	9.131	53	96.7	43.38	63	96.7		M4	4340	F -68 3364
68	7.5	7.7W	13 55.662	0.0064	06	-63 18 57.94	-0.034	06	0.14	55.635	14	45.8	57.80	14	45.8	A3	CO	6099	F -63 4574
69	9.7	9.4W	14 19.590	0.0013	07	-63 26 42.34	-0.060	07	0.14	19.585	14	45.8	42.09	14	45.8	G0	CO	6102	F -63 4575
70		6.8T	14 25.875	0.0031	10	-62 3 45.54	-0.056	08	0.50	25.717	19	98.7	42.43	17	94.7	A0	GC	28175	F -62 6152
71		8.4	14 39.291	0.0013	25	-69 10 13.61	-0.002	36	1.81	39.217	53	94.7	13.48	63	94.7		M4	4343	F -69 3108
72		6.3T	14 39.390	-0.0012	11	-63 23 11.26	-0.082	07	0.46	39.442	18	07.0	7.08	18	99.1	K0	GC	28184	F -63 4576
73		8.9T	14 41.102	-0.0002	17	-62 3 31.83	0.025	17	0.79	41.112	24	05.3	32.94	24	05.3	K0	GC	28186	F -62 6154
74		8.8	16 2.206	0.0032	25	-66 37 46.25	-0.001	36	1.81	2.030	53	94.7	46.21	63	94.7		M4	4349	F -66 3481
75		6.6T	16 47.453	-0.0212	12	-66 54 30.67	0.013	09	0.59	48.547	21	98.4	31.44	18	91.9	F5	GC	28246	F -67 3730
76		6.8T	16 49.097	0.0188	12	-67 28 18.92	0.017	08	0.57	48.157	21	00.1	19.90	19	92.9	F8	GC	28247	F -67 3729
77	9.8	9.6W	17 2.349	0.0007	07	-61 33 53.21	-0.025	07	0.14	2.346	14	45.8	53.10	14	45.8	F0	CO	6109	F -61 6476
78		9.1	17 22.212	0.0064	25	-68 25 59.51	-0.018	36	1.50	21.914	36	03.2	58.65	45	03.2		M4	4353	F -68 3366
79		8.5	17 45.806	0.0072	25	-66 10 7.45	-0.014	36	1.43	45.502	53	07.7	6.88	63	07.7		M4	4358	F -66 3483
80		8.8	18 1.139	0.0033	25	-69 35 21.93	-0.044	36	1.43	0.993	36	05.7	19.97	45	05.7		M4	4356	F -69 3111
81		8.4	19 17.188	-0.0098	25	-66 20 25.81	-0.028	36	1.81	17.729	53	94.7	24.28	63	94.7		M4	4363	F -66 3485
82		8.5T	19 27.903	-0.0004	16	-67 45 31.31	-0.010	13	0.75	27.923	21	01.9	30.80	21	98.8	A0	GC	28317	F -67 3732
83		8.7	19 37.450	-0.0072	33	-64 45 4.17	0.008	43	2.30	37.860	75	92.7	4.63	57	92.7		M3	2604	
84	9.0	8.0W	19 41.847	0.0021	07	-60 46 14.56	-0.010	07	0.14	41.838	14	45.8	14.52	14	45.8	K2	CO	6118	F -61 6481
85	8.0	8.3W	19 50.736	0.0077	07	-64 3 6.71	-0.007	07	0.14	50.703	14	45.8	6.68	14	45.8	A2	CO	6120	F -64 4044
86	8.5	8.5W	20 41.615	0.0061	06	-60 7 35.92	-0.024	06	0.14	41.589	14	45.8	35.82	14	45.8	A2	CO	6124	F -60 7400
87		8.8	20 47.980	0.0022	25	-65 42 20.02	0.054	36	1.69	47.868	53	98.7	22.82	63	98.7		M4	4371	F -65 3859
88		8.4T	21 24.249	0.0096	16	-62 49 19.65	-0.081	12	0.67	23.827	21	06.0	15.86	21	03.3	F2	GC	28367	F -63 4579
89		9.1	21 26.230	0.0012	25	-66 26 6.41	-0.032	36	1.64	26.169	53	00.4	4.83	63	00.4		M4	4373	F -66 3488
90	9.5	9.4W	21 44.409	0.0026	13	-60 55 59.05	-0.055	13	0.15	44.398	14	45.8	58.82	14	45.8	A2	CO	6128	F -61 6483
91	9.7	9.3W	21 56.487	0.0077	07	-63 7 48.41	-0.029	07	0.14	56.455	14	45.8	48.29	14	45.8	G0	CO	6129	F -63 4580
92		8.7T	22 16.583	0.0070	12	-60 11 8.72	-0.044	10	0.53	16.268	19	04.9	6.66	18	03.5	G5	GC	28392	F -60 7404
93		8.4	22 20.239	-0.0027	25	-69 4 21.66	-0.050	36	1.75	20.382	53	96.7	18.98	63	96.7		M4	4375	F -69 3115
94	9.8	9.4W	22 41.657	-0.0044	06	-63 13 12.70	-0.001	06	0.14	41.675	14	45.8	12.69	14	45.8	G0	CO	6134	F -63 4581
95	10.0		23 54.592	0.0040	12	-62 34 3.97	0.030	12	0.15	54.575	14	45.8	4.09	14	45.8	A5	CO	6138	F -62 6159
96		7.3T	23 55.251	0.0103	12	-67 55 26.39	0.008	11	0.66	54.701	18	96.5	26.85	19	93.1	F2	GC	28433	F -68 3369
97	9.6	8.9W	24 4.099	-0.0039	06	-63 15 51.83	0.133	06	0.14	4.115	14	45.8	52.39	14	45.8	G5	CO	6139	F -63 4582
98	9.0	8.5W	24 36.077	0.0339	06	-62 37 23.04	-0.202	06	0.14	35.935	14	45.8	22.19	14	45.8	G5	CO	6141	F -62 6160
99	9.2	9.0W	25 14.112	-0.0034	07	-61 38 35.82	-0.005	07	0.14	14.126	14	45.8	35.80	14	45.8	F2	CO	6144	F -61 6487
00		7.3T	25 23.397	0.0033	09	-69 14 9.46	-0.039	08	0.54	23.213	21	94.7	7.14	19	91.0	A2	GC	28459K	F -69 3120

254800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 20H DM NUMBER
1		9.1	20 25 27.959	0.0042	25	-66 1 41.25	-0.067	36	1.69	27.744	53	98.7	38.35	63	98.7		M4	4385	P -66 3491
2		8.8	25 28.346	0.0052	25	-67 11 6.12	-0.055	36	1.50	28.157	45	04.2	3.61	53	04.2		M4	4384	P -67 3738
3		7.4T	26 8.918	0.0028	13	-64 21 28.56	-0.007	10	0.60	8.791	21	04.1	28.20	18	00.6	F5	GC	28491	P -64 4049
4	9.9	9.6W	26 37.184	-0.0003	11	-63 29 48.04	0.013	11	0.15	37.185	14	45.8	48.10	14	45.8	F8	CG	6149	P -63 4587
5	9.4	8.2W	26 58.081	0.0035	13	-62 25 1.06	-0.015	13	0.15	58.067	14	45.8	1.00	14	45.8	K2	CG	6151	P -62 6163
6	9.7	9.5W	27 10.157	0.0005	12	-63 29 58.41	0.019	12	0.15	10.155	14	45.8	58.49	14	45.8	F2	CG	6152	P -63 4588
7		8.0	27 29.091	-0.0098	25	-65 59 2.90	-0.046	36	1.41	29.500	53	08.4	1.01	63	08.4		M4	4395	P -66 3492
8	10.4	8.8W	27 54.411	0.0029	09	-60 12 47.47	-0.036	09	0.15	54.399	14	45.8	47.32	14	45.8	MA	CG	6154	P -60 7408
9		9.1	27 55.165	0.0083	25	-68 12 11.35	-0.063	36	1.69	54.740	53	98.8	8.13	63	98.8		M4	4396	P -68 3372
10	9.3	9.1W	27 59.629	0.0011	07	-62 43 32.60	-0.002	07	0.14	59.625	14	45.8	32.60	14	45.8	A3	CG	6155	P -62 6165
11		7.8	28 9.289	0.0043	25	-68 32 29.24	-0.008	36	1.37	9.116	53	09.8	28.91	63	09.8		M4	4397	P -68 3374
12	8.3	8.3W	28 25.362	0.0043	06	-64 12 39.45	-0.041	06	0.14	25.344	14	45.8	39.28	14	45.8	A2	CG	6157	P -64 4056
13	9.2	8.7W	28 44.760	0.0036	07	-62 39 49.74	-0.202	07	0.14	44.745	14	45.8	48.89	14	45.8	G5	CG	6159	P -62 6166
14	9.7	9.5W	28 47.980	0.0053	09	-60 44 57.05	0.017	09	0.15	47.958	14	45.8	57.12	14	45.8	A2	CG	6160	P -60 7409
15		8.3	29 36.551	0.0042	25	-66 54 40.02	-0.035	36	1.46	36.369	53	06.7	38.51	63	06.7		M4	4402	P -67 3742
16		7.6	29 45.658	0.0032	25	-66 54 9.93	-0.069	36	1.46	45.519	53	06.7	7.38	63	06.7		M4	4404	P -67 3743
17	9.7	8.9W	30 6.183	0.0019	12	-63 50 0.21	0.024	12	0.15	6.175	14	45.8	0.31	14	45.8	K0	CG	6162	P -64 4057
18		7.5T	30 25.248	0.0032	08	-63 29 0.94	-0.012	07	0.42	25.095	19	01.7	0.29	17	97.7	A0	GC	28584K	P*-63 4590
19	10.2	10.3W	30 50.811	0.0129	11	-63 17 48.60	0.028	11	0.15	50.757	14	45.8	48.72	14	45.8	A1	CG	6166	P -63 4591
20		6.1T	30 56.001	0.0074	10	-69 46 58.84	-0.061	09	0.56	55.591	21	94.6	55.24	18	91.1	K2	GC	28597	P -70 2792
21	9.2	9.2W	31 3.170	0.0075	13	-61 55 18.61	-0.017	13	0.15	3.138	14	45.8	18.53	14	45.8	A5	CG	6168	P -62 6169
22	10.2	9.1W	31 14.425	-0.0009	09	-62 23 52.68	-0.012	09	0.15	14.429	14	45.8	52.63	14	45.8	K2	CG	6169	P -62 6170
23		4.8T	31 27.383	0.0099	06	-60 45 7.33	-0.180	06	0.26	26.975	09	08.8	-59.23	09	05.1	F0	GC	28609	P*-61 6492
24	8.6	8.6W	31 48.423	0.0062	12	-62 46 36.18	0.009	12	0.15	48.397	14	45.8	36.22	14	45.8	F0	CG	6171	P -63 4594
25		6.8T	31 55.408	-0.0001	13	-69 37 27.17	-0.024	09	0.64	55.413	22	99.9	25.76	19	91.4	K0	GC	28628	P -69 3127
26	9.2	8.0W	32 18.224	0.0039	11	-61 35 5.09	-0.013	11	0.15	18.208	14	45.8	5.03	14	45.8	K2	CG	6174	P -61 6493
27		6.6T	32 21.046	0.0013	09	-63 17 37.81	-0.066	07	0.49	20.976	19	97.5	32.95	17	93.8	F2	GC	28644	P -63 4595
28	10.4	10.2W	32 21.105	0.0018	07	-63 18 39.05	-0.017	07	0.14	21.097	14	45.8	39.12	14	45.8		CG	6175	P -63 4596
29	9.5	8.5W	32 24.120	0.0021	07	-60 9 8.57	-0.006	07	0.14	24.111	14	45.8	8.55	14	45.8	K2	CG	6177	P -60 7412
30	10.1	9.2W	32 30.764	0.0017	13	-62 43 23.37	0.013	13	0.15	30.757	14	45.8	23.42	14	45.8	G0	CG	6178	P -62 6172
31		7.1T	32 44.744	0.0049	11	-65 12 27.39	-0.027	08	0.52	44.503	18	00.8	26.03	17	98.7	B9	GC	28655	P -65 3855
32	10.1	9.7W	33 3.743	0.0158	07	-63 4 10.70	-0.019	07	0.14	3.677	14	45.8	10.62	14	45.8	F8	CG	6182	P -63 4598
33	8.2	8.0W	33 5.862	0.0032	07	-62 20 29.57	-0.032	07	0.14	5.843	14	45.8	29.43	14	45.8	F5	CG	6183	P -62 6174
34	9.3	8.2W	33 13.281	0.0048	07	-60 0 49.99	-0.033	07	0.14	13.261	14	45.8	49.85	14	45.8	K0	CG	6184	P -60 7415
35		5.0T	33 24.831	0.0084	06	-61 42 13.15	-0.065	06	0.24	24.485	09	08.8	10.32	07	06.1	F5	GC	28668	P*-61 6495
36	8.7	8.7W	33 34.730	0.0049	12	-61 14 44.10	-0.012	12	0.15	34.710	14	45.8	44.06	14	45.8	A3	CG	6187	P -61 6496
37	7.9	7.6W	33 46.589	-0.0241	06	-66 48 30.45	-0.060	06	0.14	46.690	14	45.8	30.25	14	45.8	G0	CG	6188	P -66 3497
38		8.5	33 50.418	0.0142	25	-66 42 34.63	-0.434	36	1.69	49.691	53	98.7	12.38	63	98.7		M4	4418	P -66 3496
39	9.4	8.4W	34 19.369	0.0024	06	-66 47 8.00	-0.012	06	0.14	19.360	14	45.8	7.95	14	45.8	K2	CG	6189	P -61 6498
40		9.0T	34 54.411	0.0029	14	-61 0 9.49	-0.010	12	0.70	54.270	22	01.3	9.01	22	99.2	K2	GC	28701	P -61 6500
41		7.3T	35 11.993	0.0008	10	-61 42 42.67	-0.002	07	0.44	11.956	17	03.5	42.59	14	99.0	B9	GC	28708	P -61 6501
42		8.8	35 20.794	0.0090	25	-64 46 54.49	-0.078	36	1.81	20.295	53	94.7	58.79	63	94.7		M4	4423	P -65 3858
43		9.3	35 23.621	0.0024	25	-68 29 31.95	-0.014	36	1.78	23.492	53	95.7	31.17	63	95.7		M4	4421	P -68 3378
44		6.4T	35 36.250	0.0027	11	-63 5 0.92	-0.076	08	0.53	36.118	21	01.9	-56.91	18	97.5	K0	GC	28718	P -63 4602
45		8.4	35 51.596	0.0062	25	-65 15 0.89	-0.060	36	1.68	51.281	53	99.1	-57.86	63	99.1		M4	4424	P -65 3860
46		5.3T	35 55.079	0.0421	06	-65 43 5.08	-0.569	06	0.29	53.327	12	08.4	-39.39	12	04.8	F8	GC	28730	P*-60 7419
47		8.0	36 22.936	-0.0060	25	-64 21 38.59	-0.028	36	1.81	23.265	53	94.7	37.03	63	94.7		M4	4426	P -64 4063
48	9.1	9.0W	36 27.235	0.0066	07	-63 14 14.28	-0.014	07	0.14	27.207	14	45.8	14.22	14	45.8	A2	CG	6198	P -63 4603
49	10.0	9.0W	36 45.157	0.0003	07	-64 12 47.49	-0.020	07	0.14	45.155	14	45.8	47.41	14	45.8	K0	CG	6200	P -64 4064
50		8.4T	36 57.580	0.0076	16	-61 46 12.81	-0.024	12	0.66	57.245	21	06.0	11.71	19	03.2	A2	GC	28767	P -62 6175
51		8.4	20 37 3.861	0.0013	25	-68 18 51.41	-0.008	36	1.43	3.806	53	07.7	51.09	63	07.7		M4	4428	P -68 3379
52	9.3	9.0W	37 6.838	0.0140	09	-60 44 25.72	-0.007	09	0.15	6.780	14	45.8	25.75	14	45.8	F8	CG	6203	P -61 6503
53		8.1	37 9.512	-0.0048	25	-67 13 40.45	-0.013	36	1.75	9.767	53	96.7	39.78	63	96.7		M4	4430	P -67 3753
54		5.4T	37 23.405	0.0030	05	-66 56 20.65	-0.024	06	0.23	23.272	09	06.8	19.55	09	03.4	B9	GC	28782	P*-67 3754
55		8.0T	38 52.134	0.0003	15	-63 9 18.86	-0.027	11	0.63	52.119	21	04.7	17.55	18	01.8	K2	GC	28825	P -63 4606
56	8.4	8.2W	39 3.859	0.0029	07	-62 43 2.11	-0.021	07	0.14	3.847	14	45.8	2.02	14	45.8	F2	CG	6207	P -62 6176
57	10.7	9.8W	39 23.579	0.0008	09	-63 55 53.25	0.013	09	0.15	23.575	14	45.8	53.31	14	45.8	G5	CG	6208	P -64 4066
58	10.1	9.1W	39 42.066	-0.0030	09	-62 10 46.90	-0.007	09	0.15	42.079	14	45.8	46.93	14	45.8	K0	CG	6209	P -62 6177
59		9.0	40 3.200	0.0022	25	-66 40 42.87	0.018	36	1.75	3.083	53	96.7	43.85	63	96.7		M4	4440	P -66 3500
60	9.4	9.0W	40 21.175	0.0091	07	-63 18 55.13	-0.146	07	0.14	21.137	14	45.8	54.52	14	45.8	G5	CG	6211	P -63 4608
61		9.1	40 25.775	-0.0038	25	-65 11 37.02	-0.006	36	1.65	25.965	53	00.1	36.73	63	00.1		M4	4441	P -65 3864
62		3.6M	40 28.662	-0.0061	02	-66 23 5.42	0.017	02	0.10	28.915	05	08.7	6.09	05	09.5	A5	F4	775	P -66 3501
63	10.0	9.8W	40 42.154	0.0015	13	-63 25 46.40	0.005	13	0.15	42.147	14	45.8	46.42	14	45.8	G0	CG	6212	P -63 4609
64		7.6T	41 10.538	0.0021	14	-64 36 34.13	-0.039	11	0.62	10.442	21	04.3	32.18	18	00.4	A0	GC	28875	P -64 4069
65		8.0T	41 26.289	0.0041	16	-62 51 17.43	-0.034	11	0.66	26.106	21	05.9	15.79	19	02.5	F0	GC	28885	P -63 4610
66	10.1	9.9W	41 32.135	0.0047	12	-64 8 11.98	-0.016	12	0.15	32.115	14	45.8	11.91	14	45.8	F5	CG	6215	P -64 4070
67		6.9T	42 24.001	0.0142	13	-65 5 30.06	-0.068	10	0.59	23.320	19	02.0	26.65	18	99.6	K0	GC	28913	P -65 3865
68		8.3T	42 33.790	0.0135	12	-60 27 50.00	-0.075	11	0.54	33.204	18	06.7	46.67	18	05.8	F5	GC	28918	P -60 7424
69	10.1	9.0W	43 54.756	0.0016	09	-61 2 10.08	-0.033	09	0.15	54.750	14	45.8	9.95	14	45.8	K0	CG	6220	P -61 6505
70		7.1T	44 12.886	0.0066	11	-68 58 32.51	-0.090	12	0.62	12.547	22	98.6	27.99	19	99.9	A5	GC	28960	P -69 3135
71		5.5T	44 35.935	-0.0122	04	-68 57 40.51	-0.052	04	0.24	36.528	10	01.3	37.85	09	99.0	K0	GC	28969	P*-69 3138
72		8.9	44 37.065	0.0050	25	-64 3 43.37	-0.013	36	1.81	36.787	53	94.7	42.67	63	94.7		M4	4454	P -64 4074
73		9.3	45 3.722	-0.0047	33	-69 52 30.93	0.002	43	2.30	3.990	75	92.7	31.03	57	92.7		M3	2659	
74	10.0	9.2W	45 19.796	0.0072	09	-63 54 51.82	-0.003	09	0.15	19.765	14	45.8	51.81	14	45.8	K0	CG	6222	P -64 4076
75		9.0	45 19.887	0.0113	33	-67 52 57.64	-0.036	43	2.26	19.253	75	93.7	55.63	57	93.7		M3	2661	
76		9.1	45 23.052	-0.0047	25	-69 34 9.73	-0.069	36	1.66	23.288	53	99.8	6.26	63	99.8		M4	4455	P -69 3140
77		8.3	45 46.543	0.0043	25	-67 22 14.84	-0.002	36	1.69	46.322	53	98.8	14.75	63	98.8		M4	4460	P -67 3760
78			45 46.966	0.0003	25	-67 20 15.10	-0.039	36	1.69	46.949	53	98.7	13.11	63	98.7		M4	4461V	P*-67 3761
79	10.1	10.1W	46 42.243	0.0017	07	-64 3 33.18	0.008	07	0.14	42.235	14	45.8	33.21	14	45.8	A3	CG	6225	P -64 4079
80	9.4	9.1W	46 46.280	0.0147	07	-61 36 30.85	-0.004	07	0.14	46.218	14	45.8	30.83	14	45.8	F5	CG	6226	P -61 6507
81		8.8	47 12.299	-0.0008	25	-67 11 8.32	-0.071	36	1.45	12.333	53	07.1	5.29	63	07.1		M4	4464	P -67 3763
82	9.9	9.8W	47 14.285	0.0023	07	-64 13 10.29	-0.005	07	0.14	14.276	14	45.8	10.31	14	45.8	F8	CG	6228	P -64 4080
83		6.6T	47 29.099	0.0120	09	-62 36 59.02	-0.045	07	0.44	28.515	17	01.4	56.65	15	97.9	A2	GC	29042K	P -62 6180
84		6.6T	47 29.587	0.0123	09	-62 36 58.92	-0.041	07	0.45	28.977	18	00.5	56.70	17	96.3	A2	GC	29043K	P -62 6180
85		8.3T	47 36.397	-0.0035	13	-61 36 11.99	0.032	10	0.52	36.540	15	09.2	13.40	15	05.1	F2	GC	29049K	P*-61 6510
86		8.2	47 45.608	0.0002	25	-66 43 7.73	-0.018	36	1.73	45.597	53	96.7	6.79	53	96.7		M4	4467	P -66 3507
87		8.9	47 52.111	-0.0028	25	-65 19 57.58	-0.011	36	1.42	52.228	53	08.1	57.14	63	08.1		M4	4469	P -65 3868
88		8.2	48 20.017	-0.0010	25	-64 43 29.45	-0.057	36	1.41	23.058	53	08.4	27.07	63	08.4		M4	4471	P -65 3870
89	9.8	9.9W	48 49.083	-0.0029	13	-63 48 20.05	0.014	13	0.15	49.095	14	45.8	20.11	14	45.8	A2	CG	6235	P -64 4082
90		8.7	48 55.090	-0.0048	33	-65 35 9.36	0.018	43	2.26	55.362	75	93.7	10.36	57	93.7		M3	2668	
91		7.3T	49 10.046	-0.0021	12	-64 23 12.91	0.006	09	0.57	10.149	18	00.1	13.24	17	97.7	A2	GC	29084	P -64 4083
92	10.3	9.3W	49 10.642	0.0087	12	-63 30 19.69	-0.020	12	0.15	10.605	14	45.8	19.61	14	45.8	K0	CG	6238	P -63 4617
93		9.2	49 19.287	0.0003	25	-69 15 39.57	-0.012	36	1.63	19.271	53	00.7	38.97	63	00.7		M4	4473	P -69 3143
94	10.1	9.3W	49 53.193	-0.0013	09	-62 9 17.63	-0.047	09	0.15	53.199	14	45.8	17.43	14	45.8	K0	CG	6245	P -62 6184
95		7.2T	50 10.644	-0.0001	15	-63 1 32.35	-0.005	11	0.64	10.646	21	05.5	32.09	19	02.6	K0	GC	29119	P -63 4619
96		9.2	50 14.999	0.0143	25	-68 18 38.49	-0.002	36	1.71	14.252	45	97.7	38.40	63	97.4		M4	4475	P -68 3391
97	9.5	9.2W	50 27.872	0.0006	11	-61 10 53.78	-0.080	11	0.15	27.870	14	45.8	53.45	14	45.8	G	CG	6248	P -61 6514
98	9.0	8.1W	50 49.761	-0.0001	06	-60 24 1.36	-0.005	06	0.14	49.761	14	45.8	1.35	14	45.8	K0	CG	6255	P -60 7436
99		8.3	51 16.556	0.0002	25	-66 20 31.46	-0.054	36	1.40	16.547	53	08.7	29.24	63	08.7		M4	4480	P -66 3510
00		8.3T	51 26.693	-0.0008	16	-65 21 59.95	-0.015	12	0.67	26.729	19	04.8	59.25	18	02.8	K2	GC	29147	P -65 3873

254900

EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -60° 20H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	DM NUMBER
1	10.0	8.4W	20 51 35.889	0.0022	09	-60 42 48.62	-0.019	09	0.15	35.880	14	45.8	48.55	14	45.8	K5	CO	6252	P -60 7437
2		9.5T	52 25.738	0.0060	12	-61 45 28.60	-0.041	10	0.58	25.456	21	03.0	26.58	19	01.3	F0	GC	29179	P -62 6186
3	10.2	9.8W	52 31.409	0.0049	13	-62 23 47.70	-0.007	13	0.15	31.389	14	45.8	47.73	14	45.8	G0	CO	6256	P -62 6187
4		7.7T	53 5.104	0.0026	15	-65 7 49.61	-0.024	11	0.64	4.987	21	04.7	48.46	18	01.2	K0	GC	29198	P -65 3875
5		7.2T	53 9.998	0.0087	10	-68 37 3.08	-0.027	10	0.61	9.528	21	95.9	1.54	18	93.2	A2	GC	29199	P -68 3393
6		9.0	53 20.199	0.0004	25	-68 20 26.72	-0.017	36	1.66	20.181	53	99.8	25.85	63	99.8		M4	4485	P -68 3394
7		7.1T	53 30.780	0.0026	12	-69 20 21.21	-0.032	08	0.56	30.651	19	00.9	19.39	18	93.7	B9	GC	29209	P -69 3146
8	9.0	9.1W	53 47.759	0.0022	07	-60 55 40.36	-0.003	07	0.14	47.750	14	45.8	40.35	14	45.8	F0	CO	6260	P -61 6517
9	9.2	9.1W	54 5.789	0.0026	07	-61 48 4.63	-0.000	07	0.14	5.778	14	45.8	4.63	14	45.8	F5	CO	6261	P -62 6188
10		8.4	54 15.953	-0.0010	25	-64 31 16.90	0.039	36	1.79	16.006	63	96.7	18.97	75	96.7		M4	4490	P -64 4086
11	10.6	9.7W	54 30.898	-0.0069	09	-63 6 13.89	0.008	09	0.15	30.927	14	45.8	13.92	14	45.8	K0	CO	6262	P -63 4622
12	8.2	8.3W	54 33.678	0.0026	06	-62 45 31.01	-0.026	06	0.14	33.667	14	45.8	31.12	14	45.8	A5	CO	6263	P -63 4624
13	10.5	9.9W	54 36.217	0.0048	07	-63 0 26.87	0.012	07	0.14	36.197	14	45.8	26.92	14	45.8	G8	CO	6264	P -63 4623
14	10.2	10.2W	54 42.480	0.0031	09	-63 8 2.71	0.003	09	0.15	42.467	14	45.8	2.72	14	45.8	F2	CO	6266	P -63 4625
15		6.8T	55 18.854	0.0875	12	-69 46 13.25	-0.280	12	0.66	14.463	22	99.8	-58.35	21	96.8	G5	GC	29253	P -70 2814
16		6.6T	55 33.603	-0.0058	14	-63 4 20.50	-0.001	11	0.55	33.373	18	10.6	20.43	18	04.5	K2	GC	29258	P -63 4626
17		9.1	56 12.083	-0.0088	25	-66 15 46.61	-0.057	36	1.69	12.534	53	98.8	43.67	63	98.8		M4	4498	P -66 3512
18		6.5T	56 55.238	-0.0001	10	-68 24 21.49	-0.001	09	0.52	55.243	18	99.3	21.45	17	95.6	A0	GC	29293	P -68 3396
19	9.6	9.4W	57 13.590	-0.0014	07	-63 39 2.44	-0.008	07	0.14	13.595	14	45.8	2.41	14	45.8	F5	CO	6271	P -63 4628
20	10.1	9.8W	57 31.684	-0.0004	12	-63 30 38.73	0.020	12	0.15	31.685	14	45.8	38.81	14	45.8	F0	CO	6272	P -63 4629
21	8.8	8.8W	57 59.499	0.0023	06	-61 0 16.03	0.004	06	0.14	59.490	14	45.8	16.05	14	45.8	A2	CO	6273	P -61 6521
22	9.6	8.1W	58 19.141	0.0084	06	-64 9 38.18	-0.016	06	0.14	19.106	14	45.8	38.11	14	45.8	K2	CO	6274	P -64 4088
23		9.0T	58 36.662	0.0054	13	-62 4 35.83	-0.085	11	0.59	36.412	21	03.9	31.85	19	03.4	G0	GC	29341	P -62 6191
24		8.0	58 39.572	0.0074	25	-69 22 4.63	-0.055	36	1.38	39.275	53	09.7	2.40	63	09.7		M4	4509	P -69 3150
25		8.9	58 46.451	0.0053	25	-67 35 23.67	-0.053	36	1.66	46.182	45	98.8	21.01	63	99.4		M4	4510	P -67 3770
26	10.1	8.7W	58 50.945	0.0017	07	-63 26 57.60	-0.019	07	0.14	50.937	14	45.8	57.52	14	45.8	K5	CO	6277	P -63 4630
27		8.1	59 15.147	0.0203	25	-68 16 13.57	-0.030	36	1.40	14.309	53	08.7	12.34	63	08.7		M4	4512	P -68 3399
28	8.4	7.7W	59 39.006	0.0003	06	-63 40 45.30	0.003	06	0.14	39.005	14	45.8	45.31	14	45.8	K0	CO	6280	P -63 4631
29	9.7	9.2W	21 0 21.405	0.0046	06	-64 9 48.95	-0.104	06	0.14	21.385	14	45.8	48.51	14	45.8	G3	CO	6284	P -64 4089
30		7.4T	0 29.351	0.0025	16	-64 14 48.93	-0.022	12	0.68	29.236	19	04.5	47.90	18	02.5	K5	GC	29380	P -64 4090
31		8.7	0 40.244	-0.0138	25	-66 27 10.94	-0.012	36	1.53	40.902	36	02.2	10.38	45	02.2		M4	4518	P -66 3514
32	8.5	8.6W	0 45.437	0.0053	06	-63 42 21.28	-0.040	06	0.14	45.415	14	45.8	21.11	14	45.8	A0	CO	6285	P -64 4091
33		8.7	0 49.102	0.0102	25	-67 9 24.39	-0.086	36	1.40	48.681	53	08.7	20.86	63	08.7		M4	4520	P -67 3771
34		8.4T	1 30.145	0.0039	13	-60 36 8.88	0.010	11	0.61	29.963	21	03.4	9.31	18	04.0	K0	GC	29418	P+-60 7445
35	9.7	9.1W	1 36.922	-0.0015	07	-61 55 42.69	-0.014	07	0.14	36.928	14	45.8	42.63	14	45.8	G5	CO	6288	P -62 6194
36		7.8T	1 56.535	-0.0002	12	-68 50 46.99	-0.004	11	0.62	56.545	22	01.3	46.79	19	00.0	K5	GC	29425	P -69 3155
37		8.9T	2 38.472	0.0019	14	-61 59 33.68	-0.005	12	0.70	38.379	22	01.3	33.40	22	99.2	K2	GC	29441	P -62 6196
38	10.0	9.0W	3 9.853	0.0080	07	-61 9 13.92	-0.017	07	0.14	9.820	14	45.8	13.85	14	45.8	K0	CO	6296	P -61 6528
39		6.8T	3 31.043	-0.0065	13	-60 11 35.68	-0.010	06	0.31	31.321	12	07.1	35.20	12	03.7	G5	GC	29471	P -60 7451
40		7.8T	3 56.336	0.0075	13	-63 8 51.73	-0.023	10	0.60	55.983	21	03.2	50.59	19	01.4	K0	GC	29478	P -63 4634
41		5.8T	4 24.855	0.0022	09	-64 7 52.01	-0.009	08	0.48	24.741	19	99.1	51.53	17	95.2	K0	GC	29503	P -64 4094
42	10.5	9.3W	4 45.645	0.0017	09	-63 15 10.59	-0.041	09	0.15	45.637	14	45.8	10.42	14	45.8	K2	CO	6302	P -63 4636
43	10.2	8.9W	4 49.033	0.0061	09	-63 18 20.45	-0.056	09	0.15	49.007	14	45.8	20.22	14	45.8	K2	CO	6303	P -63 4637
44		7.7	4 49.119	0.0042	33	-66 0 5.39	-0.058	43	2.26	48.884	75	93.7	2.10	57	93.7		M3	2701	
45		8.4T	5 4.460	0.0071	12	-61 16 30.16	-0.027	11	0.55	4.149	18	06.3	28.96	18	04.6	K2	GC	29524	P -61 6530
46	9.4	9.1W	5 31.987	0.0090	07	-60 43 38.30	-0.036	07	0.14	31.949	14	45.8	38.15	14	45.8	G0	CO	6305	P -61 6531
47	10.4	8.9W	5 55.105	0.0062	08	-61 9 55.28	-0.008	08	0.14	55.080	14	45.8	55.25	14	45.8	K5	CO	6306	P -61 6532
48		6.9T	5 59.810	0.0004	11	-64 13 43.50	-0.082	09	0.49	59.791	17	06.5	39.50	17	01.1	A2	GC	29547	P -64 4096
49	9.0	8.7W	6 57.876	0.0049	07	-63 53 19.80	-0.022	07	0.14	57.855	14	45.8	19.71	14	45.8	F5	CO	6310	P -64 4100
50		8.6	7 9.156	-0.0027	25	-68 39 45.07	0.023	36	1.41	9.268	53	08.4	46.02	63	08.4		M4	4533	P -68 3409
51	10.7	9.3W	21 7 21.573	0.0015	08	-62 59 45.02	0.001	08	0.14	21.567	14	45.8	45.02	14	45.8	K3	CO	6311	P -63 4644
52		8.2	7 38.615	-0.0028	25	-66 29 19.51	-0.037	36	1.75	38.762	53	96.8	17.55	63	96.8		M4	4538	P -66 3527
53	9.7	8.8W	8 6.826	0.0016	06	-61 27 38.73	0.004	06	0.14	6.820	14	45.8	38.75	14	45.8	G5	CO	6314	P -61 6533
54	10.2	9.9W	8 32.404	0.0014	09	-62 9 57.71	0.006	09	0.15	32.398	14	45.8	57.73	14	45.8	F5	CO	6316	P -62 6205
55		7.8T	8 42.409	0.0049	11	-60 15 14.61	-0.010	09	0.50	42.179	18	03.4	14.07	17	99.0	F0	GC	29607K	P+-60 7452
56		8.9	9 3.974	0.0063	25	-69 8 6.26	-0.081	36	1.67	3.644	36	97.7	2.02	45	97.7		M4	4545	P -69 3160
57		8.3	9 30.344	0.0032	25	-67 9 21.76	-0.016	36	1.75	30.173	53	96.7	20.93	63	96.7		M4	4548	P -67 3779
58	10.1	8.7W	9 58.121	0.0028	08	-60 33 26.85	-0.024	08	0.14	58.109	14	45.8	26.75	14	45.8	K0	CO	6319	P -60 7454
59		9.2	10 21.369	0.0052	25	-66 59 29.96	-0.087	36	1.41	21.153	53	08.4	26.36	63	08.4		M4	4550	P -67 3781
60		9.2	10 27.134	0.0042	25	-66 26 40.15	-0.029	36	1.46	26.952	53	06.8	38.90	63	06.8		M4	4552	P -66 3532
61	8.5	8.1W	11 16.348	-0.0019	06	-63 53 43.91	-0.001	06	0.14	16.355	14	45.8	43.91	14	45.8	F2	CO	6324	P -64 4110
62	10.1	9.7W	11 27.260	0.0031	07	-62 35 5.41	0.027	07	0.14	27.247	14	45.8	5.52	14	45.8	F5	CO	6326	P -62 6210
63	10.5	10.1W	11 40.802	-0.0059	09	-62 40 45.11	0.097	09	0.15	40.827	14	45.8	45.52	14	45.8	F8	CO	6328	P -62 6211
64		9.1	12 47.503	0.0012	25	-65 47 20.24	0.003	36	1.68	47.444	53	99.1	20.38	63	99.1		M4	4558	P -66 3538
65		8.3T	13 48.842	0.0024	13	-61 11 44.67	0.009	12	0.64	48.725	18	01.7	45.10	17	99.1	K2	GC	29748	P -61 6536
66		6.4T	13 53.356	0.0021	11	-64 53 28.60	-0.035	08	0.52	53.252	19	00.5	26.73	18	96.8	A0	GC	29751	P -65 3900
67		8.8	14 5.085	-0.0107	33	-68 48 38.69	0.022	43	2.26	5.686	75	93.8	39.92	57	93.8		M3	2719	
68		8.6	14 16.761	0.0012	25	-67 0 32.77	-0.050	36	1.75	16.696	53	96.7	30.13	63	96.7		M4	4564	P -67 3785
69		8.0	14 44.141	0.0022	25	-66 35 7.75	-0.048	36	1.37	44.052	53	09.8	5.83	63	09.8		M4	4565	P -66 3543
70		6.7T	14 46.833	0.0671	10	-61 33 26.86	-0.431	07	0.46	43.672	15	92.9	4.68	14	98.6	G0	GC	29770	P -61 6537
71		9.5T	14 47.062	0.0170	22	-61 8 33.47	-0.030	13	0.79	46.378	21	09.8	32.12	19	05.9	F5	GC	29771	P -61 6538
72	8.0	8.0W	14 53.729	0.0075	06	-63 15 34.33	-0.050	06	0.14	53.697	14	45.8	34.12	14	45.8	F0	CO	6341	P -63 4652
73		8.3	15 6.740	0.0092	25	-66 10 17.07	-0.108	36	1.37	6.370	53	09.7	12.70	63	09.7		M4	4568	P -66 3547
74		9.0T	15 28.720	0.0006	12	-62 21 50.16	-0.002	10	0.57	28.689	19	01.6	50.09	18	99.7	G5	GC	29790	P -62 6220
75		8.0	15 37.509	0.0013	25	-69 13 20.52	0.021	36	1.37	37.455	53	09.7	21.36	63	09.7		M4	4569	P -69 3163
76		8.4	15 56.271	-0.0017	33	-68 45 7.46	0.016	43	2.26	56.366	75	93.7	8.35	57	93.7		M3	2722	
77	9.3	9.2W	16 10.730	0.0073	11	-60 30 10.81	-0.064	11	0.15	10.699	14	45.8	10.55	14	45.8	F8	CO	6349	P -60 7464
78	9.4	9.6W	16 12.296	0.0087	13	-60 30 31.79	0.014	13	0.15	12.259	14	45.8	31.85	14	45.8	F2	CO	6350	P -60 7465
79	9.5	9.1W	17 0.795	0.0010	07	-60 0 13.34	-0.047	07	0.14	0.791	14	45.8	13.15	14	45.8	G0	CO	6354	P -60 7466
80	9.4	8.5W	17 4.169	-0.0043	07	-62 33 42.82	-0.000	07	0.14	4.186	14	45.8	42.82	14	45.8	K0	CO	6355	P -62 6223
81	9.7	9.6W	17 4.405	-0.0006	07	-63 16 17.78	0.010	07	0.14	4.407	14	45.8	17.82	14	45.8	A3	CO	6356	P -63 4658
82		8.0T	17 13.898	-0.0004	13	-66 52 47.19	0.009	12	0.69	13.918	21	99.8	47.67	21	98.7	A2	GC	29842	P -67 3792
83		8.6	17 27.528	0.0040	25	-64 16 53.27	-0.027	36	1.80	27.305	53	94.8	51.80	63	94.8		M4	4579	P -64 4122
84	10.8	9.3W	17 44.971	0.0027	09	-61 23 12.98	-0.008	09	0.15	44.960	14	45.8	12.95	14	45.8	K5	CO	6357	P -61 6542
85		8.1	17 47.137	0.0003	25	-68 51 20.61	-0.035	36	1.71	47.120	36	96.3	18.72	45	96.2		M4	4578	P -69 3169
86	10.0	9.0W	17 58.211	0.0100	09	-61 20 37.87	-0.053	09	0.15	58.170	14	45.8	37.65	14	45.8	K0	CO	6359	P -61 6544
87		7.8T	18 34.963	0.0108	15	-60 4 37.94	-0.058	11	0.62	34.492	19	06.4	35.13	18	01.1	K2	GC	29878	P -60 7468
88	9.8	9.0W	19 6.907	0.0039	06	-60 27 47.43	-0.019	06	0.14	6.891	14	45.8	47.35	14	45.8	G0	CO	6367	P -60 7469
89		9.3	19 14.023	-0.0037	25	-68 2 16.76	-0.097	36	1.68	14.212	53	99.1	11.83	63	99.1		M4	4581	P -68 3417
90	5.7I		19 47.087	0.0027	12	-69 56 56.26	-0.017	11	0.63	46.950	22	99.3	55.39	19	99.0	N0	GC	29915X	P+-70 2844
91		8.1	20 3.958	-0.0018	25	-65 0 52.80	-0.091	36	1.44	4.038	36	05.3	48.75	45	05.3		M4	4589	P -65 3914
92		9.0	20 15.775	-0.0038	25	-66 37 42.54	-0.030	36	1.76	15.980	53	96.4	40.95	63	96.4		M4	4590	P -66 3559
93		7.1T	20 18.941	0.0284	14	-68 26 43.82	-0.163	12	0.69	17.554	19	01.2	52.36	18	97.7	G5	GC	29928	P -68 3418
94	9.1	8.7W	20 36.916	0.0064	07	-60 53 23.32	-0.043	07	0.14	36.890	14	45.8	23.15	14	45.8	F8	CO	6373	P -61 6547
95	9.9	9.7W	20 46.927	-0.0029	12	-62 22 56.00	0.031	12	0.15	46.939	14	45.8	56.13	14	45.8	F8	CO	6374	P -62 6228
96		8.2T	20 47.289	0.0029	14	-61 24 8.35	0.026	11	0.59	47.164	18	07.3	9.53	17	03.7	K0	GC	29940	P -61 6549
97	10.9	9.8W	21 22.839	-0.0026	09	-61 19 21.98	-0.033	09	0.15	22.850	14	45.8	21.85	14	45.8	K0	CO	6376	P -61 6550
98	9.3	8.5W	21 38.426	0.0072	07	-64 5 10.14	0.018	07	0.14	38.396	14	45.8	10.21	14	45.8	G5	CO	6378	P -64 4132
99		4.3H	22 20.184	0.0154	02	-65 35 38.76	0.797	02	0.10	19.574	05	10.4	+ 9.89	05	10.9	F8	F4	805	P -65 3918
00	9.5	9.1W	23 9.661	-0.0014	07	-62 52 15.70	0.005	07	0.14	9.667	14	45.8	15.72	14	45.8	G0	CO	6381	P -63 4670

255000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 21H DM NUMBER
1	10.2	9.2W	21 23 46.587	0.0018	07	-61 4 47.85	-0.026	07	0.14	46.580	14	45.8	47.75	14	45.8	K2	CD	6383	P -61 6554
2		7.6T	23 48.568	0.0016	12	-67 0 41.59	-0.012	12	0.64	48.487	22	99.7	41.02	19	00.7	K0	GC	30019	P -67 3800
3		5.3I	24 18.753	0.0166	07	-69 43 23.38	-0.065	06	0.30	18.661	10	09.5	21.07	12	04.9	MB	GC	30026V	P*-70 2850
4	10.0	9.1W	25 26.000	0.0011	09	-63 30 18.16	-0.011	09	0.15	25.995	14	45.8	18.21	14	45.8	G5	CD	6389	P -63 4674
5	9.7	8.9W	25 33.215	0.0023	10	-63 45 26.67	-0.062	10	0.15	33.205	14	45.8	26.41	14	45.8	G5	CD	6395	P -64 4137
6		9.4T	25 38.699	0.0064	12	-61 15 50.31	-0.007	11	0.57	38.413	19	05.4	49.96	19	03.6	F5	GC	30053K	P*-61 6556
7		9.2	26 4.766	-0.0028	25	-65 58 51.68	-0.057	36	1.76	4.919	45	95.8	48.57	63	95.8		M4	4696	P -66 3568
8		9.1	26 20.859	0.0003	33	-67 54 13.27	0.027	43	2.30	20.843	75	92.7	14.83	57	92.7		M3	2745	
9	8.8	8.1W	26 39.085	0.0056	07	-60 25 34.24	-0.046	07	0.14	39.061	14	45.8	34.06	14	45.8	G5	CD	6395	P -60 7481
10	8.8	8.5W	26 43.828	0.0049	07	-63 19 35.03	-0.026	07	0.14	43.807	14	45.8	34.92	14	45.8	F5	CD	6396	P -63 4678
11		7.3T	26 55.162	0.0232	12	-62 23 12.85	-0.102	11	0.57	54.093	19	04.0	7.91	19	01.8	G0	GC	30085	P -62 6236
12		8.9T	26 58.941	0.0008	14	-62 27 35.10	-0.036	12	0.62	58.905	19	06.9	33.33	18	01.6	K5	GC	30089	P -62 6237
13	9.0	7.9W	27 39.045	0.0019	06	-63 16 8.89	0.007	06	0.14	39.037	14	45.8	8.92	14	45.8	K0	CD	6400	P -63 4680
14		9.1	27 55.067	-0.0417	25	-68 13 44.83	-0.036	36	1.75	57.287	53	96.8	42.92	63	96.8		M4	4611	P -68 3427
15	8.9	8.0W	27 59.618	-0.0005	06	-61 21 20.18	0.015	06	0.14	59.620	14	45.8	20.25	14	45.8	K0	CD	6401	P -61 6560
16		8.4	28 11.863	0.0012	25	-65 31 27.03	-0.047	36	1.80	11.798	53	94.8	24.41	63	94.8		M4	4613	P -65 3926
17		7.4T	28 18.358	0.0004	13	-69 42 38.32	-0.007	11	0.68	18.338	22	00.2	37.93	19	95.3	K0	GC	30121	P -70 2856
18		8.6	28 32.128	0.0002	25	-66 1 58.65	-0.035	36	1.69	32.118	53	98.7	56.84	63	98.7		M4	4615	P -66 3571
19		7.2	28 54.189	0.0110	25	-64 22 19.45	-0.076	36	1.44	53.719	53	07.5	16.21	63	07.5		M4	4618	P -64 4145
20		8.9	28 55.254	0.0013	25	-67 53 57.43	0.046	36	1.64	55.189	45	99.8	59.75	63	99.8		M4	4616	P -68 3428
21		8.6	28 57.055	-0.0017	25	-67 53 3.50	-0.025	36	1.66	57.141	53	99.8	2.26	63	99.8		M4	4617	P -68 3429
22	10.3	9.8W	29 30.517	0.0092	11	-61 31 51.69	-0.014	11	0.15	30.478	14	45.8	51.63	14	45.8	F8	CD	6406	P -61 6563
23	9.4	9.2W	29 39.143	0.0011	13	-61 57 15.13	-0.000	13	0.15	39.138	14	45.8	15.13	14	45.8	F5	CD	6408	P -62 6242
24	9.3	9.0W	29 59.607	0.0018	07	-60 55 7.12	-0.018	07	0.14	59.600	14	45.8	7.05	14	45.8	G0	CD	6410	P -61 6565
25		8.9	30 11.566	0.0061	25	-66 28 3.61	-0.046	36	1.42	11.299	36	05.9	1.58	45	05.9		M4	4623	P -66 3573
26		8.2	30 20.092	-0.0029	33	-69 4 34.63	0.029	43	2.26	20.254	75	93.7	36.24	57	93.7		M3	2750	
27		8.8	30 42.827	0.0030	25	-66 56 52.04	0.013	36	1.69	42.672	53	98.8	52.72	63	98.8		M4	4626	P -67 3809
28	10.1	9.4W	30 57.649	0.0032	09	-61 11 18.47	-0.004	09	0.15	57.636	14	45.8	18.49	14	45.8	K0	CD	6413	P -61 6566
29	10.3	9.6W	31 49.478	0.0030	07	-61 4 5.55	-0.016	07	0.14	49.466	14	45.8	5.49	14	45.8	K0	CD	6414	P -61 6568
30		7.4T	31 49.804	0.0131	13	-63 11 30.58	-0.073	11	0.55	49.263	18	08.6	27.22	18	04.0	G5	GC	30200	P -63 4687
31	9.9	8.9W	32 0.575	0.0053	12	-62 44 14.43	0.005	12	0.15	0.553	14	45.8	14.45	14	45.8	K0	CD	6417	P -63 4689
32	9.8	9.1W	32 13.146	0.0000	07	-61 13 36.07	-0.021	07	0.14	13.146	14	45.8	35.99	14	45.8	G5	CD	6419	P -61 6569
33		8.9	32 27.123	0.0190	25	-65 22 38.88	-0.085	36	1.58	26.219	53	02.5	34.85	63	02.5		M4	4630	P -65 3931
34	10.9	10.1W	32 27.892	0.0014	09	-61 12 39.55	-0.038	09	0.15	27.886	14	45.8	39.39	14	45.8	K0	CD	6420	P -61 6570
35		9.1	33 13.345	0.0022	25	-68 24 13.43	-0.037	36	1.75	13.229	53	96.7	11.44	63	96.7		M4	4633	P -68 3432
36		8.3	33 23.709	0.0070	25	-65 32 13.32	-0.014	36	1.66	23.358	53	99.8	12.64	63	99.8		M4	4636	P -65 3934
37		9.2	33 34.754	-0.0069	33	-68 41 40.80	-0.046	43	2.30	35.143	75	92.7	38.14	57	92.7		M3	2758	
38		6.9T	33 56.613	0.0092	14	-69 51 18.53	-0.008	13	0.69	56.180	24	02.7	18.18	21	01.8	B9	GC	30245	P -70 2861
39	9.5	8.8W	33 59.227	0.0035	12	-63 1 50.69	0.016	12	0.15	59.213	14	45.8	50.76	14	45.8	G5	CD	6424	P -63 4693
40		6.3T	34 4.875	0.0063	06	-65 2 57.76	-0.009	05	0.26	4.611	09	08.4	57.35	07	06.1	A2	GC	30248	P -65 3937
41		8.5T	34 9.083	0.0029	15	-62 28 46.01	-0.046	12	0.64	8.955	21	06.3	43.90	19	04.3	G5	GC	30251	P -62 6248
42	9.7	8.5W	34 24.724	0.0032	06	-64 0 14.33	0.028	06	0.14	24.711	14	45.8	14.45	14	45.8	K0	CD	6427	P -64 4155
43	10.0	8.5W	34 26.258	0.0041	09	-63 34 4.79	-0.012	09	0.15	26.241	14	45.8	4.75	14	45.8	K5	CD	6428	P -63 4694
44	10.0	9.7W	34 41.163	0.0049	13	-63 10 31.03	-0.017	13	0.15	41.143	14	45.8	30.95	14	45.8	A2	CD	6429	P -63 4695
45		9.2	34 58.027	0.0050	33	-66 58 49.16	0.000	43	2.30	57.736	75	92.7	49.17	57	92.7		M3	2761	
46	10.2	9.3W	35 10.722	-0.0006	09	-62 23 30.64	-0.042	09	0.15	10.724	14	45.8	30.47	14	45.8	K0	CD	6431	P -62 6250
47		9.3	35 44.398	0.0042	25	-67 56 43.95	-0.030	36	1.69	44.182	53	98.8	42.40	63	98.8		M4	4642	P -68 3435
48	10.0	9.3W	35 57.867	0.0153	08	-63 19 2.33	-0.090	08	0.14	57.803	14	45.8	1.96	14	45.8	K0	CD	6433	P -63 4696
49	8.4	8.3W	36 20.793	-0.0071	06	-63 1 58.10	-0.010	06	0.14	20.823	14	45.8	58.06	14	45.8	F5	CD	6434	P -63 4697
50		8.9	36 29.359	0.0022	25	-69 36 5.75	0.000	36	1.48	29.257	45	04.8	5.77	53	04.8		M4	4647	P -69 3187
51		8.4	21 37 47.804	0.0111	25	-64 22 23.10	-0.056	36	1.81	47.192	53	94.7	20.01	63	94.7		M4	4651	P -64 4159
52	10.0	8.7W	38 41.680	0.0017	09	-62 55 4.15	-0.002	09	0.15	41.673	14	45.8	4.16	14	45.8	K5	CD	6441	P -63 4699
53	9.9	9.5W	38 49.207	0.0004	06	-60 13 22.35	-0.040	06	0.14	49.193	14	45.8	12.15	14	45.8	G0	CD	6442	P -60 7499
54	9.9	9.8W	39 8.486	0.0021	06	-60 13 47.50	-0.028	06	0.14	8.477	14	45.8	47.39	14	45.8	F0	CD	6443	P -60 7501
55		7.1T	39 25.005	0.0016	12	-68 17 37.28	0.029	12	0.65	24.922	22	99.7	38.68	21	01.0	M0	GC	30372	P -68 3440
56		8.8	39 40.212	0.0023	25	-69 7 41.13	-0.008	36	1.66	40.098	53	99.8	40.75	63	99.8		M4	4657	P -69 3190
57	9.9	8.6W	40 1.194	-0.0001	07	-61 37 59.71	-0.011	07	0.14	1.194	14	45.8	59.67	14	45.8	K5	CD	6445	P -61 6578
58	9.9	8.6W	40 1.563	0.0046	09	-61 53 31.18	-0.003	09	0.15	1.544	14	45.8	31.17	14	45.8	K2	CD	6446	P -62 6258
59		9.4	40 2.320	0.0101	33	-65 40 53.57	0.031	43	2.30	1.739	75	92.7	55.35	57	92.7		M3	2774	
60	8.8	8.4W	40 2.416	-0.0012	07	-63 38 17.12	0.006	07	0.14	2.421	14	45.8	17.15	14	45.8	F5	CD	6447	P -63 4701
61		7.2T	40 28.614	0.0085	10	-62 20 37.28	-0.020	07	0.45	28.235	18	05.1	36.20	17	96.7	F0	GC	30400	P -62 6259
62	8.2	8.2W	41 16.475	0.0001	07	-62 4 44.02	-0.013	07	0.14	16.474	14	45.8	43.97	14	45.8	A5	CD	6452	P -62 6261
63		7.6	41 21.624	-0.0037	25	-67 20 2.80	0.005	36	1.78	21.825	53	95.8	3.06	63	95.8		M4	4662	P -67 3829
64		8.0	41 29.717	0.0052	25	-69 35 39.58	-0.010	36	1.63	29.459	53	00.8	39.10	63	00.8		M4	4665	P -69 3193
65	10.2	9.6W	42 12.204	-0.0127	09	-60 1 28.54	-0.085	09	0.15	12.257	14	45.8	28.19	14	45.8	G0	CD	6455	P -60 7504
66		8.3	42 14.025	-0.0027	25	-68 54 54.84	-0.014	36	1.55	14.152	53	03.5	54.20	63	03.5		M4	4664	P -69 3194
67		7.2T	42 33.242	0.0050	12	-67 49 39.02	-0.033	12	0.65	32.987	22	99.4	37.31	21	98.4	B9	GC	30455	P -68 3444
68		7.0T	42 33.665	0.0061	13	-62 46 50.25	-0.047	68	0.55	33.387	21	04.1	47.73	18	96.3	K0	GC	30457	P -63 4703
69		9.0T	42 42.678	0.0134	16	-62 2 47.92	-0.047	12	0.67	42.075	21	05.2	45.67	19	02.2	G0	GC	30462	P -62 6264
70		8.1T	43 21.918	0.0010	14	-62 26 50.46	0.010	11	0.61	21.877	21	07.0	50.93	19	02.5	F2	GC	30469	P -62 6265
71		9.0	43 46.176	-0.0158	25	-65 17 34.25	-0.007	36	1.50	46.882	53	06.5	33.93	63	05.5		M4	4670	P -65 3949
72	9.4	9.3W	43 52.415	0.0029	07	-63 8 19.03	-0.017	07	0.14	52.403	14	45.8	18.96	14	45.8	A3	CD	6461	P -63 4705
73	9.2	8.6W	43 57.151	0.0096	07	-64 9 23.75	0.024	07	0.14	57.111	14	45.8	23.85	14	45.8	G5	CD	6462	P -64 4167
74	10.1	9.1W	44 29.749	0.0008	07	-60 47 8.56	0.007	07	0.14	29.746	14	45.8	8.59	14	45.8	K0	CD	6463	P -61 6586
75		9.4T	44 45.050	0.0021	14	-61 4 3.08	-0.006	12	0.70	44.947	22	01.6	2.77	22	99.2	G5	GC	30505	P -61 6587
76		7.0T	44 49.193	-0.0026	13	-65 44 9.47	-0.016	13	0.63	49.311	18	04.2	8.75	17	04.6	F2	GC	30510K	P*-66 3586
77	9.4	9.4W	45 42.142	-0.0008	09	-60 33 55.69	-0.001	09	0.15	42.145	14	45.8	55.69	14	45.8	A3	CD	6468	P -60 7506
78	8.9	8.6W	45 52.145	-0.0021	07	-61 41 48.66	0.002	07	0.14	52.154	14	45.8	48.67	14	45.8	G0	CD	6469	P -62 6269
79	9.9	9.4W	45 54.020	0.0089	06	-63 10 3.58	-0.052	06	0.14	53.983	14	45.8	3.36	14	45.8	G0	CD	6470	P -63 4708
80		5.6T	46 8.991	0.0014	09	-64 56 43.34	-0.016	07	0.34	8.936	12	11.3	42.65	12	06.7	K0	GC	30531	P -65 3951
81	9.6	9.5W	46 12.812	0.0049	07	-63 32 46.89	-0.011	07	0.14	12.791	14	45.8	46.85	14	45.8	A0	CD	6471	P -63 4709
82	8.3	8.4W	46 13.302	0.0035	06	-60 17 21.90	-0.021	06	0.14	13.287	14	45.8	21.99	14	45.8	A0	CD	6472	P -60 7508
83	9.6	8.1W	46 13.389	0.0004	06	-60 5 55.85	-0.014	06	0.14	13.387	14	45.8	55.79	14	45.8	K2	CD	6473	P -60 7509
84	8.6	8.0W	46 16.465	0.0029	06	-63 6 24.71	-0.014	06	0.14	16.453	14	45.8	24.66	14	45.8	G0	CD	6474	P -63 4710
85	10.3	9.2W	46 22.054	0.0146	09	-62 49 12.74	-0.019	09	0.15	21.993	14	45.8	12.66	14	45.8	K0	CD	6475	P -63 4712
86	9.2	8.8W	46 33.901	-0.0016	06	-60 15 11.29	0.023	06	0.14	33.907	14	45.8	11.39	14	45.8	G5	CD	6477	P -60 7510
87		5.5H	46 35.522	-0.0041	03	-69 51 48.68	-0.004	03	0.11	35.663	05	16.0	48.55	05	16.4	K2	F4	820	P -70 2873
88		8.4	46 35.705	0.0083	25	-68 19 5.62	-0.010	36	1.63	35.296	53	00.8	5.14	63	00.8		M4	4683	P -68 3447
89		9.3	46 41.455	0.0073	25	-67 29 18.50	-0.039	36	1.66	41.089	53	99.8	16.52	63	99.8		M4	4684	P -67 3837
90		8.3	46 50.651	-0.0087	25	-68 43 20.66	-0.026	36	1.37	51.002	53	09.8	19.63	63	09.8		M4	4685	P -69 3199
91	9.5	9.3W	47 1.556	0.0080	07	-63 0 42.48	-0.029	07	0.14	1.523	14	45.8	42.36	14	45.8	F5	CD	6478	P -63 4713
92	9.7	9.1W	47 29.418	0.0150	11	-60 57 32.37	-0.044	11	0.15	29.356	14	45.8	32.19	14	45.8	G5	CD	6483	P -61 6591
93		7.2T	48 27.769	0.0064	12	-62 17 11.63	-0.111	12	0.65	27.472	21	03.3	5.58	18	95.6	F8	GC	30582	P -62 6271
94		8.9	49 36.643	0.0043	25	-64 57 18.65	-0.057	36	1.80	36.404	53	94.8	15.48	63	94.8		M4	4697	P -65 3959
95	9.0	8.8W	50 14.546	0.0049	07	-61 6 46.24	-0.012	07	0.14	14.526	14	45.8	46.19	14	45.8	A3	CD	6490	P -61 6594
96		8.5	50 14.573	0.0092	25	-68 12 31.31	-0.024	36	1.60	14.108	36	99.8	30.09	45	99.8		M4	4699	P -68 3449
97		8.0T	50 15.367	0.0040	13	-63 20 24.17	-0.012	11	0.59	15.188	19	04.9	23.57	18	00.3	A0	GC	30624	P -63 4721
98		8.8	50 42.563	-0.0059	25	-66 36 57.79	0.001	36	1.78	42.881	53	95.7	57.84	63	95.7		M4	4700	P -66 3597
99		9.0	50 58.595	0.0042	25	-67 8 18.60	-0.021	36	1.44	58.411	36	05.8	17.66	53	05.6		M4	4703	P -67 3844
00		9.0T	51 5.862	-0.0308	18	-69 15 13.89	-0.222	22	0.94	7.259	19	04.7	3.96	19	05.2	G5	GC	30644	P -69 3204

255100

EPOCH 1950												ORIGINAL EPOCH						SP.	SOURCE		-60° 21H
NUMBER	MAGNITUDES		α_{1950}		μ	σ_μ	δ_{1950}		μ'	σ'_μ	σ_{1950}	α_2	σ	ep.	δ_2	σ'	ep.		CAT.	STAR NUMBER	DM NUMBER
	m_{pg}	m_v	h	m s	s	″.001	°	′ ″	″	″.001	″	s	″.01		″	″.01					
1		5.9T	21	51 31.414	0.0080	11	-62	7 20.35	-0.081	07	0.51	31.011	19	00.0	15.86	18	94.7	FO	GC	30654K	F*-62 6277
2	9.6	8.6W		51 42.903	-0.0000	07	-63	26 56.37	-0.027	07	0.14	42.903	14	45.8	56.26	14	45.8	K0	CD	6494	F -63 4725
3		8.5		51 51.727	0.0072	25	-66	23 39.55	-0.062	36	1.76	51.342	53	96.4	36.22	63	96.4		M4	4755	F -66 3599
4		8.0T		52 34.637	0.0057	12	-60	28 0.34	0.019	12	0.59	34.372	19	03.2	1.24	19	02.5	F2	GC	30674	F -60 7524
5	10.1	8.6W		52 49.002	0.0050	09	-63	32 32.16	-0.050	09	0.15	48.981	14	45.8	31.95	14	45.8	K0	CD	6498	F -63 4726
6	8.5	8.6W		52 57.132	0.0014	07	-61	23 2.20	-0.002	07	0.14	57.126	14	45.8	2.19	14	45.8	A0	CD	6500	F -61 6598
7		7.3T		53 17.681	0.0028	11	-62	5 1.43	-0.033	09	0.53	17.547	21	03.2	-59.73	18	98.7	A0	GC	30695	F -62 6281
8	10.1	10.1W		53 21.417	0.0027	09	-61	19 26.07	-0.003	09	0.15	21.406	14	45.8	26.09	14	45.8	F5	O CD	6502	F -61 6599
9		8.0		53 53.579	0.0023	25	-67	21 46.17	-0.057	36	1.37	53.484	45	08.5	43.79	53	08.5		M4	4712	F -67 3847
10		8.6		54 6.338	0.0193	25	-64	50 14.95	-0.066	36	1.79	5.271	53	94.8	11.29	53	94.8		M4	4714	F -65 3976
11	10.1	9.1W		54 31.157	0.0004	11	-61	7 42.34	-0.013	11	0.15	31.156	14	45.8	42.29	14	45.8	K0	CD	6506	F -61 6602
12		9.3		54 31.312	-0.0138	33	-66	57 19.95	0.016	43	2.30	32.105	75	92.7	20.86	57	92.7		M3	2803	
13	10.1	8.6W		54 40.568	0.0037	07	-62	56 58.85	0.002	07	0.14	40.553	14	45.8	58.86	14	45.8	K5	CD	6507	F -63 4732
14	9.8	9.2W		54 57.273	0.0014	07	-60	8 10.16	-0.017	07	0.14	57.267	14	45.8	10.09	14	45.8	G0	CD	6508	F -60 7527
15		8.2		55 19.612	0.0042	25	-66	19 22.95	-0.032	36	1.44	19.426	36	05.3	21.51	45	05.5		M4	4720	F -66 3604
16		7.7T		55 35.230	-0.0007	12	-60	50 48.77	-0.011	11	0.57	35.260	19	05.6	48.25	19	03.8	F2	GC	30740	F -61 6604
17	8.2	8.2W		55 37.168	-0.0011	06	-62	42 59.90	0.037	06	0.14	37.173	14	45.8	+ 0.06	14	45.8	A3	CD	6511	F -63 4736
18	10.5	8.9W		55 38.323	0.0041	09	-61	27 12.70	-0.004	09	0.15	38.306	14	45.8	12.69	14	45.8	K2	CD	6512	F -61 6605
19	9.1	8.8W		55 40.556	0.0052	07	-61	46 40.55	-0.019	07	0.14	40.534	14	45.8	40.47	14	45.8	F2	CD	6513	F -62 6285
20		8.6		55 54.664	0.0073	25	-64	50 48.15	-0.008	36	1.78	54.260	45	94.8	47.70	53	94.8		M4	4722	F -65 3981
21		8.8		55 58.532	0.0073	33	-69	3 19.89	-0.049	43	2.26	58.124	75	93.8	17.15	57	93.8		M3	2807	
22		9.1		56 8.588	0.0092	25	-68	8 18.05	0.005	36	1.47	8.175	45	05.3	18.26	53	05.3		M4	4723	F -68 3454
23		7.6T		56 17.187	0.0050	13	-61	0 16.29	-0.001	12	0.61	16.957	21	04.3	16.23	19	02.4	K2	GC	30754	F -61 6607
24		8.4T		56 29.478	0.0069	14	-62	21 4.72	-0.028	11	0.58	29.190	19	07.9	3.42	18	03.9	F0	GC	30760	F -62 6286
25	9.4	7.7W		56 44.122	0.0027	06	-63	40 17.08	0.016	06	0.14	44.111	14	45.8	17.15	14	45.8	K2	CD	6517	F -64 4194
26		8.7		56 54.184	0.0001	25	-66	3 6.63	0.001	36	1.43	54.178	53	07.8	6.68	63	07.8		M4	4726	F -66 3606
27	10.0	9.1W		57 4.432	0.0014	09	-60	53 29.10	-0.002	09	0.15	4.426	14	45.8	29.09	14	45.8	K0	CD	6518	F -61 6609
28		8.6		57 57.649	-0.0007	25	-69	14 45.65	-0.018	36	1.61	57.683	53	01.4	44.79	63	01.4		M4	4730	F -69 3210
29	10.4	9.5W		57 58.732	0.0025	09	-63	36 6.95	-0.025	09	0.15	58.721	14	45.8	6.85	14	45.8	G5	CD	6520	F -63 4738
30		7.4T		58 20.095	0.0092	12	-65	28 46.53	-0.062	10	0.58	19.662	19	02.7	43.39	18	99.6	K0	GC	30792	F -65 3985
31	10.6	9.3W		58 53.849	0.0035	09	-62	17 24.05	-0.019	09	0.15	53.834	14	45.8	23.97	14	45.8	K2	O CD	6523	F -62 6291
32	8.5	8.2W		59 58.881	0.0056	07	-60	24 33.89	-0.024	07	0.14	58.857	14	45.8	33.79	14	45.8	A0	CD	6527	F -60 7537
33	9.4	8.4W		59 58.945	-0.0013	07	-63	45 53.30	-0.013	07	0.14	58.951	14	45.8	53.25	14	45.8	G5	CD	6528	F -64 4203
34	8.3	7.9W	22	0 9.646	0.0169	07	-60	40 47.02	-0.007	07	0.14	9.576	14	45.8	46.99	14	45.8	G0	CD	6529	F -61 6613
35	10.1	9.6W		0 17.714	0.0003	09	-63	11 45.88	0.018	09	0.15	17.713	14	45.8	45.96	14	45.8	G0	CD	6530	F -63 4744
36	10.2	8.6W		0 24.832	0.0039	07	-61	5 23.35	0.008	07	0.14	24.816	14	45.8	23.39	14	45.8	K5	CD	6532	F -61 6615
37	8.8	7.9W		0 42.498	0.0105	07	-62	6 53.64	-0.016	07	0.14	42.454	14	45.8	53.57	14	45.8	K0	CD	6533	F -62 6294
38		7.3T		0 54.758	0.0039	11	-64	58 14.01	-0.069	10	0.56	54.560	18	99.9	10.45	18	98.3	A2	GC	30847	F -65 3989
39	10.1	9.0W		1 12.827	0.0003	07	-60	42 27.35	0.009	07	0.14	12.826	14	45.8	27.39	14	45.8	K0	CD	6534	F -61 6616
40	9.4	8.5W		1 52.599	0.0039	06	-63	29 43.10	0.012	06	0.14	52.583	14	45.8	43.16	14	45.8	G5	CD	6537	F -63 4747
41	9.8	8.7W		2 18.272	-0.0046	07	-63	21 32.14	-0.021	07	0.14	18.253	14	45.8	32.06	14	45.8	K0	CD	6538	F -63 4748
42		7.5T		2 18.436	-0.0013	12	-65	54 42.44	-0.028	11	0.62	18.502	19	98.6	40.93	19	95.6	G5	GC	30875	F -66 3615
43		7.5T		2 25.464	0.0096	12	-68	59 6.48	-0.050	11	0.62	24.996	21	01.4	3.80	19	96.0	A0	GC	30881	F -69 3214
44	9.9	9.8W		2 27.587	0.0008	07	-61	40 53.75	0.027	07	0.14	27.584	14	45.8	53.87	14	45.8	A0	CD	6539	F -62 6299
45		9.2		3 36.832	0.0063	25	-69	47 19.98	-0.011	36	1.66	36.517	53	99.8	19.45	63	99.8		M4	4741	F -70 2898
46		7.2T		3 38.932	-0.0373	13	-68	16 1.47	-0.037	14	0.67	40.683	24	03.0	-59.80	21	05.4	G0	GC	30911	F -68 3460
47	10.2	9.5W		3 46.394	0.0144	15	-61	47 15.23	-0.038	15	0.15	46.334	14	45.8	15.07	14	45.8	G5	CD	6542	F -62 6301
48		8.0		4 2.474	-0.0018	25	-65	20 49.33	-0.044	36	1.80	2.576	53	94.8	46.89	63	94.8		M4	4743	F -65 3996
49		8.1		4 20.982	0.0022	25	-66	44 33.53	-0.065	36	1.77	20.865	53	95.8	30.01	63	95.8		M4	4744	F -67 3859
50	10.9	10.2W		4 28.317	0.0006	21	-61	46 15.57	0.025	21	0.17	28.314	14	45.8	15.67	14	45.8	K0	O CD	6543	F -62 6303
51		7.7T	22	4 38.714	0.0020	16	-63	45 0.34	-0.018	12	0.67	38.623	21	05.4	-59.47	19	02.9	F2	GC	30931	F -64 4213
52	8.6	8.3W		4 39.286	0.0243	07	-61	53 0.87	-0.119	07	0.14	39.184	14	45.8	0.37	14	45.8	F8	CD	6545	F -62 6304
53		9.2		4 53.913	0.0013	25	-67	22 23.68	-0.015	36	1.60	53.851	53	01.8	22.94	63	01.8		M4	4745	F -67 3862
54		7.6T		5 18.328	-0.0019	13	-64	8 4.88	-0.012	12	0.62	18.421	19	02.8	4.29	19	02.9	K2	GC	30949	F -64 4214
55	10.4			5 22.062	-0.0004	11	-61	59 27.04	-0.017	11	0.15	22.064	14	45.8	26.97	14	45.8	A2	O CD	6551	F -62 6306
56	11.0	9.7W		5 30.546	0.0077	20	-61	57 23.62	0.011	20	0.16	30.514	14	45.8	23.67	14	45.8	K	O CD	6552	F -62 6307
57		8.9		5 35.937	0.0072	25	-68	9 48.80	-0.019	36	1.53	35.598	45	03.2	47.90	53	03.2		M4	4748	F -68 3463
58		9.0		6 11.313	0.0022	25	-65	29 11.34	-0.016	36	1.54	11.213	53	03.8	10.60	63	03.8		M4	4751	F -65 4000
59	9.4	9.1W		6 33.837	0.0013	07	-63	58 7.46	-0.004	07	0.14	33.831	14	45.8	7.45	14	45.8	F5	CD	6553	F -64 4217
60		6.8T		6 45.975	0.0222	12	-68	34 28.95	-0.054	10	0.61	44.844	22	99.1	26.15	19	97.8	K0	GC	30988	F -68 3465
61		9.0		6 49.294	0.0103	33	-69	47 22.47	-0.015	43	2.30	48.737	75	92.8	21.63	57	92.8		M3	2831	
62	9.9	8.9W		7 12.014	0.0032	11	-63	48 56.81	-0.015	11	0.15	12.001	14	45.8	56.75	14	45.8	K0	CD	6557	F -64 4221
63	8.3	7.8W		7 15.085	0.0172	11	-63	20 44.81	-0.014	11	0.15	15.013	14	45.8	44.76	14	45.8	G0	CD	6558	F -63 4756
64	9.4	9.6W		7 35.435	0.0047	07	-60	55 6.37	0.029	07	0.14	35.416	14	45.8	6.49	14	45.8	F0	CD	6560	F -61 6621
65	9.3	7.6W		7 46.216	0.0012	07	-64	15 39.96	0.045	07	0.14	46.211	14	45.8	40.15	14	45.8	MA	CD	6561	F -64 4223
66	8.0	7.9W		7 47.398	0.0054	06	-60	47 40.45	0.008	06	0.14	47.376	14	45.8	40.49	14	45.8	F2	CD	6562	F -61 6622
67	10.2	8.8W		7 51.194	-0.0000	09	-61	32 18.34	-0.016	09	0.15	51.194	14	45.8	18.27	14	45.8	K5	CD	6563	F -61 6623
68		8.2		8 50.063	0.0173	33	-64	50 37.70	-0.070	43	2.26	49.088	75	93.7	33.75	57	93.7		M3	2837	
69	10.7	10.0W		9 8.617	0.0050	09	-61	5 12.40	-0.002	09	0.15	8.596	14	45.8	12.39	14	45.8	G5	O CD	6567	F -61 6625
70	10.4	9.4W		9 27.372	0.0043	12	-62	3 27.56	0.001	12	0.15	27.354	14	45.8	27.57	14	45.8	K0	CD	6568	F -62 6310
71	9.3	9.0W		9 28.640	-0.0011	07	-62	13 44.27	-0.001	07	0.14	28.644	14	45.8	44.27	14	45.8	G0	CD	6569	F -62 6311
72		9.0		9 31.357	0.0101	25	-65	55 8.27	-0.062	36	1.80	30.798	53	94.8	4.86	63	94.8		M4	4765	F -66 3637
73	9.4	9.3W		9 33.692	0.0037	09	-61	26 57.32	-0.032	09	0.15	33.676	14	45.8	57.19	14	45.8	F0	CD	6571	F -61 6626
74		8.0		9 51.994	-0.0108	25	-67	1 50.68	-0.019	36	1.57	52.516	45	01.8	49.76	53	01.8		M4	4767	F -67 3867
75		6.8T		9 52.993	0.0058	12	-68	22 28.15	-0.008	12	0.63	52.702	19	00.2	27.72	19	97.8	K2	GC	31068	F -68 3470
76	10.8	9.3W		10 10.408	0.0011	09	-61	43 34.04	0.007	09	0.15	10.404	14	45.8	34.07	14	45.8	K5	O CD	6573	F -62 6313
77	10.4	9.4W		10 19.097	0.0059	09	-62	31 43.32	-0.040	09	0.15	19.073	14	45.8	43.16	14	45.8	G5	CD	6574	F -62 6314
78		8.3T		10 27.659	0.0035	12	-61	41 48.68	0.018	11	0.52	27.512	18	08.4	49.48	18	04.9	K5	GC	31078	F -62 6315
79	10.2	9.1W		10 58.851	0.0057	09	-60	20 1.54	0.012	09	0.15	58.827	14	45.8	1.59	14	45.8	K0	CD	6577	F -60 7554
80	10.0	9.6W		12 9.051	0.0067	07	-61	3 29.37	0.005	07	0.14	9.026	14	46.3	29.39	14	46.3	G0	CD	6580	F -61 6629
81	10.0	9.6W		12 15.812	0.0123	09	-61	24 33.16	-0.048	09	0.14	15.766	14	46.3	32.99	14	46.3	G5	CD	6582	F -61 6631
82		8.6		12 46.107	0.0042	25	-68	35 47.97	-0.071	36	1.77	45.877	53	95.8	44.14	63	95.8		M4	4774	F -68 3475
83		7.2T		12 55.523	0.0077	12	-63	35 14.14	-0.055	09	0.56	55.152	21	02.0	11.30	18	98.8	F5	GC	31131	F -63 4765
84		8.1		14 8.151	0.0072	25	-65	16 14.33	-0.101	36	1.77	7.714	53	95.8	8.85	63	95.8		M4	4776	F -65 4016
85	10.1	9.8W		14 15.431	-0.0059	09	-62	36 58.55	-0.024	09	0.14	15.453	14	46.3	58.46	14	46.3	F8	O CD	6585	F -62 6321
86	10.2	9.2W		14 27.611	0.0040	09	-60	32 32.71	-0.060	09	0.14	27.596	14	46.3	32.49	14	46.3	G5	CD	6586	F -60 7556
87		7.1T		14 31.197	0.0027	11	-63	3 42.83	-0.009	10	0.56	31.070	18	02.2	42.37	17	99.2	F5	GC	31164K	F*-63 4769
88	9.6	8.6W		14 37.717	0.0006	07	-61	48 53.62	0.013	07	0.14	37.715	14	46.3	53.67	14	46.3	K0	CD	6588	F -62 6322
89	9.0	8.5W		14 42.099	-0.0308	07	-63	15 19.67	-0.003	07	0.14	42.213	14	46.3	19.66	14	46.3	G0	CD	6589	F*-63 4771
90	10.5	8.9W		14 54.536	0.0063	09	-62	40 35.38	-0.062	09	0.14	54.513	14	46.3	35.16	14	46.3	MA	CD	6590	F -63 4772
91		10.0T		14 58.918	0.0042	12	-60	5 18.30	-0.019	10	0.59	58.708	22	00.6	17.27	21	96.3		GC	31177	F -60 7560
92		7.1T		15 1.968	0.0060	12	-68	33 40.65	-0.188	11	0.65	1.661	21	99.0	30.76	19	97.3	G5	GC	31179K	F -68 3481
93		2.9H		15 5.690	-0.0080	02	-60	30 35.03	-0.039	02	0.09	5.989	05	12.4	33.61	04	13.3	K2	F4	841	F -60 7561
94		9.7T		15 54.481	0.0092	12	-60	22 9.14	-0.029	11	0.62	54.038	22	01.6	7.65	22	98.9	K2	GC	31198	F -60 7562
95	9.0	8.2W		16 3.125	0.0052	07	-61	3 1.77	-0.022	07	0.14	3.106	14	46.3	1.69	14	46.3	G0	CD	6598	F -61 6639
96	9.1	8.8W		16 4.640	0.0064	07	-61	2 37.79	-0.000	07	0.14	4.616	14	46.3	37.79	14	46.3	G0	CD	6599	F -61 6640
97	8.5	8.2W		16 10.247	-0.0012	06	-63	31 6.02	0.034	06	0.14	10.251	14	46.3	6.15	14	46.3	F5	CD	6600	F -63 4779
98		7.7		16 20.124	0.0052	25	-67	8 10.85	-0.028	36	1.80	19.839	53	94.8	9.30	63	94.8		M4	4783	F -67 3882
99	9.8	8.7W		16 29.670	0.0049	06	-63	52 46.60	0.014	06	0.14	29.651	14	46.3	46.65	14	46.3	K0	CD	6602	F -64 4236
00	10.2	9.2W		16 41.335	0.0053	09	-61	16 26.73	-0.039	09	0.14	41.316	14	46.3	26.59	14	46.3	K0	CD	6603	F -61 6642

255200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-60° 22H DM NUMBER
1		9.0	22 16 55.344	0.0002	25	-65 29 7.03	-0.045	36	1.40	55.337	53	08.7	5.16	63	08.7		M4	4784	P -65 4022
2		8.8	17 11.322	-0.0028	25	-68 34 52.75	0.010	36	1.69	11.463	53	98.8	53.28	63	98.8		M4	4785	P -68 3484
3	10.2	9.2W	17 22.946	0.0031	07	-61 55 21.85	0.003	07	0.14	22.935	14	46.3	21.87	14	46.3	G5	C0	6607	P -62 6330
4		8.0T	17 31.676	0.0030	13	-60 40 57.70	-0.005	11	0.54	31.552	17	09.0	57.46	17	04.0	A0	GC	31222	P -61 6644
5		6.7T	17 33.962	0.0234	14	-62 47 58.69	-0.041	11	0.61	32.953	21	06.8	56.72	19	02.0	G0	GC	31224	P -63 4782
6		8.4	18 19.724	0.0013	25	-67 20 11.35	-0.020	36	1.80	19.653	53	94.8	10.22	63	94.8		M4	4788	P -67 3886
7		8.1T	18 20.402	0.0022	12	-60 12 0.39	-0.001	11	0.54	20.303	18	05.8	0.43	18	04.6	K2	GC	31237	P -60 7564
8	9.6	9.0W	18 52.660	-0.0124	07	-60 45 28.89	-0.165	07	0.14	52.706	14	46.3	28.29	14	46.3	G5	C0	6614	P -61 6646
9	10.0	9.0W	19 26.199	0.0043	07	-62 51 28.03	0.008	07	0.14	26.183	14	46.3	28.06	14	46.3	K0	C0	6615	P -63 4784
10		7.8	20 21.494	-0.0019	33	-65 36 26.29	0.001	43	2.26	21.600	75	93.8	26.35	57	93.8		M3	2864	
11	8.0	8.1W	20 48.968	0.0014	11	-63 24 35.49	0.017	11	0.15	48.963	14	46.3	35.56	14	46.3	A2	C0	6619	P -63 4787
12	10.0	8.9W	20 49.398	0.0061	06	-60 56 20.34	-0.014	06	0.14	49.376	14	46.3	20.29	14	46.3	K0	C0	6620	P -61 6649
13	9.8	9.5W	21 1.981	-0.0002	12	-63 55 18.85	0.001	12	0.15	1.981	14	46.3	18.85	14	46.3	A2	C0	6621	P -64 4249
14		7.2T	21 4.824	0.0033	12	-65 52 33.22	-0.035	11	0.64	4.651	19	97.8	31.35	19	96.3	A0	GC	31295	P -66 3661
15		8.8	22 5.326	-0.0137	25	-68 49 7.96	-0.037	36	1.78	6.071	53	95.6	5.98	63	95.8		M4	4801	P -69 3237
16	9.6	9.2W	22 9.068	0.0059	07	-61 6 7.96	-0.021	07	0.14	9.046	14	46.3	7.89	14	46.3	F8	C0	6623	P -61 6652
17	10.5	10.2W	22 17.910	0.0123	09	-62 1 47.11	-0.012	09	0.14	17.865	14	46.3	47.07	14	46.3	F8	C0	6624	P -62 6334
18		8.0T	23 9.310	0.0015	12	-62 47 38.47	-0.017	11	0.52	9.246	18	08.6	37.70	18	04.7	K2	GC	31336	P -63 4789
19		8.3	23 27.750	-0.0187	25	-69 57 35.99	-0.016	36	1.76	28.758	53	96.1	35.15	63	96.1		M4	4802	P -70 2930
20	9.6	8.7W	23 37.349	-0.0092	07	-62 46 50.82	0.065	07	0.14	37.383	14	46.3	51.06	14	46.3	G5	C0	6627	P -63 4791
21		9.3Q	23 46.841	0.0116	14	-65 13 17.60	-0.016	12	0.70	46.264	27	00.4	16.77	24	99.2		GC	31345K	P -65 4044
22		4.8T	23 48.047	0.0124	03	-65 13 18.17	0.005	03	0.16	47.506	07	06.5	18.38	07	04.6	B9	GC	31346K	P*-65 4044
23	9.9	9.1W	23 52.181	0.0027	07	-63 56 34.31	-0.018	07	0.14	52.171	14	46.3	34.25	14	46.3	K0	C0	6629	P -64 4256
24	9.5	9.0W	23 57.041	0.0026	07	-63 52 47.62	0.034	07	0.14	57.031	14	46.3	47.75	14	46.3	G0	C0	6630	P -64 4257
25	9.9	9.4W	24 0.317	0.0017	07	-63 57 14.68	-0.062	07	0.14	31.348	14	46.3	14.45	14	46.3	F8	C0	6632	P -64 4262
26	10.5	9.5W	24 50.071	0.0044	09	-61 47 4.46	-0.024	09	0.14	50.055	14	46.3	4.37	14	46.3	K0	C0	6634	P -62 6338
27		5.7H	24 58.429	0.0278	03	-67 44 37.79	-0.069	04	0.14	57.533	07	17.8	35.69	07	19.4	A3	F4	1587	P -68 3493
28		8.3	25 33.618	-0.0087	33	-69 41 35.28	0.036	43	2.30	34.119	75	92.7	37.36	57	92.7		M3	2873	
29		7.0T	25 36.136	-0.0019	10	-60 18 35.40	0.011	08	0.47	36.223	18	03.1	35.97	15	97.4	K0	GC	31382	P -60 7567
30		9.0	25 54.397	-0.0018	25	-66 28 46.18	-0.026	36	1.46	54.475	53	96.8	45.06	63	96.8		M4	4811	P -66 3670
31	9.2	8.8W	25 59.796	0.0122	13	-63 39 44.46	-0.079	13	0.15	59.751	14	46.3	44.75	14	46.3	F5	C0	6637	P -64 4266
32		9.2	26 13.695	0.0073	25	-68 23 59.47	-0.040	36	1.67	13.325	53	99.4	57.46	63	99.4		M4	4812	P -68 3496
33	10.1	10.0W	26 30.988	-0.0044	07	-61 50 54.87	-0.083	07	0.14	31.005	14	46.3	54.57	14	46.3	G0	C0	6639	P -62 6340
34		8.6	26 50.373	-0.0039	25	-66 38 54.30	-0.044	36	1.78	50.582	53	95.8	51.90	63	95.8		M4	4814	P -67 3899
35	8.8	7.7W	26 54.500	-0.0008	07	-62 32 20.19	0.018	07	0.14	54.503	14	46.3	20.26	14	46.3	K0	C0	6640	P -62 6341
36		8.1T	27 13.288	0.0108	13	-67 33 40.91	0.011	12	0.65	12.757	22	00.9	41.42	21	02.0	F2	GC	31418	P -67 3900
37	10.5	9.6W	27 16.402	0.0052	09	-62 42 39.74	0.006	09	0.14	16.383	14	46.3	39.76	14	46.3	G5	C0	6641	P -63 4797
38	10.7	10.1W	27 28.124	0.0076	07	-60 42 17.34	0.041	07	0.14	28.096	14	46.3	17.49	14	46.3	G5	C0	6642	P -61 6654
39		9.0	27 34.222	0.0033	25	-68 56 14.00	0.018	36	1.76	34.043	45	95.2	15.01	53	95.2		M4	4817	P -69 3241
40		9.2	27 52.194	0.0073	25	-69 15 56.88	-0.053	36	1.66	51.827	53	99.8	54.24	63	99.8		M4	4819	P -69 3242
41		7.2T	28 26.904	0.0231	12	-69 21 53.50	-0.016	11	0.64	25.725	22	98.9	52.64	19	95.1	F2	GC	31453	P -69 3243
42		9.0	28 36.206	-0.0028	25	-66 24 56.70	-0.116	36	1.77	36.359	53	95.8	50.40	63	95.8		M4	4822	P -66 3678
43		8.9	28 48.436	-0.0037	25	-67 19 27.32	0.011	36	1.64	48.624	45	99.4	27.86	53	99.4		M4	4824	P -67 3904
44	10.2	9.2W	29 8.694	-0.0077	07	-62 59 38.07	-0.057	07	0.14	8.723	14	46.3	37.86	14	46.3	K0	C0	6648	P -63 4801
45	9.2	9.0W	29 13.962	-0.0007	07	-62 20 52.16	0.002	07	0.14	13.965	14	46.3	52.17	14	46.3	F5	C0	6649	P -62 6346
46	10.1	9.7W	29 30.852	0.0002	07	-64 14 8.55	0.026	07	0.14	30.851	14	46.3	8.65	14	46.3	G0	C0	6650	P -64 4271
47		4.9T	29 38.365	0.0060	05	-62 14 23.27	-0.024	05	0.25	38.101	09	05.6	22.12	09	02.5	M8	GC	31478	P*-62 6348
48		7.1T	29 52.721	0.0010	10	-60 41 28.70	0.049	09	0.50	52.670	18	01.1	31.27	17	97.3	G5	GC	31480	P -61 6656
49	10.2	8.7W	29 57.049	0.0058	06	-60 16 18.48	0.003	06	0.14	57.027	14	46.3	18.49	14	46.3	K5	C0	6654	P -60 7573
50		9.2	29 58.284	-0.0048	25	-66 43 20.67	-0.062	36	1.76	58.544	53	96.4	17.35	63	96.4		M4	4829	P -67 3906
51		8.5T	22 30 1.544	0.0018	09	-61 4 30.94	0.007	08	0.45	1.454	18	00.4	31.32	17	99.2	G0	GC	31482K	P*-61 6657
52		7.5T	30 5.770	0.0117	13	-63 43 47.72	0.007	11	0.59	5.251	21	05.6	48.07	19	02.1	K0	GC	31484	P -64 4273
53	8.7	8.0W	30 6.476	0.0001	25	-60 14 59.98	0.006	05	0.14	6.476	14	46.8	59.99	14	46.8	G5	C0	6657	P -60 7574
54		9.2	30 35.609	0.0082	25	-68 27 35.92	0.024	36	1.80	35.158	53	94.8	37.26	63	94.8		M4	4830	P -68 3507
55	8.3	8.4W	30 43.990	0.0044	06	-60 24 5.73	-0.011	06	0.14	43.976	14	46.8	5.69	14	46.8	A0	C0	6659	P -60 7575
56	10.1	9.1W	31 23.040	0.0015	09	-61 23 0.46	0.010	09	0.14	23.035	14	46.8	0.50	14	46.8	G5	C0	6661	P -61 6658
57	11.3		31 47.282	0.0023	07	-61 12 29.54	0.018	07	0.14	47.275	14	46.8	29.60	14	46.8	K0	C0	6663	P -61 6660
58	8.6	7.9W	32 5.758	0.0076	06	-61 54 1.11	-0.042	06	0.14	5.733	14	46.8	0.98	14	46.8	G5	C0	6665	P -62 6352
59	10.3	10.3W	32 23.421	0.0096	12	-64 7 6.91	-0.046	12	0.15	23.390	14	46.8	6.76	14	46.8	G0	C0	6666	P -64 4277
60	10.3	10.0W	32 34.546	0.0034	09	-61 20 19.36	0.011	09	0.14	34.535	14	46.8	19.40	14	46.8	G0	C0	6667	P -61 6661
61	8.4	8.0W	32 41.039	-0.0139	06	-60 7 20.78	-0.083	06	0.14	41.086	14	46.6	20.50	14	46.6	G0	C0	7120	P -60 7577
62	9.4	9.2W	33 5.181	0.0054	06	-62 3 51.19	0.028	06	0.14	5.163	14	46.8	51.28	14	46.8	A5	C0	6669	P -62 6353
63		9.8T	33 30.630	0.0025	12	-61 15 47.06	-0.004	10	0.59	30.530	22	00.6	46.87	21	96.3	K5	GC	31546	P -61 6662
64	9.7	8.6W	33 44.304	0.0045	07	-64 4 32.85	-0.028	07	0.14	44.290	14	46.8	32.76	14	46.8	K2	C0	6671	P -64 4281
65		7.7	34 4.918	0.0020	25	-65 49 33.42	-0.010	36	1.80	4.809	53	94.8	32.88	63	94.8		M4	4840	P -66 3686
66	9.0	8.8W	34 35.312	0.0050	06	-60 21 16.62	-0.009	06	0.14	35.296	14	46.8	16.59	14	46.8	F8	C0	6676	P -60 7580
67	10.9	10.5W	35 12.988	0.0006	13	-60 26 2.41	-0.006	13	0.15	12.986	14	46.8	2.40	14	46.8	G2	C0	6680	P -60 7582
68	10.3	9.9W	35 13.817	0.0055	07	-63 49 57.63	-0.022	07	0.14	13.801	14	46.8	57.56	14	46.8	G5	C0	6681	P -64 4283
69	9.3	8.0W	35 14.347	0.0036	06	-60 14 40.92	-0.009	06	0.14	14.336	14	46.8	40.90	14	46.8	K0	C0	6682	P -60 7583
70	10.3	9.9W	35 35.703	0.0026	11	-60 54 46.15	0.015	11	0.14	35.695	14	46.8	46.20	14	46.8	F6	C0	6683	P -61 6666
71	10.3	10.1W	35 47.738	0.0067	11	-60 19 45.38	0.006	11	0.14	47.716	14	46.8	45.40	14	46.8	F8	C0	6684	P -60 7585
72		7.0T	35 57.338	0.0213	14	-68 19 14.34	-0.014	14	0.74	56.283	21	00.4	13.63	21	00.1	K0	GC	31596	P -68 3516
73	10.4	9.9W	36 9.958	0.0069	07	-60 7 54.16	-0.063	07	0.14	9.936	14	46.8	53.89	14	46.8	G5	C0	6685	P -60 7586
74	10.9		36 42.771	0.0088	13	-61 31 21.28	-0.032	13	0.15	42.743	14	46.8	21.18	14	46.8	F0	C0	6688	P -61 6668
75		8.0	36 52.347	-0.0060	25	-66 2 22.34	-0.010	36	1.44	52.603	53	07.5	21.92	63	07.5		M4	4850	P -66 3690
76		9.5T	36 56.738	-0.0004	11	-61 29 40.74	0.018	09	0.48	56.755	18	06.8	41.56	18	05.7	K7	GC	31622	P -61 6670
77	9.6	9.2W	37 1.604	0.0070	07	-62 45 55.15	-0.025	07	0.14	1.581	14	46.8	55.07	14	46.8	F2	C0	6691	P -63 4810
78		9.1	37 1.795	-0.0119	25	-68 59 14.48	0.049	36	1.66	2.392	53	99.8	16.96	63	99.8		M4	4851	P -69 3252
79	10.7	9.8W	37 9.775	0.0058	15	-60 22 10.43	-0.012	15	0.15	9.756	14	46.8	10.40	14	46.8	G5	C0	6692	P -60 7589
80			37 16.783	0.0001	13	-61 48 53.95	-0.022	13	0.15	16.783	14	46.8	53.88	14	46.8	MD	C0	6693V	P*-62 6358
81		7.4T	37 17.838	-0.0028	12	-67 56 58.35	-0.032	10	0.61	17.975	22	01.6	56.64	21	96.9	B5	GC	31630	P -68 3518
82	10.5	10.1W	37 18.267	0.0102	11	-61 12 38.20	-0.034	11	0.14	18.235	14	46.8	38.09	14	46.8	G3	C0	6694	P -61 6671
83	10.0	9.8W	37 32.759	-0.0003	10	-64 1 8.49	-0.009	10	0.14	32.760	14	46.8	8.46	14	46.8	A3	C0	6696	P -64 4285
84	8.9	8.0W	37 44.329	0.0241	06	-63 12 8.93	-0.113	06	0.14	44.252	14	46.8	8.57	14	46.8	K0	C0	6697	P -63 4812
85		8.2	37 47.247	0.0118	25	-64 24 28.39	-0.040	36	1.80	46.595	53	94.8	26.17	63	94.8		M4	4852	P -64 4286
86	10.6	9.5W	38 11.328	-0.0017	07	-62 8 29.87	0.002	07	0.14	11.333	14	46.8	29.88	14	46.8	G6	C0	6698	P -62 6360
87	9.4	9.4W	38 22.346	-0.0028	07	-60 58 40.55	0.015	07	0.14	22.355	14	46.8	40.59	14	46.8	A2	C0	6699	P -61 6672
88	9.3	9.0W	38 23.860	-0.0062	07	-63 31 54.61	-0.017	07	0.14	23.880	14	46.8	54.56	14	46.8	F8	C0	6700	P -63 4813
89		8.1T	38 35.514	0.0002	13	-68 39 40.29	-0.006	12	0.67	35.505	21	99.6	39.99	19	96.6	K2	GC	31657	P -69 3258
90		8.7	38 47.482	0.0121	25	-68 5 44.40	-0.012	36	1.66	46.871	53	99.4	43.79	53	99.3		M4	4855	P -68 3519
91	10.6	10.0W	39 11.212	0.0024	11	-61 20 7.37	0.007	11	0.14	11.205	14	46.8	7.39	14	46.8	G4	C0	6701	P -61 6673
92	10.2	9.7W	39 16.838	-0.0021	09	-61 14 52.90	-0.033	09	0.14	16.845	14	46.8	52.79	14	46.8	G4	C0	6702	P -61 6674
93	10.5	10.0W	39 24.858	0.0013	10	-62 6 12.79	-0.004	10	0.14	24.853	14	46.8	12.78	14	46.8	G0	C0	6703	P -62 6361
94	9.6	8.6W	39 43.428	0.0077	06	-62 19 39.80	-0.006	06	0.14	43.403	14	46.8	39.78	14	46.8	K0	C0	6704	P -62 6362
95	10.8	10.2W	39 58.822	-0.0008	13	-60 33 51.39	0.003	13	0.15	58.825	14	46.8	51.40	14	46.8	G3	C0	6705	P -60 7591
96		8.8	40 18.544	-0.0078	33	-64 54 41.23	-0.051	43	2.26	18.983	75	93.8	38.37	57	93.8		M3	2904	
97		7.6T	40 29.291	-0.0039	12	-60 59 10.93	-0.018	08	0.47	29.452	17	08.8	10.08	15	01.3	F0	GC	31698	P -61 6675
98	10.4	10.2W	40 35.987	0.0096	13	-60 25 9.22	-0.038	13	0.15	35.956	14	46.8	9.10	14	46.8	G0	C0	6707	P -60 7593
99		6.4T	41 3.405	0.0012	09	-60 45 45.16	0.029	07	0.47	3.345	18	00.2	46.80	17	94.6	F5	GC	31711	P -61 6676
00		7.1T	41 14.925	-0.0014	11	-64 12 59.90	0.000	07	0.49	14.991	19	02.5	59.91	17	96.1	A0	GC	31715K	P -64 4293

255300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	SOURCE STAR NUMBER	-60° 22H DM NUMBER
1		6.7T	22 41 20.637	0.0060	11	-62 48 39.95	-0.028	09	0.54	20.349	19	01.9	38.45	18	97.1	K0	GC	31722	P*-63 4814
2	10.5	10.3W	41 22.986	0.0071	12	-62 29 19.92	-0.015	12	0.15	22.963	14	46.8	19.88	14	46.8	G0 O	CO	6712	P -62 6365
3		7.8T	41 27.785	0.0080	14	-60 22 46.96	-0.043	10	0.56	27.454	18	08.7	45.07	17	05.6	G5	GC	31725K	P -60 7594
4	10.4	10.1W	41 31.961	0.0078	14	-60 22 46.60	-0.033	14	0.15	31.936	14	46.8	46.50	14	46.8	G0 O	CO	6714	P -60 7595
5	9.4	7.9W	41 53.280	-0.0001	06	-63 43 27.57	-0.035	06	0.14	53.280	14	46.8	27.46	14	46.8	K2	CO	6716	P -64 4295
6	10.5	9.3W	42 1.010	0.0028	07	-62 49 31.95	0.007	07	0.14	1.001	14	46.8	31.97	14	46.8	K0 O	CO	6717	P -63 4815
7		8.0T	42 14.750	0.0039	13	-66 21 46.76	-0.031	12	0.64	14.557	22	00.4	45.30	18	02.5	K0	GC	31737	P -66 3706
8		8.3T	42 15.940	0.0032	13	-68 31 4.06	0.010	12	0.65	15.788	21	01.9	4.60	19	98.5	F0	GC	31738	P -68 3528
9	10.3	9.3W	42 37.452	0.0055	06	-60 37 54.18	0.005	06	0.14	37.435	14	46.8	54.19	14	46.8	G5 O	CO	6718	P -61 6680
10	11.1		42 54.442	0.0017	11	-60 27 16.23	0.022	11	0.14	54.436	14	46.8	16.30	14	46.8	F5 O	CO	6720	P -60 7597
11	9.9	9.5W	43 8.290	0.0018	07	-60 44 41.81	-0.005	07	0.14	8.285	14	46.8	41.80	14	46.8	F8	CO	6722	P -61 6681
12		7.8T	43 21.642	0.0049	12	-69 47 28.69	-0.017	11	0.65	21.388	21	97.7	27.74	18	92.8	K2	GC	31761	P -70 2960
13	10.4	10.2W	43 54.793	-0.0036	07	-61 2 33.31	0.025	07	0.14	54.805	14	46.8	33.39	14	46.8	G0 O	CO	6725	P -61 6683
14	9.0	8.3W	43 55.142	0.0113	06	-60 20 21.65	-0.047	06	0.14	55.106	14	46.8	21.49	14	46.8	G0	CO	6726	P -60 7600
15		6.9T	44 1.494	-0.0051	10	-69 44 19.54	0.027	09	0.56	1.781	19	94.0	21.12	18	92.2	F0	GC	31774	P -70 2961
16		6.5T	44 15.109	-0.0053	10	-65 49 27.93	-0.016	07	0.53	15.401	21	95.2	27.07	17	95.3	K0	GC	31779	P -66 3709
17	10.1	9.7W	44 24.464	0.0070	11	-62 37 19.59	-0.007	11	0.14	24.441	14	46.8	19.57	14	46.8	G2 O	CO	6727	P -63 4819
18	10.5	9.3W	44 51.779	0.0054	09	-63 19 37.97	-0.001	09	0.14	51.762	14	46.8	37.97	14	46.8	G2 O	CO	6728	P -63 4820
19		8.5	44 55.705	-0.0069	25	-68 32 2.74	0.000	36	1.77	56.080	53	95.8	2.76	63	95.8		M4	4871	P -68 3531
20		8.9	44 55.843	-0.0099	33	-67 41 31.82	0.023	43	2.30	56.412	75	92.7	33.12	57	92.7		M3	2911	
21		6.3T	45 7.924	0.0106	07	-61 56 55.13	-0.006	07	0.33	7.481	12	08.2	55.38	14	04.2	K0	GC	31803	P -62 6369
22		8.2	45 26.309	-0.0079	25	-69 4 10.91	-0.068	36	1.78	26.737	53	95.8	7.24	63	95.8		M4	4875	P -69 3270
23	9.8	8.5W	45 30.585	0.0048	07	-63 48 58.57	-0.002	07	0.14	30.570	14	46.8	58.56	14	46.8	K0	CO	6732	P -64 4299
24		6.7T	45 38.963	-0.0012	10	-63 58 58.70	0.013	07	0.48	39.023	18	00.2	59.44	17	94.7	B9	GC	31818	P -64 4300
25	10.1	9.8W	45 49.775	0.0047	07	-64 0 48.18	-0.006	07	0.14	49.760	14	46.8	48.16	14	46.8	G0 O	CO	6734	P -64 4301
26	10.7	9.7W	45 58.212	-0.0006	09	-60 52 58.94	-0.013	09	0.14	58.215	14	46.8	58.90	14	46.8	G7 O	CO	6735	P -61 6686
27		9.0	46 31.058	0.0030	25	-66 19 58.06	-0.056	36	1.41	30.932	53	08.5	55.73	63	08.5		M4	4882	P -66 3712
28		8.0	46 45.251	-0.0140	25	-66 18 56.18	-0.031	36	1.41	45.831	53	08.5	54.88	63	08.5		M4	4883	P -66 3713
29	10.7	10.6W	46 48.654	0.0149	11	-60 17 18.46	0.073	11	0.14	48.606	14	46.8	18.70	14	46.8	G2 O	CO	6736	P -60 7603
30	9.3	9.4W	47 14.661	0.0024	07	-61 34 42.98	-0.000	07	0.14	14.653	14	46.8	42.98	14	46.8	A0	CO	6740	P -61 6689
31	9.4	9.0W	47 18.475	0.0001	06	-61 19 14.57	0.008	06	0.14	18.475	14	46.8	14.60	14	46.8	F5	CO	6741	P -61 6690
32		8.4	47 18.935	-0.0089	25	-69 14 19.53	0.055	36	1.66	19.379	53	99.8	22.31	63	99.8		M4	4885	P -69 3274
33		7.8T	47 41.229	-0.0009	12	-63 4 47.49	0.007	10	0.57	41.269	19	04.5	47.82	18	00.5	G0	GC	31853	P -63 4824
34	9.0	8.6W	47 57.241	-0.0003	05	-63 7 2.10	-0.007	05	0.14	57.242	14	46.8	2.07	14	46.8	F8	CO	6744	P -63 4825
35	10.6	9.7W	48 24.106	0.0037	07	-60 55 12.74	-0.016	07	0.14	24.095	14	46.8	12.69	14	46.8	G5 O	CO	6745	P -61 6692
36		6.4T	48 36.784	-0.0042	09	-65 8 48.35	0.012	07	0.46	36.995	19	99.6	49.06	18	93.5	K0	GC	31869	P -66 7610
37		8.1	48 44.550	-0.0128	25	-64 45 51.13	-0.046	36	1.80	45.257	53	94.8	48.59	63	94.8		M4	4889	P -65 4089
38	10.6	10.0W	48 45.213	-0.0005	07	-60 51 54.45	-0.017	07	0.14	45.218	14	46.8	54.40	14	46.8	G6 O	CO	6747	P -61 6693
39		6.1T	48 56.323	0.0032	07	-63 27 13.81	-0.037	06	0.29	56.194	09	10.1	12.17	09	06.0	K0	GC	31872K	P*-63 4826
40	10.5	9.0W	49 0.470	0.0012	11	-60 25 10.50	-0.034	11	0.14	0.466	14	46.8	10.40	14	46.8	K3 O	CO	6749	P -60 7611
41	11.2		49 13.988	0.0193	09	-60 18 28.57	-0.149	09	0.14	13.926	14	46.8	28.09	14	46.8	G8 O	CO	6750	P -60 7612
42		8.7	49 26.989	0.0120	25	-66 59 37.89	-0.066	36	1.69	26.374	53	98.8	34.51	63	98.8		M4	4890	P -67 3925
43		7.9	49 31.545	0.0080	25	-65 10 24.04	-0.010	36	1.40	31.215	53	08.8	23.62	63	08.8		M4	4892	P -65 4090
44		7.6T	49 38.266	0.0042	14	-63 4 55.22	-0.020	11	0.61	38.077	21	05.1	56.16	19	02.5	G5	GC	31893	P -63 4828
45		7.9T	50 1.809	0.0098	13	-64 1 50.87	-0.056	11	0.65	1.378	21	05.9	48.19	19	02.0	F8	GC	31904	P -64 4302
46	10.7	9.9W	50 21.238	0.0047	07	-61 47 28.28	-0.000	07	0.14	21.223	14	46.8	28.28	14	46.8	K0 O	CO	6755	P -62 6373
47	10.5	9.3W	50 32.789	0.0012	07	-61 15 39.61	-0.003	07	0.14	32.785	14	46.8	39.60	14	46.8	G8 O	CO	6756	P -61 6695
48	10.7	10.3W	51 10.154	0.0029	11	-61 20 11.53	0.022	11	0.14	10.145	14	46.8	11.60	14	46.8	G0 O	CO	6759	P -61 6696
49		9.2	51 10.873	-0.0119	25	-67 31 59.22	-0.019	36	1.78	11.521	53	95.8	+ 0.24	63	95.8		M4	4899	P -67 3927
50		7.5T	51 39.047	0.0183	12	-69 22 13.76	-0.019	12	0.64	38.146	19	00.8	12.81	19	98.8	F2	GC	31936	P -69 3285
51		8.0	22 51 39.471	0.0010	25	-65 35 49.39	-0.004	36	1.80	39.417	53	94.8	49.62	63	94.8		M4	4902	P -65 4095
52	10.7	10.4W	51 55.211	-0.0036	12	-61 58 30.39	-0.067	12	0.15	55.223	14	46.8	30.18	14	46.8	G5 O	CO	6760	P -62 6375
53	10.5	10.1W	52 51.462	0.0000	09	-62 47 54.14	-0.020	09	0.14	51.461	14	46.8	54.07	14	46.8	F8 O	CO	6762	P -63 4830
54		8.1T	53 4.136	-0.0067	12	-69 3 4.62	0.001	12	0.65	4.466	21	00.8	4.69	19	97.7	A0	GC	31970	P -69 3289
55	10.4	9.3W	53 46.746	0.0040	06	-61 56 29.58	0.029	06	0.14	46.733	14	46.8	29.68	14	46.8	G8 O	CO	6763	P -62 6376
56	10.5	10.3W	53 47.553	-0.0002	10	-61 52 30.43	-0.018	10	0.14	47.553	14	46.8	30.38	14	46.8	F0 O	CO	6764	P -62 6377
57	10.0	8.8W	54 32.493	0.0029	06	-62 7 42.62	-0.015	06	0.14	32.483	14	46.8	42.58	14	46.8	K5	CO	6766	P -62 6378
58		7.6	54 47.268	0.0110	33	-66 36 12.37	0.017	43	2.30	46.639	75	92.7	13.34	57	92.7		M3	2927	
59	10.4	10.2W	55 12.390	0.0048	07	-61 26 36.48	0.004	07	0.14	12.375	14	46.8	36.49	14	46.8	F8 O	CO	6767	P -61 6700
60		8.9	55 42.654	0.0051	25	-68 19 11.71	0.012	36	1.66	42.396	53	99.8	12.33	63	99.8		M4	4915	P -68 3546
61	9.2	9.0W	55 47.546	0.0037	07	-61 18 19.75	0.015	07	0.14	47.535	14	46.8	19.80	14	46.8	G0 O	CO	6771	P -61 6705
62	10.8		55 51.132	-0.0258	11	-60 44 54.14	-0.013	11	0.14	51.215	14	46.8	54.10	14	46.8	F5 O	CO	6772	P -61 6706
63	10.7	10.4W	56 5.346	0.0032	09	-60 4 8.76	0.011	09	0.14	5.336	14	46.8	8.80	14	46.8	G0 O	CO	6774	P -60 7620
64		7.9T	56 11.894	0.0003	18	-60 25 29.50	0.013	10	0.62	11.881	18	11.7	30.13	17	02.8	K2	GC	32024	P -60 7621
65	10.1	9.8W	56 13.667	0.0038	13	-60 38 2.37	0.008	13	0.15	13.655	14	46.8	2.39	14	46.8	A O	CO	6776	P -61 6708
66		8.3	56 16.674	0.0048	25	-64 27 0.87	-0.014	36	1.80	16.408	53	94.8	0.08	63	94.8		M4	4918	P -64 4306
67	8.6	8.6W	56 24.969	0.0050	06	-62 15 17.57	0.001	06	0.14	24.953	14	46.8	17.08	14	46.8	A0	CO	6778	P -62 6381
68	8.3	8.1W	56 29.221	0.0115	07	-60 56 50.44	0.016	07	0.14	29.185	14	46.8	50.50	14	46.8	F5	CO	6779	P -61 6710
69		9.1	56 35.188	0.0010	25	-66 41 36.19	0.012	36	1.76	35.134	53	95.8	36.84	53	95.8		M4	4920	P -67 3934
70		7.2T	56 35.193	0.0106	14	-63 2 23.67	-0.019	11	0.61	34.732	21	06.6	22.75	19	02.5	F5	GC	32031	P -63 4833
71		8.6	56 44.763	-0.0030	25	-67 5 55.37	0.015	36	1.69	44.916	53	98.8	56.14	63	98.8		M4	4922	P -67 3936
72	9.7	8.2W	56 46.408	-0.0006	07	-63 58 17.34	0.005	07	0.14	46.415	14	46.8	17.36	14	46.8	K5	CO	6783	P -64 4307
73	9.0	8.2W	56 50.445	0.0063	07	-61 5 38.49	0.003	07	0.14	50.425	14	46.8	38.49	14	46.8	G5	CO	6784	P -61 6711
74	10.4	9.9W	57 1.907	-0.0118	07	-60 49 49.61	-0.035	07	0.14	1.945	14	46.8	49.49	14	46.8	G5 O	CO	6787	P -61 6712
75	10.9		58 10.831	0.0084	11	-60 51 47.45	0.015	11	0.14	10.805	14	46.8	47.50	14	46.8	F8 O	CO	6789	P -61 6714
76	10.9		58 15.117	0.0070	11	-61 12 52.19	0.003	11	0.14	15.095	14	46.8	52.20	14	46.8	G2 O	CO	6790	P -61 6715
77		9.0	58 29.953	-0.0030	25	-67 8 52.77	-0.049	36	1.70	30.109	53	97.8	50.22	53	97.8		M4	4926	P -67 3937
78		7.1T	58 47.143	0.0054	15	-63 21 17.80	0.025	11	0.64	46.903	21	05.6	18.97	19	02.7	K2	GC	32078	P -63 4835
79		8.7T	58 49.073	-0.0009	12	-66 17 2.36	-0.035	12	0.66	49.121	21	96.5	0.57	21	98.6	K0	GC	32080	P -66 3736
80	10.4	10.3W	59 4.146	0.0066	13	-61 20 37.71	-0.005	13	0.15	4.125	14	46.8	37.70	14	46.8		CO	6795	P -61 6716
81		7.6T	59 6.313	0.0051	09	-64 33 59.72	-0.050	07	0.44	6.076	17	03.2	57.06	17	96.9	F0	GC	32084K	P -64 4309
82	9.7	9.4W	59 18.703	-0.0094	07	-62 27 46.91	-0.011	07	0.14	18.733	14	46.8	46.88	14	46.8	G0	CO	6796	P -62 6385
83	10.4	9.8W	59 43.591	-0.0002	09	-63 0 46.72	-0.013	09	0.14	43.592	14	46.8	46.67	14	46.8	G3 O	CO	6797	P -63 4836
84	10.8	10.4W	59 49.082	0.0019	11	-60 6 53.45	-0.016	11	0.14	49.076	14	46.8	53.40	14	46.8	G2 O	CO	6799	P -60 7626
85		9.1	59 49.470	0.0090	25	-65 19 13.40	-0.039	36	1.67	49.014	53	99.5	11.43	63	99.5		M4	4932	P -65 4106
86	7.7	7.8W	23 0 4.088	0.0051	06	-62 39 8.08	-0.002	06	0.14	4.071	14	46.8	8.07	14	46.8	A0	CO	6800	P -63 4837
87	10.6	9.4W	0 4.256	0.0036	11	-60 42 45.40	-0.003	11	0.14	4.245	14	46.8	45.40	14	46.8	K5	CO	6801	P -61 6718
88	10.1	9.8W	0 8.925	0.0105	07	-63 5 7.83	-0.049	07	0.14	8.892	14	46.8	7.67	14	46.8	G5 O	CO	6802	P -63 4838
89		9.2	0 17.527	0.0001	25	-69 19 8.97	-0.040	36	1.75	17.520	53	96.8	6.86	63	96.8		M4	4933	P -69 3296
90	10.4	10.0W	0 27.227	0.0014	12	-61 41 46.49	-0.004	12	0.15	27.223	14	46.8	46.48	14	46.8	F2 O	CO	6803	P -62 6386
91	10.9		0 38.531	0.0088	09	-61 32 54.36	0.004	09	0.14	38.503	14	46.8	54.38	14	46.8	G O	CO	6804	P -61 6719
92	10.7		1 4.997	0.0040	13	-61 19 43.22	-0.008	13	0.15	4.895	14	46.8	43.20	14	46.8	F5 O	CO	6808	P -61 6720
93	10.8	9.9W	1 14.536	0.0009	06	-61 53 53.80	-0.005	06	0.14	14.533	14	46.8	53.78	14	46.8	G8 O	CO	6810	P -62 6387
94		9.0	1 32.619	-0.0239	25	-68 10 24.84	-0.083	36	1.76	33.914	45	95.8	20.34	63	95.8		M4	4936	P -68 3555
95		5.6T	1 35.444	0.0063	06	-69 5 27.66	0.071	05	0.26	35.103	07	08.8	30.84	09	05.4	F0	GC	32141	P -69 3301
96	9.4	9.2W	1 40.337	-0.0071	07	-63 35 42.45	0.002	07	0.14	40.360	14	46.8	42.46	14	46.8	F2	CO	6812	P -63 4843
97		9.0	1 56.019	0.0111	33	-67 43 2.34	0.020	43	2.30	55.386	75	92.8	3.47	57	92.8		M3	2945	
98	9.6	9.2W	2 17.064	0.0075	07	-63 31 59.95	0.004	07	0.14	17.040	14	46.8	59.96	14	46.8	G0	CO	6814	P -63 4845
99	7.8	7.9W	2 19.121	0.0060	06	-62 39 39.94	0.010	06	0.14	19.101	14	46.8	39.97	14	46.8	A0	CO	6815	P -63 4846
00	9.6	9.3W	2 33.872	0.0064	07	-62 38 48.35	-0.025	07	0.14	33.851	14	46.8	48.27	14	46.8	F5	CO	6816	P -63 4847

255400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-60° 23H DM NUMBER
1	9.0	8.6W	23 2 37.457	0.0065	09	-60 20 58.04	-0.046	09	0.14	37.436	14	46.8	57.90	14	46.8	F8	GS	6817	P -60 7629
2		8.0T	2 46.058	0.0101	11	-61 27 45.06	-0.033	10	0.46	45.660	15	15.6	43.70	17	07.5	K5	GC	32164	P -61 6722
3	9.7	9.9W	2 59.413	0.0028	08	-60 50 56.07	-0.008	08	0.14	59.405	14	46.8	56.10	14	46.8	A0	GS	6819	P -61 6723
4		9.1	3 29.051	-0.0160	25	-66 42 39.51	-0.046	36	1.68	29.870	45	98.8	41.86	63	98.8		M4	4940	P -67 3943
5		8.9	3 45.948	0.0011	25	-69 57 32.77	-0.011	36	1.66	45.893	53	99.8	32.24	63	99.8		M4	4942	P -70 2992
6	8.7	8.7W	4 16.833	0.0058	09	-61 8 49.30	-0.002	09	0.14	16.815	14	46.8	49.30	14	46.8	F5	GS	6820	P -61 6724
7	10.5	10.1W	4 18.776	-0.0030	07	-60 21 20.42	-0.023	07	0.14	18.766	14	46.8	20.50	14	46.8	G5 O	GS	6821	P -60 7630
8		9.1	4 32.116	-0.0120	25	-66 55 23.33	-0.039	36	1.63	32.705	53	00.9	21.41	63	00.9		M4	4943	P -67 3944
9	10.0	9.9W	4 48.885	0.0038	12	-62 3 37.56	0.005	12	0.15	48.873	14	46.8	37.58	14	46.8	F0	GS	6823	P -62 6391
10	8.9	8.4W	5 6.601	0.0191	06	-63 53 53.66	-0.065	06	0.14	6.540	14	46.8	53.46	14	46.8	G0	GS	6827	P -64 4319
11		7.4T	5 30.286	0.0202	13	-64 8 23.77	-0.189	11	0.61	29.347	18	03.5	14.71	18	02.0	G0	GC	32221K	P -64 4321
12		10.0Q	5 34.961	0.0014	17	-60 0 20.95	-0.100	17	0.81	34.896	24	04.5	16.35	24	03.8		GC	32224K	P -60 7635
13	7.6	7.3W	5 37.189	0.0174	04	-60 0 23.96	-0.050	04	0.14	37.156	14	46.8	23.80	14	46.8	F2	GS	6831	P -60 7635
14	10.4	10.0W	6 2.990	0.0025	07	-63 3 41.19	-0.026	07	0.14	2.982	14	46.8	41.27	14	46.8	F8 O	GS	6833	P -63 4855
15	9.4	9.5W	6 22.899	0.0092	11	-63 55 26.35	-0.030	11	0.14	22.870	14	46.8	26.26	14	46.8	A2	GS	6835	P -64 4322
16		8.0	6 30.590	0.0040	25	-66 44 36.90	0.017	36	1.39	30.427	53	09.2	37.60	63	09.2		M4	4952	P -67 3948
17		8.2	6 32.659	-0.0629	25	-68 0 4.53	-0.211	36	1.62	35.732	53	01.2	-54.22	63	01.2		M4	4954	P -68 3561
18		6.6T	6 33.774	-0.0004	10	-68 8 49.47	-0.055	08	0.56	33.798	18	94.9	46.16	15	90.0	F2	GC	32240	P*-68 3560
19	10.9		6 48.055	0.0067	13	-61 41 10.02	-0.012	13	0.15	48.033	14	46.8	9.98	14	46.8	G0 O	GS	6837	P -62 6396
20		6.5T	7 1.274	0.0357	08	-67 7 46.43	0.040	08	0.51	-59.085	15	88.7	48.95	15	87.2	G5	GC	32254	P -67 3949
21		6.7T	7 26.714	0.0079	12	-60 50 7.39	-0.004	09	0.54	26.333	18	01.8	7.20	17	96.5	A2	GC	32265	P -61 6727
22		8.9	7 39.552	-0.0599	25	-69 18 10.59	-0.005	36	1.80	42.851	53	94.9	10.34	63	94.9		M4	4958	P -69 3358
23		7.0T	8 7.346	0.0128	15	-63 27 42.05	-0.018	11	0.64	6.776	21	05.6	41.18	19	02.7	K2	GC	32287	P -63 4857
24	8.6	8.4W	9 16.068	-0.0078	06	-61 45 33.36	0.007	06	0.14	16.093	14	46.8	33.38	14	46.8	F5	GS	6849	P -62 6402
25	9.1	8.4W	9 17.737	-0.0083	06	-61 36 16.76	-0.026	06	0.14	17.763	14	46.8	16.68	14	46.8	G5	GS	6850	P -62 6403
26	10.6	10.4W	9 37.395	-0.0058	12	-61 54 5.44	0.013	12	0.15	37.413	14	46.8	5.48	14	46.8	F5 O	GS	6854	P -62 6405
27	9.9	9.6W	9 45.487	-0.0170	09	-62 4 43.25	-0.063	09	0.14	45.433	14	46.8	42.98	14	46.8	G0	GS	6855	P -62 6406
28		9.1	9 47.293	-0.0029	25	-69 11 42.87	-0.014	36	1.66	47.438	53	99.8	43.60	63	99.8		M4	4966	P -69 3310
29	10.1	8.9W	10 14.781	-0.0028	09	-63 10 17.49	-0.006	09	0.14	14.772	14	46.8	17.47	14	46.8	K2	GS	6856	P -63 4861
30	8.6	8.7W	10 17.239	0.0076	06	-60 51 21.53	-0.010	06	0.14	17.215	14	46.8	21.50	14	46.8	A3	GS	6857	P -61 6731
31	9.9	9.8W	10 23.174	0.0033	07	-62 4 25.67	0.002	07	0.14	23.163	14	46.8	25.68	14	46.8	F	GS	6858	P -62 6407
32	9.4	9.0W	10 24.129	-0.0017	06	-60 43 2.99	-0.030	06	0.14	24.135	14	46.8	2.90	14	46.8	G0	GS	6859	P -61 6732
33		7.9	10 43.361	0.0061	33	-68 33 46.70	0.033	43	2.26	43.020	75	93.9	48.57	57	93.9		M3	2957	
34	9.1	9.2W	10 57.919	0.0048	07	-62 5 57.46	0.007	07	0.14	57.903	14	46.8	57.48	14	46.8	A0	GC	32333	P -63 4862
35		6.2T	11 2.606	0.0730	10	-62 57 59.74	-0.422	08	0.50	-59.188	21	01.2	36.76	18	95.6	G0	GC		
36		10.1T	11 12.764	0.0086	18	-68 1 32.02	-0.022	20	0.89	12.380	24	05.2	31.02	24	04.9	K	GC	32337	P -68 3564
37		8.6	11 33.467	-0.0010	25	-66 29 22.55	-0.050	36	1.77	33.519	53	95.8	19.79	63	95.8		M4	4973	P -66 3757
38		8.4	11 44.403	0.0110	25	-65 51 11.34	-0.004	36	1.80	43.797	53	94.8	11.13	63	94.8		M4	4974	P -66 3758
39	10.3	9.5W	12 23.895	0.0073	09	-62 32 21.40	-0.007	09	0.14	23.871	14	46.8	21.37	14	46.8	G5	GS	6864	P -62 6410
40	9.5	9.4W	13 7.394	-0.0212	14	-63 5 49.13	-0.018	14	0.15	7.462	14	46.8	49.07	14	46.8	F8	GS	6866	P -63 4865
41	8.2	7.9W	13 14.385	-0.0096	06	-60 3 12.34	-0.013	06	0.14	14.416	14	46.8	12.30	14	46.8	F5	GS	6867	P -60 7645
42	9.5	9.3W	13 29.048	0.0073	11	-60 47 14.48	-0.026	11	0.14	29.025	14	46.8	14.45	14	46.8	F5	GS	6868	P -61 6733
43		8.7	13 49.110	-0.0010	25	-65 59 36.08	-0.102	36	1.66	49.160	53	99.8	30.98	63	99.8		M4	4981	P -66 3762
44	9.9	9.0W	13 50.707	0.0139	07	-62 8 1.18	-0.032	07	0.14	50.663	14	46.8	1.08	14	46.8	K0	GS	6871	P -62 6411
45		9.1	13 56.761	0.0030	33	-66 29 10.28	0.006	43	2.29	56.587	75	92.8	10.72	57	92.8		M3	2962	
46		5.7H	13 58.249	0.0253	03	-62 16 26.86	-0.026	03	0.12	57.383	06	15.7	25.98	06	16.6	G0	F4	876	P -62 6412
47		8.9	14 10.186	0.0590	25	-67 12 19.04	-0.400	36	1.54	7.464	53	03.9	0.59	63	03.9		M4	4982	P -67 3959
48		9.0T	14 13.637	0.0596	18	-67 11 11.75	-0.387	22	0.94	10.955	19	05.0	-54.41	19	05.2	K0	GC	32400	P -67 3960
49		7.7T	14 21.715	0.0038	12	-63 3 16.37	-0.010	09	0.57	21.527	19	00.6	15.82	18	97.5	K2	GC	32406	P -63 4868
50	9.3	9.1W	14 32.758	0.0025	12	-63 48 27.38	0.023	12	0.15	32.750	14	46.8	27.46	14	46.8	F8	GS	6875	P -64 4334
51		9.1	23 14 34.930	0.0120	25	-65 26 15.25	-0.022	36	1.66	34.351	53	01.8	14.19	63	01.8		M4	4984	P -65 4119
52		7.4Q	14 57.860	0.0015	14	-61 16 18.31	-0.008	10	0.59	57.793	21	06.2	18.72	19	01.3	A3	GC	32419K	P -61 6734
53		6.7T	15 3.785	0.0066	11	-61 16 33.27	-0.085	09	0.55	3.482	17	03.5	29.01	15	99.6	G5	GC	32422	P -61 6735
54	10.2	9.9W	15 9.072	-0.0031	11	-63 16 4.26	0.004	11	0.14	9.081	14	46.8	4.27	14	46.8	F5 O	GS	6878	P -63 4872
55		6.0T	15 15.557	0.0035	11	-67 44 41.21	0.021	09	0.58	15.376	22	97.6	42.43	19	91.4	K0	GC	32426	P -68 3567
56		7.7T	15 40.111	-0.0002	13	-60 16 24.49	0.003	10	0.58	40.119	19	05.2	24.66	18	00.9	K0	GC	32439	P -60 7648
57	10.0	8.9W	16 10.499	-0.0110	06	-60 47 37.30	-0.033	06	0.14	10.535	14	46.8	37.20	14	46.8	K2	GS	6881	P -61 6736
58		9.0	16 33.563	-0.0189	25	-68 57 12.41	0.002	36	1.77	34.587	53	95.9	12.54	63	95.9		M4	4989	P -69 3316
59	9.9	9.9W	16 36.947	0.0012	12	-62 0 44.29	-0.003	12	0.15	36.943	14	46.8	44.28	14	46.8	A2	GS	6883	P -62 6414
60		8.8	16 59.968	0.0050	25	-66 24 27.50	0.006	36	1.47	59.743	45	05.4	27.76	53	05.4		M4	4992	P -66 3766
61		8.7	17 3.559	-0.0009	25	-67 35 50.12	0.011	36	1.43	3.598	53	07.9	50.58	63	07.9		M4	4993	P -68 3568
62		9.0	17 21.121	0.0082	33	-64 54 17.97	0.067	43	2.29	20.596	75	92.8	21.81	57	92.8		M3	2969	
63		8.8	17 29.536	-0.0018	25	-64 58 33.07	0.015	36	1.40	29.611	53	08.8	33.69	63	08.8		M4	4994	P -65 4125
64	9.8	8.9W	17 34.365	0.0015	07	-63 49 2.97	0.028	07	0.14	34.367	14	46.8	3.06	14	46.8	K0	GS	6886	P -64 4341
65		8.5	17 46.921	0.0101	25	-69 32 31.64	0.020	36	1.52	46.466	53	04.8	32.55	63	04.8		M4	4995	P -69 3317
66	9.9	9.3W	18 46.506	-0.0083	06	-62 5 4.73	-0.016	06	0.14	46.533	14	46.8	4.68	14	46.8	G0	GS	6889	P -62 6416
67	9.8	9.4W	18 46.625	0.0090	09	-60 21 23.93	-0.011	09	0.14	46.596	14	46.8	23.89	14	46.8	F8	GS	6890	P -60 7650
68		9.2	18 46.693	0.0031	25	-69 58 36.67	-0.029	36	1.37	46.568	53	09.8	35.52	63	09.8		M4	4997	P -70 3003
69		8.2	19 26.599	0.0070	25	-65 32 11.25	0.002	36	1.42	26.308	53	08.2	11.34	63	08.2		M4	5001	P -65 4133
70	9.6	8.6W	19 26.927	0.0011	06	-61 34 18.35	-0.012	06	0.14	26.923	14	46.8	18.28	14	46.8	G5	GS	6891	P -61 6738
71	10.0	8.9W	19 35.168	0.0100	07	-60 14 56.34	-0.046	07	0.14	35.136	14	46.8	56.20	14	46.8	K0	GS	6892	P -60 7651
72	9.7	8.7W	19 37.953	-0.0027	07	-62 51 28.21	-0.011	07	0.14	37.961	14	46.8	28.17	14	46.8	G5	GS	6893	P -63 4879
73	8.8	8.1W	19 46.973	0.0032	06	-61 42 0.10	0.026	06	0.14	46.963	14	46.8	0.18	14	46.8	G5	GS	6895	P -62 6417
74		6.1T	20 2.989	0.0127	11	-60 19 49.15	-0.005	07	0.50	2.353	18	00.0	48.90	17	94.0	M0	GC	32534	P -60 7654
75	9.7	8.8W	20 11.828	-0.0015	06	-61 54 23.40	0.027	06	0.14	11.833	14	46.8	23.48	14	46.8	K0	GS	6898	P -62 6418
76			20 12.508	-0.0120	25	-65 10 1.04	-0.068	36	1.77	13.158	53	95.8	-57.35	63	95.8		M4	5004V	P*-65 4135
77	9.7	9.3W	20 21.463	0.0071	14	-64 8 22.23	-0.022	14	0.15	21.445	14	46.8	22.16	14	46.8	F5	GS	6900	P -64 4346
78		8.1T	20 33.475	0.0011	13	-63 48 37.89	-0.022	12	0.61	33.425	21	04.3	36.89	19	03.9	K0	GC	32544	P -64 4347
79	10.0	9.7W	20 39.715	0.0031	09	-61 25 39.52	-0.008	09	0.14	39.705	14	46.8	39.50	14	46.8	F7 O	GS	6902	P -61 6740
80	8.4	8.5W	20 46.587	0.0007	06	-61 17 30.71	-0.004	06	0.14	46.585	14	46.8	30.70	14	46.8	A0	GS	6903	P -61 6741
81	10.0	8.8W	21 23.499	0.0023	06	-62 59 52.80	-0.007	05	0.14	23.491	14	46.8	52.77	14	46.8	K0	GS	6907	P -63 4885
82		8.9	23 22.467	-0.0119	25	-68 18 31.57	0.021	36	1.46	22.994	45	05.6	32.52	53	05.6		M4	5012	P -68 3570
83		7.8T	23 33.406	-0.0057	13	-63 30 44.13	0.016	11	0.61	33.672	21	03.3	44.94	18	00.2	A3	GC	32597K	P -63 4888
84	10.3	9.3W	23 44.140	0.0049	07	-60 33 38.52	-0.009	07	0.14	44.124	14	46.8	38.50	14	46.8	G6 O	GS	6911	P -60 7659
85	10.7	9.9W	23 58.555	0.0033	09	-61 11 48.07	0.007	09	0.14	58.545	14	46.8	48.10	14	46.8	G5 O	GS	6912	P -61 6743
86		6.5T	24 10.604	-0.0059	12	-66 51 22.61	-0.021	12	0.64	10.893	19	01.1	21.53	18	98.5	K0	GC	32615	P -67 3964
87	10.6	9.7W	24 11.575	0.0033	09	-60 37 47.92	0.025	09	0.14	11.565	14	46.8	48.00	14	46.8	G8 O	GS	6914	P -61 6744
88		6.7T	24 16.218	-0.0023	12	-63 0 45.38	0.002	08	0.54	16.327	21	02.5	45.46	18	97.6	K0	GC	32617	P*-63 4889
89	10.0	8.6W	24 33.283	0.0057	06	-60 58 3.88	0.004	06	0.14	33.265	14	46.8	3.90	14	46.8	K2	GS	6917	P -61 6745
90	8.4	8.2W	24 37.986	-0.0090	07	-61 27 44.62	-0.008	07	0.14	38.015	14	46.8	44.60	14	46.8	F8	GS	6918	P -61 6746
91		9.0	24 40.539	0.0041	25	-69 9 49.79	0.002	36	1.51	40.353	53	04.8	49.90	63	04.8		M4	5018	P -69 3322
92	9.0	8.8W	24 41.616	0.0068	07	-61 9 42.20	-0.001	07	0.14	41.595	14	46.8	42.20	14	46.8	A5	GS	6920	P -61 6747
93	10.3	9.7W	24 45.011	0.0304	09	-60 40 22.40	-0.033	09	0.14	44.915	14	46.8	22.30	14	46.8	G8 O	GS	6921	P*-61 6748
94	9.9	10.0W	24 47.814	0.0009	12	-62 37 23.51	0.020	12	0.15	47.811	14	46.8	23.57	14	46.8	A2	GS	6922	P -63 4890
95		8.3	25 8.961	0.0060	25	-67 11 5.68	-0.039	36	1.55	8.669	36	01.5	3.79	45	01.5		M4	5029	P -67 3966
96	10.4	9.6W	25 12.102	-0.0012	11	-60 2 10.66	0.010	11	0.14	12.106	14	46.8	10.69	14	46.8	K0	GS	6923	P -60 7662
97		5.7T	26 8.263	-0.0065	06	-63 23 9.90	-0.005	06	0.26	7.998	09	09.3	9.67	09	07.1	A8F	GC	32657	P -63 4891
98	10.5	9.2W	26 19.221	-0.0011	07	-61 3 31.78	0.006	07	0.14	19.225	14	46.8	31.80	14	46.8	K2 O	GS	6926	P -61 6750
99		8.3	26 25.596	0.0121	25	-67 29 29.73	0.037	36	1.46	25.046	36	04.7	31.39	45	04.7		M4	5024	P -67 3967
00	8.3	8.1W	26 37.983	0.0026	06	-61 1 28.16	0.009	06	0.14	37.975	14	46.8	28.19	14	46.8	F5	GS	6927	P -61 6751

255500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-60° 23H DM NUMBER
1	11.0	9.6W	23 26 55.556	0.0010	09	-61 33 27.43	-0.015	09	0.14	55.553	14	46.8	27.38	14	46.8	K5 ○	C0	6929	P -61 6752
2	9.4	8.3W	28 3.152	-0.0003	06	-62 29 8.29	-0.002	06	0.14	3.153	14	46.8	8.28	14	46.8	K0	C0	6931	P -62 6422
3		7.2T	28 4.035	0.0350	11	-69 21 2.88	-0.109	11	0.60	2.215	18	98.0	-57.01	18	96.0	G0	GC	32690K	P -69 3325
4	9.2	9.5W	28 15.709	0.0041	06	-60 22 2.24	0.016	06	0.14	15.696	14	46.8	2.30	14	46.8	A0	C0	6932	P -60 7665
5		9.2	28 25.161	0.0140	33	-65 38 7.39	-0.040	43	2.29	24.362	75	92.8	5.11	57	92.8		M3	2994	
6		8.4	28 25.835	0.0198	25	-64 38 50.89	0.007	36	1.44	24.995	53	07.5	51.18	63	07.5		M4	5029	P -65 4143
7		9.8T	28 35.686	0.0003	13	-66 33 17.78	-0.016	11	0.64	35.673	24	02.6	17.02	21	01.8	K	GC	32698	P -66 3780
8	9.9	9.4W	28 41.868	0.0584	07	-63 12 7.08	0.187	07	0.14	41.681	14	46.8	7.67	14	46.8	G5 ○	C0	6934	P -63 4894
9		9.2	28 57.167	0.0171	25	-68 11 52.16	0.020	36	1.69	56.292	53	98.8	53.17	63	98.8		M4	5030	P -68 3572
10	10.2	9.8W	29 6.004	0.0034	12	-62 13 34.50	-0.005	12	0.15	5.993	14	46.8	34.48	14	46.8	G0 ○	C0	6935	P -62 6424
11		7.7T	29 37.151	0.0011	13	-63 55 51.00	-0.036	10	0.54	37.106	18	08.5	49.35	18	03.7	K0	GC	32730	P -64 4354
12	10.6	9.5W	30 2.781	-0.0013	07	-60 51 19.67	-0.011	07	0.14	2.785	14	46.8	19.63	14	46.8	K2 ○	C0	6937	P -61 6754
13	9.7	8.9W	30 28.233	0.0010	06	-63 33 42.63	-0.013	06	0.14	28.230	14	46.8	42.59	14	46.8	G5	C0	6940	P -63 4907
14		8.8T	30 43.700	0.0040	13	-60 11 43.37	0.009	12	0.62	43.520	21	04.7	43.80	19	02.5	G5	GC	32753	P -60 7667
15	9.9	9.1W	30 43.744	-0.0052	12	-63 50 8.83	0.019	12	0.15	43.760	14	46.8	8.90	14	46.8	G5	C0	6942	P -64 4357
16	8.9	8.6W	31 5.641	-0.0007	06	-61 55 46.27	-0.046	06	0.14	5.643	14	46.8	46.12	14	46.8	G0	C0	6945	P -62 6427
17	9.6	8.8W	31 41.672	0.0053	06	-61 7 19.52	-0.028	06	0.14	41.655	14	46.8	19.43	14	46.8	K0	C0	6946	P -61 6755
18	8.8	7.9W	31 44.992	0.0022	06	-61 8 42.01	0.008	06	0.14	44.985	14	46.8	42.03	14	46.8	K0	C0	6947	P -61 6756
19	10.2	9.4W	32 21.407	0.0107	06	-61 44 22.67	0.016	06	0.14	21.373	14	46.8	22.72	14	46.8	K0	C0	6949	P -62 6428
20		7.4T	32 22.644	0.0033	09	-64 57 58.11	0.007	08	0.51	22.464	18	95.9	58.53	17	91.7	F0	GC	32786K	P -65 4148
21		8.7	32 32.965	-0.0070	25	-66 6 20.72	0.005	36	1.79	33.348	53	95.2	20.98	63	95.2		M4	5045	P -66 3783
22	8.0	8.2W	33 43.577	0.0047	06	-63 1 54.39	0.007	06	0.14	43.562	14	46.8	54.41	14	46.8	A0	C0	6953	P -63 4907
23	9.7	9.6W	33 52.887	0.0049	06	-63 1 38.52	-0.005	06	0.14	52.872	14	46.8	38.51	14	46.8	F5 ○	C0	6955	P -63 4909
24		9.1	33 54.053	-0.0061	25	-66 42 18.86	0.039	36	1.80	54.388	53	94.8	21.00	63	94.8		M4	5048	P -67 3970
25	7.8	7.7W	34 16.355	0.0095	06	-61 6 44.62	0.004	06	0.14	16.325	14	46.8	44.63	14	46.8	F0	C0	6959	P -61 6757
26	10.6	9.3W	34 26.075	0.0032	09	-61 0 47.15	-0.005	09	0.14	26.065	14	46.8	47.13	14	46.8	M8	C0	6960	P -61 6758
27	10.0	8.9W	34 55.216	0.0070	06	-62 0 26.11	0.002	06	0.14	55.193	14	46.8	26.12	14	46.8	K0	C0	6962	P -62 6433
28	9.1	8.1W	35 7.478	0.0034	06	-60 3 7.61	-0.022	06	0.14	7.466	14	46.6	7.53	14	46.6	K0	C0	7516	P -60 7670
29		9.2	35 23.524	0.0021	25	-68 20 28.68	0.011	36	1.60	23.425	53	01.9	29.21	63	01.9		M4	5055	P -68 3575
30	10.0	9.0W	35 29.799	0.0013	07	-61 6 47.11	0.009	07	0.14	29.795	14	46.8	47.13	14	46.8	G	C0	6965	P -61 6759
31		6.7T	35 56.544	0.0056	11	-63 9 44.85	0.008	07	0.47	56.311	18	07.9	45.28	17	96.2	G5	GC	32852	P -63 4913
32	9.8	9.5W	36 0.154	0.0038	07	-63 2 12.68	-0.024	07	0.14	0.142	14	46.8	12.61	14	46.8	F8 ○	C0	6967	P -63 4914
33		9.2	36 10.412	-0.0130	25	-68 11 22.98	-0.045	36	1.77	11.116	53	95.9	20.52	63	95.9		M4	5057	P -68 3576
34	10.1	9.2W	36 15.727	-0.0009	14	-63 36 56.27	0.009	14	0.15	15.730	14	46.8	56.29	14	46.8	K	C0	6968	P -64 4368
35	10.1	9.3W	36 18.550	0.0032	07	-63 31 20.80	-0.034	07	0.14	18.540	14	46.8	20.70	14	46.8	G5	C0	6969	P -63 4915
36	10.1	8.9W	36 19.567	0.0017	07	-63 19 22.90	0.003	07	0.14	19.562	14	46.8	22.91	14	46.8	K0	C0	6970	P -63 4916
37	10.2	9.7W	36 23.705	0.0064	11	-60 34 32.99	-0.082	11	0.14	23.685	14	46.8	32.73	14	46.8	G0	C0	6971	P -60 7671
38		8.5	36 48.639	0.0251	25	-69 28 18.83	-0.065	36	1.56	47.415	36	01.2	15.66	45	01.2		M4	5061	P -69 3329
39	10.1	10.1W	36 50.420	0.0042	13	-60 0 49.21	0.007	13	0.15	50.406	14	46.8	49.23	14	46.8	A0	C0	6973	P -60 7672
40		7.3T	36 52.496	0.0071	11	-66 31 51.15	-0.055	12	0.63	52.121	21	97.2	48.24	19	97.3	K0	GC	32867	P -66 3787
41	10.1	9.7W	37 7.091	0.0020	09	-61 2 16.97	0.020	09	0.14	7.085	14	46.8	17.03	14	46.8	K0	C0	6974	P -61 6761
42	9.6	9.4W	37 18.638	0.0020	06	-63 8 44.74	0.022	06	0.14	18.632	14	46.8	44.81	14	46.8	F5	C0	6975	P -63 4917
43		9.0	37 23.705	0.0031	25	-69 28 16.72	-0.001	36	1.53	23.561	45	03.1	16.68	53	03.1		M4	5064	P -69 3330
44		8.7	38 0.117	-0.0031	25	-65 33 15.86	-0.035	36	1.66	0.272	53	99.9	14.19	63	99.8		M4	5067	P -65 4156
45	10.0	9.0W	38 5.063	0.0031	06	-61 35 39.43	-0.006	06	0.14	5.053	14	46.8	39.42	14	46.8	K0	C0	6978	P -62 6435
46	9.5	9.3W	38 54.757	0.0017	06	-62 48 7.94	0.020	06	0.14	54.751	14	46.8	8.01	14	46.8	F2	C0	6981	P -63 4921
47		7.9	39 13.003	0.0140	25	-68 2 53.34	-0.019	36	1.41	12.423	53	08.5	52.53	63	08.5		M4	5071	P -68 3577
48		7.2T	39 41.614	0.0071	13	-61 20 21.50	0.001	10	0.58	41.299	18	05.4	21.55	17	01.7	K0	GC	32921	P -61 6762
49		9.1	40 9.509	0.0179	25	-66 52 36.68	-0.007	36	1.74	8.530	36	95.4	36.28	45	95.4		M4	5072	P -67 3978
50	9.6	9.3W	40 40.232	-0.0013	13	-60 5 33.23	0.032	13	0.15	40.236	14	46.8	33.33	14	46.8	G5	C0	6985	P -60 7678
51	9.2	8.8W	23 40 47.478	0.0093	06	-60 3 23.31	-0.022	06	0.14	47.446	14	46.6	23.23	14	46.6	G0	C0	7553	P -60 7679
52	8.4	8.0W	40 54.031	0.0284	06	-64 14 14.20	-0.096	06	0.14	53.940	14	46.8	13.90	14	46.8	G0	C0	6987	P -64 4373
53		9.0	41 5.213	-0.0020	25	-68 42 30.14	0.008	36	1.76	5.321	53	96.2	30.58	63	96.2		M4	5079	P -69 3332
54	9.0	7.5W	41 6.202	0.0026	06	-62 0 25.91	0.002	06	0.14	6.193	14	46.8	25.92	14	46.8	MA	C0	6989	P -62 6437
55		8.9	41 12.119	-0.0011	25	-65 46 7.04	-0.062	36	1.68	12.175	53	98.9	3.87	63	98.9		M4	5080	P -66 3792
56	9.7	8.6W	41 13.701	0.0032	07	-64 15 24.05	0.013	07	0.14	13.690	14	46.8	24.10	14	46.8	G5	C0	6990	P -64 4374
57		5.7T	41 27.677	0.0029	06	-64 40 57.56	0.032	06	0.25	27.558	10	09.0	58.96	09	06.4	K5	GC	32953	P -65 4159
58		6.9T	41 33.134	0.0042	15	-64 37 1.61	0.011	12	0.65	32.945	18	05.1	2.14	21	02.4	K5	GC	32956	P -65 4160
59	10.2	8.6W	41 46.513	0.0025	06	-61 25 2.74	-0.002	06	0.14	46.505	14	46.8	2.73	14	46.8	K2	C0	6991	P -61 6763
60	10.6	9.7W	42 20.502	0.0028	07	-61 35 47.26	-0.013	07	0.14	20.493	14	46.9	47.22	14	46.9	K0 ○	C0	6994	P -62 6440
61	9.5	9.1W	42 33.950	0.0215	07	-62 11 17.47	-0.082	07	0.14	33.883	14	46.9	17.22	14	46.9	G0	C0	6995	P -62 6441
62		9.2	42 54.554	-0.0050	33	-69 57 39.46	0.032	43	2.26	54.835	75	93.8	41.26	57	93.9		M3	3023	
63		8.4T	43 16.317	0.0003	12	-67 7 50.73	-0.042	12	0.63	16.300	22	99.3	48.66	19	00.8	F0	GC	32981	P -67 3980
64	9.0	8.8W	43 53.771	0.0052	06	-61 2 6.48	-0.013	06	0.14	53.755	14	46.9	6.44	14	46.9	G0	C0	6996	P -61 6764
65	9.8	9.0W	44 10.063	0.0021	07	-60 12 38.83	-0.000	07	0.14	10.056	14	46.9	38.83	14	46.9	K0	C0	6997	P*-60 7682
66	9.8	9.3W	44 30.491	0.0047	07	-60 4 40.09	0.046	07	0.14	30.476	14	46.9	40.23	14	46.9	G0	C0	6998	P -60 7683
67		7.2T	44 38.679	0.0075	10	-68 40 17.93	-0.037	08	0.53	38.283	19	97.2	15.71	17	89.7	F2	GC	33013	P -69 3335
68		8.5	44 45.426	0.0060	25	-67 59 55.20	0.002	36	1.40	45.179	53	08.8	55.26	63	08.8		M4	5093	P -68 3582
69		7.4T	44 57.471	0.0012	11	-65 31 8.12	-0.001	09	0.53	57.411	18	00.2	8.07	17	98.1	A5	GC	33018	P -65 4173
70	10.5	9.4W	45 2.060	0.0042	07	-60 6 33.53	-0.000	07	0.14	2.047	14	46.9	33.53	14	46.9	G8 ○	C0	7002	P -60 7684
71		7.0T	45 13.869	-0.0139	10	-66 50 45.01	0.011	09	0.55	14.595	19	97.7	45.62	19	94.0	F0	GC	33025	P -67 3981
72	8.8	8.6W	45 42.903	-0.0033	12	-62 17 9.55	0.023	12	0.15	42.913	14	46.9	9.62	14	46.9	F5	C0	7004	P -62 6443
73	8.7	8.7W	46 30.272	0.0054	06	-61 2 27.70	0.013	06	0.14	30.255	14	46.9	27.74	14	46.9	A5	C0	7006	P*-61 6767
74	8.6	8.0W	46 41.877	0.0032	06	-60 21 7.63	0.098	06	0.14	41.867	14	46.9	7.93	14	46.9	G0	C0	7007	P -60 7686
75	10.2	10.0W	46 46.551	-0.0017	07	-60 18 39.39	0.015	07	0.14	46.557	14	46.9	39.43	14	46.9	G3 ○	C0	7008	P -60 7687
76		7.3T	46 47.592	0.0564	14	-66 32 3.94	-0.071	16	0.75	44.913	21	02.5	0.59	22	03.0	F8	GC	33057	P -66 3799
77		8.2	46 53.957	0.0500	25	-68 13 17.23	-0.090	36	1.55	51.588	45	02.6	12.94	53	02.6		M4	5098	P -68 3584
78		6.4T	47 4.061	0.0053	14	-63 7 1.49	-0.031	08	0.58	3.822	21	04.3	-59.84	18	96.5	K0	GC	33061	P -63 4931
79		8.2	47 13.576	0.0009	25	-65 55 9.19	-0.025	36	1.40	13.539	53	08.9	8.16	63	08.9		M4	5100	P -66 3801
80		7.5T	47 18.323	0.0040	10	-61 24 49.40	0.004	08	0.47	18.141	18	03.9	49.59	17	00.9	MB	GC	33066	P -61 6768
81	10.1	9.1W	47 19.511	0.0014	07	-60 25 22.35	-0.004	07	0.14	19.507	14	46.9	22.33	14	46.9	K0	C0	7011	P -60 7688
82		7.3T	47 51.001	0.0136	12	-69 22 12.88	-0.040	12	0.65	50.328	19	00.6	10.80	19	97.8	K2	GC	33075	P -69 3336
83	10.0	9.0W	48 22.163	0.0032	06	-61 33 19.68	-0.020	06	0.14	22.153	14	46.9	19.62	14	46.9	K0 ○	C0	7013	P -61 6771
84		8.2T	48 29.064	0.0076	12	-65 35 36.13	-0.019	10	0.59	28.703	19	02.4	35.19	18	00.3	G5	GC	33088	P -66 3803
85		8.7T	49 5.307	-0.0012	16	-65 4 57.50	-0.029	13	0.69	5.360	21	04.9	56.15	19	04.3	B9	GC	33102	P -65 4175
86	9.7	8.6W	49 24.961	0.0019	06	-60 48 10.77	-0.008	06	0.14	24.955	14	46.9	10.74	14	46.9	K2	C0	7016	P -61 6774
87		9.2	49 33.526	-0.0061	25	-66 56 1.40	-0.000	36	1.49	33.796	53	05.5	1.38	63	05.5		M4	5113	P -67 3985
88	10.1	9.6W	49 34.591	0.0284	09	-61 41 31.08	-0.827	09	0.14	34.503	14	46.9	28.52	14	46.9	K0	C0	7017	P -62 6446
89	9.9	9.0W	49 51.098	0.0079	07	-62 10 34.33	-0.036	07	0.14	51.073	14	46.9	34.22	14	46.9	G5	C0	7018	P -62 6449
90		8.7	49 57.966	0.0121	25	-68 18 7.67	0.022	36	1.40	57.470	53	08.9	8.57	63	08.9		M4	5114	P -68 3585
91		9.0	50 40.095	0.0040	33	-68 37 31.47	-0.008	43	2.30	39.866	75	92.8	31.94	57	92.8		M3	3043	
92	10.5	9.8W	50 42.548	0.0022	09	-62 30 56.32	-0.038	09	0.14	42.542	14	46.9	56.21	14	46.9	G5 ○	C0	7021	P -62 6450
93	9.9	9.7W	51 0.479	0.0018	07	-62 0 15.09	0.009	07	0.14	0.473	14	46.9	15.12	14	46.9	F5	C0	7022	P -62 6451
94		6.7T	51 1.372	-0.0087	10	-66 13 36.73	0.074	08	0.54	1.839	21	96.2	40.87	18	94.1	F8	GC	33144K	P -66 3810
95	10.6	9.1W	51 55.342	-0.0000	07	-63 8 45.41	-0.002	07	0.14	55.342	14	46.9	45.41	14	46.9	MA	C0	7023	P -63 4935
96	9.4	9.0W	51 58.636	0.0196	07	-60 37 38.39	-0.018	07	0.14	58.575	14	46.9	38.33	14	46.9	G5	C0	7024	P -61 6778
97	10.2	9.3W	52 4.016	-0.0003	07	-60 17 8.28	-0.014	07	0.14	4.017	14	46.9	8.23	14	46.9	K0	C0	7026	P -60 7696
98	10.0	9.8W	52 5.356	0.0064	07	-60 8 32.87	-0.010	07	0.14	5.336	14	46.9	32.83	14	46.9	G0	C0	7027	P -60 7697
99	10.1	9.1W	52 15.420	0.0052	09	-62 24 44.41	-0.030	09	0.14	15.404	14	46.9	44.32	14	46.9	K0	C0	7028	P -62 6453
00	9.4	9.2W	52 30.391	0.0143	07	-60 14 50.40	0.044	07	0.14	30.347	14	46.9	50.53	14	46.9	G0	C0	7029	P -60 7698

255600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.		SOURCE CAT.	SOURCE STAR NUMBER	-60° 23H DM NUMBER
1	10.1	8.9W	23 53 3.640	0.0049	06	-61 15 28.33	-0.000	06	0.14	3.625	14	46.9	28.33	14	46.9	K0		C0	7030	F -61 6781
2	9.2	8.3W	53 25.507	0.0007	07	-60 43 37.94	-0.006	07	0.14	25.505	14	46.9	37.94	14	46.9	K0		C0	7032	F -61 6784
3		7.3T	53 31.886	-0.0001	14	-63 9 1.69	0.040	12	0.65	31.893	21	04.5	3.67	19	00.7	A3		GC	33194K	F -63 4938
4		9.4	54 9.697	-0.0120	25	-69 3 10.86	-0.049	36	1.47	10.244	36	04.3	8.62	45	04.3			M4	5133	F -69 3339
5	9.9	9.1W	54 27.259	0.0046	07	-60 40 54.46	-0.009	07	0.14	27.245	14	46.9	54.44	14	46.9	G5		C0	7038	F -61 6786
6		6.0T	54 43.120	0.0106	07	-63 14 6.58	0.028	06	0.30	42.687	12	08.9	7.85	12	04.6	A2		GC	33215	F -63 4940
7		8.5T	54 51.544	0.0042	13	-62 2 26.07	0.007	11	0.60	51.344	21	03.0	26.41	18	01.7	B9		GC	33218	F -62 6456
8		8.4T	54 57.181	0.0444	12	-66 3 12.24	-0.096	12	0.66	54.997	19	00.8	11.93	19	98.5	G0		GC	33221	F -66 3817
9		5.2T	54 58.492	0.0142	06	-64 34 33.31	-0.065	05	0.26	57.887	12	07.4	35.22	10	02.3	A2		GC	33223	F*-64 4391
10		7.8	55 16.695	-0.0100	25	-67 17 4.86	-0.033	36	1.77	17.234	53	95.9	3.15	63	95.9			M4	5137	F -67 3991
11		9.1	55 18.451	-0.0089	25	-68 21 18.38	-0.025	36	1.71	18.913	53	98.2	17.09	63	98.2			M4	5138	F -68 3590
12		6.9T	55 46.364	0.0006	11	-63 16 55.81	0.064	08	0.53	46.337	21	01.4	59.26	18	96.1	K0		GC	33241	F -63 4941
13	10.5	9.3W	55 46.551	0.0051	09	-61 20 21.60	0.012	09	0.14	46.535	14	46.9	21.64	14	46.9	K2		C0	7043	F -61 6787
14	8.5	8.2W	56 16.133	0.0129	06	-61 51 53.34	-0.006	06	0.14	16.093	14	46.9	53.32	14	46.9	F5		C0	7045	F -62 6459
15	10.3	9.3W	56 17.485	-0.0025	09	-61 45 15.44	-0.008	09	0.14	17.493	14	46.9	15.42	14	46.9	G0	O	C0	7046	F -62 6460
16		8.1	56 25.440	-0.0070	25	-69 55 59.94	-0.023	36	1.65	25.788	53	00.2	58.80	63	00.2			M4	5141	F -70 3032
17		9.3T	56 44.635	0.0018	13	-65 48 2.50	0.010	13	0.70	44.548	22	01.3	3.02	21	98.3	K0		GC	33263	F -66 3818
18		9.1	56 53.301	0.0000	25	-67 15 36.03	-0.013	36	1.60	53.298	53	01.9	35.43	63	01.9			M4	5142	F -67 3994
19		4.7H	57 19.974	0.0091	03	-65 51 19.05	-0.020	02	0.11	19.649	06	14.4	18.33	05	13.7	B9		F4	903	F -66 3819
20		7.8	58 2.530	0.0289	25	-66 57 39.04	-0.009	36	1.37	1.332	45	98.6	38.66	53	98.6			M4	5147	F -67 3997
21		8.3	58 5.739	-0.0160	25	-69 57 17.55	-0.140	36	1.76	6.605	45	95.9	9.98	63	95.9			M4	5148	F -70 3034
22		8.3	58 43.533	-0.0020	25	-68 38 56.23	-0.032	36	1.43	43.617	53	07.9	54.89	63	07.9			M4	5150	F -69 3344
23	10.1	10.1W	58 55.520	0.0052	09	-62 19 27.46	-0.015	09	0.14	55.504	14	46.9	27.42	14	46.9	A2	O	C0	7060	F -62 6464
24		7.5T	58 55.900	0.0025	11	-63 12 6.86	0.001	10	0.50	55.814	18	06.2	6.91	18	02.7	A2		GC	33316	F -63 4944
25		9.0	59 11.268	-0.0113	25	-64 0 40.77	0.012	36	1.80	11.888	53	94.9	41.41	63	94.9			M4	5151	F -64 4393
26		8.9	59 14.427	0.0171	25	-68 23 0.33	-0.066	36	1.63	13.589	53	00.8	-57.09	63	00.8			M4	5152	F -68 3591
27		8.9	59 29.612	0.0050	33	-69 32 51.43	0.020	43	2.29	29.327	75	92.9	52.58	57	92.9			M3	3060	
28	10.0	9.8W	59 59.310	0.0119	06	-61 40 13.53	0.029	06	0.14	59.273	14	46.9	13.62	14	46.9	G0	O	C0	7063	F -62 6465

255600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 0H DM NUMBER
29		7.4T	0 1 59.941	0.0042	12	-73 10 31.96	-0.051	08	0.58	59.726	21	98.5	29.08	18	94.2	F5	GC	37	F*-73 2346
30		7.2	2 7.435	0.0110	25	-70 45 56.88	-0.009	36	1.77	6.839	53	95.9	56.41	63	95.9		M4	5156	F -71 2786
31		5.6H	2 10.290	0.0079	04	-71 42 54.68	-0.012	03	0.14	10.007	06	14.2	54.26	06	16.7	B9	F4	1001	F -72 2800
32		7.7T	4 46.239	0.0264	12	-77 0 32.44	0.016	11	0.63	44.880	19	98.4	33.32	19	95.3	F0	GC	104	F -77 1
33		8.7	4 59.847	-0.0085	33	-77 46 17.25	0.043	43	2.29	+ 0.335	75	92.8	19.72	53	92.8		M3	5	
34		9.1	5 9.935	0.0191	25	-72 5 26.90	-0.039	36	1.58	9.030	53	02.6	25.07	63	02.6		M4	9	F -72 2
35		7.8T	5 34.812	0.0083	12	-78 29 20.64	0.010	10	0.61	34.389	22	98.8	21.16	19	98.9	K0	GC	122	F -78 2
36		7.2T	5 36.703	0.0006	10	-78 52 38.45	-0.006	10	0.57	36.671	19	99.2	38.12	18	94.4	A2	GC	123	F -79 1
37		8.8	5 43.820	0.0031	25	-70 20 5.31	-0.035	36	1.50	43.677	36	03.4	3.69	45	03.4		M4	12	F -70 3
38		7.8T	6 12.907	0.0033	12	-74 31 0.83	-0.022	12	0.64	12.738	21	98.9	-59.63	19	97.0	K2	GC	133	F -74 7
39		7.8T	7 43.894	0.0041	12	-79 16 48.12	0.001	12	0.63	43.690	19	00.3	48.17	19	98.8	F5	GC	170	F -79 4
40		7.0T	7 46.840	0.0008	13	-78 34 43.14	-0.012	11	0.63	46.799	18	01.2	42.53	15	98.9	K0	GC	172	F -78 4
41		9.3	7 52.001	0.0100	25	-71 6 56.40	-0.027	36	1.40	51.589	53	08.9	55.31	63	08.9		M4	21	F -71 2
42		6.8T	8 12.671	0.0309	10	-73 30 10.61	0.019	09	0.54	11.073	18	98.3	11.64	17	95.1	+++	GC	184K	F*-73 4
43		9.8	9 15.365	0.0054	25	-73 25 2.22	-0.057	36	1.59	15.106	53	02.4	-59.50	63	02.4		M4	24	F -73 6
44		7.4T	9 34.504	0.0111	12	-75 45 17.52	0.032	11	0.62	33.942	21	99.6	19.29	19	95.6	K0	GC	212	F -76 11
45		8.1	11 8.192	-0.0008	25	-77 1 8.66	-0.021	36	1.69	8.233	53	98.8	7.60	63	98.8		M4	30	F -77 5
46		9.0	11 31.853	0.0198	25	-74 57 53.82	-0.018	36	1.59	30.905	53	02.2	52.98	63	02.2		M4	34	F -75 15
47		6.9T	11 44.050	0.0168	13	-75 11 25.23	-0.042	12	0.69	43.210	21	00.2	27.47	19	96.4	K0	GC	261	F -75 16
48		8.6	13 9.986	-0.0100	25	-70 1 46.31	-0.022	36	1.62	10.473	53	01.2	45.24	63	01.2		M4	37	F -70 6
49		9.3	13 30.884	0.0032	33	-76 42 21.91	0.079	43	2.27	30.702	63	92.8	26.44	57	92.8		M3	23	
50		6.6T	13 38.963	-0.0013	10	-76 11 21.86	0.010	08	0.54	39.036	21	93.9	22.49	17	89.7	G5	GC	307	F -76 19
51		7.2T	0 14 3.368	0.0050	12	-70 40 13.13	0.020	09	0.60	3.104	19	97.2	14.31	18	92.4	A2	GC	319	F -71 4
52		6.7T	14 37.356	0.0234	10	-79 3 28.40	-0.037	09	0.57	35.739	19	95.0	26.16	18	89.5	F5	GC	337	F -79 7
53		8.0	14 57.626	0.0076	25	-74 14 21.44	-0.013	36	1.60	57.260	53	01.9	20.80	63	01.9		M4	48	F -74 20
54		8.4	15 13.444	-0.0120	25	-70 9 26.33	-0.045	36	1.71	14.077	45	97.2	23.96	53	97.2		M4	50	F -70 9
55		8.0T	15 41.800	-0.0044	13	-79 30 35.67	-0.019	12	0.68	42.015	22	00.7	34.68	21	96.9	G0	GC	361	F -79 8
56		9.0	15 42.373	0.0011	25	-72 8 3.51	-0.077	36	1.45	42.324	45	05.9	0.13	53	05.9		M4	53	F -72 25
57		7.9T	16 55.869	0.0114	12	-78 15 59.18	0.033	11	0.62	55.317	19	01.7	+ 0.87	19	99.0	F0	GC	389	F -78 6
58		8.5	17 7.584	0.0070	25	-70 56 23.19	-0.033	36	1.43	7.288	53	07.9	21.82	63	07.9		M4	58	F -71 5
59		8.0T	18 9.390	-0.0048	13	-77 30 1.17	0.025	12	0.73	9.633	21	99.1	2.62	22	92.3	F8	GC	415	F -77 10
60		8.3T	18 26.709	0.0065	12	-72 15 20.44	0.016	12	0.67	26.382	19	99.5	21.30	18	97.3	K0	GC	423	F -72 31
61		9.0	18 45.671	0.0060	25	-70 53 16.12	-0.018	36	1.63	45.375	53	00.9	15.25	63	00.9		M4	61	F -71 7
62		8.4	18 49.505	-0.0043	25	-75 9 25.79	-0.056	36	1.57	49.708	53	02.9	23.15	63	02.9		M4	63	F -75 27
63		5.9T	19 21.744	0.0031	07	-77 42 14.74	-0.004	06	0.28	21.619	12	10.1	14.59	12	09.8	K0	GC	439	F -78 9
64		9.0	19 39.596	-0.0060	25	-70 48 24.78	0.007	36	1.71	39.910	53	97.5	25.17	53	97.4		M4	68	F -71 8
65		8.8	20 21.556	-0.0036	25	-73 18 32.03	-0.039	36	1.62	21.731	53	01.2	30.12	63	01.2		M4	70	F -73 19
66		9.2	21 7.033	0.0004	25	-76 16 52.90	-0.001	36	1.51	7.015	53	04.8	52.87	63	04.8		M4	74	F -76 35
67		8.1T	21 9.686	0.0095	13	-77 0 5.59	0.011	12	0.69	9.214	22	00.0	6.19	19	96.1	F5	GC	467K	F*-77 15
68		9.2	21 51.234	-0.0010	25	-70 43 21.17	-0.083	36	1.77	51.288	53	95.9	16.70	63	95.9		M4	75	F -71 10
69		9.0	22 13.893	-0.0243	25	-75 6 8.81	-0.028	36	1.63	15.088	53	00.9	7.43	63	00.9		M4	76	F -75 34
70		2.9H	23 9.374	0.6884	01	-77 32 8.50	0.327	01	0.07	-36.010	03	01.5	23.79	03	03.3	G0	F4	11	F -77 16
71		8.9	24 42.868	0.0071	25	-71 30 55.52	-0.070	36	1.66	42.514	53	99.9	52.03	63	99.9		M4	82	F -71 16
72		9.2	24 55.577	-0.0044	25	-76 3 31.87	-0.031	36	1.49	55.776	45	04.6	30.49	53	04.6		M4	83	F -76 38
73		8.9	25 26.220	-0.0166	25	-78 48 20.06	-0.051	36	1.45	26.954	45	05.9	17.81	53	05.9		M4	86	F -79 9
74		9.0	25 44.105	0.0071	25	-70 29 46.38	-0.019	36	1.60	43.765	53	01.9	45.48	63	01.9		M4	87	F -70 20
75		9.2	26 54.808	0.0037	25	-75 2 53.73	-0.015	36	1.67	54.616	36	97.6	52.94	45	97.6		M4	92	F -75 40
76		8.9	29 7.394	0.0438	33	-77 19 39.57	0.059	43	2.26	4.933	75	93.8	42.89	57	93.8		M3	52	
77		8.8	29 14.389	0.0042	25	-72 26 31.54	0.012	36	1.36	14.217	45	08.9	32.03	53	08.9		M4	96	F -72 45
78		9.1	29 35.196	-0.0055	25	-78 9 14.21	-0.007	36	1.72	35.483	53	97.9	13.85	63	97.9		M4	97	F -78 12
79		6.1T	31 16.819	0.0167	06	-71 32 30.93	-0.018	06	0.26	16.123	10	08.4	30.12	10	05.6	A5	GC	667	F*-71 20
80		8.8	31 25.019	0.0031	25	-78 56 30.77	-0.059	36	1.63	24.865	53	00.9	27.88	63	00.9		M4	105	F -79 10
81		9.2	32 20.863	-0.0123	33	-77 54 9.28	-0.008	43	2.29	21.568	75	92.9	8.83	57	92.9		M3	58	
82		9.2	32 45.742	-0.0007	25	-73 7 9.01	0.014	36	1.54	45.775	53	03.9	9.65	63	03.9		M4	107	F -73 38
83		9.6T	33 39.518	0.0098	12	-71 49 0.17	0.018	15	0.71	39.035	22	00.5	1.02	22	01.9	F5	GC	720	F -72 51
84		8.6	33 46.866	0.0056	25	-74 9 11.30	0.002	36	1.60	46.597	53	01.9	11.40	63	01.9		M4	109	F -74 48
85		9.1	33 55.596	0.0068	25	-75 8 43.41	0.018	36	1.42	55.311	53	08.2	44.16	63	08.2		M4	111	F -75 55
86		8.6	34 10.587	0.0133	33	-73 7 21.09	-0.035	43	2.26	9.840	75	93.9	19.12	57	93.9		M3	64	
87		6.8T	34 58.813	0.0153	12	-76 35 4.74	-0.000	11	0.61	58.019	19	98.1	4.74	15	97.9	F0	GC	746	F -76 67
88		8.1T	35 31.214	0.0025	13	-75 52 53.77	0.046	12	0.68	31.084	19	98.6	56.27	18	96.1	A0	GC	753	F -76 68
89		7.4T	36 23.602	-0.0316	11	-74 14 9.32	-0.096	11	0.61	25.218	19	98.9	4.19	19	96.5	F2	GC	771	F*-74 53
90		6.9T	36 43.704	-0.0021	09	-73 24 44.09	0.023	08	0.50	43.816	19	96.6	45.44	18	90.7	A0	GC	777	F -73 42
91		8.8	36 54.389	-0.0083	25	-75 25 37.00	-0.023	36	1.63	54.794	53	00.9	35.85	63	00.9		M4	121	F -75 57
92		8.9	37 1.576	0.0123	33	-72 33 25.25	0.017	43	2.29	0.876	75	92.9	26.22	57	92.9		M3	71	
93		8.9	37 39.479	-0.0008	25	-71 22 43.05	-0.087	36	1.68	39.521	53	98.9	38.59	63	98.9		M4	124	F -71 24
94		8.5T	38 5.892	0.0052	12	-74 2 9.98	-0.001	12	0.66	5.627	21	98.6	9.93	19	96.3	F0	GC	802	F -74 55
95		9.4	39 32.445	-0.0145	25	-73 23 13.93	0.002	36	1.62	33.151	53	01.2	14.04	63	01.2		M4	132	F -73 43
96		8.8	39 34.362	0.0178	25	-76 5 15.21	-0.032	36	1.71	33.441	53	98.2	13.57	63	98.2		M4	133	F -76 72
97		9.3	40 47.285	0.0001	25	-70 17 28.89	-0.034	36	1.77	47.278	53	95.9	27.04	63	95.9		M4	134	F -70 32
98		7.7T	42 17.656	0.0263	12	-74 32 18.46	-0.044	12	0.63	16.358	19	00.7	16.15	19	97.6	F5	GC	890	F -74 60
99		8.5	42 24.393	-0.0044	25	-74 6 32.80	-0.036	36	1.63	24.609	53	00.9	31.04	63	00.9		M4	139	F -74 61
00		8.3T	42 34.305	0.0080	13	-71 26 32.22	0.009	12	0.66	33.918	21	01.9	32.68	19	98.2	F5	GC	899	F -71 26

255700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 0H DM NUMBER
1		6.6T	0 43 2.287	0.0056	13	-78 21 19.46	0.002	11	0.64	2.008	21	00.5	19.57	18	95.9	G5	GC	910	P -78 21
2		9.0	43 42.834	-0.0086	33	-79 56 8.82	0.097	43	2.27	43.326	63	92.9	14.37	57	92.9		M3	88	
3		9.2	44 22.397	-0.0005	25	-79 5 40.09	-0.002	36	1.47	22.417	53	05.9	40.00	53	05.9		M4	146	P -79 16
4		9.1	44 31.759	-0.0016	33	-76 49 28.43	0.019	43	2.29	31.851	75	92.9	29.51	57	92.9		M3	90	
5		9.0	44 51.774	-0.0256	25	-77 11 39.24	0.033	36	1.48	52.904	53	05.9	40.70	63	05.9		M4	147	P -77 33
6		8.8	45 9.415	0.0025	25	-76 19 9.05	0.041	36	1.51	9.300	53	04.9	10.90	63	04.9		M4	149	P -76 79
7		9.5	45 15.319	0.0083	25	-73 5 53.16	0.019	36	1.39	14.981	53	09.2	53.93	63	09.2		M4	148	P -73 47
8		8.8	46 23.517	-0.0084	25	-78 32 19.46	-0.103	36	1.54	23.906	53	03.9	14.71	63	03.9		M4	153	P -78 23
9		9.2	46 32.357	0.0004	25	-79 48 7.91	0.047	36	1.48	32.339	53	05.9	9.99	63	05.9		M4	157	P -80 13
10		5.0H	46 51.740	0.0356	02	-75 11 43.48	-0.027	02	0.10	50.294	05	09.3	42.53	05	15.0	K5	F4	31	P -75 64
11		8.8T	47 36.817	0.0103	13	-73 45 2.67	-0.013	12	0.69	36.309	22	00.8	1.99	19	97.5	K0	GC	1902	P*-74 68
12		9.0	48 42.449	-0.0013	25	-79 29 14.41	-0.004	36	1.48	42.506	45	04.9	14.23	53	04.9		M4	162	P -79 19
13		7.1T	49 1.455	-0.0030	08	-71 25 25.37	0.049	07	0.38	1.588	14	05.4	27.68	12	02.7	F2	GC	1032	P -71 28
14		8.1	50 22.530	0.0058	25	-75 8 29.44	-0.060	36	1.54	22.262	53	03.9	26.66	63	03.9		M4	165	P -75 66
15		9.0	51 22.755	0.0015	25	-73 22 50.91	-0.010	36	1.42	22.689	45	06.9	50.49	53	06.9		M4	170	P -73 54
16		7.8T	51 26.650	0.0630	12	-74 55 23.30	0.028	12	0.66	23.444	21	99.1	24.78	19	96.9	G0	GC	1077	P*-75 68
17		8.5T	52 1.014	-0.0007	13	-74 8 24.85	0.028	12	0.66	1.049	22	00.9	26.25	19	00.2	F8	GC	1085	P -74 72
18		8.9	52 19.828	-0.0049	25	-70 23 19.37	-0.046	36	1.45	20.037	53	06.9	17.38	63	06.9		M4	174	P -70 39
19		9.2	52 29.375	-0.0093	25	-79 26 40.08	-0.092	36	1.68	29.848	53	98.9	35.37	63	98.9		M4	178	P -79 22
20		8.8	52 47.796	-0.0013	25	-78 7 46.58	-0.038	36	1.60	47.862	45	00.9	44.72	53	00.9		M4	179	P -78 25
21		6.8T	53 20.478	0.0287	11	-74 34 30.64	0.093	11	0.59	19.007	19	98.8	35.66	19	95.9	G5	GC	1106	P*-74 74
22		9.0	54 27.839	-0.0009	25	-70 13 1.20	-0.017	36	1.66	27.883	53	99.9	0.38	63	99.9		M4	182	P -70 41
23		8.4T	55 7.391	0.0090	13	-73 20 16.99	0.018	12	0.68	6.955	21	01.5	17.90	19	98.7	A5	GC	1147	P -73 58
24		7.5T	55 57.391	-0.0070	12	-76 49 27.26	0.012	11	0.64	57.751	19	98.4	27.89	17	97.6	G5	GC	1171	P -77 37
25		9.1	57 47.182	-0.0024	25	-74 1 7.05	-0.042	36	1.63	47.301	53	00.9	4.99	63	00.9		M4	192	P -74 79
26		8.2T	58 7.959	-0.0072	12	-76 5 0.84	0.006	11	0.64	8.328	18	98.4	1.18	18	95.6	F5	GC	1210	P -76 81
27		9.2T	58 15.285	-0.0064	13	-76 4 57.67	0.007	12	0.67	15.600	19	00.4	58.06	19	96.9	F8	GC	1215	P -76 82
28		8.0	58 24.060	-0.0038	25	-70 26 50.18	-0.065	36	1.80	24.272	53	94.9	46.58	63	94.9		M4	193	P -70 44
29		8.0T	59 15.895	0.0062	11	-72 57 58.47	0.003	11	0.60	15.589	19	00.5	58.62	19	97.7	K0	GC	1238	P*-73 59
30		7.6T	59 52.099	0.0030	12	-71 49 5.02	-0.062	11	0.63	51.950	22	99.5	1.85	19	99.1	K0	GC	1247	P -72 76
31		7.3T	1 1 24.343	0.0119	12	-77 49 5.66	-0.014	12	0.66	23.735	21	99.0	4.92	19	96.8	G5	GC	1287	P -78 28
32		8.6T	2 38.633	0.0000	12	-78 36 45.23	0.049	12	0.64	38.630	21	01.5	47.77	19	98.1	A0	GC	1355	P -79 25
33		8.6T	2 44.749	0.0022	12	-72 31 13.89	-0.004	12	0.67	44.634	19	98.5	13.67	18	95.8	K0	GC	1306	P*-72 79
34		8.3	2 49.372	0.0071	25	-70 48 34.69	-0.070	36	1.77	48.988	53	95.9	30.89	63	95.9		M4	204	P -71 36
35		7.5T	3 29.821	0.0274	13	-72 0 7.73	0.057	12	0.67	28.448	19	99.8	10.73	19	97.0	K0	GC	1323	P -72 83
36		8.2T	3 43.482	0.0128	15	-72 49 12.34	-0.122	13	0.74	42.857	21	01.0	5.96	19	97.8	G0	GC	1329	P -73 63
37		8.5T	3 45.325	0.0109	10	-78 33 54.58	0.017	11	0.61	44.734	19	96.0	55.50	19	95.4	A0	GC	1330	P -78 29
38		7.9T	3 47.716	-0.0002	13	-71 12 2.71	0.010	11	0.66	47.725	19	99.7	3.24	19	96.0	K0	GC	1331	P -71 37
39		8.2T	4 23.241	0.0019	12	-77 51 5.10	0.032	11	0.64	23.143	22	99.2	6.81	21	96.7	B8	GC	1347	P -78 30
40		8.9	5 40.485	0.0168	25	-76 7 6.48	0.006	36	1.68	39.633	53	99.2	6.80	63	99.2		M4	217	P -76 88
41		9.4	5 46.749	-0.0223	20	-75 21 45.89	0.006	36	1.63	47.843	53	00.9	46.12	63	00.9		M4	219	P -75 74
42		9.4	6 1.664	-0.0105	20	-78 58 30.28	0.029	36	1.55	2.150	53	03.6	31.62	63	03.6		M4	222	P -79 29
43		8.6	6 3.944	0.0126	25	-74 11 20.65	0.023	36	1.45	3.427	53	08.9	21.60	63	08.9		M4	220	P -74 84
44		8.2T	6 13.141	-0.0092	12	-76 56 24.51	0.031	12	0.64	13.564	21	01.7	26.12	19	98.2	G5	GC	1386	P -77 43
45		9.1	6 36.660	0.0015	25	-73 16 46.45	0.000	36	1.60	36.586	53	01.9	46.46	63	01.9		M4	223	P -73 65
46		8.0	7 4.957	0.0072	25	-72 6 7.16	0.002	36	1.54	4.626	53	03.9	7.23	63	03.9		M4	225	P -72 85
47		8.8	7 24.134	0.0161	25	-70 44 23.95	-0.034	36	1.40	23.473	53	08.9	22.55	63	08.9		M4	228	P -71 43
48		7.2T	8 32.930	0.0069	12	-73 13 23.79	-0.002	09	0.59	32.573	21	98.1	23.66	18	91.2	A0	GC	1435K	P*-73 67
49		8.5T	9 2.491	0.0170	13	-77 28 19.23	0.028	11	0.67	1.657	21	00.9	20.74	19	96.2	F2	GC	1443	P -77 45
50		8.8	9 45.212	0.0001	25	-70 36 49.67	-0.079	36	1.76	45.256	53	95.9	45.39	53	95.9		M4	241	P -71 47
51		7.5T	1 10 47.427	0.0251	13	-74 10 21.41	0.037	12	0.67	46.171	21	99.9	23.36	19	97.5	F8	GC	1471	P -74 88
52		8.2T	11 42.195	0.0062	11	-71 8 46.13	0.011	10	0.59	41.767	22	97.8	46.69	19	98.2	G5	GC	1488	P -71 50
53		8.9	11 47.860	-0.0012	25	-79 19 25.79	-0.067	36	1.52	47.918	53	03.4	22.67	53	03.4		M4	248	P -79 33
54		9.0	11 58.020	-0.0093	25	-75 22 5.71	0.014	36	1.65	58.500	36	98.2	6.42	45	98.2		M4	246	P -75 77
55		9.1	13 31.311	0.0085	33	-73 31 18.57	0.019	43	2.29	30.823	75	92.9	19.66	57	92.9		M3	179	
56		9.1	14 47.661	-0.0069	25	-70 30 8.91	-0.015	36	1.57	47.986	53	02.9	8.20	63	02.9		M4	253	P -70 55
57			14 52.094	0.0028	25	-76 13 41.49	0.034	36	1.71	51.948	53	97.9	43.27	63	97.9		M4	255V	P*-76 91
58		9.4	16 31.803	0.0035	25	-73 32 38.44	-0.053	36	1.74	31.611	45	95.9	35.58	53	95.9		M4	261	P -73 72
59		8.6	16 42.162	0.0047	33	-74 24 59.32	-0.007	43	2.26	41.896	75	93.9	58.94	57	93.9		M3	187	
60		9.2	17 11.906	0.0154	33	-79 45 30.80	0.038	43	2.29	11.025	75	92.9	32.98	57	92.9		M3	191	
61		8.2T	17 28.578	0.0180	12	-71 22 45.82	0.071	11	0.65	27.619	19	96.8	49.67	19	95.6	F5	GC	1604	P -71 58
62		8.0T	18 4.526	0.0386	11	-77 17 35.16	0.051	11	0.62	2.544	19	98.6	37.90	19	96.3	F8	GC	1623	P -77 46
63		10.0	18 18.373	-0.0028	25	-72 3 56.30	-0.000	36	1.37	18.488	53	09.2	56.29	53	09.1		M4	268	P -72 92
64		7.7T	18 18.871	0.0112	13	-76 24 40.42	0.018	12	0.68	18.307	21	99.6	41.45	19	96.4	F8	GC	1628	P -76 93
65		7.7T	18 54.655	-0.0034	09	-73 9 40.14	0.009	11	0.56	54.836	17	97.2	40.61	15	97.2	F0	GC	1637	P -73 74
66		9.0	19 23.345	-0.0092	25	-74 41 9.59	-0.018	36	1.74	23.834	53	96.9	8.63	63	96.9		M4	273	P -75 81
67		8.4T	19 58.201	0.0110	12	-73 17 42.78	0.030	12	0.65	57.661	19	00.9	44.30	19	99.1	K0	GC	1654	P -73 75
68		8.1	20 5.978	-0.0108	25	-72 2 2.09	-0.044	36	1.65	6.520	53	99.9	-59.87	63	99.9		M4	275	P -72 94
69		8.8	20 17.030	-0.0084	25	-73 55 38.22	0.021	36	1.57	17.427	53	02.9	39.21	63	02.9		M4	277	P -74 94
70		8.9	20 49.945	-0.0084	25	-76 25 25.58	0.011	36	1.48	50.333	36	04.1	26.10	45	04.1		M4	278	P -76 95
71		9.2	21 20.917	-0.0183	25	-75 21 11.94	0.056	36	1.54	21.759	53	03.9	14.50	63	03.9		M4	279	P -75 82
72		8.3T	22 31.123	0.0294	12	-76 52 18.56	-0.004	11	0.64	29.623	19	98.9	18.34	19	95.6	G5	GC	1714	P -77 47
73		7.9T	22 41.753	0.0050	10	-72 35 5.29	-0.003	10	0.57	41.488	21	97.3	5.12	19	94.9	A2	GC	1718	P -72 98
74		8.2T	22 46.820	-0.0033	12	-70 56 9.38	0.001	12	0.66	46.993	19	97.3	9.42	19	95.7	A5	GC	1720	P -71 61
75		9.0	23 17.534	-0.0111	25	-78 19 41.86	-0.010	36	1.63	18.078	53	00.9	41.36	63	00.9		M4	285	P -78 35
76		9.5	24 17.530	0.0147	25	-75 15 52.80	0.046	36	1.45	16.801	45	05.9	54.81	53	05.9		M4	288	P -75 84
77		9.1	24 27.409	-0.0098	25	-71 29 14.42	-0.013	36	1.50	27.852	45	04.9	13.82	63	04.9		M4	287	P -71 62
78		8.6	25 20.327	0.0133	25	-73 0 32.76	-0.015	36	1.38	19.772	45	08.2	32.13	53	08.2		M4	290	P -73 80
79		7.3T	26 20.653	-0.0000	10	-71 57 49.25	0.052	08	0.54	20.655	21	96.3	52.15	18	94.0	G5	GC	1792	P -72 101
80		9.0	26 25.054	-0.0019	25	-71 6 56.03	0.039	36	1.37	25.129	53	09.9	57.58	63	09.9		M4	294	P -71 65
81		7.6T	26 45.073	0.0054	12	-75 18 7.15	0.029	11	0.64	44.809	22	01.1	8.66	21	97.6	M0	GC	1800	P -75 88
82		8.4	27 5.302	0.0071	25	-70 23 13.57	0.019	36	1.34	5.015	45	09.8	14.32	53	09.8		M4	299	P -70 70
83		8.1T	27 27.798	0.0008	12	-79 17 56.44	0.012	12	0.65	27.868	21	00.9	57.06	19	97.8	G5	GC	1815	P*-79 37
84		8.9	27 51.410	0.0113	25	-72 27 8.18	0.041	36	1.53	50.894	53	04.2	10.06	63	04.2		M4	300	P -72 103
85		9.1	27 54.268	0.0016	33	-77 33 14.77	0.071	43	2.29	54.174	75	92.9	18.83	57	92.9		M3	214	
86		8.3	29 6.612	-0.0135	25	-73 25 52.02	-0.051	36	1.45	7.191	53	06.9	49.83	63	06.9		M4	303	P -73 85
87		9.0	29 41.437	-0.0179	25	-70 52 17.62	0.001	36	1.66	42.332	53	99.9	17.66	63	99.9		M4	304	P -71 67
88		8.4	30 16.760	-0.0073	25	-70 14 58.16	0.009	36	1.63	10.400	53	00.9	58.62	63	00.9		M4	305	P -70 77
89		9.2	30 53.751	-0.0194	25	-79 13 3.36	0.013	36	1.55	54.599	53	03.6	3.98	63	03.6		M4	313	P -79 39
90		8.3	31 10.259	0.0186	25	-77 10 13.05	0.006	36	1.63	9.344	53	00.9	13.33	63	00.9		M4	311	P -77 54
91		7.6T	31 20.361	0.0035	13	-78 19 31.69	-0.020	12	0.66	20.191	22	00.6	30.66	19	99.6	G5	GC	1891	P -78 36
92		7.6T	32 13.593	-0.0092	10	-71 7 24.49	-0.020	12	0.61	14.095	18	95.7	23.42	18	96.4	F5	GC	1907	P -71 69
93		9.0	32 26.758	0.0505	33	-73 57 43.18	0.059	43	2.29	23.874	75	92.9	51.57	57	92.9		M3	218	
94		6.1H	33 17.896	-0.0081	02	-78 45 30.50	-0.127	02	0.09	18.211	04	11.1	25.95	04	14.1	G5	F4	53	P -79 40
95		8.1	33 47.526	0.0141	25	-75 57 7.44	0.051	36	1.44	46.924	53	07.3	9.61	63	07.3		M4	320	P -76 112
96		8.0	35 28.678	-0.0170	25	-70 12 22.98	-0.056	36	1.52	29.483	31	02.6	20.31	45	02.6		M4	325	P -70 83
97		8.4	35 52.601	-0.0024	25	-76 37 36.30	-0.014	36	1.38	52.701	45	08.2	35.70	53	08.2		M4	329	P -77 58
98		8.5	36 50.968	-0.0009	33	-75 41 0.34	-0.011	43	2.25	51.021	75	93.9	-59.72	57	93.9		M3	227	
99		8.1T	38 39.329	0.0144	12	-76 16 25.90	0.005	12	0.64	39.222	21	01.5	26.15	19	98.4	A2	GC	2048K	P*-76 123
00		9.2	38 41.275	0.0161	33	-71 58 18.51	0.081	43	2.29	40.355	75	92.9	23.13	57	92.9		M3	229	

255800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 1H DM NUMBER
1		8.4T	1 39 4.898	0.0098	13	-75 14 12.31	0.049	12	0.66	4.424	21	01.6	14.89	19	97.9	F5	GC	2061	P -75 111
2		8.4T	39 14.019	0.0435	14	-70 14 21.50	-0.002	13	0.72	11.903	21	01.4	21.39	21	99.5	F5	GC	2066	P -70 87
3		8.0T	40 22.876	-0.0046	12	-76 29 41.35	0.023	12	0.66	23.110	21	99.0	42.58	19	96.2	F5	GC	2098K	P*-76 125
4		8.3T	40 36.629	0.0064	13	-75 54 55.91	0.027	12	0.68	36.315	22	00.7	57.36	19	95.9	B3	GC	2105	P -76 126
5		9.3	40 51.849	-0.0028	25	-72 33 54.11	0.003	36	1.65	51.990	53	99.9	54.27	63	99.9		M4	347	P -72 109
6		6.2T	41 17.558	0.0206	05	-79 24 1.01	0.017	05	0.23	16.688	07	07.8	1.77	07	06.3	K0	GC	2111K	P -79 44
7		9.2	42 7.933	-0.0005	25	-73 23 17.39	-0.010	36	1.52	7.957	53	04.6	16.92	63	04.6		M4	349	P -73 100
8		8.7	42 13.886	0.0041	25	-78 29 41.64	0.048	36	1.45	13.705	45	05.7	43.78	53	05.7		M4	352	P -78 38
9		9.1	43 32.291	-0.0030	25	-70 48 38.36	-0.034	36	1.72	32.445	53	97.9	36.59	63	97.9		M4	355	P -71 76
10		9.5	43 45.305	0.0102	25	-72 21 30.20	-0.006	36	1.37	44.895	53	09.8	29.98	63	09.8		M4	357	P -72 116
11		10.0	43 47.862	-0.0065	25	-74 14 19.08	0.017	36	1.33	48.122	45	09.9	19.78	53	09.9		M4	358	P -74 124
12		8.5T	44 22.451	0.0117	13	-79 59 26.46	-0.038	12	0.69	21.870	22	00.2	24.41	21	96.1	F5	GC	2168	P*-80 32
13		7.8T	44 27.161	0.0124	12	-73 48 10.06	-0.006	08	0.56	26.534	21	99.3	9.77	18	98.1	F0	GC	2170	P -74 126
14		7.3T	45 3.184	0.0065	14	-77 36 23.86	0.003	12	0.69	2.872	22	01.6	23.99	21	97.3	F5	GC	2181	P -77 64
15		7.3T	45 53.784	0.0113	12	-74 59 22.14	0.104	12	0.66	53.218	22	99.9	27.62	21	97.4	G0	GC	2197	P -75 123
16		8.1	46 19.017	0.0040	25	-70 7 53.31	-0.018	36	1.48	18.834	45	04.7	52.48	53	04.7		M4	365	P -70 93
17		9.2	48 7.964	-0.0214	25	-76 40 34.81	-0.040	36	1.37	8.836	53	09.2	33.16	53	09.1		M4	379	P -77 69
18		7.8T	48 26.128	0.0032	08	-72 39 34.34	0.008	07	0.38	25.991	14	06.7	34.71	14	05.0	B9	GC	2239	P -73 107
19		9.5	48 27.370	-0.0020	25	-70 41 31.41	0.013	36	1.72	27.472	53	97.6	32.09	63	97.6		M4	375	P -71 79
20		8.2	48 50.277	0.0077	25	-78 43 54.18	0.002	36	1.63	49.894	53	00.3	54.31	53	00.2		M4	383	P -79 45
21		9.1	49 11.740	0.0232	25	-75 4 29.43	-0.054	36	1.63	10.603	53	00.9	26.80	63	00.9		M4	381	P -75 128
22		8.8	49 23.497	0.0621	25	-72 11 45.87	-0.051	36	1.60	20.509	53	01.9	43.41	63	01.9		M4	380	P -72 120
23		8.6T	49 37.040	0.0167	14	-74 1 3.59	0.026	12	0.67	36.256	21	03.0	4.94	19	99.0	A3	GC	2263	P -74 135
24		8.9	50 38.509	-0.0039	25	-72 9 24.58	0.025	36	1.53	38.691	45	03.2	25.75	53	03.2		M4	385	P -72 121
25		9.2	50 57.174	-0.0158	25	-77 15 26.67	0.031	36	1.52	57.890	53	04.6	28.06	63	04.6		M4	390	P -77 72
26		8.7	51 17.249	-0.0009	25	-76 14 22.02	-0.018	36	1.71	17.296	53	97.9	21.08	63	97.9		M4	391	P -76 147
27		9.5	52 1.823	0.0049	25	-78 2 31.03	0.040	36	1.48	1.604	45	04.9	32.82	53	04.9		M4	396	P -78 39
28		9.7	52 30.415	0.0270	25	-70 32 51.68	0.018	36	1.92	28.955	89	96.0	52.65	*	96.0		M4	394	P -70 99
29		9.1	52 35.507	-0.0151	25	-74 52 23.43	-0.066	36	1.72	36.292	53	97.9	19.99	63	97.9		M4	397	P -75 134
30		9.1	53 10.272	-0.0015	25	-73 25 7.70	-0.033	36	1.63	10.347	53	00.9	6.06	63	00.9		M4	398	P -73 117
31		7.2T	53 57.258	0.0010	09	-77 44 10.64	0.047	09	0.56	57.206	21	95.5	13.28	19	93.2	F0	GC	2337	P -78 40
32		9.4	54 56.565	-0.0045	25	-74 5 18.25	-0.000	36	1.62	56.784	53	01.3	18.26	63	01.3		M4	404	P -74 149
33		9.1	55 18.066	-0.0090	25	-70 13 54.19	-0.007	36	1.77	18.497	53	95.9	53.80	63	95.9		M4	403	P -70 101
34		8.7	55 29.745	-0.0283	25	-79 5 40.26	-0.027	36	1.58	31.089	53	02.6	39.01	63	02.6		M4	411	P -79 48
35		6.2T	55 53.772	0.0325	05	-78 35 34.84	0.054	04	0.24	52.240	10	02.9	37.55	09	00.2	F2	GC	2377	P*-78 42
36		7.5T	56 25.773	0.0066	13	-75 36 33.73	0.033	12	0.68	25.440	19	99.9	35.50	17	96.2	K0	GC	2388	P -75 140
37		8.5	57 26.521	0.0052	25	-72 52 15.76	-0.046	36	1.71	26.244	45	96.9	13.32	53	96.9		M4	413	P -73 124
38		7.6T	58 1.622	0.0118	12	-79 0 23.03	0.011	11	0.63	1.014	22	98.4	23.67	19	94.3	F5	GC	2427	P -79 50
39		6.9T	2 1 14.157	0.0350	12	-79 6 35.85	-0.046	11	0.64	12.398	22	99.7	33.39	21	96.1	F8	GC	2487	P -79 51
40		8.6	1 19.149	0.0025	33	-73 44 26.62	0.002	43	2.29	19.007	75	92.9	26.76	57	92.9		M3	277	
41		7.0T	1 21.254	0.0044	09	-74 41 8.53	-0.013	08	0.53	21.015	21	95.2	7.79	19	92.0	MB	GC	2490	P -75 144
42		6.9T	1 40.393	-0.0022	10	-70 39 35.57	0.020	08	0.54	40.514	21	94.1	36.69	18	94.0	G5	GC	2498	P -71 98
43		9.3	1 54.635	-0.0184	25	-77 12 49.32	0.052	36	1.65	55.554	53	99.9	51.90	63	99.9		M4	422	P -77 86
44		9.1	2 55.471	-0.0069	25	-76 8 28.94	-0.043	36	1.68	55.823	53	98.9	26.74	63	98.9		M4	425	P -76 161
45		9.0	3 42.637	-0.0061	25	-78 14 55.56	-0.091	36	1.41	42.892	53	08.6	51.77	63	08.6		M4	429	P -78 43
46		8.3T	4 1.010	0.0046	12	-78 56 11.54	0.073	11	0.61	0.784	19	01.0	15.47	19	96.5	F2	GC	2535	P -79 52
47		7.4T	4 51.763	0.0207	12	-71 50 43.81	0.060	12	0.67	50.706	21	98.9	47.08	19	95.7	G5	GC	2545	P -72 143
48		8.9	4 53.126	0.0020	25	-70 52 9.71	-0.055	36	1.36	53.043	53	09.5	7.47	53	09.2		M4	430	P -71 106
49		8.7	4 56.138	0.0022	25	-72 59 38.16	0.057	36	1.63	56.027	45	99.7	41.04	53	99.7		M4	431	P -73 138
50		8.7	6 48.772	0.0165	25	-73 38 44.75	0.020	36	1.57	47.997	53	02.9	45.71	63	02.9		M4	437	P -74 166
51		8.7	2 7 12.321	-0.0241	25	-74 47 54.76	-0.030	36	1.70	13.566	53	98.3	53.21	63	98.3		M4	441	P -75 149
52		9.2	7 19.183	0.0009	25	-74 56 3.18	-0.023	36	1.51	19.141	53	04.9	2.15	63	04.9		M4	442	P -75 150
53		9.2T	7 37.932	-0.0062	14	-78 9 27.83	-0.002	13	0.69	38.224	21	03.2	27.71	19	99.3	K0	GC	2597	P -78 45
54		9.8	8 56.890	0.0026	25	-76 51 23.66	-0.005	36	1.40	56.782	53	08.9	23.43	63	08.9		M4	453	P -77 93
55		8.8	9 20.769	0.0042	33	-72 43 50.76	-0.037	43	2.25	20.534	75	94.0	48.70	57	94.0		M3	300	
56		9.0	10 14.589	0.0017	25	-74 18 11.64	0.031	36	1.72	14.503	53	97.9	13.27	63	97.9		M4	457	P -74 176
57		6.7T	10 21.599	0.0326	05	-76 51 30.84	0.008	04	0.24	20.053	09	02.6	31.20	09	02.7	F0	GC	2657	P -77 95
58		6.9T	10 45.146	0.0032	12	-76 11 35.69	-0.004	11	0.63	44.987	21	00.2	35.46	19	95.4	G5	GC	2665	P -76 170
59		7.3T	10 55.336	0.0066	09	-74 44 8.42	0.014	08	0.52	54.968	21	94.1	9.23	17	92.6	K0	GC	2670	P*-75 156
60		7.1T	11 7.217	0.0019	12	-71 11 6.10	0.003	11	0.63	7.127	19	01.1	6.26	19	96.6	G5	GC	2676K	P -71 110
61		7.9T	11 7.346	0.0062	16	-76 31 58.86	-0.021	12	0.72	7.058	24	03.5	57.74	21	97.6	F5	GC	2677	P -76 173
62		8.9T	11 27.942	0.0025	14	-74 19 17.64	0.006	12	0.69	27.824	22	02.9	17.96	21	99.2	A5	GC	2683	P -74 180
63		9.5T	14 9.086	0.0617	20	-79 15 27.06	0.076	18	0.89	6.367	24	05.9	30.57	24	04.1	G5	GC	2735	P -79 56
64		6.5T	14 18.662	0.0063	09	-76 35 23.97	0.016	09	0.55	18.299	17	92.6	24.86	15	92.4	G5	GC	2741	P -76 181
65		8.6	15 32.068	-0.0080	33	-70 32 45.14	0.001	43	2.25	32.515	75	94.0	45.20	57	94.0		M3	317	
66		8.8	15 39.228	-0.0015	25	-74 4 32.79	0.027	36	1.57	39.297	53	02.9	34.08	63	02.9		M4	479	P -74 186
67		9.1	15 44.795	-0.0041	25	-74 53 35.75	-0.019	36	1.66	45.001	45	99.2	34.79	63	99.6		M4	480	P -75 163
68		9.0T	16 25.718	0.0105	17	-79 15 15.63	0.002	16	0.80	25.238	24	04.1	15.75	22	02.5	G0	GC	2791	P -79 57
69		9.0	16 49.578	0.0021	25	-71 17 59.79	0.016	36	1.62	49.476	53	01.2	+ 0.57	63	01.2		M4	482	P -71 121
70		8.6	16 57.482	-0.0253	33	-78 52 59.35	-0.027	43	2.29	58.926	75	92.9	57.84	57	92.9		M3	326	
71		8.7	18 3.212	-0.0090	25	-70 6 53.83	0.075	36	1.80	3.705	53	95.0	57.94	63	95.0		M4	486	P -70 140
72		8.1	18 13.285	0.0060	25	-70 54 25.74	0.037	36	1.77	12.959	53	96.0	27.75	63	96.0		M4	487	P -71 122
73		8.4	18 43.495	-0.0049	25	-78 19 10.91	0.006	36	1.72	43.750	53	97.9	11.23	63	97.9		M4	493	P -78 48
74		8.9	18 57.600	-0.0068	25	-77 25 58.50	0.036	36	1.57	57.919	53	02.9	+ 0.17	63	02.9		M4	494	P -77 105
75		8.7	19 35.735	0.0152	25	-73 3 32.44	0.119	36	1.74	34.928	53	96.9	38.77	63	96.9		M4	492	P -73 157
76		8.1	20 14.974	-0.0035	25	-73 32 27.36	-0.017	36	1.60	15.148	45	01.0	26.54	53	01.0		M4	496	P -73 161
77		9.0	20 21.254	0.0055	25	-73 58 14.83	0.124	36	1.59	20.992	53	02.3	20.76	63	02.3		M4	498	P -74 191
78		8.4	20 24.075	-0.0038	25	-72 32 20.84	0.034	36	1.74	24.278	53	97.0	22.66	63	97.0		M4	497	P -72 173
79		9.0	20 50.979	0.0045	25	-73 34 11.94	-0.035	36	1.63	50.761	53	01.0	10.25	63	01.0		M4	499	P -73 163
80		6.0H	22 33.336	-0.0191	04	-73 52 19.85	0.013	03	0.13	34.004	06	15.0	20.27	06	16.2	K0	F4	1067	P -74 194
81		8.0T	23 59.112	0.0145	11	-74 39 42.47	0.070	11	0.58	58.408	19	01.3	46.09	19	98.4	K0	GC	2936	P*-75 172
82		8.9	23 59.213	0.0087	25	-74 23 50.52	0.042	36	1.71	58.763	53	98.0	52.73	63	98.0		M4	508	P -74 200
83		7.4T	24 46.418	0.0058	13	-70 19 35.76	0.016	12	0.67	46.130	22	00.6	36.59	21	97.6	A5	GC	2948	P -70 151
84		8.8	25 4.227	-0.0074	25	-77 1 59.38	-0.019	36	1.74	4.698	53	97.0	58.35	63	97.0		M4	513	P -77 109
85		8.7	25 20.659	-0.0101	25	-77 58 39.22	-0.005	36	1.60	21.146	53	01.9	38.95	63	01.9		M4	517	P -78 51
86		8.8	26 2.006	0.0141	33	-71 42 56.41	0.036	43	2.29	1.201	75	92.9	58.46	57	92.9		M3	343	
87		8.6	26 20.767	-0.0050	25	-70 7 51.19	-0.046	36	1.65	21.016	53	99.9	48.88	63	99.9		M4	515	P -70 154
88		9.1	26 54.450	-0.0033	25	-74 17 52.25	-0.080	36	1.63	54.615	53	00.9	48.35	63	00.9		M4	524	P -74 206
89		9.0	27 29.302	0.0111	25	-76 15 44.05	-0.015	36	1.74	28.713	53	96.9	43.25	63	96.9		M4	527	P -76 202
90		7.0T	27 33.851	0.0024	12	-75 57 49.08	0.030	10	0.62	33.732	21	99.7	50.72	19	95.0	K0	GC	2999	P -76 201
91		8.4	28 18.135	0.0019	33	-77 38 24.75	0.067	43	2.29	18.030	75	92.9	28.55	57	92.9		M3	353	
92		8.5	28 31.334	-0.0188	25	-72 45 18.34	-0.046	36	1.38	32.120	45	08.2	16.43	53	08.2		M4	530	P -73 173
93		9.0	29 23.301	0.0005	25	-73 28 49.29	0.014	36	1.63	23.279	53	01.0	49.96	63	01.0		M4	534	P -73 175
94		8.4	29 27.830	0.0081	25	-71 8 13.92	-0.055	36	1.77	27.395	53	96.0	10.95	63	96.0		M4	533	P -71 138
95		8.0T	30 12.737	0.0145	14	-76 0 20.43	0.051	12	0.69	12.039	22	01.8	23.14	21	96.5	F5	GC	3057	P -76 206
96		8.3	31 50.467	-0.0051	25	-70 20 11.43	-0.010	36	1.77	50.744	53	95.9	10.90	63	95.9		M4	539	P -70 164
97		8.2	32 0.391	-0.0131	25	-78 35 14.29	-0.010	36	1.74	1.087	53	96.9	13.78	63	96.9		M4	548	P -78 57
98		5.3H	32 40.904	0.0460	02	-79 19 40.34	-0.043	02	0.09	39.042	04	09.5	38.76	04	13.6	K0	F4	90	P -79 66
99		8.2T	32 45.144	-0.0166	12	-72 39 47.76	0.050	12	0.65	45.994	21	98.7	50.42	19	97.1	G0	GC	3104	P -72 190
00		9.3	33 18.344	-0.0028	25	-75 48 27.96	0.025	36	1.54	18.473	53	03.9	29.10	63	03.9		M4	550	P -76 210

255900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 2H DM NUMBER
1		7.0T	2 33 19.996	0.0292	12	-72 34 1.97	-0.010	10	0.61	18.537	17	00.1	1.45	15	95.8	F8	GC	3120	P -72 191
2		7.9	33 21.001	-0.0002	25	-70 59 11.64	0.010	36	1.42	21.008	53	08.3	12.07	63	08.3		M4	547	P -71 144
3		8.7	33 26.794	0.0110	25	-77 50 48.16	0.061	36	1.54	26.288	53	04.0	50.99	63	04.0		M4	555	P -78 59
4		7.0T	33 27.905	0.0246	12	-76 6 43.90	0.040	11	0.62	26.695	19	00.8	46.01	18	96.8	F2	GC	3124K	P -76 211
5		8.7	33 47.513	0.0212	25	-75 18 2.03	0.013	36	1.57	46.517	53	03.0	2.64	63	03.0		M4	553	P -75 188
6		8.0T	33 59.527	0.0072	10	-74 14 29.38	0.009	07	0.52	59.135	19	95.8	29.92	18	87.4	A2	GC	3135	P -74 215
7		8.0T	34 4.613	0.0044	14	-79 15 14.96	0.016	10	0.64	4.401	22	01.9	15.84	18	95.9	K0	GC	3138	P -79 68
8		9.7	36 33.517	0.0054	25	-74 35 48.28	0.028	36	1.63	33.252	53	01.0	49.67	63	01.0		M4	560	P -74 222
9		8.2	38 3.197	0.0140	25	-73 4 50.26	0.034	36	1.40	2.623	53	09.0	51.67	63	09.0		M4	563	P -73 185
10		6.7T	38 21.889	0.0047	12	-70 53 39.67	0.007	09	0.55	21.663	19	02.1	40.07	17	95.5	K0	GC	3227	P -71 154
11		9.0	39 30.244	-0.0037	25	-74 14 9.86	-0.015	36	1.54	30.416	53	03.9	9.16	63	03.9		M4	569	P -74 225
12		8.2T	40 52.322	0.0108	13	-74 32 11.53	-0.012	12	0.69	51.778	21	99.6	10.91	19	95.8	K0	GC	3280	P*-74 226
13		8.4T	41 2.093	0.0369	13	-71 40 26.85	-0.072	11	0.66	0.280	22	00.8	23.01	19	96.5	G5	GC	3285	P -71 156
14		8.9	42 11.599	-0.0000	25	-73 1 8.86	0.053	36	1.51	11.670	45	03.7	10.41	53	03.7		M4	576	P -73 188
15		7.7T	42 25.331	0.0069	12	-71 24 59.02	-0.002	12	0.66	24.980	19	99.5	58.93	19	96.3	M8	GC	3311	P -71 159
16		8.9	44 20.949	0.0027	33	-76 40 45.67	0.074	43	2.29	20.792	75	92.9	49.92	57	92.9		M3	391	
17		8.8	44 58.791	-0.0071	25	-78 34 40.51	-0.024	36	1.37	59.078	53	09.8	39.56	63	09.8		M4	593	P -78 69
18		8.9	45 4.485	0.0143	25	-75 2 27.76	0.065	36	1.44	3.875	53	07.3	30.55	63	07.3		M4	589	P -75 201
19		6.8T	45 13.327	0.0145	08	-71 26 43.32	-0.001	09	0.51	12.499	18	92.7	43.28	17	93.0	F2	GC	3360	P -71 165
20		8.0	45 52.281	0.0039	25	-78 35 2.60	-0.060	36	1.43	52.113	45	06.6	0.45	53	06.6		M4	595	P -78 70
21		7.6T	46 59.811	0.0204	12	-76 24 7.21	0.046	11	0.59	58.827	19	01.8	9.51	18	99.7	K0	GC	3386	P -76 217
22		8.5	47 29.106	-0.0090	25	-77 43 44.99	-0.030	36	1.57	29.541	45	01.7	43.56	53	01.7		M4	600	P -78 71
23		8.9	48 21.764	0.0003	25	-74 12 0.91	0.010	36	1.74	21.750	53	96.9	1.42	63	96.9		M4	601	P -74 231
24		9.0	48 25.002	0.0093	25	-75 4 17.07	0.025	36	1.58	24.562	53	02.6	18.26	63	02.6		M4	602	P -75 202
25		8.4	48 41.282	0.0069	25	-70 25 30.01	0.014	36	1.57	40.959	53	03.0	30.67	63	03.0		M4	599	P -70 181
26		7.0T	48 46.561	-0.0025	11	-74 2 53.89	0.028	09	0.58	46.689	21	97.8	55.51	18	91.4	K5	GC	3430	P -74 232
27		9.2	49 54.505	0.0037	25	-76 31 0.80	-0.011	36	1.67	54.312	45	98.4	0.26	53	98.4		M4	606	P -76 218
28		9.2	50 24.711	-0.0282	25	-79 9 45.57	-0.083	36	1.53	26.000	53	04.3	41.79	63	04.3		M4	616	P -79 77
29		4.7T	50 46.274	-0.0071	06	-75 16 16.60	-0.018	05	0.29	46.620	09	01.3	15.66	09	97.0	K2	GC	3463	P*-75 204
30		9.1	50 50.143	0.0010	25	-72 25 1.47	0.034	36	1.54	50.099	53	04.0	3.01	63	04.0		M4	607	P -72 205
31		8.5	51 20.715	-0.0017	25	-75 10 3.60	0.042	36	1.73	20.805	45	97.0	5.83	63	97.0		M4	614	P -75 205
32		9.6	51 37.099	0.0152	25	-76 11 55.23	-0.008	36	1.60	36.367	53	01.9	54.84	63	01.9		M4	619	P -76 219
33		8.8	53 38.278	-0.0042	25	-70 15 7.29	-0.014	36	1.43	38.453	53	08.0	6.70	63	08.0		M4	620	P -70 190
34		7.6T	54 6.582	-0.0023	13	-78 3 55.72	0.026	12	0.68	6.698	21	99.7	57.13	19	96.4	K5	GC	3540	P -78 77
35		8.9	55 49.386	-0.0250	25	-78 16 58.75	-0.069	36	1.68	50.559	53	99.0	55.26	63	99.0		M4	635	P -78 81
36		9.0	56 7.881	-0.0018	25	-76 52 23.12	-0.012	36	1.71	7.789	53	98.0	22.52	63	98.0		M4	633	P -77 129
37		8.6	56 26.709	-0.0140	25	-77 51 20.58	0.064	36	1.58	27.368	45	01.5	23.23	53	01.4		M4	636	P -78 82
38		9.1	57 14.896	0.0099	25	-77 27 53.28	-0.035	36	1.58	14.427	53	02.6	51.64	63	02.6		M4	634	P -71 177
39		8.0T	57 49.072	-0.0104	12	-79 47 32.19	0.013	11	0.64	49.607	22	98.6	32.86	21	96.6	K0	GC	3610	P*-80 70
40		8.4	57 52.313	0.0139	25	-72 44 41.61	0.034	36	1.45	51.713	53	07.0	43.08	63	07.0		M4	640	P -73 197
41		9.4	57 54.834	0.0208	25	-70 57 35.68	0.049	36	1.76	53.716	53	96.3	38.32	63	96.3		M4	638	P -71 178
42		8.7	59 10.436	0.0160	25	-77 51 24.58	0.063	36	1.59	9.673	53	02.3	27.60	63	02.3		M4	645	P -78 83
43		9.1	3 1 2.171	-0.0080	25	-79 19 31.99	0.006	36	1.54	2.538	53	04.0	32.28	63	04.0		M4	652	P -79 85
44		8.7	1 49.041	-0.0010	25	-76 21 55.18	-0.036	36	1.71	49.093	53	98.0	53.28	63	98.0		M4	650	P -76 224
45		5.5H	2 8.283	0.0065	02	-72 5 51.70	0.019	02	0.10	7.999	05	06.2	52.43	05	11.1	B8	F4	113	P -72 219
46		8.3	2 48.122	0.0179	33	-72 39 13.81	0.102	43	2.29	47.098	75	93.0	19.65	57	93.0		M3	428	
47		8.6	3 3.487	-0.0032	25	-70 40 18.29	-0.012	36	1.81	3.663	53	94.7	17.64	63	94.7		M4	653	P -70 204
48		9.3	3 6.562	-0.0242	25	-71 9 36.93	0.020	36	1.51	7.650	53	05.0	37.85	63	05.0		M4	654	P -71 186
49		8.9	3 13.796	0.0122	25	-73 21 52.65	-0.020	36	1.60	13.198	45	01.0	51.66	53	01.0		M4	656	P -73 199
50		8.4	3 26.508	0.0108	25	-78 58 21.33	0.010	36	1.54	25.996	45	02.7	21.82	53	02.8		M4	663	P -79 87
51		6.9T	3 5 18.172	0.0192	12	-74 30 47.05	0.068	12	0.65	17.229	19	00.8	50.12	19	97.3	K0	GC	3738	P -74 239
52		8.0T	5 21.176	0.0088	14	-72 11 46.98	0.021	12	0.68	20.754	21	02.0	48.08	19	98.4	K0	GC	3739	P -72 224
53		7.6T	5 32.139	0.0058	13	-73 39 51.37	0.017	11	0.64	31.851	22	00.4	52.23	18	98.2	G5	GC	3743	P -73 201
54		8.2T	5 35.468	0.0307	14	-77 21 28.13	-0.084	12	0.67	34.011	22	02.5	23.92	19	99.6	G0	GC	3744	P -77 131
55		8.5	5 45.683	0.0100	25	-72 24 20.85	0.024	36	1.53	45.228	53	04.3	21.93	63	04.3		M4	667	P -72 226
56		8.6	5 57.977	-0.0338	25	-75 53 12.39	-0.004	36	1.79	59.824	53	95.3	12.16	63	95.3		M4	670	P -76 227
57		7.2T	6 40.611	0.0002	12	-72 12 58.89	-0.015	10	0.63	40.602	21	98.7	59.74	19	93.8	K0	GC	3765	P -72 228
58		8.8	7 23.929	0.0058	25	-70 4 56.32	-0.024	36	1.45	23.671	45	05.8	55.26	53	05.8		M4	672	P -70 209
59		8.0	7 37.409	0.0169	25	-72 30 45.40	-0.045	36	1.57	36.612	53	03.0	43.30	63	03.0		M4	676	P -72 230
60		9.1	7 49.987	-0.0082	25	-70 18 4.11	-0.065	36	1.61	50.388	45	01.0	0.93	63	01.0		M4	675	P -70 211
61		9.5T	9 6.935	0.0257	13	-79 10 59.53	0.048	15	0.72	5.687	22	01.5	+ 1.84	22	02.2		GC	3816K	P -79 91
62		5.7T	9 10.914	0.0259	06	-79 10 47.85	0.073	04	0.24	9.726	08	04.2	51.38	09	01.8	F0	GC	3819K	P -79 91
63		7.0T	10 41.656	0.0113	14	-74 29 20.13	0.265	12	0.69	41.111	22	01.6	34.07	21	97.3	F5	GC	3846	P -74 242
64		8.7	11 31.635	0.0178	25	-70 11 19.58	-0.000	36	1.65	30.743	53	00.0	19.58	63	00.0		M4	687	P -70 215
65		9.1	11 44.919	-0.0026	25	-74 39 0.94	-0.061	36	1.73	45.065	53	97.3	-57.75	63	97.3		M4	690	P -74 244
66		7.7T	11 56.150	0.0061	13	-74 51 8.58	0.034	12	0.67	55.841	21	99.4	10.42	19	96.8	K0	GC	3867	P -75 225
67		7.9T	12 15.530	0.0139	12	-74 12 10.35	0.069	12	0.65	14.802	21	97.8	14.03	21	96.4	A5	GC	3877	P -74 245
68		8.5	12 30.456	0.0040	25	-77 59 35.14	-0.014	36	1.54	30.268	45	03.0	34.51	53	03.0		M4	701	P -78 89
69		7.9T	15 30.296	-0.0075	12	-79 0 38.60	0.007	11	0.64	30.681	22	98.9	39.00	19	95.1	F0	GC	3943	P -79 98
70		7.8T	16 26.248	0.0065	13	-73 43 54.01	0.034	12	0.67	26.223	21	01.0	55.77	19	97.6	A3	GC	3960	P -74 248
71		8.5	16 38.516	-0.0051	25	-71 29 59.90	-0.085	36	1.39	38.728	53	08.6	56.40	53	08.7		M4	705	P -71 199
72		9.0	16 46.466	0.0067	33	-76 42 29.76	0.024	43	2.29	46.082	75	92.9	31.15	57	92.9		M3	452	
73		5.5H	17 9.867	0.0351	03	-77 34 17.51	0.066	03	0.12	8.621	06	14.6	19.78	05	15.7	F2	F4	1095	P -77 134
74		8.1	17 39.002	-0.0102	25	-70 39 42.80	-0.086	36	1.77	39.552	53	96.0	38.17	63	96.0		M4	708	P -70 220
75		9.0	17 55.021	0.0253	25	-75 14 19.73	0.068	36	1.57	53.832	53	03.0	22.46	63	03.0		M4	713	P -75 228
76		9.4	18 15.377	0.0088	25	-71 18 24.12	0.037	36	1.65	14.935	53	00.0	25.99	63	00.0		M4	711	P -71 200
77		8.4	18 45.248	0.0010	25	-73 14 43.11	-0.017	36	1.48	45.205	53	06.0	42.38	63	06.0		M4	714	P -73 208
78		9.1	18 54.777	-0.0001	12	-72 44 4.42	0.039	36	1.45	54.779	45	05.7	6.16	53	05.7		M4	715	P -73 209
79		7.2T	19 23.330	0.0002	13	-74 9 53.29	-0.095	12	0.69	23.317	21	00.1	48.32	19	97.8	F2	GC	4020	P*-74 250
80		8.0	20 9.562	-0.0001	25	-72 9 32.88	-0.035	36	1.65	9.568	53	00.0	31.14	63	00.0		M4	718	P -72 238
81		9.1	20 14.450	0.0032	25	-73 28 21.53	0.013	36	1.63	14.293	53	01.0	22.16	63	01.0		M4	719	P -73 211
82		8.1T	21 57.556	0.0020	12	-74 46 18.76	0.017	11	0.62	57.456	21	00.4	19.68	19	97.6	A3	GC	4064	P*-75 231
83		9.2	22 53.273	-0.0002	33	-70 58 1.91	-0.094	43	2.29	53.282	75	93.0	-56.57	57	93.0		M3	463	
84		9.6T	22 58.119	0.0021	18	-71 51 34.22	0.034	15	0.79	58.026	24	05.1	35.82	21	03.3	K2	GC	4084	P -72 240
85		9.2	23 1.820	-0.0090	25	-78 14 55.56	-0.008	36	1.57	2.243	53	03.0	50.21	63	03.0		M4	736	P -78 96
86		8.1	24 5.202	0.0042	25	-73 31 10.18	-0.019	36	1.62	4.996	53	01.0	9.23	63	01.0		M4	734	P -73 213
87		9.2	24 53.536	0.0068	25	-70 17 42.48	0.054	36	1.65	53.194	53	00.0	45.18	63	00.0		M4	737	P -70 231
88		6.9T	25 46.955	-0.0089	08	-76 55 9.93	-0.067	07	0.46	47.443	17	95.4	6.15	17	93.2	A0	GC	4134	P -77 135
89		9.6T	25 58.109	0.0092	12	-79 31 52.13	0.151	12	0.66	57.639	21	99.2	59.84	21	98.8	K	GC	4143	P -79 101
90		9.2	27 0.837	-0.0111	25	-78 50 23.78	-0.019	36	1.64	1.411	36	98.5	22.82	45	98.5		M4	753	P -79 102
91		7.8	27 11.972	-0.0000	25	-73 18 24.71	0.025	36	1.40	11.973	53	09.0	25.75	63	09.0		M4	747	P -73 218
92		9.2	28 22.108	0.0069	25	-71 37 22.45	-0.021	36	1.62	21.772	53	01.0	21.43	63	01.0		M4	752	P -71 209
93		7.7T	29 26.810	0.0151	11	-77 47 3.29	-0.024	10	0.61	25.941	12	92.5	4.71	12	91.9	K0	GC	4219	P -78 99
94		9.1	30 11.771	-0.0103	33	-75 49 31.71	-0.026	43	2.29	12.360	75	93.0	30.22	57	93.0		M3	481	
95		9.0	30 31.428	-0.0030	25	-73 14 11.51	0.031	36	1.56	31.571	45	02.0	13.00	53	02.0		M4	761	P -73 224
96		7.7T	30 47.925	0.0030	11	-74 45 50.14	0.037	10	0.62	47.764	21	96.9	52.26	18	92.7	A0	GC	4247	P -75 236
97		7.8	31 19.799	-0.0080	25	-72 32 27.64	-0.080	36	1.69	20.220	45	97.6	23.42	45	97.2		M4	764	P -72 247
98		5.6T	31 45.246	-0.0044	03	-78 31 12.53	-0.024	03	0.17	45.460	06	00.9	11.31	06	98.4	K0	GC	4260	P -78 101
99		8.9	32 3.892	0.0054	25	-74 29 34.58	-0.083	36	1.63	3.626	53	01.0	30.52	63	01.0		M4	768	P -74 257
00		8.2	33 6.775	0.0009	25	-70 2 15.15	-0.016	36	1.75	6.729	45	96.3	14.27	63	96.3		M4	769	P -70 240

256000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 3H DM NUMBER
1		8.6	3 35 27.165	-0.0028	25	-77 2 45.43	-0.035	36	1.46	27.289	53	06.0	44.09	53	06.0		M4	782	P -77 141
2		7.3	36 47.614	0.0053	25	-74 8 17.83	-0.035	36	1.74	47.326	36	95.5	19.75	45	95.4		M4	783	P -74 268
3		8.4	38 12.668	0.0029	33	-71 55 20.72	-0.037	43	2.29	12.502	75	92.9	18.60	57	92.9		M3	496	
4		8.4T	38 14.534	0.0048	12	-77 15 8.88	0.031	11	0.63	14.294	19	99.7	10.50	19	96.8	K0	GC	4397	P -77 143
5		6.1T	38 21.469	-0.0041	10	-78 29 7.51	0.010	09	0.52	21.677	18	99.7	8.07	17	97.1	K0	GC	4490	P -78 105
6		7.1T	38 30.011	-0.0059	11	-74 59 3.44	-0.007	11	0.62	30.320	19	97.9	3.05	19	95.1	A5	GC	4497	P -75 244
7		6.8T	38 35.531	-0.0097	07	-79 15 37.93	-0.025	07	0.49	36.187	12	82.1	36.63	14	83.3	K0	GC	4409	P -79 109
8		7.9T	39 40.332	0.0308	12	-75 55 27.59	0.121	11	0.65	39.394	22	00.0	34.22	19	95.1	K0	GC	4433	P -76 242
9		8.6	39 48.179	0.0089	25	-71 15 35.09	-0.063	36	1.74	47.701	45	96.0	31.68	53	96.0		M4	790	P -71 214
10		9.0	40 12.257	-0.0006	25	-78 1 10.30	0.000	36	1.54	12.286	53	04.0	10.32	63	04.0		M4	800	P -78 107
11		9.2	40 34.451	0.0049	25	-72 11 50.18	-0.017	36	1.41	34.247	53	08.3	49.47	63	08.3		M4	795	P -72 255
12		9.2	41 9.860	-0.0006	25	-76 21 29.45	-0.045	36	1.61	9.888	53	01.0	27.22	53	01.0		M4	803	P -76 244
13		9.1	41 22.863	-0.0041	25	-71 5 24.66	-0.000	36	1.57	23.057	53	03.0	24.66	63	03.0		M4	797	P -71 215
14		9.0	41 37.915	-0.0060	25	-73 4 22.54	0.044	36	1.54	38.193	53	04.0	24.56	63	04.0		M4	801	P -73 236
15		8.7	43 3.391	0.0072	25	-73 29 1.62	0.094	36	1.60	3.044	53	02.0	6.15	63	02.0		M4	809	P -73 237
16		9.1	43 40.325	0.0127	25	-76 20 16.01	-0.031	36	1.68	39.668	45	98.2	14.40	53	98.2		M4	816	P -76 245
17		9.1	43 53.732	-0.0119	25	-79 17 39.59	-0.079	36	1.63	54.315	53	01.0	35.74	63	01.0		M4	822	P -79 115
18		8.6	44 1.092	0.0202	25	-78 55 36.88	0.002	36	1.48	0.206	53	06.0	36.99	63	06.0		M4	821	P -79 113
19		7.6T	44 5.098	-0.0005	13	-74 9 53.96	-0.007	12	0.68	5.123	18	99.9	53.60	18	97.0	A0	GC	4533	P -74 271
20		8.4	44 7.428	0.0090	33	-72 45 55.94	0.018	43	2.29	6.916	75	93.0	56.96	57	93.0		M3	511	
21		9.1	44 20.674	-0.0011	25	-70 8 42.41	0.024	36	1.83	20.738	53	94.0	43.73	63	94.0		M4	810	P -70 252
22		7.8T	44 46.694	0.0011	11	-70 10 49.36	-0.110	10	0.61	46.636	18	94.5	42.90	17	91.6	G0	GC	4550	P -70 254
23		7.8T	45 1.556	0.0009	11	-70 10 39.23	-0.100	11	0.63	1.510	19	96.7	33.66	19	94.5	G0	GC	4556	P -70 255
24		8.9	45 7.595	0.0009	25	-71 15 11.60	-0.064	36	1.74	7.549	53	97.0	8.20	63	97.0		M4	819	P -71 221
25		6.5T	45 38.660	0.0081	10	-71 48 46.79	0.039	10	0.60	38.223	21	96.0	49.03	19	92.3	A0	GC	4570	P -72 262
26		8.2T	47 25.234	0.0124	12	-74 39 40.95	0.107	11	0.65	24.659	19	98.9	46.66	19	96.6	F0	GC	4618	P -74 275
27		7.6T	47 40.979	-0.0044	10	-70 2 27.47	-0.000	08	0.56	41.213	19	96.3	27.44	18	90.1	A3	GC	4626	P -70 257
28		8.1T	47 58.070	0.0041	12	-76 52 5.73	0.029	11	0.65	57.857	19	97.7	7.32	18	94.2	B8	GC	4631	P -77 150
29		3.2H	47 59.464	0.0130	02	-74 23 33.53	0.117	02	0.09	58.791	04	98.1	39.06	04	02.7	M0	F4	146	P -74 276
30		9.0	48 30.722	-0.0046	25	-77 30 7.58	0.000	36	1.62	30.947	53	01.0	7.60	63	01.0		M4	841	P -77 151
31		8.9T	48 39.358	0.0194	14	-76 34 28.23	0.048	12	0.70	38.395	21	00.3	30.80	18	96.0	G5	GC	4647	P -76 247
32		7.6T	48 41.613	0.0021	14	-70 30 36.63	0.017	12	0.70	41.506	21	00.2	37.54	19	96.1	K0	GC	4650	P -70 259
33		8.5T	48 57.713	0.0135	13	-76 37 21.07	0.043	12	0.68	57.049	22	00.7	23.37	19	95.9	K0	GC	4655	P -76 248
34		7.4T	49 3.408	0.0194	12	-74 50 43.93	0.026	11	0.61	2.444	21	00.2	45.30	19	97.1	F2	GC	4656	P -75 251
35		9.3	49 59.539	-0.0230	25	-72 44 7.04	-0.003	36	1.45	+ 0.528	53	07.0	6.91	63	07.0		M4	845	P -72 264
36		9.1	50 15.847	0.0049	25	-70 5 44.68	-0.029	36	1.42	15.643	53	08.0	43.45	63	08.0		M4	844	P -70 265
37		9.2	51 6.081	0.0039	25	-71 26 27.60	0.074	36	1.65	5.885	53	00.0	31.29	63	00.0		M4	847	P -71 227
38		7.6T	51 31.277	0.0137	12	-76 2 37.96	0.039	11	0.66	30.575	19	98.7	40.08	19	95.4	K2	GC	4697	P -76 251
39		9.0	52 17.097	-0.0001	25	-72 10 27.86	-0.030	36	1.40	17.101	53	09.0	26.62	63	09.0		M4	852	P -72 270
40		9.1	52 57.112	-0.0080	25	-72 27 54.87	0.009	36	1.52	57.486	45	03.3	55.30	53	03.3		M4	856	P -72 271
41		9.1	53 20.951	-0.0001	25	-70 19 15.03	-0.030	36	1.76	20.958	53	96.4	13.40	63	96.4		M4	857	P -70 267
42		8.7	54 8.465	-0.0027	25	-74 5 39.36	-0.133	36	1.62	8.598	53	01.0	32.86	63	01.0		M4	863	P -74 278
43		9.1	54 9.669	-0.0020	25	-73 3 17.94	-0.053	36	1.48	9.757	53	06.0	15.61	63	06.0		M4	861	P -73 243
44		9.0	54 11.546	0.0022	25	-76 37 11.15	-0.008	36	1.71	11.431	45	97.0	10.65	53	97.0		M4	867	P -76 255
45		8.6	54 34.978	-0.0256	25	-78 0 32.08	-0.039	36	1.60	36.207	53	02.0	30.19	63	02.0		M4	870	P -78 118
46		8.6	55 53.504	-0.0150	25	-72 29 7.73	-0.016	36	1.59	54.237	45	01.2	6.96	53	01.2		M4	869	P -72 272
47		8.2	56 5.332	-0.0111	33	-79 57 16.91	-0.003	43	2.28	5.965	75	93.1	16.72	57	93.1		M3	541	
48		9.0	57 40.510	0.0037	33	-76 4 18.76	0.067	43	2.29	40.301	75	93.0	22.57	57	93.0		M3	540	
49		9.1	58 5.963	0.0049	33	-72 2 43.39	-0.004	43	2.29	5.683	75	93.0	43.15	57	93.0		M3	537	
50		7.8T	58 39.986	0.0063	14	-76 39 10.48	0.041	12	0.69	39.684	22	01.8	12.60	21	97.7	F2	GC	4822	P -76 259
51		9.1	3 59 5.706	0.0152	25	-76 58 23.81	-0.005	36	1.48	5.039	53	06.1	23.57	63	06.1		M4	878	P -77 154
52		8.1T	59 21.895	0.0029	13	-73 31 22.31	-0.011	12	0.65	21.756	22	02.9	21.79	19	02.0	K0	GC	4835	P -73 247
53		6.7H	4 1 0.479	0.0059	04	-71 18 20.31	0.038	03	0.13	0.287	07	17.4	21.43	06	20.1	A0	F4	1114	P -71 234
54		8.3	2 34.545	0.0019	25	-70 24 33.39	-0.025	36	1.65	34.451	53	00.1	32.13	63	00.1		M4	881	P -70 274
55		9.0	2 57.085	-0.0146	33	-77 41 8.81	0.068	43	2.29	57.918	75	93.0	12.66	57	93.0		M3	554	
56		8.5	3 17.829	-0.0069	25	-79 20 39.81	-0.076	36	1.54	18.101	53	04.0	36.33	63	04.0		M4	892	P -79 129
57		8.7	4 17.593	0.0118	25	-75 17 44.20	-0.008	36	1.62	17.015	53	01.0	43.83	63	01.0		M4	889	P -75 259
58		8.5	4 18.371	-0.0121	25	-71 32 4.39	-0.014	36	1.65	18.977	53	00.0	3.68	63	00.0		M4	887	P -71 238
59		6.7T	4 46.122	0.0025	05	-78 46 6.22	-0.009	04	0.24	46.011	09	05.8	5.81	09	02.8	K0	GC	4960	P*-78 125
60		7.7T	6 9.960	0.0016	13	-70 0 15.55	0.037	12	0.65	9.881	21	01.6	17.44	19	98.2	A5	GC	4993	P -70 276
61		8.2	6 26.097	-0.0038	25	-73 24 52.72	-0.009	36	1.60	26.278	53	02.0	52.30	63	02.0		M4	903	P -73 249
62		9.1	6 46.790	-0.0028	25	-73 24 24.07	0.001	36	1.60	46.923	53	02.0	24.13	63	02.0		M4	904	P -73 250
63		9.0	8 20.823	0.0097	25	-75 28 52.59	0.011	36	1.51	20.376	45	03.8	53.11	53	03.8		M4	912	P -75 261
64		9.0T	8 58.209	0.0096	12	-71 46 16.49	0.113	12	0.65	57.730	22	00.1	22.42	21	97.4	F8	M4	5047	P -71 249
65		9.0	8 59.227	-0.0056	25	-77 41 47.66	0.058	36	1.58	59.496	53	02.1	50.42	53	02.1		M4	916	P -77 159
66		8.0	9 15.017	0.0093	25	-74 5 26.84	0.031	36	1.54	14.590	53	04.0	28.27	63	04.0		M4	915	P -74 283
67			10 58.441	-0.0088	25	-77 10 46.12	0.000	36	1.74	58.907	53	97.1	46.14	63	97.1		M4	926V	P*-77 161
68		8.9	11 43.978	-0.0101	25	-70 52 0.81	-0.059	36	1.76	44.526	45	96.0	-57.62	63	96.0		M4	922	P -71 251
69		9.3	12 13.145	-0.0120	25	-72 24 55.06	0.056	36	1.68	13.760	45	98.8	57.94	63	98.7		M4	927	P -72 288
70		9.0	12 18.097	0.0008	25	-70 30 54.52	0.006	36	1.54	18.059	53	04.0	54.79	63	04.0		M4	925	P -70 284
71		8.5T	12 25.414	-0.0036	12	-79 8 42.44	0.022	11	0.64	25.587	22	01.3	43.62	21	97.6	A2	GC	5122	P -79 134
72		9.1	13 10.471	0.0060	25	-72 31 30.56	-0.032	36	1.65	10.173	53	00.1	28.96	63	00.1		M4	932	P -72 289
73		7.0T	13 29.492	0.0113	12	-70 32 46.45	0.064	10	0.58	28.949	19	02.1	49.76	18	98.2	F0	GC	5154	P -70 287
74		7.5T	13 46.385	0.0098	13	-72 56 45.18	0.035	11	0.68	45.877	19	98.1	47.10	18	95.0	F8	GC	5163	P -73 251
75		8.5	15 28.196	0.0049	25	-71 15 23.07	0.050	36	1.77	27.933	53	96.0	25.75	63	96.0		M4	942	P -71 257
76		7.3T	15 55.217	0.0067	12	-75 55 50.95	0.039	10	0.58	54.894	19	01.5	52.93	18	99.0	K0	GC	5197	P -76 265
77		7.7T	17 21.770	0.0084	12	-72 7 10.22	0.023	10	0.64	21.329	19	97.5	11.53	18	92.6	G5	GC	5242	P -72 295
78		8.2	17 31.953	0.0077	25	-75 27 57.10	0.026	36	1.61	31.579	53	01.4	58.37	63	01.4		M4	949	P -75 265
79		9.3	19 40.075	0.0014	25	-77 36 11.51	-0.027	36	1.54	40.010	53	04.0	10.25	63	04.0		M4	956	P -77 165
80		8.3	20 33.014	0.0072	25	-77 10 23.26	0.085	36	1.54	32.684	53	04.0	27.15	63	04.0		M4	960	P -77 167
81		8.5	20 36.952	0.0028	25	-70 34 1.25	-0.047	36	1.45	36.830	53	07.0	-59.22	63	07.0		M4	953	P -70 294
82		8.2	21 52.412	0.0096	25	-75 30 51.92	-0.003	36	1.51	51.978	53	05.0	51.77	63	05.0		M4	963	P -75 266
83		7.0T	22 2.164	-0.0163	12	-79 38 16.63	0.037	11	0.65	2.994	22	99.1	18.62	21	95.7	A2	GC	5345	P -79 141
84		8.8	22 42.970	0.0189	33	-71 52 2.15	0.015	43	2.29	41.893	75	93.0	2.99	57	93.0		M3	582	
85		8.8	23 6.486	-0.0129	25	-79 22 8.39	-0.030	36	1.54	7.080	53	04.0	7.03	63	04.0		M4	973	P -79 143
86		9.1	24 44.680	0.0107	25	-76 17 57.42	0.001	36	1.65	44.127	36	98.2	57.46	45	98.2		M4	975	P -76 273
87		8.8	25 19.728	-0.0158	25	-78 49 40.39	-0.007	36	1.71	20.549	53	98.1	40.04	63	98.1		M4	983	P -78 137
88		7.9T	25 59.435	0.0270	14	-70 6 18.03	0.007	15	0.71	58.177	21	03.3	18.34	22	03.5	G5	GC	5442	P -70 300
89		9.3	26 6.245	0.0069	25	-71 23 53.78	0.035	36	1.54	5.927	53	04.0	55.38	63	04.0		M4	977	P -71 264
90		8.7	26 14.317	0.0172	25	-73 26 17.06	0.047	36	1.80	13.370	53	95.0	19.66	63	95.0		M4	978	P -73 261
91		8.6	27 1.110	-0.0021	25	-70 29 28.68	-0.011	36	1.56	1.207	53	03.4	28.16	63	03.4		M4	979	P -70 303
92		8.3T	27 1.919	-0.0137	12	-77 47 45.74	-0.005	11	0.63	2.611	21	99.6	45.45	19	96.8	F8	GC	5461	P -77 172
93		9.0	27 2.538	0.0019	25	-70 51 51.53	-0.020	36	1.45	2.459	53	07.1	50.67	63	07.1		M4	980	P -71 265
94		8.5T	27 4.925	-0.0134	13	-77 47 42.88	-0.032	13	0.68	5.572	21	01.8	41.30	21	01.4		GC	5462	P -77 172
95		9.1	27 17.679	-0.0056	25	-77 59 47.91	0.019	36	1.53	17.943	45	03.0	48.83	53	03.0		M4	993	P -78 138
96		7.8T	27 41.273	-0.0036	14	-72 44 35.14	0.009	12	0.67	41.443	21	03.1	35.60	19	99.0	G5	GC	5479	P -72 304
97		9.1	29 49.222	-0.0109	25	-74 25 54.71	-0.040	36	1.50	49.707	53	05.4	52.90	63	05.4		M4	997	P -74 202
98		9.1	30 22.451	0.0028	25	-70 29 51.16	0.028	36	1.65	22.311	53	00.1	52.53	63	00.1		M4	996	P -70 307
99		8.1	30 38.195	-0.0102	25	-72 22 55.80	-0.024	36	1.45	38.643	45	06.0	54.73	53	06.0		M4	1000	P -72 308
00		8.7	30 49.567	0.0030	33	-75 43 52.91	0.031	43	2.29	49.395	75	93.0	54.69	57	93.0		M3	598	

256100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 4H DM NUMBER
1		9.0	4 32 48.071	0.0180	25	-75 30 36.89	0.052	36	1.46	47.270	45	05.5	39.21	53	05.5		M4	1015	F -75 273
2		8.3	33 24.469	0.0038	25	-70 59 57.86	0.022	36	1.76	24.265	45	96.0	59.03	63	96.0		M4	1011	F -71 273
3		8.1T	33 45.967	-0.0038	14	-78 44 13.36	0.034	12	0.69	46.151	22	01.8	15.13	21	97.7	A2	GC	5615K	F*-78 145
4		9.0	34 13.791	-0.0183	25	-77 34 50.90	-0.024	36	1.56	14.651	53	03.1	49.77	63	03.1		M4	1021	F -77 174
5		8.6	34 44.688	-0.0078	25	-74 19 41.55	0.059	36	1.48	45.042	45	04.7	44.22	53	04.7		M4	1018	F -74 204
6		6.7T	35 9.068	0.0054	09	-73 18 39.51	0.053	11	0.58	8.768	18	94.4	42.39	17	95.4	KO	GC	5638	F -73 269
7		7.0T	35 21.811	0.0049	10	-72 50 7.15	0.057	10	0.57	21.557	19	98.0	10.27	19	95.0	A2	GC	5646	F -72 311
8		9.1	36 20.823	-0.0050	25	-76 12 42.19	0.032	36	1.59	21.062	53	02.1	43.74	63	02.1		M4	1028	F -76 284
9		8.8T	36 42.623	-0.0070	13	-74 28 15.22	0.013	13	0.67	42.954	21	02.8	15.87	19	00.0	M0	GC	5673	F -74 297
10		8.2	37 1.078	-0.0070	25	-76 12 39.45	0.009	36	1.59	1.414	53	02.1	39.90	63	02.1		M4	1029	F -76 285
11		9.1	37 38.752	-0.0012	25	-70 10 5.98	0.072	36	1.76	38.818	45	96.1	9.88	63	96.1		M4	1027	F -70 312
12		8.2	38 2.785	-0.0061	25	-72 34 34.34	-0.076	36	1.65	3.091	53	00.1	30.53	63	00.1		M4	1031	F -72 314
13		9.3	38 10.653	0.0021	25	-73 36 39.29	-0.019	36	1.54	10.555	53	04.0	38.41	63	04.0		M4	1034	F -73 270
14		8.0T	40 19.991	0.0061	13	-79 33 22.00	0.063	11	0.66	19.678	21	99.0	25.41	19	95.9	K2	GC	5741	F -79 152
15		9.1	40 24.054	-0.0048	25	-75 11 57.59	-0.047	36	1.69	24.308	45	97.6	55.12	53	97.6		M4	1041	F -75 276
16		5.9T	40 35.713	-0.0102	12	-77 45 5.55	0.006	11	0.64	36.250	19	97.2	5.88	17	93.7	KO	GC	5750	F -77 181
17		9.0	41 1.189	-0.0022	33	-70 57 2.92	0.038	43	2.29	1.316	75	93.0	5.07	57	93.0		M3	611	
18		8.8	41 47.137	-0.0086	25	-79 25 17.83	-0.041	36	1.62	47.555	53	01.1	15.82	63	01.1		M4	1055	F -79 153
19			42 33.341	-0.0277	25	-78 54 1.67	-0.033	36	1.69	34.792	45	97.6	-59.93	53	97.6		M4	1059V	F*-79 154
20		8.7	42 36.253	-0.0109	25	-73 37 26.29	0.064	36	1.80	36.850	53	95.0	29.25	63	95.0		M4	1051	F -73 271
21		8.7	43 0.211	0.0028	25	-71 35 17.91	-0.017	36	1.40	0.097	53	09.0	17.19	63	09.0		M4	1050	F -71 281
22		5.7H	43 33.295	0.0030	03	-71 1 22.82	-0.034	03	0.12	33.186	05	13.5	24.04	05	14.0	B9	F4	177	F -71 282
23		8.5	44 34.283	0.0058	25	-72 13 34.97	-0.009	36	1.83	35.958	53	94.0	34.45	63	94.0		M4	1058	F -72 319
24		7.4T	45 50.436	0.0329	10	-76 23 46.73	0.110	10	0.57	48.649	18	95.7	52.90	18	94.0	F5	GC	5849	F -76 294
25		8.3	46 17.334	-0.0087	25	-79 12 57.19	0.026	36	1.59	17.753	53	02.1	58.43	63	02.1		M4	1073	F -79 155
26		8.4	46 27.664	0.0036	25	-78 6 39.54	-0.056	36	1.58	27.490	45	01.5	36.82	53	01.5		M4	1071	F -78 152
27		9.3	46 43.984	0.0026	25	-77 40 5.51	-0.018	36	1.56	43.860	53	03.1	4.67	63	03.1		M4	1072	F -77 187
28		8.8	46 50.807	-0.0068	25	-75 13 41.16	-0.054	36	1.52	51.121	53	04.1	38.67	53	04.1		M4	1068	F -75 283
29		8.2	47 9.975	0.0018	25	-71 11 38.34	0.144	36	1.65	9.886	53	00.0	45.52	63	00.0		M4	1067	F -71 284
30		8.4	48 6.642	-0.0101	25	-72 32 9.44	0.026	36	1.64	7.145	53	00.4	10.71	63	00.4		M4	1070	F -72 324
31		8.7	48 9.429	0.0065	25	-77 6 32.62	0.032	36	1.71	9.093	53	98.1	34.27	63	98.1		M4	1077	F -77 188
32		7.7	48 37.184	-0.0037	25	-74 41 57.71	-0.017	36	1.76	37.381	53	96.4	56.78	63	96.4		M4	1076	F -74 307
33		7.9	48 57.285	-0.0008	25	-75 9 42.35	-0.031	36	1.62	57.328	53	01.1	40.81	63	01.1		M4	1079	F -75 285
34		9.3	49 59.353	-0.0010	25	-76 21 23.85	-0.034	36	1.54	59.399	53	04.1	22.30	63	04.1		M4	1083	F -76 296
35		7.9T	50 56.183	-0.0104	14	-79 53 30.31	0.013	12	0.69	56.682	22	01.9	31.00	21	97.0	A3	GC	5963K	P*-80 132
36		9.0	51 36.790	-0.0031	25	-72 30 22.89	0.035	36	1.65	36.947	53	00.0	24.63	63	00.0		M4	1085	F -72 329
37		9.0	53 19.760	0.0000	25	-75 59 36.47	0.028	36	1.53	19.760	53	04.1	37.77	63	04.1		M4	1100	F -76 207
38		8.8	53 22.170	0.0248	25	-71 39 16.84	0.140	36	1.59	20.936	98	00.2	23.78	45	00.2		M4	1093	F -71 295
39		6.2T	53 54.913	-0.0118	09	-72 29 27.92	-0.275	09	0.55	55.564	18	93.0	44.08	18	91.2	F5	GC	6031	F -72 332
40		7.2T	54 21.467	0.0045	12	-72 50 38.05	-0.008	10	0.60	21.249	18	01.3	37.62	18	98.4	A0	GC	6036	F -72 334
41		8.9	54 33.903	-0.0056	33	-78 48 24.37	-0.013	43	2.29	34.224	75	93.0	23.62	57	93.0		M3	633	
42		9.0	55 5.048	0.0021	25	-73 36 46.02	0.061	36	1.55	4.947	45	02.6	48.91	53	02.6		M4	1104	F -73 283
43		8.2T	55 41.913	0.0002	13	-78 28 50.57	0.022	12	0.66	41.900	19	00.5	51.72	19	97.7	A0	GC	6061	F -78 160
44		8.7T	55 48.041	0.0062	12	-78 13 28.32	0.040	11	0.64	47.732	21	00.0	30.42	19	97.5	F0	GC	6063	F -78 159
45		5.3H	56 36.505	0.0072	02	-75 0 52.73	0.068	02	0.10	36.191	05	06.5	55.00	04	10.5	KO	F4	1138	F -75 290
46		7.5T	57 23.584	0.0006	12	-71 0 2.32	0.002	11	0.63	23.555	19	99.2	2.41	19	96.8	G5	GC	6095	F -71 301
47		9.3	5 0 32.890	0.0079	25	-73 9 14.42	0.009	36	1.59	32.512	53	02.1	14.84	63	02.1		M4	1122	F -73 285
48		8.7T	1 6.111	0.0073	12	-78 15 32.49	0.045	11	0.64	5.733	21	98.1	35.03	19	93.4	F8	GC	6177	F -78 163
49		7.7T	1 9.933	-0.0024	13	-70 41 42.98	0.042	11	0.66	10.053	21	01.0	45.20	19	96.7	F0	GC	6178	F -70 350
50		8.9	1 24.808	0.0069	25	-72 31 37.27	0.055	36	1.67	24.501	36	97.6	40.13	45	97.6		M4	1126	F -72 341
51		9.1	5 2 14.035	-0.0187	25	-79 17 11.79	-0.043	36	1.41	14.834	45	07.4	9.95	53	07.4		M4	1135	F -79 165
52		7.0T	2 27.115	0.0040	11	-74 24 38.75	0.039	11	0.62	26.910	19	98.8	40.83	19	96.6	A0	GC	6208K	P*-74 312
53		6.2T	2 53.130	-0.0069	12	-78 22 13.29	-0.011	09	0.58	53.478	19	99.8	12.67	18	94.5	K0	GC	6224K	F -78 165
54		5.3T	3 21.302	0.0007	06	-71 22 58.14	0.025	06	0.26	21.273	07	07.6	59.23	07	05.9	K0	GC	6232	P*-71 309
55		7.8T	3 56.089	-0.0083	12	-76 41 42.08	-0.119	11	0.62	56.501	19	00.5	35.69	19	96.3	F5	GC	6240	F -76 303
56		8.9	3 56.115	0.0003	25	-74 46 19.41	-0.047	36	1.74	56.097	53	97.1	16.91	63	97.1		M4	1134	F -74 314
57		7.9T	4 17.526	0.0164	12	-78 15 8.87	0.058	12	0.65	16.709	19	00.1	11.96	19	96.6	K0	GC	6247	F -78 166
58		7.7	5 48.238	-0.0131	25	-72 29 10.32	-0.031	36	1.77	48.944	53	96.1	8.65	63	96.1		M4	1142	F -72 344
59		8.9	6 13.917	-0.0060	25	-76 25 32.93	0.042	36	1.53	14.192	53	04.1	34.86	63	04.1		M4	1146	F -76 304
60		6.2T	7 9.192	0.0065	14	-73 6 9.96	0.072	12	0.69	8.873	21	00.8	13.73	19	97.5	A0	GC	6313	F -73 286
61		7.5T	7 45.399	-0.0040	12	-71 19 56.07	-0.043	11	0.64	45.602	19	99.6	53.72	18	95.8	K0	GC	6331	F -71 315
62		7.5T	8 55.484	0.0428	13	-77 37 28.27	-0.399	12	0.68	53.359	21	00.4	7.06	19	96.9	G0	GC	6354	F -77 192
63		9.1	9 48.926	0.0165	25	-76 30 14.04	0.027	36	1.74	48.054	53	97.1	15.47	63	97.1		M4	1164	F -76 307
64		8.6	10 9.757	-0.0027	25	-74 54 29.40	0.013	36	1.77	9.900	53	96.1	30.09	63	96.1		M4	1163	F -74 318
65		9.2Q	11 0.842	0.0010	12	-72 8 10.05	0.003	12	0.65	0.790	21	98.4	10.19	19	97.2		GC	6390K	F -72 352
66		8.8Q	11 1.722	-0.0024	12	-72 8 9.39	0.010	12	0.65	1.844	21	98.9	9.89	19	97.5	K0	GC	6391K	P*-72 352
67		7.6T	12 41.863	-0.0083	12	-77 16 31.39	0.010	12	0.66	42.287	21	99.1	31.91	19	97.2	G5	GC	6420	F -77 196
68		7.2	13 38.626	0.0062	25	-75 25 7.15	-0.012	36	1.77	38.294	53	96.1	6.48	63	96.1		M4	1174	F -75 300
69		8.2	15 0.132	-0.0012	25	-71 33 26.50	0.021	36	1.62	0.191	53	00.1	27.50	63	01.1		M4	1176	F -71 325
70		8.3	16 22.343	0.0009	25	-72 27 8.28	-0.029	36	1.65	22.298	53	00.1	6.83	63	00.1		M4	1181	F -72 358
71		8.4	16 33.171	-0.0072	25	-70 30 35.74	0.012	36	1.77	33.562	53	96.1	36.36	63	96.1		M4	1179	F -70 381
72		6.6T	16 34.763	-0.0012	13	-73 38 30.23	0.004	12	0.68	34.822	21	99.7	30.44	19	96.6	A2	GC	6510	F -73 294
73		7.8T	18 9.239	0.0034	14	-71 34 57.64	-0.059	12	0.67	9.080	21	03.1	54.57	19	98.4	K0	GC	6554	F -71 330
74		8.5	18 16.160	0.0089	25	-72 45 9.27	0.001	36	1.74	15.690	53	97.1	9.31	63	97.1		M4	1186	F -72 363
75		9.3	18 54.982	-0.0060	25	-76 23 51.12	0.020	36	1.60	55.269	53	02.0	52.08	63	02.0		M4	1190	F -76 315
76		9.2	19 6.652	-0.0030	25	-76 23 2.39	0.048	36	1.60	6.796	53	02.0	4.70	63	02.0		M4	1191	F -76 316
77		7.8T	19 42.718	0.0002	13	-74 44 52.45	0.022	12	0.67	42.706	21	99.6	53.61	19	96.8	K0	GC	6595	F -74 323
78		8.4	20 51.396	0.0058	33	-71 0 42.58	-0.007	43	2.28	51.068	75	93.1	42.16	57	93.1		M3	683	
79		8.0T	23 2.771	-0.0035	13	-75 57 45.86	0.012	11	0.65	2.945	22	00.3	46.49	19	98.0	A5	GC	6678	F -76 318
80		7.4T	23 9.347	0.0030	12	-71 33 8.37	0.076	11	0.61	9.197	19	99.8	12.43	19	96.3	A3	GC	6682	F -71 335
81		7.6T	23 38.803	0.0029	12	-72 23 2.26	0.069	11	0.66	38.655	21	99.3	6.00	19	95.4	A3	GC	6696	F -72 372
82		6.9T	23 46.303	-0.0025	12	-73 50 46.27	0.019	11	0.58	46.422	19	03.2	47.19	18	01.5	K0	GC	6699	F -73 296
83		8.8T	23 54.337	0.0024	12	-75 3 16.04	-0.017	11	0.65	54.216	21	98.8	15.12	19	96.7	A0	GC	6702	P*-75 309
84		9.1	24 35.921	0.0016	25	-78 12 1.49	0.091	36	1.56	35.847	53	03.1	5.75	63	03.1		M4	1219	F -78 183
85		8.5	24 47.977	-0.0005	25	-76 39 34.54	-0.048	36	1.74	48.004	53	97.1	32.00	63	97.1		M4	1214	F -76 319
86		8.0T	25 43.207	0.0021	11	-74 40 31.61	0.018	11	0.62	43.098	19	98.7	32.58	19	95.4	G0	GC	6752	P*-74 328
87		9.4	27 4.831	-0.0071	25	-72 31 5.02	-0.040	36	1.56	5.166	53	03.1	3.13	63	03.1		M4	1222	F -72 375
88		8.0	27 5.608	-0.0360	25	-75 43 43.16	-0.286	36	1.81	7.618	45	94.2	27.21	63	94.2		M4	1229	F -75 314
89		8.7	27 22.373	-0.0131	25	-78 23 7.05	-0.013	36	1.48	22.948	53	06.1	6.49	63	06.1		M4	1232	F -78 186
90		9.1	27 38.625	-0.0182	25	-78 43 7.49	0.055	36	1.48	39.425	53	06.1	9.91	63	06.1		M4	1233	F -78 187
91		8.2	27 43.577	0.0039	33	-72 59 22.41	-0.012	43	2.28	43.356	75	93.1	21.71	53	93.1		M3	695	
92		7.5T	27 50.286	0.0090	12	-73 42 21.66	0.075	12	0.64	49.828	19	99.4	25.63	19	97.1	G5	GC	6809	
93		8.9	28 11.274	-0.0022	25	-71 15 21.02	-0.027	36	1.62	11.382	53	01.1	19.68	63	01.1		M4	1228	F -73 302
94		9.0	28 12.979	-0.0122	25	-70 33 49.90	-0.030	36	1.66	13.594	53	99.8	48.37	63	99.8		M4	1228	F -71 344
95		8.9	28 57.392	-0.0090	33	-77 45 46.26	0.023	43	2.29	57.907	75	93.0	47.59	57	93.0		M3	751	F -77 396
96		8.5	29 37.386	-0.0084	25	-72 47 24.35	0.008	36	1.75	37.833	53	96.8	24.77	63	96.8		M4	1234	F -72 379
97		9.1	29 52.472	-0.0082	25	-77 25 7.26	0.062	36	1.74	52.907	53	97.1	10.55	63	97.1		M4	1239	F -77 206
98		7.9T	30 34.984	0.0051	14	-72 50 57.11	0.092	12	0.71	34.736	22	01.1	+ 1.95	21	97.5	G5	GC	6877	F -72 382
99		9.0	30 53.143	0.0026	25	-70 51 56.58	-0.030	36	1.45	53.032	53	07.1	55.30	63	07.1		M4	1236	F -70 403
00		8.5T	33 20.161	-0.0005	15	-72 51 56.04	0.031	13	0.73	20.186	21	01.2	57.67	19	97.8	A3	GC	6951	F -72 386

256200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ,,.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 5H DM NUMBER
1		5.1H	5 33 51.219	0.0318	04	-76 22 40.31	0.285	02	0.12	50.165	06	16.8	49.85	05	16.6	K0	F4	214	P -76 333
2		8.8	34 27.467	0.0069	25	-79 2 35.88	0.024	36	1.45	27.172	53	07.1	36.92	63	07.1		M4	1257	P -79 186
3		8.3T	34 38.347	0.0029	12	-75 16 5.99	0.045	11	0.64	38.201	19	99.7	8.44	19	95.8	A0	GC	6984K	P*-75 321
4		9.1	34 52.883	-0.0104	25	-75 12 48.74	0.023	36	1.73	53.433	53	97.2	49.98	63	97.2		M4	1256	P -75 323
5		8.7	35 4.339	-0.0144	25	-70 31 33.14	0.050	36	1.65	5.059	53	00.1	35.64	63	00.1		M4	1250	P -70 411
6		8.1	35 39.495	0.0086	33	-71 46 35.71	0.019	43	2.28	39.005	75	93.1	36.79	57	93.1		M3	712	
7		7.7T	35 56.209	0.0032	15	-71 10 4.08	-0.014	12	0.69	56.060	22	03.1	3.40	19	01.0	K2	GC	7016K	P*-71 355
8		5.6T	35 59.085	-0.0026	08	-73 46 17.95	0.040	07	0.34	59.186	14	10.9	19.71	12	06.5	M8	GC	7017	P -73 316
9		9.0	37 5.894	0.0010	25	-74 16 43.81	0.021	36	1.76	5.842	53	96.1	44.95	63	96.1		M4	1260	P -74 339
10		9.1	37 7.040	-0.0003	25	-73 27 22.35	-0.062	36	1.74	7.056	53	97.1	19.08	63	97.1		M4	1259	P -73 319
11		9.1	37 39.380	-0.0050	25	-76 30 27.75	0.032	36	1.62	39.627	53	01.1	29.34	63	01.1		M4	1263	P -76 338
12		8.6	38 9.855	-0.0034	25	-70 26 49.03	-0.044	36	1.39	9.996	53	08.7	47.20	53	08.6		M4	1261	P -70 421
13		6.7T	38 14.395	0.0338	13	-73 43 30.14	-0.106	12	0.67	12.718	22	00.4	24.55	21	97.1	G0	GC	7090	P -73 323
14		6.1T	38 39.383	0.0034	09	-78 50 55.65	0.018	07	0.49	39.186	15	92.5	56.79	14	87.8	B9	GC	7102	P -78 195
15		8.7	39 3.884	0.0136	25	-71 40 32.11	0.002	36	1.67	3.173	36	97.7	32.21	45	97.7		M4	1264	P -71 362
16		8.1	39 9.122	-0.0035	25	-75 28 37.32	0.033	36	1.54	9.291	36	02.0	38.91	45	02.0		M4	1266	P -75 329
17		9.5	39 22.885	-0.0068	25	-77 45 39.20	0.049	36	1.59	23.317	45	01.1	41.62	53	01.1		M4	1270	P -77 209
18		9.1	39 31.812	-0.0000	25	-76 42 7.12	-0.047	36	1.48	31.814	53	06.1	5.04	63	06.1		M4	1267	P -76 341
19		9.2	39 42.514	0.0146	25	-71 39 49.69	0.075	36	1.68	41.771	53	99.1	53.51	63	99.1		M4	1265	P -71 365
20		8.5T	40 1.460	-0.0058	12	-79 56 25.80	0.023	11	0.66	1.753	22	99.3	27.02	21	96.3	A2	GC	7139	P*-79 193
21		8.1	40 52.349	0.0037	25	-72 29 50.68	0.013	36	1.65	52.164	53	00.1	51.35	63	00.1		M4	1269	P -72 403
22		8.8	41 38.715	-0.0110	25	-78 40 19.61	-0.009	36	1.59	39.244	53	02.1	19.21	63	02.1		M4	1280	P -78 198
23		8.4	41 50.746	0.0026	25	-72 17 47.59	-0.022	36	1.55	50.621	45	02.5	46.55	53	02.5		M4	1273	P -72 405
24		9.1	43 2.754	0.0057	25	-73 26 49.84	-0.048	36	1.62	2.475	53	01.1	47.50	63	01.1		M4	1279	P -73 328
25		8.9	43 45.209	-0.0009	25	-74 30 22.46	-0.012	36	1.57	45.252	53	02.1	21.90	53	02.1		M4	1283	P -74 348
26		8.1T	44 6.617	0.0095	12	-75 51 8.17	0.091	11	0.64	6.135	22	99.5	12.86	19	98.3	F0	GC	7227	P -75 334
27		8.6	44 13.018	-0.0020	25	-78 39 8.85	0.006	36	1.71	13.123	53	98.1	9.19	63	98.1		M4	1292	P -78 201
28		8.6	44 31.296	0.0061	25	-74 54 59.94	-0.045	36	1.48	31.028	53	06.1	57.97	63	06.1		M4	1288	P -74 350
29		9.4	44 42.152	0.0126	25	-70 26 31.17	-0.023	36	1.59	41.549	53	02.1	30.06	63	02.1		M4	1284	P -70 446
30		8.1	44 55.862	0.0149	25	-73 33 32.25	-0.013	36	1.76	55.058	53	96.1	31.57	63	96.1		M4	1289	P -73 330
31		8.8	45 5.313	-0.0040	25	-77 28 18.48	-0.008	36	1.62	5.511	53	01.2	18.07	63	01.2		M4	1295	P -77 215
32		8.4	45 5.840	-0.0724	25	-70 10 46.26	1.199	36	1.45	8.945	53	07.1	+37.66	63	07.1		M4	1287	P -70 447
33		8.7	45 41.079	0.0260	33	-76 47 25.03	0.201	43	2.28	39.601	75	93.1	36.44	57	93.1		M3	735	
34		8.3	45 45.515	0.0127	33	-72 40 46.17	-0.100	43	2.26	44.795	63	93.1	40.49	57	93.1		M3	731	
35		8.2	46 36.407	-0.0043	25	-79 33 13.13	0.042	36	1.40	36.587	45	07.7	14.89	53	07.7		M4	1305	P -79 196
36		8.7	47 55.530	-0.0042	25	-79 19 29.27	0.008	36	1.56	55.725	53	03.1	29.67	63	03.1		M4	1311	P -79 198
37		8.9	48 13.866	-0.0034	33	-71 0 13.22	0.027	43	2.28	14.060	75	93.1	14.77	57	93.1		M3	736	
38		8.9	48 39.212	-0.0049	25	-74 47 11.84	-0.069	36	1.74	39.471	53	97.1	8.20	63	97.1		M4	1306	P -74 357
39		6.5T	48 49.302	0.0047	11	-72 43 0.84	0.020	08	0.56	49.058	19	97.8	2.04	18	90.6	K0	GC	7351	P -72 418
40		8.1	48 52.186	0.0016	25	-70 21 36.78	-0.093	36	1.40	52.121	53	09.0	32.96	63	09.0		M4	1301	P -70 451
41		8.8	50 30.132	0.0006	25	-75 1 51.70	-0.007	36	1.59	30.104	53	02.1	51.37	63	02.1		M4	1313	P -75 345
42		8.2	50 30.857	-0.0010	25	-77 23 20.16	0.039	36	1.44	30.903	45	06.1	21.89	53	06.1		M4	1317	P -77 220
43		8.9	50 36.063	0.0060	25	-76 33 22.37	-0.015	36	1.45	35.808	53	07.2	21.75	63	07.2		M4	1316	P -76 357
44		9.4T	51 3.972	-0.0035	26	-71 22 1.32	-0.040	15	0.98	4.128	22	06.5	-59.39	21	01.4	G5	GC	7410	P -71 387
45		8.6	52 0.794	-0.0004	25	-70 29 26.41	-0.047	36	1.77	0.816	53	96.1	23.87	63	96.1		M4	1315	P -70 462
46		8.6	53 17.086	-0.0054	25	-72 21 7.97	0.002	36	1.74	17.370	53	97.2	8.08	63	97.2		M4	1324	P -72 424
47		8.3	53 33.712	0.0021	25	-74 44 44.50	0.026	36	1.52	33.617	53	04.8	45.68	63	04.8		M4	1326	P -74 362
48		5.6T	53 38.860	-0.0073	04	-79 22 19.42	0.066	03	0.18	39.188	07	04.9	22.90	07	97.6	B8	GC	7476	P*-79 202
49		7.8T	55 4.817	-0.0090	12	-78 35 43.79	0.041	11	0.62	5.276	22	99.1	45.92	19	98.5	K2	GC	7512	P -78 207
50		8.7	55 53.824	0.0126	25	-72 22 6.30	-0.010	36	1.52	53.228	45	03.6	5.83	53	03.6		M4	1331	P -72 433
51		9.3	5 56 18.603	0.0009	25	-74 0 39.38	0.002	36	1.65	18.556	53	00.1	39.50	63	00.1		M4	1334	P -74 364
52		8.4	57 27.608	-0.0065	25	-76 1 21.33	0.066	36	1.83	27.973	53	94.1	25.01	63	94.1		M4	1336	P -76 363
53		9.2*	58 4.632	-0.0019	33	-77 53 37.24	-0.010	43	2.28	4.737	75	93.1	36.64	57	93.1		M3	757	*
54		9.1	58 22.906	-0.0121	25	-73 35 52.56	-0.037	36	1.76	23.557	53	96.2	50.59	63	96.2		M4	1337	P -73 349
55		9.0	58 45.871	-0.0051	33	-73 46 0.85	-0.018	43	2.28	46.159	75	93.1	-59.85	57	93.1		M3	756	
56		8.8	58 57.175	-0.0070	25	-77 13 37.87	0.031	36	1.74	57.548	53	97.1	39.48	63	97.1		M4	1338	P -77 227
57		8.2T	59 3.334	-0.0072	16	-71 19 38.54	0.051	13	0.73	3.670	24	03.4	41.00	19	01.9	K0	GC	7619	P -71 404
58		8.7	6 0 32.355	-0.0024	25	-75 9 44.35	0.114	36	1.45	32.459	53	07.1	49.24	63	07.1		M4	1340	P -75 362
59		9.2	1 46.779	-0.0389	25	-78 16 50.30	0.032	36	1.71	48.796	53	98.1	51.94	63	98.1		M4	1350	P -78 212
60		8.5	2 38.748	0.0046	33	-72 8 43.46	-0.006	43	2.32	38.481	75	92.1	43.12	57	92.1		M3	761	
61		9.0	2 50.659	-0.0064	25	-71 2 36.43	-0.001	36	1.76	51.004	53	96.2	36.49	63	96.2		M4	1344	P -71 410
62		8.7	2 53.583	-0.0175	25	-76 26 1.00	0.025	36	1.74	54.510	53	97.1	2.31	63	97.1		M4	1351	P -76 367
63		8.0T	3 1.941	0.0036	16	-74 7 50.25	0.001	14	0.76	1.768	21	02.8	50.32	21	00.2	K0	GC	7718	P -74 368
64		9.1	3 51.370	-0.0041	25	-79 13 2.80	0.028	36	1.60	51.572	53	01.1	4.19	53	01.1		M4	1361	P -79 208
65		9.2	4 33.446	0.0067	25	-72 45 41.11	-0.028	36	1.59	33.126	53	02.1	39.77	63	02.1		M4	1353	P -72 446
66		8.8	5 41.304	-0.0030	25	-77 16 21.31	-0.007	36	1.45	41.434	53	07.1	21.03	63	07.1		M4	1363	P -77 234
67		9.4T	6 1.846	-0.0045	26	-70 27 21.71	0.007	17	0.99	2.040	22	06.8	22.03	21	02.8	A0	GC	7808	P -70 486
68		9.1	7 1.790	-0.0021	25	-73 41 38.82	-0.050	36	1.62	1.891	53	01.2	36.39	63	01.2		M4	1364	P -73 354
69		8.8T	7 28.178	0.0052	18	-72 29 56.93	-0.404	20	0.89	27.936	19	03.7	38.55	19	04.5	K0	GC	7845	P -72 451
70		8.6	7 34.019	-0.0080	25	-78 33 9.07	-0.041	36	1.58	34.415	36	00.6	7.06	45	00.6		M4	1371	P -78 218
71		8.7	8 21.557	-0.0165	25	-76 21 4.37	0.007	36	1.65	22.381	53	00.2	4.72	63	00.2		M4	1370	P -76 374
72		9.0	9 10.756	0.0006	25	-71 6 34.92	-0.016	36	1.40	10.732	53	08.7	34.27	63	08.7		M4	1368	P -71 415
73		8.7	10 0.467	0.0090	25	-74 22 57.43	-0.006	36	1.65	0.020	53	00.1	57.15	63	00.1		M4	1375	P -74 371
74		5.1H	11 43.975	0.0310	04	-74 44 12.46	-0.211	03	0.14	42.844	06	13.6	5.15	06	15.4	K0	F4	239	P -74 374
75		8.8	11 46.668	-0.0153	25	-79 42 52.07	-0.008	36	1.40	47.295	53	09.0	51.73	63	09.0		M4	1387	P -79 211
76		7.9T	11 47.563	-0.0083	14	-72 59 59.66	0.030	12	0.71	47.970	22	01.0	+ 1.24	19	97.6	A0	GC	7964	P -72 457
77		6.9T	12 44.384	-0.0032	12	-77 5 29.88	0.032	11	0.64	44.553	19	97.9	31.67	19	94.8	A0	GC	7993	P -77 243
78		7.4T	13 34.942	0.0002	11	-75 4 6.05	0.036	11	0.61	34.933	18	98.7	7.99	18	96.5	G5	GC	8030	P*-75 368
79		8.7	13 42.412	0.0080	25	-77 29 25.64	0.015	36	1.59	42.023	45	01.2	26.40	53	01.2		M4	1394	P -77 246
80		8.7	13 48.414	-0.0020	25	-77 29 49.07	0.012	36	1.59	48.514	45	01.2	49.68	53	01.2		M4	1395	P -77 247
81		9.1	15 3.895	-0.0060	25	-74 16 47.13	-0.033	36	1.56	4.178	53	03.2	45.60	63	03.2		M4	1396	P -74 377
82		8.7	15 12.684	-0.0014	25	-70 8 38.74	-0.024	36	1.68	12.755	53	99.2	37.52	63	99.2		M4	1389	P -70 500
83		9.0	15 25.391	0.0116	25	-70 34 45.64	-0.176	36	1.76	24.768	53	96.2	36.18	63	96.2		M4	1391	P -70 501
84		7.2T	15 42.030	-0.0036	10	-71 38 14.64	0.018	09	0.56	42.218	19	97.7	15.66	18	93.6	K5	GC	8089	P -71 425
85		6.5T	15 53.977	-0.0049	11	-71 41 5.18	0.058	09	0.56	54.228	19	98.8	8.46	18	93.5	F8	GC	8093	P -71 426
86		6.8T	15 54.995	-0.0003	11	-73 36 30.34	0.015	08	0.53	55.009	19	00.2	31.21	17	93.1	B9	GC	8094	P -73 360
87		8.7T	15 55.645	0.0060	15	-72 28 40.25	-0.021	17	0.78	55.361	21	02.9	39.28	21	03.4	G5	GC	8095	P -72 463
88		8.3T	17 28.848	-0.0056	12	-77 1 57.39	0.029	13	0.66	29.128	21	00.5	58.81	22	01.7	A5	GC	8135	P -77 250
89		8.8	18 21.638	-0.0030	25	-76 36 50.80	-0.012	36	1.65	21.790	53	00.1	50.18	63	00.1		M4	1411	P -76 386
90		8.0T	19 6.914	0.0014	13	-72 6 35.17	0.036	12	0.67	6.843	18	00.1	37.10	17	96.5	A0	GC	8187	P -72 469
91		8.6	20 11.109	-0.0000	25	-76 37 11.30	0.017	36	1.45	11.111	53	07.1	12.01	63	07.1		M4	1415	P -76 387
92		8.8	20 32.156	-0.0144	25	-71 21 27.66	-0.014	36	1.68	32.888	53	99.2	26.96	63	99.2		M4	1413	P -71 430
93		8.7	20 45.897	0.0016	25	-75 12 3.65	-0.010	36	1.44	45.828	45	06.2	3.22	53	06.2		M4	1416	P -75 374
94		8.2	21 8.540	0.0164	25	-75 40 31.29	-0.015	36	1.65	7.720	53	00.1	30.53	63	00.1		M4	1421	P -75 375
95		9.2	21 12.406	-0.0083	25	-78 30 19.28	-0.014	36	1.43	12.754	53	07.8	18.67	63	07.8		M4	1426	P -78 224
96		9.8	21 27.080	-0.0071	33	-73 55 9.10	0.047	43	2.31	27.488	75	92.2	11.84	53	92.1		M3	796	
97		7.8	22 56.327	0.0086	25	-75 6 4.60	-0.003	36	1.45	55.959	53	07.2	4.49	63	07.2		M4	1428	P -75 376
98		8.1T	23 46.401	0.0003	13	-70 55 0.57	0.010	11	0.65	46.387	22	00.2	1.09	18	98.9	A2	GC	8325	P -70 514
99		8.5T	23 50.390	-0.0184	12	-78 23 5.24	-0.020	11	0.64	51.343	21	98.2	4.14	19	96.3	G5	GC	8328	P -78 226
00		7.5T	24 4.497	-0.0117	12	-79 2 23.54	0.043	11	0.65	5.089	21	99.4	25.88	19	96.1	K0	GC	8331	P -78 227

256300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 6H DM NUMBER
1		7.9T	6 24 32.496	-0.0018	14	-70 9 28.58	-0.000	12	0.69	32.583	22	02.0	28.57	21	97.3	FO	GC	8352	P -70 515
2		8.5	24 47.815	-0.0024	25	-72 8 44.38	0.019	36	1.76	47.943	53	96.2	45.41	63	96.2		M4	1435	P -72 480
3		9.3T	25 42.061	-0.0061	18	-70 58 5.54	0.019	17	0.83	42.336	24	05.1	6.41	24	04.1	F8	GC	8386	P -70 516
4		9.0	26 0.817	-0.0056	25	-71 29 50.46	-0.010	36	1.71	0.527	53	98.1	49.95	63	98.1		M4	1441	P -71 439
5		9.1	28 19.436	-0.0053	25	-73 11 43.67	0.002	36	1.76	19.721	53	96.2	43.78	63	96.2		M4	1448	P -73 382
6		7.6	30 8.446	-0.0107	25	-71 28 17.00	-0.017	36	1.71	7.892	53	98.2	16.11	63	98.2		M4	1451	P -71 449
7		8.7	30 25.124	-0.0150	25	-73 33 11.45	0.004	36	1.65	25.870	53	00.2	11.66	63	00.2		M4	1453	P -73 387
8		7.0T	30 34.457	-0.0001	13	-77 15 18.34	0.057	12	0.65	34.462	21	01.2	21.31	19	97.9	A0	GC	8512	P+ -77 258
9		9.1	31 19.249	-0.0063	25	-71 13 34.90	0.043	36	1.68	19.570	53	99.2	37.08	63	99.2		M4	1455	P -71 452
10		7.4T	31 41.353	-0.0091	11	-78 52 8.91	0.071	11	0.61	41.822	18	98.4	12.81	15	95.2	F0	GC	8543K	P -78 232
11		7.4T	31 46.167	-0.0013	12	-70 28 42.95	0.017	11	0.60	46.231	19	01.7	43.87	19	96.9	F8	GC	8546	P -70 533
12		9.2	32 12.836	-0.0042	25	-72 44 35.48	0.016	36	1.65	13.047	53	00.1	36.28	63	00.1		M4	1460	P -72 496
13		8.0	32 30.668	-0.0194	25	-76 9 47.37	0.013	36	1.81	31.752	45	94.2	48.12	63	94.2		M4	1463	P -76 402
14		7.9T	34 14.783	-0.0021	14	-73 42 38.37	0.000	12	0.67	14.881	21	02.6	38.38	19	98.6	A5	GC	8616	P -73 389
15		8.2	34 57.671	-0.0037	25	-72 13 39.67	-0.006	36	1.46	57.511	53	06.8	39.31	63	06.8		M4	1469	P -72 508
16		9.0	36 26.477	-0.0014	25	-75 10 34.90	-0.020	36	1.48	26.537	53	06.2	34.02	63	06.2		M4	1476	P -75 391
17		6.7T	36 31.089	-0.0038	09	-77 38 38.70	-0.043	11	0.56	31.295	19	95.4	36.39	19	96.2	F5	GC	8584	P -77 270
18		8.1	36 53.768	-0.0052	25	-73 32 9.76	-0.025	36	1.56	54.011	53	03.2	8.57	63	03.2		M4	1477	P -73 392
19		8.8	37 7.274	0.0048	33	-72 44 32.93	-0.061	36	1.68	7.032	53	99.2	29.83	63	99.2		M4	1478	P -72 513
20		8.2	37 46.015	-0.0073	33	-70 52 22.35	-0.007	43	2.28	46.432	75	93.2	21.94	57	93.2		M3	824	
21		7.2T	38 11.916	-0.0031	14	-70 33 26.99	-0.056	12	0.70	12.070	22	01.0	24.01	19	97.1	F8	GC	8718	P -70 543
22		9.1	38 40.952	-0.0007	33	-70 2 56.19	-0.068	43	2.31	40.912	75	92.2	52.29	53	92.2		M3	829	
23		8.8	38 49.733	-0.0029	25	-74 15 33.63	0.033	36	1.47	49.861	53	06.4	35.08	63	06.4		M4	1482	P -74 401
24		8.5T	40 5.672	-0.0026	14	-77 29 30.56	0.021	12	0.71	5.799	22	01.1	31.67	21	97.5	MB	GC	8768	P -77 272
25		7.5T	41 36.123	-0.0022	15	-70 36 8.81	0.066	12	0.73	36.237	27	98.9	12.14	19	99.3	A5	GC	8800	P -70 552
26		6.4T	41 43.158	0.0075	12	-71 43 29.26	-0.054	11	0.63	42.766	21	97.8	26.36	19	96.5	K0	GC	8803K	P -71 476
27		8.8T	42 25.320	-0.0042	11	-78 23 27.45	0.034	11	0.61	25.530	19	99.5	29.28	19	96.9	B9	GC	8819	P -78 240
28		8.2	42 54.798	0.0077	33	-71 50 23.83	-0.015	43	2.28	54.361	75	93.2	22.96	57	93.2		M3	836	
29			43 14.742	-0.0132	25	-77 31 36.85	-0.004	36	1.75	15.451	45	96.2	36.65	63	96.2		M4	14999V	P+ -77 275
30		6.3T	44 38.946	0.0065	14	-73 3 49.61	-0.108	12	0.67	38.548	21	03.2	44.06	19	98.7	K0	GC	8881	P -72 522
31		5.9T	45 26.429	0.0019	16	-70 22 45.70	0.004	12	0.72	26.340	22	02.9	45.89	21	97.1	K2	GC	8895	P -70 560
32		9.0	45 30.551	-0.0084	25	-75 31 37.41	-0.008	36	1.53	30.949	36	02.4	37.01	45	02.4		M4	1507	P -75 403
33		9.1	46 2.468	-0.0014	25	-76 21 15.65	-0.022	36	1.59	2.535	53	02.2	14.62	63	02.2		M4	1508	P -76 417
34		8.9	46 15.126	-0.0063	25	-71 54 16.88	-0.034	36	1.68	15.446	53	99.2	15.14	63	99.2		M4	1506	P -71 488
35		8.0	46 20.661	0.0027	25	-70 28 0.35	-0.007	36	1.62	20.530	53	01.2	-59.98	63	01.2		M4	1504	P -70 564
36		8.9	46 40.653	-0.0078	25	-77 11 32.22	0.083	36	1.60	41.036	45	00.9	36.31	53	00.9		M4	1516	P -77 280
37		8.5	47 58.500	-0.0063	25	-72 3 18.14	0.087	36	1.65	58.813	53	00.2	22.46	63	00.2		M4	1515	P -71 491
38		9.0	49 12.675	0.0012	25	-74 35 3.18	0.060	36	1.56	12.616	36	01.2	6.11	45	01.2		M4	1519	P -74 416
39		6.9T	49 34.485	-0.0039	10	-76 47 34.84	0.001	11	0.61	34.691	19	96.6	34.90	19	96.0	G5	GC	8992K	P -76 422
40		8.8	49 35.886	0.0037	25	-72 24 4.26	0.040	36	1.76	35.685	53	96.2	6.40	63	96.2		M4	1518	R -72 534
41		9.3	49 50.866	-0.0099	33	-74 2 53.39	-0.020	43	2.29	51.441	63	92.2	52.24	53	92.2		M3	855	
42		8.0T	49 58.830	-0.0374	13	-73 14 31.05	0.126	11	0.65	+ 0.633	21	01.8	37.66	19	97.5	F5	GC	9005	P -73 409
43		9.1	50 32.787	0.0063	25	-78 46 21.51	-0.044	36	1.59	32.477	45	01.2	19.36	53	01.2		M4	1530	P -78 241
44		5.5H	52 1.688	0.0003	04	-70 54 5.41	0.018	03	0.13	1.677	06	15.2	6.03	06	16.4	B8	F4	267	P -70 572
45		8.5T	52 14.980	-0.0063	13	-78 1 45.05	0.072	12	0.67	15.275	21	99.6	48.89	19	96.7	G5	GC	9065	P -77 284
46		6.9T	53 6.661	0.0016	12	-70 26 49.92	0.034	11	0.62	6.582	19	00.3	51.71	19	96.7	K0	GC	9085	P -70 574
47		7.4T	53 31.520	-0.0072	25	-77 36 43.91	0.091	11	0.63	31.867	21	01.7	48.64	19	98.1	A2	GC	9097	P -77 286
48		8.9	54 31.100	0.0027	25	-71 31 55.93	-0.027	36	1.59	30.972	53	02.1	54.62	63	02.1		M4	1534	P -71 500
49		7.6T	54 40.852	-0.0176	12	-74 39 45.24	0.189	11	0.62	41.686	21	02.5	54.90	19	98.9	F5	GC	9130	P -74 421
50		8.8	55 0.711	-0.0120	25	-73 41 50.90	-0.048	36	1.58	1.279	53	02.5	48.63	63	02.5		M4	1540	P -73 413
51		7.2T	6 55 44.984	0.0010	11	-70 25 21.19	0.019	11	0.63	44.935	19	00.2	22.31	18	92.6	A2	GC	9155	P -70 581
52		7.6T	56 28.647	-0.0015	10	-77 42 52.03	0.067	09	0.41	28.705	19	10.8	54.37	12	08.9	A2	GC	9178K	P+ -77 288
53		8.7	58 19.789	0.0021	25	-74 26 2.30	0.017	36	1.56	19.682	53	03.1	3.10	63	03.1		M4	1549	P -74 424
54		8.8	59 28.944	0.0138	25	-72 57 33.92	-0.077	36	1.76	28.200	53	96.2	29.78	63	96.2		M4	1551	P -72 547
55		5.5T	59 45.989	-0.0032	06	-79 21 1.00	-0.002	07	0.29	46.121	07	09.0	0.91	07	05.8	A0	GC	9278	P+ -79 236
56		8.9	59 49.531	-0.0043	33	-71 11 7.34	-0.005	43	2.32	49.780	75	92.2	7.04	57	92.2		M3	874	
57		8.8	7 0 58.574	0.0027	33	-71 13 14.72	-0.001	43	2.32	58.420	75	92.2	14.65	57	92.2		M3	876	
58		9.5	1 18.203	-0.0079	25	-76 38 11.75	0.004	36	1.40	18.526	53	09.1	11.92	63	09.1		M4	1560	P -76 429
59		8.1	1 24.038	0.0057	25	-71 19 26.02	0.024	36	1.65	23.705	53	00.1	27.21	63	00.1		M4	1555	P -71 515
60		8.0	1 48.725	-0.0013	25	-72 29 13.12	0.029	36	1.45	48.779	53	97.2	14.35	63	07.2		M4	1556	P -72 551
61		8.1	2 0.847	0.0078	33	-72 59 40.40	-0.066	43	2.28	0.405	75	93.1	36.64	57	93.1		M3	880	
62		8.4	2 12.862	0.0010	25	-73 56 39.13	-0.003	36	1.53	12.812	36	02.6	39.00	53	02.7		M4	1563	P -73 424
63		8.5	2 14.299	-0.0053	25	-70 29 31.57	0.005	36	1.65	14.563	53	00.2	31.84	63	00.2		M4	1557	P -70 590
64		8.1	2 15.717	-0.0022	25	-73 28 42.85	0.023	36	1.62	15.824	53	01.1	43.97	63	01.1		M4	1561	P -73 423
65		8.5	3 0.267	-0.0004	25	-75 32 44.37	0.047	36	1.54	0.263	53	03.9	46.51	63	03.9		M4	1568	P -75 420
66		7.7T	3 38.121	-0.0004	12	-70 27 54.76	-0.001	11	0.62	38.141	19	00.8	54.68	19	97.5	A0	GC	9373	P -70 593
67		9.0	4 46.656	0.0011	25	-74 24 37.34	0.046	36	1.62	46.603	53	01.2	39.59	63	01.2		M4	1574	P -74 427
68		8.4	5 59.258	0.0104	25	-77 51 57.86	-0.003	36	1.43	58.819	53	07.9	57.74	63	07.9		M4	1586	P -77 203
69		7.5T	6 12.302	0.0004	12	-71 11 49.19	0.269	11	0.62	12.283	21	00.5	+ 2.20	19	97.9	G0	GC	9438	P -71 524
70		7.7	6 14.010	0.0018	25	-72 54 45.37	0.009	36	1.76	13.914	53	96.2	45.84	63	96.2		M4	1580	P -72 563
71		8.8	6 21.179	-0.0017	25	-78 42 17.50	0.020	36	1.76	21.268	53	96.2	18.58	63	96.2		M4	1587	P -78 245
72		9.0	9 3.441	-0.0156	25	-78 27 50.17	0.086	36	1.65	4.216	53	00.2	54.46	63	00.2		M4	1597	P -78 249
73		5.8T	9 8.228	0.0017	09	-70 24 57.88	0.097	07	0.40	8.148	14	02.8	+ 2.82	14	99.3	G0	GC	9513K	P+ -70 600
74		3.9H	9 10.804	0.0052	03	-70 25 4.75	0.102	03	0.11	10.593	05	09.8	8.33	05	14.7	K0	F4	1189	P -70 600
75		7.6T	9 25.235	-0.0000	12	-75 58 0.22	-0.008	11	0.62	25.236	22	00.0	-59.82	21	96.6	K2	GC	9522	P -75 426
76		8.4T	9 57.184	-0.0039	12	-75 13 10.83	0.048	11	0.61	57.377	18	99.9	13.33	18	97.8	K0	GC	9539	P -75 427
77		8.1T	11 16.136	0.0057	13	-72 15 27.11	0.028	12	0.67	15.851	21	00.1	28.60	19	96.3	A3	GC	9573	P -72 578
78		7.0T	11 39.095	-0.0013	12	-70 2 6.49	0.092	11	0.64	39.162	22	99.5	11.31	18	97.4	K0	GC	9586	P -69 705
79		8.1T	12 10.467	0.0002	12	-72 40 10.68	0.013	11	0.64	10.456	22	99.6	11.56	18	97.7	K0	GC	9607	P -72 577
80		8.6	12 28.662	0.0013	25	-78 51 26.67	0.042	36	1.76	28.591	53	96.2	28.94	63	96.2		M4	1611	P -78 252
81		7.9T	12 36.480	-0.0061	10	-79 20 48.99	0.043	11	0.58	36.810	19	96.0	51.25	19	97.5	A0	GC	9618	P -79 243
82		9.0	13 5.068	-0.0174	25	-75 19 4.59	-0.052	36	1.58	5.924	36	00.7	2.02	45	00.7		M4	1605	P -75 432
83		8.9	13 37.589	-0.0190	25	-73 38 20.36	-0.020	36	1.59	38.514	45	01.2	19.39	53	01.2		M4	1606	P -73 436
84		8.8	14 14.501	0.0031	33	-74 2 55.57	-0.065	43	2.28	14.327	75	93.1	51.88	57	93.1		M3	903	
85		8.7	14 35.326	0.0011	33	-74 4 6.06	-0.093	43	2.28	35.266	75	93.1	0.78	57	93.1		M3	904	
86		9.0	15 1.387	0.0062	33	-79 53 52.26	0.050	43	2.28	1.037	75	93.2	55.13	57	93.2		M3	909	
87		8.5T	16 30.622	-0.0056	12	-72 39 2.44	0.032	11	0.63	30.896	21	01.3	4.11	19	97.6	F0	GC	9731	P -72 582
88		7.3T	17 6.914	-0.0006	12	-75 46 29.32	0.094	11	0.61	6.941	21	01.5	34.25	19	97.8	F5	GC	9753K	P+ -75 437
89		9.7	17 22.196	0.0521	25	-76 56 17.17	-0.109	36	1.39	20.063	53	09.1	12.72	63	09.1		M4	1627	P -76 444
90		7.3T	17 34.972	-0.0060	12	-71 39 31.80	0.079	11	0.61	35.266	21	01.0	35.91	19	97.8	F5	GC	9767	P -71 557
91		8.9	18 8.479	-0.0046	25	-78 20 21.47	0.032	36	1.53	8.693	45	03.2	22.98	53	03.2		M4	1629	P -78 258
92		8.1T	18 37.617	-0.0068	13	-78 13 35.42	0.018	11	0.65	37.951	22	00.6	36.40	19	96.1	K5	GC	9793	P -78 259
93		8.8	18 50.002	0.0012	25	-77 14 59.48	0.079	36	1.53	49.949	53	04.2	+ 3.11	63	04.2		M4	1630	P -77 304
94		8.3	18 59.895	0.0006	25	-75 35 15.78	-0.019	36	1.56	59.865	53	03.2	14.87	63	03.2		M4	1628	P -75 439
95		8.2T	19 50.232	0.0019	11	-70 6 45.98	-0.029	11	0.63	50.132	19	96.8	44.38	18	94.0	F8	GC	9829	P+ -69 719
96		8.4	20 22.991	0.0000	25	-73 49 29.69	0.006	36	1.72	22.989	45	96.9	30.02	53	96.9		M4	1631	P -73 441
97		8.4	20 32.520	-0.0104	25	-75 8 33.94	-0.038	36	1.58	33.031	36	00.7	32.06	45	00.7		M4	1632	P -74 432
98		8.3T	20 50.975	-0.0144	12	-76 19 25.02	0.149	12	0.66	51.682	18	00.9	32.77	18	98.1	F8	GC	9855	P -76 445
99		7.9T	21 28.116	-0.0056	12	-71 26 7.49	0.005	11	0.62	28.393	21	00.6	.7.75	19	97.8	M0	GC	9869	P -71 565
00		8.9	23 11.120	-0.0074	25	-75 15 22.15	-0.004	36	1.39	11.420	53	09.2	21.98	63	09.2		M4	1648	P -75 443

256400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 7H DM NUMBER
1		9.0	7 23 16.829	-0.0065	33	-75 51 7.33	-0.093	43	2.28	16.458	75	93.2	2.07	57	93.2		M3	921	
2		7.9T	23 30.997	-0.0091	11	-70 32 17.00	0.068	11	0.61	31.471	22	98.1	17.42	21	96.1	K0	GC	9927	P -70 638
3		8.4	23 55.766	-0.0110	25	-73 49 46.64	0.011	36	1.40	56.217	53	08.8	47.09	63	08.8		M4	1649	P -73 445
4		9.0	24 0.540	0.0118	33	-72 55 29.71	-0.059	43	2.31	-59.859	75	92.2	26.36	53	92.2		M3	920	
5		9.4T	24 23.224	0.0033	18	-72 13 1.68	-0.013	18	0.86	23.075	24	05.1	1.09	24	04.8	K7	GC	9946	P -72 592
6		7.7T	24 27.975	-0.0216	11	-79 4 1.87	0.114	12	0.61	29.038	21	00.5	7.74	19	98.5	K0	GC	9948K	P -78 261
7		9.2	24 47.045	-0.0148	25	-79 51 47.75	0.118	36	1.59	47.754	53	02.2	53.42	63	02.2		M4	1659	P -79 247
8		6.5T	25 8.560	-0.0003	12	-71 22 12.84	0.052	11	0.63	8.576	21	97.4	15.61	18	96.6	A2	GC	9967	P -71 574
9		9.0T	25 11.492	-0.0059	15	-72 12 34.88	0.001	18	0.79	11.765	24	03.6	34.91	22	05.8	K0	GC	9968	P -72 594
10		8.1T	25 29.732	0.0036	14	-70 18 8.91	0.032	12	0.69	29.557	21	01.1	10.62	19	97.3	K0	GC	9978	P -70 648
11		9.1	26 17.252	-0.0080	25	-73 38 7.17	-0.047	36	1.62	17.641	53	01.2	4.88	63	01.2		M4	1656	P -73 450
12		9.3	27 20.337	-0.0028	25	-77 20 41.33	0.090	36	1.76	20.489	53	96.2	46.18	63	96.2		M4	1663	P -77 313
13		8.0T	27 38.766	0.0081	12	-75 29 14.88	-0.001	11	0.64	38.347	21	98.1	14.82	19	93.5	K0	GC	10041	P -75 445
14		8.5	28 4.543	0.0038	33	-72 59 20.54	0.011	43	2.28	4.328	75	93.1	21.16	57	93.1		M3	932	
15		5.4T	28 25.568	-0.0114	06	-78 59 27.45	0.010	06	0.25	26.021	09	10.2	27.87	09	08.3	K2	GC	10055	P*-78 265
16		9.1	30 24.034	-0.0103	25	-73 16 26.12	-0.095	36	1.73	24.577	53	97.2	21.12	63	97.2		M4	1669	P -73 452
17		9.0	31 2.805	0.0267	25	-72 50 22.34	-0.011	36	1.65	1.475	53	00.2	21.81	63	00.2		M4	1670	P -72 608
18		8.5	31 17.441	-0.0017	25	-77 43 33.86	-0.029	36	1.62	17.524	53	01.2	32.47	63	01.2		M4	1673	P -77 317
19		7.7T	32 22.802	0.0030	12	-74 34 56.42	0.031	12	0.61	22.656	19	01.8	57.97	19	00.4	A3	GC	10153	P -74 448
20		7.4T	32 28.324	-0.0035	12	-74 10 55.04	0.027	11	0.65	28.506	21	98.1	56.48	19	95.5	F0	GC	10159	P -74 447
21		8.6	33 9.493	-0.0006	25	-75 25 3.38	-0.011	36	1.39	9.519	36	07.1	2.92	45	07.1		M4	1682	P -75 452
22		8.9	33 9.826	-0.0114	25	-71 10 53.67	-0.019	36	1.68	10.404	53	99.2	52.72	63	99.2		M4	1676	P -71 590
23		9.0	33 42.692	-0.0043	25	-72 28 38.78	-0.026	36	1.76	42.925	53	96.2	37.39	63	96.2		M4	1681	P -72 611
24		8.1T	34 41.000	0.0021	14	-77 58 31.30	0.050	12	0.69	40.895	22	01.0	34.00	19	96.4	G0	GC	10213	P -77 319
25		8.4	34 50.983	-0.0094	25	-70 16 16.63	-0.022	36	1.65	51.450	53	00.2	15.53	63	00.2		M4	1684	P -70 664
26		7.3T	35 19.714	0.0035	12	-76 58 17.50	0.034	11	0.60	19.547	21	02.0	19.28	19	98.3	A0	GC	10240	P -76 458
27		7.4T	35 58.617	-0.0003	12	-70 24 37.49	-0.005	12	0.67	58.630	21	98.9	37.21	19	96.2	K0	GC	10259	P*-70 666
28		6.5T	36 24.214	-0.0007	09	-74 9 44.75	0.006	11	0.59	24.254	18	94.0	45.06	17	94.3	B9	GC	10269K	P*-73 457
29		7.6T	37 1.593	-0.0315	13	-75 25 48.36	0.010	12	0.68	3.161	19	00.2	48.90	19	96.6	F8	GC	10292	P -75 458
30		8.9	37 35.345	0.0063	25	-78 53 59.16	-0.004	36	1.56	35.044	45	02.2	58.99	53	02.2		M4	1700	P -78 269
31		6.5T	38 6.917	-0.0011	13	-77 31 10.57	0.038	12	0.68	6.972	21	00.1	12.63	19	96.4	K2	GC	10329	P -77 321
32		9.1	39 47.518	-0.0074	25	-70 19 43.03	-0.014	36	1.76	47.915	53	96.2	42.27	63	96.2		M4	1699	P -70 673
33		8.3	40 27.672	-0.0153	25	-72 27 55.02	0.061	36	1.52	28.400	36	02.6	57.91	45	02.6		M4	1705	P -72 622
34		9.0	41 2.429	-0.0177	25	-79 41 21.14	-0.018	36	1.62	3.295	53	01.2	20.24	63	01.2		M4	1717	P -79 253
35		7.1T	41 16.423	-0.0002	12	-71 38 40.51	-0.013	11	0.61	16.431	21	01.6	39.85	19	98.3	K0	GC	10398	P -71 607
36		8.4	41 26.969	-0.0064	25	-71 5 26.57	-0.005	36	1.39	27.231	53	09.1	26.37	63	09.1		M4	1713	P -70 678
37		8.6	41 39.042	-0.0027	25	-79 18 12.04	-0.029	36	1.76	39.187	53	96.2	10.50	63	96.2		M4	1723	P -79 254
38		3.9N	42 26.985	0.0068	03	-72 29 10.69	0.016	02	0.11	26.726	06	11.7	11.28	05	13.2	K0	F4	297V	P -72 627
39		9.5Q	42 30.063	0.0044	11	-72 29 18.49	0.014	13	0.65	29.835	21	97.8	19.18	22	01.0		GC	10446K	P -72 627
40		6.9T	42 38.957	-0.0163	11	-78 16 8.16	0.088	11	0.58	39.751	21	01.3	12.66	19	99.1	A2	GC	10448	P -78 273
41		9.3	42 42.226	0.0060	25	-74 29 52.74	0.006	36	1.59	41.939	53	02.2	53.00	63	02.2		M4	1716	P -74 464
42		9.0	42 42.870	0.0010	33	-77 9 14.08	0.057	43	2.28	42.814	75	93.2	17.34	57	93.2		M3	974	
43		9.3	43 3.889	-0.0010	25	-74 28 34.87	-0.013	36	1.59	3.936	53	02.2	34.23	63	02.2		M4	1719	P -74 466
44		8.7	43 15.046	0.0081	25	-74 49 40.39	-0.021	36	1.48	14.689	53	06.2	39.49	63	06.2		M4	1722	P -74 467
45		7.3T	43 18.134	-0.0009	13	-71 25 15.68	0.033	12	0.69	18.177	21	00.1	17.46	19	96.6	K5	GC	10459	P -71 612
46		9.0	45 52.882	0.0040	25	-73 43 9.03	0.063	36	1.51	52.700	45	04.0	11.98	45	02.9		M4	1731	P -73 469
47		7.7T	46 44.713	0.0022	12	-71 35 47.53	0.042	11	0.61	44.603	19	00.9	49.72	19	97.9	F2	GC	10547	P -71 618
48		8.3T	47 45.255	0.0002	13	-73 57 55.09	0.036	11	0.66	45.246	22	00.1	56.93	18	98.3	A0	GC	10577	P -73 471
49		9.2	48 8.540	0.0130	25	-74 29 29.93	0.019	36	1.56	7.906	36	01.2	30.88	45	01.2		M4	1736	P -74 469
50		8.9	48 27.685	-0.0070	25	-79 32 35.82	0.088	36	1.56	28.011	53	03.2	39.91	63	03.2		M4	1741	P -79 255
51		8.5	7 50 18.678	0.0010	25	-77 1 28.88	-0.031	36	1.73	18.626	45	96.2	27.24	53	96.2		M4	1747	P -76 478
52		8.4	50 28.275	0.0069	25	-76 38 39.12	-0.021	36	1.43	28.011	36	05.6	40.07	45	05.6		M4	1749	P -76 477
53		8.5	50 39.841	-0.0010	25	-74 30 31.86	-0.013	36	1.51	39.887	45	03.8	31.28	53	03.8		M4	1745	P -74 472
54		8.0T	51 2.863	-0.0074	15	-70 38 57.40	0.041	12	0.75	3.241	24	99.0	59.69	21	99.4	F0	GC	10665K	P*-70 694
55		9.6	51 19.297	0.0117	25	-73 20 12.43	0.061	36	1.46	18.775	45	05.5	15.16	53	05.5		M4	1748	P -73 472
56		8.6	51 22.797	0.0074	25	-75 27 45.38	0.023	36	1.76	22.398	53	96.2	46.63	63	96.2		M4	1751	P -75 467
57		8.7	54 23.245	0.0054	25	-76 28 50.81	-0.005	36	1.45	23.014	53	07.2	50.58	63	07.2		M4	1762	P -76 481
58		9.0	55 58.526	-0.0003	25	-72 58 32.77	-0.032	36	1.40	58.538	53	08.8	31.46	63	08.8		M4	1766	P -72 650
59		8.8T	56 50.269	-0.0017	13	-76 21 46.97	0.085	12	0.67	50.350	22	02.1	51.26	21	99.3	M0	GC	10803	P -76 484
60		8.5	56 59.022	-0.0044	25	-70 34 51.93	0.010	36	1.62	59.239	53	01.2	52.42	63	01.2		M4	1768	P -70 702
61		8.7	58 36.032	-0.0053	25	-73 20 10.13	-0.053	36	1.76	36.316	53	96.2	7.29	63	96.2		M4	1772	P -73 478
62		9.3	58 36.890	0.0053	25	-78 0 47.59	0.092	36	1.59	36.635	53	02.2	52.01	63	02.2		M4	1774	P -77 338
63		6.4T	59 53.980	0.0016	11	-73 6 19.53	-0.039	10	0.60	53.898	19	99.0	17.47	19	96.9	A2	GC	10898	P -72 654
64		7.7T	8 0 32.498	-0.0090	11	-79 29 39.23	0.012	11	0.63	32.969	21	97.5	39.93	19	93.5	K5	GC	10915	P -79 257
65		9.2	1 55.857	-0.0037	33	-76 4 23.88	0.028	43	2.31	56.068	75	92.2	25.48	53	92.2		M3	1016	
66		8.5	2 6.196	0.0040	25	-74 4 4.15	-0.006	36	1.56	6.010	53	03.2	3.85	63	03.2		M4	1784	P -73 479
67		9.5	2 10.075	0.0007	33	-72 25 29.56	-0.071	43	2.28	10.038	75	93.2	25.53	57	93.2		M3	1010	
68		8.8	2 42.985	-0.0104	25	-71 33 28.70	0.015	36	1.67	43.501	36	97.7	29.49	45	97.7		M4	1786	P -71 647
69		7.6T	3 8.801	-0.0020	11	-79 0 58.05	0.055	11	0.67	8.901	19	99.5	+ 0.98	19	97.2	K0	GC	10988	P -78 284
70		9.1	3 30.329	-0.0010	25	-74 38 23.77	-0.063	36	1.55	30.377	36	01.7	20.75	45	01.7		M4	1794	P -74 483
71		7.2T	3 57.264	0.0007	13	-70 11 39.24	0.028	12	0.68	57.228	21	00.5	40.76	19	95.4	A0	GC	11004	P -69 829
72		8.9	4 18.908	-0.0140	25	-79 32 22.42	-0.006	36	1.62	19.589	53	01.2	22.11	63	01.2		M4	1801	P -79 259
73		9.0	6 21.998	-0.0144	25	-70 23 41.06	0.062	36	1.79	22.786	53	95.2	44.45	63	95.2		M4	1799	P -70 726
74		9.1	6 25.901	-0.0006	25	-78 21 5.81	-0.094	36	1.57	25.932	36	01.1	1.24	45	01.1		M4	1808	P -78 288
75		8.3	8 36.797	-0.0053	25	-73 20 0.38	-0.028	36	1.39	37.012	53	09.1	-59.25	63	09.1		M4	1809	P -73 484
76		7.1T	9 13.630	0.0032	12	-71 34 22.37	0.029	10	0.60	13.472	19	01.2	23.94	18	96.0	K2	GC	11140	P -71 657
77		9.2	9 14.542	0.0050	25	-77 22 19.36	-0.016	36	1.76	14.272	53	96.3	18.53	63	96.3		M4	1817	P -77 350
78		8.2	9 19.656	-0.0000	25	-74 22 23.78	0.036	36	1.56	19.656	53	03.2	25.49	63	03.2		M4	1814	P -74 489
79		8.7	9 35.432	-0.0017	25	-75 54 52.02	-0.007	36	1.46	35.509	36	04.7	51.69	45	04.7		M4	1816	P -75 485
80		9.2	9 41.353	0.0057	25	-72 29 51.99	0.015	36	1.64	41.072	53	00.3	52.74	63	00.3		M4	1812	P -72 664
81		8.6	10 9.438	0.0054	25	-76 29 12.85	-0.121	36	1.59	9.179	53	02.2	7.05	63	02.2		M4	1821	P -76 494
82		6.8T	10 16.089	0.0149	11	-78 32 44.18	0.002	11	0.61	15.347	21	00.2	44.30	19	97.3	K0	GC	11169	P -78 297
83		8.6	11 1.246	-0.0114	25	-71 11 1.35	-0.203	36	1.79	1.869	53	95.3	-50.25	63	95.3		M4	1819	P -70 735
84		8.6	11 35.724	-0.0074	25	-70 21 37.14	0.011	36	1.65	36.092	53	00.2	37.69	63	00.2		M4	1822	P -70 737
85		7.8	12 25.815	0.0086	33	-71 6 51.36	-0.144	43	2.28	25.326	75	93.2	43.19	57	93.2		M3	1035	
86		8.5	12 27.079	-0.0029	25	-74 50 52.31	-0.062	36	1.47	27.204	53	06.2	49.61	63	06.2		M4	1826	P -74 493
87		8.2	12 44.595	0.0060	33	-76 56 44.84	0.031	43	2.28	44.256	75	93.2	46.62	57	93.2		M3	1038	
88		8.4	12 53.863	0.0077	33	-73 1 50.21	-0.015	43	2.32	53.417	75	92.2	49.36	57	92.2		M3	1036	
89		6.6T	15 19.691	-0.0085	13	-73 39 10.29	0.056	12	0.66	20.111	19	00.8	13.18	17	98.1	A5	GC	11305K	P*-73 488
90		9.6T	15 39.189	-0.0003	18	-71 41 1.03	-0.063	18	0.87	39.201	22	04.0	-58.14	22	04.1	F2	GC	11317	P -71 668
91		7.3T	17 20.239	0.0018	13	-79 9 46.96	0.041	12	0.68	20.149	21	00.1	49.17	19	96.4	A0	GC	11355	P -78 315
92		9.0	17 57.981	-0.0051	25	-73 40 7.08	-0.076	36	1.74	58.252	45	96.5	3.00	63	96.6		M4	1842	P -73 491
93		8.4	19 8.393	-0.0054	25	-72 38 0.69	-0.015	36	1.76	8.682	53	96.2	-59.88	63	96.2		M4	1844	P -72 683
94		8.5	19 21.076	0.0210	25	-74 34 46.95	0.001	36	1.56	20.094	53	03.2	47.01	63	03.2		M4	1847	P -74 498
95		7.9T	19 34.995	0.0033	12	-74 51 20.94	0.001	11	0.61	34.830	19	00.8	21.01	18	97.5	A2	GC	11404	P -74 500
96		4.1T	19 51.079	0.0328	04	-76 45 44.05	0.108	04	0.22	49.607	09	05.1	49.48	09	99.9	F5	GC	11419	P*-76 507
97		5.4T	19 58.562	-0.0020	07	-71 21 20.90	0.026	06	0.28	58.642	10	09.3	22.05	12	06.0	B9	GC	11421	P*-71 677
98		9.2	20 0.536	-0.0067	25	-78 45 10.16	0.043	36	1.62	0.863	53	01.2	12.27	63	01.2		M4	1855	P -78 326
99		5.7T	20 9.985	-0.0010	07	-71 20 45.61	0.040	06	0.29	10.024	10	09.9	47.36	12	06.4	A0F	GC	11430	P*-71 678
100		8.6T	20 13.833	-0.0035	11	-71 20 13.75	0.017	12	0.63	14.009	22	99.6	14.60	22	00.5		GC	11431	P -71 679

256500

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 8H DM NUMBER
1		8.7	8 21 34.566	0.0053	25	-79 12 21.80	-0.039	36	1.47	34.334	53	06.3	20.11	63	06.3		M4	1858	P -78 330
2		8.5T	21 48.575	-0.0092	12	-78 10 4.85	0.039	11	0.65	49.049	21	98.7	6.98	19	95.9	A2	GC	11471	P -77 384
3		4.3M	22 10.841	-0.0391	02	-77 19 26.06	0.036	02	0.08	12.361	04	11.2	27.47	04	11.0	K0	F4	318	P -77 383
4		8.7	22 11.551	-0.0304	33	-72 2 52.63	-0.060	43	2.32	13.307	75	92.2	49.17	57	92.2		M3	1056	
5		5.4T	22 32.621	-0.0058	06	-73 14 18.99	0.011	05	0.24	32.860	09	08.5	19.50	09	04.3	A2	GC	11485K	P*-72 694
6		7.1T	23 21.845	0.0004	14	-70 5 8.12	0.013	12	0.69	21.824	22	01.0	8.80	19	97.2	K2	GC	11506	P -69 902
7		7.1T	23 57.564	-0.0051	12	-76 16 4.85	0.042	11	0.63	57.827	21	98.4	7.16	18	94.7	A2	GC	11524K	P -76 514
8		8.9T	24 3.460	-0.0017	12	-76 16 21.87	0.026	13	0.67	3.542	22	01.4	23.13	22	01.1	A	GC	11529K	P -76 515
9		9.2	24 4.085	-0.0090	25	-73 43 59.27	-0.057	36	1.75	4.569	53	96.6	56.20	63	96.6		M4	1860	P -73 499
10		8.3T	24 14.342	-0.0093	13	-74 0 10.23	0.036	12	0.68	14.803	21	00.5	12.17	19	95.4	A3	GC	11537	P -73 500
11		7.6T	25 44.890	0.0051	11	-74 44 52.98	0.022	11	0.60	44.633	19	00.0	54.19	19	96.0	G5	GC	11582	P -74 509
12		8.3	25 45.255	0.0100	25	-76 33 11.26	-0.010	36	1.73	44.725	53	97.2	10.71	63	97.2		M4	1873	P -78 337
13		8.7T	25 57.974	-0.0011	12	-74 39 57.07	0.048	13	0.66	58.028	22	00.4	59.51	21	99.7	F8	GC	11588	P -74 510
14		8.3	26 37.747	0.0007	25	-77 37 5.41	0.093	36	1.41	37.718	53	08.6	9.28	63	08.6		M4	1877	P -77 390
15		7.5T	27 7.305	0.0018	14	-71 22 31.66	-0.030	16	0.73	7.220	21	03.8	30.51	22	04.0	K0	GC	11618	P -71 698
16		6.9T	28 23.838	-0.0053	12	-75 11 30.59	0.077	10	0.64	24.118	21	97.4	34.97	19	93.3	A2	GC	11648	P*-74 513
17		8.4	28 48.788	-0.0030	25	-77 33 40.29	0.107	36	1.76	48.951	53	96.3	46.01	63	96.3		M4	1885	P -77 395
18		7.2T	29 3.869	-0.0065	13	-71 54 49.16	0.057	12	0.69	4.194	21	99.6	52.27	19	95.6	A2	GC	11671	P -71 702
19		8.6	29 13.687	-0.0129	25	-74 47 9.38	0.061	36	1.58	14.306	53	01.9	11.86	53	01.7		M4	1881	P -74 515
20		7.4	30 41.232	-0.0045	25	-70 40 23.63	-0.052	36	1.76	41.476	53	96.2	20.86	63	96.2		M4	1889	P -70 784
21		7.9T	30 45.960	0.0116	11	-78 45 22.84	-0.011	11	0.58	45.375	21	99.4	22.27	19	97.0	K0	GC	11718	P -78 349
22		6.7T	32 24.333	-0.0024	11	-74 41 0.35	0.002	11	0.60	24.455	19	99.5	0.48	19	95.9	K0	GC	11761	P -74 520
23		8.2	32 49.755	-0.0075	25	-71 37 23.54	0.030	36	1.65	50.130	53	00.2	25.06	63	00.2		M4	1898	P -71 711
24		6.0T	33 3.651	-0.0080	11	-73 11 7.45	0.078	09	0.60	4.076	21	96.9	11.95	18	91.9	K0	GC	11776	P -72 713
25		7.6T	33 29.630	-0.0503	12	-76 45 29.19	0.175	11	0.63	32.102	19	00.9	38.54	19	96.7	G0	GC	11789	P -76 525
26		7.1T	36 1.099	-0.0194	13	-79 59 3.31	0.010	13	0.70	2.057	21	00.5	3.80	19	98.3	K5	GC	11854	P -79 327
27		7.0T	36 14.402	-0.0006	12	-70 30 4.44	-0.001	11	0.62	14.434	18	98.2	4.41	17	94.2	B9	GC	11859	P -70 796
28		8.1	36 23.717	-0.0025	33	-71 29 9.66	-0.050	43	2.26	23.860	63	93.2	6.85	57	93.2		M3	1089	
29		7.2T	36 57.392	-0.0069	12	-76 49 33.67	0.015	11	0.64	57.752	21	98.1	34.54	19	93.6	K5	GC	11878	P -76 528
30		9.1	37 30.004	0.0096	25	-73 14 7.11	0.053	36	1.76	29.489	53	96.2	9.99	63	96.2		M4	1912	P -72 723
31		8.7T	38 1.720	-0.0228	13	-78 19 12.63	0.093	12	0.67	2.847	22	00.5	17.63	21	96.5	F2	GC	11919	P -78 366
32		6.7T	38 28.087	-0.0052	12	-74 23 48.89	-0.052	11	0.62	28.346	19	00.5	46.09	19	96.5	A5	GC	11930	P -74 530
33		8.1T	38 29.237	0.0014	13	-74 53 24.14	0.003	12	0.68	29.167	21	99.8	24.33	19	95.9	A2	GC	11932	P -74 531
34		7.4T	38 49.650	0.0013	11	-76 35 40.34	0.024	10	0.59	49.783	19	99.7	41.64	19	96.5	K0	GC	11942	P -76 530
35		5.3T	38 54.785	0.0040	06	-70 12 29.54	-0.048	05	0.29	54.611	12	06.3	27.25	12	02.2	A0	GC	11947K	P*-69 946
36		6.9T	39 2.311	0.0067	12	-73 53 54.90	0.155	11	0.63	1.985	21	01.5	+ 2.99	19	97.7	K0	GC	11953	P -73 523
37		8.3	40 11.970	0.0001	25	-75 32 28.03	0.066	36	1.61	11.965	53	01.6	31.21	63	01.6		M4	1927	P -75 521
38		6.9	40 18.230	0.0255	25	-71 41 49.35	0.180	36	1.76	16.859	53	96.2	59.06	63	96.2		M4	1926	P -71 729
39		7.1T	41 32.015	-0.0141	14	-72 24 34.61	0.067	12	0.68	32.688	21	02.2	38.11	19	98.0	F0	GC	12016	P -72 730
40		7.1T	41 50.882	-0.0008	11	-73 26 2.17	0.024	11	0.64	50.924	22	98.4	3.44	21	96.1	A0	GC	12023	P -73 525
41		8.4T	42 19.700	0.0485	12	-79 29 34.20	-0.042	11	0.62	17.234	22	99.2	31.99	18	97.0	F8	GC	12039	P -79 340
42		7.4T	42 34.141	0.0017	13	-74 25 40.52	0.030	12	0.66	34.059	22	00.4	42.06	19	98.4	B9	GC	12048	P -74 536
43		5.6H	43 4.655	-0.0078	03	-78 46 57.76	0.021	02	0.10	4.907	05	17.7	58.48	04	16.1	B9	F4	331	P -78 372
44		7.7T	43 31.540	-0.0083	12	-78 52 0.16	0.057	11	0.63	31.941	21	01.4	3.14	19	97.9	A0	GC	12078	P -78 375
45		7.5	43 45.314	-0.0025	25	-71 38 38.76	-0.041	36	1.67	45.443	53	99.3	36.70	63	99.3		M4	1936	P -71 738
46		8.1T	44 3.003	0.0089	13	-76 56 7.00	0.041	12	0.68	2.563	21	00.5	9.22	19	96.4	A0	GC	12099	P -76 538
47		7.6T	44 25.743	0.0037	12	-74 7 11.02	0.011	11	0.63	25.554	19	99.4	11.61	19	95.7	A0	GC	12111	P -73 528
48		8.2T	44 40.742	-0.0036	12	-76 51 59.87	0.012	12	0.67	40.926	22	99.3	+ 0.53	21	96.3	A0	GC	12121	P -76 539
49		6.1T	44 58.108	-0.0093	06	-78 53 15.10	0.039	04	0.24	58.492	10	08.5	16.85	09	05.5	A5	GC	12128	P -78 378
50		6.6T	45 12.746	-0.0020	12	-74 36 16.17	0.014	11	0.61	12.848	19	99.6	16.93	19	96.8	K2	GC	12133	P -74 538
51		6.9T	8 46 41.222	0.0049	10	-76 53 25.65	-0.019	11	0.58	40.973	19	99.1	24.66	19	96.9	A0	GC	12168	P -76 544
52		5.8T	47 48.951	-0.0099	07	-79 19 12.46	0.064	05	0.27	49.339	10	10.6	16.03	09	07.6	K2	GC	12194	P -79 352
53		8.6	47 49.044	-0.0234	25	-79 30 13.06	0.007	36	1.50	50.112	45	04.2	13.36	53	04.2		M4	1958	P -79 353
54		7.9T	47 56.020	0.0026	14	-71 7 49.37	0.018	11	0.67	55.893	22	01.1	50.33	18	97.6	A0	GC	12201	P -70 827
55		8.5	49 29.090	-0.0080	25	-74 52 17.05	-0.024	36	1.46	29.438	53	06.6	16.01	63	06.6		M4	1960	P -74 545
56		6.1T	49 52.578	0.0007	13	-72 21 47.49	0.021	12	0.66	52.542	18	00.3	48.63	17	96.5	A2	GC	12252	P -72 747
57		8.1	50 20.464	0.0047	25	-77 24 44.24	-0.025	36	1.53	20.248	53	04.2	43.11	63	04.2		M4	1965	P -77 445
58		8.0	50 53.154	-0.0059	25	-75 28 15.35	-0.035	36	1.73	53.464	53	97.2	13.51	63	97.2		M4	1966	P -75 541
59		8.8T	51 17.682	-0.0082	13	-73 53 44.12	0.079	13	0.69	18.077	22	01.7	48.06	22	00.0	F8	GC	12294	P -73 542
60		9.0	51 23.489	0.0005	25	-71 5 46.85	-0.076	36	1.79	23.462	53	95.3	42.72	63	95.3		M4	1964	P -70 836
61		8.8	51 33.049	-0.0172	25	-73 46 11.50	0.007	36	1.56	33.854	53	03.2	11.81	63	03.2		M4	1968	P -73 543
62		9.2	51 35.777	-0.0185	25	-72 23 44.66	-0.008	36	1.76	36.769	53	96.3	44.25	63	96.3		M4	1967	P -72 749
63		9.3	51 58.145	-0.0055	25	-74 45 42.07	0.041	36	1.43	58.368	36	05.7	43.91	45	05.6		M4	1972	P -74 546
64		9.1	53 37.667	-0.0095	25	-71 19 9.82	0.001	36	1.79	38.188	53	95.3	9.90	63	95.3		M4	1976	P -71 763
65		7.4T	54 25.284	-0.0030	11	-74 41 36.35	0.032	11	0.63	25.441	22	98.2	38.14	19	94.9	K2	GC	12371	P -74 550
66		8.4T	54 53.241	0.0008	12	-73 51 4.60	0.019	11	0.62	53.199	18	99.4	5.61	17	96.1	A2	GC	12384K	P*-73 547
67		8.3	55 56.055	-0.0033	25	-77 24 47.56	0.004	36	1.76	56.232	53	96.3	47.80	63	96.3		M4	1995	P -77 460
68		7.2T	56 53.188	-0.0007	13	-70 49 21.07	0.010	12	0.69	53.224	18	99.7	21.63	19	96.5	K2	GC	12423	P -70 843
69		7.0T	57 7.484	0.0014	12	-73 43 40.57	0.017	10	0.61	7.412	22	99.3	41.44	18	98.9	K2	GC	12429	P -73 548
70		9.1	57 10.157	0.0097	33	-78 32 33.80	0.017	43	2.28	9.609	75	93.2	34.74	57	93.2		M3	1140	
71		8.8	58 10.696	0.0017	33	-78 36 9.02	0.044	43	2.28	10.602	75	93.2	11.49	57	93.2		M3	1146	
72		8.5	59 3.217	0.0126	33	-73 1 30.00	-0.059	43	2.29	2.491	63	92.2	26.57	53	92.2		M3	1142	
73		7.0T	9 0 20.774	-0.0066	09	-74 12 10.71	0.017	10	0.58	21.152	18	92.3	11.68	15	91.7	B9	GC	12506	P -73 550
74		8.2T	0 35.784	0.0017	12	-75 31 42.26	0.013	10	0.63	35.686	14	92.5	42.99	12	92.5	M0	GC	12512	P -75 554
75		9.1	2 29.160	0.0250	33	-76 6 33.93	0.033	43	2.31	27.713	75	92.2	35.82	53	92.2		M3	1153	
76		8.9	2 43.808	-0.0241	25	-76 41 47.49	0.061	36	1.76	45.105	53	96.2	50.74	63	96.2		M4	2008	P -76 562
77		8.9	2 44.318	-0.0241	25	-76 41 46.81	0.061	36	1.76	45.615	53	96.2	50.07	63	96.2		M4	2009	P -76 562
78		8.6	2 53.773	-0.0081	25	-79 15 25.50	-0.014	36	1.44	54.118	53	07.4	28.91	63	07.4		M4	2016	P -78 411
79		9.3	2 53.835	-0.0010	25	-74 45 22.40	-0.007	36	1.76	53.891	53	96.3	22.05	63	96.3		M4	2007	P -74 557
80		6.9T	2 56.227	-0.0094	13	-70 24 25.75	-0.024	12	0.66	56.686	19	01.1	24.49	18	97.5	F0	GC	12555	P -70 858
81		9.3	4 0.797	-0.0060	25	-74 57 11.63	0.080	36	1.59	1.065	53	02.2	15.48	63	02.2		M4	2015	P -74 559
82		4.5T	5 1.948	0.0025	05	-72 24 5.11	-0.009	04	0.24	1.835	09	05.3	4.69	07	00.4	F5	GC	12595	P*-72 779
83		4.9T	5 14.516	-0.0007	09	-70 20 13.97	-0.009	06	0.32	14.542	12	12.3	13.59	12	07.0	B3P	GC	12602	P*-70 861
84		8.8	6 26.089	-0.0084	25	-79 32 26.17	-0.039	36	1.49	26.470	45	04.5	24.37	53	04.6		M4	2029	P -79 381
85		8.0	6 38.614	0.0075	25	-70 46 5.59	-0.071	36	1.64	38.243	53	00.3	2.08	63	00.3		M4	2023	P -70 863
86		8.0T	6 45.116	0.0027	12	-74 33 5.52	0.025	11	0.62	44.981	18	99.3	6.85	17	97.6	A0	GC	12640K	P*-74 563
87		7.9T	6 47.482	-0.0044	11	-76 21 51.24	0.018	11	0.65	47.732	14	92.8	52.27	12	91.5	B9	GC	12644	P -76 568
88		8.2	8 11.563	-0.0034	25	-76 46 33.01	-0.009	36	1.76	11.744	53	96.3	32.54	63	96.3		M4	2033	P -76 571
89		8.2	8 52.418	0.0055	25	-70 54 35.58	-0.087	36	1.79	52.118	53	95.2	30.84	63	95.2		M4	2031	P -70 864
90		8.9	9 40.097	-0.0060	25	-78 7 20.13	0.003	36	1.56	40.378	53	03.3	20.29	63	03.3		M4	2041	P -77 485
91		8.5	10 8.246	-0.0015	33	-71 58 57.83	-0.106	43	2.30	8.332	63	92.2	51.73	57	92.2		M3	1164	
92		9.0	10 57.246	-0.0033	25	-77 18 34.21	0.002	36	1.73	57.424	45	96.2	34.34	53	96.2		M4	2044	P -77 487
93		8.0T	12 11.038	-0.0091	12	-79 9 8.86	0.011	11	0.64	11.483	21	00.8	9.47	19	96.1	A0	GC	12750	P -78 424
94		6.3T	12 45.477	0.0236	12	-76 27 17.44	-0.026	09	0.61	44.297	21	00.1	15.93	18	92.8	K0	GC	12766	P -76 574
95		8.5	12 50.807	-0.0092	25	-73 47 23.93	-0.008	36	1.70	51.283	53	98.3	23.50	63	98.3		M4	2051	P -73 575
96		7.9T	13 55.245	0.0061	12	-75 22 54.21	0.005	12	0.66	54.930	21	98.7	54.48	19	96.5	A0	GC	12791	P -75 570
97		9.6T	15 53.952	0.0043	17	-78 35 31.22	0.032	12	0.74	53.755	24	04.8	32.89	21	98.1	K2	GC	12835	P -78 428
98		8.5	17 15.027	-0.0064	25	-72 49 30.33	0.006	36	1.48	15.309	53	06.2	30.57	63	06.2		M4	2063	P -72 799
99		5.5T	17 31.924	-0.0026	08	-74 41 0.13	0.027	07	0.39	32.043	12	04.5	1.50	14	00.0	A0	GC	12869K	P*-74 579
00		6.0T	17 32.518	-0.0091	10	-74 31 25.59	0.030	07	0.49	32.974	18	00.0	27.31	17	93.4	A0	GC	12870	P -74 580

256600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 9H DM NUMBER
1		9.0	9 17 38.808	-0.0074	25	-73 37 26.50	0.024	36	1.62	39.170	53	01.3	27.68	63	01.3		M4	2066	P -73 584
2		8.3	18 49.709	0.0160	25	-78 12 59.37	-0.050	36	1.53	48.977	53	04.2	57.10	63	04.2		M4	2074	P -77 502
3		7.9T	18 53.154	0.0018	13	-73 6 32.91	-0.013	12	0.68	53.067	22	01.0	32.20	21	97.2	A0	GC	12908	P -72 802
4		8.0	19 21.453	0.0095	25	-70 47 49.65	-0.121	36	1.79	20.935	53	95.3	43.05	63	95.3		M4	2069	P -70 878
5		8.7	19 27.043	0.0049	25	-78 55 21.78	-0.001	36	1.56	26.813	53	03.2	21.75	63	03.2		M4	2075	P -78 438
6		8.3T	20 7.046	-0.0354	13	-77 25 50.93	0.098	12	0.67	8.817	21	99.9	56.18	19	96.7	G5	GC	12927K	P*-77 503
7		7.9T	20 9.860	-0.0015	13	-73 23 29.68	0.002	12	0.68	9.935	21	00.5	29.81	19	95.4	A0	GC	12929	P -73 592
8		7.5T	20 38.844	0.0043	12	-75 29 59.83	0.009	11	0.64	38.633	21	00.9	+ 0.28	19	97.3	B9	GC	12944	P -75 575
9		8.5	20 59.779	-0.0154	25	-75 5 4.50	-0.027	36	1.47	+ 0.454	53	06.3	3.33	63	06.3		M4	2080	P -74 583
10		9.0	21 24.469	0.0025	25	-71 6 33.96	0.014	36	1.79	24.333	53	95.2	34.75	63	95.2		M4	2079	P -70 885
11		8.0	22 56.979	-0.0055	13	-71 35 35.45	0.024	36	1.44	57.215	53	07.4	36.49	63	07.4		M4	2084	P -71 822
12		7.9T	24 2.091	-0.0040	13	-70 11 35.63	0.013	12	0.69	2.291	21	99.9	36.34	19	96.5	B9	GC	13017K	P*-69 1057
13		8.5	24 4.072	0.0005	25	-71 32 25.85	0.018	36	1.77	4.047	53	95.3	26.85	53	95.3		M4	2091	P -71 825
14		7.1T	24 9.678	-0.0796	13	-77 40 44.13	0.371	12	0.69	13.611	22	00.6	+ 3.89	21	96.8	G0	GC	13019	P -77 507
15		9.1	24 39.599	0.0060	25	-78 11 12.55	-0.028	36	1.86	39.266	63	94.2	11.00	75	94.2		M4	2099	P -77 509
16		9.0T	24 42.415	-0.0024	16	-70 11 42.81	-0.012	15	0.75	42.525	24	03.8	42.26	21	03.7	A3	GC	13036	P -69 1059
17		7.6T	24 54.767	-0.0063	12	-76 30 33.43	0.093	09	0.59	55.075	19	00.8	38.83	17	92.2	K0	GC	13042	P -76 584
18		7.7T	25 30.595	-0.0094	12	-77 2 6.92	0.024	11	0.63	31.068	22	99.8	8.21	18	97.2	K5	GC	13054	P -76 585
19		8.0T	25 41.215	-0.0017	11	-75 33 20.32	-0.002	11	0.61	41.305	17	96.6	20.19	15	94.6	G5	GC	13058	P -75 582
20		7.8T	25 41.442	-0.0109	12	-78 51 27.47	0.023	11	0.64	41.976	21	01.2	28.70	19	97.3	B9	GC	13059	P -78 446
21		9.2	26 6.029	-0.0060	25	-74 48 19.64	0.012	36	1.56	6.311	53	03.3	20.23	63	03.3		M4	2104	P -74 592
22		8.2	26 16.300	-0.0024	25	-73 31 52.72	-0.034	36	1.46	16.410	36	04.6	51.20	45	04.6		M4	2103	P -73 601
23		5.5T	26 37.445	-0.0204	08	-71 23 4.41	0.070	06	0.30	38.234	10	11.3	7.46	12	06.7	K0	GC	13082	P*-71 833
24		8.4T	27 12.386	-0.0013	13	-73 16 37.13	0.002	11	0.65	12.449	21	02.1	37.26	19	96.8	A3	GC	13093K	P*-72 823
25		6.6T	27 20.696	-0.0153	11	-71 33 45.36	0.036	09	0.61	21.547	17	94.3	47.54	15	90.0	F2	GC	13095	P -71 835
26		8.6	28 20.395	-0.0034	25	-72 44 18.23	-0.053	36	1.67	20.570	53	99.3	15.52	63	99.3		M4	2112	P -72 826
27		8.7	28 58.081	0.0110	33	-78 2 15.77	-0.043	43	2.31	57.449	75	92.3	13.31	57	92.3		M3	1213	
28		8.5T	29 37.829	-0.0068	13	-73 25 42.05	0.022	11	0.65	38.160	19	01.4	43.19	19	97.0	A0	GC	13158K	P*-73 608
29		9.9T	30 13.559	-0.0132	26	-78 19 37.70	0.031	14	0.96	14.131	24	06.6	39.23	22	00.8	K0	GC	13179	P -77 522
30			30 21.340	0.0001	25	-71 32 53.13	-0.021	36	1.68	21.333	53	99.3	52.09	63	99.3		M4	2120V	P*-71 844
31		7.1T	31 5.134	0.0011	12	-70 14 51.55	0.006	11	0.64	5.076	22	98.6	51.85	19	95.1	B8	GC	13197	P*-69 1079
32		8.6	31 8.897	-0.0081	25	-77 22 48.70	-0.052	36	1.44	9.241	53	07.4	46.49	63	07.4		M4	2125	P -77 523
33		7.9T	31 9.506	-0.0025	11	-73 31 31.93	0.035	11	0.65	9.647	15	93.7	33.98	14	91.8	F0	GC	13202K	P*-73 611
34		5.5H	31 14.673	-0.0043	03	-72 51 32.55	-0.007	03	0.12	14.815	06	17.1	32.31	06	16.9	K2	F4	362	P -72 835
35		8.6	31 16.810	-0.0083	25	-79 44 21.19	-0.012	36	1.56	17.206	45	02.3	20.63	53	02.3		M4	2128	P -79 420
36		8.3	32 36.520	-0.0043	25	-71 54 59.56	-0.016	36	1.79	36.757	53	95.2	58.67	63	95.2		M4	2127	P -71 850
37		9.1	33 30.931	0.0077	25	-78 39 5.67	-0.038	36	1.39	30.616	53	09.2	4.13	63	09.2		M4	2134	P -78 455
38		8.5	33 37.310	-0.0013	25	-70 42 30.67	-0.020	36	1.64	37.376	53	00.3	29.66	63	00.3		M4	2129	P -70 918
39		8.9	33 53.137	0.0074	25	-75 57 36.48	-0.052	36	1.61	52.776	53	01.3	36.40	63	01.3		M4	2133	P -75 594
40		8.0	34 56.883	-0.0054	25	-75 26 48.26	-0.022	36	1.44	57.114	53	07.4	47.32	63	07.4		M4	2135	P -75 596
41		8.7	35 46.041	-0.0145	25	-79 38 54.52	-0.060	36	1.46	46.670	53	06.6	51.93	63	06.6		M4	2140	P -79 429
42		9.3	36 22.141	-0.0133	33	-72 12 48.86	0.023	43	2.31	22.911	75	92.2	50.17	57	92.2		M3	1225	
43		8.4	36 54.174	-0.0069	25	-78 7 14.81	-0.021	36	1.56	54.496	53	03.4	13.84	63	03.4		M4	2143	P -77 534
44		8.8	38 19.922	-0.0053	25	-72 28 23.93	0.008	36	1.76	20.209	53	96.3	24.35	63	96.3		M4	2145	P -72 849
45		9.1	40 16.342	-0.0103	25	-70 25 4.72	0.022	36	1.79	16.903	53	95.3	5.89	63	95.3		M4	2149	P -70 931
46		8.5	41 19.141	0.0077	25	-73 25 15.91	-0.027	36	1.44	18.813	53	07.2	14.75	63	07.2		M4	2152	P -72 857
47		6.9T	42 2.429	-0.0039	10	-71 57 41.37	-0.011	09	0.57	2.645	19	94.8	40.70	18	90.3	B9	GC	13427	P -71 866
48		8.8	42 29.547	-0.0106	25	-75 41 49.74	-0.047	36	1.44	29.993	53	07.4	47.72	63	07.4		M4	2155	P -75 610
49		8.3	43 22.144	-0.0031	25	-74 18 26.18	-0.018	36	1.91	22.312	89	96.3	25.22	*	96.3		M4	2159	P -73 639
50		8.1T	43 55.002	0.0016	12	-76 32 11.55	0.015	11	0.62	49.975	18	01.5	12.32	17	99.1	B9	GC	13460	P -76 597
51		7.5T	9 43 50.297	-0.0040	13	-79 21 41.06	0.062	12	0.68	50.495	21	00.1	44.38	19	96.4	K0	GC	13461	P -79 448
52		8.1	43 59.290	-0.0023	25	-70 30 38.18	-0.001	36	1.40	59.386	53	09.0	38.13	63	09.0		M4	2162	P -70 938
53		8.1	44 5.852	-0.0043	25	-73 40 10.09	0.008	36	1.59	6.059	53	02.2	10.46	63	02.2		M4	2165	P -73 643
54		8.4	44 8.922	-0.0063	25	-72 52 35.80	-0.044	36	1.68	9.243	53	99.2	33.57	63	99.2		M4	2164	P -72 863
55		8.4	44 26.123	-0.0011	25	-74 37 7.38	-0.030	36	1.56	26.177	45	02.3	5.95	53	02.3		M4	2167	P -74 634
56		7.7	45 16.647	-0.0104	25	-71 33 19.39	-0.013	36	1.64	17.162	53	00.3	18.74	63	00.3		M4	2169	P -71 872
57		8.0T	45 35.549	-0.0019	13	-73 53 0.45	0.003	12	0.68	35.645	22	00.2	0.62	21	97.1	A2	GC	13502	P -73 645
58		5.4T	46 21.206	0.0297	08	-76 32 34.41	-0.051	06	0.27	20.079	09	12.0	32.37	09	09.9	K0	GC	13514	P*-76 598
59		8.8	47 54.557	-0.0053	25	-70 32 23.90	0.002	36	1.65	54.825	53	99.7	23.99	53	99.6		M4	2175	P -70 945
60		6.9T	48 11.552	-0.0367	10	-75 32 43.25	0.106	09	0.56	13.539	21	95.8	49.51	18	91.2	F5	GC	13550	P -75 621
61		8.8	48 28.395	-0.0033	25	-73 39 53.06	-0.017	36	1.59	28.554	53	02.2	52.24	63	02.2		M4	2180	P -73 656
62		8.7	48 42.229	-0.0227	25	-78 32 54.00	0.000	36	1.76	41.009	53	96.3	54.01	63	96.3		M4	2184	P -78 469
63		8.4	49 10.762	-0.0011	25	-76 46 47.10	-0.008	36	1.44	10.808	53	07.4	46.77	63	07.4		M4	2185	P -76 600
64		7.8T	49 27.785	-0.0007	12	-78 2 51.01	0.020	12	0.66	27.818	22	00.3	52.08	21	97.0	B8	GC	13576	P -77 556
65		7.0T	51 40.731	0.0002	14	-71 42 27.08	0.002	12	0.69	40.723	22	01.7	27.17	21	97.7	B8	GC	13621	P -71 882
66		6.5T	51 47.733	-0.0052	07	-79 49 31.54	0.016	06	0.26	47.935	09	11.4	32.18	09	10.3	A0	GC	13624	P -79 457
67		7.2T	51 58.884	0.0202	12	-71 13 4.11	-0.029	11	0.66	57.862	21	99.4	2.51	19	95.0	K2	GC	13628	P -70 949
68		7.9	53 29.938	-0.0045	25	-75 8 39.51	-0.064	36	1.76	30.180	53	96.3	36.07	63	96.3		M4	2198	P -74 649
69		9.1	53 52.760	0.0047	25	-73 38 17.81	0.005	36	1.76	52.510	53	96.3	18.07	63	96.3		M4	2199	P -73 665
70		8.6	53 59.063	-0.0159	25	-78 26 59.17	-0.032	36	1.56	59.806	53	03.3	57.68	63	03.3		M4	2203	P -78 485
71		8.5	54 51.427	-0.0043	25	-70 52 41.40	-0.068	36	1.79	51.663	53	95.4	37.68	63	95.4		M4	2202	P -70 952
72		6.4T	55 17.941	-0.0028	11	-71 9 2.93	-0.004	11	0.63	18.091	21	96.5	2.70	19	94.9	B0	GC	13716	P*-70 953
73		8.0	57 22.240	-0.0013	25	-71 49 33.68	-0.055	36	1.79	22.313	53	95.2	30.65	63	95.2		M4	2210	P -71 895
74		7.9T	58 20.377	-0.0097	13	-72 32 57.83	0.033	12	0.68	20.865	21	99.7	59.59	19	96.7	F5	GC	13767	P -72 887
75		8.7	58 59.468	0.0012	25	-76 31 3.06	-0.026	36	1.76	59.404	53	96.3	1.68	63	96.3		M4	2214	P -76 609
76		7.2T	10 0 19.557	0.0029	13	-70 29 11.64	0.023	12	0.69	19.410	21	99.9	12.87	19	95.4	F2	GC	13806K	P*-70 957
77		9.0	0 24.823	0.0184	33	-76 28 27.28	0.011	43	2.31	23.758	75	92.2	27.94	57	92.2		M3	1282	
78		7.9	4 12.233	-0.0123	25	-71 49 51.53	-0.019	36	1.65	12.849	53	00.0	50.56	63	00.0		M4	2222	P -71 905
79		8.6	4 15.770	-0.0026	25	-79 53 16.80	-0.054	36	1.60	15.642	53	01.7	14.20	63	01.7		M4	2228	P -79 475
80		9.0	4 58.843	-0.0013	25	-72 44 48.88	0.022	36	1.73	58.912	53	97.3	50.04	63	97.3		M4	2224	P -72 896
81		7.5T	5 25.672	-0.0245	12	-78 49 7.06	0.071	11	0.62	26.881	19	00.6	10.87	19	96.3	A2	GC	13918	P -78 509
82		9.1	5 41.819	-0.0253	25	-73 43 25.68	-0.014	36	1.61	43.053	53	01.3	24.99	63	01.3		M4	2231	P -73 682
83		6.5T	6 0.662	-0.0089	11	-71 13 58.16	-0.035	11	0.61	1.109	21	99.8	56.31	19	97.4	F8	GC	13931	P -71 966
84		8.8T	6 31.168	-0.0090	14	-74 35 20.43	0.015	14	0.70	31.591	21	02.4	21.14	21	02.9	F0	GC	13940	P -74 665
85		8.9	6 55.192	-0.0091	25	-74 35 8.14	0.010	36	1.53	55.610	53	04.2	8.60	63	04.2		M4	2239	P -74 667
86		9.0	7 6.110	0.0049	25	-77 17 58.86	-0.087	36	1.76	5.845	53	96.3	54.20	63	96.3		M4	2241	P -76 614
87		9.0	8 42.318	-0.0313	25	-71 45 52.14	-0.041	36	1.62	43.853	53	01.0	50.12	63	01.0		M4	2248	P -71 923
88		8.7	9 30.450	0.0067	25	-78 31 47.00	0.027	36	1.41	30.159	36	06.8	48.18	53	06.7		M4	2254	P -78 519
89		7.9T	11 56.120	0.0099	13	-75 49 43.81	0.003	11	0.65	55.651	21	02.4	44.00	19	96.8	F0	GC	14063	P -75 640
90		8.2	12 16.555	-0.0013	25	-70 48 31.52	-0.025	36	1.79	16.627	53	95.3	30.14	63	95.3		M4	2258	P -70 1000
91		7.7	12 26.023	-0.0133	25	-71 25 14.27	-0.006	36	1.81	26.766	45	94.2	13.93	63	94.2		M4	2261	P -71 949
92		8.5	12 38.811	-0.0223	33	-73 5 11.60	-0.026	43	2.32	40.102	75	92.2	10.09	57	92.2		M3	1310	
93		8.5	13 19.858	0.0029	25	-79 6 39.61	-0.028	36	1.43	19.736	53	07.7	38.43	63	07.7		M4	2267	P -78 527
94		7.6T	13 55.436	-0.0032	13	-78 45 16.73	0.013	11	0.66	55.598	22	00.2	17.43	19	96.4	B5	GC	14109	P -78 529
95		8.4	14 58.680	-0.0041	25	-76 50 18.82	-0.018	36	1.47	58.858	53	06.4	18.04	63	06.4		M4	2273	P -76 619
96		9.0	15 37.578	-0.0104	25	-77 37 1.59	-0.128	36	1.59	38.097	36	00.3	-55.24	45	00.3		M4	2276	P -77 602
97		8.9	16 0.975	-0.0063	25	-70 57 23.12	-0.034	36	1.64	1.289	53	00.3	21.43	63	00.3		M4	2274	P -70 1022
98		8.8	16 54.875	0.0007	25	-73 38 50.61	-0.020	36	1.58	54.843	53	02.4	49.64	63	02.4		M4	2280	P -73 714
99		9.0	17 20.584	-0.0095	33	-75 33 18.74	0.034	43	2.28	21.121	75	93.3	20.64	57	93.3		M3	1324	
00		8.0	18 1.907	-0.0051	25	-73 47 16.13	0.003	36	1.39	2.116	53	09.2	16.26	63	09.2		M4	2282	P -73 716

256700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 10H DM NUMBER
1		7.9	10 19 20.920	0.0057	25	-71 52 43.52	-0.002	36	1.79	20.610	53	95.3	43.40	63	95.3		M4	2287	P -71 976
2		8.6T	19 28.689	-0.0085	12	-70 53 45.62	0.015	11	0.62	29.129	21	98.2	46.42	19	96.4	A0	GC	14236	P -70 1044
3		9.2	21 14.590	0.0067	25	-70 16 34.31	-0.031	36	1.67	14.250	53	99.3	32.71	63	99.3		M4	2289	P -69 1229
4		8.9	21 22.929	0.0006	25	-75 31 23.25	0.038	36	1.68	22.902	53	99.3	25.16	63	99.3		M4	2294	P -75 651
5		9.2	21 35.417	0.0027	25	-72 47 8.51	0.035	36	1.73	35.276	53	97.3	10.35	63	97.3		M4	2292	P -72 943
6		9.1	22 0.747	-0.0171	25	-76 48 37.31	0.018	36	1.56	1.543	53	03.3	38.16	63	03.3		M4	2300	P -76 627
7		9.1	22 3.202	-0.0130	25	-74 46 24.09	-0.063	36	1.76	3.901	53	96.3	20.71	63	96.3		M4	2296	P -74 699
8		8.2	22 36.231	-0.0103	25	-71 27 43.28	-0.017	36	1.67	36.754	53	99.4	42.41	63	99.4		M4	2299	P -71 999
9		9.2	22 51.668	-0.0142	33	-79 23 33.48	0.009	43	2.31	52.485	75	92.3	34.00	57	92.3		M3	1337	
10		4.1H	23 24.484	-0.0044	02	-73 46 36.88	-0.031	02	0.10	24.657	05	10.4	35.70	05	12.4	F5	F4	391	P -73 733
11		6.3T	23 44.644	-0.0062	10	-73 43 2.25	0.013	08	0.55	44.982	21	95.5	3.05	18	88.9	A2	GC	14328	P -73 735
12		8.1	24 43.994	0.0037	33	-72 18 14.84	-0.025	43	2.31	43.783	75	92.2	13.38	57	92.2		M3	1338	
13		8.2T	25 25.903	-0.0091	12	-78 20 33.56	0.009	11	0.64	26.372	21	98.4	34.07	19	93.8	A5	GC	14370	P -77 611
14		6.7T	25 42.976	-0.0094	14	-72 34 46.04	0.005	12	0.71	43.451	21	99.5	46.31	19	95.1	M0	GC	14379	P -72 959
15		7.8	25 46.065	-0.0210	25	-74 53 40.17	0.021	36	1.47	46.984	53	06.3	41.09	63	06.3		M4	2312	P -74 702
16		8.7	26 15.292	0.0021	25	-78 28 50.73	-0.021	36	1.58	15.193	53	02.4	49.74	63	02.4		M4	2317	P -78 550
17			27 41.924	-0.0104	25	-71 32 31.14	-0.010	36	1.79	42.491	53	95.3	30.58	63	95.3		M4	2318V	P*-71 1027
18		9.5T	27 42.652	-0.0004	13	-79 29 43.37	0.032	16	0.73	42.672	22	01.4	44.89	22	02.6	K0	GC	14429	P -79 509
19		9.1	28 26.785	-0.0133	25	-71 0 45.56	-0.049	36	1.63	27.447	45	00.3	43.12	63	00.3		M4	2320	P -70 1106
20		7.1T	28 48.253	-0.0043	12	-70 37 54.00	0.015	11	0.64	48.464	21	01.0	54.79	18	96.8	M8	GC	14448	P -70 1108
21		9.4	28 49.175	0.0059	33	-74 14 4.27	0.087	43	2.31	48.836	75	92.2	9.31	57	92.2		M3	1350	
22		4.9T	29 4.382	0.0043	07	-71 44 6.98	-0.034	06	0.30	4.211	10	10.1	5.46	12	05.5	A2	GC	14457	P*-71 1034
23		4.9T	29 52.202	-0.0027	08	-72 57 51.18	-0.005	06	0.30	52.306	12	10.7	50.96	12	06.1	K5	GC	14480K	P -72 981
24		9.2T	29 55.445	-0.0217	13	-79 30 40.45	0.017	16	0.73	56.509	21	01.1	41.26	21	02.7	F5	GC	14481	P -79 517
25		8.5	30 32.806	-0.0432	25	-77 54 32.88	0.122	36	1.53	34.778	53	04.3	38.45	63	04.3		M4	2329	P -77 614
26		8.7	30 39.666	0.0045	33	-71 51 10.15	0.005	43	2.28	39.409	75	93.2	10.44	57	93.2		M3	1354	
27		9.2	30 41.802	-0.0152	25	-74 58 42.10	-0.031	36	1.57	42.520	53	02.7	40.65	63	02.7		M4	2328	P -74 711
28		8.1T	32 9.898	0.0011	13	-75 46 47.79	-0.022	11	0.67	9.842	22	01.0	46.60	19	95.5	K0	GC	14532	P -75 671
29		8.9	32 55.817	-0.0189	25	-70 54 24.16	-0.002	36	1.64	56.757	53	00.3	24.04	63	00.3		M4	2336	P -70 1138
30		6.2T	34 29.724	-0.0060	06	-76 2 58.34	0.010	05	0.25	29.969	09	08.9	58.79	09	06.0	K0	GC	14595	P -75 678
31		4.1H	34 53.647	-0.0130	03	-78 20 53.72	0.016	03	0.11	54.099	05	15.2	54.27	05	15.7	M0	F4	401	P -77 622
32		7.4T	34 55.468	-0.0158	13	-75 32 0.40	0.060	11	0.64	56.244	22	01.0	3.01	18	98.0	K0	GC	14606	P -75 679
33		6.7	35 40.066	-0.0079	25	-71 25 55.59	-0.004	36	1.82	40.509	53	94.2	55.35	63	94.2		M4	2349	P -71 1075
34		8.9	35 44.329	0.0111	25	-78 31 31.99	-0.038	36	1.51	43.816	45	03.9	30.24	53	03.9		M4	2352	P -78 564
35		8.9	36 11.679	-0.0119	25	-77 37 31.30	0.019	36	1.56	12.235	53	03.3	32.18	63	03.3		M4	2353	P -77 625
36		8.9	36 26.904	-0.0000	33	-73 19 14.73	-0.039	43	2.31	26.905	75	92.2	12.47	57	92.2		M3	1366	
37		9.0	36 31.697	0.0010	33	-73 19 14.12	0.059	43	2.30	31.641	63	92.2	17.51	57	92.2		M3	1367	
38		7.9T	37 2.236	-0.0006	13	-70 2 57.88	-0.011	12	0.67	2.269	22	00.1	57.31	21	96.7	B8	GC	14652	P -69 1323
39		6.9T	37 55.597	-0.0066	10	-74 53 47.01	0.008	08	0.52	55.936	19	98.4	47.46	18	91.9	A2	GC	14676	P -74 721
40		8.1T	37 57.256	-0.0197	12	-79 14 56.98	0.045	12	0.66	58.233	22	00.3	59.35	21	97.0	A5	GC	14677	P -78 570
41		8.1	37 57.256	0.0030	33	-73 17 55.67	0.009	43	2.31	57.084	75	92.2	56.18	57	92.2		M3	1370	
42		6.0T	38 5.861	0.0014	11	-74 13 56.67	-0.010	08	0.57	5.785	18	93.9	56.09	17	91.8	K5	GC	14679	P -73 758
43		8.7	38 29.765	0.0010	25	-72 55 45.78	-0.038	36	1.44	29.722	53	07.4	44.15	63	07.4		M4	2356	P -72 1006
44		8.3	39 43.831	-0.0010	25	-73 45 32.41	-0.035	36	1.48	43.880	36	03.9	30.78	45	03.9		M4	2363	P -73 760
45		6.2T	41 20.958	-0.0100	12	-79 31 15.70	0.009	08	0.60	21.470	22	98.8	16.25	19	89.9	B5	GC	14758	P*-79 548
46		8.5	41 27.852	-0.0109	25	-71 29 11.19	0.012	36	1.63	28.391	53	00.7	11.77	63	00.7		M4	2368	P -71 1106
47		6.9T	41 27.930	0.0003	12	-75 12 4.26	0.008	11	0.66	27.913	19	98.0	4.69	17	95.0	B9	GC	14759	P -74 727
48		8.1	41 40.147	-0.0125	25	-71 56 2.17	0.020	36	1.79	40.801	53	95.3	3.24	63	95.3		M4	2369	P -71 1109
49		8.7	42 32.202	0.0030	25	-72 27 12.26	0.059	36	1.60	32.055	45	01.3	15.09	63	01.7		M4	2372	P -72 1024
50		6.3T	42 48.991	-0.0138	12	-70 35 47.92	-0.012	11	0.64	49.707	19	98.1	47.25	18	96.1	A3	GC	14792K	P -70 1183
51		6.5T	10 43 1.380	-0.0108	12	-70 35 31.09	0.002	11	0.65	1.936	19	98.5	31.18	19	95.7	A3	GC	14796K	P -70 1185
52		6.3T	43 3.210	-0.0369	12	-72 10 52.40	0.034	11	0.64	5.109	21	98.5	54.20	19	96.4	F8	GC	14797	P -71 1118
53		8.8	44 3.646	-0.0075	25	-76 59 0.15	-0.027	36	1.73	4.039	53	97.4	-58.72	63	97.4		M4	2379	P -76 638
54		7.7T	44 18.476	0.0006	12	-74 44 37.94	-0.007	11	0.63	18.444	21	01.0	37.57	19	97.8	A0	GC	14826	P -74 732
55		8.7	44 18.690	-0.0029	25	-70 9 57.41	-0.046	36	1.67	18.835	53	99.4	55.10	63	99.4		M4	2378	P -69 1372
56		8.9	45 40.012	-0.0009	25	-74 10 21.66	0.041	36	1.55	40.053	45	02.4	23.61	53	02.4		M4	2385	P -73 768
57		8.9	45 40.253	-0.0015	33	-77 20 12.57	0.002	43	2.31	40.340	75	92.3	12.68	57	92.3		M3	1391	
58		8.5T	47 59.409	-0.0055	12	-75 58 20.21	0.005	11	0.63	59.685	19	99.5	20.48	19	97.1	A0	GC	14908	P -75 690
59		8.3	48 10.156	-0.0109	25	-71 23 21.08	0.008	36	1.47	10.634	53	06.3	21.42	63	06.3		M4	2391	P -70 1223
60		8.8	48 11.216	-0.0171	25	-79 53 54.62	-0.014	36	1.73	12.120	53	97.2	53.88	63	97.2		M4	2394	P -79 563
61		8.8	48 39.183	-0.0239	25	-70 54 57.25	0.013	36	1.67	40.394	53	99.4	57.89	63	99.4		M4	2393	P -70 1226
62		9.5	49 36.666	0.0001	25	-77 42 13.71	-0.049	36	1.76	36.662	53	96.3	11.07	63	96.3		M4	2395	P -77 646
63		8.1T	49 49.165	-0.0036	16	-76 51 31.05	0.020	12	0.73	49.342	21	01.4	32.11	19	96.7	B9	GC	14946	P -76 643
64		9.0	50 3.258	0.0011	33	-74 20 0.20	0.031	43	2.31	3.193	75	92.3	1.99	57	92.3		M3	1401	
65		6.8T	50 14.806	-0.0066	10	-75 37 0.68	0.004	09	0.55	15.168	19	95.5	0.92	19	92.1	B9	GC	14956	P -75 695
66		8.3	50 29.244	0.0010	25	-72 52 43.89	-0.015	36	1.47	29.200	53	06.4	43.23	63	06.4		M4	2399	P -72 1052
67		9.5	51 0.301	-0.0193	25	-79 41 51.80	0.011	36	1.61	1.239	53	01.4	52.34	63	01.4		M4	2403	P -79 570
68		6.1T	51 39.179	-0.0129	09	-79 17 35.42	0.001	07	0.52	39.928	19	91.8	35.47	17	86.0	K2	GC	14988	P -78 589
69		9.2	51 41.815	-0.0040	33	-72 17 53.05	-0.064	43	2.31	42.045	75	92.2	49.33	57	92.2		M3	1405	
70		6.1T	52 3.350	-0.0055	10	-70 27 13.33	-0.011	07	0.53	3.644	21	96.3	12.66	18	86.5	B8	GC	15002K	P*-70 1246
71		7.4	52 25.356	-0.0080	25	-71 53 20.22	-0.019	36	1.72	25.782	45	96.6	19.18	53	96.6		M4	2406	P -71 1163
72		9.1	52 45.156	-0.0027	25	-78 46 52.89	-0.005	36	1.56	45.281	53	03.2	52.64	63	03.2		M4	2410	P -78 591
73		8.0	53 57.690	-0.0138	25	-74 55 27.80	-0.101	36	1.47	58.298	53	06.3	23.38	63	06.3		M4	2413	P -74 751
74		8.7	55 41.701	-0.0029	25	-70 29 54.08	-0.017	36	1.64	41.844	53	00.3	53.25	63	00.3		M4	2416	P -70 1262
75		6.0T	55 50.170	-0.0043	10	-74 49 55.07	0.001	10	0.57	50.401	18	95.9	55.12	17	93.8	K2	GC	15072	P -74 755
76		8.1	56 6.469	0.0001	25	-70 50 26.24	-0.067	36	1.44	6.466	53	07.4	23.36	63	07.4		M4	2418	P -70 1264
77		8.9	56 38.004	0.0063	25	-75 20 0.65	-0.034	36	1.73	37.672	53	97.4	-58.84	63	97.4		M4	2423	P -74 757
78		8.8	56 46.419	0.0060	25	-73 8 6.93	-0.007	36	1.46	46.160	53	06.7	6.62	63	06.7		M4	2421	P -72 1078
79		8.8	57 47.746	-0.0344	25	-76 49 51.34	0.026	36	1.50	49.285	53	05.3	52.49	63	05.3		M4	2424	P -76 647
80		8.6	58 32.851	-0.0080	25	-71 40 30.94	0.041	36	1.53	33.216	53	04.4	32.80	63	04.4		M4	2427	P -71 1188
81		7.3T	11 0 2.393	-0.0007	14	-75 23 43.68	0.033	12	0.70	2.426	22	01.1	45.46	19	95.7	A2	GC	15174	P -74 763
82		9.0	0 4.955	-0.0035	25	-77 20 4.61	0.043	36	1.73	5.140	53	97.4	6.86	63	97.4		M4	2434	P -76 650
83		9.1	0 5.941	0.0181	33	-76 28 58.49	0.050	43	2.31	4.897	75	92.3	+ 1.39	53	92.3		M3	1419	
84		8.5T	0 14.360	-0.0021	14	-71 14 40.57	-0.033	14	0.73	14.461	24	02.3	38.94	22	01.1	B9	GC	15178	P -70 1280
85			0 20.331	-0.0139	25	-71 28 44.54	-0.081	36	1.64	21.044	36	98.8	40.38	45	98.8		M4	2433V	P*-71 1191
86		7.8	0 24.490	0.0080	33	-73 13 11.25	-0.051	43	2.31	24.029	75	92.2	8.29	57	92.2		M3	1420	
87		8.3	1 4.417	0.0022	25	-73 52 44.38	0.012	36	1.58	4.314	53	02.4	44.95	63	02.4		M4	2435	P -73 794
88		7.2T	1 13.365	-0.0021	14	-71 58 21.66	-0.006	12	0.68	13.463	24	02.4	21.23	22	99.3	B8	GC	15204	P -71 1193
89		8.3T	1 18.195	0.0044	16	-75 19 27.47	0.029	12	0.73	17.987	24	03.0	28.93	22	99.5	B9	GC	15205	P*-74 766
90		9.0T	1 24.077	-0.0025	17	-71 49 10.37	-0.009	13	0.74	24.187	22	05.3	9.91	21	01.2	K2	GC	15207	P -71 1194
91		7.8T	1 45.913	0.0312	15	-71 21 30.28	-0.097	13	0.74	44.386	21	01.0	25.17	19	97.5	F2	GC	15217	P -70 1290
92		7.9	2 28.472	-0.0048	25	-73 58 39.87	0.031	36	1.52	28.695	53	04.0	41.30	53	03.8		M4	2440	P -73 796
93		8.0	3 12.610	-0.0679	25	-78 35 56.86	0.061	36	1.76	16.251	53	96.4	+ 0.13	63	96.4		M4	2443	P -78 613
94		7.1T	3 16.143	-0.0186	12	-74 53 6.27	-0.031	11	0.65	17.075	21	99.8	4.61	19	96.6	A0	GC	15257	P -74 771
95		8.8	3 16.791	-0.0007	25	-78 53 26.57	-0.003	36	1.55	16.825	45	02.4	26.41	53	02.4		M4	2444	P -78 614
96		8.6	3 54.772	0.0011	25	-70 48 51.50	-0.020	36	1.76	54.713	45	95.4	50.39	53	95.4		M4	2445	P -70 1298
97		8.0	4 26.649	0.0050	25	-72 33 59.03	-0.086	36	1.44	26.437	53	07.4	55.38	63	07.4		M4	2448	P -72 1099
98		7.8T	4 27.904	-0.0064	13	-75 51 35.54	-0.006	12	0.67	28.220	18	00.3	35.23	17	97.2	B9	GC	15287	P -75 711
99		7.2T	4 59.228	-0.0023	13	-70 33 33.92	-0.018	11	0.66	59.340	22	01.1	32.96	18	97.6	F2	GC	15301	P -70 1304
00		5.8H	5 1.134	-0.0048	04	-70 36 25.89	-0.006	03	0.15	1.303	06	14.5	25.67	06	15.6	B3	F4	1288	P -70 1305

256800 — — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -70° 11H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.7	11 6 18.756	-0.0169	25	-79 29 11.21	-0.033	36	1.44	19.476	53	07.4	9.80	63	07.4		M4	2455	P -79 597
2		9.2	6 39.610	0.0165	25	-77 23 1.21	0.013	36	1.44	38.907	53	07.4	1.76	63	07.4		M4	2456	P -76 654
3		8.0	6 44.899	0.0090	25	-73 42 22.26	-0.059	36	1.70	44.437	53	98.3	19.19	63	98.3		M4	2454	P -73 806
4		8.5	7 52.216	0.0181	25	-77 31 25.36	-0.101	36	1.43	51.431	45	06.6	20.97	53	06.6		M4	2458	P -77 651
5		8.5	7 52.912	0.0051	25	-70 5 48.84	-0.055	36	1.64	52.657	53	00.4	46.13	63	00.4		M4	2457	P -69 1487
6		8.8	9 17.090	-0.0229	25	-75 50 17.91	0.055	36	1.59	18.179	53	02.3	20.54	63	02.3		M4	2463	P -75 715
7		8.1	9 36.979	0.0151	25	-74 11 29.45	-0.022	36	1.56	36.273	53	03.4	28.43	63	03.4		M4	2465	P -73 810
8		6.2T	9 38.308	-0.0027	12	-71 9 51.41	-0.002	11	0.63	38.443	19	00.5	51.29	19	96.9	K0	GC	15393	P -70 1336
9		7.1T	10 13.453	-0.0015	14	-70 56 43.25	-0.014	11	0.67	13.526	21	01.6	42.49	19	96.9	B9	GC	15410	P -70 1338
10		7.9	10 38.715	-0.0019	25	-71 28 36.58	0.002	36	1.54	38.805	53	04.0	36.66	63	04.0		M4	2469	P -71 1214
11		8.0	10 38.959	-0.0028	25	-73 56 16.60	-0.042	36	1.70	39.106	53	98.4	14.44	63	98.4		M4	2471	P -73 817
12		8.7	11 51.262	-0.0038	25	-79 6 23.58	-0.009	36	1.41	51.419	53	08.4	23.20	63	08.4		M4	2476	P -78 624
13		7.4T	12 8.530	-0.0003	13	-75 31 4.65	-0.009	11	0.66	8.546	21	01.7	4.18	19	96.9	A2	GC	15454	P -75 720
14		9.0	12 27.362	0.0216	25	-78 2 27.11	-0.035	36	1.44	26.442	53	07.4	25.61	63	07.4		M4	2478	P -77 654
15		9.1	12 41.598	0.0101	25	-70 52 29.51	-0.023	36	1.64	41.099	53	00.4	28.35	63	00.4		M4	2477	P -70 1347
16		7.8T	12 52.995	-0.0045	12	-70 5 15.92	-0.002	12	0.66	53.217	22	00.1	15.83	21	97.6	B8	GC	15471	P -69 1501
17		9.5	13 32.800	-0.0112	25	-76 45 48.23	0.075	36	1.39	33.255	53	09.3	51.28	63	09.3		M4	2480	P -76 656
18		7.7T	13 42.833	0.0023	12	-77 14 42.68	-0.000	11	0.64	42.716	21	99.0	42.67	18	95.3	B9	GC	15500	P -76 657
19		9.2	14 55.275	0.0043	25	-78 48 50.51	-0.014	36	1.44	55.091	53	07.4	49.90	63	07.4		M4	2486	P -78 629
20		8.7	15 36.081	-0.0080	33	-72 12 34.73	-0.046	43	2.31	36.542	75	92.2	32.06	57	92.2		M3	1451	
21		8.5	15 45.882	0.0051	25	-70 42 15.69	-0.034	36	1.53	45.651	53	04.4	14.11	63	04.4		M4	2489	P -70 1356
22		7.9T	16 50.412	0.0077	13	-73 55 0.05	-0.012	10	0.64	50.035	19	00.8	-59.41	18	96.9	F8	GC	15568	P -73 829
23		6.3T	17 6.141	0.0137	13	-79 23 40.96	-0.044	08	0.59	5.446	18	99.2	38.43	15	92.8	A3	GC	15572	P -78 638
24		7.1T	17 17.750	-0.0012	12	-75 33 4.10	-0.019	11	0.64	17.813	21	99.0	3.08	19	96.0	K5	GC	15577	P -75 722
25		8.5	17 27.123	-0.0060	25	-72 52 52.70	0.002	36	1.64	27.420	53	00.4	52.79	63	00.4		M4	2496	P -72 1120
26		6.3T	17 47.826	-0.0080	07	-74 52 6.45	-0.000	05	0.30	48.166	10	07.3	6.44	10	01.1	A0	GC	15584	P -74 801
27		6.6T	17 56.293	-0.0058	12	-72 41 4.00	-0.026	10	0.59	56.585	19	99.3	2.59	17	96.3	A0	GC	15588	P -72 1124
28		6.5T	18 6.817	-0.0069	12	-71 43 12.98	-0.011	11	0.62	7.157	19	00.3	12.38	19	97.5	B3	GC	15592	P -71 1238
29		8.2	19 19.311	-0.0079	25	-70 31 43.27	-0.036	36	1.47	19.657	53	06.4	41.72	63	06.4		M4	2506	P -70 1366
30		8.6	19 28.431	-0.0100	25	-71 30 45.10	-0.045	36	1.67	28.936	53	99.4	42.80	63	99.4		M4	2506	P -71 1242
31		8.2	19 59.309	-0.0180	25	-73 14 42.88	-0.039	36	1.79	+ 0.294	53	95.3	40.74	63	95.3		M4	2507	P -72 1126
32		6.4T	20 15.490	-0.0229	11	-77 20 1.80	-0.008	11	0.61	16.683	19	97.9	1.36	19	96.4	A2	GC	15628	P -76 662
33		9.0	21 16.414	0.0131	25	-76 26 35.22	0.029	36	1.56	15.804	53	03.4	36.58	63	03.4		M4	2513	P -76 664
34		5.7T	22 10.796	-0.0066	05	-71 58 54.25	-0.011	04	0.23	11.065	09	09.1	53.74	09	05.6	B3	GC	15667	P -71 1248
35		8.6	22 56.042	-0.0010	33	-71 32 9.77	-0.027	43	2.28	56.098	75	93.3	8.21	57	93.3		M3	1463	
36		9.0	23 8.896	-0.0047	25	-75 41 4.38	0.018	36	1.59	9.121	53	02.4	5.25	63	02.4		M4	2517	P -75 727
37		6.9T	23 13.942	-0.0203	07	-73 21 29.14	0.040	06	0.30	14.752	12	10.1	30.92	12	05.2	F2	GC	15687	P -72 1130
38		9.0	23 31.919	-0.0035	25	-77 25 32.83	-0.014	36	1.76	32.108	53	96.3	32.07	63	96.3		M4	2520	P -77 667
39		9.2	23 38.548	-0.0140	25	-73 42 41.96	-0.023	36	1.54	39.196	53	03.8	42.01	63	03.8		M4	2519	P -73 851
40		9.3	24 32.208	-0.0034	25	-77 50 31.73	-0.022	36	1.53	32.362	53	04.4	30.72	63	04.4		M4	2522	P -77 671
41		8.5	25 21.494	-0.0067	25	-75 39 34.16	-0.042	36	1.64	21.828	53	00.3	32.09	63	00.3		M4	2524	P -75 732
42		7.8T	25 30.765	-0.0110	11	-78 14 46.47	0.028	12	0.63	31.338	21	97.7	47.94	19	97.1	K0	GC	15734K	P -77 675
43		6.3T	26 14.796	-0.0078	09	-72 11 54.92	-0.026	09	0.53	15.219	18	95.7	53.45	17	94.4	B3	GC	15746	P -71 1253
44		7.6T	26 15.742	-0.0117	13	-70 50 32.37	-0.015	12	0.67	16.323	21	00.4	31.57	19	97.7	F2	GC	15748	P -70 1381
45		8.6	27 52.786	-0.0200	25	-73 6 0.49	-0.052	36	1.79	53.877	53	95.5	-57.64	63	95.5		M4	2529	P -72 1135
46		9.0	29 16.824	-0.0314	25	-76 47 57.72	-0.034	36	1.75	18.499	53	96.7	55.90	63	96.7		M4	2532	P -76 673
47		9.0	29 35.676	-0.0049	25	-70 39 43.99	-0.027	36	1.64	35.921	53	00.3	42.63	63	00.3		M4	2534	P -70 1390
48		9.0	29 36.242	-0.0040	25	-71 39 12.14	-0.063	36	1.79	36.459	53	95.4	8.68	63	95.4		M4	2535	P -71 1258
49		6.9T	29 43.482	0.0004	12	-73 37 35.26	-0.000	11	0.62	43.463	21	00.5	35.26	19	96.8	B9	GC	15828K	P -73 864
50		8.1	29 59.660	-0.0020	25	-71 42 27.76	-0.017	36	1.44	59.749	36	05.5	26.98	45	05.5		M4	2539	P -71 1260
51		8.8	11 30 16.424	-0.0057	25	-79 16 33.43	-0.013	36	1.53	16.685	53	04.4	32.84	63	04.4		M4	2541	P -78 663
52		7.9	31 54.340	-0.0124	25	-79 58 29.73	-0.052	36	1.44	54.870	53	07.5	27.51	63	07.5		M4	2548	P -79 637
53		6.5T	33 36.981	-0.0341	12	-72 33 58.16	-0.028	11	0.63	36.650	21	01.0	59.67	19	96.3	K0	GC	15904	P -72 1143
54		8.5	34 11.373	-0.0089	25	-70 43 11.26	-0.016	36	1.44	11.754	53	07.4	10.58	63	07.4		M4	2553	P -70 1397
55		9.4	34 42.864	-0.0031	33	-76 24 57.02	-0.040	43	2.30	43.044	63	92.2	54.70	57	92.2		M3	1488	
56		9.0	34 50.163	-0.0120	25	-73 45 43.19	-0.071	36	1.53	50.712	53	04.4	39.95	63	04.4		M4	2556	P -73 874
57		5.7H	35 10.915	-0.0354	03	-75 37 10.26	-0.001	03	0.12	12.073	06	17.3	10.23	96	16.9	F0	F4	438	P -75 744
58		8.5	35 51.227	-0.0110	25	-78 57 54.04	0.018	36	1.59	51.751	53	02.3	54.92	63	02.3		M4	2560	P -78 673
59		7.4T	36 24.677	0.0009	12	-72 5 28.84	-0.060	11	0.66	24.629	21	98.8	25.60	19	96.0	A2	GC	15987	P -71 1268
60		8.1	36 38.212	0.0031	25	-70 36 27.45	-0.063	36	1.65	38.059	53	00.1	24.30	63	00.1		M4	2564	P -70 1404
61		9.0	38 43.423	-0.0059	25	-74 45 35.10	-0.021	36	1.54	43.694	53	04.0	34.15	63	04.0		M4	2570	P -74 837
62		7.1T	39 22.722	-0.0002	12	-76 46 36.74	-0.011	11	0.62	22.731	19	99.5	36.18	19	97.2	F2	GC	16062	P -76 686
63		9.0	39 47.701	-0.0186	25	-77 52 26.24	0.004	36	1.61	48.606	53	01.4	26.46	63	01.4		M4	2575	P -77 720
64		6.5T	40 1.303	0.0110	06	-74 56 58.54	0.000	05	0.28	0.823	10	06.5	58.55	10	01.1	G0	GC	16076	P -74 839
65		6.3T	40 47.014	0.0481	12	-79 1 43.05	-0.010	08	0.58	44.535	19	98.4	42.48	18	90.3	K0	GC	16083	P -78 677
66		7.1T	40 50.323	-0.0080	13	-72 10 4.35	-0.007	12	0.68	50.721	21	00.2	3.98	19	97.1	B9	GC	16084	P -71 1274
67		8.2	42 30.761	-0.0070	25	-73 39 55.69	0.024	36	1.39	31.048	53	09.3	56.67	63	09.3		M4	2584	P -73 885
68		7.2T	42 34.533	-0.0020	12	-72 52 22.48	-0.002	11	0.62	34.631	19	00.9	22.39	19	98.3	K0	GC	16116	P -72 1157
69		8.5	43 1.959	-0.0099	25	-74 35 47.42	-0.037	36	1.57	2.444	36	00.9	45.61	45	00.9		M4	2587	P -74 843
70		8.5	43 8.749	-0.0039	25	-71 19 33.97	-0.039	36	1.44	8.916	53	07.4	32.31	63	07.4		M4	2588	P -70 1423
71		8.3	43 30.958	-0.0004	25	-76 34 56.57	-0.017	36	1.46	30.974	53	06.7	55.81	63	06.7		M4	2590	P -76 688
72		8.4T	43 58.214	-0.0035	14	-70 37 34.47	-0.012	12	0.70	58.385	22	01.0	33.84	19	97.1	A0	GC	16144	P -70 1427
73		9.0T	44 6.687	0.0021	14	-70 37 57.20	-0.023	12	0.71	6.583	21	00.3	56.00	19	97.9		GC	16148	P -70 1428
74		8.4T	44 57.052	-0.0034	15	-76 20 23.09	-0.003	13	0.73	57.217	22	01.6	22.92	21	97.9	MB	GC	16167	P -75 754
75		8.7	45 7.756	-0.0029	25	-71 29 28.14	-0.050	36	1.79	7.917	53	95.4	25.41	63	95.4		M4	2593	P -71 1283
76			45 58.785	-0.0100	25	-73 12 7.15	-0.055	36	1.60	59.265	53	02.0	4.52	63	02.0		M4	2597V	P*-72 1162
77		9.0	47 17.344	-0.0117	33	-77 14 36.99	0.014	43	2.31	18.019	75	92.4	37.82	57	92.4		M3	1514	
78		9.0	47 49.780	0.0111	33	-75 21 38.83	-0.034	43	2.31	49.138	75	92.3	36.89	57	92.3		M3	1516	
79		9.1T	48 15.681	-0.0031	12	-73 15 25.13	-0.012	11	0.65	15.838	21	99.3	24.49	19	95.9	A0	GC	16218	P -72 1165
80		9.2	48 40.131	0.0134	25	-78 0 29.94	-0.030	36	1.44	39.548	45	06.4	28.65	53	06.4		M4	2609	P -77 754
81		9.1	50 35.448	-0.0104	25	-76 33 35.63	-0.006	36	1.60	35.949	53	01.7	35.32	63	01.7		M4	2617	P -76 694
82		9.0	52 17.449	-0.0098	25	-73 56 57.60	-0.071	36	1.61	17.927	53	01.4	54.17	63	01.4		M4	2620	P -73 905
83		8.7	52 52.868	-0.0050	25	-71 32 58.78	-0.040	36	1.60	53.118	36	99.8	56.77	45	99.8		M4	2623	P -71 1295
84		9.1	52 57.248	-0.0112	25	-79 26 10.37	0.060	36	1.76	57.846	53	96.4	13.61	63	96.4		M4	2624	P -79 659
85		8.2	53 29.712	-0.0294	25	-76 43 47.77	0.017	36	1.73	31.259	53	97.4	48.65	63	97.4		M4	2625	P -76 697
86		9.0	53 53.716	0.0019	25	-78 39 31.31	0.013	36	1.70	53.620	53	98.4	31.97	63	98.4		M4	2626	P -78 698
87		9.0	53 59.007	0.0011	25	-71 22 24.98	-0.002	36	1.82	58.948	53	94.4	24.87	63	94.4		M4	2627	P -70 1445
88		9.2T	54 49.115	-0.0053	12	-77 10 22.15	-0.019	11	0.64	49.385	22	99.0	21.07	19	94.9	K5	GC	16352	P -76 699
89		8.8	55 19.590	0.0086	25	-75 6 2.13	-0.091	36	1.79	19.120	53	95.4	-57.14	63	95.4		M4	2632	P -74 863
90		8.7	55 28.832	-0.0070	25	-71 30 18.22	-0.060	36	1.79	29.213	53	95.4	14.94	63	95.4		M4	2635	P -71 1297
91		7.0T	55 58.692	-0.0052	12	-70 27 41.99	-0.007	10	0.61	58.948	22	00.3	41.62	19	98.5	B5	GC	16378	P -70 1448
92		6.8T	56 5.927	-0.0099	11	-77 32 50.51	-0.042	10	0.62	6.454	18	96.6	48.16	18	93.6	A2	GC	16379	P*-77 766
93		8.0	56 30.647	-0.0040	25	-73 43 49.69	-0.031	36	1.44	30.819	53	07.4	48.37	63	07.4		M4	2641	P -73 913
94		5.0M	57 6.727	-0.0161	06	-77 56 36.07	-0.005	05	0.33	7.617	11	94.6	35.78	10	88.3	B9	J F3	448D	P *
95		6.9T	57 33.476	-0.0162	11	-77 54 50.53	0.014	07	0.53	34.333	21	97.2	51.38	18	90.8	A0	GC	16412	P -77 774
96		6.9T	59 16.931	-0.0097	14	-73 1 11.92	-0.011	11	0.68	17.402	22	01.4	11.34	21	96.8	A0	GC	16444	P -72 1194
97		6.4T	59 54.485	-0.0117	10	-71 12 38.02	0.012	10	0.57	55.079	19	99.4	38.67	18	96.5	K0	GC	16451	P -70 1454
98		6.3T	12 1 8.471	-0.0048	13	-73 56 7.78	0.001	12	0.66	8.705	19	01.5	7.86	19	98.0	K0	GC	16474	P -73 924
99		5.0T	2 9.732	-0.0211	07	-76 14 28.67	0.044	05	0.28	10.641	12	06.9	30.60	10	06.0	K5	GC	16497	P*-75 777
00		8.5	2 15.041	-0.0030	33	-72 10 46.56	-0.058	43	2.29	15.213	63	92.4	43.22	57	92.4		M3	1541	

256900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 12H DM NUMBER
1		9.1	12 2 51.717	-0.0009	33	-70 6 53.60	0.048	43	2.29	51.767	63	92.3	56.55	53	92.3		M3	1544	
2		6.6T	3 32.855	-0.0038	12	-73 16 41.86	0.005	11	0.65	33.044	22	99.0	42.13	19	98.7	M0	GC	16536	P -72 1204
3		8.9	4 10.214	-0.0030	25	-72 47 34.94	0.006	36	1.47	10.343	53	96.4	35.21	63	96.4		M4	2656	P -72 1205
4		7.7T	4 24.047	-0.0166	12	-78 27 44.64	0.003	11	0.63	24.915	19	97.9	44.83	19	94.6	A2	GC	16553	P -78 727
5		5.2T	5 10.252	-0.0235	07	-75 5 19.84	0.024	05	0.29	11.242	10	97.8	20.99	10	92.8	K0	GC	16572	P+ -74 880
6		9.3	5 43.980	-0.0157	25	-77 7 5.14	-0.018	36	1.72	44.806	45	97.4	4.21	63	97.4		M4	2663	P -76 715
7		9.1	5 59.283	-0.0106	25	-79 42 48.09	-0.005	36	1.64	59.806	53	00.4	47.83	63	00.4		M4	2664	P -79 676
8		9.0	6 5.189	-0.0011	25	-76 12 19.42	0.108	36	1.64	5.243	53	00.4	24.77	63	00.4		M4	2665	P -75 784
9		8.4	6 15.822	-0.0089	25	-70 45 23.48	0.015	36	1.82	16.319	53	94.4	24.30	63	94.4		M4	2666	P -70 1464
10		7.0T	6 23.326	-0.0189	11	-78 30 10.61	-0.019	11	0.61	24.266	21	00.2	9.63	19	97.3	A3	GC	16595	P -78 730
11		8.3	8 55.846	-0.0109	25	-70 53 54.73	-0.011	36	1.64	56.387	53	00.4	54.19	63	00.4		M4	2678	P -70 1468
12		8.5	9 22.278	-0.0059	25	-74 39 40.35	-0.029	36	1.56	22.553	53	03.4	39.00	63	03.4		M4	2682	P -74 885
13		8.8	10 23.147	-0.0059	25	-70 30 18.29	0.005	36	1.79	23.471	53	95.4	18.55	63	95.4		M4	2684	P -70 1470
14		8.9	11 2.636	0.0340	25	-73 40 56.56	-0.016	36	1.42	1.214	53	08.1	55.89	63	08.1		M4	2688	P -73 956
15		6.4T	11 4.729	-0.0087	09	-78 17 43.50	-0.006	08	0.37	5.069	12	10.9	43.26	12	08.0	K2	GC	16698	P -77 804
16		8.4	11 6.820	-0.0109	25	-75 44 36.40	0.036	36	1.64	7.362	53	00.4	38.19	63	00.4		M4	2690	P -75 792
17		8.3	12 3.813	-0.0039	25	-71 15 23.77	-0.015	36	1.76	4.024	53	96.4	22.97	63	96.4		M4	2695	P -70 1472
18		8.3	12 27.803	-0.0020	25	-72 46 59.06	-0.016	36	1.41	27.886	53	08.4	58.40	63	08.4		M4	2696	P -72 1232
19		6.3T	13 36.511	-0.0099	12	-72 20 11.81	-0.032	11	0.64	37.020	19	98.6	10.06	18	95.2	A0	GC	16749	P -71 1323
20		8.1T	14 10.882	-0.0079	14	-73 51 56.64	-0.005	12	0.69	11.265	22	01.7	56.40	21	97.7	A0	GC	16757	P -73 968
21		8.7	14 17.694	-0.0040	25	-73 15 21.92	-0.027	36	1.43	17.863	53	07.8	20.79	63	07.8		M4	2701	P -72 1233
22		8.7	14 34.412	-0.0099	25	-70 36 53.05	-0.005	36	1.79	34.955	53	95.4	52.77	63	95.4		M4	2702	P -70 1477
23		9.1	15 12.925	-0.0127	25	-77 8 32.63	0.008	36	1.73	13.588	53	97.4	33.08	63	97.4		M4	2708	P -76 725
24		4.4H	15 22.132	-0.0152	52	-79 2 4.83	0.015	02	0.08	22.815	04	95.1	5.45	04	07.2	B5	F4	459	P -78 741
25		8.3	15 54.781	-0.0210	33	-71 36 21.36	0.019	43	2.27	55.968	75	93.4	22.44	57	93.4		M3	1564	
26		8.8	16 38.593	-0.0011	25	-70 35 28.67	-0.024	36	1.62	38.541	53	01.1	27.49	63	01.1		M4	2712	P -70 1478
27		6.9T	16 51.430	-0.0479	12	-76 31 21.46	-0.049	11	0.66	53.846	22	99.6	18.84	21	95.9	F5	GC	16802	P -76 726
28		8.8	17 54.060	-0.0110	25	-73 7 25.69	-0.068	36	1.76	53.460	53	96.4	22.06	63	96.4		M4	2716	P -72 1238
29		8.9	18 11.280	-0.0255	25	-72 32 14.95	-0.076	36	1.64	12.522	53	00.4	11.17	63	00.4		M4	2719	P -72 1239
30		7.6T	18 16.578	-0.0229	12	-79 47 2.33	-0.001	11	0.63	17.723	19	00.0	2.27	19	97.3	A0	GC	16839	P -79 686
31		9.2	18 28.561	0.0021	25	-70 51 4.98	-0.015	36	1.61	28.460	53	01.4	4.26	63	01.4		M4	2720	P -70 1479
32		7.5T	18 40.397	-0.0071	12	-79 11 19.64	0.010	12	0.65	40.764	19	98.4	20.20	19	96.5	A0	GC	16850	P -78 747
33		9.0	18 56.278	-0.0069	25	-74 37 33.14	-0.009	36	1.44	56.571	53	07.4	32.77	63	07.4		M4	2724	P -74 905
34		6.8T	19 21.783	-0.0076	13	-73 13 35.62	-0.037	12	0.67	22.165	21	99.8	33.66	19	96.7	A2	GC	16858	P -72 1240
35		9.2	20 21.446	0.0016	25	-75 13 34.38	-0.007	36	1.82	21.357	53	94.4	33.97	63	94.4		M4	2729	
36		9.0	20 23.789	-0.0008	25	-74 57 9.99	0.034	36	1.56	23.826	53	03.4	11.58	63	03.4		M4	2730	P -74 907
37		7.8	20 27.546	-0.0177	25	-77 24 14.99	-0.016	36	1.61	28.406	53	01.5	14.24	63	01.5		M4	2731	P -76 728
38		7.2T	21 25.859	-0.0042	13	-76 56 15.15	0.009	11	0.63	26.061	18	01.7	15.65	18	97.0	K2	GC	16901	P -76 729
39		6.8T	21 57.294	-0.0078	12	-72 19 35.66	-0.002	11	0.62	57.703	21	97.4	35.55	19	96.5	A0	GC	16913	P -71 1326
40		8.3	22 8.067	-0.0039	25	-70 27 4.35	-0.020	36	1.78	8.278	53	95.5	3.25	63	95.5		M4	2735	P -70 1481
41		8.3	22 29.595	-0.0429	25	-75 45 54.51	-0.021	36	1.64	31.723	53	00.4	53.47	63	00.4		M4	2736	P -75 812
42		9.0	23 26.968	-0.0037	25	-76 47 1.03	-0.021	36	1.56	27.138	53	03.4	0.08	63	03.4		M4	2739	P -76 731
43		7.9T	24 35.501	-0.0062	12	-75 11 46.45	-0.006	11	0.65	35.818	21	98.5	46.14	19	95.2	A3	GC	16967	P -74 917
44		8.9	24 55.302	-0.0131	25	-75 57 22.12	0.013	36	1.64	55.951	53	00.4	22.75	63	00.4		M4	2745	P -75 815
45		7.9	25 19.408	-0.0069	33	-70 16 9.69	-0.039	43	2.27	19.796	75	93.4	7.47	57	93.4		M3	1583	
46		9.1	25 46.514	0.0021	25	-70 25 31.98	0.039	36	1.53	46.416	53	04.4	33.75	63	04.4		M4	2749	P -70 1487
47		7.0T	27 17.485	-0.0056	11	-72 42 32.90	-0.031	11	0.64	17.777	21	97.6	31.24	21	96.1	A3	GC	17031	P -72 1256
48		9.1	27 19.790	-0.0121	25	-77 39 31.56	-0.047	36	1.76	20.441	53	96.4	29.07	63	96.4		M4	2753	P -77 834
49		7.8	27 32.038	0.0010	25	-71 44 49.02	-0.012	36	1.76	31.984	53	96.4	48.38	63	96.4		M4	2754	P -71 1331
50		7.0T	27 41.342	-0.0015	17	-72 48 45.20	-0.016	11	0.74	41.412	22	02.5	44.35	21	96.6	K0	GC	17041	P -72 1258
51		7.5T	12 27 50.149	0.0006	14	-75 7 29.25	-0.033	12	0.68	50.123	21	02.4	27.57	19	98.5	A0	GC	17045	P -74 922
52		7.1T	28 56.517	-0.0165	12	-79 30 28.24	0.011	11	0.63	57.321	21	01.2	28.80	19	97.7	A0	GC	17066	P -79 693
53		8.0T	29 4.124	-0.0067	12	-77 55 4.47	-0.002	12	0.66	4.465	21	99.2	4.38	19	96.6	B9	GC	17070	P -77 845
54		6.0T	29 7.011	0.0104	11	-72 43 30.84	-0.031	11	0.63	6.470	19	98.1	29.20	19	96.6	K0	GC	17075	P -72 1261
55		4.0H	29 27.195	-0.0102	03	-71 51 25.17	-0.009	02	0.11	27.553	06	15.1	24.85	06	15.5	B5	F4	469	P -71 1336
56		9.3	29 35.287	-0.0189	33	-74 22 58.33	-0.018	43	2.31	36.374	75	92.3	59.39	57	92.3		M3	1590	
57		8.3T	29 35.658	-0.0012	13	-73 22 49.52	-0.017	12	0.68	35.719	19	99.9	48.61	19	96.3	G0	GC	17089	P -72 1266
58		7.9T	29 42.956	-0.0138	14	-75 9 30.30	-0.025	12	0.69	43.620	22	01.7	29.01	21	97.7	F2	GC	17090	P -74 927
59		8.1	29 46.260	-0.0010	33	-72 5 51.13	-0.015	43	2.27	46.315	75	93.4	50.28	57	93.4		M3	1592	
60		9.3	30 58.945	0.0063	25	-71 38 35.93	-0.274	36	1.79	58.601	53	95.4	20.99	63	95.4		M4	2765	P -71 1344
61		8.8	31 34.634	-0.0026	25	-70 50 25.95	0.005	36	1.67	34.767	53	99.5	26.23	63	99.5		M4	2766	P -70 1494
62		8.9	32 19.536	-0.0197	33	-76 13 27.57	0.046	43	2.31	20.673	75	92.4	30.22	57	92.4		M3	1598	
63		9.1	33 59.203	0.0096	25	-71 0 27.96	-0.004	36	1.77	58.678	53	95.4	27.75	53	95.4		M4	2776	P -70 1497
64		8.9	34 42.734	-0.0124	25	-73 5 16.93	0.033	36	1.52	43.298	53	04.5	18.44	63	04.5		M4	2778	P -72 1284
65		6.8T	35 38.230	-0.0068	12	-75 47 27.19	-0.014	11	0.64	38.517	19	00.6	26.44	19	97.2	K0	GC	17206	P -75 827
66		8.5	35 38.615	-0.0064	25	-72 43 51.62	0.006	36	1.67	38.936	53	99.4	51.92	63	99.4		M4	2783	P -72 1287
67		6.5T	35 59.821	-0.0062	10	-75 5 42.74	0.025	11	0.63	+ 0.164	19	95.0	44.17	18	93.8	B9	GC	17214K	P+ -74 955
68		9.0	36 12.871	-0.0024	25	-71 20 50.99	-0.035	36	1.47	12.975	53	06.5	49.48	63	06.5		M4	2785	P -70 1502
69		8.3	37 9.664	-0.0064	33	-71 22 17.20	-0.049	43	2.27	10.139	75	93.4	14.45	57	93.4		M3	1609	
70		8.5	37 16.269	-0.0162	25	-77 40 24.52	-0.006	36	1.61	17.055	53	01.4	24.24	63	01.4		M4	2790	P -77 861
71		7.5T	37 26.732	-0.0116	13	-70 16 20.05	0.005	12	0.68	27.306	22	00.6	20.32	19	95.7	A0	GC	17239	P -69 1689
72		8.7	37 42.912	-0.0084	25	-70 44 53.78	-0.020	36	1.67	43.337	53	99.4	52.77	63	99.4		M4	2795	P -70 1504
73		9.3	38 40.969	-0.0225	25	-76 30 37.78	-0.008	36	1.53	39.897	36	02.4	37.39	45	02.4		M4	2797	P -76 737
74		9.1	39 38.480	-0.0148	25	-77 4 39.08	-0.041	36	1.47	39.123	53	06.4	37.27	63	06.4		M4	2799	P -76 739
75		8.2	40 39.178	-0.0004	25	-70 45 50.90	-0.034	36	1.44	39.196	53	07.4	49.45	63	07.4		M4	2803	P -70 1511
76		8.4	41 5.600	-0.0044	25	-72 31 37.19	-0.015	36	1.66	5.823	53	99.8	36.44	63	99.8		M4	2804	P -72 1296
77		8.8	41 33.380	-0.0221	25	-74 47 2.34	-0.061	36	1.76	34.564	53	96.4	59.09	63	96.4		M4	2805	P -74 964
78		8.8	42 7.147	-0.0064	25	-73 31 26.31	-0.026	36	1.80	7.503	53	94.4	24.87	53	94.4		M4	2807	P -73 1032
79		7.4	42 14.732	-0.0094	25	-71 26 19.98	-0.076	36	1.64	15.197	53	00.4	16.22	63	00.4		M4	2809	P -71 1376
80		8.2	44 41.878	-0.0004	25	-71 19 24.82	-0.032	36	1.46	41.895	53	06.8	23.45	63	06.8		M4	2815	P -70 1522
81		8.9	45 28.327	0.0163	33	-75 3 3.02	-0.016	43	2.29	27.390	63	92.5	2.08	57	92.5		M3	1625	
82		9.0	45 54.977	0.0048	25	-74 44 26.32	0.047	36	1.56	54.754	53	03.4	28.53	63	03.4		M4	2820	P -74 982
83		5.6T	46 28.662	0.0019	07	-71 42 50.15	-0.012	07	0.30	28.587	14	11.1	49.66	14	08.2	K0	GC	17403	P -71 1391
84		9.2	48 23.159	-0.0232	25	-77 38 34.04	-0.032	36	1.50	24.191	53	05.5	32.64	63	05.5		M4	2828	P -77 877
85		8.0	48 38.267	-0.0054	25	-73 38 56.97	-0.016	36	1.52	38.513	53	04.5	56.25	63	04.5		M4	2830	P -73 1050
86		7.3T	50 22.551	-0.0068	14	-71 0 7.83	-0.025	11	0.68	22.881	21	01.3	6.53	19	97.2	A0	GC	17476	P -70 1533
87		8.0T	50 25.641	-0.0145	17	-77 45 56.93	0.020	13	0.76	26.317	21	03.4	57.98	18	98.5	K2	GC	17477	P -77 880
88		9.2	50 37.754	0.0218	25	-79 48 7.47	-0.005	36	1.52	36.762	53	04.5	7.23	63	04.5		M4	2835	P -79 708
89		8.0T	51 59.039	0.0052	13	-73 41 52.97	-0.032	13	0.67	58.793	21	02.8	51.37	21	00.7	A0	GC	17521	P -73 1060
90		7.3T	52 26.570	0.0043	12	-72 45 42.16	-0.008	12	0.66	26.351	21	99.5	41.75	19	96.8	K0	GC	17527	P -72 1320
91		9.2	52 56.790	0.0018	33	-74 13 23.29	-0.064	43	2.29	56.687	63	92.5	19.58	57	92.4		M3	1638	
92		5.8T	53 9.212	-0.0041	07	-71 54 52.35	-0.018	07	0.31	9.374	12	10.3	51.61	12	08.2	K0	GC	17545	P -71 1404
93		8.8	54 18.755	-0.0027	25	-75 3 10.03	0.008	36	1.76	18.900	53	96.5	10.44	63	96.5		M4	2850	P -74 1002
94		8.7	54 24.124	-0.0024	25	-73 36 21.18	0.049	36	1.61	24.241	53	01.4	23.57	63	01.4		M4	2851	P -73 1064
95		8.5	55 37.032	-0.0154	25	-79 40 40.50	-0.083	36	1.68	37.833	45	98.0	36.17	53	98.0		M4	2855	P -79 713
96		8.9T	56 14.414	-0.0037	11	-70 33 54.47	-0.033	09	0.59	14.602	21	98.8	52.62	19	93.3	A3	GC	17607	P+ -70 1543
97		8.8	57 11.795	-0.0101	25	-78 44 10.29	-0.034	36	1.61	12.285	53	01.5	8.61	63	01.5		M4	2860	P -78 783
98		8.7	57 14.387	-0.0054	25	-71 47 42.87	-0.036	36	1.64	14.655	53	00.4	41.09	63	00.4		M4	2862	P -71 1413
99		8.9	58 29.885	-0.0249	25	-79 5 47.06	-0.016	36	1.70	31.171	53	98.4	46.25	63	98.4		M4	2865	P -78 784
00		3.6H	58 47.972	0.0560	02	-71 16 47.18	-0.032	02	0.09	45.839	05	11.9	45.99	04	12.3	K2	F4	487	P -70 1548

257000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″ .001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″ .001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″ .01	ep.	δ_2 ″	σ' ″ .01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 12H DM NUMBER
1		8.9	12 59 14.374	-0.0034	25	-72 9 52.30	-0.088	36	1.79	14.560	53	95.4	47.51	63	95.4		M4	2867	P -71 1419
2		9.1	59 20.065	-0.0124	25	-73 14 35.94	-0.010	36	1.65	20.683	53	00.1	35.46	63	00.1		M4	2868	P -72 1334
3		6.0T	59 39.371	-0.0030	08	-71 12 26.19	-0.021	06	0.35	39.503	14	05.6	25.17	14	00.8	B3P	GC	17685	P*-70 1553
4		9.1	59 40.851	-0.0095	25	-76 45 46.64	0.015	36	1.76	41.359	53	96.5	47.43	63	96.5		M4	2869	P -76 744
5		8.1T	13 0 0.345	-0.0256	12	-79 57 2.11	-0.012	11	0.61	1.610	21	00.6	1.47	18	97.7	F0	GC	17691	P -79 717
6		8.4	0 30.101	-0.0103	25	-70 0 4.90	-0.081	36	1.67	30.624	53	99.4	0.79	63	99.4		M4	2874	P -69 1752
7		9.1	1 5.009	-0.0042	33	-76 22 53.42	-0.033	43	2.31	5.253	75	92.3	51.51	57	92.3		M3	1653	
8		8.6	2 2.982	-0.0042	25	-74 37 24.23	0.014	36	1.56	3.180	53	03.1	24.91	63	03.1		M4	2876	P -74 1015
9		9.1	3 10.349	-0.0080	33	-79 15 9.73	-0.080	43	2.31	10.809	75	92.4	5.14	57	92.4		M3	1656	
10		7.6T	3 57.545	-0.0048	12	-73 19 6.27	-0.003	11	0.64	57.797	19	97.3	6.12	19	95.0	A0	GC	17771	P -72 1344
11		6.6T	4 15.178	-0.0140	07	-78 10 43.09	-0.015	05	0.27	15.737	09	09.9	42.48	09	07.8	A0	GC	17777K	P -77 887
12		8.9	4 39.325	-0.0044	25	-72 48 27.11	-0.033	36	1.67	39.547	53	99.4	25.46	63	99.4		M4	2882	P -72 1345
13		9.2	6 7.273	0.0002	25	-76 58 52.37	-0.030	36	1.71	7.261	45	97.2	50.80	53	97.2		M4	2887	P -76 750
14		8.4	7 23.438	0.0176	25	-70 32 36.75	-0.067	36	1.81	22.461	53	94.5	33.03	63	94.5		M4	2892	P -70 1567
15		8.3	7 34.198	-0.0074	25	-71 32 56.58	-0.049	36	1.67	34.573	53	99.4	54.11	63	99.4		M4	2893	P -71 1434
16		8.6	8 37.878	-0.0044	25	-72 33 37.27	0.196	36	1.70	38.107	53	98.4	47.37	63	98.4		M4	2899	P -72 1358
17		8.7	9 49.028	-0.0008	25	-77 11 40.64	-0.017	36	1.73	49.069	53	97.4	39.77	63	97.4		M4	2903	P -76 751
18		8.2	9 51.680	-0.0024	25	-73 45 21.76	0.034	36	1.40	51.779	53	08.8	23.17	63	08.8		M4	2907	P -73 1105
19		5.8T	10 3.798	-0.0015	05	-78 10 57.86	-0.010	05	0.25	3.865	09	04.1	57.41	09	02.5	G5	GC	17886	P -77 890
20		8.7	10 19.345	-0.0479	25	-79 1 37.30	-0.118	36	1.64	21.717	53	00.5	31.48	63	00.5		M4	2905	P -78 795
21		7.8	10 33.499	-0.0081	25	-74 54 25.53	-0.038	36	1.76	33.932	53	96.5	23.51	63	96.5		M4	2913	P -74 1032
22		7.5T	11 45.913	0.0014	13	-70 12 50.14	-0.032	12	0.69	45.843	18	99.0	48.42	18	96.3	B9	GC	17925	P*-69 1783
23		9.1	13 12.040	-0.0164	33	-72 9 45.48	-0.054	43	2.31	12.985	75	92.3	42.38	57	92.3		M3	1674	
24		9.1	13 21.869	-0.0014	25	-70 42 49.98	-0.090	36	1.67	21.940	53	99.4	45.43	63	99.4		M4	2921	P -70 1579
25		7.1T	14 2.687	-0.0269	11	-78 33 35.04	-0.017	11	0.60	4.063	19	98.9	34.15	19	96.3	A3	GC	17967	P -78 800
26		6.5T	14 12.787	-0.0051	14	-79 42 45.03	-0.016	12	0.70	13.038	22	00.8	44.17	19	96.9	A0	GC	17972	P*-79 723
27		7.2T	14 14.079	-0.0125	12	-73 4 50.82	-0.056	10	0.63	14.735	21	97.4	47.74	19	94.6	A2	GC	17974	P -72 1372
28		6.1T	15 37.378	-0.0043	12	-71 46 19.97	-0.066	11	0.62	37.591	22	00.3	16.64	19	99.4	K2	GC	18004	P -71 1458
29		8.6	16 3.115	-0.0042	25	-77 41 47.42	0.030	36	1.47	3.297	53	06.4	48.75	63	06.4		M4	2928	P -77 892
30		7.6T	16 16.964	-0.0794	14	-70 35 31.33	-0.030	12	0.69	20.846	21	01.1	29.78	19	97.7	K0	GC	18014	P -70 1589
31		7.9	17 18.346	0.0026	25	-73 0 36.00	0.156	36	1.47	18.233	53	06.5	42.81	63	06.5		M4	2935	P -72 1380
32		7.4T	18 28.482	-0.0000	12	-70 17 6.81	-0.008	12	0.66	28.483	22	99.8	6.38	21	96.5	B9	GC	18058	P -69 1816
33		6.1T	19 7.825	-0.0030	12	-71 53 6.79	-0.020	11	0.64	7.979	21	98.8	5.73	19	96.3	B5	GC	18078	P -71 1467
34		9.1	19 14.288	-0.0115	25	-76 43 17.77	-0.032	36	1.75	14.899	53	96.8	16.04	63	96.8		M4	2939	P -76 760
35		8.2	19 39.714	0.0056	25	-73 31 55.47	0.045	36	1.55	39.448	45	02.5	57.62	53	02.5		M4	2942	P -73 1138
36		9.0	20 18.700	0.0066	25	-72 33 14.34	-0.017	36	1.67	18.368	53	99.4	13.48	63	99.4		M4	2947	P -72 1387
37		7.7	20 28.131	0.0016	25	-70 31 22.98	-0.050	36	1.76	28.045	53	96.4	20.31	63	96.4		M4	2949	P -70 1601
38		8.1T	20 38.457	-0.0521	10	-78 41 25.81	-0.049	10	0.58	41.310	18	95.2	23.04	18	93.0	F2	GC	18108	P -78 808
39		7.9	20 50.814	-0.0006	25	-77 47 38.38	-0.017	36	1.61	50.843	53	01.5	37.58	63	01.5		M4	2948	P -77 896
40		7.2T	21 1.706	-0.0511	14	-70 10 5.07	-0.131	12	0.70	4.170	22	01.8	-58.23	21	97.8	K0	GC	18113	P -69 1834
41		5.0T	21 7.877	-0.0263	07	-74 37 32.17	-0.133	06	0.28	8.939	10	09.6	26.56	10	07.7	K0	GC	18116	P*-74 1057
42		5.8T	22 9.452	-0.0115	10	-70 22 2.75	-0.016	08	0.38	9.897	12	11.4	2.08	14	08.0	A0P	GC	18141	P -69 1838
43		9.1	22 21.587	0.0032	25	-76 54 41.56	-0.052	36	1.64	21.426	53	00.4	39.00	63	00.4		M4	2954	P -76 762
44		8.4	22 40.894	0.0132	25	-76 54 21.66	0.003	36	1.64	40.237	53	00.4	21.83	63	00.4		M4	2956	P -76 764
45		8.7	22 47.978	-0.0052	25	-73 55 46.42	-0.023	36	1.64	48.241	45	99.5	45.24	53	99.5		M4	2958	P -73 1143
46		9.4	23 10.424	0.0072	25	-77 6 30.07	0.044	36	1.81	10.022	53	94.5	32.54	63	94.5		M4	2959	P -76 766
47		6.8T	23 17.181	-0.0098	07	-74 25 55.78	-0.023	06	0.29	17.581	10	09.2	54.75	12	05.9	B9	GC	18157	P*-74 1059
48		9.3	23 44.874	0.0066	25	-71 52 5.44	-0.024	36	1.58	44.607	53	02.5	4.31	63	02.5		M4	2962	P -71 1473
49		8.9	23 45.171	0.0016	25	-70 48 44.91	-0.036	36	1.78	45.083	53	95.5	42.96	63	95.5		M4	2963	P -70 1613
50		8.4	24 6.957	-0.0063	25	-79 59 56.22	-0.038	36	1.52	7.198	53	04.4	54.48	63	04.4		M4	2961	P -79 730
51		8.3	13 24 14.539	0.0016	25	-72 46 53.95	0.012	36	1.67	14.457	53	99.4	54.58	63	99.4		M4	2964	P -72 1402
52		8.3	25 37.234	-0.0102	25	-74 38 49.12	-0.015	36	1.53	37.702	53	04.2	48.45	63	04.2		M4	2970	P -74 1063
53		8.2T	25 43.404	-0.0084	14	-76 18 53.49	-0.001	12	0.69	43.816	22	01.1	53.42	21	96.8	A0	GC	18207	P -75 874
54		9.1	26 53.116	0.0056	33	-71 7 33.89	-0.059	43	2.31	52.793	75	92.5	30.51	57	92.4		M3	1702	
55		6.8T	27 19.731	-0.0081	13	-79 24 10.78	0.006	12	0.69	20.138	22	00.0	11.13	19	95.7	K2	GC	18246	P -79 733
56		8.7T	27 21.856	0.0017	15	-70 35 2.82	-0.004	17	0.77	21.775	24	03.6	2.65	24	04.0	K5	GC	18247	P -70 1626
57		7.8T	27 56.261	-0.0087	12	-78 49 4.08	-0.003	12	0.65	56.704	22	99.0	3.94	21	96.4	K5	GC	18253	P -78 816
58		8.5	28 3.600	-0.0054	25	-73 33 52.18	0.029	36	1.82	3.900	53	94.4	53.80	63	94.4		M4	2977	P -73 1157
59		8.8	28 44.151	-0.0109	25	-79 2 0.64	-0.044	36	1.70	44.715	53	98.4	-58.39	63	98.4		M4	2976	P -78 818
60	7.01		28 50.340	-0.1021	12	-77 18 35.60	-0.114	11	0.63	55.546	22	99.0	29.45	21	95.8	F5	GC	18279X	P*-76 767
61		8.8	29 1.566	0.0266	25	-71 26 42.21	0.021	36	1.79	0.114	53	95.4	43.37	63	95.4		M4	2984	P -71 1483
62		8.5	29 17.446	-0.0031	25	-74 52 5.41	0.014	36	1.49	17.589	36	03.5	6.08	45	03.5		M4	2983	P -74 1068
63		8.6	29 33.244	-0.0052	25	-77 36 12.40	0.035	36	1.42	33.460	53	08.1	13.88	63	08.1		M4	2982	P -77 900
64		9.2	29 45.136	0.0086	25	-70 55 11.63	-0.039	36	1.37	44.787	45	09.4	10.06	63	09.4		M4	2989	P -70 1634
65		9.3	29 45.174	-0.0142	25	-77 35 24.93	0.086	36	1.42	45.768	53	08.1	28.55	63	08.1		M4	2987	P -77 902
66		7.1T	31 57.038	-0.0068	13	-73 4 19.00	-0.015	10	0.64	57.388	19	98.8	18.21	18	95.9	B9	GC	18345	P -72 1413
67		7.7T	32 35.339	-0.0306	14	-76 15 12.61	0.027	12	0.70	36.838	22	01.1	14.02	19	96.9	F8	GC	18361	P -75 879
68		8.5	33 49.817	-0.0031	25	-72 33 15.99	-0.043	36	1.72	49.978	53	97.8	13.76	63	97.8		M4	3000	P -72 1419
69		6.4H	34 51.964	-0.0044	04	-75 25 47.32	-0.015	03	0.14	52.121	06	14.2	46.83	06	16.1	A0	F4	503	P -75 882
70		6.0T	34 55.890	-0.0149	08	-70 11 26.01	-0.046	07	0.35	56.540	14	06.5	23.84	14	02.8	K2	GC	18410	P -69 1898
71		9.0	35 13.862	0.0085	25	-79 34 52.02	-0.063	36	1.66	13.424	45	98.7	48.77	53	98.7		M4	3003	P -79 739
72		8.3	35 31.342	-0.0030	25	-72 15 4.48	-0.058	36	1.82	31.507	53	94.4	1.27	63	94.4		M4	3007	P -71 1495
73		8.8	36 2.339	-0.0067	25	-73 49 33.27	-0.046	36	1.72	2.690	53	97.8	30.85	63	97.8		M4	3008	P -73 1177
74		6.5T	36 8.103	-0.0034	11	-70 32 4.86	-0.035	08	0.56	8.271	21	00.2	2.90	19	93.5	K0	GC	18448	P -70 1653
75		9.5	36 56.562	0.0051	25	-72 45 20.99	-0.003	36	1.54	56.324	45	02.9	20.86	53	02.9		M4	3013	P -72 1429
76		8.6	37 3.106	-0.0261	25	-77 15 41.46	-0.054	36	1.64	4.427	45	99.3	38.73	53	99.3		M4	3011	P -76 774
77		6.9T	37 15.428	-0.0027	12	-71 36 57.71	0.028	11	0.66	15.563	22	99.5	59.25	19	95.3	MB	GC	18467	P -71 1498
78		6.7T	37 20.905	-0.0056	12	-74 51 44.59	0.018	11	0.63	21.178	19	01.0	45.56	18	97.2	A0	GC	18471K	P -74 1081
79		8.5	38 13.156	-0.0018	25	-76 32 23.36	-0.027	36	1.70	13.249	53	98.4	21.95	63	98.4		M4	3016	P -76 775
80		9.3	38 31.746	0.0025	33	-79 37 10.19	-0.090	43	2.27	31.604	75	93.4	5.07	57	93.4		M3	1723	
81		9.1	38 39.031	0.0104	25	-75 53 2.39	0.022	36	1.52	38.556	53	04.5	3.38	63	04.5		M4	3018	P -75 889
82		8.8	38 53.573	0.0011	25	-70 28 25.75	0.013	36	1.55	53.524	53	03.5	26.35	63	03.5		M4	3023	P -70 1659
83		8.9	39 18.494	0.0000	25	-71 49 51.62	-0.060	36	1.64	18.493	53	00.5	48.66	63	00.5		M4	3024	P -71 1502
84		8.6	40 3.656	-0.0085	25	-79 31 3.71	-0.075	36	1.52	4.041	53	04.4	0.27	63	04.4		M4	3022	P -79 742
85		7.7T	40 10.789	0.0011	13	-73 23 7.58	-0.001	12	0.67	10.737	21	01.7	7.55	19	97.4	B5	GC	18534	P -73 1184
86		8.8	40 54.542	-0.0241	25	-76 49 30.12	-0.021	36	1.61	55.709	53	01.5	29.12	63	01.5		M4	3029	P -76 779
87		7.2T	41 8.961	-0.0069	13	-71 16 55.78	-0.027	11	0.65	9.301	22	00.5	54.42	19	99.4	K0	GC	18558	P -70 1664
88		7.9	42 23.830	-0.0241	25	-77 16 32.51	-0.082	36	1.44	24.852	53	07.5	29.04	63	07.5		M4	3031	P -76 781
89		6.9T	43 34.048	-0.0053	14	-70 58 53.48	-0.023	12	0.68	34.298	21	02.5	52.32	19	98.5	B9	GC	18608	P -70 1670
90		9.1	43 45.475	0.0079	25	-78 48 55.62	0.000	36	1.52	45.114	53	04.5	55.63	63	04.5		M4	3035	P -78 827
91		8.5	45 15.809	-0.0057	25	-74 39 41.60	-0.042	36	1.52	16.069	53	04.5	39.71	63	04.5		M4	3041	P -74 1103
92		7.1T	47 12.180	0.0104	10	-72 53 46.34	-0.012	12	0.60	11.658	21	99.7	45.73	19	98.2	A5	GC	18678	P -72 1452
93		9.8	47 31.404	0.0136	33	-75 12 18.38	0.054	43	2.31	30.610	75	92.5	21.51	57	92.5		M3	1740	
94		8.0	47 53.790	-0.0050	25	-70 30 31.15	-0.005	36	1.38	53.992	53	09.6	30.95	63	09.6		M4	3051	P -70 1684
95		8.7	47 59.453	0.0028	25	-75 0 45.79	-0.071	36	1.43	59.335	53	07.9	42.82	63	07.9		M4	3049	P -74 1109
96		9.0	48 35.019	0.0010	25	-70 55 46.11	-0.020	36	1.52	34.972	53	04.5	45.21	63	04.5		M4	3055	P -70 1685
97		8.4	48 39.914	-0.0006	25	-74 51 15.61	-0.011	36	1.37	39.938	45	09.5	15.19	63	09.5		M4	3054	P -74 1112
98		7.0T	48 50.081	-0.0093	11	-73 1 19.90	-0.050	11	0.61	50.570	21	97.6	17.26	19	96.6	A0	GC	18719	P -72 1455
99		8.8	50 58.558	-0.0090	25	-72 29 16.80	-0.015	36	1.48	58.961	45	05.0	16.14	53	05.0		M4	3061	P -72 1459
00		8.8	51 22.892	0.0001	25	-73 26 10.95	-0.006	36	1.46	22.889	53	06.2	10.70	53	06.0		M4	3064	P -73 1210

257100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER
1		9.0	13 51 45.124	-0.0141	25	-77 28 13.57	0.037	36	1.40	45.703	53	08.8	15.11	63	08.8		M4	3062
2		8.2	52 15.379	-0.0230	25	-70 33 38.75	-0.061	36	1.47	16.380	53	06.5	36.53	63	06.5		M4	3070
3		8.9	53 48.099	-0.0030	33	-71 27 42.74	-0.003	43	2.31	48.275	75	92.4	42.93	57	92.4		M3	1755
4		8.7	53 55.185	-0.0049	25	-73 23 45.27	-0.063	36	1.52	55.409	53	04.6	42.88	63	04.6		M4	3074
5		8.5	54 17.661	0.0052	25	-76 32 26.51	0.017	36	1.49	17.430	53	05.5	27.29	63	05.5		M4	3072
6		9.2	54 18.922	-0.0030	25	-71 34 57.52	0.002	36	1.67	19.074	53	99.5	57.63	63	99.5		M4	3076
7		6.2T	55 18.292	-0.0026	11	-78 20 51.67	-0.021	11	0.62	18.428	21	97.7	50.52	18	94.5	AO	GC	18877
8		7.8	58 27.181	-0.0144	25	-77 31 1.86	-0.025	36	1.70	27.925	53	98.4	0.58	63	98.4		M4	3086
9		8.3	58 55.637	-0.0020	25	-70 54 7.96	-0.044	36	1.78	55.744	53	95.4	5.58	63	95.5		M4	3090
10		8.9	14 0 12.401	0.0020	25	-70 33 18.65	-0.035	36	1.67	12.300	53	99.4	16.88	63	99.4		M4	3094
11		8.0	0 22.022	0.0010	25	-71 49 50.08	-0.067	36	1.47	21.978	53	06.5	47.18	63	06.5		M4	3095
12		6.1N	0 23.288	-0.0249	02	-76 33 24.73	-0.035	02	0.10	24.249	05	11.4	23.43	05	13.1	M3	F4	1363V
13		9.9T	1 0.560	0.0089	15	-78 36 45.49	-0.054	14	0.73	0.141	21	02.7	42.88	21	01.4	G5	GC	18983
14		8.0	2 13.292	-0.0151	25	-79 0 49.54	-0.028	36	1.70	14.079	53	97.8	48.09	53	97.7		M4	3099
15		8.3	3 2.418	-0.0045	25	-75 32 44.12	-0.051	36	1.43	2.606	53	07.9	41.97	63	07.9		M4	3101
16		6.0T	3 48.426	-0.0612	13	-74 36 55.84	0.169	12	0.68	51.474	21	00.2	+ 4.81	19	97.1	G0	GC	19036
17		9.1	5 7.226	-0.0134	25	-77 37 44.06	-0.027	36	1.70	7.934	45	97.3	42.65	53	97.3		M4	3103
18		9.2	5 28.207	0.0073	33	-74 12 27.34	-0.090	43	2.31	27.788	75	92.5	22.14	57	92.5		M3	1775
19		6.0T	6 18.568	-0.0051	11	-70 4 9.49	-0.004	11	0.64	18.734	19	97.1	9.71	17	95.1	K0	GC	19090
20		8.3	6 30.088	-0.0020	25	-71 58 53.34	-0.010	36	1.82	30.197	53	94.4	52.80	63	94.4		M4	3113
21		9.5	7 1.152	-0.0101	25	-76 51 26.77	-0.055	36	1.70	1.670	53	98.4	23.95	63	98.4		M4	3110
22		9.0	7 3.961	0.0025	25	-75 31 40.74	-0.038	36	1.73	3.827	53	97.5	38.74	63	97.5		M4	3114
23		9.0	8 13.334	-0.0129	33	-78 0 57.91	-0.011	43	2.31	14.076	75	92.4	58.56	57	92.4		M3	1780
24		8.5	8 16.949	0.0090	25	-71 6 54.63	-0.042	36	1.47	16.557	53	06.5	52.82	63	06.5		M4	3117
25		9.1	9 1.344	-0.0030	25	-71 53 24.66	-0.044	36	1.78	1.506	53	95.5	22.27	63	95.5		M4	3120
26		8.4T	9 27.309	0.0003	13	-76 13 26.13	-0.015	12	0.68	27.296	22	00.7	26.91	19	96.8	B9	GC	19153
27		8.5	9 28.848	-0.0009	25	-73 28 29.83	-0.035	36	1.39	28.886	53	09.4	28.42	63	09.4		M4	3122
28		8.1	9 33.762	-0.0004	25	-75 31 42.43	-0.096	36	1.73	33.786	53	97.5	37.37	63	97.5		M4	3121
29		8.8	10 50.821	-0.0100	25	-71 0 5.76	-0.054	36	1.44	51.244	53	07.6	3.48	63	07.6		M4	3129
30		8.1	11 21.930	-0.0149	25	-72 45 53.12	-0.006	36	1.76	22.730	53	96.5	52.82	63	96.5		M4	3131
31		6.2T	11 34.098	-0.0024	10	-77 25 55.26	-0.005	11	0.60	34.227	21	97.3	55.55	19	96.0	K0	GC	19200
32		9.5T	11 42.761	-0.0112	14	-77 26 56.42	-0.010	15	0.72	43.285	24	03.4	55.97	24	03.2	K	GC	19208
33		7.3T	12 40.495	-0.0027	12	-75 51 23.46	-0.017	12	0.64	40.629	21	01.5	24.31	19	98.5	M0	GC	19231
34		9.1	13 24.733	0.0139	25	-79 14 53.02	-0.003	36	1.67	24.032	53	99.5	52.88	63	99.5		M4	3135
35		7.9	14 30.685	-0.0070	33	-71 9 57.95	-0.008	43	2.27	31.079	75	93.5	57.52	57	93.5		M3	1797
36		7.9	14 32.656	0.0064	25	-74 56 58.53	-0.064	36	1.68	32.326	53	98.5	55.25	53	98.5		M4	3141
37		9.1	14 39.831	-0.0060	25	-71 43 56.12	-0.003	36	1.78	40.158	53	95.5	55.97	63	95.5		M4	3144
38		9.1	14 46.276	-0.0061	25	-78 57 31.14	0.002	36	1.61	46.571	53	01.5	31.25	63	01.5		M4	3139
39		8.4	15 12.212	0.0106	25	-77 41 30.23	0.012	36	1.58	11.710	53	02.5	30.81	63	02.5		M4	3142
40		6.6T	15 13.501	0.0010	11	-73 44 18.64	0.010	09	0.56	13.452	21	00.3	19.17	19	95.5	B8	GC	19287
41		8.1	15 47.666	0.0145	25	-76 28 13.61	-0.028	36	1.59	46.958	45	01.0	12.22	53	01.0		M4	3146
42		5.2T	16 13.098	-0.0065	06	-79 52 48.41	-0.012	04	0.23	13.377	10	06.9	47.90	10	05.4	B5	GC	19305
43		7.8	16 34.923	-0.0042	25	-79 29 16.28	-0.017	36	1.76	35.147	53	96.5	15.38	63	96.5		M4	3147
44		8.4	17 42.303	0.0030	25	-70 20 59.62	-0.012	36	1.54	42.162	53	03.8	59.07	63	03.8		M4	3153
45		8.5Q	17 55.722	-0.0047	14	-73 19 39.34	0.009	12	0.75	55.975	24	96.4	39.86	19	94.0	A0	GC	19344
46		8.5	19 1.403	-0.0110	25	-72 34 52.43	-0.094	36	1.67	1.958	53	99.5	47.69	63	99.5		M4	3156
47		8.1	19 17.349	0.0113	25	-73 51 1.83	-0.004	36	1.52	16.853	53	04.5	1.63	63	04.5		M4	3157
48		9.6T	19 48.864	-0.0025	13	-74 48 30.14	0.019	12	0.68	48.874	21	01.6	31.12	21	99.2	A0	GC	19376
49		9.0	20 16.515	-0.0032	33	-75 13 8.71	0.092	43	2.31	16.699	75	92.4	13.99	57	92.4		M3	1808
50		8.4	20 26.052	0.0056	25	-75 39 17.86	0.012	36	1.47	25.811	53	06.5	18.37	63	06.5		M4	3162
51		9.0	14 21 18.865	-0.0080	25	-70 41 57.54	-0.057	36	1.77	19.298	53	95.9	54.46	63	95.9		M4	3167
52		6.5T	21 30.681	-0.0379	11	-78 23 40.31	-0.041	11	0.61	32.616	19	98.9	38.09	19	95.4	K0	GC	19415
53		9.0	21 37.547	-0.0249	25	-73 8 33.72	-0.032	36	1.52	38.680	53	04.6	32.28	63	04.6		M4	3168
54		7.4T	21 39.277	0.0161	12	-76 17 39.95	0.002	11	0.63	38.457	19	98.9	40.04	19	96.4	F5	GC	19424
55		9.3	21 58.589	-0.0011	33	-76 59 21.84	0.116	43	2.31	58.650	75	92.5	28.52	57	92.5		M3	1812
56		9.2	22 15.565	0.0145	25	-75 40 16.52	0.061	36	1.50	14.917	53	05.4	18.79	63	05.4		M4	3170
57		8.9	22 49.317	-0.0080	33	-72 9 20.29	0.016	43	2.27	49.768	75	93.4	21.21	57	93.4		M3	1815
58		8.2Q	23 7.289	-0.0192	12	-79 52 45.93	0.025	11	0.64	8.263	22	99.2	47.33	19	95.1	F8	GC	19458
59		8.8Q	23 8.960	-0.0204	13	-79 52 49.06	0.041	14	0.71	9.948	22	01.5	51.07	22	01.5		GC	19459
60		8.9	23 42.509	0.0139	25	-76 56 38.76	0.027	36	1.49	41.889	53	05.5	39.97	63	05.5		M4	3173
61		9.0	23 58.995	0.0061	25	-70 20 46.13	-0.049	36	1.67	58.689	53	99.5	43.66	63	99.5		M4	3180
62		8.6	24 11.354	0.0051	25	-77 55 56.60	0.051	36	1.52	11.121	53	04.5	58.93	63	04.5		M4	3175
63		6.0T	24 15.588	-0.0086	10	-76 30 20.00	-0.030	09	0.54	16.032	19	98.6	18.36	19	94.7	K0	GC	19483
64		8.8	24 16.487	-0.0010	25	-71 22 1.94	-0.006	36	1.39	16.526	53	09.4	1.63	63	09.4		M4	3181
65		8.3	25 8.990	-0.0030	33	-70 0 55.63	-0.002	43	2.25	9.157	63	93.5	55.52	57	93.5		M3	1820
66		8.6	25 19.178	0.0047	25	-78 34 29.95	0.042	36	1.55	18.958	53	03.5	31.92	63	03.5		M4	3179
67		6.9T	26 32.270	0.0027	12	-76 3 8.46	-0.012	10	0.62	32.131	21	97.8	7.79	18	95.8	K0	GC	19529
68		7.7	26 41.615	0.0063	25	-74 10 12.57	-0.040	36	1.91	41.279	89	96.5	10.41	*	96.5		M4	3187
69		8.7	26 47.392	0.0139	33	-79 15 35.06	-0.062	43	2.31	46.593	75	92.4	31.51	57	92.4		M3	1819
70		6.7T	27 24.827	-0.0070	12	-79 44 4.93	-0.012	12	0.66	25.184	19	99.1	4.32	19	96.9	K0	GC	19546
71		8.6	28 32.827	-0.0089	25	-70 23 56.24	-0.031	36	1.67	33.280	53	99.4	54.67	63	99.4		M4	3190
72		9.1	29 4.906	-0.0050	33	-72 20 28.62	0.033	43	2.31	5.193	75	92.4	30.53	57	92.4		M3	1827
73		7.4T	30 21.830	-0.0082	13	-76 53 36.18	-0.040	11	0.65	22.221	21	02.4	34.06	19	96.8	B9	GC	19614
74		6.7T	30 35.594	-0.0020	11	-73 28 31.32	-0.020	10	0.58	35.698	18	97.9	30.22	18	94.5	K5	GC	19619
75		8.1T	31 34.782	-0.0075	12	-79 46 41.70	0.003	11	0.65	35.162	19	99.7	41.88	18	95.9	A2	GC	19640
76		8.6	32 39.809	0.0087	25	-77 47 29.67	0.075	36	1.42	39.422	31	05.5	33.00	36	05.5		M4	3204
77		8.7	34 8.023	-0.0123	25	-73 43 53.85	-0.005	36	1.61	8.621	53	01.5	53.61	63	01.5		M4	3208
78		8.5	34 55.326	0.0003	25	-70 4 31.93	-0.065	36	1.67	55.313	53	99.5	28.65	63	99.5		M4	3211
79		9.1	35 50.753	0.0033	25	-72 27 31.73	0.048	36	1.53	50.602	53	03.5	33.97	53	03.5		M4	3213
80		9.2	35 54.722	-0.0057	25	-72 47 11.57	0.012	36	1.73	55.022	53	97.5	12.22	63	97.5		M4	3214
81		8.1	36 3.224	0.0043	33	-73 36 42.98	-0.064	43	2.27	2.981	75	93.4	39.37	57	93.4		M3	1843
82		6.6Q	36 22.431	-0.0052	09	-76 47 50.68	-0.018	09	0.49	22.689	15	00.4	49.77	15	98.9	B8	GC	19736
83		6.6T	36 37.167	0.0341	14	-74 55 30.13	-0.010	12	0.69	35.517	22	01.6	29.62	21	97.6	G0	GC	19741
84		9.5	36 46.361	-0.0068	25	-70 50 2.43	0.019	36	1.78	46.729	53	95.5	3.48	63	95.5		M4	3218
85		9.2	37 24.188	0.0006	25	-74 38 58.95	0.044	36	1.52	24.122	53	04.6	+ 0.96	63	04.6		M4	3219
86		7.8	38 44.469	-0.0073	25	-77 31 21.37	0.018	36	1.51	44.796	53	05.2	22.19	63	05.2		M4	3221
87		9.4	38 50.059	-0.0207	33	-78 5 51.13	0.055	43	2.31	51.250	75	92.5	54.31	57	92.5		M3	1847
88		8.0	38 54.610	-0.0123	25	-74 46 32.50	-0.022	36	1.37	55.109	45	09.5	31.62	63	09.5		M4	3223
89		7.7	39 8.692	-0.0018	25	-71 16 5.27	-0.028	36	1.45	8.770	45	06.0	4.04	53	06.0		M4	3225
90		9.1	40 1.413	-0.0057	33	-73 9 48.51	0.027	43	2.30	1.740	75	92.6	50.08	57	92.6		M3	1852
91		8.8	40 4.390	0.0042	25	-70 38 25.25	-0.021	36	1.55	4.195	53	03.5	24.27	63	03.5		M4	3229
92		8.8	41 22.749	-0.0108	33	-71 9 8.47	-0.008	43	2.31	23.368	75	92.5	8.02	57	92.5		M3	1858
93		3.8H	41 32.993	-0.0009	02	-78 50 5.63	-0.018	02	0.10	33.028	05	10.0	5.01	05	15.7	K5	F4	542
94		8.8	42 45.911	0.0013	25	-72 59 14.28	-0.073	36	1.70	45.844	53	98.4	10.53	63	98.4		M4	3235
95		7.7	42 59.789	-0.0027	25	-71 51 50.39	-0.037	36	1.55	59.917	53	03.5	48.67	63	03.5		M4	3236
96		9.1	43 17.398	-0.0048	25	-72 33 3.94	0.003	36	1.52	17.615	53	04.5	4.07	63	04.5		M4	3238
97		7.5T	44 3.654	-0.0002	12	-70 23 26.98	-0.022	11	0.65	3.666	21	99.1	25.79	19	96.3	K0	GC	19891
98		9.2	44 7.507	-0.0239	25	-76 47 4.11	-0.043	36	1.38	8.475	53	09.5	2.38	63	09.5		M4	3239
99		9.0	44 8.207	-0.0048	25	-71 17 14.87	-0.019	36	1.76	8.461	53	96.5	13.86	63	96.5		M4	3244
100		8.9	44 23.456	-0.0065	25	-73 42 58.44	0.005	36	1.46	23.745	45	05.5	58.68	53	05.5		M4	3243

-70° 13H

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257200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 14H DM NUMBER
1		9.2	14 44 27.760	-0.0028	25	-70 57 33.47	-0.003	36	1.43	27.877	53	07.8	33.35	63	07.8		M4	3247	P -70 1819
2		6.5T	45 41.417	0.0014	13	-76 58 9.22	0.005	11	0.64	41.351	19	01.8	9.39	19	96.8	A0F	GC	19920	P -76 894
3		8.8Q	45 51.835	-0.0169	13	-70 19 42.21	-0.025	12	0.67	52.684	21	99.9	40.87	19	96.7	F8	GC	19924K	P*-70 1823
4		6.8T	46 11.017	-0.0014	12	-74 43 36.66	-0.008	11	0.61	11.087	19	00.2	36.25	19	96.5	B9	GC	19929K	P -74 1246
5		8.9	47 36.994	-0.0055	25	-74 0 51.54	-0.022	36	1.55	37.248	53	03.5	50.49	63	03.5		M4	3255	P -73 1376
6		5.6T	48 10.754	0.0072	09	-72 59 8.97	0.027	09	0.52	10.379	19	98.0	10.41	18	97.2	G5	GC	19976K	P*-72 1604
7		8.0	49 10.697	-0.0043	25	-75 23 53.15	-0.021	36	1.81	10.934	53	94.5	51.99	63	94.5		M4	3259	P -75 1041
8		7.5T	49 15.418	-0.0038	12	-78 40 45.52	-0.006	11	0.63	15.611	18	99.0	45.20	15	95.3	A0	GC	19994	P -78 917
9		9.0	49 35.592	-0.0084	25	-74 35 44.62	-0.001	36	1.81	36.061	53	94.5	44.58	63	94.5		M4	3262	P -74 1258
10		7.9T	50 43.034	-0.0182	12	-72 57 49.70	-0.063	11	0.66	43.944	22	00.0	46.27	19	95.3	F5	GC	20024	P -72 1616
11		8.2	52 6.672	0.0081	25	-76 55 17.65	0.006	36	1.70	6.256	53	98.5	17.98	63	98.5		M4	3270	P -76 922
12		5.0I	52 6.820	-0.0201	07	-76 27 40.64	-0.015	05	0.27	7.610	09	10.7	40.00	09	08.7	K2	GC	20057V	P*-76 924
13		8.7	52 35.747	0.0031	25	-78 51 26.61	0.000	36	1.52	35.607	53	04.6	26.61	63	04.6		M4	3269	P -78 927
14		9.0	53 10.563	0.0017	25	-75 20 46.47	-0.092	36	1.70	10.476	53	98.5	41.72	63	98.5		M4	3273	P -75 1056
15		9.0	53 29.135	-0.0018	25	-70 43 52.69	-0.084	36	1.67	29.224	53	99.6	48.46	63	99.6		M3	3278	P -70 1874
16		8.9	54 10.680	-0.0073	25	-75 35 23.96	0.019	36	1.42	11.001	36	06.0	24.79	45	06.0		M4	3277	P -75 1061
17		9.0	54 12.079	0.0033	25	-77 44 3.62	0.057	36	1.53	11.924	45	03.0	6.31	53	03.0		M4	3275	P -77 1030
18		6.0T	54 14.929	0.0021	11	-76 57 39.34	0.001	10	0.62	14.819	21	97.4	39.41	19	94.8	K0	GC	20104	P -76 931
19		6.3T	54 28.973	0.0010	14	-74 49 58.73	-0.019	11	0.67	28.925	22	01.5	57.74	21	96.7	B9	GC	20110K	P -74 1281
20		7.6	54 37.095	0.0033	25	-73 35 23.22	-0.010	36	1.70	36.924	53	98.5	22.71	63	98.5		M4	3282	P -73 1408
21		8.2	55 12.183	-0.0035	25	-74 2 40.13	-0.015	36	1.55	12.344	53	03.5	40.85	63	03.5		M4	3285	P -73 1410
22		7.8	55 41.566	0.0063	25	-73 35 45.36	-0.029	36	1.41	41.304	53	08.5	44.17	63	08.5		M4	3287	P -73 1416
23		9.2	55 45.705	-0.0039	25	-77 15 42.02	0.028	36	1.76	45.915	53	96.5	43.53	63	96.5		M4	3283	P -76 939
24		8.2	56 4.178	0.0062	25	-72 31 15.23	0.003	36	1.67	3.863	53	99.4	15.38	63	99.4		M4	3290	P -72 1644
25		6.8T	56 29.347	-0.0019	14	-71 17 35.27	-0.043	11	0.67	29.440	21	02.4	33.04	19	97.9	B8	GC	20164	P -70 1891
26		8.4	57 42.124	0.0042	25	-71 40 28.51	-0.024	36	1.56	41.922	45	02.0	27.36	53	02.0		M4	3296	P -71 1711
27		9.0	57 44.130	-0.0021	25	-79 48 57.18	0.043	36	1.36	44.216	53	09.5	58.94	53	09.5		M4	3288	P -79 793
28		9.2	57 54.166	-0.0124	25	-75 48 16.39	0.041	36	1.17	54.856	89	94.5	18.69	*	94.5		M4	3293	P -75 1079
29		7.6T	58 23.872	0.0058	11	-70 35 27.73	-0.025	10	0.62	23.966	22	97.0	26.38	18	95.5	A2	GC	20198	P -70 1904
30		8.9	58 29.503	0.0047	25	-75 18 56.77	-0.018	36	1.76	29.251	53	96.5	55.80	63	96.5		M4	3299	P -75 1083
31		7.4	59 3.275	-0.0027	25	-77 58 19.40	-0.030	36	1.70	3.415	53	98.5	17.86	63	98.5		M4	3298	P -77 1042
32		8.5	59 52.159	-0.0007	25	-73 40 26.09	0.033	36	1.55	52.191	53	03.5	27.63	63	03.5		M4	3303	P -73 1445
33		8.5	59 54.715	-0.0048	25	-70 38 12.57	-0.041	36	1.52	54.933	53	04.5	10.71	63	04.5		M4	3305	P -70 1913
34		7.4T	15 0 9.258	-0.0063	12	-71 59 41.18	-0.029	11	0.64	9.587	22	98.1	39.65	18	97.0	G5	GC	20230	P -71 1718
35		8.3	0 25.231	0.0075	35	-74 24 4.06	0.017	43	2.27	24.804	75	93.5	4.99	57	93.5		M3	1897	
36		7.9T	1 17.576	-0.0014	13	-70 56 18.89	-0.063	12	0.67	17.642	19	01.1	16.10	19	97.2	B5	GC	20257	P -70 1920
37		7.2T	1 20.669	-0.0032	12	-71 58 34.95	-0.032	12	0.66	20.830	22	00.3	33.26	21	97.0	A0	GC	20259K	P*-71 1722
38		6.5T	2 7.988	0.0070	13	-71 42 43.71	-0.021	12	0.69	7.641	22	00.1	42.57	19	95.7	K5	GC	20280	P -71 1729
39		8.8	2 41.827	-0.0137	25	-70 19 16.36	-0.018	36	1.58	42.479	53	02.5	15.51	63	02.5		M4	3313	P -70 1931
40		7.4T	3 21.990	0.0002	12	-79 25 17.69	0.008	11	0.61	21.981	19	00.6	18.13	19	96.5	F2	GC	20301	P -79 798
41		6.8T	3 55.892	0.0016	14	-72 6 58.41	-0.024	12	0.69	55.816	22	01.5	57.15	21	97.5	B3	GC	20314	P -71 1738
42		7.0T	3 57.435	-0.0033	13	-70 31 8.31	-0.062	12	0.67	57.598	21	00.0	5.56	19	96.8	B9	GC	20317	P -70 1940
43		6.9T	4 29.051	-0.0048	12	-75 16 16.24	-0.026	10	0.63	29.304	21	97.3	14.72	18	91.5	K0	GC	20326	P -74 1318
44		7.2T	5 31.564	-0.0054	12	-71 28 26.70	-0.046	12	0.65	31.845	21	98.5	24.26	19	96.7	K0	GC	20359	P -71 1750
45		8.7	5 40.912	-0.0267	25	-73 40 44.23	-0.215	36	1.81	42.391	53	94.6	32.32	63	94.6		M4	3318	P -73 1478
46		8.8	6 10.534	-0.0057	33	-73 14 11.44	0.043	43	2.31	10.861	75	92.5	13.93	57	92.5		M3	1911	
47		6.1T	7 22.400	-0.0030	12	-72 34 55.34	-0.012	11	0.65	22.554	21	98.6	54.72	18	96.9	A0	GC	20391	P -72 1714
48		8.2	7 34.161	-0.0052	25	-72 41 20.83	0.001	36	1.76	33.881	53	96.5	20.88	63	96.5		M4	3325	P -72 1717
49		9.1	8 11.187	-0.0303	25	-74 53 35.65	-0.006	36	1.47	12.543	45	05.3	35.39	53	05.3		M4	3327	P -74 1339
50		7.8	8 15.300	0.0027	25	-74 43 26.15	-0.034	36	1.39	15.191	53	09.2	24.78	63	09.2		M4	3328	P -74 1340
51		9.0	15 8 33.281	-0.0098	25	-71 3 52.03	-0.077	36	1.78	33.813	53	95.5	47.84	63	95.5		M4	3333	P -70 1972
52		6.6T	8 37.749	-0.0118	10	-78 56 58.17	-0.020	09	0.57	38.394	19	95.5	57.06	19	94.1	K0	GC	20416	P -78 965
53		7.7	8 58.707	0.0027	25	-75 21 46.39	-0.010	36	1.55	58.581	53	03.6	45.93	63	03.6		M4	3330	P -75 1122
54		7.8T	9 19.065	-0.0016	13	-70 22 21.84	-0.005	12	0.67	18.988	22	00.6	21.57	21	97.3	A3	GC	20430	P*-70 1977
55		7.3T	10 9.585	-0.0013	11	-77 15 6.92	0.017	11	0.59	9.652	19	98.9	7.85	19	96.2	K0	GC	20450	P -76 994
56		9.0	10 13.725	-0.0148	25	-70 31 11.56	0.004	36	1.67	14.471	53	99.5	11.76	63	99.5		M4	3340	P -70 1984
57		7.0T	10 23.041	-0.0327	13	-70 19 54.41	-0.171	12	0.67	24.662	22	00.5	45.38	21	97.2	K0	GC	20455	P -70 1985
58		6.7T	11 5.447	0.0023	13	-70 13 40.53	-0.041	13	0.69	5.335	22	00.5	38.45	22	99.5	F0	GC	20470	P -69 2281
59		8.5	11 46.400	0.0013	25	-73 29 41.81	-0.061	36	1.69	46.333	53	98.6	39.21	63	98.6		M4	3346	P -73 1499
60		7.0T	11 56.570	0.0078	10	-78 17 19.05	0.005	09	0.56	56.150	21	95.9	19.33	19	94.0	F0	GC	20487	P -78 972
61		8.9	12 23.563	-0.0009	25	-78 49 48.86	-0.012	36	1.70	23.609	53	98.5	48.25	63	98.5		M4	3343	P -78 973
62		8.9	13 7.351	-0.0027	25	-72 29 49.31	-0.058	36	1.64	7.486	53	00.6	46.44	63	00.6		M4	3352	P -72 1737
63		7.5	14 7.436	-0.0149	25	-75 8 47.52	-0.114	36	1.72	8.217	53	97.5	41.56	63	97.5		M4	3353	P -74 1362
64		6.5T	14 22.429	-0.0030	14	-71 36 37.10	-0.032	12	0.68	22.575	21	02.3	35.45	19	98.3	M0	GC	20641	P -71 1792
65		9.1	14 56.707	0.0061	25	-77 20 10.96	-0.012	36	1.55	56.425	53	03.6	10.41	63	03.6		M4	3354	P -77 1088
66		8.8	16 23.829	-0.0053	25	-75 23 50.59	-0.023	36	1.80	24.122	45	94.5	49.32	63	94.5		M4	3362	P -75 1140
67		8.6	16 34.359	-0.0129	25	-77 21 0.93	-0.023	36	1.52	34.946	53	04.5	59.89	63	04.5		M4	3361	P -77 1092
68		6.6T	16 53.729	-0.0028	13	-74 13 11.92	-0.015	12	0.67	53.873	19	99.4	11.10	19	97.0	A0	GC	20594	P -73 1527
69		9.5	17 6.162	0.0063	25	-76 34 11.47	-0.017	36	1.46	5.889	53	06.8	10.76	63	06.8		M4	3363	P -76 1010
70		8.7	18 1.886	-0.0085	25	-73 54 43.66	-0.032	36	1.67	2.314	53	99.5	42.07	63	99.5		M4	3370	P -73 1540
71		7.2T	18 52.843	-0.0016	14	-76 20 50.01	-0.013	11	0.62	52.916	18	04.6	49.37	17	02.5	B9	GC	20647	P -76 1020
72		7.0T	19 43.508	-0.0159	13	-71 8 45.60	-0.077	12	0.65	44.266	21	02.2	41.58	19	97.7	K0	GC	20669	P -70 2026
73		7.2T	19 45.089	0.0027	12	-71 52 9.75	-0.013	11	0.62	44.954	19	99.0	9.06	18	95.9	A0	GC	20670	P -71 1813
74		7.7T	20 40.797	-0.0054	12	-79 7 52.68	0.047	11	0.63	41.057	21	01.5	55.19	19	96.7	K2	GC	20689	P -78 994
75		9.1	21 5.433	-0.0007	25	-70 29 10.87	-0.041	36	1.67	5.470	53	99.5	8.80	63	99.5		M4	3382	P -70 2037
76		9.2	21 22.795	-0.0004	25	-74 29 4.30	0.022	36	1.61	22.816	53	01.5	5.34	63	01.5		M4	3379	P -74 1393
77		8.8	21 36.217	-0.0507	25	-71 50 59.19	-0.238	36	1.64	38.726	53	00.6	47.42	63	00.6		M4	3384	P -71 1827
78		8.5	21 55.251	-0.0067	25	-73 40 13.32	-0.050	36	1.58	55.568	53	02.6	10.95	63	02.6		M4	3383	P -73 1559
79		8.7	22 18.779	-0.0158	25	-72 39 19.80	-0.014	36	1.70	19.590	53	98.5	19.08	63	98.5		M4	3386	P -72 1790
80		8.0T	24 14.638	-0.0013	11	-78 34 47.23	-0.041	11	0.61	14.702	19	99.8	45.08	19	97.3	F2	GC	20759	P -78 1005
81		9.0	24 19.341	-0.0048	25	-71 14 55.24	-0.054	36	1.78	19.599	53	95.6	52.31	63	95.6		M4	3394	P -70 2056
82		8.9	24 40.503	0.0037	25	-75 24 32.53	-0.048	36	1.72	40.309	53	97.5	30.01	63	97.5		M4	3392	P -75 1174
83		8.6	25 11.661	-0.0017	33	-70 13 19.89	-0.011	43	2.31	11.761	75	92.5	20.52	57	92.5		M3	1943	
84		6.7T	25 37.498	0.0001	13	-71 28 57.49	-0.022	12	0.67	37.491	22	00.4	56.34	21	97.1	B8	GC	20789	P -71 1852
85		9.2	25 38.263	-0.0037	25	-70 3 59.32	-0.023	36	1.53	38.434	53	04.2	58.26	63	04.2		M4	3401	P -69 2370
86		8.6	25 41.746	0.0046	25	-74 37 8.77	-0.023	36	1.69	41.512	53	98.6	7.61	63	98.6		M4	3398	P -74 1409
87		9.1	25 58.405	-0.0039	25	-77 20 45.07	-0.024	36	1.76	58.615	53	96.5	43.80	63	96.5		M4	3396	P -77 1123
88		8.9	25 58.646	-0.0139	25	-76 48 57.68	0.026	36	1.47	59.268	45	05.3	58.85	53	05.3		M4	3397	P -76 1044
89		5.6H	26 1.065	0.0008	03	-73 13 7.26	-0.019	03	0.12	1.039	06	16.5	6.62	06	16.5	B5F	F4	567	P -72 1802
90		7.0T	26 20.144	-0.0071	14	-70 53 29.34	-0.029	12	0.70	20.494	21	00.4	27.82	19	97.4	B8	GC	20810	P -70 2069
91		8.9T	27 28.973	-0.0129	14	-74 10 34.97	-0.185	13	0.71	29.586	24	02.7	25.69	21	99.7	K0	GC	20831	P -73 1590
92		8.0	27 43.479	0.0083	25	-73 22 29.15	-0.027	36	1.38	43.143	53	09.5	28.07	63	09.5		M4	3406	P -73 1593
93		7.8T	28 48.835	-0.0012	13	-78 55 6.16	0.020	12	0.66	48.895	19	00.7	7.23	17	96.7	A0	GC	20858	P -78 1014
94		8.6	30 2.714	-0.0037	25	-79 26 28.27	0.024	36	1.70	2.906	53	98.5	29.48	63	98.5		M4	3409	P -79 851
95		8.2T	30 7.121	-0.0217	12	-78 42 39.38	-0.040	11	0.63	8.242	19	98.4	37.21	19	95.3	F2	GC	20889	P -78 1020
96		7.4T	30 46.364	-0.0058	12	-72 40 23.30	-0.008	12	0.66	46.661	21	99.1	22.88	19	96.5	B9	GC	20903	P -72 1820
97		9.9Q	30 49.317	0.0031	14	-74 11 23.27	-0.004	14	0.73	49.170	22	02.0	23.09	22	00.4		GC	20906K	P -73 1607
98		9.4Q	30 50.459	-0.0048	14	-74 11 16.72	0.060	15	0.73	50.691	22	02.0	19.61	22	02.1	F5	GC	20907K	P*-73 1607
99		7.9	30 54.745	-0.0105	25	-71 3 3.82	-0.064	36	1.78	55.316	53	95.5	0.34	63	95.5		M4	3419	P -70 2090
00		9.2	31 53.982	0.0105	25	-71 44 59.13	-0.019	36	1.59	53.466	45	01.1	58.20	53	01.1		M4	3420	P -71 1889

257300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER
1		7.2T	15 32 10.804	-0.0083	13	-78 4 14.02	-0.056	12	0.68	11.225	21	99.3	11.04	19	96.3	A2	GC	20934
2		7.9T	32 13.931	-0.0017	13	-74 15 21.73	-0.004	12	0.69	13.848	22	99.9	21.54	21	97.4	K0	GC	20936
3		6.0T	32 35.351	-0.0215	09	-77 45 8.91	-0.131	08	0.52	36.548	21	94.3	1.40	19	92.9	K2	GC	20948
4		7.6T	33 44.551	0.0001	13	-72 8 3.28	-0.022	12	0.69	44.545	22	00.5	2.13	21	97.4	A0	GC	20971K
5		9.0	34 6.194	-0.0035	25	-70 50 46.16	-0.025	36	1.42	6.348	36	05.9	45.06	45	05.9		M4	3429
6		7.9T	34 39.704	0.0031	12	-74 16 51.52	-0.025	12	0.66	39.546	19	98.7	50.21	19	96.9	B9	GC	20998
7		5.8T	34 45.861	-0.0026	07	-73 17 3.30	-0.028	06	0.29	45.968	12	08.9	2.07	12	06.0	B8	GC	21003K
8		6.5T	35 7.781	-0.0064	14	-70 3 53.64	-0.047	12	0.70	8.098	21	00.6	51.14	18	96.9	A2	GC	21008
9		8.0T	35 41.394	-0.0014	12	-71 35 1.04	-0.031	12	0.64	41.461	21	01.9	59.45	19	98.4	B9	GC	21023
10		6.0T	35 42.445	-0.0000	09	-75 55 13.76	-0.034	07	0.50	42.446	21	93.7	11.73	18	90.7	A0	GC	21025
11		8.6	37 56.465	-0.0004	25	-79 33 54.69	0.003	36	1.44	56.481	53	07.6	54.80	63	07.6		M4	3432
12		7.5T	38 25.526	0.0011	13	-70 6 27.25	-0.037	10	0.64	25.472	22	00.6	25.19	21	94.5	A0	GC	21080
13		8.0T	39 15.740	0.0143	12	-70 8 9.98	0.033	12	0.66	15.026	22	00.0	11.71	21	97.5	G0	GC	21099
14		9.0	39 20.750	0.0012	25	-75 45 35.77	0.027	36	1.54	20.693	53	03.9	37.00	63	03.9		M4	3443
15		7.7	39 40.656	-0.0128	25	-74 41 54.75	-0.012	36	1.41	41.202	45	07.3	54.25	53	07.3		M4	3446
16		8.9	40 1.751	0.0048	25	-76 53 18.73	-0.032	36	1.49	1.531	45	04.6	17.26	53	04.6		M4	3444
17		7.6	40 16.480	0.0047	33	-72 8 57.88	-0.035	43	2.27	16.214	75	93.5	55.91	57	93.5		M3	1972
18		9.1	40 22.030	-0.0089	25	-77 48 25.22	0.039	36	1.70	22.489	53	98.5	27.25	63	98.5		M4	3445
19		8.7	41 28.232	-0.0004	25	-70 32 39.38	-0.072	36	1.64	28.251	53	00.6	35.82	63	00.6		M4	3453
20		9.0	43 29.815	0.0020	33	-74 6 45.04	0.092	43	2.31	29.697	75	92.4	50.36	57	92.4		M3	1980
21		8.8	43 38.968	0.0002	25	-74 49 58.18	-0.018	36	1.39	38.959	45	08.1	57.43	53	08.1		M4	3456
22		8.8	43 48.466	-0.0053	25	-70 44 1.03	-0.068	36	1.81	48.762	53	94.6	56.16	63	94.6		M4	3460
23		8.5	44 2.070	-0.0053	25	-72 34 59.02	-0.048	36	1.49	2.306	53	05.6	56.87	63	05.6		M4	3459
24		8.8	44 42.340	-0.0090	25	-73 50 37.80	-0.056	36	1.57	42.779	36	01.0	35.08	45	01.0		M4	3462
25		8.8	44 46.354	-0.0053	25	-78 33 47.43	0.020	36	1.70	46.625	53	98.5	48.44	63	98.5		M4	3455
26		8.1T	45 8.867	0.0010	12	-79 15 10.16	-0.010	11	0.65	8.815	21	99.6	9.63	19	95.0	A0	GC	21228
27		8.5	46 21.966	-0.0123	25	-71 0 31.58	-0.005	36	1.81	22.650	53	94.5	31.31	63	94.5		M4	3470
28		9.2	46 43.056	0.0028	25	-73 27 7.23	-0.036	36	1.38	42.943	53	09.6	5.78	63	09.6		M4	3467
29		8.1T	46 51.382	-0.0140	13	-78 0 33.69	-0.003	12	0.68	52.074	22	00.6	33.50	21	96.9	B9	GC	21265
30		8.7	47 6.572	-0.0073	33	-70 18 44.41	0.033	43	2.31	6.994	75	92.5	46.30	57	92.5		M3	1988
31		7.4T	48 36.068	-0.0029	13	-77 35 3.25	-0.006	13	0.69	36.209	21	01.5	2.98	21	99.8	K0	GC	21298
32		7.8	48 37.754	0.0177	25	-71 31 40.14	-0.004	36	1.55	36.933	53	03.5	40.33	63	03.5		M4	3478
33		8.3T	49 11.033	-0.0010	10	-72 28 52.65	-0.011	10	0.57	11.086	21	96.4	52.04	19	93.8	B9	GC	21315
34		9.0	49 57.500	-0.0082	33	-77 4 38.20	-0.004	43	2.30	57.969	75	92.6	36.79	57	92.6		M3	1990
35		8.6	49 58.882	-0.0028	25	-74 51 7.76	-0.010	36	1.72	59.028	53	97.6	7.24	63	97.6		M4	3480
36		9.2	50 24.309	-0.0169	25	-74 34 3.66	-0.032	36	1.51	25.073	53	04.9	2.22	63	04.9		M4	3482
37		8.0	50 50.543	-0.0022	25	-72 39 17.59	-0.011	36	1.39	50.634	53	09.6	17.13	53	08.1		M4	3483
38		8.2	51 0.182	-0.0034	25	-70 39 4.07	-0.057	36	1.49	0.332	53	05.6	1.54	63	05.6		M4	3485
39		10.5T	51 20.589	0.0111	25	-78 24 30.58	-0.049	17	0.99	20.114	25	07.2	28.24	25	02.8		GC	21351
40		8.3T	52 44.686	0.0015	13	-73 0 15.50	-0.033	12	0.64	44.615	19	92.1	13.82	19	98.9	B8	GC	21376
41		6.5T	52 52.433	-0.0053	10	-77 52 58.73	-0.049	09	0.57	52.744	15	91.4	55.82	14	91.3	F5	GC	21380K
42		9.0T	54 6.405	-0.0075	12	-70 57 43.93	-0.024	11	0.63	6.770	21	01.6	42.63	19	95.4	A2	GC	21406
43		7.8T	54 11.352	-0.0089	13	-70 58 10.56	-0.052	12	0.67	11.803	21	99.5	7.80	19	96.8	G5	GC	21410
44		8.3	54 17.811	-0.0143	25	-78 34 7.23	-0.075	36	1.52	18.458	53	04.6	3.81	63	04.6		M4	3490
45		7.5T	54 54.111	0.0006	12	-75 28 40.59	0.000	11	0.65	54.080	21	98.6	40.60	19	95.4	A0	GC	21425
46		9.2	54 58.195	-0.0121	25	-79 26 3.01	0.077	36	1.60	58.776	53	01.9	6.73	63	01.9		M4	3492
47		6.6T	55 11.973	-0.0043	13	-72 19 16.91	-0.057	12	0.67	12.184	22	00.6	13.91	21	97.3	K2	GC	21434
48		8.3	55 31.476	-0.0001	25	-77 20 13.57	0.029	36	1.47	31.483	45	05.3	14.89	53	05.3		M4	3496
49		8.6	55 38.290	-0.0013	25	-71 46 47.98	-0.019	36	1.47	38.346	53	06.6	47.16	63	06.6		M4	3503
50		6.7T	56 28.081	-0.0029	12	-73 22 27.72	-0.065	11	0.64	28.230	21	98.7	24.15	19	95.0	A3	GC	21460
51		8.6	15 56 47.557	-0.0169	25	-74 25 17.91	-0.212	36	1.75	48.462	53	96.6	6.60	63	96.6		M4	3508
52		9.0	57 14.653	-0.0013	25	-72 37 39.26	-0.015	36	1.67	14.719	53	99.6	40.00	63	99.6		M4	3510
53		9.1	57 18.123	-0.0073	25	-71 9 33.16	-0.023	36	1.81	18.529	53	94.6	51.89	63	94.6		M4	3512
54		7.7T	58 33.257	-0.0040	12	-77 5 58.58	-0.007	11	0.64	33.463	19	97.9	58.22	19	95.1	K2	GC	21511
55		9.0	58 44.656	0.0029	25	-79 7 22.68	-0.120	36	1.52	44.522	53	04.6	17.25	63	04.6		M4	3509
56		9.1	16 0 0.675	-0.0030	25	-73 46 39.96	0.014	36	1.57	0.820	36	01.1	40.67	45	01.1		M4	3518
57		5.7T	0 19.322	-0.0064	07	-72 15 57.25	-0.072	08	0.34	19.533	14	10.7	+ 0.20	14	09.1	K0	GC	21557
58		7.6T	0 40.892	-0.0067	12	-76 7 14.75	-0.018	11	0.65	41.236	21	98.7	13.72	19	96.0	K2	GC	21566
59		7.7T	1 19.492	-0.0082	13	-77 9 16.81	-0.027	12	0.68	19.901	22	00.4	15.75	19	96.1	B9	GC	21585
60		7.5T	1 36.210	-0.0024	12	-77 6 17.25	0.002	12	0.67	36.329	22	99.5	17.28	21	97.0	K0	GC	21592
61		9.0	1 39.629	-0.0108	25	-74 42 17.95	-0.102	36	1.52	40.120	53	04.6	13.33	63	04.6		M4	3524
62		9.1	2 14.393	-0.0109	33	-78 27 25.12	-0.006	43	2.27	15.008	75	93.6	25.09	57	93.6		M3	2014
63		7.1T	2 25.065	-0.0036	12	-71 48 36.07	-0.013	12	0.66	25.247	21	99.4	35.38	19	96.8	F0	GC	21657
64		8.7	2 29.663	0.0000	33	-74 2 18.57	-0.043	43	2.30	29.660	75	92.6	16.12	57	92.6		M3	2020
65		8.6	2 49.175	-0.0013	25	-70 40 50.46	0.006	36	1.64	49.241	53	00.6	50.77	63	00.6		M4	3526
66		7.4T	3 51.095	-0.0402	12	-70 55 54.75	-0.392	11	0.66	53.123	22	99.6	33.32	19	95.3	G5	GC	21638
67		8.0T	4 19.784	0.0034	13	-72 53 37.11	0.022	11	0.68	19.605	26	96.9	38.27	18	97.6	G5	GC	21656
68		7.8T	6 9.445	-0.0090	14	-75 9 48.24	-0.033	12	0.70	9.881	22	01.2	46.46	19	95.7	A3	GC	21704
69		9.0	6 11.473	-0.0043	33	-70 3 53.44	-0.034	43	2.31	11.722	75	92.5	51.48	57	92.5		M3	2025
70		8.1	7 12.034	0.0007	25	-71 26 46.88	-0.009	36	1.48	12.002	36	03.9	46.47	45	03.9		M4	3532
71		9.0	7 56.459	-0.0113	25	-72 35 43.74	0.016	36	1.65	57.024	53	00.0	44.53	63	00.0		M4	3535
72		8.1	8 13.440	0.0911	25	-76 33 44.48	0.004	36	1.64	8.937	53	00.6	44.67	63	00.6		M4	3530
73		9.1	8 57.189	0.0007	25	-71 30 18.78	-0.013	36	1.55	57.159	53	03.6	18.18	63	03.6		M4	3539
74		8.4	9 15.983	-0.0039	25	-78 0 26.68	0.022	36	1.37	16.145	45	08.6	27.61	53	08.6		M4	3534
75		9.0	10 36.316	-0.0016	25	-75 10 23.01	-0.045	36	1.68	36.490	45	98.6	20.71	63	98.6		M4	3543
76		7.3T	11 46.406	0.0001	11	-70 52 3.81	-0.001	09	0.59	46.403	21	98.3	3.76	19	93.5	A2	GC	21842
77		8.2	11 57.052	-0.0022	25	-77 1 17.54	0.022	36	1.67	57.161	53	99.6	18.68	63	99.6		M4	3546
78		8.9	12 22.586	0.0157	25	-70 38 34.74	-0.026	36	1.60	21.833	53	01.9	33.50	63	01.9		M4	3554
79		6.9T	12 33.737	-0.0024	12	-72 55 13.42	-0.013	12	0.66	33.860	22	99.4	12.74	21	97.1	A0	GC	21856
80		4.8H	12 48.049	-0.0017	02	-78 34 25.65	-0.037	02	0.11	48.127	05	03.1	24.02	05	06.0	M3	F4	1424
81		5.2T	12 54.659	0.0004	06	-78 32 44.26	-0.024	04	0.22	54.644	07	11.0	43.26	07	07.7	K5	GC	21865
82		9.0	13 1.115	-0.0048	25	-74 56 22.60	-0.044	36	1.72	1.365	53	97.6	20.31	63	97.6		M4	3553
83		8.3	13 36.078	-0.0132	25	-79 42 39.63	-0.044	36	1.38	36.611	53	09.6	37.84	63	09.6		M4	3549
84		7.4T	14 9.961	0.0089	13	-74 11 6.65	-0.014	11	0.64	9.524	22	00.6	7.38	24	98.8	K0	GC	21890
85		8.1	14 14.352	-0.0006	25	-77 34 39.08	-0.003	36	1.47	14.374	45	05.4	38.92	53	05.1		M4	3557
86		7.6	14 18.582	-0.0023	25	-71 19 42.33	-0.035	36	1.74	18.705	53	96.9	40.48	63	96.9		M4	3561
87		9.0	15 26.777	-0.0023	25	-72 32 2.23	-0.028	36	1.66	26.893	53	99.6	0.81	63	99.6		M4	3565
88		8.1T	15 58.963	-0.0004	13	-75 33 37.43	0.005	12	0.65	58.980	21	01.9	37.67	19	98.6	G5	GC	21928
89		7.2T	16 0.070	-0.0073	12	-71 45 17.08	-0.039	09	0.60	0.441	22	99.2	14.86	19	93.1	A0	GC	21929
90		7.0T	16 19.637	-0.0001	14	-75 51 21.42	0.003	12	0.69	19.643	21	01.5	21.57	19	97.2	K5	GC	21938
91		8.9	17 41.369	-0.0063	33	-71 13 41.11	0.018	43	2.30	41.732	75	92.6	42.16	57	92.6		M3	2051
92		8.5	18 14.371	-0.0008	25	-74 45 4.70	-0.009	36	1.44	14.406	36	06.2	4.31	53	05.8		M4	3570
93		8.9	18 42.611	-0.0109	25	-78 27 2.17	-0.066	36	1.47	43.100	45	05.2	59.19	53	05.2		M4	3569
94		6.9T	18 43.263	-0.0019	13	-70 1 41.22	-0.045	08	0.61	43.358	22	00.4	38.61	19	92.1	K0	GC	21998
95		8.0	18 58.057	-0.0083	25	-72 28 15.69	-0.048	36	1.75	58.499	53	96.6	13.13	63	96.6		M4	3573
96		8.8	19 30.745	0.0008	25	-73 24 39.97	-0.005	36	1.61	30.706	53	01.6	39.74	63	01.6		M4	3574
97		9.0	19 38.583	0.0017	25	-70 50 45.53	-0.045	36	1.64	38.501	53	00.6	43.32	63	00.6		M4	3577
98		7.4	21 10.573	0.0057	25	-71 39 17.20	-0.001	36	1.41	10.337	53	08.6	17.16	63	08.6		M4	3582
99		8.4T	21 52.978	-0.0037	13	-72 58 26.85	-0.004	13	0.71	53.162	21	00.6	26.65	21	99.2	A0	GC	22060
00		7.9T	22 5.242	-0.0031	13	-72 54 34.25	0.009	12	0.68	5.399	22	99.8	34.74	19	96.5	G5	GC	22065

-70° 15H

DM NUMBER
F -77 1133
F -74 1436
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F -72 1946
F -72 1947

257400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 16H DM NUMBER
1		9.1	16 23 20.513	0.0047	25	-71 45 33.88	-0.026	36	1.47	20.309	53	06.6	32.76	63	06.6		M4	3588	P -71 2010
2		7.3T	23 30.226	-0.0077	12	-75 5 43.34	-0.020	12	0.67	30.625	19	98.4	42.27	18	95.7	K2	GC	22105	P -74 1546
3		7.1T	23 42.818	-0.0065	13	-71 0 46.53	-0.028	12	0.67	43.147	21	99.6	45.06	19	97.0	F5	GC	22109	P -70 2233
4		9.2	23 52.336	-0.0043	25	-72 16 30.57	0.048	36	1.38	52.509	53	09.6	32.51	63	09.6		M4	3591	P -72 1950
5		8.9	24 30.019	0.0018	25	-73 20 25.97	-0.025	36	1.72	29.925	53	97.6	24.67	63	97.6		M4	3593	P -73 1730
6		8.2	25 30.728	-0.0237	25	-76 24 3.11	-0.129	36	1.66	31.916	53	99.9	-56.63	63	99.9		M4	3595	P -76 1163
7		3.9H	25 42.782	-0.0404	02	-78 47 20.30	-0.069	02	0.09	44.350	04	11.2	17.77	04	13.2	K0	F4	611	P -78 1103
8		7.7T	26 28.924	0.0096	12	-75 50 36.53	0.033	11	0.65	28.446	21	00.1	38.30	19	95.9	A0	GC	22164	P -75 1312
9		5.6T	28 46.484	-0.0048	09	-70 52 59.67	-0.026	07	0.34	46.666	14	12.4	58.62	14	09.3	K0	GC	22212	P -70 2256
10		8.9	29 4.206	-0.0089	25	-77 38 21.97	0.017	36	1.51	4.608	53	04.9	22.76	63	04.9		M4	3603	P -77 1216
11		7.7T	29 30.933	-0.0039	12	-77 14 29.73	-0.068	11	0.65	31.138	19	98.0	25.98	19	95.3	A5	GC	22231	P -77 1217
12		8.6	29 48.028	-0.0023	33	-72 6 39.07	-0.021	43	2.27	48.157	75	93.6	37.89	57	93.6		M3	2080	
13		6.7T	30 6.764	0.0010	12	-71 47 24.89	-0.023	12	0.66	6.717	22	00.3	23.65	21	97.0	A0	GC	22243	P -71 2038
14		8.9	31 29.873	0.0036	25	-78 28 0.32	0.020	36	1.45	29.718	53	07.0	1.17	63	07.0		M4	3609	P -78 1106
15		8.6	31 51.582	0.0026	25	-78 28 31.45	0.002	36	1.45	51.470	53	07.0	31.52	63	07.0		M4	3612	P -78 1107
16		9.2	32 32.451	0.0056	33	-78 12 45.51	0.053	43	2.30	32.129	75	92.6	48.54	57	92.6		M3	2082	
17		8.0T	32 35.849	-0.0013	11	-75 23 17.23	0.009	10	0.61	35.918	21	96.7	17.71	19	93.9	A0	GC	22298	P -75 1320
18		9.0	32 47.682	-0.0028	25	-72 43 22.66	-0.007	36	1.50	47.558	53	05.2	22.33	63	05.2		M4	3618	P -72 1965
19			34 14.592	-0.0013	25	-71 11 32.42	0.014	36	1.75	14.663	53	96.6	33.14	63	96.6		M4	3623V	P*-71 2052
20		6.5T	34 56.833	-0.0017	12	-78 55 38.86	0.013	11	0.63	56.922	21	97.5	39.57	18	94.1	K2	GC	22348	P -78 1110
21		6.7T	34 57.781	0.0014	12	-72 12 9.98	0.007	12	0.66	57.713	22	00.3	10.33	21	97.0	K0	GC	22349K	P -72 1971
22		8.5	35 14.597	-0.0106	25	-77 27 1.16	0.052	36	1.72	15.152	53	97.6	3.87	63	97.6		M4	3621	P -77 1219
23		8.3	35 26.952	0.0002	25	-74 44 41.37	-0.000	36	1.50	26.943	53	04.6	41.35	53	04.6		M4	3624	P -74 1557
24		4.2T	35 53.074	-0.0859	03	-77 25 0.28	-0.347	03	0.15	56.861	06	05.9	-43.79	06	02.5	K0	GC	22370K	P*-77 1221
25		9.0	36 45.263	-0.0068	25	-72 22 12.99	-0.013	36	1.49	45.566	53	05.5	12.40	63	05.5		M4	3629	P -72 1974
26		7.4T	37 9.058	-0.0005	13	-70 29 6.45	-0.048	08	0.59	9.083	22	00.5	3.81	19	94.5	A0	GC	22403	P -70 2284
27		8.7	37 48.417	-0.0029	25	-71 18 23.05	-0.015	36	1.75	48.571	53	96.6	22.24	63	96.6		M4	3631	P -71 2061
28		8.6	38 39.487	0.0015	25	-75 23 0.11	0.035	36	1.55	39.417	53	03.5	1.72	63	03.5		M4	3630	P -75 1324
29		7.7T	39 41.045	-0.0097	13	-71 44 53.35	-0.060	12	0.65	40.564	22	00.6	56.37	19	99.3	G0	GC	22472	P -71 2065
30		9.1	40 48.280	-0.0099	25	-70 36 5.06	-0.020	36	1.49	48.732	45	04.4	4.13	53	04.4		M4	3637	P -70 2301
31		8.7	40 53.598	0.0051	25	-79 16 16.75	-0.005	36	1.50	53.370	53	05.2	16.52	63	05.2		M4	3632	P -79 906
32		9.2	42 13.364	-0.0049	33	-70 53 2.01	-0.069	43	2.31	13.646	75	92.6	-58.03	57	92.5		M3	2110	
33		8.5	43 13.704	0.0087	25	-74 42 18.40	-0.018	36	1.38	13.351	53	09.6	17.67	63	09.6		M4	3644	P -74 1567
34		9.0	44 27.437	0.0036	25	-74 27 8.84	-0.027	36	1.44	27.285	53	07.6	7.70	63	07.6		M4	3649	P -74 1569
35		9.0	44 30.585	-0.0145	25	-75 32 47.24	-0.098	36	1.50	31.252	45	04.1	42.76	53	04.1		M4	3648	P -75 1329
36		9.3	45 16.023	-0.0046	25	-76 22 37.23	0.021	36	1.69	16.258	53	98.6	38.32	63	98.6		M4	3650	P -76 1174
37		7.0T	45 34.390	-0.0015	12	-73 38 13.12	-0.007	12	0.67	34.464	22	99.5	12.75	21	96.3	A0	GC	22607	P -73 1759
38		9.3	47 34.666	-0.0230	25	-76 43 32.21	-0.014	36	1.49	35.688	53	05.6	31.58	63	05.6		M4	3655	P -76 1176
39		9.2	47 46.079	-0.0019	25	-71 27 2.44	-0.021	36	1.56	46.166	53	03.2	1.45	63	03.2		M4	3659	P -71 2085
40		7.4T	48 19.419	0.0011	14	-70 5 17.08	0.006	16	0.75	19.367	22	02.3	17.39	22	02.4	B8	GC	22674	P -69 2642
41		8.4	49 7.225	0.0033	25	-73 2 1.08	0.038	36	1.52	7.077	53	04.5	2.80	63	04.5		M4	3664	P -72 2000
42		9.1	49 29.173	-0.0132	33	-74 57 55.71	0.099	43	2.30	29.932	75	92.6	+ 1.39	57	92.6		M3	2124	
43		7.9T	49 32.754	-0.0035	12	-79 59 33.18	0.015	12	0.67	32.931	21	99.0	33.98	19	96.8	A0	GC	22704	P -79 908
44		8.6	49 32.877	-0.0178	25	-72 45 1.82	-0.221	36	1.73	33.813	53	97.3	-50.16	63	97.3		M4	3667	P -72 2002
45		8.0	50 29.872	0.0014	25	-76 20 20.75	-0.060	36	1.66	29.800	53	99.7	17.74	63	99.7		M4	3666	P -76 1182
46		6.6T	51 20.718	-0.0023	14	-71 1 55.84	-0.033	12	0.69	20.607	22	01.7	54.09	21	97.2	A2	GC	22763	P -70 2326
47		8.2	52 31.256	-0.0046	25	-75 43 48.22	-0.006	36	1.60	31.488	36	00.1	47.93	45	00.1		M4	3672	P -75 1335
48		7.0T	53 45.673	-0.0034	11	-73 20 47.10	-0.005	10	0.59	45.497	22	97.9	46.82	21	95.5	B9	GC	22823K	P*-73 1775
49		7.0H	53 59.779	-0.0090	04	-76 8 29.21	-0.157	03	0.15	+ 0.099	08	14.3	23.60	07	14.2	F8	F4	1443	P -76 1186
50		8.7	54 46.039	0.0030	25	-77 27 7.81	-0.002	36	1.38	45.918	53	09.6	7.72	63	09.6		M4	3677	P -77 1233
51		9.0	16 55 14.027	-0.0059	25	-79 23 46.77	0.003	36	1.48	14.305	31	03.2	46.90	36	03.2		M4	3676	P -79 911
52		8.6	55 17.066	-0.0042	25	-74 52 5.28	-0.046	36	1.75	17.293	53	96.6	2.82	63	96.6		M4	3682	P -74 1586
53		7.7T	55 53.800	-0.0082	12	-78 0 23.23	0.006	11	0.64	54.212	22	99.5	23.48	19	99.2	A0	GC	22877	P -77 1235
54		9.0	56 3.866	-0.0061	25	-78 30 55.94	-0.027	36	1.66	4.180	45	98.6	54.55	53	98.6		M4	3681	P -78 1120
55		8.9	56 10.720	0.0082	33	-72 0 26.89	-0.049	43	2.30	10.251	75	92.6	24.06	57	92.6		M3	2146	
56		7.2T	56 27.812	-0.0033	12	-72 32 8.94	-0.019	10	0.63	27.981	21	98.1	7.87	18	94.2	K0	GC	22889	P -72 2014
57		8.6	57 8.343	-0.0020	25	-76 51 0.76	-0.053	36	1.72	8.450	53	97.6	-57.97	63	97.6		M4	3686	P -76 1188
58		9.1	57 40.706	-0.0046	25	-75 51 57.66	0.031	36	1.55	40.920	53	03.6	59.11	63	03.6		M4	3690	P -75 1343
59		8.5	58 36.690	0.0052	25	-72 19 2.65	-0.098	36	1.38	36.481	53	09.6	-58.68	63	09.6		M4	3695	P -72 2020
60		7.0T	17 0 21.486	-0.0006	12	-76 9 18.17	-0.056	12	0.66	21.516	21	99.6	15.18	19	96.5	A0	GC	22988	P -76 1194
61		8.2	1 21.806	-0.0078	25	-72 30 24.91	-0.043	36	1.52	22.162	53	04.6	22.98	63	04.6		M4	3700	P -72 2025
62		9.0	1 29.818	-0.0009	25	-70 36 11.30	-0.014	36	1.66	29.865	53	99.6	10.58	63	99.6		M4	3702	P -70 2351
63		9.1	2 17.953	-0.0059	25	-70 56 6.32	-0.056	36	1.75	18.269	53	96.6	3.31	63	96.6		M4	3704	P -70 2354
64		7.4T	2 49.517	0.0080	13	-74 59 56.23	0.028	11	0.65	49.123	22	00.6	57.69	18	97.7	K0	GC	23054	P -74 1599
65		7.4T	3 33.912	0.0013	13	-75 18 45.46	0.035	12	0.67	33.848	22	00.6	47.28	21	97.3	F2	GC	23074	P -75 1348
66		8.6	3 49.641	-0.0009	25	-71 36 55.54	0.012	36	1.42	49.676	36	06.0	56.05	45	06.0		M4	3708	P -71 2113
67		8.6	4 7.228	0.0013	25	-73 31 8.32	0.007	36	1.55	7.168	53	03.6	8.63	63	03.6		M4	3707	P -73 1793
68		8.3	4 12.947	0.0011	33	-70 17 4.96	-0.043	43	2.27	12.885	75	93.6	2.56	57	93.6		M3	2162	
69		8.0	4 29.289	-0.0128	25	-78 24 25.11	-0.097	36	1.44	29.829	53	07.6	20.99	63	07.6		M4	3705	P -78 1124
70		7.8T	4 57.261	-0.0046	13	-72 47 22.85	-0.065	12	0.67	57.488	21	00.1	19.41	19	97.2	F5	GC	23109	P -72 2032
71		9.0	5 22.898	-0.0046	33	-76 2 26.38	0.058	43	2.30	23.162	75	92.6	29.72	57	92.6		M3	2161	
72		6.3T	6 39.546	0.0101	11	-70 39 32.73	-0.081	11	0.60	39.032	21	99.1	28.44	19	97.2	K0	GC	23140	P -70 2361
73		8.1	6 40.396	0.0042	25	-72 36 14.14	-0.041	36	1.75	40.170	53	96.6	11.94	63	96.6		M4	3711	P -72 2039
74		7.4T	7 26.702	0.0085	12	-78 20 24.20	0.015	11	0.64	26.253	18	96.9	25.03	15	94.1	F2	GC	23157	P -78 1126
75		9.0	8 24.593	-0.0044	25	-74 30 46.48	-0.099	36	1.49	24.788	53	05.6	42.09	63	05.6		M4	3714	P -74 1608
76		8.8	8 48.619	0.0135	25	-75 25 27.00	-0.001	36	1.72	47.912	53	97.6	26.92	63	97.6		M4	3716	P -75 1361
77		8.8	9 46.176	-0.0039	33	-71 12 7.86	-0.053	43	2.30	46.399	75	92.6	4.81	57	92.6		M3	2172	
78		6.4T	10 6.210	-0.0029	11	-74 28 33.32	-0.058	12	0.63	6.361	22	98.1	30.27	21	97.3	A0	GC	23219	P -74 1610
79		8.0T	10 15.826	0.0001	12	-72 29 57.17	0.009	11	0.63	15.822	19	00.5	57.63	18	96.7	K2	GC	23226	P -72 2047
80		8.4	11 40.364	-0.0219	25	-78 49 29.31	-0.060	36	1.66	41.466	53	99.6	26.28	63	99.6		M4	3722	P -78 1128
81		9.2	12 3.018	-0.0079	25	-71 6 36.36	-0.014	36	1.63	3.414	45	99.8	35.65	53	99.8		M4	3734	P -71 2128
82		8.6	12 45.428	0.0143	25	-73 28 3.29	-0.061	36	1.52	44.779	53	04.6	0.51	63	04.6		M4	3735	P -73 1816
83		7.8T	13 15.377	0.0027	14	-74 33 10.85	-0.044	12	0.72	15.239	22	99.4	8.44	19	95.4	F0	GC	23301	P -74 1617
84		7.5T	13 22.364	0.0091	13	-79 0 48.84	0.031	11	0.68	21.885	18	97.4	50.56	17	94.0	A5	GC	23303	P -78 1129
85		8.0	13 34.655	-0.0044	33	-74 16 52.84	-0.018	43	2.27	34.905	75	93.6	51.83	57	93.6		M3	2180	
86		8.3	15 11.258	-0.0069	25	-78 40 32.12	-0.089	36	1.51	11.567	53	05.0	28.10	63	05.0		M4	3737	P -78 1130
87		9.2	15 26.979	-0.0050	25	-76 56 36.25	-0.001	36	1.81	27.258	53	94.7	36.18	63	94.7		M4	3743	P -76 1201
88		8.5	15 38.191	0.0004	25	-76 26 3.77	-0.034	36	1.41	38.173	53	08.6	2.38	63	08.6		M4	3744	P -76 1203
89		7.0T	15 40.339	-0.2528	12	-75 17 40.85	-0.202	10	0.60	52.956	18	00.1	30.09	17	96.8	G0	GC	23366	P*-75 1368
90		8.0	16 2.422	0.0074	25	-76 18 7.36	-0.027	36	1.38	2.122	53	09.6	6.28	63	09.6		M4	3746	P -76 1204
91		5.6H	16 30.473	0.0008	03	-70 4 26.01	-0.015	02	0.11	30.445	05	15.0	25.50	05	15.3	B8	F4	642	P -69 2719
92		7.2T	16 52.967	-0.0141	12	-70 23 33.75	-0.049	12	0.67	53.686	22	99.0	31.16	21	96.7	K0	GC	23394	P -70 2371
93		8.5	18 2.693	-0.0152	25	-74 59 46.42	-0.044	36	1.43	3.332	53	08.0	44.57	63	08.0		M4	3748	P -74 1622
94		8.9	18 50.270	0.0041	25	-70 35 15.73	-0.012	36	1.47	50.084	36	04.2	15.18	45	04.2		M4	3760	P -70 2373
95		9.1	19 55.559	0.0101	25	-79 0 25.82	-0.046	36	1.55	55.090	53	03.6	23.68	63	03.6		M4	3752	P -78 1131
96		8.6	20 2.624	-0.0037	25	-73 6 27.41	-0.044	36	1.75	2.824	53	96.6	25.05	63	96.6		M4	3762	P -73 1827
97		9.3	20 29.172	-0.0078	33	-72 1 36.37	0.021	43	2.27	29.623	57	92.6	37.55	53	92.6		M3	2199	
98		8.5	20 59.987	0.0170	25	-77 28 38.17	-0.015	36	1.61	59.164	53	01.6	37.44	63	01.6		M4	3761	P -77 1249
99		9.1	22 7.236	-0.0040	33	-77 1 21.28	0.018	43	2.30	7.467	75	92.6	22.30	57	92.6		M3	2198	
00		8.9	22 20.266	0.0021	25	-71 36 55.79	0.036	36	1.66	20.158	53	99.6	57.58	63	99.6		M4	3768	P -71 2148

257500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — -70° 17H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.8	17 22 47.165	0.0022	25	-72 33 22.96	-0.057	36	1.55	47.061	53	03.6	20.31	63	03.6		M4	3769	P -72 2060
2		7.3T	23 9.751	-0.0015	12	-70 35 31.72	-0.037	11	0.62	9.827	19	00.4	29.73	19	96.5	K0	GC	23587	P -70 2380
3		9.2	23 26.856	0.0041	25	-71 42 8.36	-0.009	36	1.75	26.635	53	96.6	7.87	63	96.6		M4	3775	P -71 2150
4		8.5	23 26.925	-0.0057	25	-73 6 31.34	-0.114	36	1.61	27.213	36	99.7	25.61	45	99.7		M4	3771	P -73 1834
5		8.4	23 36.615	-0.0292	25	-74 52 2.57	0.048	36	1.72	38.147	53	97.6	5.08	63	97.6		M4	3770	P -74 1629
6		8.8	25 41.927	-0.0019	25	-71 9 57.94	0.032	36	1.43	42.006	53	08.0	59.27	63	08.0		M4	3781	P -71 2153
7		8.1	25 53.469	0.0103	25	-73 31 45.82	0.007	36	1.61	52.971	53	01.6	46.15	63	01.6		M4	3779	P -73 1838
8		8.3	26 10.424	-0.0168	25	-73 5 57.42	-0.006	36	1.52	11.185	53	04.7	57.14	63	04.7		M4	3778	P -73 1153
9		9.0	26 20.522	-0.0013	25	-74 43 14.44	0.004	36	1.52	20.580	45	03.6	14.62	53	03.6		M4	3780	P -74 1631
10		8.5	28 50.090	-0.0030	25	-76 50 34.83	0.007	36	1.39	50.215	53	09.2	35.11	63	09.2		M4	3783	P -76 1212
11		9.1	30 8.734	-0.0051	25	-78 44 30.78	0.018	36	1.42	8.960	36	06.1	31.56	45	06.1		M4	3784	P -78 1135
12		8.7	31 37.892	-0.0038	25	-73 20 32.48	0.018	36	1.49	38.061	53	05.6	33.30	63	05.6		M4	3795	P -73 1846
13		7.5T	31 43.898	0.0005	12	-74 52 51.91	-0.005	11	0.65	43.874	21	01.2	51.67	19	97.8	A0	GC	23812	P -74 1637
14		8.5	31 46.953	0.0070	25	-71 18 47.52	0.014	36	1.58	46.620	53	02.7	48.20	63	02.7		M4	3799	P -71 2161
15		8.7	32 0.435	0.0021	25	-72 41 54.37	-0.070	36	1.45	0.343	53	06.9	51.37	63	06.9		M4	3796	P -72 2074
16		8.9	32 12.231	0.0062	33	-73 1 20.73	0.003	43	2.30	11.763	75	92.6	20.92	57	92.6		M3	2219	
17		7.4T	33 21.637	0.0022	13	-70 39 54.96	0.011	12	0.70	21.527	21	99.3	55.56	19	96.6	A2	GC	23849	P -70 2397
18		8.2	33 51.209	0.0004	25	-73 40 57.83	-0.045	36	1.72	51.186	53	97.3	55.42	53	97.1		M4	3805	P -73 1849
19		8.5	34 25.624	-0.0043	25	-79 27 7.40	0.033	36	1.49	25.819	45	04.6	8.89	53	04.6		M4	3797	P -79 926
20		6.8T	35 20.261	-0.0078	12	-78 40 3.93	0.015	10	0.61	20.646	21	00.4	4.76	19	95.7	K2	GC	23895	P -78 1142
21		7.2T	36 10.252	0.0011	14	-73 22 1.84	-0.032	12	0.71	10.198	22	01.2	0.18	19	97.5	A0	GC	23912	P -73 1852
22		8.3	37 7.968	-0.0009	25	-75 59 29.26	0.002	36	1.49	8.008	45	04.6	29.34	53	04.6		M4	3815	P -75 1391
23		8.0	37 24.878	0.0029	25	-77 19 50.17	-0.027	36	1.38	24.762	53	09.6	49.08	63	09.6		M4	3813	P -77 1263
24		9.2	37 47.622	-0.0008	25	-71 26 55.92	-0.029	36	1.75	47.663	53	96.6	54.39	63	96.6		M4	3818	P -71 2165
25		6.7T	38 18.389	0.0020	13	-72 11 59.18	0.113	09	0.62	18.290	21	99.9	+ 5.69	18	92.5	F5	GC	23971K	P+ -72 2086
26		9.0	41 15.571	-0.0063	33	-73 57 9.56	-0.031	43	2.30	15.935	75	92.6	7.76	57	92.6		M3	2242	
27		7.7T	42 42.291	0.0090	13	-76 11 4.07	-0.039	11	0.67	41.840	21	99.7	1.93	19	95.4	K0	GC	24087	P -76 1220
28		8.7	42 50.389	-0.0001	25	-77 34 21.11	-0.008	36	1.60	50.392	53	01.7	20.74	63	01.7		M4	3827	P -77 1269
29		8.7	42 56.389	-0.0026	25	-73 6 27.82	-0.028	36	1.75	56.530	53	96.6	26.35	63	96.6		M4	3831	P -73 1863
30		7.3T	43 18.613	0.0020	13	-71 4 42.01	-0.010	12	0.67	18.514	22	00.6	41.50	21	97.6	A0	GC	24103	P -71 2173
31		7.1T	43 52.644	0.0044	11	-76 2 30.46	-0.058	11	0.62	52.416	21	97.7	27.24	19	94.7	K0	GC	24120	P -76 1222
32		8.7	44 52.827	0.0088	25	-79 1 46.51	-0.044	36	1.39	52.469	53	09.2	44.73	63	09.2		M4	3830	P -78 1150
33		8.2	45 19.998	-0.0230	25	-77 52 59.42	0.055	36	1.55	21.060	53	03.7	+ 1.99	63	03.7		M4	3833	P -77 1271
34		8.2	46 20.566	-0.0241	25	-75 0 13.03	-0.370	36	1.44	21.588	53	07.6	-57.37	63	07.6		M4	3840	P -74 1659
35		8.3	47 18.612	-0.0217	33	-75 13 23.84	-0.122	43	2.27	19.838	75	93.6	16.97	57	93.6		M3	2257	
36		8.5	48 3.962	0.0010	25	-77 32 55.68	-0.031	36	1.72	3.916	53	97.6	54.08	63	97.6		M4	3844	P -77 1276
37		8.7	48 19.705	-0.0018	25	-76 25 19.64	0.018	36	1.49	19.785	53	05.6	20.43	63	05.6		M4	3845	P -76 1225
38		8.0	48 36.652	0.0094	25	-73 27 49.88	-0.045	36	1.49	36.235	53	05.7	47.91	63	05.7		M4	3849	P -73 1864
39		9.3	49 38.026	0.0128	33	-79 5 51.77	0.043	43	2.30	37.292	75	92.6	54.25	57	92.6		M3	2258	
40		8.9	49 47.297	0.0073	25	-72 40 47.00	-0.175	36	1.38	47.000	53	09.6	39.95	63	09.6		M4	3855	P -72 2122
41		8.4T	50 18.747	-0.0130	11	-72 18 11.55	-0.047	11	0.60	19.398	19	00.0	9.07	18	97.0	F0	GC	24303	P -72 2125
42		6.1T	50 36.558	0.0035	13	-76 10 13.78	0.019	11	0.66	36.367	22	00.8	14.75	19	98.2	K2	GC	24315K	P -76 1226
43		9.0	50 59.805	-0.0117	25	-75 13 36.70	0.037	36	1.50	+ 0.330	53	05.3	38.36	63	05.3		M4	3856	P -75 1400
44		7.0T	51 29.200	-0.0012	12	-71 5 10.22	-0.135	12	0.66	29.260	22	99.5	3.04	21	96.7	K0	GC	24337	P -71 2215
45		6.8T	51 37.176	0.0007	12	-77 49 6.68	0.014	11	0.64	37.137	22	99.0	7.45	21	96.6	K0	GC	24341	P -77 1277
46		9.0	51 42.455	-0.0113	33	-76 58 26.00	0.003	43	2.30	43.104	75	92.6	26.20	57	92.6		M3	2263	
47		9.2	53 2.416	0.0078	25	-74 31 19.19	-0.023	36	1.42	2.090	53	08.3	18.25	63	08.3		M4	3865	P -74 1662
48		8.4	54 48.107	0.0042	25	-70 19 0.43	-0.014	36	1.55	47.913	53	03.7	1.08	63	03.7		M4	3873	P -70 2458
49		8.7	54 50.121	-0.0014	25	-73 40 41.35	-0.069	36	1.43	50.179	53	07.7	38.41	63	07.7		M4	3870	P -73 1872
50		9.0	54 53.210	-0.0028	25	-70 35 36.42	-0.050	36	1.52	53.341	45	03.6	34.11	53	03.6		M4	3874	P -70 2459
51		8.7	17 55 23.806	-0.0272	25	-78 42 5.60	-0.070	36	1.46	25.017	45	05.5	2.50	53	05.5		M4	3868	P -78 1154
52		8.5	55 59.639	0.0072	25	-71 19 43.92	-0.022	36	1.78	59.246	53	95.6	42.74	63	95.6		M4	3875	P -71 2234
53		8.6	56 2.722	-0.0153	25	-77 16 0.94	0.109	36	1.72	3.522	53	97.6	6.66	63	97.7		M4	3871	P -77 1283
54		8.0T	56 16.390	0.0064	12	-75 41 20.30	-0.047	13	0.68	16.072	22	00.4	17.95	22	00.3	A3	GC	24469	P -75 1403
55		8.5	56 56.337	0.0052	25	-75 7 34.61	-0.087	36	1.60	56.084	53	01.7	30.42	63	01.7		M4	3876	P -75 1405
56		8.1T	58 37.874	0.0011	12	-72 57 11.20	-0.017	11	0.64	37.819	21	98.3	10.29	19	95.0	A3	GC	24519	P -72 2166
57		9.1	58 38.627	-0.0053	25	-76 33 19.89	-0.039	36	1.73	38.907	53	97.3	17.86	63	97.3		M4	3879	P -76 1228
58		8.4	58 44.125	-0.0037	25	-72 22 6.21	-0.038	36	1.75	44.324	53	96.6	4.20	63	96.6		M4	3883	P -72 2168
59		7.5T	59 37.968	0.0015	12	-74 0 27.39	0.029	12	0.66	37.894	22	99.6	28.89	21	97.4	A0	GC	24547	P -73 1881
60		9.0	59 53.729	-0.0210	25	-77 30 40.22	-0.070	36	1.55	54.705	53	03.7	37.00	63	03.7		M4	3882	P -77 1284
61		8.5	59 57.470	0.0102	25	-70 14 0.45	-0.059	36	1.40	57.049	53	08.7	-58.01	63	08.7		M4	3891	P -70 2483
62		9.0T	18 1 14.054	0.0031	12	-73 6 10.45	0.057	13	0.66	13.897	19	98.8	13.33	21	99.8	G0	GC	24593	P -73 1883
63		6.9T	1 49.692	0.0035	12	-75 6 39.82	-0.022	10	0.61	49.510	22	98.6	38.63	18	95.3	K5	GC	24606	P+ -75 1408
64		8.7	1 56.546	-0.0052	25	-78 59 34.49	0.008	36	1.72	56.819	53	97.6	34.93	63	97.6		M4	3888	P -78 1156
65		9.2	2 56.812	-0.0018	25	-70 16 37.83	-0.051	36	1.66	56.903	53	99.6	35.26	63	99.6		M4	3898	P -70 2492
66		7.9Q	3 47.421	0.0041	13	-75 11 46.69	0.004	12	0.67	47.215	22	00.4	46.91	21	97.2	A0	GC	24666K	P+ -75 1409
67		9.2T	3 47.849	0.0010	14	-75 11 59.94	0.005	14	0.73	47.803	24	02.2	+ 0.19	22	01.3	A	GC	24668K	P -75 1409
68		7.7T	3 59.633	0.0029	14	-71 39 12.55	-0.056	12	0.70	59.488	21	00.6	9.60	19	97.0	F2	GC	24672	P -71 2257
69		5.7M	4 16.036	0.0035	04	-75 53 48.32	-0.290	03	0.12	15.930	06	19.6	39.19	05	18.6	K5	F4	678	P -75 1410
70		8.8	4 58.266	0.0067	25	-77 18 40.75	-0.066	36	1.74	57.909	53	97.0	37.27	63	97.0		M4	3900	P -77 1286
71		5.9T	6 13.389	-0.0110	13	-73 40 47.73	-0.229	11	0.64	13.929	18	00.8	35.82	15	98.1	F5	GC	24731K	P -73 1888
72		7.3T	6 49.923	-0.0005	12	-75 33 44.37	0.014	11	0.60	49.947	22	99.3	45.07	19	99.4	A0	GC	24745	P -75 1413
73		7.9T	8 10.130	0.0047	13	-76 40 48.09	0.028	13	0.69	9.898	22	00.8	49.54	21	99.1	F2	GC	24782K	P+ -76 1232
74		7.6T	8 10.755	0.0082	12	-77 5 17.53	0.004	11	0.60	10.353	19	01.0	17.77	18	96.7	A0	GC	24784	P -77 1289
75		7.0T	8 39.060	-0.0027	10	-70 45 54.08	-0.017	09	0.57	39.209	21	95.1	53.07	18	89.6	B9	GC	24796	P -70 2507
76		7.2T	10 1.739	0.0083	12	-76 35 57.65	-0.058	12	0.62	1.351	21	03.2	54.77	19	00.0	K0	GC	24832	P -76 1234
77		8.5T	10 27.174	0.0079	12	-70 39 37.40	0.010	14	0.66	26.794	21	01.8	37.88	22	03.3	K0	GC	24846	P -70 2516
78		8.9	11 6.349	0.0019	25	-74 46 37.04	0.000	36	1.72	6.251	53	97.7	37.07	63	97.7		M4	3916	P -74 1674
79		8.6	12 37.510	0.0059	25	-77 41 29.22	0.030	36	1.47	37.244	45	05.2	30.58	53	05.2		M4	3920	P -77 1292
80		8.8	12 42.040	-0.0036	25	-73 5 34.70	-0.124	36	1.59	42.213	53	02.4	28.81	63	02.4		M4	3923	P -73 1893
81		9.2	13 5.683	-0.0058	25	-71 22 2.31	-0.006	36	1.65	5.972	53	00.0	2.03	63	00.0		M4	3924	P -71 2287
82		8.6	14 32.435	0.0039	25	-74 41 42.50	-0.025	36	1.72	32.234	53	97.7	41.21	63	97.7		M4	3936	P -74 1677
83		8.3	14 52.841	-0.0023	25	-74 23 45.14	-0.115	36	1.55	52.947	53	03.7	39.80	63	03.7		M4	3927	P -74 1678
84		5.6T	16 52.945	0.0014	05	-75 4 8.55	0.032	06	0.26	52.879	09	04.6	10.02	10	04.3	A0	GC	24999	P+ -75 1417
85		9.0	16 55.722	0.0034	33	-73 2 21.28	0.149	43	2.31	55.528	75	92.5	29.86	57	92.5		M3	2318	
86		9.0	17 1.052	0.0117	33	-74 4 42.69	-0.061	43	2.27	0.394	75	93.6	46.11	57	93.6		M3	2317	
87		7.3T	17 27.921	-0.0022	13	-79 57 13.35	-0.012	13	0.69	28.031	22	00.4	12.72	22	99.3	M0	GC	25016	P -79 952
88		9.1	17 44.116	-0.0040	25	-78 23 50.56	-0.063	36	1.44	44.293	45	06.2	47.81	53	06.2		M4	3932	P -78 1166
89		9.2	17 55.799	0.0052	33	-71 4 34.91	-0.078	43	2.30	55.500	75	92.6	30.45	57	92.6		M3	2321	
90		7.2T	18 32.233	-0.0057	14	-79 17 46.99	-0.017	09	0.65	32.513	22	01.3	46.04	19	92.7	K2	GC	25042	P -79 955
91		8.7	20 19.800	0.0052	25	-70 34 28.87	-0.007	36	1.56	19.557	53	03.0	28.55	53	02.2		M4	3947	P -70 2544
92		7.9	20 57.777	-0.0052	33	-78 38 16.42	-0.021	43	2.26	58.067	75	93.7	15.25	57	93.7		M3	2322	
93		6.7T	21 3.971	0.0026	12	-77 23 41.93	-0.030	12	0.66	3.834	21	97.8	40.33	19	95.8	K0	GC	25107	P -77 1298
94		9.5	21 54.667	-0.0122	25	-78 42 5.93	-0.079	36	1.34	55.159	45	09.7	2.75	53	09.7		M4	3944	P -78 1170
95		8.2	22 17.572	0.0016	25	-73 33 55.67	-0.020	36	1.67	17.489	45	98.7	54.63	53	98.5		M4	3951	P -73 1906
96		8.5T	23 50.166	0.0030	15	-71 32 4.64	-0.156	13	0.76	50.012	19	99.2	-56.38	18	97.0	F8	GC	25161	P -71 2314
97		9.2	24 1.111	0.0023	25	-75 26 0.89	0.051	36	1.52	1.005	45	03.4	3.28	53	03.4		M4	3954	P -75 1421
98		9.0	24 13.723	0.0064	25	-73 21 0.45	0.021	36	1.38	13.465	53	09.7	1.32	63	09.7		M4	3959	P -73 1909
99		9.0	24 15.637	-0.0007	25	-75 26 51.17	0.046	36	1.52	15.670	45	03.4	53.32	53	03.4		M4	3955	P -75 1422
00		8.9	24 41.735	-0.0007	25	-72 28 8.81	-0.016	36	1.52	41.767	53	04.7	8.10	63	04.7		M4	3962	P -72 2255

257600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 18H DM NUMBER
1		5.9T	18 26 30.800	0.0040	06	-74 0 1.88	-0.108	06	0.26	30.634	07	08.2	-57.14	07	06.3	K2	GC	25223	F -74 1682
2		9.4	27 37.687	0.0198	25	-78 45 14.46	-0.028	36	1.43	36.848	53	07.7	13.29	63	07.7		M4	3967	F -78 1174
3		7.2T	27 52.492	0.0006	08	-71 48 22.62	0.000	08	0.53	52.458	18	88.9	22.63	18	88.7	F0	GC	25266	F -71 2326
4		9.1	28 16.367	0.0091	25	-75 41 31.18	0.027	36	1.72	15.889	53	97.7	32.58	63	97.7		M4	3972	F -75 1423
5		7.5T	29 13.605	-0.0016	11	-71 21 44.23	-0.072	10	0.60	13.687	22	98.2	40.55	19	98.7	K2	GC	25298	F -71 2330
6		9.0	29 15.436	-0.0143	25	-77 21 28.35	0.031	36	1.48	16.083	45	04.7	29.77	53	04.7		M4	3974	F -77 1301
7		7.6T	30 34.581	-0.0143	13	-72 49 45.12	-0.078	11	0.66	35.297	22	00.1	49.18	18	98.0	K2	GC	25325	F -72 2271
8		8.9	31 5.124	-0.0021	25	-74 25 15.30	-0.043	36	1.75	5.237	53	96.7	13.01	63	96.7		M4	3982	F -74 1687
9		8.0	31 43.511	-0.0001	25	-76 32 28.56	-0.034	36	1.72	43.514	53	97.6	26.76	63	97.6		M4	3981	F -76 1243
10		8.5	31 53.697	0.0043	25	-70 33 21.98	-0.082	36	1.55	53.498	53	03.7	18.18	63	03.7		M4	3986	F -70 2565
11		8.7	31 55.303	-0.0046	33	-72 1 0.37	0.014	43	2.27	55.563	75	93.6	1.15	57	93.6		M3	2349	
12		7.2T	33 5.004	0.0074	12	-70 16 42.91	-0.010	12	0.66	4.631	22	99.7	42.36	21	96.8	K5	GC	25400	F -70 2568
13		9.3	33 23.573	-0.0015	25	-72 59 28.38	0.001	36	1.72	23.652	53	97.0	28.42	53	96.9		M4	3991	F -73 1913
14		7.2T	33 25.996	0.0023	13	-70 50 51.81	-0.041	12	0.66	25.885	21	01.9	49.71	19	98.8	K0	GC	25408	F -70 2570
15		6.8T	35 17.013	0.0091	12	-78 6 48.59	0.020	12	0.66	16.561	22	00.2	49.66	21	96.8	F5	GC	25468	F -78 1180
16		9.1	35 19.500	0.0124	33	-76 8 29.67	0.015	43	2.30	18.788	75	92.6	30.52	53	92.6		M3	2353	
17		9.1	35 46.493	0.0030	25	-74 30 45.72	0.008	36	1.47	46.362	53	06.2	46.07	63	06.2		M4	3996	F -74 1691
18		8.4	36 41.695	-0.0008	25	-72 31 56.36	0.018	36	1.66	41.734	53	99.7	57.27	63	99.7		M4	4001	F -72 2294
19		7.4T	36 52.297	0.0037	13	-70 21 2.75	-0.007	12	0.66	52.120	19	02.3	2.37	19	98.3	A0	GC	25514	F -70 2576
20		4.1H	37 12.297	0.0016	02	-71 28 28.15	-0.158	02	0.10	12.229	04	07.2	22.19	06	12.2	K0	F4	698	F -71 2353
21		7.9	37 22.143	-0.0009	33	-71 20 14.60	-0.042	43	2.26	22.192	75	93.7	12.24	57	93.7		M3	2359	
22		8.3	37 53.618	-0.0157	25	-79 16 30.61	0.113	36	1.48	54.350	31	03.3	35.91	36	03.3		M4	3997	F -79 963
23		9.0	38 39.784	-0.0017	25	-76 12 18.72	0.040	36	1.68	39.694	45	97.9	20.78	53	97.9		M4	4005	F -76 1256
24		9.1	39 54.639	-0.0064	25	-77 31 32.67	0.046	36	1.72	54.976	53	97.6	35.09	63	97.6		M4	4009	F -77 1315
25		6.3T	40 10.041	-0.0027	14	-77 55 22.41	0.192	12	0.70	10.177	19	00.1	32.64	18	96.8	G0	GC	25593	F -77 1314
26		6.8T	40 10.164	-0.0121	12	-72 51 53.12	-0.067	11	0.64	10.789	19	98.6	49.51	18	96.1	F2	GC	25594	F -72 2300
27		9.0	40 54.548	0.0096	25	-74 23 57.98	0.007	36	1.50	54.108	45	04.2	58.32	53	04.2		M4	4021	F -74 1702
28		8.9	41 33.072	-0.0055	25	-78 44 6.21	-0.073	36	1.43	33.305	53	07.7	3.13	63	07.7		M4	4015	F -78 1185
29		9.5	43 12.631	0.0036	25	-78 15 17.32	-0.028	36	1.55	12.465	53	03.7	16.03	63	03.7		M4	4022	F -78 1197
30		6.2T	43 35.380	0.0015	09	-73 3 4.89	0.025	09	0.55	35.297	17	93.7	6.35	15	91.8	A0	GC	25701K	P*-73 1939
31		9.2	44 35.856	-0.0093	25	-74 31 36.89	-0.221	36	1.72	36.341	53	97.7	25.33	63	97.7		M4	4029	F -74 1709
32		8.2	45 47.309	0.0113	25	-77 6 57.63	-0.047	36	1.46	46.820	53	06.7	55.61	63	06.7		M4	4030	F -77 1321
33		8.5	45 52.836	-0.0017	25	-73 7 50.29	0.002	36	1.68	52.925	45	98.2	50.40	53	98.2		M4	4036	F -73 1947
34		9.0	46 23.547	0.0086	25	-77 32 40.42	-0.004	36	1.48	23.161	45	04.9	40.25	53	04.9		M4	4032	F -77 1322
35		8.7	46 44.085	-0.0027	33	-79 54 29.50	0.004	43	2.30	44.237	75	92.7	29.75	57	92.7		M3	2371	
36		7.1T	46 57.334	0.0038	13	-73 41 23.14	-0.009	12	0.67	57.144	22	00.4	22.68	21	97.3	B8	GC	25800	F -73 1950
37		7.4T	47 5.347	0.0014	12	-75 1 6.42	-0.000	11	0.67	5.271	19	97.5	6.42	18	94.6	A0	GC	25806	F -75 1436
38		9.1	48 11.794	-0.0069	25	-71 14 57.15	-0.017	36	1.66	12.140	53	99.7	56.30	63	99.7		M4	4043	F -71 2357
39		8.0	49 49.645	0.0001	25	-71 7 49.42	0.003	36	1.43	49.640	53	07.7	49.55	63	07.7		M4	4049	F -71 2358
40		7.8	50 30.624	0.0041	25	-70 33 2.01	-0.011	36	1.49	30.443	53	05.6	1.52	63	05.6		M4	4051	F -70 2588
41		8.9	50 33.443	0.0013	25	-72 54 32.72	0.043	36	1.75	33.375	53	96.7	35.02	63	96.7		M4	4050	F -72 2315
42		9.2	52 27.479	0.0198	25	-74 50 56.76	-0.102	36	1.71	26.434	45	97.2	45.37	53	97.2		M4	4052	F -74 1719
43		6.7T	52 43.434	0.0102	11	-75 27 26.63	0.011	12	0.62	42.900	21	97.6	27.22	19	96.8	K2	GC	25957	F -75 1448
44		6.7T	53 52.651	0.0027	11	-70 32 7.27	-0.124	09	0.57	52.510	19	97.2	0.18	18	92.8	A5	GC	25998	F -70 2593
45		6.9T	54 5.667	0.0068	13	-72 0 2.47	-0.008	10	0.64	5.328	21	99.9	2.01	19	94.1	B9	GC	26003	F -72 2323
46		8.1T	54 10.076	0.0029	14	-71 36 9.18	0.001	12	0.70	9.932	21	01.0	9.23	19	97.7	A0	GC	26007	F -71 2360
47		7.9	54 12.155	-0.0155	25	-79 17 3.76	0.055	36	1.54	12.899	36	02.1	6.40	45	02.1		M4	4053	F -79 985
48		7.8	56 33.243	-0.0043	25	-76 11 10.29	-0.102	36	1.72	33.466	53	97.7	4.93	63	97.7		M4	4068	F -76 1293
49		8.8	56 41.086	0.0001	25	-70 7 44.45	0.012	36	1.43	41.082	53	07.7	44.95	63	07.7		M4	4074	F -70 2596
50		8.7	57 56.369	0.0133	25	-73 23 8.18	0.045	36	1.51	55.771	53	05.0	10.21	63	05.0		M4	4078	F -73 1973
51		8.4	18 58 56.516	-0.0024	33	-73 51 6.80	0.087	43	2.30	56.656	75	92.7	11.81	57	92.7		M3	2402	
52		9.2	59 1.356	0.0033	25	-77 7 14.73	0.012	36	1.60	1.196	53	01.7	15.32	63	01.7		M4	4077	F -77 1337
53		9.3	59 43.637	0.0047	25	-74 26 24.03	-0.043	36	1.38	43.447	53	09.7	22.30	63	09.7		M4	4084	F -74 1738
54		8.7	59 50.599	-0.0043	25	-75 26 3.14	0.045	36	1.74	50.828	53	97.0	5.52	63	97.0		M4	4083	F -75 1457
55		8.5	19 0 0.739	-0.0009	25	-70 8 33.77	-0.045	36	1.40	0.776	53	08.7	31.90	63	08.7		M4	4089	F -70 2598
56		7.4T	0 26.093	0.0062	13	-74 49 59.77	-0.001	12	0.67	25.785	21	99.9	59.72	19	96.6	B9	GC	26193	F -74 1739
57		8.8	0 39.905	0.0021	25	-71 39 29.44	0.005	36	1.43	39.810	36	05.7	29.66	45	05.7		M4	4090	F -71 2363
58		8.7	2 4.145	0.0143	25	-73 23 17.08	0.013	36	1.52	3.498	53	04.7	17.68	63	04.7		M4	4093	F -73 1982
59		7.9	2 49.313	0.0104	25	-79 34 16.34	-0.006	36	1.55	48.832	53	03.7	16.09	63	03.7		M4	4088	F -79 995
60		8.5	2 55.363	0.0186	25	-78 8 18.88	-0.055	36	1.59	54.478	53	02.4	16.27	63	02.4		M4	4092	F -78 1211
61		7.0T	3 46.816	-0.0235	10	-76 28 58.70	-0.084	11	0.59	48.080	19	96.3	54.19	19	96.6	K0	GC	26289	F -76 1308
62		6.8T	4 22.249	-0.0013	09	-71 37 45.63	0.001	09	0.55	22.317	21	95.9	45.68	19	92.3	K0	GC	26309	F -71 2366
63		8.5	4 48.364	-0.0028	25	-72 14 41.40	0.037	36	1.48	48.491	45	04.9	43.06	53	04.9		M4	4100	F -72 2338
64		8.7	5 15.745	0.0145	25	-78 41 12.47	-0.012	36	1.60	15.021	36	00.1	11.88	45	00.1		M4	4097	F -78 1215
65		6.9T	5 37.654	0.0048	13	-77 56 50.16	0.011	12	0.68	37.416	21	00.2	50.78	17	95.2	K2	GC	26344	F -78 1217
66		9.1	6 12.021	-0.0049	33	-70 53 29.34	-0.119	43	2.30	12.301	75	92.7	22.51	57	92.7		M3	2423	
67		7.5T	7 10.118	0.0048	14	-77 7 56.83	0.034	12	0.68	9.888	21	02.2	58.60	19	98.3	A3	GC	26394	F -77 1347
68		8.3	7 10.403	0.0093	25	-73 23 56.41	-0.016	36	1.46	9.989	45	05.4	55.70	53	05.4		M4	4108	F -73 1992
69		8.6	7 21.927	-0.0085	33	-79 6 46.12	-0.045	43	2.26	22.407	75	93.7	43.59	57	93.7		M3	2419	
70		9.0	8 21.935	0.0023	33	-72 55 10.42	-0.013	43	2.30	21.805	75	92.6	9.68	57	92.6		M3	2429	
71		6.8H	9 36.923	0.0011	06	-75 53 13.32	-0.015	04	0.17	36.892	10	22.3	12.90	09	22.9	A2	F4	1499	F -76 1319
72		8.2	10 2.406	0.0121	25	-71 13 36.89	-0.103	36	1.51	1.861	53	05.0	32.25	63	05.0		M4	4120	F -71 2368
73		9.1	10 8.189	0.0032	25	-72 40 15.48	0.020	36	1.52	8.041	53	04.7	16.39	63	04.7		M4	4119	F -72 2347
74		8.5	10 50.164	0.0011	25	-70 25 8.79	-0.007	36	1.72	50.104	53	97.7	8.42	63	97.7		M4	4124	F -70 2605
75		8.4	11 28.959	-0.0024	25	-74 24 50.40	-0.013	36	1.75	29.087	53	96.7	49.72	63	96.7		M4	4123	F -74 1762
76		7.8	13 14.103	0.0023	25	-72 44 23.99	0.003	36	1.38	14.013	53	09.7	24.11	63	09.7		M4	4132	F -72 2352
77		9.1	13 47.383	0.0061	25	-70 13 37.39	-0.008	36	1.62	47.084	53	01.0	36.98	63	01.0		M4	4135	F -70 2606
78		7.7T	14 18.491	0.0074	13	-74 45 6.35	-0.012	12	0.68	18.121	21	99.7	5.72	19	97.0	A0	GC	26578	P*-74 1769
79		8.1	14 54.231	-0.0197	25	-72 43 15.44	-0.081	36	1.72	55.284	45	96.7	11.13	53	96.7		M4	4138	F -72 2354
80		8.9	16 20.641	-0.0035	33	-73 41 5.03	0.023	43	2.30	20.840	75	92.6	6.37	57	92.6		M3	2439	
81		9.0	16 57.071	0.0067	25	-76 14 37.40	-0.035	36	1.41	56.776	36	06.2	35.85	45	06.2		M4	4141	F -76 1327
82		7.2	18 50.522	0.0071	25	-70 12 10.16	-0.183	36	1.43	50.208	36	05.7	2.04	45	05.7		M4	4146	F -70 2627
83		9.4	19 49.610	0.0033	33	-76 49 14.63	0.051	43	2.30	49.422	75	92.6	17.57	57	92.6		M3	2442	
84		8.3	20 0.747	0.0036	25	-78 19 15.15	0.019	36	1.59	0.575	53	02.4	16.07	63	02.4		M4	4144	F -78 1231
85		8.6T	20 39.230	0.0043	13	-71 33 54.01	-0.035	09	0.60	39.018	19	01.2	52.11	18	95.9	A0	GC	26742	F -71 2393
86		8.7T	21 4.233	0.0102	13	-71 33 56.69	-0.013	09	0.61	3.740	21	01.8	55.96	18	94.6	F2	GC	26758	F -71 2395
87		9.8	21 43.575	-0.0037	25	-76 43 33.00	-0.012	36	1.75	43.774	53	96.7	32.38	63	96.7		M4	4153	F -76 1336
88		8.9	21 53.866	-0.0056	25	-79 38 0.31	-0.094	36	1.46	54.115	45	05.6	-56.16	53	05.6		M4	4147	F -79 1022
89		7.8T	21 58.933	0.0067	12	-75 16 29.71	-0.009	11	0.64	58.590	19	98.5	29.22	17	95.6	F0	GC	26779	F -75 1500
90		7.5T	22 11.983	0.0041	11	-73 11 27.56	-0.091	10	0.59	11.773	19	98.5	22.50	18	94.3	A3	GC	26787	F -73 2016
91		9.1	22 12.512	-0.0028	25	-72 31 9.20	-0.059	36	1.55	12.640	53	03.7	6.47	63	03.7		M4	4162	F -72 2378
92		8.8	22 28.643	0.0072	25	-71 29 34.13	0.013	36	1.56	28.309	53	03.4	34.73	63	03.4		M4	4165	F -71 2404
93		9.1T	22 56.961	0.0019	12	-72 52 17.57	-0.011	15	0.66	56.873	24	02.4	17.08	24	05.4	K7	GC	26815	F -73 2018
94		8.4	23 41.645	0.0131	25	-70 25 3.16	-0.071	36	1.75	40.944	53	96.7	-59.37	63	96.7		M4	4169	F -70 2639
95		9.3	24 22.171	0.0023	25	-73 23 51.56	-0.059	36	1.53	22.066	53	04.3	48.87	63	04.3		M4	4170	F -73 2021
96		7.7T	24 50.897	0.0139	11	-74 5 20.61	-0.016	11	0.63	50.171	21	97.7	19.76	19	95.8	A0	GC	26862	F -74 1798
97		10.1T	24 51.951	0.0033	13	-73 53 28.31	-0.024	12	0.67	51.785	22	00.6	27.06	21	97.4	F5	GC	26863	F -74 1799
98		8.5T	24 58.967	0.0036	16	-73 54 10.98	-0.060	12	0.73	58.792	22	02.1	7.84	21	97.4	F0	GC	26865	F -74 1800
99		8.2	25 17.320	0.0021	33	-70 9 0.60	-0.043	43	2.26	17.202	75	93.7	3.00	57	93.7		M3	2459	
100		9.2	25 40.616	-0.0013	25	-74 31 57.71	-0.052	36	1.44	40.672	45	06.2	55.43	53	06.2		M4	4171	F -74 1802

257700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 $\sigma_{\mu'}$ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 19H DM NUMBER
1		7.5T	19 26 45.552	0.0074	13	-73 36 9.55	0.004	12	0.69	45.178	21	99.6	9.78	18	95.3	K5	GC	26910	P -73 2027
2		8.5	26 59.985	-0.0032	25	-75 19 2.43	-0.167	36	1.37	+ 0.114	53	09.7	-55.71	63	09.7		M4	4175	P -75 1514
3		8.0	27 29.380	0.0072	25	-72 12 27.37	0.001	36	1.43	29.077	53	07.7	27.40	63	07.7		M4	4177	P -72 2391
4		8.0	28 35.193	-0.0097	25	-72 27 5.15	-0.124	36	1.52	35.634	53	04.7	-59.54	63	04.7		M4	4179	P -72 2393
5		9.0	28 48.190	-0.0007	33	-72 54 12.72	0.020	43	2.30	48.232	75	92.7	13.87	57	92.7		M3	2467	
6		9.2	29 47.300	-0.0149	33	-71 6 28.72	-0.059	43	2.30	48.154	75	92.6	25.34	57	92.6		M3	2469	
7		8.5	30 22.306	0.0076	25	-73 37 27.24	0.038	36	1.46	21.975	53	06.7	28.87	63	06.7		M4	4184	P -73 2039
8		9.2	30 50.569	-0.0139	25	-78 7 49.09	-0.059	36	1.55	51.212	53	03.7	46.38	63	03.7		M4	4180	P -78 1245
9		8.5	31 9.054	0.0017	25	-74 20 22.72	-0.012	36	1.55	8.975	53	03.7	22.14	63	03.7		M4	4187	P -74 1816
10		9.1	31 22.180	-0.0029	25	-75 31 3.52	-0.025	36	1.57	22.318	53	02.7	2.32	63	02.7		M4	4186	P -75 1527
11		9.3	32 15.787	0.0048	25	-77 18 22.49	-0.069	36	1.43	15.583	53	07.7	19.58	63	07.7		M4	4190	P -77 1368
12		8.8	32 24.738	0.0122	25	-76 11 39.42	0.022	36	1.75	24.088	53	96.7	40.57	63	96.7		M4	4192	P -76 1351
13		9.0	33 39.800	-0.0068	25	-71 11 9.94	-0.011	36	1.59	40.131	45	01.2	9.41	53	01.2		M4	4198	P -71 2435
14			34 8.736	0.0062	25	-70 29 49.58	-0.025	36	1.47	8.457	45	05.3	48.47	53	05.3		M4	4201V	P*-70 2675
15		8.9	34 25.068	0.0064	25	-72 26 12.47	-0.020	36	1.52	24.780	53	04.7	11.54	63	04.7		M4	4199	P -72 2408
16		7.6T	34 33.642	0.0029	12	-77 41 24.27	0.035	12	0.66	33.494	21	99.8	26.13	19	96.6	K0	GC	27121	P -77 1370
17		8.3	35 37.447	0.0092	25	-71 35 12.10	-0.015	36	1.70	36.970	53	98.4	11.33	63	98.4		M4	4203	P -71 2438
18		8.3	36 33.936	-0.0027	25	-75 30 57.94	0.088	36	1.81	34.086	53	94.7	+ 2.82	63	94.7		M4	4204	P -75 1537
19		8.5	36 54.441	0.0055	25	-72 19 53.18	-0.145	36	1.69	54.161	53	98.7	45.73	63	98.7		M4	4206	P -72 2415
20		7.7T	37 5.950	0.0007	12	-74 53 12.46	-0.008	11	0.61	5.916	22	99.1	12.05	19	98.9	K2	GC	27193	P -75 1540
21		8.6	37 11.767	0.0096	25	-73 21 47.43	-0.225	36	1.43	11.362	53	07.7	37.92	63	07.7		M4	4208	P -73 2053
22		7.9T	38 5.650	-0.0022	13	-74 34 29.78	0.017	12	0.68	5.757	19	00.5	28.87	19	96.5	F5	GC	27221	P -74 1829
23		9.3	38 39.982	0.0029	25	-74 3 14.94	0.071	36	1.38	39.867	53	09.7	17.81	63	09.7		M4	4216	P -74 1831
24		8.5	39 36.398	-0.0011	25	-77 12 29.90	-0.008	36	1.72	36.455	53	97.7	29.48	63	97.7		M4	4217	P -77 1378
25		7.6T	39 51.335	-0.0029	13	-70 8 10.59	-0.056	12	0.67	51.478	21	00.1	7.61	19	97.2	F5	GC	27262	P -70 2691
26		9.1	40 12.243	0.0032	25	-78 15 54.80	-0.014	36	1.63	12.088	53	00.7	54.11	63	00.7		M4	4219	P -78 1257
27		7.2T	40 12.983	0.0146	12	-70 44 47.39	-0.042	11	0.63	12.276	21	01.7	45.16	19	96.8	K0	GC	27273	P -70 2693
28		9.2	40 20.740	0.0103	25	-75 25 13.25	-0.021	36	1.52	20.273	53	04.7	12.29	63	04.7		M4	4223	P -75 1543
29		8.7	40 27.225	0.0074	25	-72 5 48.69	-0.061	36	1.62	26.848	45	00.0	45.63	53	00.0		M4	4226	P -72 2434
30		9.1	40 35.157	0.0320	33	-78 50 57.00	-0.007	43	2.27	33.323	63	92.7	56.60	53	92.7		M3	2494	
31		7.3T	42 17.161	0.0070	12	-77 1 54.62	-0.023	11	0.65	16.795	19	97.7	53.34	19	94.3	A0	GC	27325	P -77 1383
32		9.1	42 51.332	0.0079	25	-76 31 42.60	0.006	36	1.46	50.983	53	05.7	42.82	53	05.7		M4	4230	P -76 1362
33		8.3T	42 53.087	0.0103	11	-74 15 2.35	-0.041	11	0.61	52.576	19	00.3	0.24	19	98.2	F0	GC	27338	P -74 1838
34		8.9	43 20.976	0.0011	25	-77 35 34.44	0.065	36	1.38	20.930	53	09.7	37.06	63	09.7		M4	4232	P -77 1384
35		7.6T	43 26.661	0.0067	12	-73 38 51.90	-0.016	11	0.65	26.306	21	97.1	51.02	18	94.3	A0	GC	27348	P -73 2061
36		5.5T	43 41.293	0.0038	07	-72 37 42.37	0.017	06	0.26	41.139	07	09.5	43.11	07	06.5	A3	GC	27351	P -72 2445
37		8.5	43 46.529	-0.0027	25	-70 18 46.78	-0.076	36	1.78	46.674	53	95.7	42.63	63	95.7		M4	4240	P -70 2711
38		8.8	43 55.450	0.0024	25	-71 55 32.16	0.011	36	1.81	55.316	53	94.7	32.76	63	94.7		M4	4239	P -72 2447
39		8.8	44 7.894	-0.0056	25	-75 12 34.98	-0.044	36	1.72	8.186	53	97.7	32.66	63	97.7		M4	4238	P -75 1549
40		8.3T	44 44.844	0.0109	17	-73 0 4.12	0.013	15	0.80	44.336	24	03.5	4.77	22	00.6	K5	GC	27377	P -73 2066
41		8.9	45 3.218	0.0059	25	-74 13 21.31	-0.069	36	1.46	2.956	45	05.5	18.25	53	05.5		M4	4242	P -74 1843
42		7.3I	45 8.004	-0.0010	20	-71 53 52.31	-0.008	15	0.86	8.050	24	04.1	51.90	22	00.5	M3E	GC	27388V	P*-72 2452
43		7.4T	45 27.333	0.0047	10	-72 55 16.87	-0.060	09	0.53	27.082	21	99.0	13.55	19	94.6	F8	GC	27399K	P -73 2067
44		8.7	46 56.955	0.0074	25	-71 24 3.95	0.068	36	1.55	56.612	53	03.7	7.09	63	03.7		M4	4249	P -71 2477
45		7.7T	48 18.698	0.0060	12	-71 32 7.43	-0.020	11	0.62	18.391	19	98.8	6.31	18	94.9	A0	GC	27469	P*-71 2480
46		9.0T	48 29.819	-0.0034	15	-71 39 45.48	-0.008	14	0.73	29.977	24	03.6	45.07	22	00.8	G5	GC	27476	P -71 2482
47		8.4T	49 50.736	0.0065	16	-71 40 39.24	0.030	16	0.78	50.439	24	04.3	40.65	22	02.6	M8	GC	27514	P -71 2486
48		9.5	50 38.144	-0.0051	33	-76 55 57.27	-0.040	43	2.30	38.437	75	92.7	54.97	57	92.7		M3	2523	
49		8.6T	51 18.827	0.0038	12	-77 26 9.07	-0.011	11	0.65	18.633	22	99.1	8.47	21	96.1	A5	GC	27543	P -77 1395
50		8.0T	51 31.930	0.0029	13	-72 14 48.96	-0.007	12	0.67	31.785	22	00.6	48.59	21	97.4	K0	GC	27548	P -72 2470
51		7.4T	19 53 22.527	-0.0013	11	-74 15 55.64	-0.026	10	0.57	22.595	18	98.7	54.23	18	95.2	F5	GC	27593	P -74 1854
52		8.5	53 53.021	0.0004	25	-70 24 3.75	-0.012	36	1.45	53.004	36	06.1	3.20	45	05.1		M4	4266	P -70 2738
53		8.0	54 18.533	0.0051	25	-77 34 25.17	0.003	36	1.56	18.289	45	02.5	25.31	63	02.7		M4	4260	P -77 1399
54		8.5	54 22.480	0.0103	33	-70 40 1.16	-0.017	43	2.30	21.887	75	92.6	0.18	57	92.6		M3	2541	
55		7.8	54 32.688	0.0154	25	-76 22 8.73	-0.014	36	1.46	32.227	45	05.5	8.12	53	05.5		M4	4264	P -76 1378
56		8.5	54 36.442	0.0009	25	-76 46 48.75	-0.052	36	1.72	36.396	53	97.7	46.03	63	97.7		M4	4263	P -76 1377
57		4.1H	54 50.758	0.0188	03	-73 2 43.83	-0.131	02	0.11	50.008	05	10.2	38.67	05	10.7	A0	F4	748	P -73 2066
58		6.5T	54 58.307	0.0126	10	-74 8 56.97	-0.015	09	0.53	57.637	19	96.7	56.14	18	94.2	K0	GC	27636	P -74 1859
59		7.6T	55 31.471	0.0015	12	-74 54 5.04	0.002	11	0.64	31.396	21	98.8	5.15	19	95.9	K2	GC	27650	P -75 1561
60		8.9	55 58.965	-0.0046	25	-71 19 51.80	-0.021	36	1.48	59.174	45	04.7	50.84	53	04.7		M4	4278	P -71 2510
61		8.0T	56 2.670	0.0001	12	-78 58 9.59	0.020	11	0.65	2.664	21	98.2	10.71	18	93.4	+++	GC	27661	P*-79 1049
62		8.2T	56 33.367	-0.0003	12	-78 55 7.34	-0.013	11	0.64	33.382	21	97.4	6.62	19	95.0	A0	GC	27673K	P -79 1050
63		8.0	56 34.135	-0.0047	25	-75 29 17.44	0.042	36	1.38	34.323	53	09.7	19.12	63	09.7		M4	4276	P -75 1564
64		7.8T	58 19.884	-0.0032	12	-79 33 56.01	0.015	11	0.63	20.039	21	01.7	50.79	19	98.4	A2	GC	27734	P -79 1052
65		9.1T	20 0 13.670	0.0008	16	-79 0 33.85	0.022	15	0.77	13.632	21	02.2	34.92	21	01.3	A2	GC	27778	P -79 1064
66			0 15.040	0.0043	25	-70 19 35.73	-0.055	36	1.73	14.777	45	96.5	32.77	53	96.5		M4	4292V	P*-70 2762
67		9.1	1 13.905	-0.0006	25	-72 15 34.78	-0.029	36	1.38	13.927	53	09.7	33.61	63	09.7		M4	4297	P -72 2487
68		9.3	1 13.906	0.0094	25	-70 29 28.44	0.013	36	1.37	13.528	53	09.7	28.96	63	09.7		M4	4299	P -70 2765
69		9.0	1 42.320	0.0126	25	-73 18 22.06	0.041	36	1.51	41.755	53	05.0	23.90	63	05.0		M4	4298	P -73 2100
70		8.2T	1 44.079	0.0123	12	-77 14 9.43	-0.010	11	0.62	43.475	21	00.9	8.92	19	98.0	K2	GC	27827	P -77 1406
71		9.5	2 15.853	0.0139	33	-73 57 23.13	0.022	43	2.30	15.059	75	92.7	24.40	57	92.7		M3	2557	
72		7.2T	2 26.539	-0.0032	12	-74 54 5.75	-0.039	11	0.64	26.705	21	98.6	3.60	19	95.0	K0	GC	27852	P -75 1572
73		9.2	2 30.592	0.0025	25	-72 20 12.55	0.020	36	1.43	30.488	53	07.7	13.38	63	07.7		M4	4304	P -72 2490
74		8.4	2 37.469	0.0014	25	-70 57 35.62	-0.000	36	1.67	37.407	53	99.4	35.61	63	99.4		M4	4305	P -71 2535
75		7.4T	2 44.538	-0.0126	12	-79 15 25.76	0.043	11	0.63	45.145	21	01.9	27.97	19	98.4	G5	GC	27862K	P -79 1066
76		9.0	2 55.810	0.0063	25	-75 30 41.44	0.006	36	1.41	55.548	53	08.4	41.66	63	08.4		M4	4302	P -75 1573
77		7.4T	3 8.670	-0.0057	13	-74 21 47.48	-0.153	11	0.67	8.955	22	00.1	39.16	19	95.5	F8	GC	27873	P -74 1874
78		8.0T	3 9.784	-0.0022	13	-71 41 53.40	0.012	11	0.66	9.896	22	99.2	54.05	21	94.5	A0	GC	27874K	P*-71 2537
79		7.3T	5 10.002	-0.0012	14	-71 47 24.56	0.019	13	0.73	10.063	21	99.3	25.56	19	97.1	K2	GC	27919	P -72 2496
80		9.0	6 28.300	0.0011	33	-78 0 42.90	-0.074	43	2.30	28.234	75	92.6	38.65	57	92.6		M3	2569	
81		8.1T	7 23.293	0.0059	09	-79 43 51.86	0.030	10	0.57	22.930	17	88.2	53.52	19	94.8	A2	GC	27977	P -79 1063
82		8.8	7 44.371	0.0073	33	-76 1 6.99	-0.009	43	2.30	43.950	75	92.7	6.49	57	92.7		M3	2575	
83		8.0T	9 6.303	0.0030	12	-79 9 34.76	0.047	12	0.67	6.145	18	97.3	37.34	17	94.9	F5	GC	28023	P -79 1065
84		9.5	9 10.942	0.0038	25	-73 40 44.03	-0.008	36	1.47	10.771	45	05.2	43.68	53	05.2		M4	4324	P -73 2115
85		9.0	9 20.818	0.0013	25	-70 48 53.51	-0.083	36	1.41	20.761	53	07.7	50.00	53	07.7		M4	4326	P -71 2547
86		8.3	11 28.598	-0.0025	25	-72 20 19.34	0.001	36	1.60	28.723	45	00.9	19.38	53	00.9		M4	4331	P -72 2505
87		8.7	12 1.603	0.0014	25	-71 13 18.90	-0.039	36	1.56	1.535	31	00.7	16.97	36	00.7		M4	4335	P -71 2548
88		6.6T	12 51.201	0.0053	13	-73 8 3.68	-0.048	12	0.65	50.947	21	01.6	1.21	19	98.5	K2	GC	28131	P -73 2121
89		7.2T	12 56.791	0.0010	14	-72 57 50.31	-0.001	13	0.73	56.740	22	00.4	50.26	21	98.6	K0	GC	28134	P -73 2122
90		8.9	13 0.491	0.0084	25	-76 16 51.61	0.040	36	1.46	0.119	45	05.5	53.40	53	05.5		M4	4334	P -76 1403
91		8.6	13 13.634	-0.0010	25	-79 13 36.97	-0.063	36	1.41	13.677	53	08.4	34.34	63	08.4		M4	4330	P -79 1072
92		9.1	13 16.675	0.0033	33	-70 41 17.72	-0.047	43	2.26	16.600	75	93.7	15.07	57	93.7		M3	2589	
93		7.5T	14 6.791	0.0061	08	-79 45 17.82	0.006	07	0.49	6.425	18	89.7	18.23	15	83.3	B9	GC	28165	P -79 1074
94		6.8T	15 23.700	0.0133	09	-79 7 8.86	-0.040	08	0.55	22.961	21	94.4	6.42	18	89.3	B9	GC	28203	P -79 1079
95		7.8T	15 28.006	0.0069	13	-74 8 8.38	-0.017	12	0.70	27.659	21	99.5	7.49	19	96.9	K2	GC	28205	P -74 1890
96		7.6T	16 35.020	0.0173	10	-79 12 36.01	-0.030	08	0.54	34.104	19	97.0	34.27	18	92.3	A0	GC	28238	P -79 1081
97		8.6	17 9.780	0.0134	25	-71 21 21.44	0.007	36	1.40	9.226	53	08.7	21.72	63	08.7		M4	4350	P -71 2552
98		8.2	17 48.015	0.0045	25	-72 48 41.50	-0.044	36	1.67	47.782	45	98.5	39.23	53	98.5		M4	4352	P -73 2135
99		9.9	18 11.044	-0.0107	25	-75 13 1.02	0.002	36	1.75	11.612	53	96.7	1.11	63	96.7		M4	4357	P -75 2782
100		9.0	18 11.882	0.0056	25	-73 13 18.06	-0.027	36	1.38	11.658	53	09.7	16.97	63	09.7		M4	4354	P -73 2136

257800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	DM NUMBER
1		8.0	20 18 47.659	0.0184	25	-71 14 26.85	-0.013	36	1.37	46.920	53	09.8	26.32	63	09.8		M4	4359	P -71 2553
2		9.0	19 6.574	-0.0005	25	-72 21 26.64	-0.002	36	1.50	6.595	53	05.4	26.56	63	05.4		M4	4360	P -72 2514
3		7.6T	19 24.937	0.0076	15	-71 49 14.44	-0.022	12	0.72	24.571	22	01.9	13.29	21	98.0	G5	GC	28315	P -72 2515
4		9.2	19 48.216	0.0024	25	-70 21 31.64	0.044	36	1.57	48.104	53	02.7	33.71	63	02.7		M4	4365	P -70 2784
5		9.0	19 53.516	0.0224	25	-78 21 25.20	-0.020	36	1.37	52.588	45	08.6	24.36	53	08.6		M4	4355	P -78 1308
6		8.3T	20 12.209	0.0033	12	-79 33 23.67	-0.043	12	0.66	12.045	22	00.3	21.40	21	97.0	K2	GC	28328	P -79 1088
7		8.2T	20 17.543	0.0068	13	-78 55 7.42	0.021	12	0.68	17.198	22	99.4	8.54	21	96.3	F8	GC	28331	P -79 1089
8		9.3	21 33.004	-0.0149	33	-74 46 42.22	0.010	43	2.30	33.859	75	92.7	42.80	57	92.7		M3	2605	
9		8.0T	21 46.890	0.0118	13	-74 26 56.00	0.003	12	0.68	46.295	21	99.6	56.17	19	97.2	K0	GC	28376	P -74 1906
10		8.4T	22 52.735	0.0030	12	-79 4 21.25	0.004	12	0.66	52.583	21	99.1	21.45	19	96.9	F0	GC	28403	P -79 1092
11		8.7	23 14.096	-0.0061	25	-76 53 17.56	0.063	36	1.45	14.372	36	04.9	20.39	45	05.1		M4	4372	P -77 1438
12		9.0	24 48.306	-0.0026	25	-71 1 20.17	-0.007	36	1.78	48.449	53	95.7	19.79	63	95.7		M4	4381	P -71 2557
13		8.5	25 15.776	0.0113	25	-75 25 39.45	0.020	36	1.64	15.202	45	99.2	40.45	53	99.2		M4	4380	P -75 1621
14		9.8Q	25 21.550	0.0017	14	-77 22 4.91	-0.038	14	0.71	21.469	21	02.7	3.07	21	01.8	F5	GC	28457K	P*-77 1440
15		10.2Q	25 23.895	0.0002	14	-77 22 5.88	-0.045	14	0.71	23.885	21	03.0	3.71	21	01.8		GC	28461K	P -77 1440
16		8.2T	26 0.576	-0.0033	12	-77 27 47.21	0.002	10	0.61	0.746	21	98.3	47.32	18	94.2	K0	GC	28480	P -77 1441
17		8.3	26 42.029	-0.0084	25	-73 8 26.38	-0.007	36	1.41	42.380	53	08.4	26.08	63	08.4		M4	4386	P -73 2148
18		8.2	26 50.639	-0.0024	25	-73 0 12.25	0.084	36	1.38	50.737	53	09.7	15.63	63	09.7		M4	4387	P -73 2149
19		7.4T	26 57.828	-0.0039	12	-72 1 59.43	-0.048	12	0.63	58.014	21	02.1	56.96	19	98.6	A0	GC	28500	P -72 2526
20		7.5	27 51.252	0.0054	33	-71 29 24.35	0.058	43	2.26	50.947	75	93.7	27.60	57	93.7		M3	2624	
21		9.2	28 10.922	0.0141	25	-74 42 55.46	-0.041	36	1.66	10.215	53	99.8	53.41	63	99.8		M4	4393	P -74 1912
22		8.9	28 22.923	0.0029	25	-77 6 21.52	-0.066	36	1.52	22.792	53	04.7	18.53	63	04.7		M4	4392	P -77 1444
23		6.5T	29 57.653	-0.0100	11	-71 21 39.60	0.008	08	0.59	58.194	21	96.0	40.09	18	88.1	K0	GC	28576	P -71 2560
24		9.3	30 15.720	-0.0056	25	-76 24 37.97	0.055	36	1.72	16.021	36	96.1	40.93	45	96.1		M4	4399	P -76 1420
25		7.6T	31 3.264	0.0028	11	-71 26 3.92	-0.033	09	0.59	3.112	21	95.6	2.06	19	93.0	A0	GC	28602	P -71 2561
26		8.9	31 14.334	-0.0013	25	-75 49 4.11	-0.041	36	1.50	14.394	53	05.4	2.30	63	05.4		M4	4405	P -76 1424
27		9.1	31 17.834	0.0143	25	-71 14 24.40	-0.076	36	1.43	17.228	53	07.7	21.18	63	07.7		M4	4409	P -71 2562
28		9.2	31 27.660	-0.0147	25	-79 23 58.11	0.057	36	1.59	28.364	53	02.1	+ 0.83	63	02.1		M4	4401	P -79 1100
29		7.1T	31 28.736	0.0006	10	-71 14 40.39	-0.029	09	0.56	28.706	19	98.0	38.65	18	89.8	A0	GC	28612K	P -71 2563
30		7.9T	31 49.799	0.0039	12	-77 4 0.58	-0.017	11	0.65	49.595	19	97.0	-59.63	19	94.2	G5	GC	28624K	P -77 1447
31		9.1	32 9.014	0.0053	25	-70 16 54.92	0.015	36	1.66	8.747	53	99.7	55.65	63	99.7		M4	4411	P -70 2794
32		8.8	33 3.559	0.0045	25	-72 35 55.27	-0.089	36	1.69	3.330	53	98.8	50.71	63	98.8		M4	4412	P -72 2537
33		7.8T	33 32.549	0.0057	12	-70 14 52.33	-0.033	11	0.63	32.271	21	01.5	50.62	19	98.3	K0	GC	28673	P -70 2795
34		7.2T	33 50.235	-0.0021	12	-71 16 12.10	-0.003	10	0.61	50.343	19	99.2	11.94	18	93.1	M0	GC	28676	P -71 2566
35		9.7T	35 42.125	-0.0024	14	-70 7 46.16	0.001	13	0.71	42.239	22	01.8	46.20	21	99.1	K0	GC	28721	P -70 2797
36		7.1T	35 50.155	0.0397	11	-75 31 34.68	-0.150	07	0.54	48.069	21	97.4	25.49	19	88.6	G5	GC	28727K	P -75 1644
37		7.6T	35 51.758	0.0455	11	-75 31 18.32	-0.164	10	0.58	49.334	19	96.7	9.17	18	94.1	G5	GC	28728K	P*-75 1644
38		6.1T	35 56.354	0.0575	06	-76 21 30.60	-0.011	04	0.21	53.949	06	08.2	30.14	07	07.3	F0	GC	28731	P*-76 1434
39		8.9	36 15.824	0.0124	33	-77 58 20.94	-0.047	43	2.30	15.115	75	92.7	18.24	57	92.7		M3	2637	
40		8.0T	36 24.076	0.0144	12	-75 14 2.09	0.025	12	0.65	23.346	22	99.3	3.37	21	98.4	K0	GC	28746	P -75 1646
41		7.8T	37 2.068	0.0047	12	-71 6 32.51	-0.060	10	0.63	1.822	21	97.3	29.76	19	94.7	A2	GC	28769	P -71 2568
42		7.8T	37 4.193	0.0213	13	-76 43 28.96	-0.157	12	0.65	3.162	21	01.7	20.88	19	98.6	G0	GC	28770	P -76 1436
43		7.7T	37 43.342	-0.0052	13	-72 6 25.74	0.006	12	0.65	43.591	21	01.9	26.06	19	98.1	F0	GC	28795	P -72 2544
44		8.6T	38 19.928	-0.0102	14	-79 16 10.85	-0.033	16	0.73	20.398	24	03.8	12.36	24	04.3	K5	GC	28810	P -79 1107
45		8.6	38 35.889	0.0003	25	-70 30 18.96	-0.002	36	1.63	35.875	53	00.7	18.87	63	00.7		M4	4433	P -70 2802
46		8.5T	39 19.756	0.0101	11	-70 2 10.24	-0.028	09	0.57	19.233	22	98.3	8.70	18	95.3	A0	GC	28836	P -70 2804
47		8.5	40 19.547	0.0064	25	-70 53 44.13	-0.015	36	1.81	19.195	53	94.7	43.30	63	94.7		M4	4439	P -71 2570
48		8.9	40 29.758	0.0035	25	-72 32 54.55	-0.016	36	1.68	29.576	45	98.2	53.73	53	98.2		M4	4438	P -72 2550
49		9.4T	41 17.978	0.0095	12	-72 7 55.37	-0.023	16	0.72	17.514	24	01.3	54.30	24	03.4	A5	GC	28880	P -72 2551
50		8.2T	41 19.523	0.0184	11	-79 8 2.45	-0.035	11	0.59	18.586	19	99.2	0.61	19	97.6	F2	GC	28881	P -79 1108
51		9.0	20 43 13.826	0.0004	25	-71 32 2.48	-0.062	36	1.66	13.805	53	99.7	-59.36	63	99.7		M4	4448	P -71 2572
52		8.2T	43 37.783	0.0079	12	-72 23 48.43	-0.012	11	0.62	37.392	19	00.2	47.79	19	97.1	A0	GC	28943	P -72 2554
53		8.1T	43 46.176	0.0084	11	-76 1 5.09	-0.047	11	0.63	45.734	21	97.3	2.52	19	95.0	K0	GC	28948	P -76 1446
54		7.1T	43 47.185	0.0041	12	-72 43 3.01	-0.024	11	0.65	46.970	21	97.7	1.71	18	95.2	A0	GC	28950	P -72 2555
55		9.4T	44 11.139	-0.0219	16	-76 5 45.25	-0.023	14	0.73	12.139	21	04.3	44.17	21	02.2	G5	GC	28958	P -76 1447
56		8.5	44 34.462	0.0063	25	-75 13 23.35	-0.063	36	1.41	34.199	53	08.4	20.73	63	08.4		M4	4451	P -75 1657
57		8.2T	44 38.006	-0.0112	12	-78 19 7.35	0.040	11	0.61	38.570	21	99.6	9.44	18	97.9	F5	GC	28971	P -78 1344
58		8.2	45 51.553	-0.0006	25	-71 10 16.48	-0.065	36	1.46	51.581	53	06.7	13.66	63	06.7		M4	4457	P -71 2575
59		8.3T	46 14.240	-0.0062	13	-73 52 40.87	-0.039	12	0.67	14.545	22	00.6	38.85	21	97.4	G5	GC	29014	P -74 1933
60		9.0	47 10.007	0.0100	25	-78 1 36.35	-0.080	36	1.43	9.571	45	06.5	32.87	53	06.5		M4	4456	P -78 1348
61		9.2	47 16.510	-0.0438	25	-75 47 40.83	-0.042	36	1.46	18.403	53	06.8	39.03	63	06.8		M4	4463	P -76 1455
62		9.0	48 11.431	0.0023	25	-70 16 41.80	0.032	36	1.60	11.318	53	01.7	43.33	63	01.7		M4	4468	P -70 2809
63		7.9	49 33.099	-0.0014	25	-73 15 25.94	-0.043	36	1.65	33.171	45	99.8	23.79	63	99.8		M4	4472	P -73 2179
64		9.0	51 45.781	0.0002	25	-75 24 31.03	0.049	36	1.48	45.772	45	04.7	33.23	53	04.7		M4	4476	P -75 1668
65		9.2	52 5.751	-0.0018	25	-76 17 5.61	0.030	36	1.52	5.831	53	04.7	6.99	63	04.7		M4	4477	P -76 1463
66		9.3	52 11.763	0.0083	25	-70 16 3.77	0.004	36	1.60	11.360	53	01.7	3.96	63	01.7		M4	4482	P -70 2811
67		8.3T	52 30.944	0.0119	13	-76 12 42.08	-0.002	11	0.67	30.348	22	00.0	41.99	19	95.3	K2	GC	29183	P -76 1464
68		8.8	52 51.918	0.0133	25	-78 22 26.40	-0.072	36	1.42	51.348	45	07.0	23.30	53	07.0		M4	4478	P -78 1359
69		7.6T	53 50.503	0.0022	12	-70 36 57.94	0.020	11	0.63	50.392	22	00.1	59.00	21	97.2	F2	GC	29214K	P*-70 2812
70		7.8	54 15.150	0.0121	33	-74 38 15.03	0.006	43	2.30	14.459	75	92.7	15.38	57	92.7		M3	2678	
71		9.0	54 48.145	0.0180	25	-78 4 41.95	0.001	36	1.46	47.345	45	05.6	41.99	53	05.6		M4	4484	P -78 1365
72		8.4	55 12.804	0.0042	25	-76 14 13.68	0.027	36	1.49	12.616	53	05.8	14.89	63	05.8		M4	4487	P -76 1468
73		8.5T	55 45.399	0.0082	13	-75 37 12.50	0.001	11	0.68	44.994	22	00.5	12.57	19	95.5	A3	GC	29263K	P -75 1673
74		9.3	56 26.805	0.0071	25	-74 41 20.46	-0.055	36	1.62	26.451	45	00.0	17.72	53	00.0		M4	4493	P -74 1947
75		9.4	56 26.929	-0.0035	25	-72 22 1.41	-0.079	36	1.73	27.114	53	96.8	-57.23	53	96.8		M4	4494	P -72 2574
76		9.0	56 44.807	0.0016	25	-73 18 19.07	0.001	36	1.60	44.731	53	01.7	19.13	63	01.7		M4	4496	P -73 2186
77		8.6	58 14.233	0.0086	25	-73 14 35.34	-0.051	36	1.54	13.836	53	03.8	32.99	63	03.8		M4	4502	P -73 2188
78		8.6T	58 14.776	-0.0001	14	-77 44 36.23	0.004	12	0.69	14.781	21	00.9	36.44	19	97.3	K0	GC	29332	P -78 1370
79		5.2H	58 44.041	0.0027	02	-77 13 1.18	-0.364	02	0.09	43.932	04	10.4	-46.62	04	10.0	F2	F4	787	P -77 1474
80		8.2	59 20.820	0.0084	25	-70 18 20.36	0.014	36	1.40	20.475	53	08.7	20.94	63	08.7		M4	4511	P -70 2823
81		8.8	21 0 1.233	-0.0050	25	-77 34 52.16	-0.084	36	1.50	1.455	53	05.4	48.42	63	05.4		M4	4508	P -77 1475
82		8.9	1 10.815	0.0060	25	-74 22 24.15	-0.009	36	1.60	10.524	53	01.7	23.74	63	01.7		M4	4514	P -74 1955
83		8.9	1 17.235	0.0073	25	-70 6 15.05	0.051	36	1.43	16.911	36	05.8	17.29	45	05.8		M4	4521	P -70 2829
84		9.4	1 24.638	0.0025	25	-72 27 47.10	0.039	36	1.38	24.536	53	09.7	48.69	63	09.7		M4	4519	P -72 2579
85		7.9T	2 43.575	0.0260	13	-76 10 51.35	-0.083	12	0.68	42.279	21	00.2	46.93	19	96.6	F8	GC	29443K	P*-76 1472
86		8.1T	2 55.061	-0.0148	12	-79 28 35.09	0.039	12	0.64	55.777	21	01.6	37.10	19	98.3	F5	GC	29449	P -79 1133
87		6.5T	3 5.544	-0.0050	12	-76 24 51.42	-0.019	12	0.72	5.814	18	95.5	50.29	15	89.8	K0	GC	29458	P -76 1473
88		9.3	3 20.686	-0.0046	25	-71 30 38.35	-0.068	36	1.47	20.886	53	06.4	35.39	63	06.4		M4	4525	P -71 2588
89		8.2T	3 43.793	0.0098	13	-73 35 53.82	-0.056	11	0.65	43.309	22	00.7	51.00	19	99.2	A3	GC	29473	P -73 2191
90		5.8T	4 11.009	0.1021	09	-73 22 15.75	-0.335	08	0.41	6.518	12	06.0	0.02	12	03.0	G0	GC	29489K	P*-73 2192
91		8.6	5 25.697	-0.0044	25	-73 3 27.80	0.007	36	1.75	25.933	53	96.7	28.19	63	96.7		M4	4526	P -73 2194
92		9.2	6 20.209	-0.0180	33	-77 57 53.98	0.037	43	2.30	21.239	75	92.7	56.11	57	92.7		M3	2699	
93		6.2T	6 21.411	0.0081	11	-72 44 53.63	-0.021	10	0.60	20.990	21	98.1	52.47	19	93.8	K0	GC	29558	P -73 2195
94		8.8	7 38.140	0.0016	25	-73 10 43.19	-0.046	36	1.60	38.064	53	01.7	40.98	63	01.7		M4	4532	P -73 2199
95		8.1T	7 39.506	0.0095	12	-70 22 0.38	-0.026	13	0.66	39.037	19	00.8	-59.07	19	00.2	K5	GC	29587	P -70 2834
96		5.1H	8 41.303	0.0090	03	-70 19 55.94	-0.027	03	0.11	40.964	06	12.6	54.98	06	14.8	M0	F4	1554	P -70 2835
97		9.0	8 52.434	0.0038	25	-77 2 59.70	-0.027	36	1.49	52.267	53	05.7	58.51	63	05.7		M4	4536	P -77 1485
98		8.2T	9 31.683	-0.0076	13	-71 3 50.91	-0.081	12	0.66	32.062	19	00.3	46.69	18	97.8	F5	GC	29630	P -71 2594
99		9.0	9 33.706	0.0112	33	-75 46 25.06	-0.012	43	2.30	33.065	75	92.8	24.40	57	92.8		M3	2710	
100		8.9	9 51.642	0.0180	25	-76 25 46.82	-0.026	36	1.42	50.868	45	07.0	45.71	53	07.0		M4	4542	P -76 1484

-70° 20H

257900

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-70° 21H DM NUMBER
1		8.9	21 10 15.370	0.0071	25	-74 37 13.96	-0.012	36	1.49	15.068	53	05.7	13.45	63	05.7		MA	4547	P -74 1970
2		8.5	11 45.622	-0.0025	25	-72 26 56.77	0.035	36	1.69	45.748	53	98.8	58.58	63	98.8		MA	4554	P -72 2590
3		8.3	12 2.341	-0.0007	25	-75 14 29.22	0.003	36	1.52	2.372	53	04.8	29.34	63	04.8		MA	4553	P -75 1695
4		6.8T	12 52.833	0.0043	09	-75 33 22.01	-0.034	09	0.54	52.598	21	95.3	20.07	19	92.3	A0	GC	29726	P -75 1697
5		7.5T	13 26.866	0.0001	13	-73 14 12.03	-0.001	15	0.71	26.863	24	01.6	12.00	24	02.9	K0	GC	29737	P -73 2205
6		8.8	13 33.070	0.0185	25	-72 21 16.81	0.025	36	1.53	32.214	45	03.8	17.99	63	03.8		MA	4559	P -72 2592
7		8.8	13 40.359	0.0009	25	-78 37 5.80	-0.079	36	1.44	40.320	45	06.4	2.35	53	06.4		MA	4556	P -78 1386
8		9.4T	14 17.747	0.0140	13	-73 30 32.50	-0.037	12	0.67	17.042	22	00.2	30.60	21	98.1	F5	GC	29760	P -73 2206
9		8.0	14 18.743	0.0142	25	-76 3 26.05	-0.037	36	1.36	18.170	45	09.7	24.57	63	09.7		MA	4560	P -76 1496
10		8.9	15 30.667	0.0094	25	-77 28 22.89	-0.060	36	1.49	30.253	53	05.8	20.24	63	05.8		MA	4561	P -77 1490
11		9.4	16 23.675	-0.0060	25	-79 22 55.16	0.020	36	1.43	23.927	53	07.8	56.00	63	07.8		MA	4563	P -79 1142
12		9.2	16 31.697	0.0290	25	-74 32 54.97	-0.084	36	1.48	30.422	53	06.1	51.29	63	06.1		MA	4570	P -74 1980
13		8.9T	16 47.389	0.0141	13	-74 4 6.03	-0.027	12	0.68	46.675	19	99.2	4.61	19	97.0	F0	GC	29827	P -74 1981
14		8.9	17 1.239	0.0028	25	-73 34 51.79	0.060	36	1.43	1.114	36	05.7	54.46	45	05.7		MA	4572	P -73 2208
15		7.0T	17 32.772	0.0019	13	-71 47 4.09	-0.014	12	0.68	32.677	21	00.3	3.34	19	96.6	M0	GC	29852	P -72 2595
16		8.1T	18 6.386	0.0124	13	-75 42 32.94	0.118	11	0.65	5.776	22	00.7	39.32	19	96.1	G0	GC	29869	P -76 1504
17		7.8T	19 31.439	0.0132	10	-76 44 26.43	-0.017	09	0.55	30.745	19	97.6	25.47	19	93.4	F2	GC	29905	P -77 1494
18		9.1	20 9.867	0.0016	33	-74 59 0.00	-0.001	43	2.30	9.777	75	92.7	-59.96	17	92.7		M3	2731	
19		9.2	20 18.453	0.0024	25	-71 30 2.01	-0.035	36	1.56	18.335	36	01.1	0.30	45	01.1		MA	4584	P -71 2604
20		6.1T	20 34.735	0.0060	10	-72 0 53.81	-0.006	09	0.53	34.428	19	99.0	53.47	19	94.0	K0	GC	29934K	P -72 2598
21		7.5T	20 34.958	-0.0023	11	-72 48 39.08	-0.043	10	0.58	35.075	19	98.9	36.78	18	96.2	K0	GC	29935	P -73 2215
22		8.3	21 58.946	0.0054	25	-70 20 38.90	-0.064	36	1.78	58.654	53	95.7	35.43	63	95.7		MA	4593	P -70 2847
23		8.8	22 21.988	0.0004	25	-72 6 37.71	-0.056	36	1.63	21.966	53	00.8	34.95	63	00.8		MA	4594	P -72 2603
24		9.4	23 4.015	0.0160	25	-78 10 45.27	-0.001	36	1.56	3.265	53	03.1	45.22	63	03.1		MA	4591	P -78 1399
25		8.8	23 30.463	0.0142	25	-76 13 30.01	0.017	36	1.63	29.736	36	98.9	30.89	45	98.9		MA	4595	P -76 1512
26		8.9	23 32.522	0.0033	25	-75 14 7.81	-0.016	36	1.69	32.352	53	98.8	6.98	63	98.8		MA	4596	P -75 1707
27		8.8	24 45.664	0.0006	25	-73 13 26.81	-0.037	36	1.60	40.636	53	01.8	25.03	63	01.8		MA	4599	P -73 2219
28		8.8	25 22.973	0.0015	33	-72 42 10.23	-0.002	43	2.26	22.887	75	93.8	10.13	57	93.8		M3	2741	
29		8.7	25 33.475	0.0180	25	-74 24 37.63	-0.007	36	1.71	32.540	53	98.1	37.29	63	98.1		MA	4602	P -74 1990
30		8.0T	25 34.681	0.0055	12	-75 25 20.79	-0.008	11	0.62	34.405	18	99.8	20.35	18	96.8	G5	GC	30052	P -75 1710
31		9.0	26 30.521	0.0003	33	-70 33 17.82	0.076	43	2.30	30.501	75	92.7	22.18	57	92.7		M3	2744	
32		7.8T	27 11.141	0.0058	13	-78 45 50.50	0.027	11	0.64	10.855	22	00.4	51.86	19	99.7	K0	GC	30094	P -79 1152
33		7.9T	27 34.694	0.0106	14	-74 6 47.94	-0.006	10	0.64	34.194	21	02.2	47.64	19	95.0	M0	GC	30107	P -74 1994
34		8.5T	28 23.692	0.0146	14	-75 38 0.86	-0.027	12	0.69	22.986	22	01.6	-59.46	21	97.5	F8	GC	30124	P -75 1716
35		9.0	29 32.424	-0.0026	25	-77 26 15.55	-0.060	36	1.57	32.550	45	01.8	12.66	53	01.8		MA	4612	P -77 1503
36		8.4	29 55.092	-0.0007	25	-70 4 57.41	-0.075	36	1.47	55.122	45	05.4	54.06	53	05.4		MA	4621	P -70 2857
37		9.2	30 53.702	0.0132	25	-76 13 55.54	0.023	36	1.49	53.119	53	05.8	56.55	63	05.8		MA	4622	P -76 1524
38		9.0	31 38.482	0.0032	25	-71 5 3.30	-0.011	36	1.54	38.336	53	03.8	2.78	63	03.8		MA	4627	P -71 2617
39		8.3	31 55.572	-0.0025	25	-76 44 24.75	-0.002	36	1.54	55.682	45	02.8	24.67	53	02.8		MA	4625	P -77 1507
40		9.3	31 55.805	0.0041	25	-70 13 51.01	0.030	36	1.60	55.603	53	01.1	52.46	53	01.1		MA	4628	P -70 2859
41		9.2	32 23.080	-0.0109	25	-70 33 28.79	-0.050	36	1.78	23.670	53	95.8	26.08	63	95.8		MA	4629	P -70 2860
42		6.3T	32 48.248	0.0282	12	-79 40 3.72	-0.043	09	0.62	46.787	19	98.2	1.24	18	92.6	F5	GC	30221	P -79 1158
43		8.5	35 24.256	0.0087	25	-77 14 34.28	-0.011	36	1.60	23.839	53	01.8	33.77	63	01.8		MA	4637	P -77 1509
44		7.4T	35 41.153	-0.0255	13	-74 18 14.93	0.214	12	0.66	42.407	21	00.8	26.07	19	97.9	G5	GC	30281	P -74 2006
45		7.8T	35 49.260	0.0829	13	-71 43 46.85	-0.080	12	0.69	44.906	19	97.5	42.44	18	95.1	F8	GC	30285	P -72 2623
46		8.7	35 54.641	0.0045	25	-72 23 38.25	0.002	36	1.61	54.416	36	99.7	38.30	45	99.6		MA	4641	P -72 2624
47		8.7	35 55.232	-0.0035	25	-72 41 21.77	-0.016	36	1.75	55.421	53	96.8	20.91	63	96.8		MA	4640	P -73 2231
48		7.7H	35 59.865	0.0176	03	-77 36 50.23	-0.239	03	0.10	59.312	06	18.6	42.50	06	17.7	K0	F4	810	P -77 1510
49		8.1T	36 35.682	0.0009	12	-71 2 3.01	-0.024	12	0.64	35.636	18	99.2	1.72	18	96.9	F5	GC	30306	P -71 2624
50		9.1	37 24.537	-0.0047	25	-70 36 1.81	-0.055	36	1.52	24.751	53	04.8	-59.31	63	04.8		MA	4648	P -70 2863
51		9.0	21 38 24.248	-0.0009	25	-79 56 10.64	-0.027	36	1.38	24.284	53	09.7	9.55	63	09.7		MA	4644	P -80 1026
52		9.3	38 47.683	0.0028	25	-74 14 4.46	-0.090	36	1.41	47.566	53	08.4	0.72	63	08.4		MA	4652	P -74 2008
53		9.5	39 24.979	-0.0044	25	-76 52 45.40	-0.022	36	1.37	25.157	53	09.7	44.57	63	09.7		MA	4653	P -77 1512
54		8.8	40 0.015	0.0043	25	-75 11 50.18	0.055	36	1.72	-59.793	53	97.8	53.02	63	97.8		MA	4655	P -75 1729
55		6.2T	41 5.019	0.0031	11	-71 14 19.73	-0.000	09	0.58	4.855	21	97.4	19.71	19	91.3	B8	GC	30411	P -71 2632
56		8.7T	41 51.052	0.0037	13	-71 18 55.63	-0.007	12	0.68	50.861	19	98.5	55.23	18	96.4	B9	GC	30433	P -71 2633
57		8.7	42 57.078	-0.0465	25	-78 40 3.25	0.085	36	1.60	59.320	53	01.8	7.33	63	01.8		MA	4661	P -79 1170
58		7.7T	43 16.004	0.0034	14	-72 54 49.24	-0.012	11	0.68	15.840	21	01.1	48.59	19	97.5	F0	GC	30468	P -73 2237
59		8.8	43 36.132	0.0064	25	-71 24 44.88	-0.012	36	1.40	35.870	53	08.7	44.37	63	08.7		MA	4669	P -71 2635
60		9.1	44 8.218	0.0018	25	-77 30 44.78	-0.000	36	1.43	8.141	45	06.6	44.77	53	06.6		MA	4667	P -77 1518
61		7.9T	44 35.396	0.0132	14	-78 27 14.60	-0.038	12	0.66	34.790	18	03.9	12.60	19	97.9	K2	GC	30499	P -78 1418
62		9.1	45 28.623	-0.0084	25	-76 33 45.31	0.034	36	1.37	28.961	53	09.8	46.66	63	09.8		MA	4672	P -76 1537
63		7.9	45 48.827	0.0031	25	-75 31 52.87	-0.006	36	1.46	48.693	53	06.7	52.61	63	06.7		MA	4675	P -75 1732
64		8.9	45 57.121	0.0208	25	-76 26 24.70	-0.046	36	1.48	56.179	45	04.8	22.61	53	04.8		MA	4674	P -76 1536
65		8.5	45 59.637	0.0153	25	-75 0 27.39	-0.008	36	1.81	58.795	53	94.7	26.92	63	94.7		MA	4677	P -75 1733
66		7.3T	46 41.045	0.0065	13	-72 22 25.56	0.004	12	0.65	40.778	21	01.3	25.74	19	99.0	K2	GC	30643	P -72 2643
67		8.7	47 11.742	0.0104	25	-71 21 31.62	-0.045	36	1.38	11.322	53	09.4	29.78	63	09.4		MA	4686	P -71 2640
68		8.9	47 26.927	-0.0013	25	-78 2 37.01	0.007	36	1.52	26.985	53	04.8	37.31	63	04.8		MA	4678	P -78 1421
69		8.2	47 30.594	-0.0167	25	-70 35 8.90	-0.057	36	1.75	31.484	53	96.8	5.85	63	96.8		MA	4688	P -70 2877
70		8.5	47 44.136	-0.0035	25	-73 2 29.06	-0.002	36	1.60	44.304	53	01.8	28.95	63	01.8		MA	4687	P -73 2242
71		7.5T	47 48.737	0.0102	14	-78 48 52.92	0.019	12	0.70	48.232	21	00.3	53.90	19	97.2	K2	GC	30670K	P -79 1176
72		8.0T	48 2.391	0.0035	13	-70 47 2.90	0.037	15	0.72	2.222	22	01.2	4.66	22	01.9	K0	GC	30675	P -71 2642
73		8.6	48 16.061	0.0096	25	-74 22 41.18	-0.002	36	1.52	15.656	53	04.8	41.09	63	04.8		MA	4689	P -74 2016
74		9.0	49 18.175	0.0126	25	-76 30 18.25	-0.027	36	1.81	17.478	53	94.6	16.73	63	94.6		MA	4691	P -76 1539
75		8.0	49 27.650	0.0085	25	-72 31 34.89	-0.004	36	1.52	27.267	53	04.8	34.70	63	04.8		MA	4694	P -72 2648
76		8.2T	49 34.980	0.0654	12	-77 34 17.00	-0.163	12	0.66	31.681	22	99.6	8.43	21	97.5	K2	GC	30697	P -77 1522
77		9.0	49 37.004	0.0138	25	-74 9 24.74	-0.027	36	1.43	36.421	53	07.8	23.60	63	07.8		MA	4693	P -74 2019
78		7.3T	50 14.351	-0.0439	14	-73 40 7.03	-0.416	12	0.68	16.464	22	01.8	-45.85	19	99.1	G0	GC	30623	P -74 2021
79		6.8T	51 15.952	0.0121	09	-70 21 8.38	-0.059	09	0.55	15.281	21	94.5	4.92	19	91.1	A0	GC	30647	P -70 2884
80		6.7T	51 22.687	0.0089	09	-70 18 17.46	-0.037	09	0.56	22.223	19	97.7	15.32	18	91.5	A2	GC	30651	P -70 2885
81		7.5T	51 35.306	0.0193	11	-79 57 29.64	-0.056	11	0.63	34.277	18	96.7	26.56	17	95.0	K0	GC	30658	P -80 1034
82		9.0T	51 39.427	0.0212	12	-70 46 25.68	-0.027	11	0.62	38.366	22	99.9	24.29	19	99.4	G5	GC	30660	P -71 2648
83		6.6T	52 9.392	-0.0297	10	-76 26 57.32	0.029	12	0.64	10.955	21	97.4	58.84	19	97.6	K0	GC	30668	P -76 1540
84		8.7	53 15.675	0.0044	25	-72 13 12.81	-0.032	36	1.72	15.446	53	97.8	11.16	63	97.8		MA	4709	P -72 2651
85		8.6	54 50.189	-0.0006	25	-71 59 16.51	0.021	36	1.66	50.220	53	99.8	17.54	63	99.8		MA	4715	P -72 2652
86		9.2	55 5.033	0.0274	25	-72 1 7.64	0.048	36	1.63	3.659	45	99.8	10.03	53	99.8		MA	4717	P -72 2653
87		9.0	55 20.111	0.0188	25	-74 7 52.40	0.006	36	1.70	19.141	53	98.5	52.71	63	98.5		MA	4716	P -74 2022
88		9.4	55 26.660	0.0110	25	-74 21 21.87	-0.053	36	1.63	26.120	53	00.8	19.26	63	00.8		MA	4718	P -74 2023
89		8.4T	56 19.059	0.0062	13	-70 44 48.86	0.018	12	0.68	18.751	21	00.2	49.78	19	97.8	K2	GC	30756	P -71 2652
90		6.6T	56 43.719	-0.0071	05	-77 54 11.36	0.002	05	0.24	44.026	09	06.6	11.44	09	03.9	A5	GC	30764	P -78 1430
91		6.5T	57 20.967	-0.0035	12	-75 55 10.07	-0.028	10	0.61	21.146	22	99.0	8.62	19	98.3	K5	GC	30771	P -76 1541
92		8.2T	57 23.902	0.0123	12	-77 33 5.64	-0.022	11	0.61	23.281	21	99.7	4.45	18	96.9	A5	GC	30773K	P -77 1528
93		5.9T	58 13.767	0.0055	08	-76 21 31.84	-0.067	07	0.33	13.541	12	08.8	28.91	12	06.3	F2	GC	30788K	P -76 1542
94		8.3	58 29.795	0.0040	25	-74 41 22.91	0.007	36	1.41	29.629	53	08.5	23.19	63	08.5		MA	4729	P -75 1742
95		9.1	59 22.294	0.0039	25	-78 25 19.30	-0.053	36	1.75	22.086	53	96.8	16.46	63	96.8		MA	4731	P -78 1433
96		8.1	59 34.671	0.0055	25	-72 59 3.23	-0.055	36	1.70	34.382	45	97.4	0.32	53	97.4		MA	4735	P -73 2247
97		9.1	22 2 44.528	0.0208	33	-73 37 16.44	0.024	43	2.30	43.338	75	92.7	17.81	57	92.7		M3	2820	
98		9.1	2 50.800	0.0043	33	-70 11 15.43	0.012	43	2.26	50.559	75	93.8	16.12	57	93.8		M3	2822	
99		8.9	3 21.665	0.0074	33	-71 52 3.58	0.019	43	2.30	21.243	75	92.7	4.64	57	92.7		M3	2823	
00		6.8T	3 49.375	0.0205	10	-70 31 49.86	0.009	08	0.53	48.279	19	96.4	50.38	18	90.3	F8	GC	30916	P -70 2899

258000

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ s	EPOCH 1950 σ_μ ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ' ″	EPOCH 1950 σ'_μ ″.001	EPOCH 1950 σ_{1950} ″	ORIGINAL EPOCH α_2 s	ORIGINAL EPOCH σ ″.01	ORIGINAL EPOCH ep.	ORIGINAL EPOCH δ_2 ″	ORIGINAL EPOCH σ' ″.01	ORIGINAL EPOCH ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 22H DM NUMBER
1		8.9	22 4 0.338	-0.0119	25	-77 24 20.78	-0.099	36	1.75	0.969	53	96.8	15.50	63	96.8		M4	4740	P -77 1530
2		6.9T	5 19.185	0.0069	09	-71 8 58.82	-0.014	09	0.51	18.817	19	96.7	58.03	19	94.7	K0	GC	30950	P*-71 2661
3		6.5T	6 2.724	0.0123	13	-76 7 36.07	0.000	12	0.68	2.120	22	00.8	36.07	19	97.0	K2	GC	30970	P -76 1547
4		8.4	6 41.734	0.0004	25	-72 13 21.20	-0.020	36	1.75	41.713	53	96.8	20.11	63	96.8		M4	4752	P -72 2665
5		8.4T	7 4.395	0.0022	12	-71 6 49.22	-0.029	12	0.66	4.284	22	99.3	50.70	21	98.2	K0	GC	31000	P -71 2663
6		6.2T	7 15.718	-0.0099	10	-76 21 44.66	-0.040	08	0.53	16.230	19	98.3	42.42	18	94.2	K0	GC	31004	P -76 1549
7		9.0	8 14.815	-0.0032	25	-77 35 29.58	0.012	36	1.60	14.972	53	01.8	30.14	63	01.8		M4	4754	P -77 1534
8		9.1	8 39.828	0.0037	25	-73 17 41.37	-0.020	36	1.51	39.653	36	03.1	40.44	45	03.1		M4	4757	P -73 2249
9		9.0	8 54.334	0.0028	25	-74 10 43.15	0.002	36	1.72	54.186	53	97.8	43.26	63	97.8		M4	4758	P -74 2029
10		8.3	8 59.936	0.0155	25	-78 34 46.65	-0.006	36	1.41	59.290	53	08.4	46.38	63	08.4		M4	4755	P -78 1438
11		8.8	9 43.317	0.0023	25	-70 5 30.50	0.002	36	1.57	43.210	53	02.8	30.61	63	02.8		M4	4762	P -70 2905
12		8.4	9 45.833	0.0176	25	-77 11 25.27	-0.003	36	1.46	45.075	53	06.8	25.12	63	06.8		M4	4759	P -77 1535
13		8.4	9 54.621	0.0238	25	-73 39 32.36	-0.052	36	1.40	53.642	53	08.8	30.21	63	08.8		M4	4761	P -74 2030
14		8.9	10 0.003	0.0072	33	-79 36 6.82	-0.061	43	2.30	-59.590	75	92.7	3.32	57	92.7		M3	2835	
15		9.1	10 16.051	0.0046	25	-77 11 5.71	-0.031	36	1.46	15.854	53	06.8	4.35	63	06.8		M4	4760	P -77 1536
16		8.4	10 19.552	-0.0067	25	-75 14 38.27	0.022	36	1.75	19.911	53	96.8	39.42	63	96.8		M4	4764	P -75 1744
17		6.8T	11 16.980	0.0109	11	-70 54 3.80	-0.043	12	0.64	16.378	19	94.7	1.49	19	97.0	K0	GC	31093	P -71 2671
18		9.0	12 42.536	0.0005	25	-78 40 51.81	-0.059	36	1.43	42.515	53	07.8	49.30	63	07.8		M4	4771	P -79 1196
19		8.7	12 59.835	-0.0087	25	-75 11 59.58	0.051	36	1.46	+ 0.223	45	05.6	+ 1.82	53	05.6		M4	4772	P -75 1745
20		5.6T	13 2.861	-0.0160	08	-77 45 42.41	0.013	06	0.28	3.473	10	11.7	42.91	09	10.0	A5	GC	31133	P*-78 1442
21		9.2	13 45.727	0.0074	25	-72 13 22.15	-0.006	36	1.66	45.355	53	99.8	21.82	63	99.8		M4	4775	P -72 2675
22		8.4T	15 9.898	-0.0114	12	-79 32 45.19	0.009	11	0.62	10.484	18	98.8	45.66	15	96.2	A3	GC	31186	P -79 1197
23		8.7	15 14.620	-0.0171	25	-76 22 19.90	0.039	36	1.60	15.444	53	01.8	21.77	63	01.8		M4	4777	P -76 1551
24		7.4T	16 51.092	-0.0012	14	-75 13 9.57	0.004	12	0.68	51.148	19	01.7	9.75	17	97.0	M0	GC	31213	P -75 1746
25		8.9	16 53.902	0.0255	25	-78 37 30.73	-0.048	36	1.51	52.750	53	04.8	28.54	63	04.8		M4	4780	P -78 1445
26		9.0	17 48.349	0.0013	33	-70 55 40.56	-0.043	43	2.30	48.274	75	92.8	38.08	57	92.8		M3	2857	
27		9.1	18 5.718	-0.0157	25	-70 26 2.95	-0.003	36	1.48	6.410	53	05.8	2.80	63	05.8		M4	4786	P -70 2921
28		9.0T	19 6.595	0.0076	12	-79 27 37.66	0.002	11	0.63	6.211	21	99.6	37.74	18	96.2	A2	GC	31258	P -79 1199
29		8.5T	19 21.499	0.0139	12	-77 6 23.08	-0.011	11	0.63	20.801	21	99.6	22.46	19	95.7	G5	GC	31264	P -77 1540
30		9.3	19 30.531	0.0018	25	-73 31 4.48	0.054	36	1.54	30.450	53	03.8	6.97	63	03.8		M4	4789	P -73 2251
31		8.9T	19 34.733	0.0075	13	-73 3 25.78	-0.026	12	0.64	34.380	21	02.8	24.44	19	99.1	A0	GC	31269K	P -73 2252
32		8.2T	19 39.058	0.0058	13	-73 3 23.85	-0.006	11	0.65	38.773	22	00.6	23.53	19	97.8	A0	GC	31271K	P -73 2253
33		5.4T	20 21.963	0.2890	06	-72 29 58.85	-0.686	05	0.26	9.996	09	08.6	28.28	07	05.4	G0	GC	31284	P*-72 2690
34		6.0T	21 18.072	0.0259	07	-70 41 5.11	-0.000	07	0.30	17.027	10	09.6	2.52	12	07.2	F0	GC	31301	P -71 2686
35		8.6	21 27.909	-0.0078	25	-74 58 29.61	0.013	36	1.72	28.315	53	97.8	30.30	63	97.8		M4	4796	P -75 1747
36		6.2T	21 33.890	0.0155	09	-75 16 11.72	0.026	08	0.53	33.000	21	92.7	13.26	19	89.9	G0	GC	31308K	P -75 1748
37		9.2	22 3.401	-0.0069	25	-76 1 43.58	0.076	36	1.63	3.691	53	00.8	47.32	63	00.8		M4	4799	P -76 1556
38		9.0	22 5.230	0.0075	25	-78 46 54.24	0.025	36	1.43	4.915	53	07.8	55.27	63	07.8		M4	4795	P -79 1201
39		8.9	22 7.211	0.0275	25	-72 40 4.66	-0.043	36	1.46	6.024	53	06.8	2.79	63	06.8		M4	4800	P -73 2257
40		7.8T	22 50.854	0.0186	13	-77 58 18.45	-0.103	12	0.66	49.938	22	00.8	13.26	19	99.8	F8	GC	31330	P -78 1447
41		8.5T	24 47.689	0.0023	15	-72 43 36.95	0.007	17	0.78	47.578	21	02.6	37.27	22	03.3	K0	GC	31367	P -73 2259
42		6.8T	25 9.958	0.0016	13	-78 28 8.13	0.007	12	0.68	9.875	21	99.2	8.48	19	96.8	K2	GC	31373	P -78 1449
43		9.1	25 33.175	-0.0051	25	-78 15 41.28	-0.009	36	1.57	33.419	45	01.8	40.87	53	01.8		M4	4804	P -78 1450
44		8.0T	25 59.427	0.0008	12	-76 56 17.46	-0.072	11	0.65	59.387	19	98.0	13.52	19	95.5	F5	GC	31394	P -77 1544
45		9.2	26 31.606	0.0024	25	-72 0 13.76	-0.027	36	1.52	31.498	53	04.8	12.52	63	04.8		M4	4792	P -72 2689
46		8.0	27 16.896	0.0184	25	-71 29 43.30	-0.073	36	1.75	15.919	53	96.8	39.39	63	96.8		M4	4815	P -71 2699
47		9.0	29 25.144	-0.0057	25	-75 2 49.43	0.013	36	1.63	25.427	53	00.8	50.05	63	00.8		M4	4825	P -75 1751
48		7.9T	30 38.118	-0.0117	14	-78 52 19.83	-0.004	12	0.69	38.688	22	01.4	19.64	19	97.4	G0	GC	31496	P -79 1205
49		6.1T	30 45.510	-0.0143	10	-79 1 48.89	-0.003	08	0.51	44.793	18	99.9	48.74	18	93.2	K0	GC	31498	P -79 1206
50		9.1	31 3.554	-0.0039	33	-75 48 59.04	0.024	43	2.30	3.776	75	92.8	+ 0.42	57	92.8		M3	2880	
51		8.3T	22 31 19.194	-0.0341	13	-72 48 41.76	0.099	12	0.65	20.829	21	02.0	46.77	19	99.3	G0	GC	31504	P -73 2260
52		7.0T	32 21.513	0.0060	10	-71 13 22.95	0.008	09	0.54	21.207	19	99.1	23.37	19	95.8	K0	GC	31523	P -71 2706
53		6.7T	32 28.161	0.0281	12	-72 58 18.29	-0.026	12	0.63	26.784	21	00.9	16.94	19	98.3	K0	GC	31526	P -73 2261
54		8.7	33 4.608	-0.0018	33	-71 52 30.40	0.037	43	2.26	4.710	75	93.8	32.47	57	93.8		M3	2884	
55		9.2	35 12.521	0.0310	25	-78 21 31.44	-0.131	36	1.43	11.214	53	07.9	25.93	63	07.9		M4	4841	P -78 1452
56		9.2	35 40.157	0.0103	25	-72 29 45.25	-0.039	36	1.72	39.620	53	97.8	43.22	63	97.8		M4	4846	P -72 2707
57		9.0	35 56.647	-0.0044	25	-74 12 40.34	-0.042	36	1.57	56.854	53	02.8	38.36	63	02.8		M4	4848	P -74 2040
58		9.3	38 7.651	-0.0069	25	-70 1 1.72	0.009	36	1.77	8.025	53	95.8	2.23	63	95.8		M4	4854	P -70 2951
59		8.7	39 4.863	0.0485	25	-79 7 14.29	-0.016	36	1.56	2.590	53	03.2	13.56	63	03.2		M4	4853	P -79 1209
60		9.2	39 11.432	-0.0117	25	-72 24 3.88	0.008	36	1.70	12.048	45	97.4	4.29	53	97.4		M4	4857	P -72 2714
61		9.1	39 50.861	-0.0020	25	-78 16 53.73	0.015	36	1.63	50.958	53	00.8	54.48	63	00.8		M4	4856	P -78 1455
62		9.0	39 56.012	0.0063	33	-72 38 55.44	0.063	43	2.30	55.653	75	92.7	58.46	57	92.7		M3	2896	
63		7.7T	40 24.970	-0.0127	12	-75 4 58.87	-0.016	11	0.63	25.586	21	01.4	58.04	19	97.5	F5	GC	31696	P -75 1759
64		8.9	40 27.317	-0.0119	33	-70 47 22.05	-0.014	43	2.30	27.998	75	92.8	21.24	57	92.8		M3	2900	
65		9.1	41 49.635	0.0026	25	-74 13 54.48	0.010	36	1.72	49.499	53	97.8	54.99	63	97.9		M4	4860	P -74 2043
66		7.4T	42 25.266	-0.0098	12	-75 41 8.19	0.014	12	0.65	25.769	21	98.8	8.93	19	96.5	A2	GC	31740	P -76 1564
67		9.3	43 48.860	0.0026	25	-74 7 56.97	-0.058	36	1.63	48.732	53	00.8	54.11	63	00.8		M4	4865	P -74 2045
68		7.4T	44 57.066	0.0035	10	-71 11 51.92	0.005	07	0.53	56.881	19	97.3	52.21	17	88.3	K5	GC	31799	P -71 2723
69		6.7T	45 34.798	0.0244	09	-77 18 55.64	0.016	09	0.54	33.478	19	96.0	56.57	19	93.4	A2	GC	31815	P -77 1554
70		6.4T	45 44.957	0.0028	08	-70 36 46.68	0.041	09	0.52	44.802	19	94.3	49.04	18	92.0	A2	GC	31820	P -71 2726
71		8.7	45 46.543	0.0037	25	-76 36 54.23	-0.022	36	1.75	46.348	53	96.8	53.08	63	96.8		M4	4872	P -77 1555
72		8.9	45 51.297	0.0046	25	-79 27 27.39	-0.058	36	1.39	51.106	45	08.8	25.01	63	08.8		M4	4869	P -79 1213
73		8.5	46 34.120	0.0217	25	-79 25 53.10	-0.049	36	1.45	33.228	53	08.8	51.10	63	08.8		M4	4877	P -79 1215
74		8.6	46 57.449	-0.0133	25	-77 3 16.86	0.077	36	1.72	58.144	53	97.8	20.90	63	97.8		M4	4881	P -77 1556
75		8.5	47 21.213	-0.0015	25	-73 34 21.96	-0.007	36	1.44	21.277	45	06.1	21.65	53	06.1		M4	4884	P -73 2271
76		9.1	47 32.123	0.0001	25	-70 10 54.64	-0.047	36	1.51	32.118	53	04.8	52.54	63	04.8		M4	4886	P -70 2967
77		7.7T	47 34.175	0.0070	13	-71 41 26.83	0.021	15	0.72	33.831	22	01.2	27.83	22	01.7	G0	GC	31850	P -72 2723
78		9.0	48 36.043	-0.0008	25	-72 9 10.64	-0.057	36	1.64	36.083	53	00.5	7.80	63	00.5		M4	4888	P -72 2726
79		10.0*	49 33.864	-0.0229	33	-74 54 39.29	-0.046	43	2.30	35.176	75	92.8	36.65	57	92.8		M3	2916	*
80		8.2	50 26.683	0.0056	25	-73 40 30.07	0.003	36	1.63	26.410	53	00.9	30.22	63	00.9		M4	4895	P -74 2047
81		8.4T	50 38.129	0.0030	12	-79 59 10.78	-0.029	12	0.64	37.982	19	01.3	9.25	19	97.8	K2	GC	31911	P -80 1057
82		7.7T	50 41.958	0.0051	13	-75 7 52.64	0.007	11	0.64	41.712	21	02.0	53.03	18	95.8	F2	GC	31914	P -75 1764
83		8.7	50 54.583	0.0143	25	-79 42 11.82	0.022	36	1.49	53.951	53	05.8	12.77	63	05.8		M4	4894	P -80 1058
84		6.1H	51 12.632	-0.0077	03	-70 20 29.10	-0.073	03	0.12	12.908	06	14.0	31.62	05	15.6	G0	F4	865	P -70 2971
85		7.9T	52 12.307	0.0047	12	-75 15 43.95	-0.003	12	0.65	12.071	21	99.9	43.80	19	97.8	K0	GC	31947	P -75 1766
86		9.0	52 38.006	-0.0623	25	-77 3 53.76	0.094	36	1.41	40.591	53	08.5	57.67	63	08.5		M4	4904	P -77 1558
87		7.7	53 2.697	0.0013	25	-72 45 8.26	-0.008	36	1.75	2.629	53	96.8	7.83	63	96.8		M4	4905	P -73 2275
88		8.8	53 28.485	0.0042	25	-76 0 24.57	0.025	36	1.46	28.299	45	05.6	25.67	53	05.6		M4	4906	P -76 1565
89		9.2	53 46.214	-0.0028	25	-76 1 43.38	0.066	36	1.45	46.338	45	05.6	46.28	53	05.8		M4	4908	P -76 1566
90		8.1	54 18.852	-0.0109	25	-70 52 2.91	-0.042	36	1.78	19.442	53	95.8	0.62	63	95.8		M4	4910	P -71 2735
91		8.1	54 23.956	-0.0058	25	-71 59 11.04	-0.020	36	1.72	24.259	53	97.8	9.98	63	97.8		M4	4911	P -72 2736
92		8.6T	54 46.068	-0.0029	11	-74 2 41.52	0.043	10	0.62	46.223	21	97.1	43.91	18	94.5	K0	GC	31997	P -74 2049
93		9.3	55 50.759	0.0038	25	-78 0 6.37	0.011	36	1.43	50.598	53	07.8	6.85	63	07.8		M4	4912	P -78 1461
94		9.1	56 17.232	0.0122	25	-76 9 51.11	-0.026	36	1.75	16.583	53	96.8	49.72	63	96.8		M4	4916	P -76 1567
95		9.2	56 57.175	0.0403	25	-73 5 0.88	0.020	36	1.56	55.287	53	03.2	1.81	63	03.2		M4	4921	P -73 2277
96		9.0	57 25.537	0.0455	25	-79 9 32.34	-0.084	36	1.60	23.343	53	01.8	28.31	63	01.8		M4	4919	P -79 1220
97		8.5	58 15.650	0.0091	25	-74 58 58.41	-0.030	36	1.72	15.174	53	97.5	56.83	63	97.5		M4	4925	P -75 1768
98		8.1	58 44.400	-0.0069	25	-70 53 47.13	-0.051	36	1.77	44.773	53	95.8	44.36	63	95.9		M4	4928	P -71 2738
99		8.0	58 51.068	0.0113	25	-72 17 11.61	-0.017	36	1.66	50.502	53	99.8	10.76	63	99.8		M4	4930	P -72 2743
00		9.0	59 12.826	0.0027	25	-77 5 16.07	-0.043	36	1.43	12.714	53	07.8	14.27	63	07.8		M4	4929	P -77 1559

258100

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	EPOCH 1950 μ_α s	σ_{μ_α} ″.001	EPOCH 1950 δ_{1950} ° ′ ″	EPOCH 1950 μ_δ ″	σ_{μ_δ} ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 23H DM NUMBER
1		8.0	23 2 50.984	-0.0045	25	-73 14 31.27	-0.004	36	1.75	51.223	53	96.8	31.07	63	96.8		M4	4938	P -73 2278
2		8.7	2 51.953	-0.0139	33	-73 45 30.64	-0.007	43	2.27	52.747	63	92.8	30.22	57	92.8		M3	2943	
3		8.9	3 36.834	-0.0014	33	-78 34 31.64	0.041	43	2.35	36.912	75	92.7	34.01	57	92.7		M3	2944	
4		8.4	3 52.580	0.0166	25	-78 55 48.61	0.014	36	1.37	51.914	53	09.8	49.19	63	09.8		M4	4939	P -79 1227
5		6.2T	4 23.756	0.0313	06	-79 45 3.96	-0.032	05	0.24	22.423	09	07.4	2.48	09	04.4	A2	GC	32194	P -80 1064
6		6.1T	5 9.107	0.0073	09	-73 51 26.12	-0.009	08	0.52	8.679	18	91.7	25.57	17	87.3	K0	GC	32213	P -74 2064
7		9.3	5 33.339	0.0082	25	-72 3 2.37	0.003	36	1.54	32.961	53	03.8	2.49	63	03.8		M4	4947	P -72 2749
8		8.4	5 37.169	0.0132	25	-76 10 10.46	-0.062	36	1.73	36.472	53	97.2	7.70	63	97.2		M4	4946	P -76 1572
9		9.1	6 36.693	0.0041	25	-70 58 33.89	-0.008	36	1.77	36.470	53	95.8	33.44	63	95.8		M4	4951	P -71 2749
10		8.1T	7 10.632	-0.0027	13	-76 44 5.87	-0.004	11	0.64	10.763	21	02.0	5.69	19	97.9	MB	GC	32258	P -77 1563
11		8.0	8 2.520	-0.0057	25	-72 47 51.75	-0.002	36	1.75	2.824	53	96.8	51.59	63	96.8		M4	4960	P -73 2279
12		9.0	8 17.455	0.0008	25	-78 3 17.11	0.046	36	1.60	17.416	53	01.9	19.34	63	01.9		M4	4959	P -78 1466
13		9.0	8 55.780	0.0081	25	-71 8 53.38	-0.016	36	1.45	55.414	53	05.0	52.65	63	05.0		M4	4962	P -71 2752
14		8.1	8 59.105	-0.0019	25	-70 23 6.21	0.016	36	1.43	59.184	53	07.8	6.87	63	07.8		M4	4963	P -70 2996
15		9.1	9 27.795	0.0071	25	-71 8 4.12	0.009	36	1.46	27.478	45	05.6	4.51	53	05.6		M4	4965	P -71 2753
16		8.4	9 41.935	0.0326	25	-78 37 6.37	-0.074	36	1.74	40.202	53	96.9	2.46	63	96.9		M4	4964	P -79 1229
17		9.1	10 36.538	-0.0103	25	-77 11 19.50	0.047	36	1.60	37.036	53	01.8	21.79	63	01.8		M4	4967	P -77 1566
18		8.5	10 47.472	-0.0065	25	-73 25 22.41	-0.014	36	1.43	47.744	53	07.9	21.83	63	07.9		M4	4968	P -73 2282
19		7.1T	10 54.428	0.0332	13	-70 19 55.06	0.078	12	0.67	52.782	22	00.4	59.17	21	97.6	G0	GC	32330	P -70 2999
20		8.4	11 59.257	-0.0082	25	-78 10 1.91	-0.030	36	1.42	59.599	53	08.2	0.67	63	08.2		M4	4971	P -78 1468
21		10.0	12 15.950	-0.0019	25	-71 6 1.06	0.008	36	1.43	16.028	53	07.8	1.39	63	07.8		M4	4975	P -71 2756
22		8.2	12 33.565	0.0046	25	-74 8 58.06	-0.031	36	1.75	33.320	53	96.8	56.41	63	96.8		M4	4977	P -74 2058
23		8.0	12 59.047	-0.0069	25	-70 10 39.52	-0.019	36	1.65	59.390	53	00.2	38.59	63	00.2		M4	4978	P -70 3000
24		7.7T	13 27.044	0.0089	12	-70 31 26.68	0.016	12	0.67	26.596	22	99.6	27.53	19	95.7	MC	GC	32378	P -70 3001
25		7.8T	13 39.585	0.0050	11	-79 42 25.98	0.007	12	0.63	39.323	21	97.6	26.34	21	96.4	A5	GC	32387	P -80 1065
26		8.0T	15 8.150	0.0009	13	-74 47 20.96	0.002	12	0.66	8.108	21	00.3	21.06	19	97.6	F8	GC	32424	P -75 1777
27		6.3T	15 26.548	0.0076	10	-79 44 47.02	0.012	09	0.57	26.146	21	97.0	47.70	18	92.0	K0	GC	32433	P -80 1067
28		8.7	16 19.311	0.0221	25	-70 35 48.07	-0.060	36	1.51	18.314	53	04.9	45.34	63	04.9		M4	4987	P -71 2757
29		9.1	16 33.725	0.0043	25	-72 40 7.14	-0.022	36	1.63	33.515	53	00.8	6.06	63	00.8		M4	4988	P -73 2284
30		7.4T	17 17.324	-0.0098	13	-75 54 25.07	0.046	09	0.61	17.793	21	02.3	27.66	18	93.2	F2	GC	32481	P -76 1576
31		7.6	18 28.575	-0.0028	33	-71 50 53.51	0.013	43	2.26	28.733	75	93.8	54.22	57	93.8		M3	2970	
32		8.2	18 40.739	-0.0056	25	-73 58 56.80	0.004	36	1.37	40.514	53	09.8	56.97	63	09.8		M4	4996	P -74 2064
33		9.7	19 26.072	-0.0093	33	-76 46 5.85	0.049	43	2.27	26.605	63	92.8	8.68	57	92.8		M3	2974	
34		8.2T	19 41.646	0.0180	12	-78 3 47.73	-0.017	12	0.65	40.754	21	00.4	46.90	21	00.0	F2	GC	32526	P -78 1471
35		7.0T	21 11.617	0.0014	12	-72 26 21.26	-0.029	11	0.64	11.545	21	98.7	19.64	19	94.9	F8	GC	32554	P -72 2759
36		8.4	21 11.891	0.0181	25	-71 2 7.28	0.013	36	1.52	11.072	53	04.8	7.85	63	04.8		M4	5006	P -71 2760
37		8.1	21 54.735	0.0139	25	-76 22 49.91	-0.046	36	1.75	53.934	53	96.8	47.43	63	96.8		M4	5007	P -76 1579
38		7.6	21 56.073	-0.0034	33	-73 32 54.12	0.041	43	2.26	56.267	75	93.8	56.43	57	93.8		M3	2979	
39		8.2	22 16.702	-0.0119	25	-71 11 6.68	0.001	36	1.43	17.202	53	07.8	6.71	63	07.8		M4	5008	P -71 2761
40		9.0	22 51.571	0.0087	25	-79 16 0.69	0.012	36	1.51	51.178	53	04.8	1.25	63	04.8		M4	5009	P -79 1233
41		9.0	23 17.633	-0.0108	25	-72 2 15.35	0.008	36	1.53	18.141	45	03.1	15.70	53	03.1		M4	5010	P -72 2761
42		9.3	23 39.216	-0.0093	25	-77 3 54.51	0.030	36	1.46	39.619	53	06.8	55.83	63	06.8		M4	5011	P -77 1573
43		7.6T	23 45.779	0.0094	12	-74 6 43.67	0.010	12	0.62	45.323	21	01.3	44.18	19	98.6	G5	GC	32601	P -74 2068
44		8.0	24 1.828	-0.0167	25	-73 9 23.40	0.033	36	1.37	2.500	53	09.8	24.72	63	09.8		M4	5014	P -73 2287
45		8.3	24 8.491	-0.0089	25	-70 39 35.55	-0.000	36	1.34	8.848	45	09.8	35.54	53	09.8		M4	5015	P -71 2763
46		8.8	26 15.816	-0.0027	33	-72 56 22.62	-0.021	43	2.29	15.971	75	92.8	21.41	57	92.8		M3	2988	
47		8.8	26 16.509	0.0162	25	-76 13 9.01	-0.004	36	1.48	15.794	53	05.8	9.18	63	05.8		M4	5022	P -76 1585
48		8.2	26 32.260	0.0157	25	-76 36 3.36	-0.017	36	1.37	31.629	53	09.8	2.70	63	09.8		M4	5023	P -77 1577
49		9.0	26 47.251	-0.0068	25	-71 56 20.46	-0.025	36	1.37	47.525	53	09.8	19.44	63	09.8		M4	5025	P -72 2762
50		8.2T	27 59.950	0.0113	11	-74 24 37.93	0.038	10	0.63	59.348	21	96.7	40.09	19	93.1	G0	GC	32688K	P*-74 2071
51		8.1Q	23 29 18.434	0.0115	09	-74 28 40.73	-0.053	11	0.64	17.741	17	89.7	37.66	18	92.1	MB	GC	32723	P -74 2074
52		9.1	29 39.546	-0.0049	25	-70 11 8.59	-0.096	36	1.60	39.782	53	01.8	4.27	63	01.8		M4	5032	P -70 3008
53		9.1	29 44.046	0.0105	25	-79 12 46.95	-0.038	36	1.73	43.491	53	97.2	44.97	63	97.2		M4	5031	P -79 1236
54		5.8T	30 8.415	0.0052	06	-77 39 42.03	-0.007	05	0.23	8.202	07	09.3	42.33	07	07.9	K0	GC	32742	P -78 1473
55		8.5	30 18.504	-0.0190	25	-75 7 59.37	-0.070	36	1.77	19.535	53	95.8	55.58	63	95.8		M4	5035	P -75 1784
56		8.1T	30 49.917	0.0159	07	-74 0 46.55	-0.025	06	0.29	49.267	10	09.0	45.39	10	05.9	G5	GC	32755	P -74 2075
57		8.5	30 54.345	-0.0037	25	-72 22 19.37	0.004	36	1.75	54.541	53	96.8	19.56	63	96.8		M4	5039	P -72 2766
58		7.6T	31 37.246	0.0118	14	-71 14 26.17	0.089	12	0.69	36.666	21	01.0	30.87	19	97.5	F8	GC	32775	P -71 2765
59		8.8	31 49.178	0.0072	25	-70 20 45.61	-0.091	36	1.42	48.878	53	08.2	41.81	63	08.2		M4	5044	P -70 3011
60		9.0	31 51.594	0.0035	25	-79 21 16.98	0.000	36	1.60	51.423	53	01.9	16.98	63	01.9		M4	5042	P -79 1238
61		9.1	32 55.401	0.0086	25	-73 13 28.40	0.073	36	1.61	54.986	53	01.5	31.92	63	01.5		M4	5046	P -73 2294
62		9.0	34 16.588	0.0097	25	-78 25 52.07	0.028	36	1.72	16.081	53	97.9	53.52	63	97.9		M4	5049	P -78 1474
63		8.2	34 24.450	0.0020	25	-70 18 56.86	-0.036	36	1.65	24.348	53	00.2	55.08	63	00.2		M4	5051	P -70 3013
64		9.3	34 43.029	0.0242	25	-79 58 40.50	0.029	36	1.46	41.933	36	04.7	41.83	45	04.7		M4	5050	P -80 1073
65		7.6T	35 15.483	-0.0140	15	-71 10 50.63	0.025	12	0.71	16.153	21	02.1	51.94	19	98.7	K0	GC	32838	P -71 2767
66		6.0T	35 19.900	0.0270	09	-77 8 47.60	-0.028	09	0.54	18.471	19	97.0	46.02	18	93.5	K0	GC	32840	P -77 1583
67		7.4T	36 41.301	0.0307	09	-72 59 20.62	-0.730	08	0.51	39.643	19	95.9	-35.63	17	88.4	K0	GC	32863	P*-73 2299
68		8.8	36 55.638	0.0124	25	-76 23 19.05	0.028	36	1.48	55.128	53	08.8	20.21	63	08.8		M4	5060	P -76 1606
69		9.0	36 55.903	-0.0044	33	-75 31 12.60	0.003	43	2.29	56.156	75	92.8	12.80	57	92.8		M3	3010	
70		8.9	37 12.564	0.0021	25	-71 23 36.54	-0.002	36	1.80	12.449	53	94.9	36.45	63	94.9		M4	5062	P -71 2769
71		9.0	37 36.678	-0.0049	25	-70 13 54.01	-0.023	36	1.60	36.916	53	01.8	52.92	63	01.8		M4	5065	P -70 3014
72		9.0	38 59.212	0.0227	25	-75 10 20.15	0.012	36	1.52	58.187	53	04.8	20.68	63	04.8		M4	5069	P -75 1796
73		7.5T	40 27.126	0.0114	17	-71 5 47.13	0.062	13	0.77	26.584	21	02.5	50.35	19	98.5	G5	GC	32936K	P -71 2770
74		7.9T	40 38.665	0.0201	11	-74 29 32.37	0.051	11	0.61	37.646	19	99.3	35.12	19	95.7	F2	GC	32940	P*-74 2091
75		8.8	40 41.270	0.0185	25	-78 5 8.72	0.012	36	1.52	40.429	53	04.5	9.27	63	04.5		M4	5075	P -78 1479
76		8.5	41 1.592	-0.0053	25	-78 23 51.39	-0.013	36	1.72	1.868	53	97.5	50.71	63	97.5		M4	5077	P -78 1481
77		9.3	41 31.835	0.0172	25	-76 50 38.16	0.065	36	1.60	30.991	45	00.9	41.35	53	00.9		M4	5081	P -77 1585
78		6.0T	41 35.138	0.0501	06	-70 46 8.53	0.057	05	0.25	33.089	07	09.1	10.52	07	06.7	G5	GC	32957	P -71 2771
79		5.7T	41 41.013	0.0167	06	-79 4 9.76	-0.004	05	0.27	40.280	10	06.1	9.57	10	03.2	K0	GC	32960	P -79 1239
80		9.1	41 46.398	0.0034	33	-73 26 2.78	0.072	43	2.27	46.202	63	92.8	6.90	53	92.8		M3	3022	
81		8.5	42 22.381	0.0108	25	-74 54 58.95	-0.020	36	1.70	21.825	53	98.5	57.94	63	98.5		M4	5084	P -75 1802
82		8.4T	43 41.034	0.0056	13	-71 21 7.94	-0.021	12	0.67	40.751	21	99.8	6.86	19	97.3	A2	GC	32990	P -71 2774
83		9.4	43 42.130	-0.0078	25	-72 15 20.34	-0.005	36	1.64	42.517	53	00.5	20.08	63	00.5		M4	5088	P -72 2781
84		8.0T	44 17.716	0.0248	12	-73 22 38.10	0.006	12	0.65	16.479	19	00.1	38.39	18	97.6	F5	GC	33005	P -73 2313
85		8.4	44 23.053	-0.0085	25	-77 30 48.31	0.000	36	1.57	23.467	45	01.6	48.31	53	01.6		M4	5091	P -77 1588
86		7.1T	44 36.907	0.0159	14	-71 35 2.67	-0.043	12	0.70	36.139	22	01.8	0.45	21	97.9	K0	GC	33011K	P -72 2783
87		9.1	45 42.529	-0.0018	33	-76 36 26.34	0.052	43	2.29	42.625	75	92.9	29.31	57	92.9		M3	3028	
88		9.1	47 15.419	0.0068	33	-74 48 34.13	0.036	43	2.29	15.021	75	92.8	36.21	57	92.8		M3	3033	
89		8.7	47 35.117	-0.0048	25	-72 58 16.09	0.012	36	1.73	35.377	45	96.1	16.71	53	96.3		M4	5101	P -73 2320
90		8.8	47 53.690	-0.0040	25	-70 6 37.89	0.007	36	1.49	53.866	53	05.8	38.20	63	05.8		M4	5104	P -70 3022
91		9.0	49 7.274	0.0152	25	-77 3 5.23	0.034	36	1.53	6.577	53	04.2	6.79	63	04.2		M4	5111	P -77 1593
92		7.6T	50 6.569	0.0080	15	-72 40 40.53	0.001	12	0.72	6.179	22	01.4	40.56	19	97.8	F2	GC	33125	P -73 2324
93		9.0	50 19.892	0.0025	25	-74 12 28.78	0.021	36	1.45	19.789	53	08.8	29.64	63	08.8		M4	5115	P -74 2108
94		7.9	51 8.690	0.0110	33	-70 57 26.16	-0.001	43	2.25	8.059	57	92.8	26.13	45	92.8		M3	3044	
95		9.2	51 29.824	-0.0015	25	-77 48 53.07	-0.025	36	1.47	29.892	45	05.3	51.96	53	05.3		M4	5120	P -78 1484
96		8.6	51 38.099	-0.0052	25	-74 54 5.94	0.000	36	1.72	38.370	53	97.8	5.97	63	97.8		M4	5121	P -75 1818
97		8.4	51 45.441	0.0074	25	-76 26 38.67	0.001	36	1.71	45.057	53	98.2	38.73	63	98.2		M4	5122	P -76 1624
98		8.0	51 54.519	-0.0106	25	-73 24 26.39	-0.026	36	1.80	55.101	53	94.9	24.96	63	94.9		M4	5123	P -73 2326
99		7.7T	52 12.345	0.0285	12	-78 46 58.53	-0.019	11	0.63	10.881	17	98.7	57.50	15	95.9	G5	GC	33164	P -79 1243
00		8.8	52 17.550	0.0110	25	-70 0 55.33	-0.013	36	1.65	16.979	36	98.2	54.66	45	98.2		M4	5126	P -70 3025

258200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ_s s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-70° 23H DM NUMBER
1		9.0	23 53 42.206	0.0240	25	-71 8 51.08	-0.005	36	1.60	41.049	53	01.9	50.86	63	01.9		M4	5131	P -71 2780
2		8.5	54 31.211	0.0077	25	-74 34 48.37	0.019	36	1.68	30.814	45	98.1	49.33	53	98.1		M4	5134	P -74 2117
3		8.6	55 48.551	0.0064	25	-73 28 4.20	-0.006	36	1.65	48.219	36	98.4	3.89	45	98.4		M4	5139	P -73 2334
4		8.6	56 26.061	0.0006	25	-74 20 1.00	0.035	36	1.54	26.032	53	03.9	2.60	63	03.9		M4	5140	P -74 2122
5		8.5	58 11.117	-0.0048	25	-72 35 49.88	-0.006	36	1.51	11.345	36	02.9	49.57	45	02.9		M4	5149	P -73 2339
6		9.2	58 32.334	0.0175	33	-73 38 25.54	0.072	43	2.27	31.336	63	92.8	29.64	57	92.8		M3	3055	
7		4.7H	59 3.312	-0.0157	03	-77 20 30.15	-0.170	03	0.11	3.838	05	16.6	24.49	05	16.7	K0	F4	904	P -77 1596

258200

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-80° 0H DM NUMBER
8		7.9T	0 1 30.854	0.0199	12	-80 40 22.74	0.015	11	0.64	29.855	19	99.9	23.55	19	97.1	A5	GC	28	P -81 1050
9		8.7	2 9.381	-0.0138	25	-81 37 23.78	0.044	36	1.49	10.002	53	04.9	25.77	53	04.9		M4	5157	P -82 908
10		8.7	3 43.238	-0.0012	25	-84 22 36.81	-0.000	36	1.72	43.300	53	97.9	36.81	63	97.9		M4	3	P -84 1
11		8.9	3 57.146	0.0052	25	-80 2 45.32	0.015	36	1.63	56.892	53	00.9	46.08	63	00.9		M4	4	P -80 1
12		9.2	4 38.613	-0.0020	33	-85 39 14.45	0.049	43	2.29	38.726	75	92.8	17.23	57	92.8		M3	3	
13		9.1	4 53.222	0.0112	33	-81 45 52.43	0.008	43	2.29	52.583	75	92.8	52.90	53	92.8		M3	4	
14		7.4T	5 31.462	0.0352	07	-86 19 1.87	0.016	07	0.35	29.712	09	00.3	2.68	09	98.0	B9	GC	121	P -86 2
15		5.3T	7 48.524	-0.0101	02	-82 30 7.23	-0.014	02	0.13	49.003	05	02.7	6.49	06	98.5	K0	GC	173	P*-82 4
16		7.2T	9 21.473	0.0040	11	-80 27 8.33	0.007	11	0.62	21.271	19	99.2	8.72	19	96.8	G5	GC	203	P -80 3
17		5.7T	11 28.067	0.0082	06	-85 16 19.81	0.031	05	0.28	27.675	09	02.1	21.17	07	05.9	K5	GC	257	P -85 2
18		7.2H	12 16.820	0.0437	01	-88 38 27.64	0.000	02	0.07	14.876	03	05.5	27.64	03	11.4	A0	F4	1655	P -89 1
19		6.7T	13 55.945	0.1757	11	-80 7 42.85	-0.069	10	0.60	46.752	17	97.7	39.18	15	96.5	G0	GC	314	P -80 7
20		9.8	14 9.674	0.0093	25	-86 1 13.57	0.019	36	1.40	9.292	53	08.9	14.33	63	08.9		M4	47	P -86 3
21		9.2	16 12.869	0.0116	25	-83 20 24.22	-0.055	36	1.60	12.310	53	01.9	21.58	63	01.9		M4	56	P -83 3
22		9.0	17 58.800	0.0327	25	-85 21 37.74	-0.023	36	1.60	57.227	53	01.9	36.65	63	01.9		M4	62	P -85 3
23		8.3	20 2.847	0.0122	25	-84 1 15.56	-0.009	36	1.49	2.295	53	04.9	15.17	53	04.9		M4	72	P -84 6
24		9.3	25 14.321	0.0133	25	-80 16 20.11	0.031	36	1.62	13.670	53	01.2	21.63	63	01.2		M4	84	P -80 10
25		8.1T	25 20.368	0.0204	11	-83 24 56.62	0.004	12	0.66	19.309	22	98.1	56.81	22	94.6	F5	GC	541K	P*-83 6
26		9.0	25 40.232	-0.0080	25	-84 48 23.83	0.000	36	1.49	40.594	45	04.6	23.84	53	04.6		M4	90	P -85 5
27		9.0	27 0.600	0.0193	25	-81 30 3.94	0.043	36	1.54	-59.693	45	02.9	5.98	53	02.9		M4	93	P -81 6
28		9.3	28 19.114	-0.0560	33	-84 55 15.34	-0.044	43	2.29	22.309	75	92.9	12.84	57	92.9		M3	53	
29		8.5	30 58.611	-0.0228	25	-81 55 51.73	0.038	36	1.60	59.710	53	01.8	53.58	63	01.8		M4	104	P -82 10
30		9.4	33 27.069	-0.0427	33	-82 40 9.60	0.017	43	2.29	29.509	75	92.9	10.55	57	92.9		M3	65	
31		9.8	35 19.606	-0.0214	25	-84 5 34.38	-0.041	36	1.60	20.637	53	01.9	32.42	63	01.9		M4	118	P -84 8
32		8.7	35 50.134	0.1158	25	-86 58 49.17	0.015	36	1.51	44.909	53	04.9	49.84	63	04.9		M4	127	P -87 8
33		8.3	36 34.765	-0.0241	25	-81 27 12.43	-0.082	36	1.72	36.023	53	97.9	8.14	63	97.9		M4	122	P -81 8
34		8.0T	36 46.856	0.0602	09	-85 31 37.08	-0.044	09	0.42	44.259	12	06.7	35.09	10	04.4	K5	GC	779	P -85 7
35		9.3T	38 15.407	-0.0017	12	-83 18 26.06	0.003	12	0.65	15.492	21	00.5	26.24	21	96.3	A0	GC	808	P*-83 10
36		8.0T	38 23.033	0.0341	12	-80 55 52.22	0.006	11	0.64	21.320	19	99.8	52.57	19	94.8	G0	GC	811	P -81 9
37		7.7T	38 40.739	-0.0566	12	-85 41 11.22	-0.022	12	0.65	43.693	19	97.8	10.02	18	94.9	G5	GC	819	P -86 8
38		6.8T	39 36.473	0.1763	07	-85 58 29.82	0.000	07	0.34	27.925	09	01.5	29.83	09	99.6	K0	GC	835	P -86 9
39		9.2	44 29.503	0.0170	33	-86 33 5.64	-0.017	43	2.29	28.535	75	92.9	4.67	57	92.9		M3	103	
40		8.2T	44 48.765	0.0699	09	-86 9 52.83	0.005	09	0.57	44.547	14	89.7	53.15	12	88.1	G0	GC	942	P*-86 10
41		8.4	46 5.626	0.0312	25	-84 16 53.69	-0.317	36	1.70	4.013	53	98.2	37.27	63	98.2		M4	159	P -84 13
42		9.0	47 14.354	-0.0125	25	-80 28 2.54	-0.018	36	1.60	14.955	53	01.9	1.67	63	01.9		M4	160	P -80 14
43		8.0T	49 46.587	0.0857	10	-84 0 58.42	0.041	10	0.60	41.846	21	94.7	+ 0.85	21	91.2	F5	GC	1043	P -84 16
44		9.1	50 11.704	-0.0364	25	-83 41 41.55	-0.039	36	1.46	13.320	45	05.6	39.83	53	05.6		M4	173	P -84 17
45		8.7T	50 15.122	0.0074	13	-85 12 27.48	-0.015	14	0.71	14.767	21	01.8	26.71	24	00.5	F5	GC	1062	P -85 12
46		8.4T	54 4.256	0.0038	15	-82 56 22.32	0.049	15	0.76	4.083	24	03.7	24.76	24	99.7	M0	GC	1125	P -83 16
47		9.2	54 55.349	-0.0135	25	-80 58 47.85	-0.079	36	1.56	55.981	53	03.2	44.17	63	03.2		M4	186	P +81 15
48		9.3	55 41.701	-0.0187	25	-82 9 56.96	0.036	36	1.57	42.600	45	01.9	58.69	53	01.9		M4	189	P -82 14
49	1	9.0	1 1 1.376	0.0242	25	-84 21 29.65	0.001	36	1.63	0.190	53	00.9	29.68	63	00.9		M4	206	P -84 19
50		8.2T	3 14.775	0.0037	13	-83 31 20.75	0.017	12	0.69	14.586	21	99.6	21.69	21	95.7	K0	GC	1318	P*-83 21
51	1	9.1	3 43.322	-0.0006	25	-82 17 47.37	0.087	36	1.60	43.351	53	01.9	51.57	63	01.9		M4	215	P -82 15
52		9.4	4 20.896	-0.0075	33	-80 47 27.61	-0.043	43	2.29	21.323	75	92.9	25.17	57	92.9		M3	161	
53		9.4	4 52.655	0.0225	25	-80 19 44.03	0.004	36	1.51	51.638	53	04.9	44.21	63	04.9		M4	216	P -80 16
54		9.3	5 18.987	-0.0032	25	-85 58 6.24	0.021	36	1.49	19.127	53	05.6	7.19	63	05.6		M4	235	P -86 12
55		7.4T	5 25.928	-0.0036	07	-83 51 28.95	0.012	07	0.48	26.165	12	83.7	29.76	12	84.3	K0	GC	1375	P -84 20
56		9.4	6 17.662	0.0106	25	-80 50 46.04	0.013	36	1.51	17.188	53	04.9	46.64	63	04.9		M4	227	P -81 17
57		7.8T	6 28.703	0.0441	14	-81 54 54.01	-0.011	12	0.72	26.571	22	01.7	53.42	22	96.2	K0	GC	1391K	P*-82 16
58		8.2	7 22.424	-0.0068	25	-83 10 14.57	0.019	36	1.45	22.732	36	05.1	15.45	45	05.1		M4	236	P -83 22
59		8.7	7 50.155	0.0204	25	-82 20 26.12	0.036	36	1.41	49.311	53	08.6	27.62	63	08.6		M4	237	P -82 18
60		8.1	11 10.351	0.0285	25	-80 22 36.76	0.064	36	1.60	8.981	53	01.9	39.83	63	01.9		M4	245	P -80 17
61		9.0	12 21.545	0.0118	25	-85 57 5.32	0.000	36	1.68	20.941	53	98.9	5.34	63	98.9		M4	258	P -86 14
62		8.1T	16 38.587	0.0006	12	-81 48 13.95	0.010	11	0.62	38.563	15	97.9	14.48	15	97.1	K0	GC	1588	P -82 22
63		9.0	20 27.626	-0.0321	25	-81 16 46.18	-0.019	36	1.53	29.093	53	04.3	45.29	63	04.3		M4	280	P -81 25
64		9.1	23 31.339	-0.0076	25	-84 56 43.04	-0.051	36	1.50	31.678	53	06.2	40.75	63	05.2		M4	297	P -85 15
65		9.0T	24 55.637	0.0134	12	-80 9 20.91	-0.013	11	0.63	54.969	19	00.0	20.23	19	96.5	G5	GC	1760	P -80 24
66		9.2	25 23.858	0.0004	25	-81 7 52.04	-0.092	36	1.45	23.839	45	05.9	47.99	53	05.9		M4	296	P -81 26
67		9.3	29 51.783	0.0014	25	-82 28 19.34	-0.034	36	1.71	51.712	53	97.9	17.59	63	97.9		M4	312	P -82 25
68		7.3T	33 9.548	0.0146	12	-80 10 58.90	-0.011	11	0.63	8.826	18	00.6	58.32	17	98.0	A0	GC	1930	P -80 28
69		9.1	36 49.917	-0.0126	25	-84 19 19.48	-0.064	36	1.54	50.496	53	03.9	15.62	63	03.9		M4	346	P -84 23
70		7.6Q	38 15.617	0.0145	12	-82 32 5.02	-0.017	12	0.67	14.879	21	98.9	4.09	21	94.9	G5	GC	2037K	P*-82 28
71		5.9T	39 8.882	0.0681	03	-83 13 47.25	0.129	04	0.18	5.466	07	99.8	53.47	07	01.8	G0	GC	2063	P -83 27
72		7.4T	39 51.493	0.0403	14	-83 30 0.94	-0.029	12	0.69	49.601	21	03.1	-59.40	21	96.6	K0	GC	2083	P -83 28
73		5.6H	40 5.652	0.0275	02	-85 1 22.73	0.024	02	0.08	4.560	03	10.3	23.62	03	12.4	K0	F4	916	P -85 17
74		7.7T	41 50.310	-0.0006	12	-80 18 11.91	-0.011	11	0.63	50.341	19	99.9	11.31	19	96.4	A3	GC	2126	P -80 29
75		7.9T	42 21.489	0.0163	13	-80 9 51.71	0.029	12	0.65	20.701	21	01.7	53.19	19	98.5	F0	GC	2133	P*-80 30
76		7.4T	44 39.338	0.0028	13	-83 37 0.78	-0.007	12	0.71	39.198	21	00.0	0.39	21	95.4	G5	GC	2174	P -83 30
77		9.2	45 29.956	-0.0208	25	-81 59 48.11	0.070	36	1.53	30.909	53	04.3	51.30	63	04.3		M4	371	P -82 32
78		8.6	46 15.144	-0.0158	25	-86 2 43.88	0.032	36	1.46	15.848	45	05.4	45.30	53	05.4		M4	393	P -86 22
79		8.7	47 31.266	-0.0008	25	-85 1 27.63	-0.022	36	1.45	31.299	53	06.9	26.69	63	06.9		M4	392	P -85 19
80		6.1T	48 11.758	-0.0276	08	-80 25 25.82	-0.064	10	0.57	13.425	14	89.7	21.90	14	88.8	F0	GC	2228K	P -80 35
81		8.2T	48 14.417	0.0147	11	-82 55 16.46	0.015	12	0.63	13.707	21	01.7	17.26	21	97.0	F0	GC	2230	P -83 32
82		7.5T	50 27.551	0.0329	13	-81 36 21.14	-0.032	11	0.64	25.967	21	01.9	19.44	19	97.4	K0	GC	2282	P*-81 36
83		8.1T	56 43.735	0.0261	08	-85 16 45.50	0.011	07	0.38	42.569	10	05.3	46.03	10	01.8	A0	GC	2394	P*-85 22
84		7.0T	57 44.568	0.0282	07	-81 44 33.18	0.020	08	0.53	42.661	14	82.3	34.46	15	84.3	F0	GC	2422	P -82 34
85		7.2T	59 12.768	0.0064	08	-84 59 38.68	-0.003	07	0.38	12.378	10	03.7	38.51	10	01.3	K2	GC	2448	P -85 24
86		8.4T	59 57.878	-0.0370	12	-82 32 9.21	0.018	12	0.67	59.771	22	98.9	10.20	22	95.1	G5	GC	2457K	P*-82 37
87	2	7.9T	2 25.422	0.0126	13	-82 44 54.92	0.001	12	0.70	24.764	18	97.7	54.98	17	94.0	A5	GC	2508	P -83 35
88		8.9	5 6.737	0.0096	25	-86 25 28.49	0.051	36	1.68	6.249	53	99.0	31.11	63	99.0		M4	471	P -86 24
89		8.7T	5 35.711	-0.0040	15	-82 58 29.82	-0.016	16	0.77	35.896	22	03.9	29.05	24	01.9	K0	GC	2553	P -83 37
90		7.9T	6 31.853	0.0129	12	-82 32 14.91	0.002	11	0.63	31.221	19	00.8	15.02	19	95.9	B8	GC	2571	P*-82 39
91		7.9T	7 18.407	0.0508	06	-88 36 0.04	0.015	05	0.29	15.491	09	92.6	0.91	09	92.3	A0	GC	2590K	P*-88 22
92		9.9T	9 48.606	0.0053	14	-80 20 22.45	-0.006	14	0.70	48.362	21	03.9	22.16	21	02.0	K2	GC	2640	P -80 41
93		9.0	14 59.146	-0.0315	25	-80 48 56.77	-0.024	36	1.66	+ 0.763	45	98.7	55.53	53	98.7		M4	484	P -81 43
94		8.7	15 45.200	0.0258	25	-83 7 38.52	0.040	36	1.44	44.032	31	04.7	40.35	36	04.5		M4	490	P -83 40
95		8.9	16 35.221	-0.0206	33	-80 45 52.30	0.096	43	2.29	36.392	75	92.9	57.78	57	92.9		M3	327	
96		8.5	18 4.317	-0.0180	25	-82 44 39.08	-0.004	36	1.38	5.072	45	08.2	38.92	53	08.2		M4	500	P -82 42
97		7.9T	21 48.718	0.0139	12	-83 10 54.50	-0.007	12	0.70	47.967	18	95.9	54.11	18	93.1	K0	GC	2891	P -83 44
98		9.3	22 51.716	-0.0247	25	-81 11 45.21	-0.075	36	1.60	52.901	53	02.0	41.60	63	02.0		M4	511	P -81 48
99		8.6	23 48.062	-0.0035	33	-84 49 40.08	-0.012	43	2.29	48.264	75	92.9	39.37	57	92.9		M3	354	
00		8.9	25 11.728	-0.0160	25	-82 42 6.44	-0.029	36	1.40	12.387	53	08.9	5.25	63	08.9		M4	529	P -83 45

258300

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	$\sigma\mu$ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma\mu'$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-80° 2H DM NUMBER
1		9.2T	2 25 16.323	0.0095	16	-80 16 15.10	-0.027	16	0.77	15.889	22	04.3	13.83	22	03.5	K0	GC	2958	P -80 44
2		7.8H	28 8.640	0.0028	02	-85 56 32.73	-0.024	02	0.10	8.538	04	13.9	31.89	03	14.3	F0	F4	1656	P -86 28
3		9.0	28 12.642	0.0295	25	-80 20 37.84	-0.030	36	1.40	11.430	53	09.0	36.60	63	09.0		M4	538	P -80 46
4		8.3	31 16.941	0.0283	25	-87 32 46.01	0.048	36	1.54	15.639	53	03.9	48.20	63	03.9		M4	592	P -87 32
5		9.0	36 25.624	0.0155	33	-81 42 53.71	-0.063	43	2.29	24.738	75	92.9	50.14	57	92.9		M3	379	
6		7.5T	37 40.642	0.0123	13	-82 27 0.99	-0.098	12	0.70	40.023	21	99.6	55.69	21	95.7	G0	GC	3213	P -82 46
7		8.4H	38 6.392	-0.0423	03	-88 22 4.57	-0.021	03	0.11	8.141	04	08.7	3.79	04	13.5	G5	F4	1657	P -88 27
8		7.7T	38 16.576	-0.0069	13	-80 1 45.18	-0.001	12	0.69	16.924	21	99.3	45.11	19	97.7	G5	GC	3224	P*-80 54
9		9.1	39 13.480	-0.0303	33	-80 46 28.03	-0.033	43	2.29	15.209	75	92.9	26.12	57	92.9		M3	384	
10		9.0	39 25.953	0.0130	25	-81 22 4.05	-0.042	36	1.74	25.263	53	96.9	1.82	63	96.9		M4	574	P -81 56
11		7.3T	41 29.209	0.0006	09	-85 13 53.43	-0.017	08	0.40	29.183	12	04.2	52.59	10	01.9	K0	GC	3292	P -85 33
12		8.7	44 20.484	-0.0214	25	-80 13 22.93	-0.040	36	1.41	21.372	53	08.6	21.26	63	08.6		M4	594	P -80 59
13		9.4	48 7.210	-0.0047	25	-82 16 7.49	0.017	36	1.48	7.424	45	04.7	8.28	53	04.7		M4	610	P -82 49
14		8.1T	50 1.270	0.0183	08	-86 4 1.25	-0.007	07	0.38	0.393	10	02.1	0.91	10	99.5	A0	GC	3448	P -86 31
15		8.7	50 28.092	0.0290	25	-83 14 58.72	0.032	36	1.40	26.901	53	08.9	+ 0.03	63	08.9		M4	626	P -83 51
16		8.4T	51 17.986	-0.0048	12	-85 21 58.17	0.001	12	0.67	18.229	22	99.4	58.21	22	97.2	K5	GC	3479	P*-85 34
17		8.7	51 45.633	-0.0088	25	-84 7 5.14	-0.012	36	1.40	45.992	53	09.0	4.63	63	09.0		M4	631	P -84 32
18		8.8	52 10.589	0.0017	25	-80 26 4.97	0.020	36	1.60	10.505	45	01.0	5.96	53	01.0		M4	625	P -80 65
19		9.0	54 4.307	0.0233	33	-83 46 23.65	-0.017	43	2.25	2.974	57	92.8	22.66	45	92.8		M3	419	
20		9.2	55 28.046	-0.0173	33	-80 45 45.48	0.013	43	2.27	29.033	63	93.0	46.20	53	93.0		M3	417	
21		8.8	56 7.457	0.0088	25	-84 57 46.16	0.064	36	1.68	7.005	53	99.0	49.44	63	99.0		M4	651	P -85 35
22		9.0	56 36.285	0.0018	25	-80 30 47.90	0.033	36	1.69	36.193	53	98.7	49.58	63	98.7		M4	643	P -80 69
23		7.6T	3 2 44.916	0.0262	13	-81 17 7.03	0.043	12	0.67	43.642	21	01.3	9.34	21	95.8	F0	GC	3700	P -81 67
24		9.1	3 43.080	-0.0216	25	-82 5 42.76	0.088	36	1.54	44.076	53	04.0	46.83	63	04.0		M4	671	P -82 54
25		8.1	5 19.108	0.0264	25	-83 31 55.08	0.029	36	1.54	17.895	53	04.0	56.39	63	04.0		M4	684	P -83 58
26		9.2	6 51.618	0.0227	25	-80 43 9.72	0.022	36	1.68	50.458	53	99.0	10.83	63	99.0		M4	682	P -81 70
27		8.8	8 8.872	-0.0400	25	-83 15 43.25	-0.081	36	1.68	10.913	53	99.0	39.11	63	99.0		M4	694	P -83 60
28		8.9	9 3.309	0.0097	25	-86 53 47.91	0.023	36	1.71	2.806	53	98.0	49.10	63	98.0		M4	727	P -87 47
29		8.0	12 24.076	-0.0044	25	-85 27 39.32	0.015	36	1.60	24.285	53	02.0	40.04	63	02.0		M4	720	P -85 37
30		7.6T	14 45.415	-0.0038	09	-83 43 4.36	0.030	09	0.56	45.648	12	87.9	6.24	12	86.9	F0	GC	3931K	P -83 64
31		8.5	14 47.269	0.0198	25	-84 20 50.57	-0.001	36	1.58	46.331	53	02.7	50.53	63	02.7		M4	721	P -84 40
32		9.1	16 53.391	-0.0194	25	-86 0 15.72	0.035	36	1.54	54.285	53	04.0	17.35	63	04.0		M4	744	P -86 35
33		8.4T	17 55.399	-0.0077	12	-81 4 15.55	0.014	12	0.68	55.784	22	99.7	16.25	22	94.9	A2	GC	3999	P -81 78
34		8.4	22 52.180	-0.0006	33	-81 55 43.22	0.066	43	2.29	52.213	75	92.9	46.44	57	92.9		M3	470	
35		8.1T	24 4.290	-0.0244	13	-82 26 29.07	-0.063	12	0.68	5.501	22	00.4	26.18	22	95.1	F0	GC	4102	P*-82 64
36		8.0T	25 26.857	0.0355	12	-82 39 14.47	0.027	12	0.68	24.963	18	96.7	15.98	19	93.8	F5	GC	4125	P -82 65
37		8.6	26 14.648	-0.0032	25	-80 35 48.54	0.079	36	1.74	14.819	53	97.0	52.71	63	97.0		M4	754	P -80 81
38		8.8	31 21.154	-0.0070	25	-80 20 24.31	0.039	36	1.49	21.474	45	04.5	26.06	53	04.5		M4	774	P -80 85
39		7.8	31 21.957	-0.0097	25	-82 28 34.91	0.004	36	1.56	22.410	53	03.0	35.09	63	03.0		M4	778	P -82 68
40		7.8T	31 27.900	-0.0155	13	-80 52 43.87	0.015	12	0.68	28.675	21	00.0	44.67	21	95.5	K0	GC	4256	P -81 83
41		8.1T	34 54.656	0.0799	07	-84 53 5.86	0.064	06	0.35	50.652	09	99.9	9.23	09	97.0	G5	GC	4322	P*-85 40
42		9.2	34 59.211	0.0426	25	-83 29 18.75	0.059	36	1.51	57.297	53	05.1	21.42	63	05.1		M4	792	P -83 72
43		9.3	36 50.056	0.0083	25	-83 30 17.88	0.021	36	1.45	49.684	53	05.0	18.81	45	05.0		M4	802	P -83 73
44		8.9	37 27.125	0.0303	33	-87 45 38.85	-0.063	43	2.29	25.399	75	93.0	35.25	57	93.0		M3	551	
45		8.8	39 58.591	0.0063	25	-82 28 33.36	0.028	36	1.51	58.351	53	05.0	34.61	63	05.0		M4	812	P -82 70
46		7.8T	40 31.602	0.0096	13	-81 0 55.59	-0.028	12	0.69	31.122	22	00.1	54.03	17	94.6	K0	GC	4444K	P -81 88
47		9.7T	40 44.131	0.0022	17	-81 1 18.18	-0.050	16	0.81	44.029	24	04.4	15.74	24	01.4	A5	GC	4449K	P -81 89
48		8.5	42 25.826	-0.0111	25	-86 19 26.90	-0.050	36	1.56	26.349	53	03.0	22.41	63	03.0		M4	832	P -84 42
49		8.8	43 36.385	-0.0111	25	-84 20 26.67	-0.061	36	1.56	36.908	53	03.0	29.52	63	03.0		M4	846	P -84 43
50		8.2Q	45 9.828	-0.0086	13	-80 10 33.91	-0.004	12	0.68	10.255	19	00.2	33.68	19	96.6	F8	GC	4559K	P*-80 93
51		9.2	3 45 33.476	0.0064	25	-82 7 55.00	0.053	36	1.52	33.186	53	04.7	57.42	63	04.7		M4	836	P -82 73
52		9.1	46 39.059	-0.0210	25	-80 37 32.03	-0.016	36	1.48	39.983	53	06.0	31.32	63	06.0		M4	837	P -80 97
53		7.8T	48 33.824	-0.0086	11	-84 14 17.03	0.056	11	0.65	34.299	18	94.7	20.20	18	93.0	F2	GC	4645	P -84 44
54		8.0	49 13.666	-0.0102	25	-80 17 24.36	0.001	36	1.66	14.192	45	98.5	24.39	53	98.7		M4	851	P -80 98
55		8.9	51 16.228	-0.0214	25	-86 21 7.59	0.039	36	1.54	17.214	53	04.0	9.41	63	04.0		M4	886	P -86 42
56		6.7Q	51 23.402	0.0102	08	-85 24 55.04	0.014	09	0.52	22.779	10	88.9	55.90	10	87.1	B9	GC	4694K	P*-85 44
57		9.4	55 38.689	-0.0181	25	-84 19 58.52	0.016	36	1.59	39.558	53	02.1	59.28	63	02.1		M4	882	P -84 45
58		8.6	56 22.692	-0.0151	25	-80 43 19.43	-0.014	36	1.71	23.476	53	98.0	18.70	63	98.0		M4	876	P -80 104
59		8.5	58 9.386	0.0290	25	-83 10 23.59	0.024	36	1.71	7.882	53	98.1	24.84	63	98.1		M4	884	P -83 79
60		8.7	4 2 18.546	0.0037	25	-81 33 6.36	0.039	36	1.51	18.378	53	05.0	8.14	63	05.0		M4	897	P -81 97
61		9.5	3 37.583	0.0134	25	-82 27 23.08	0.020	36	1.51	36.982	53	05.0	23.97	63	05.0		M4	910	P -82 81
62		8.8	4 31.234	0.0127	25	-81 19 4.45	0.013	36	1.56	30.640	53	03.1	5.04	63	03.1		M4	908	P -81 99
63		9.0	10 5.110	-0.0063	25	-86 29 25.66	0.001	36	1.51	5.393	53	05.1	25.70	63	05.1		M4	968	P -86 45
64		8.0T	10 15.530	-0.0215	11	-80 51 44.76	-0.187	11	0.65	16.663	19	97.3	34.18	19	93.5	F8	GC	5074	P -81 104
65		9.2	11 59.052	0.0004	25	-82 24 48.23	0.060	36	1.68	59.031	45	98.1	51.33	53	98.1		M4	944	P -82 83
66		8.5	15 8.247	-0.0092	25	-81 7 15.87	0.126	36	1.53	8.687	36	02.3	21.87	45	02.3		M4	951	P -81 108
67		8.2	15 21.504	-0.0201	25	-83 14 14.25	-0.043	36	1.56	22.446	53	03.0	12.23	63	03.0		M4	954	P -83 85
68		7.9T	15 26.631	0.0212	07	-86 22 30.50	0.024	06	0.35	25.517	09	97.4	31.82	09	95.9	A3	GC	5190	P -86 48
69		9.5	16 52.540	-0.0086	25	-82 27 13.75	0.038	36	1.59	52.953	53	02.1	15.55	63	02.1		M4	959	P -82 87
70		8.4T	18 20.918	0.0105	12	-83 43 31.31	0.047	11	0.63	20.412	21	01.6	33.77	19	97.6	G5	GC	5268	P -83 87
71		9.0	21 5.463	-0.0260	25	-84 9 37.57	0.028	36	1.56	6.710	45	02.1	38.90	53	02.1		M4	988	P -84 47
72		5.6H	21 18.209	0.0063	02	-80 19 58.75	0.064	02	0.10	17.971	05	12.2	+ 1.05	05	14.2	K0F	F4	166	P -80 116
73		7.2T	21 45.173	-0.0064	11	-84 36 21.05	0.034	11	0.63	44.837	19	97.2	22.96	19	93.1	B0	GC	5341	P -84 48
74		8.5	22 28.605	-0.0150	25	-83 6 44.77	0.202	36	1.65	29.353	53	00.5	54.86	63	00.0		M4	987	P -83 90
75		9.2	22 51.475	-0.0032	25	-84 53 51.56	-0.069	36	1.51	51.620	53	05.0	48.46	63	05.0		M4	1004	P -85 45
76		8.7	23 0.238	-0.0032	25	-80 14 13.56	-0.032	36	1.62	0.395	53	01.1	11.98	63	01.1		M4	976	P -80 117
77		7.1T	23 23.677	0.0507	12	-84 18 0.42	0.042	12	0.67	21.021	19	97.6	2.75	19	94.2	K0	GC	5374	P -84 49
78		5.8T	25 18.896	-0.0001	03	-81 41 45.12	0.131	03	0.14	18.901	06	04.4	51.27	06	03.2	F0	GC	5418	P*-81 115
79		6.8H	28 33.345	-0.0105	02	-83 0 38.03	0.004	02	0.08	33.744	04	12.0	38.17	03	15.0	A2	F4	1658	P -83 91
80		7.9	35 27.958	-0.0054	25	-81 22 9.27	0.010	36	1.62	28.224	53	01.1	9.77	63	01.1		M4	1038	P -81 122
81		8.7	36 38.530	-0.0022	25	-87 2 8.43	0.000	36	1.65	38.640	53	00.1	8.45	63	00.1		M4	1097	P -87 68
82		8.5	41 24.596	-0.0062	25	-84 28 31.83	0.028	36	1.61	24.900	53	01.1	33.19	53	00.8		M4	1075	P -84 55
83		9.1	43 12.368	-0.0101	25	-80 51 18.90	-0.022	36	1.42	12.793	53	08.1	17.98	63	08.1		M4	1064	P -80 126
84		7.3T	43 28.615	-0.0116	10	-83 35 34.19	0.070	10	0.59	29.281	14	92.7	38.36	14	90.4	G5	GC	5806	P -83 94
85		8.9	45 52.648	-0.0356	25	-86 26 7.11	-0.010	36	1.62	54.391	53	01.1	6.64	63	01.1		M4	1119	P -86 53
86		7.8T	46 25.124	0.0670	12	-87 54 58.56	0.086	12	0.51	22.344	12	98.5	+ 2.19	12	07.8	F5	GC	5867	P -88 53
87		7.7	47 33.010	-0.0064	25	-81 35 35.39	-0.040	36	1.62	33.322	53	01.0	33.43	63	01.0		M4	1084	P -81 125
88		7.8	48 48.757	0.0191	25	-82 36 31.50	0.054	36	1.61	47.825	45	01.1	34.16	63	01.1		M4	1095	P -82 99
89		8.8	49 15.590	-0.0441	25	-80 43 47.38	0.030	36	1.83	18.056	53	94.0	49.07	63	94.0		M4	1087	P -80 131
90		9.2	50 33.510	0.0026	25	-85 4 50.80	-0.042	36	1.68	33.376	45	98.1	48.62	53	98.1		M4	1117	P -85 54
91		7.4	52 4.517	0.0079	25	-80 51 52.95	-0.037	36	1.74	4.101	53	97.0	51.00	63	97.0		M4	1105	P -80 133
92		8.6	52 47.738	-0.0153	25	-84 53 50.59	-0.034	36	1.64	48.498	53	00.4	48.90	63	00.4		M4	1128	P -85 55
93		8.7	59 52.529	-0.0173	25	-83 5 4.17	0.074	36	1.71	53.425	53	98.1	8.03	63	98.1		M4	1140	P -83 101
94		9.2	5 3 26.978	0.0056	25	-81 34 45.49	-0.034	36	1.54	26.719	53	04.1	43.92	63	04.1		M4	1148	P -81 128
95		5.9H	4 29.049	-0.0076	02	-82 32 26.44	0.008	02	0.09	29.347	04	10.6	26.73	04	12.3	K0	F4	917	P -82 106
96		9.2	6 6.718	-0.0219	25	-80 31 7.53	-0.008	36	1.62	7.790	53	01.1	7.15	63	01.1		M4	1157	P -80 141
97		8.6	6 23.866	-0.0171	25	-80 52 43.29	0.002	36	1.48	24.618	53	06.1	43.39	63	06.1		M4	1165	P -80 142
98		9.2	8 34.652	0.0058	25	-83 40 21.62	0.013	36	1.62	34.369	53	01.1	22.26	63	01.1		M4	1177	P -83 103
99		9.2	11 12.872	0.0021	25	-82 37 27.84	0.013	36	1.56	12.773	45	02.1	28.48	53	02.1		M4	1185	P -82 110
00		7.7T	14 18.634	0.0178	12	-80 27 59.58	0.080	11	0.65	17.717	21	98.4	+ 3.88	21	96.3	F8	GC	6456	P -80 145

258400

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001"	δ_{1950} ° ′ ″	μ' ″	σ'_μ .001"	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01"	ep.	δ_2 ″	σ' .01"	ep.	SP.	SOURCE CAT.	STAR NUMBER	-80° 5H DM NUMBER
1		6.8T	5 14 53.655	-0.0244	07	-83 55 15.14	-0.146	08	0.49	52.088	10	85.9	24.50	10	85.9	F5	GC	6474	P -83 105
2		7.9T	15 20.972	-0.0053	13	-80 14 50.34	-0.101	12	0.67	20.706	21	99.6	44.99	19	97.0	K0	GC	6486	P -80 146
3		9.0	16 9.228	-0.0054	25	-85 6 37.06	0.001	36	1.71	9.515	53	98.1	37.12	63	98.1		M4	1213	P -85 64
4		8.9	16 10.033	-0.0209	25	-82 20 34.35	-0.008	36	1.59	11.446	45	01.1	33.95	53	01.1		M4	1195	P -82 116
5		6.5T	17 14.069	0.0076	13	-81 35 49.41	0.047	12	0.70	13.694	21	00.3	51.95	21	95.8	G5	GC	6530	P* -81 134
6		8.4	18 20.088	-0.0284	25	-83 13 31.08	-0.051	36	1.71	21.561	53	98.1	28.45	63	98.1		M4	1206	P -83 106
7		8.3	18 29.225	-0.0027	25	-84 20 2.16	-0.034	36	1.56	29.352	53	03.1	3.77	63	03.1		M4	1216	P -84 66
8		8.9	21 32.194	0.0004	33	-85 6 5.03	-0.046	43	2.28	32.171	75	93.1	2.44	57	93.1		M3	704	
9		8.5	22 27.622	-0.0332	25	-81 0 51.53	-0.027	36	1.68	29.312	53	99.1	50.16	63	99.1		M4	1215	P -81 141
10		7.4T	23 4.277	-0.0226	08	-88 20 11.63	0.006	08	0.38	5.339	10	03.1	11.93	10	01.6	M0	GC	6680	P -88 58
11		9.0	24 2.506	-0.0415	25	-85 44 4.38	-0.013	36	1.56	4.451	53	03.1	3.78	63	03.1		M4	1255	P -85 72
12		7.1T	26 35.144	-0.0230	12	-81 4 56.70	0.007	12	0.68	36.300	22	99.8	57.10	21	93.8	A2	GC	6776	P -81 142
13		9.2	28 36.507	-0.0259	25	-87 6 9.13	-0.030	36	1.56	37.723	53	03.1	7.72	63	03.1		M4	1297	P -87 86
14		9.8	29 35.322	0.0012	25	-81 32 22.74	0.027	36	1.59	35.266	45	01.1	24.08	53	01.1		M4	1285	P -81 145
15		9.4	29 50.697	-0.0054	25	-82 39 40.15	0.036	36	1.53	50.950	45	03.1	41.83	53	03.1		M4	1251	P -82 123
16		9.2	30 38.163	-0.0196	25	-84 26 31.66	0.025	36	1.62	39.123	53	01.1	32.88	63	01.1		M4	1262	P -84 71
17		7.9	39 17.664	-0.0334	25	-80 52 41.97	0.032	36	1.82	19.530	53	94.2	43.65	63	94.2		M4	1276	P -80 159
18		6.2H	39 50.784	-0.0074	25	-84 48 57.74	0.047	02	0.10	51.043	04	15.1	59.44	03	13.6	A0	F4	1659	P -84 75
19		9.0	39 58.553	-0.0115	25	-80 23 15.04	-0.042	36	1.44	59.051	45	06.8	13.22	63	07.1		M4	1278	P -80 160
20		7.2T	40 38.060	-0.0238	14	-81 38 19.07	0.036	12	0.72	39.234	21	00.7	21.06	21	95.6	F5	GC	7155	P -81 152
21		5.6T	41 7.562	-0.1113	04	-80 30 32.66	-1.064	03	0.18	2.217	06	02.0	+27.44	06	98.5	G5	GC	7161	P* -80 161
22		8.2	47 42.972	-0.0126	25	-81 8 35.08	-0.006	36	1.56	43.567	53	05.2	34.79	63	03.2		M4	1314	P -81 154
23		8.7	48 11.931	0.0071	25	-84 35 46.48	0.022	36	1.71	11.562	53	98.1	47.60	63	98.1		M4	1333	P -84 82
24		8.9	49 26.104	-0.0015	25	-80 19 41.41	0.031	36	1.43	26.169	53	07.1	42.73	63	07.1		M4	1319	P -80 164
25		9.0	52 12.219	0.0192	33	-81 57 57.65	-0.085	43	2.28	11.126	75	93.1	52.84	57	93.1		M3	750	
26		8.0T	52 54.327	-0.0046	15	-84 54 57.85	-0.024	15	0.75	54.539	21	04.4	56.62	24	99.7	A5	GC	7459	P -84 85
27		6.7H	53 2.820	-0.0189	02	-85 55 50.95	0.005	02	0.08	3.497	04	14.1	51.12	03	14.4	K0	F4	1660	P -85 77
28		9.1	59 51.437	-0.0154	33	-80 6 49.92	-0.010	43	2.28	52.315	75	93.1	49.34	57	93.1		M3	763	
29		8.9	6 0 13.125	-0.0226	25	-81 34 5.96	-0.023	36	1.59	14.227	45	01.1	4.86	53	01.1		M4	1352	P -81 166
30		8.9	4 28.485	0.0087	25	-80 35 43.75	-0.009	36	1.40	28.116	45	07.7	43.36	53	07.7		M4	1366	P -80 170
31		8.7	7 24.587	-0.0536	25	-86 23 39.55	-0.039	36	1.54	27.122	45	02.7	37.71	53	02.7		M4	1418	P -86 80
32		8.3T	10 44.235	-0.0065	11	-81 58 52.28	0.024	11	0.60	44.508	21	00.3	53.60	19	96.3	A0	GC	7936	P -81 176
33		8.3	11 10.689	-0.0340	25	-82 34 44.77	0.058	36	1.74	12.487	53	97.2	47.83	63	97.2		M4	1401	P -82 142
34		7.3T	11 35.936	-0.0016	12	-81 3 8.08	0.039	11	0.65	36.020	19	98.0	10.30	19	92.9	F0	GC	7957	P* -81 175
35		9.2	11 56.762	-0.0051	25	-83 34 19.68	-0.013	36	1.60	57.009	53	01.8	19.04	63	01.8		M4	1405	P -83 118
36		7.8	12 51.588	-0.0147	25	-85 40 25.42	-0.046	36	1.62	50.872	53	01.2	23.19	63	01.2		M4	1430	P -85 82
37		7.4T	13 25.084	-0.0074	10	-82 1 52.71	0.017	10	0.60	25.517	15	91.7	53.77	12	89.4	F0	GC	8021	P -82 143
38		7.6T	14 30.845	-0.0129	12	-82 8 36.10	0.044	11	0.64	31.499	22	99.3	38.43	21	96.3	B8	GC	8054	P -82 144
39		8.0T	16 56.642	-0.0111	13	-81 31 52.06	-0.012	12	0.67	57.198	22	00.1	51.45	21	96.8	A2	GC	8124	P* -81 179
40		8.2	19 21.659	0.0047	25	-80 43 3.63	-0.033	36	1.40	21.466	53	08.7	2.26	63	08.7		M4	1424	P -80 176
41		9.2	21 18.995	-0.0216	25	-81 36 42.36	-0.073	36	1.62	20.060	53	01.1	38.82	63	01.1		M4	1437	P -81 186
42		8.6	24 52.323	0.0292	33	-82 56 44.25	-0.050	43	2.28	50.659	75	93.1	41.39	57	93.1		M3	813	
43		8.2	29 56.519	0.0042	25	-83 10 28.48	0.033	36	1.74	56.298	53	97.1	30.21	63	97.1		M4	1471	P -83 125
44		9.0T	33 2.494	-0.0165	13	-80 30 4.96	0.039	11	0.75	3.506	21	88.7	7.13	19	95.0	F0	GC	8580	P* -80 185
45		8.7T	33 39.937	-0.0164	14	-80 33 17.66	0.010	12	0.68	40.716	21	02.5	18.20	19	98.4	A2	GC	8598	P -80 186
46			34 28.782	0.0130	25	-84 38 39.15	-0.004	36	1.71	28.101	45	97.6	38.95	63	97.8		M4	1493V	P* -84 93
47		9.1	35 5.747	-0.0254	33	-86 45 5.63	0.061	43	2.28	7.191	75	93.1	8.56	57	93.1		M3	862	
48		9.0	37 22.585	-0.0109	25	-80 24 27.91	-0.014	36	1.74	23.162	53	97.1	27.19	63	97.1		M4	1487	P -80 189
49		8.5	41 44.694	-0.0067	25	-81 37 56.15	-0.013	36	1.58	45.026	36	00.7	55.52	45	00.7		M4	1502	P -81 194
50		9.4	43 22.051	-0.0209	25	-81 24 38.59	0.022	36	1.39	22.906	53	09.1	39.50	63	09.1		M4	1509	P -81 196
51		5.6H	6 44 14.538	-0.0074	02	-80 45 48.15	0.057	02	0.09	14.826	04	11.2	50.28	05	12.3	A2	F4	264	P -80 196
52		7.6T	51 18.772	-0.0222	11	-82 50 15.99	0.005	11	0.60	19.920	18	98.3	16.24	18	96.6	F0	GC	9031	P -82 161
53		7.4T	51 50.460	0.0101	25	-82 7 31.66	-0.011	36	1.62	49.967	53	01.1	31.12	63	01.1		M4	1544	P -82 160
54		7.4T	51 59.505	-0.0064	11	-81 0 24.46	0.069	12	0.64	59.844	21	97.4	28.15	19	96.8	K5	GC	9055	P -80 201
55		7.7T	53 55.629	0.0068	10	-83 55 54.50	0.080	11	0.65	55.191	19	85.9	58.93	19	94.8	F5	GC	9110	P -83 142
56		8.9T	54 9.977	-0.0091	12	-80 4 21.72	-0.016	11	0.66	10.437	22	99.2	20.88	19	96.2	K0	GC	9117	P* -79 235
57		9.3	58 22.904	0.0004	25	-85 41 2.51	-0.036	36	1.74	22.882	53	97.1	0.60	63	97.1		M4	1590	P -85 100
58		8.0T	59 47.223	0.0035	12	-80 46 8.16	0.036	11	0.61	47.049	19	00.3	10.10	19	96.7	K5	GC	9279	P -80 209
59		9.0	7 2 16.364	0.0101	25	-81 28 57.36	-0.070	36	1.53	15.891	45	03.2	54.10	53	03.2		M4	1577	P -81 211
60		6.4H	4 59.177	0.0074	02	-86 57 27.44	0.004	02	0.08	58.887	03	10.5	27.58	03	13.2	F2	F4	1661	P -86 105
61		7.6T	6 56.952	0.0026	07	-83 40 41.31	0.094	08	0.51	56.794	14	88.3	47.42	14	85.3	K0	GC	9458	P -83 151
62		8.5	7 11.956	0.0285	25	-86 51 43.47	-0.046	36	1.56	10.620	53	03.2	41.34	63	03.2		M4	1644	P -86 106
63		9.0	8 59.704	0.0280	25	-84 43 16.79	0.043	36	1.55	58.343	36	01.4	18.87	45	01.7		M4	1620	P -84 121
64		8.8	9 10.408	-0.0199	25	-81 25 13.12	-0.020	36	1.40	11.249	45	07.7	12.29	53	07.7		M4	1601	P -81 214
65		7.7H	12 46.518	-0.0122	02	-88 41 0.92	0.015	02	0.07	47.032	04	08.0	1.51	03	11.8	A0	F4	1662	P -88 68
66		8.6	18 34.271	0.0328	25	-87 13 20.07	-0.013	36	1.74	32.537	53	97.2	19.37	63	97.2		M4	1691	P -87 113
67		8.5T	19 10.707	-0.0278	13	-81 7 53.78	0.035	11	0.64	12.016	21	02.9	55.56	19	99.8	A2	GC	9814	P* -80 220
68		7.6T	19 52.976	-0.0552	13	-84 22 44.65	0.016	12	0.64	53.223	18	02.6	45.49	18	98.6	B9	GC	9830	P -84 132
69		9.4	19 59.718	0.0531	33	-82 11 0.41	0.067	43	2.26	56.701	63	93.2	4.23	57	93.2		M3	924	
70		9.0	24 31.733	-0.0030	25	-82 29 9.08	-0.024	36	1.71	31.891	53	98.1	7.84	63	98.1		M4	1666	P -82 186
71		9.2	27 13.447	-0.0156	25	-82 31 0.37	0.024	36	1.62	14.208	53	01.2	1.52	63	01.2		M4	1671	P -82 188
72		8.7	30 55.078	0.0245	25	-80 43 2.41	0.012	36	1.59	53.906	53	02.2	2.97	63	02.2		M4	1683	P -80 223
73		9.0	31 14.049	0.0041	25	-84 27 18.57	-0.043	36	1.73	13.831	53	97.2	16.29	63	97.2		M4	1698	P -84 143
74		8.9	32 0.822	0.0155	33	-83 6 30.97	-0.046	43	2.28	-59.941	75	93.2	28.35	57	93.2		M3	957	
75		9.0	34 17.740	0.0075	25	-85 27 43.27	-0.050	36	1.73	17.346	53	97.2	40.66	63	97.2		M4	1721	P -85 122
76		9.2	35 13.047	-0.0115	33	-80 50 32.81	0.006	43	2.28	13.700	75	93.2	33.13	57	93.2		M3	958	
77		9.4	38 56.379	0.0404	25	-87 32 36.20	0.064	36	1.69	54.268	45	97.7	40.58	53	97.7		M4	1771	P -87 123
78		7.6T	45 9.313	-0.0178	10	-82 27 40.45	0.045	11	0.60	10.301	17	94.5	42.96	15	94.6	K2	GC	10502	P -82 215
79		8.6	46 19.340	-0.0005	25	-85 19 4.55	-0.058	36	1.56	19.364	53	03.2	1.85	63	03.2		M4	1760	P -85 129
80		7.9T	46 45.297	0.0171	12	-82 13 8.01	-0.026	11	0.65	44.406	21	97.7	6.62	19	95.9	K0	GC	10549	P -82 216
81		9.2	47 44.251	-0.0005	33	-87 21 43.90	-0.002	43	2.28	44.277	75	93.2	43.78	57	93.2		M3	1527	
82		8.5	49 14.302	-0.0075	25	-86 39 10.38	-0.002	36	1.53	14.645	53	04.2	10.28	63	04.2		M4	1785	P -86 123
83		7.8T	49 40.303	0.0041	14	-81 50 29.98	-0.004	12	0.69	40.102	21	01.2	29.79	19	97.8	A2	GC	10636	P -81 236
84		9.1	50 57.137	-0.0204	25	-87 4 35.55	0.028	36	1.73	58.216	53	97.2	37.01	63	97.2		M4	1802	P -86 125
85		6.9T	51 36.404	-0.0123	09	-81 28 8.36	0.039	10	0.61	37.130	15	91.1	10.68	12	90.1	A2	GC	10684	P -81 237
86		8.5T	52 38.266	-0.0074	09	-85 47 28.38	-0.027	07	0.39	38.600	10	05.1	29.63	10	03.9	A2	GC	10704K	P -85 137
87		8.6	53 20.806	0.0052	25	-80 2 23.62	-0.031	36	1.59	20.556	53	02.2	22.12	63	02.2		M4	1764	P -79 256
88		9.0T	53 32.753	0.0051	14	-81 4 28.84	0.035	12	0.67	32.511	21	03.0	30.65	19	97.9	K5	GC	10730	P -80 229
89		8.4T	59 41.424	0.0020	13	-85 35 10.72	0.054	11	0.68	41.323	19	99.4	13.65	19	95.5	A3	GC	10892K	P -83 203
90		9.2	8 1 56.305	0.0094	25	-82 27 27.47	-0.005	36	1.71	55.818	53	98.2	27.23	63	98.2		M4	1800	P -82 232
91		9.1	4 53.574	-0.0038	25	-80 23 45.02	-0.070	36	1.61	53.764	36	99.7	41.48	45	99.7		M4	1805	P -80 230
92		9.1	8 49.487	-0.0145	25	-81 50 50.82	0.078	36	1.62	50.193	53	01.2	54.65	63	01.2		M4	1824	P -81 247
93		8.5T	11 27.283	-0.0060	10	-81 27 36.45	0.003	11	0.61	27.601	21	97.1	36.60	19	95.2	K5	GC	11193	P -81 255
94		8.7	24 45.441	0.0082	25	-86 38 2.04	-0.082	36	1.87	45.015	89	97.7	-57.78	*	97.7		M4	1908	P -86 137
95		8.9	26 19.972	-0.0282	33	-84 54 54.73	0.063	43	2.28	21.577	75	93.2	58.34	57	93.2		M3	1085	
96		5.6T	27 22.395	-0.0628	04	-80 45 5.95	0.218	04	0.21	25.640	07	98.3	17.18	07	98.4	K0	GC	11625	P -80 258
97		7.0T	28 28.174	-0.0377	07	-86 23 44.89	0.038	06	0.34	30.068	09	99.8	46.88	09	97.9	A0	GC	11652	P -86 138
98		8.4	34 0.023	-0.0006	25	-83 55 11.19	-0.062	36	1.63	0.055	53	00.9	8.13	63	00.9		M4	1922	P -83 238
99		8.8	37 57.508	-0.0084	25	-84 30 38.14	0.043	36	1.73	57.951	53	97.2	40.40	63	97.2		M4	1937	P -84 191
100		6.9T	38 24.265	-0.0160	12	-82 23 31.10	0.058	12	0.67	25.070	22	99.4	34.25	19	96.1	A5	GC	11929	P -82 269

258500 — EPOCH 1950 — ORIGINAL EPOCH — SOURCE — −80° 8H

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″/.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″/.001	σ_{1950} ″	α_2 s	σ ″/.01	ep.	δ_2 ″	σ' ″/.01	ep.	SP.	CAT.	STAR NUMBER	DM NUMBER
1		8.1	8 39 15.540	-0.0047	25	-87 33 35.11	0.083	36	1.69	15.785	45	97.7	39.44	53	97.7		M4	1985	P -87 138
2		8.9	44 18.202	-0.0091	25	-81 22 44.03	0.066	36	1.73	18.681	53	97.2	47.50	63	97.2		M4	1945	P -81 284
3		9.2	44 43.754	0.0439	25	-82 27 36.15	0.064	36	1.56	41.703	53	03.2	39.16	63	03.2		M4	1952	P -82 279
4		9.0	47 29.396	0.0171	25	-87 2 17.49	-0.010	36	1.69	28.498	45	97.6	16.95	53	97.6		M4	1999	P -86 152
5		8.4	49 18.026	0.0080	25	-80 56 16.97	-0.049	36	1.70	17.603	45	97.3	14.38	53	97.3		M4	1969	P -80 302
6		8.9	49 40.183	-0.0046	25	-84 25 35.41	0.067	36	1.53	40.394	53	04.2	38.47	63	04.2		M4	1983	P -84 199
7		9.1	50 10.560	0.0299	25	-82 25 43.24	0.033	36	1.51	9.215	53	05.0	44.75	63	05.0		M4	1977	P -82 283
8		9.3	52 5.424	-0.0020	33	-81 14 28.24	0.077	43	2.31	5.542	75	92.3	32.67	57	92.3		M3	1131	
9		9.1	52 10.405	0.0039	25	-82 25 14.51	0.067	36	1.53	10.228	53	04.3	17.59	63	04.3		M4	1986	P -82 286
10		9.0	52 47.818	-0.0070	25	-81 51 6.37	0.026	36	1.56	48.144	53	03.2	7.61	63	03.2		M4	1987	P -81 291
11		8.6	54 10.860	-0.0062	25	-80 0 45.13	-0.014	36	1.73	11.185	53	97.2	44.37	63	97.2		M4	1990	P -79 365
12		9.1	9 2 47.394	-0.0221	25	-82 26 34.04	0.069	36	1.61	48.471	53	01.3	37.42	63	01.3		M4	2021	P -82 301
13		8.9	3 30.733	0.0326	25	-86 22 0.56	-0.016	36	1.49	29.246	45	04.4	59.83	53	04.4		M4	2047	P -86 155
14		8.4	4 11.389	-0.0080	25	-81 54 57.33	0.043	36	1.58	11.768	53	02.6	59.39	63	02.6		M4	2027	P -81 298
15		5.4H	4 20.783	-0.0952	02	-85 27 58.13	0.033	02	0.07	24.545	03	10.5	59.38	03	12.4	F0	F4	918	P -85 183
16		8.7	5 8.774	-0.0059	25	-80 48 3.28	-0.056	36	1.73	9.087	53	97.2	0.31	63	97.2		M4	2028	P -80 321
17		8.6	5 38.209	-0.0363	25	-85 33 5.88	0.010	36	1.53	39.870	53	04.3	6.36	63	04.3		M4	2048	P -85 184
18		7.8T	10 44.528	0.0194	13	-82 7 11.26	-0.009	12	0.68	43.553	21	99.6	10.80	19	96.5	F5	GC	12720	P -81 302
19		8.7	12 16.180	-0.0382	25	-82 39 0.98	0.015	36	1.67	18.179	36	97.6	1.75	45	97.6		M4	2060	P -82 312
20		8.9	13 27.973	0.0118	25	-80 27 35.57	-0.061	36	1.56	27.422	53	03.2	32.70	63	03.2		M4	2058	P -80 331
21		7.8T	14 46.874	-0.0061	11	-83 32 0.06	0.049	11	0.65	46.532	15	93.5	2.87	14	92.3	K5	GC	12812	P -83 289
22		7.7T	14 56.311	-0.0359	11	-81 33 38.49	0.009	11	0.66	58.315	15	94.2	39.04	14	91.4	F5	GC	12817	P -81 312
23		8.5	16 47.791	0.0080	25	-82 0 39.72	-0.020	36	1.58	47.412	53	02.6	38.79	63	02.6		M4	2071	P -81 318
24		9.2	19 17.103	-0.0054	25	-81 34 28.67	-0.010	36	1.56	17.358	53	03.3	28.20	63	03.3		M4	2082	P -81 323
25		7.9T	19 37.971	-0.0523	10	-84 24 45.37	0.073	12	0.62	40.778	22	96.3	49.27	22	96.3	K2	GC	12922	P -84 216
26		8.3T	20 54.861	-0.0180	10	-84 26 8.85	0.039	13	0.63	55.798	22	97.9	10.79	21	99.8	K0	GC	12949	P -84 217
27		7.1T	21 46.096	-0.0207	09	-84 26 52.65	0.002	11	0.60	47.267	15	93.4	52.75	15	91.9	K2	GC	12974	P -84 219
28		10.0T	21 59.091	0.0010	17	-81 31 10.08	0.014	16	0.82	59.045	24	03.5	10.79	24	01.2		GC	12979	P -81 331
29		7.6T	22 16.702	-0.0552	12	-80 10 39.38	0.166	12	0.69	19.691	17	95.8	48.63	15	94.1	K0	GC	12982	P -79 406
30		5.4T	25 53.343	-0.0593	06	-80 34 17.84	0.126	04	0.22	55.982	09	06.5	23.73	09	03.2	F2P	GC	13066	P*-80 350
31		9.2	27 0.856	0.0109	25	-80 30 23.59	-0.064	36	1.62	0.325	53	01.3	20.47	63	01.3		M4	2114	P -80 356
32		8.6T	29 37.992	-0.0134	12	-81 28 53.29	0.021	12	0.66	38.669	19	99.4	54.40	19	96.5	A2	GC	13159	P*-81 346
33		8.2T	29 50.493	-0.0052	13	-81 37 13.18	0.022	12	0.67	50.750	22	00.6	14.37	21	97.0	K5	GC	13164	P -81 347
34		8.0T	31 16.391	-0.0164	12	-81 0 5.14	-0.015	11	0.65	17.215	18	99.7	4.35	17	95.9	F0	GC	13208	P -80 359
35		8.7	31 28.184	-0.0003	25	-86 56 54.86	0.033	36	1.73	28.200	53	97.2	56.60	63	97.2		M4	2151	P -86 170
36		7.7T	32 1.108	-0.0163	12	-82 2 30.42	0.025	11	0.62	1.897	21	01.7	31.75	19	97.0	A0	GC	13223	P -81 351
37		8.8T	33 30.159	-0.0060	11	-81 27 8.74	0.056	11	0.65	30.497	14	93.9	12.07	14	91.0	G0	GC	13259	P -81 354
38		5.2T	35 25.737	-0.0168	03	-80 43 1.90	0.007	03	0.14	26.510	05	04.1	2.26	05	01.0	B3	GC	13308	P*-80 365
39		9.1	37 41.694	-0.0356	25	-84 27 22.59	0.071	36	1.67	43.550	36	97.8	26.32	45	97.8		M4	2153	P -84 232
40		8.3T	39 38.442	-0.0383	09	-85 47 1.17	-0.017	09	0.52	40.454	17	97.5	0.23	15	93.3	F2	GC	13384K	P -85 210
41		8.8	39 49.502	-0.0094	33	-87 0 46.21	-0.002	43	2.32	50.061	36	90.3	46.09	45	90.7		M3	1259	
42		7.3Q	39 52.338	-0.0509	08	-85 47 0.78	-0.001	08	0.47	55.240	12	93.0	0.75	10	91.4	F2	GC	13391K	P*-85 210
43		6.8T	40 9.168	-0.0302	10	-81 28 54.68	0.020	11	0.59	10.770	18	97.0	55.77	18	96.6	K0	GC	13400	P -81 365
44		9.1	40 46.095	-0.0182	25	-82 43 17.90	-0.006	36	1.61	46.980	53	01.3	17.63	63	01.3		M4	2160	P -82 347
45		8.2T	44 55.857	-0.0262	11	-82 33 28.13	0.035	11	0.64	57.212	19	98.3	30.04	19	95.0	A0	GC	13494	P -82 351
46		7.5T	45 18.864	0.0507	09	-89 15 0.31	-0.025	09	0.42	16.533	10	04.0	-59.14	10	03.7	K2	GC	13496	P -88 95
47		8.2T	48 38.639	0.0026	12	-80 49 40.11	0.072	12	0.69	38.507	21	99.3	44.28	21	92.4	M0	GC	13556	P*-80 394
48		9.3	51 29.642	-0.0346	25	-81 21 40.19	-0.026	36	1.59	31.328	45	01.3	38.94	53	01.3		M4	2196	P -81 380
49		9.4	52 4.806	0.0168	25	-86 27 36.74	-0.050	36	1.59	4.006	53	02.3	34.38	63	02.3		M4	2213	P -86 179
50		9.0	54 39.434	-0.0434	25	-85 18 34.61	0.039	36	1.70	41.717	45	97.3	36.64	53	97.3		M4	2215	P -84 243
51		8.6	9 55 39.839	-0.0074	33	-84 11 7.90	-0.035	43	2.29	40.264	63	92.3	5.90	53	92.3		M3	1279	
52		9.2	55 51.427	-0.0106	33	-80 21 54.74	-0.081	43	2.29	52.034	63	92.3	50.09	53	92.3		M3	1274	
53		8.4T	58 14.362	-0.0099	12	-81 35 49.91	-0.011	12	0.69	14.863	21	99.3	49.28	21	92.4	A2	GC	13764	P -81 390
54		5.6T	10 2 8.751	-0.0162	03	-81 58 22.94	-0.032	02	0.14	9.523	05	02.3	24.55	05	99.8	A0	GC	13849	P*-81 399
55		9.0	2 20.103	0.0191	25	-83 42 47.02	-0.030	36	1.56	19.213	53	03.3	45.62	63	03.3		M4	2227	P -83 330
56		7.3T	2 23.109	-0.0338	04	-86 40 12.11	0.008	04	0.20	24.679	07	03.5	12.48	07	04.5	K5	GC	13854	P -86 189
57		9.2	2 48.471	0.0189	33	-88 7 12.46	0.018	43	2.31	47.383	75	92.3	13.49	57	92.3		M3	1325	
58		9.2	4 15.356	-0.0194	25	-84 32 36.21	0.027	36	1.58	16.311	36	00.8	37.52	45	00.8		M4	2243	P -84 248
59		8.7	4 24.944	0.0015	25	-85 42 44.04	-0.041	36	1.48	24.878	45	04.8	42.18	53	04.8		M4	2250	P -85 227
60		7.3T	4 52.696	-0.0451	12	-82 15 54.05	0.044	11	0.66	54.753	21	98.7	56.46	19	95.2	K0	GC	13904	P -81 409
61		6.6T	5 9.221	-0.0198	07	-81 19 20.59	0.046	06	0.29	10.042	10	08.6	22.56	10	07.6	G5	GC	13909	P -80 423
62		8.8	5 18.804	-0.0116	25	-80 28 42.08	0.002	36	1.48	19.326	45	04.8	42.19	53	04.8		M4	2236	P -80 421
63		9.2	5 36.170	-0.0116	25	-80 29 11.56	0.051	36	1.50	36.693	45	04.8	13.89	63	04.7		M4	2238	P -80 424
64		8.3Q	8 4.135	-0.0824	10	-83 50 38.04	-0.010	11	0.62	8.921	19	91.9	37.51	21	94.2		GC	13979K	P -83 336
65		7.8Q	8 6.667	-0.0814	08	-83 50 36.82	0.011	09	0.53	11.426	18	91.5	37.51	18	90.1	G5	GC	13980K	P*-83 336
66		8.7	11 23.992	-0.0295	25	-80 24 27.23	-0.028	36	1.53	25.339	53	04.4	25.97	63	04.4		M4	2265	P -80 432
67		9.3	14 40.011	-0.0020	25	-81 33 13.94	-0.073	36	1.56	40.107	53	03.3	10.53	63	03.3		M4	2277	P -81 422
68		8.1	17 36.999	-0.0306	25	-80 40 18.21	0.053	36	1.61	38.484	53	01.3	20.76	63	01.3		M4	2285	P -80 446
69		6.7T	19 22.351	0.0315	11	-82 39 31.66	-0.013	11	0.61	20.652	18	96.1	30.91	18	94.7	K0	GC	14234	P -82 396
70		7.3T	20 50.578	-0.0299	13	-81 23 45.20	0.055	12	0.71	52.072	21	00.0	48.21	21	95.6	A5	GC	14264	P*-81 432
71		8.7	21 36.680	0.0004	25	-81 18 12.86	-0.007	36	1.73	36.658	53	97.4	12.52	63	97.4		M4	2302	P -80 453
72		7.7T	25 4.030	-0.0536	08	-86 18 12.85	0.016	07	0.36	6.459	10	04.7	13.64	10	01.4	F0	GC	14365	P -85 240
73		9.1	25 5.760	-0.0463	33	-83 10 52.15	0.075	43	2.31	8.428	75	92.3	56.44	57	92.3		M3	1345	
74		8.5	25 7.274	-0.0532	33	-85 7 15.93	-0.012	43	2.31	10.344	75	92.3	15.22	57	92.3		M3	1353	
75		8.7	25 21.646	0.0151	25	-83 40 37.66	-0.028	36	1.73	20.851	53	97.3	36.18	63	97.3		M4	2319	P -83 351
76		8.8	26 0.109	-0.0190	25	-87 28 33.19	0.011	36	1.57	1.041	36	00.8	33.71	45	00.8		M4	2344	P -87 166
77	8.61		28 1.229	-0.0157	16	-84 5 32.54	0.029	12	0.75	1.980	22	02.2	34.12	22	96.3	M3E	GC	14436X	P*-83 355
78		7.5T	28 41.664	-0.0185	12	-80 47 59.04	0.037	12	0.65	42.587	18	00.0	+ 1.08	19	95.3	K0	GC	14446	P -80 462
79		8.6T	29 57.035	0.0111	15	-83 52 54.74	-0.010	16	0.76	56.523	24	04.0	54.30	26	03.1	F2	GC	14482	P -83 359
80		9.2	31 54.554	0.0046	25	-82 29 6.02	0.027	36	1.53	54.345	53	04.3	7.25	63	04.3		M4	2341	P -82 414
81		7.0T	32 11.621	-0.0139	12	-81 39 46.49	0.007	11	0.63	12.299	19	01.3	46.88	18	93.3	B8	GC	14534K	P -81 449
82		8.9T	32 34.212	-0.0081	14	-83 57 42.91	0.038	15	0.70	34.578	22	04.6	44.65	22	04.5	F5	GC	14545	P*-83 361
83		7.5T	32 42.354	-0.0098	10	-81 21 27.24	0.012	11	0.57	42.826	18	01.7	27.87	18	98.3	K0	GC	14548	P -80 467
84		7.9T	32 56.437	-0.0121	12	-80 54 14.19	0.019	11	0.64	57.041	21	99.9	15.23	21	95.9	A0	GC	14551	P -80 468
85		7.0T	33 47.297	-0.0054	13	-80 15 29.71	0.072	12	0.68	47.563	22	00.6	33.57	21	96.5	F0	GC	14575	P -79 529
86		6.7H	34 8.536	-0.0016	02	-85 49 55.73	0.004	02	0.09	8.588	04	16.9	55.86	03	15.1	A0	F4	1663	P -85 245
87		8.8	35 23.880	-0.0216	25	-85 7 59.07	-0.005	36	1.68	24.974	53	99.3	58.82	63	99.3		M4	2358	P -84 286
88		8.4	36 27.079	-0.0283	33	-82 22 53.33	-0.063	43	2.31	28.712	75	92.3	49.69	57	92.3		M3	1373	
89		8.8	36 59.411	-0.0096	25	-82 39 49.55	-0.068	36	1.69	59.914	45	97.6	46.00	53	97.6		M4	2359	P -82 424
90		8.3T	42 26.855	-0.0056	13	-81 46 25.97	-0.048	12	0.69	27.134	21	00.3	23.33	21	95.0	F5	GC	14785	P*-81 467
91		7.6T	42 31.497	-0.0426	07	-86 38 7.92	0.027	07	0.35	33.717	09	97.9	9.32	09	97.4	G5	GC	14787	P -86 210
92		5.5T	44 48.860	-0.0133	06	-80 12 19.79	-0.034	05	0.31	49.579	10	96.1	17.74	10	89.7	K0	GC	14848K	P*-79 554
93		4.6H	45 20.164	-0.0211	02	-80 16 34.91	0.004	02	0.09	21.061	04	07.4	35.07	04	10.2	B3	F4	411	P -79 556
94		8.3	49 31.510	-0.0274	25	-80 40 6.66	0.013	36	1.73	32.952	53	97.4	7.36	63	97.4		M4	2400	P -80 490
95		9.2	49 44.828	0.0160	25	-82 1 5.80	-0.013	36	1.59	44.064	53	02.3	5.18	63	02.3		M4	2402	P -81 476
96		9.0	56 56.635	-0.0117	25	-84 37 47.44	-0.023	36	1.68	57.230	53	99.3	46.30	63	99.3		M4	2429	P -84 305
97		8.2	57 42.070	0.0036	25	-80 33 57.46	-0.026	36	1.61	41.894	53	01.4	56.22	63	01.4		M4	2428	P -80 504
98		7.5T	57 58.314	-0.0092	11	-82 18 44.08	0.015	11	0.57	58.752	19	02.4	44.85	19	98.8	B9	GC	15123	P -81 478
99		6.7T	58 39.442	-0.0691	12	-81 17 18.21	0.071	11	0.64	42.946	19	99.3	22.06	18	96.0	F5	GC	15143K	P*-80 509
00		6.3H	59 42.379	-0.0443	02	-84 19 29.69	-0.007	02	0.08	44.110	04	10.9	29.45	03	12.9	A0	F4	1664	P -83 386

258600

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	STAR NUMBER	-80° 11H DM NUMBER
1		8.2T	11 2 20.924	-0.0202	11	-81 21 9.67	0.037	11	0.64	21.973	19	98.0	11.75	19	94.1	G5	GC	15233	P -80 522
2		7.1T	7 1.670	-0.0152	09	-85 28 40.97	0.000	07	0.38	2.342	10	05.8	40.98	10	02.3	A0	GC	15342	P -85 270
3		7.9T	7 44.063	-0.0170	13	-84 9 56.82	0.021	12	0.69	44.897	22	00.9	57.98	21	95.6	K0	GC	15357	P -83 396
4		9.1	9 36.655	-0.0057	25	-83 42 7.18	0.015	36	1.43	36.898	53	07.7	7.80	63	07.7		M4	2472	P -83 399
5		6.6T	9 44.395	-0.0278	10	-85 57 33.71	-0.002	09	0.43	45.617	12	06.1	33.62	10	04.4	M0	GC	15396	P -85 276
6		8.5	16 14.882	-0.0429	25	-83 7 15.09	-0.068	36	1.53	16.837	53	04.4	12.01	63	04.4		M4	2495	P -82 448
7		7.6T	16 43.710	-0.2414	07	-88 58 2.26	0.019	07	0.34	55.680	09	00.4	3.24	09	98.6	F0	GC	15563	P -88 109
8		9.3	17 20.548	-0.0025	25	-80 46 22.27	0.005	36	1.53	20.662	53	04.3	22.43	63	04.3		M4	2500	P -80 543
9		9.3	21 37.236	-0.0119	25	-81 56 5.81	0.011	36	1.73	37.863	53	97.5	6.38	63	97.5		M4	2516	P -81 496
10		9.1	23 48.032	0.0167	33	-80 14 38.97	-0.021	43	2.31	47.070	75	92.4	37.77	57	92.4		M3	1468	
11		7.8T	24 37.740	-0.0414	08	-84 40 46.26	0.007	08	0.53	40.415	12	85.3	46.71	10	84.3	F5	GC	15713	P -84 335
12		9.5	25 54.122	-0.0072	33	-82 14 26.60	0.050	43	2.31	54.535	75	92.4	29.47	57	92.4		M3	1476	
13		8.2T	29 1.847	0.0071	12	-83 49 9.50	0.017	11	0.65	1.481	22	98.3	10.48	21	92.9	A0	GC	15808	P* -83 417
14		8.9T	30 13.322	-0.0177	17	-81 9 10.86	-0.006	15	0.81	14.159	22	02.6	10.60	22	99.2	A3	GC	15839	P -80 570
15		8.1	31 23.801	-0.0447	33	-83 12 29.56	-0.022	43	2.31	26.381	75	92.3	28.26	57	92.3		M3	1484	
16		9.0	34 24.034	-0.0205	25	-80 3 33.30	-0.010	36	1.53	24.970	53	04.3	32.83	63	04.3		M4	2555	P -79 649
17		8.8	35 49.108	-0.3408	25	-86 59 34.43	-0.047	36	1.55	+ 4.882	53	03.7	32.27	63	03.7		M4	2568	P -86 232
18		8.7	35 57.471	-0.0137	25	-80 26 18.44	-0.011	36	1.61	58.138	53	01.4	17.90	63	01.4		M4	2562	P -80 580
19		7.5T	36 22.771	0.0170	05	-85 12 33.95	0.016	06	0.30	21.798	09	92.9	34.86	09	92.6	F0	GC	15985	P -84 346
20		9.1	37 9.255	0.0126	25	-82 3 7.73	0.019	36	1.44	8.690	36	05.2	8.61	45	05.2		M4	2566	P -81 510
21		6.2T	39 16.813	-0.0220	12	-82 49 21.03	0.014	12	0.66	17.919	19	99.8	21.80	19	95.7	K0	GC	16057K	P -82 469
22		6.6T	41 33.972	-0.0103	13	-80 12 20.36	0.003	12	0.67	34.476	22	01.3	20.50	21	97.3	B9	GC	16104	P -79 648
23		8.2	45 11.905	-0.0339	25	-84 49 46.47	0.034	36	1.68	13.651	45	98.4	48.25	63	98.5		M4	2596	P -84 357
24		9.4	45 48.432	-0.0127	25	-80 35 6.05	0.069	36	1.61	49.049	53	01.4	9.41	63	01.4		M4	2598	P -80 595
25		9.3	49 36.751	-0.0061	25	-81 29 16.33	-0.008	36	1.53	37.031	53	04.3	15.96	63	04.3		M4	2614	P -81 529
26			52 7.987	-0.0001	25	-82 59 40.91	-0.049	36	1.67	7.993	53	99.4	38.43	63	99.4		M4	2621V	P* -82 482
27		8.8	52 30.596	-0.0168	25	-80 43 41.67	0.043	36	1.73	31.476	53	97.4	43.94	63	97.4		M4	2622	P -80 605
28		7.7	54 50.646	0.0134	33	-80 13 3.94	-0.092	43	2.27	49.886	75	93.4	58.71	57	93.4		M3	1529	
29		9.4	55 40.670	-0.0415	25	-83 50 54.83	-0.004	36	1.70	42.809	53	98.5	54.61	63	98.5		M4	2637	P -83 436
30		8.9	56 4.374	0.0057	25	-86 30 57.26	-0.025	36	1.39	4.126	31	06.4	56.17	36	06.4		M4	2640	P -86 240
31		9.3	58 51.544	-0.0436	33	-82 16 40.27	0.170	43	2.28	54.053	63	92.4	50.03	53	92.4		M3	1533	
32		5.9T	59 45.282	-0.0487	03	-85 21 11.47	0.007	03	0.17	47.881	06	96.6	11.83	05	98.0	K2	GC	16449K	P -84 371
33		9.3	12 0 54.165	-0.0185	25	-81 34 18.55	0.028	36	1.73	55.137	53	97.4	20.03	63	97.4		M4	2651	P -81 546
34		7.8	3 51.310	0.0002	25	-85 30 9.92	-0.033	36	1.68	51.300	45	97.9	8.21	53	97.9		M4	2655	P -85 327
35		9.0	4 0.301	0.0028	33	-86 28 56.66	-0.026	43	2.29	0.139	63	92.3	55.14	53	92.3		M3	1546	
36		7.4T	8 10.583	-0.0141	15	-83 29 58.63	0.010	13	0.75	11.271	21	01.1	59.15	21	97.6	B9	GC	16629	P -83 444
37		8.5	9 10.243	-0.0066	25	-80 47 15.00	-0.030	36	1.58	10.559	53	02.1	13.55	53	01.9		M4	2679	P -80 634
38		9.3	11 41.219	-0.0298	25	-84 46 49.38	-0.005	36	1.68	42.763	45	98.2	49.10	53	98.2		M4	2691	P -84 384
39		8.3	11 53.775	0.0023	25	-80 55 0.03	-0.036	36	1.67	53.657	53	99.4	58.19	63	99.4		M4	2693	P -80 642
40		6.6T	13 39.010	-0.0697	06	-88 8 14.38	0.005	05	0.24	41.928	07	08.1	14.59	07	09.0	A0	GC	16751	P -87 196
41		8.4	14 19.192	-0.0317	25	-84 0 50.44	-0.066	36	1.61	20.731	53	01.4	47.22	63	01.4		M4	2699	P -83 451
42		8.8	18 15.364	-0.0004	25	-84 43 59.75	0.057	36	1.52	10.381	53	04.8	+ 2.28	63	04.8		M4	2715	P -84 390
43		8.2	20 39.298	0.0072	33	-81 4 38.49	-0.028	43	2.31	38.882	75	92.3	36.87	57	92.3		M3	1572	
44		6.2T	21 26.383	-0.0128	07	-85 52 24.39	-0.006	04	0.24	26.907	07	09.1	24.13	07	09.6	K0	GC	16903	P* -85 343
45		8.5	25 0.040	0.0263	25	-85 18 14.39	-0.024	36	1.73	-58.657	53	97.4	13.12	63	97.4		M4	2740	P -84 394
46		6.6T	25 16.386	-0.0059	12	-83 31 32.40	0.047	12	0.67	16.703	18	96.3	35.06	18	93.0	B9	GC	16987	P -83 461
47		9.0	36 7.734	0.0036	25	-80 36 59.13	-0.046	36	1.70	7.550	53	98.4	56.76	63	98.4		M4	2784	P -80 659
48		9.2	37 25.704	-0.0096	25	-81 20 35.56	0.030	36	1.73	26.210	53	97.5	37.13	63	97.5		M4	2788	P -80 661
49		9.2	44 13.963	-0.0001	33	-82 23 31.73	0.078	43	2.29	13.971	63	92.4	36.24	57	92.4		M3	1620	
50		7.2T	45 35.334	0.0001	12	-80 25 47.25	0.001	11	0.64	35.329	19	98.4	47.29	17	95.6	A2	GC	17388	P -80 670
51		9.1	12 46 49.656	-0.0175	25	-85 34 32.10	-0.031	36	1.73	50.578	53	97.4	30.45	63	97.4		M4	2816	P -85 357
52		8.8	48 7.903	0.0223	25	-84 0 22.42	-0.015	36	1.61	6.823	53	01.5	21.68	63	01.5		M4	2823	P -83 484
53		9.4	49 8.568	0.0006	25	-80 42 2.28	0.046	36	1.47	8.545	53	06.4	4.29	63	06.4		M4	2829	P -80 676
54		5.4H	49 30.427	0.0508	02	-84 51 8.65	0.025	02	0.07	28.435	03	10.8	9.58	03	12.7	K0	F4	919	P -84 407
55		8.3	49 58.239	-0.0094	25	-82 54 9.93	-0.065	36	1.41	58.629	53	08.4	6.40	63	08.4		M4	2834	P -82 547
56		7.2T	13 0 2.508	-0.0046	12	-80 52 53.95	0.001	12	0.69	2.749	21	97.9	54.00	21	94.0	K0	GC	17693	P -80 684
57		7.6T	1 33.175	-0.0047	12	-82 40 57.21	0.030	12	0.66	33.410	21	00.4	58.83	21	96.0	A2	GC	17719	P -82 556
58		8.3T	3 32.944	-0.0616	12	-82 27 11.60	-0.001	12	0.71	36.353	26	94.7	11.52	22	94.2	G0	GC	17754K	P -82 561
59		7.1T	5 39.769	-0.3054	06	-87 17 34.95	-0.142	06	0.32	56.354	09	95.7	27.13	09	95.5	G0	GC	17801	P -86 283
60		6.6T	7 57.417	-0.1169	03	-89 31 16.51	-0.004	02	0.13	+ 2.844	06	03.6	16.35	05	03.0	M0	GC	17838	P -89 37
61		9.0T	10 5.569	-0.0210	14	-84 11 50.19	0.001	12	0.73	6.625	21	99.8	50.23	19	95.4	F8	GC	17887	P* -83 517
62		8.5	13 3.988	-0.0136	25	-85 36 35.09	-0.006	36	1.49	4.591	53	05.5	34.85	63	05.5		M4	2911	P -85 373
63		7.9	18 5.821	-0.1684	25	-81 2 48.92	-0.150	36	1.39	12.664	53	09.4	42.82	63	09.4		M4	2933	P -80 686
64		9.1	18 49.758	-0.0054	25	-86 56 44.42	0.001	36	1.49	49.998	53	05.5	44.46	63	05.5		M4	2923	P -86 294
65		9.8	19 47.458	0.0234	25	-83 48 36.48	-0.061	36	1.55	46.369	53	03.5	33.63	63	03.5		M4	2936	P -83 523
66		9.3	20 36.311	-0.0033	25	-80 49 21.66	0.022	36	1.58	36.473	45	01.4	22.72	53	01.4		M4	2941	P -80 688
67		9.4	20 44.859	-0.0113	25	-80 49 50.98	-0.026	36	1.61	45.409	53	01.5	49.71	63	01.5		M4	2943	P -80 688
68		8.3	25 6.248	0.0199	25	-83 30 1.81	-0.001	36	1.43	5.367	36	05.6	1.87	45	05.6		M4	2960	P -83 527
69		8.5	26 15.901	-0.0186	25	-81 18 4.32	-0.017	36	1.64	16.822	53	00.5	3.47	63	00.5		M4	2966	P -80 689
70		8.3	26 15.743	0.0004	25	-87 16 0.82	-0.002	36	1.73	15.725	53	97.4	0.71	63	97.4		M4	2944	P -86 299
71		7.2T	27 13.817	-0.0148	04	-85 34 3.95	-0.021	03	0.22	14.614	07	96.3	2.89	07	99.0	B9	GC	18243	P -85 379
72		8.0T	30 19.457	-0.0236	09	-86 28 12.65	0.002	07	0.39	20.535	12	04.4	12.74	10	00.7	K0	GC	18308	P -86 300
73		9.3	30 57.569	-0.0208	25	-80 28 57.93	0.003	36	1.81	58.725	53	94.5	58.09	63	94.5		M4	2988	P -80 691
74		5.6H	32 25.492	-0.0706	02	-85 31 53.97	-0.021	02	0.08	28.390	03	09.0	53.18	03	11.1	A2	F4	1665	P -85 384
75		9.2	32 48.970	-0.0347	25	-80 34 16.04	-0.067	36	1.57	50.610	53	02.8	12.89	63	02.8		M4	2996	P -80 693
76		7.4T	33 10.132	0.0675	12	-83 39 16.11	0.009	12	0.68	6.627	18	98.1	16.58	17	94.9	F2	GC	18373	P -83 533
77		9.1	33 23.188	-0.0374	25	-81 39 16.57	-0.072	36	1.74	25.189	45	96.5	12.74	63	96.5		M4	2997	P -81 634
78		9.6T	33 34.772	-0.0138	15	-84 11 58.75	0.014	17	0.79	35.411	24	03.6	59.39	26	03.1	G	GC	18380	P -83 532
79		9.3	39 50.783	-0.0860	25	-81 31 42.87	-0.151	36	1.76	55.384	53	96.5	34.78	63	96.5		M4	3019	P -81 635
80		9.4	46 26.377	0.0241	25	-84 59 27.24	-0.065	36	1.73	25.114	53	97.5	23.84	63	97.5		M4	3034	P -84 451
81		8.7T	47 29.022	0.0061	08	-87 22 15.27	0.002	07	0.38	28.729	10	02.1	15.34	10	00.6	K0	GC	18688	P -86 306
82		8.2	47 58.482	-0.0014	25	-80 1 36.70	-0.043	36	1.70	58.552	53	98.4	34.50	63	98.4		M4	3046	P -79 744
83		5.8T	49 5.633	-0.0093	06	-82 25 12.58	-0.022	05	0.29	6.078	10	02.0	11.52	10	01.2	K2	GC	18731	P -82 585
84		8.9	53 29.434	0.0082	25	-84 47 24.33	0.018	36	1.50	29.071	53	05.5	25.14	63	05.5		M4	3059	P -84 453
85			55 13.449	-0.0023	25	-84 33 1.62	-0.052	36	1.72	13.570	53	97.8	-58.90	63	97.8		M4	3067V	P* -84 454
86		7.1T	56 10.282	-0.0336	13	-82 40 44.96	0.024	12	0.70	12.017	21	98.3	46.24	21	96.1	K2	GC	18897	P -82 587
87		8.9	56 25.115	-0.0140	25	-81 36 34.85	-0.046	36	1.76	25.866	53	96.5	32.38	63	96.5		M4	3077	P -81 641
88		9.4	56 36.180	-0.0146	25	-80 32 3.51	0.024	36	1.48	35.512	36	04.1	4.60	45	04.1		M4	3078	P -80 698
89		9.1	14 0 25.309	-0.0136	25	-85 35 54.63	-0.013	36	1.75	26.035	53	96.8	53.95	63	96.8		M4	3080	P -85 399
90		7.8T	2 0.633	-0.0105	15	-80 31 32.36	0.018	12	0.72	1.146	19	00.9	33.28	19	97.7	F0	GC	19000	P -80 701
91		6.9T	4 55.582	-0.0341	11	-84 18 32.00	0.024	12	0.67	57.469	17	94.7	33.36	18	92.4	K0	GC	19065	P -83 547
92		9.0	6 43.217	0.0150	25	-81 33 27.62	-0.111	36	1.47	42.783	53	06.5	22.79	63	06.5		M4	3105	P -81 644
93		5.0T	11 48.968	-0.0111	04	-80 46 30.92	-0.059	04	0.20	49.450	07	06.4	28.07	06	02.1	A2F	GC	19211	P -80 706
94		9.2	12 53.947	-0.0081	25	-81 39 38.79	-0.049	36	1.52	54.315	53	04.5	36.55	63	04.5		M4	3125	P -81 645
95		8.4	13 27.117	-0.0232	25	-83 2 58.01	-0.035	36	1.70	28.311	53	98.5	56.19	63	98.5		M4	3124	P -82 597
96		9.2	13 40.175	0.0154	25	-81 18 54.42	-0.072	36	1.67	39.397	53	99.5	50.77	63	99.5		M4	3133	P -80 707
97		6.4T	16 47.720	0.0037	13	-82 37 14.36	-0.022	12	0.70	47.527	18	98.5	13.13	17	94.9	B8	GC	19317	P* -82 601
98		4.1T	18 39.094	-0.0581	02	-83 26 29.51	-0.008	02	0.11	41.841	04	02.7	29.11	05	00.8	K2	GC	19349	P* -83 557
99		9.1	19 26.448	-0.0163	25	-83 17 49.33	-0.010	36	1.73	27.307	53	97.5	49.84	63	97.5		M4	3149	P -82 603
100		8.8	25 36.298	0.0067	25	-84 30 11.40	-0.050	36	1.59	35.972	45	01.3	8.96	53	01.3		M4	3165	P -84 465

258700

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$ ″.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-80° 14H DM NUMBER
1		7.1T	14 26 59.940	0.0116	11	-83 55 42.15	0.024	10	0.59	59.340	19	98.2	43.48	18	93.6	K2	GC	19538	P -83 558
2		8.8	27 16.840	-0.0016	25	-81 44 48.98	-0.067	36	1.55	16.916	45	02.5	52.17	53	02.5		M4	3183	P -81 656
3		8.9	27 29.588	0.0084	25	-85 4 29.22	-0.052	36	1.42	29.228	45	07.0	26.99	53	07.0		M4	3171	P -84 466
4		8.9	31 48.154	-0.0117	25	-80 31 8.21	-0.003	36	1.52	48.687	53	04.5	8.09	63	04.5		M4	3195	P -80 720
5		8.9	34 54.596	-0.0147	33	-81 14 51.46	-0.006	43	2.28	55.444	63	92.5	51.12	53	92.5		M3	1833	
6		7.9T	37 13.232	0.0066	07	-86 11 3.99	0.013	08	0.50	12.804	12	85.5	4.79	14	86.4	K2	GC	19752	P -85 410
7		9.0	45 6.095	0.0084	25	-85 0 28.68	0.003	36	1.46	5.730	53	06.8	28.80	63	06.8		M4	3224	P -84 481
8		8.5	46 43.712	0.0042	25	-82 42 48.67	0.074	36	1.49	43.524	53	05.6	51.94	63	05.6		M4	3240	P -82 623
9		8.6	48 14.101	-0.0049	33	-86 58 29.22	0.057	43	2.31	14.385	75	92.5	32.49	57	92.5		M3	1842	
10		7.8T	50 3.615	0.0213	09	-86 16 22.01	0.020	08	0.42	2.647	12	04.6	22.95	10	02.2	K2	GC	20011	P -85 415
11		8.4	50 29.685	0.0108	25	-81 0 4.50	0.063	36	1.70	29.129	53	98.4	7.78	63	98.4		M4	3257	P -80 742
12		9.1	51 40.240	-0.0466	25	-85 42 17.27	-0.021	36	1.49	42.313	53	05.6	16.33	63	05.6		M4	3245	P -85 418
13		5.6T	52 48.776	0.0059	07	-83 1 44.69	0.055	06	0.30	48.533	14	08.5	47.21	15	03.9	K0	GC	20070	P* -82 629
14		5.5T	55 51.286	-0.0053	03	-82 50 28.90	-0.012	03	0.18	51.568	06	97.0	28.21	06	94.6	K0	GC	20145	P* -82 636
15		8.1T	57 36.664	-0.1975	06	-89 8 18.45	-0.032	06	0.33	47.428	09	95.5	16.64	09	93.9	F2	GC	20182	P -88 127
16		8.0T	59 35.999	-0.0197	14	-83 42 57.17	0.021	13	0.75	36.988	22	99.9	58.35	22	94.9	A0	GC	20220	P -83 573
17		5.9T	59 54.082	-0.0015	07	-84 35 43.93	0.007	06	0.28	54.142	10	09.0	44.23	10	07.8	A0	GC	20223	P* -84 490
18		8.9	15 0 16.452	0.0194	25	-84 58 22.91	-0.056	36	1.73	15.433	53	97.5	19.97	63	97.5		M4	3279	P -84 489
19		6.9T	1 16.694	-0.0081	09	-80 7 15.40	0.012	10	0.57	17.137	21	95.1	16.09	19	94.2	B8	GC	20255	P* -79 795
20		6.5H	1 26.093	-0.1737	01	-87 56 52.77	-0.075	02	0.06	33.667	03	06.4	50.06	03	11.4	A2	F4	920	P -87 235
21		7.7	1 48.863	-0.0156	25	-87 31 34.13	-0.049	36	1.51	49.565	53	05.1	31.95	63	05.1		M4	3254	P -87 236
22		8.3	6 26.333	-0.0447	25	-85 29 36.95	0.051	36	1.62	28.514	53	01.2	39.42	63	01.2		M4	3301	P -85 429
23		8.9	9 51.801	-0.0909	25	-86 36 43.63	0.046	36	1.70	56.575	45	97.5	46.04	53	97.5		M4	3302	P -86 317
24		8.6	11 8.542	0.0058	33	-81 3 28.79	0.063	43	2.31	8.211	75	92.5	32.38	57	92.5		M3	1914	
25		8.0	15 14.090	-0.0144	25	-81 42 18.90	0.028	36	1.67	14.816	53	99.4	20.33	63	99.4		M4	3348	P -81 697
26		8.9	15 43.781	0.0007	25	-81 3 38.41	0.092	36	1.61	43.745	53	01.5	42.85	63	01.5		M4	3351	P -80 762
27		8.0	16 58.063	0.0027	25	-80 15 41.20	0.005	36	1.95	57.913	89	94.8	41.50	*	94.8		M4	3357	P -79 827
28		9.1	18 46.741	-0.0139	33	-84 1 21.55	0.049	43	2.33	47.543	75	92.4	24.40	70	92.4		M3	1921	
29		8.5	21 21.103	0.0065	25	-83 32 22.15	-0.001	36	1.52	20.809	53	04.6	22.10	63	04.6		M4	3365	P -83 584
30		8.8	29 2.827	-0.0150	25	-83 4 0.33	0.014	36	1.49	3.491	53	05.6	0.94	63	05.6		M4	3395	P -82 654
31		5.7H	31 26.275	0.0953	02	-84 18 14.99	0.091	02	0.07	22.209	03	07.3	18.40	03	12.3	A2	F4	1666	P -84 510
32		9.0	33 6.863	0.0141	25	-85 6 51.42	-0.030	36	1.38	6.292	53	09.6	50.19	63	09.6		M4	3400	P -84 508
33		9.3	37 37.253	0.0115	25	-82 37 36.84	-0.007	36	1.56	36.715	53	03.2	36.51	63	03.2		M4	3426	P -82 662
34		9.0	50 3.473	-0.0173	25	-81 18 9.33	-0.028	36	1.44	4.231	45	06.1	8.09	53	06.1		M4	3473	P -81 743
35		9.1	54 42.023	-0.0213	25	-81 23 49.13	0.047	36	1.70	43.119	53	98.5	51.54	63	98.5		M4	3487	P -81 746
36		9.5	55 48.877	0.0167	25	-80 38 53.70	-0.069	36	1.70	48.015	53	98.5	50.14	63	98.5		M4	3493	P -80 793
37		9.1	56 58.249	0.0187	25	-80 26 27.26	0.011	36	1.55	57.381	53	03.5	27.75	63	03.5		M4	3497	P -80 796
38		7.7T	58 20.575	-0.2071	14	-84 5 46.77	-0.007	13	0.76	31.653	21	96.5	46.38	17	95.3	K0	GC	21507K	P -83 593
39		8.2	16 1 23.745	0.0067	25	-83 40 30.31	0.029	36	1.58	23.428	53	02.6	31.67	63	02.6		M4	3504	P -83 594
40		8.0	8 20.774	0.0149	25	-80 40 25.96	-0.003	36	1.56	20.074	53	03.2	25.81	63	03.2		M4	3528	P -80 803
41		7.0T	16 45.076	-0.0108	12	-82 26 37.71	-0.011	12	0.69	45.636	21	98.0	37.12	21	94.1	K0	GC	21951	P -82 682
42		7.4T	18 4.908	-0.0214	11	-81 50 46.47	-0.038	11	0.62	5.994	19	99.3	44.43	21	95.6	K2	GC	21980	P -81 767
43		7.9T	20 57.397	0.0083	12	-83 28 52.62	-0.026	11	0.69	56.941	18	94.9	51.09	18	90.9	F0	GC	22037	P -83 604
44		7.9	22 57.602	-0.0237	25	-84 50 26.06	-0.034	36	1.68	58.806	53	99.2	24.35	63	99.2		M4	3563	P -84 523
45		9.2	25 7.610	0.0249	25	-80 49 21.21	0.003	36	1.50	6.494	53	05.2	21.33	63	05.2		M4	3585	P -80 809
46		8.8	25 38.800	0.0423	25	-83 26 37.60	0.032	36	1.49	36.879	45	04.5	39.06	53	04.5		M4	3578	P -83 606
47		8.9	33 38.967	-0.0009	25	-81 40 46.95	0.022	36	1.38	39.003	53	09.6	47.82	63	09.6		M4	3610	P -81 770
48		6.4T	34 33.370	0.0091	13	-83 8 38.81	0.015	12	0.70	32.901	21	98.3	39.69	19	93.0	K5	GC	22340	P -82 687
49		8.4	36 8.459	0.0073	25	-80 42 19.40	-0.041	36	1.45	8.136	45	05.8	17.59	53	05.8		M4	3619	P -80 814
50		8.3	39 6.162	-0.0071	25	-80 16 17.33	-0.043	36	1.49	6.479	53	05.6	15.42	63	05.6		M4	3628	P -80 816
51		6.1H	16 41 50.393	0.0103	02	-86 16 55.61	0.000	02	0.07	49.983	03	10.2	55.61	03	12.5	A0	F4	921	P -86 333
52		8.3	43 20.858	-0.0265	25	-81 30 28.65	0.029	36	1.69	22.221	53	98.6	30.12	63	98.6		M4	3634	P -81 771
53		9.3	48 19.208	-0.0253	33	-85 12 37.94	-0.031	43	2.30	20.662	75	92.6	36.18	53	92.6		M3	2101	
54		6.5T	48 33.854	-0.1977	08	-87 29 40.94	-0.142	09	0.41	42.949	10	04.0	34.20	10	02.6	K0	GC	22679	P -87 259
55		8.8	49 45.315	-0.0100	25	-80 54 55.09	-0.034	36	1.68	45.821	53	99.3	53.37	63	99.3		M4	3656	P -80 821
56		8.6	52 15.275	-0.0143	25	-82 41 22.42	-0.038	36	1.72	16.022	53	97.6	20.45	63	97.6		M4	3658	P -82 696
57		8.4	52 59.967	0.0266	25	-84 35 39.61	-0.075	36	1.75	58.548	53	96.6	35.60	63	96.6		M4	3653	P -84 533
58		9.0	53 1.706	-0.0005	25	-85 32 34.60	0.003	36	1.49	1.726	53	05.6	34.72	63	05.6		M4	3646	P -85 456
59		8.0	55 16.854	-0.0191	25	-83 38 17.66	0.012	36	1.38	17.626	53	09.5	18.15	63	09.5		M4	3665	P -83 613
60		7.2T	59 19.015	0.0037	12	-82 15 6.49	-0.020	12	0.69	18.805	15	93.8	5.33	17	92.3	A0	GC	22963K	P -82 700
61		10.2Q	59 20.358	-0.0007	17	-82 14 29.38	0.033	18	0.85	20.388	24	04.4	30.92	27	03.3		GC	22964K	P* -82 701
62		8.2	59 32.308	-0.0201	25	-81 15 18.26	0.042	36	1.51	33.212	53	04.9	20.16	63	04.9		M4	3687	P -81 779
63		7.4T	17 2 15.699	0.0145	11	-82 19 29.32	-0.002	11	0.66	14.913	18	95.8	29.21	18	92.7	F0	GC	23039	P* -82 703
64		9.0	8 1.363	-0.0250	33	-81 7 5.03	0.084	43	2.30	2.801	75	92.6	9.86	57	92.6		M3	2160	
65		9.2	13 17.544	-0.0413	25	-85 7 17.46	-0.072	36	1.62	19.609	45	00.0	13.88	53	00.0		M4	3709	P -85 458
66		7.9	16 39.628	-0.0222	25	-86 50 45.53	0.028	36	1.72	40.790	53	97.6	46.99	63	97.6		M4	3698	P -86 338
67		8.3T	16 59.750	-0.0668	08	-89 7 51.95	-0.018	09	0.58	+ 4.129	12	84.4	50.78	14	83.4	K0	GC	23398	P -88 142
68		6.8T	17 31.334	0.0053	08	-82 44 5.72	0.003	08	0.53	30.989	12	84.9	5.94	12	86.7	B8	GC	23419K	P -82 707
69		5.9H	22 3.712	-0.0035	02	-80 49 5.71	-0.041	02	0.09	3.853	04	08.9	4.12	04	11.2	M3	F4	1455	P -80 828
70		7.7T	25 8.204	-0.0000	12	-81 1 54.43	0.018	12	0.67	8.204	21	99.5	55.42	21	95.2	A2	GC	23650	P -80 830
71		8.0	26 10.119	-0.0063	25	-82 23 46.08	-0.007	36	1.43	10.385	53	07.9	45.79	63	07.9		M4	3765	P -82 708
72		8.1T	30 19.784	-0.0109	12	-87 13 9.88	0.005	12	0.67	20.363	19	96.8	10.14	19	93.6	K5	GC	23774	P -87 266
73		7.7T	32 3.101	-0.0030	06	-87 20 46.75	-0.032	06	0.35	3.262	09	97.1	45.02	09	96.7	K2	GC	23818	P -87 267
74		9.2	32 25.148	-0.0195	33	-80 3 51.85	0.014	43	2.31	26.270	75	92.5	52.67	57	92.5		M3	2216	
75		9.0	32 43.541	-0.0274	25	-80 38 1.61	0.002	36	1.47	44.772	45	05.1	1.72	53	05.1		M4	3791	P -80 833
76		8.5	37 11.308	-0.0013	25	-82 45 12.86	0.064	36	1.45	11.365	36	05.0	15.76	45	05.0		M4	3798	P -82 710
77		9.2	38 5.654	-0.0492	25	-84 52 37.84	-0.016	36	1.69	8.221	45	97.8	37.00	53	97.8		M4	3789	P -84 556
78		7.8T	38 31.418	-0.0033	14	-84 5 33.27	0.023	13	0.74	31.578	22	00.8	34.51	22	95.4	G5	GC	23976	P -84 560
79		6.4T	45 43.282	-0.0128	04	-85 12 18.15	-0.141	07	0.26	43.801	06	09.4	12.31	15	08.5	F5	GC	24171	P -85 469
80		7.3T	45 47.716	-0.0125	11	-83 13 27.55	-0.092	08	0.57	48.438	15	92.1	22.02	15	90.0	F2	GC	24174	P -83 636
81		8.3	46 50.797	-0.0038	25	-84 23 57.24	-0.047	36	1.43	50.968	36	05.6	55.14	45	05.6		M4	3820	P -84 564
82		7.3T	48 11.438	-0.0079	12	-81 26 34.97	-0.081	12	0.67	11.858	19	96.7	30.35	19	93.1	F2	GC	24231	P -81 798
83		7.9	51 10.529	-0.0078	25	-82 43 52.23	-0.002	36	1.60	10.904	53	01.7	52.13	63	01.7		M4	3841	P -82 717
84		8.7	52 38.099	0.0222	25	-85 25 14.88	0.029	36	1.44	37.107	36	05.4	16.18	45	05.4		M4	3829	P -85 470
85		8.6	53 21.759	-0.0035	25	-85 5 6.86	0.029	36	1.72	21.943	53	97.6	8.39	63	97.6		M4	3835	P -85 472
86		9.3	55 25.235	-0.0093	25	-80 37 42.53	0.025	36	1.75	25.730	53	96.6	43.84	63	96.6		M4	3863	P -80 840
87		6.3T	55 25.808	0.0065	11	-81 29 10.94	-0.035	11	0.58	25.498	18	02.3	9.09	19	97.5	K2	GC	24431	P -81 799
88		8.4	57 35.188	-0.0199	25	-83 8 16.86	-0.080	36	1.72	36.231	53	97.7	12.66	63	97.7		M4	3862	P -83 642
89		8.4	18 6 14.096	-0.0085	25	-80 13 46.60	0.079	36	1.55	14.488	53	03.7	50.25	63	03.7		M4	3897	P -80 843
90		7.8T	9 22.717	-0.0050	13	-82 31 21.59	0.017	12	0.65	22.950	21	03.2	22.45	21	99.3	K5	GC	24815	P -82 725
91		8.7	9 41.832	-0.0064	25	-81 9 43.15	0.021	36	1.52	42.138	31	02.5	44.13	45	02.5		M4	3906	P -81 800
92		8.4	10 18.703	-0.0211	25	-84 46 5.97	-0.004	36	1.72	19.806	53	97.7	5.78	63	97.7		M4	3894	P -84 571
93		7.3T	11 20.711	0.0030	12	-80 15 29.21	0.001	11	0.65	20.552	19	97.4	29.24	19	95.4	K2	GC	24872	P -80 847
94		9.5	12 59.056	-0.0124	25	-86 41 28.93	0.003	36	1.37	59.572	45	08.5	29.04	53	08.5		M4	3878	P -86 351
95		6.5T	14 13.863	0.0127	11	-84 24 44.92	0.010	11	0.68	13.119	15	91.7	45.51	14	89.7	A0	GC	24942	P -84 573
96		5.9T	20 19.886	-0.0119	08	-80 15 42.92	-0.056	07	0.50	20.639	17	86.6	39.10	15	82.2	K0	GC	25089	P -80 849
97		9.0	21 1.459	-0.0145	25	-85 2 30.43	0.045	36	1.47	2.106	45	05.3	32.45	53	05.3		M4	3921	P -85 481
98		8.5	22 12.363	-0.0135	25	-81 22 55.74	-0.026	36	1.72	13.071	53	97.7	54.36	63	97.7		M4	3939	P -81 811
99		5.2H	25 46.665	-0.0779	02	-87 39 9.92	-0.131	02	0.07	49.737	03	10.6	4.99	03	12.5	K0	F4	922	P -87 274
00		9.3	27 0.664	-0.0203	25	-80 38 51.94	0.099	36	1.54	1.618	45	02.9	56.59	53	02.9		M4	3957	P -80 851

258800

NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	EPOCH 1950 α_{1950} h m s	μ s	σ_μ .001	δ_{1950} ° ′ ″	μ' ″	$\sigma_{\mu'}$.001	σ_{1950} ″	ORIGINAL EPOCH α_2 s	σ .01	ep.	δ_2 ″	σ' .01	ep.	SP.	SOURCE CAT.	SOURCE STAR NUMBER	-80° 18H DM NUMBER	
1		9.0	18 27 14.435	-0.0148	25	-84 15 59.31	-0.072	36	1.52	15.121	45	03.7	55.96	53	03.7		M4	3943	P -84	576
2		8.0	29 40.174	-0.0309	25	-82 56 25.23	0.063	36	1.38	41.416	53	09.7	27.76	63	09.7		M4	3960	P -82	737
3		8.1T	29 54.449	0.0645	09	-86 14 32.35	-0.057	08	0.40	51.532	10	04.8	29.66	10	02.8	F5	GC	25312	P -86	357
4		6.3T	32 0.848	0.0040	09	-81 51 9.37	-0.001	07	0.55	0.607	19	89.5	9.31	18	80.7	A0	GC	25366	P -81	813
5		9.5	32 18.746	-0.0059	25	-84 46 26.10	-0.010	36	1.54	19.024	45	02.9	25.65	53	02.9		M4	3956	P -84	578
6		9.0	35 41.480	0.0133	25	-85 32 25.70	0.023	36	1.38	40.943	53	09.7	26.63	63	09.7		M4	3964	P -85	483
7		7.7T	38 52.709	0.0045	13	-83 37 0.79	0.042	13	0.70	52.573	21	01.3	3.01	21	97.5	K2	GC	25566	P -83	662
8		8.8	39 31.428	0.0005	33	-82 47 15.53	-0.003	43	2.30	31.399	75	92.6	15.36	53	92.6		M3	2352		
9		8.1	39 41.915	0.0014	25	-81 19 30.09	0.037	36	1.72	41.841	53	97.7	32.02	63	97.7		M4	3999	P -81	815
10		6.8T	40 2.424	-0.0099	13	-83 22 16.44	0.008	12	0.70	2.934	21	98.6	16.07	19	93.6	K2	GC	25590	P -83	663
11		9.1	40 35.401	-0.0047	25	-80 15 16.89	-0.002	36	1.55	35.619	53	03.7	16.82	63	03.7		M4	4006	P -80	856
12		8.3T	41 0.668	0.0034	10	-85 37 27.50	-0.001	10	0.45	0.520	12	06.1	27.45	12	05.2	M8	GC	25615	P -85	484
13		9.1T	41 31.037	-0.0011	14	-85 36 39.61	0.033	16	0.76	31.091	24	02.8	41.18	27	02.3		GC	25631	P -85	485
14		6.6T	46 8.441	0.0102	13	-83 29 3.51	0.021	12	0.71	7.929	22	99.6	4.64	22	94.9	A0	GC	25771K	P -83	664
15		6.7T	46 45.376	0.0084	12	-80 47 22.31	-0.003	12	0.67	45.252	21	98.4	22.12	19	95.8	A0	GC	25787	P -80	858
16		7.6T	49 25.956	-0.0076	08	-84 0 24.46	-0.010	09	0.56	26.438	14	86.4	23.85	12	85.6	A0	GC	25879	P -84	587
17		8.5	52 16.838	0.0163	25	-82 37 22.05	-0.008	36	1.41	16.161	53	08.4	21.70	63	08.4		M4	4041	P -82	747
18		8.9	52 44.327	-0.0057	25	-80 13 48.03	-0.027	36	1.52	44.586	53	04.7	46.83	63	04.7		M4	4048	P -80	874
19		9.0	57 8.562	-0.0356	33	-81 33 25.48	-0.008	43	2.30	10.607	75	92.6	25.03	57	92.6		M3	2391		
20		7.5T	19 0 10.239	0.0660	13	-83 33 39.09	-0.119	12	0.71	5.921	21	99.8	32.60	21	95.3	F5	GC	26187	P -83	674
21		8.3	2 1.421	-0.0002	20	-81 29 34.25	0.065	36	1.95	1.432	89	94.7	37.84	*	94.7		M4	4079	P -81	831
22		9.0	3 25.097	-0.0315	25	-84 19 17.03	-0.033	36	1.50	26.566	36	03.4	15.51	45	03.4		M4	4071	P -84	595
23		8.3	3 47.817	0.0053	25	-84 52 50.54	0.015	36	1.34	47.602	45	09.7	51.16	53	09.7		M4	4066	P -84	593
24		9.4	4 57.709	0.0103	25	-82 26 10.07	0.073	36	1.55	57.230	53	03.6	13.48	63	03.6		M4	4086	P -82	759
25		9.5	10 28.992	0.0224	33	-80 55 6.04	0.010	43	2.30	27.704	75	92.6	6.59	57	92.6		M3	2422		
26		9.2	11 15.097	0.0025	33	-83 51 9.96	-0.041	43	2.30	14.953	75	92.6	7.58	57	92.6		M3	2414		
27		8.5	11 29.033	0.0193	25	-82 11 53.36	-0.040	36	1.38	28.257	53	09.7	51.76	63	09.7		M4	4109	P -82	762
28		8.6	14 12.068	-0.0172	25	-81 28 33.26	-0.016	36	1.49	12.849	53	05.7	32.55	63	05.7		M4	4121	P -81	846
29		7.9T	14 54.450	0.0510	05	-84 48 56.81	-0.072	05	0.30	51.755	09	97.2	54.90	07	95.5	G5	GC	26594	P -84	599
30		8.5	17 17.620	0.0031	25	-84 29 1.77	-0.082	36	1.41	17.491	53	08.4	58.35	63	08.4		M4	4117	P -84	601
31		8.7	17 23.563	-0.0157	25	-80 20 4.74	-0.073	36	1.52	24.277	53	04.7	1.45	63	04.7		M4	4137	P -80	904
32		8.7	21 8.993	-0.0116	25	-81 0 27.14	0.066	36	1.68	9.583	53	99.1	30.53	63	99.1		M4	4143	P -81	849
33		6.7T	25 17.202	0.0042	04	-81 51 34.78	0.024	04	0.26	16.973	07	95.1	36.20	07	91.2	K0	GC	26876	P -82	770
34		9.0	30 6.684	0.0041	25	-82 43 30.73	0.047	36	1.43	6.510	53	07.7	32.70	63	07.7		M4	4172	P -82	773
35		8.0	36 32.245	-0.0001	25	-80 12 24.61	-0.034	36	1.40	32.248	53	08.7	23.22	63	08.7		M4	4197	P -80	924
36		8.8	37 37.818	0.0380	20	-86 57 33.58	-0.026	36	1.72	35.826	53	97.6	32.21	63	97.6		M4	4156	P -87	291
37		8.3	37 59.577	-0.0179	25	-83 2 57.79	-0.058	36	1.41	0.325	53	08.4	55.37	63	08.4		M4	4195	P -83	686
38		8.7	37 59.828	0.0106	25	-84 59 0.24	0.002	36	1.52	59.348	53	04.7	0.34	63	04.7		M4	4181	P -85	500
39		9.1	40 15.378	0.0038	25	-80 8 43.54	-0.107	36	1.41	15.217	45	07.3	38.99	53	07.3		M4	4209	P -80	929
40		8.9	41 29.380	-0.0048	25	-81 23 57.43	0.003	36	1.43	29.583	53	07.7	57.55	63	07.7		M4	4213	P -81	864
41		8.3	42 46.528	-0.0105	25	-82 17 13.18	-0.019	36	1.49	46.993	53	05.6	12.34	63	05.6		M4	4218	P -82	783
42		8.7	42 51.767	0.0035	33	-82 45 24.51	0.041	43	2.30	51.568	75	92.6	26.84	57	92.6		M3	2468		
43		8.8	43 45.022	-0.0011	33	-80 59 50.05	0.086	43	2.30	45.086	75	92.7	55.00	57	92.7		M3	2499		
44		6.3M	46 56.138	0.0070	01	-81 28 47.97	0.004	02	0.07	55.901	04	16.0	48.10	03	16.8	K0	F4	1667	P -81	868
45		8.7	48 3.454	-0.0457	25	-84 31 2.57	0.005	36	1.38	5.294	53	09.7	2.77	63	09.7		M4	4227	P -84	611
46		9.4	49 15.224	0.0140	33	-85 3 16.31	-0.015	43	2.30	14.420	75	92.6	15.46	57	92.6		M3	2497		
47		8.8	52 5.533	0.0092	25	-81 23 10.60	-0.023	36	1.72	5.051	53	97.6	9.38	63	97.6		M4	4254	P -81	873
48		9.3	52 30.999	0.0133	25	-84 44 9.87	-0.016	36	1.60	30.318	53	01.7	9.09	63	01.7		M4	4243	P -84	612
49		9.0	53 59.179	0.0067	25	-83 34 41.08	0.022	36	1.43	58.883	36	05.7	42.06	45	05.7		M4	4252	P -83	690
50		8.1	58 26.090	0.0119	25	-80 44 31.55	-0.054	36	1.68	25.473	45	98.2	28.77	53	98.2		M4	4275	P -80	938
51		8.3	19 59 23.666	0.0484	25	-82 56 54.60	-0.078	36	1.75	21.085	53	96.7	50.47	63	96.7		M4	4270	P -83	693
52		8.6	20 3 48.490	0.0038	25	-81 0 5.54	-0.016	36	1.72	48.289	53	97.6	4.72	63	97.6		M4	4294	P -81	883
53		8.0T	3 58.860	0.2992	13	-87 37 37.91	-0.049	17	0.70	45.491	21	05.3	35.81	21	06.8	G0	GC	27889	P -87	295
54		9.0	6 33.516	0.0038	25	-80 3 1.28	0.007	36	1.47	33.347	45	05.2	1.60	53	05.2		M4	4310	P -80	943
55		7.3	9 52.758	0.0103	25	-86 15 44.65	0.026	36	1.52	52.294	53	04.7	45.83	63	04.7		M4	4283	P -86	379
56		6.3T	14 27.290	0.0107	04	-83 28 12.23	0.016	04	0.23	26.665	07	91.5	13.13	07	92.4	A2	GC	28176	P -83	695
57		5.5M	15 3.002	0.1170	01	-89 8 18.48	-0.001	01	0.06	57.838	03	05.9	18.44	03	08.5	F0	F4	923	P -89	47
58		8.7	18 47.066	-0.0042	25	-80 9 47.06	-0.019	36	1.37	47.237	53	09.7	46.30	63	09.7		M4	4347	P -80	951
59		9.1	18 53.381	-0.0157	25	-86 19 53.09	0.051	36	1.40	54.063	36	06.7	55.30	45	06.7		M4	4316	P -86	382
60		7.5T	23 18.873	0.0097	12	-80 42 36.46	-0.019	12	0.66	18.380	21	98.9	35.47	21	96.7	F0	GC	28413	P -80	957
61		5.8T	25 6.334	0.0048	04	-81 8 0.09	-0.015	04	0.17	6.143	06	10.3	59.47	07	08.2	K0	GC	28453K	P -81	901
62		9.0	26 49.502	-0.0484	25	-82 27 31.96	0.009	36	1.43	51.599	45	06.7	32.36	53	06.7		M4	4374	P -82	815
63		7.5	27 35.846	0.0057	25	-86 27 45.19	-0.024	36	1.39	35.603	36	07.2	44.18	45	07.2		M4	4345	P -86	386
64		5.8T	30 0.275	0.0011	04	-81 27 42.99	-0.025	04	0.22	0.218	09	98.6	41.73	07	99.0	K5	GC	28578	P -81	906
65		9.3	30 50.780	0.0043	25	-82 29 46.58	0.062	36	1.38	50.605	53	09.7	49.08	63	09.7		M4	4388	P -82	818
66		7.1H	31 0.723	0.0428	03	-84 34 57.99	-0.024	03	0.11	59.327	05	17.4	57.20	04	16.8	A0	F4	1668	P -84	4484
67		9.2	31 5.090	0.0048	25	-80 10 53.41	-0.006	36	1.37	4.896	53	09.8	53.17	63	09.8		M4	4398	P -80	966
68		8.7	33 21.250	0.0208	25	-81 3 24.64	-0.069	36	1.67	20.176	45	98.3	21.08	53	98.3		M4	4403	P -81	911
69		8.5T	39 56.218	0.0167	13	-80 30 24.44	0.004	11	0.69	55.362	22	98.9	24.68	19	94.0	F0	GC	28850	P -80	977
70		7.6T	40 18.187	-0.0046	12	-80 2 10.04	0.028	13	0.68	18.424	21	98.2	11.52	21	97.7	G5	GC	28858	P -80	978
71		7.6T	42 12.446	-0.0044	12	-80 19 4.93	0.034	12	0.65	12.672	22	99.0	6.76	21	96.3	G5	GC	28908	P -80	981
72		8.1	47 22.163	0.0023	25	-84 3 47.08	-0.004	36	1.49	22.061	53	05.8	46.91	63	05.8		M4	4443	P -84	622
73		9.0	50 19.478	-0.0012	25	-85 12 22.11	0.004	36	1.45	19.533	36	05.0	22.27	45	05.0		M4	4445	P -85	512
74		8.4T	50 50.734	-0.0095	12	-80 48 46.55	0.002	12	0.68	51.213	21	99.3	46.68	21	95.1	K0	GC	29131	P*-81	927
75		7.9	51 11.892	0.0008	25	-83 20 27.13	-0.071	36	1.40	11.859	53	08.7	24.20	63	08.7		M4	4462	P -83	699
76		8.3	57 12.598	0.0213	25	-84 7 22.96	0.021	36	1.46	11.679	53	06.8	23.80	63	06.8		M4	4479	P -84	625
77		8.0T	57 35.873	-0.0022	13	-81 35 41.29	0.028	12	0.71	35.983	21	99.1	42.84	21	95.0	K0	GC	29308	P*-81	936
78		9.3T	58 21.263	0.0002	16	-83 30 25.61	-0.049	16	0.78	21.254	24	02.2	21.40	24	04.5	K0	GC	29334	P -83	702
79		7.3T	59 21.385	0.0273	12	-80 53 43.97	-0.134	11	0.64	19.909	18	98.9	36.47	15	93.9	A5	GC	29353K	P*-81	938
80		6.9T	21 1 7.047	0.1418	13	-82 13 39.90	-0.039	12	0.72	59.830	22	99.1	37.73	22	94.5	G0	GC	29406	P -82	843
81		9.4	2 5.573	0.0314	25	-82 8 46.35	0.094	36	1.37	4.312	53	09.8	50.13	63	09.8		M4	4505	P -82	845
82		8.9	6 15.275	0.0008	25	-81 32 41.63	-0.089	36	1.49	15.247	53	05.8	37.69	63	05.8		M4	4524	P -81	944
83		7.0T	6 20.656	0.0596	09	-85 24 29.24	-0.029	08	0.41	17.964	10	04.8	27.88	10	03.2	K0	GC	29557	P -85	516
84		7.6T	6 56.368	-0.0036	11	-83 28 18.80	0.022	11	0.66	56.561	19	96.5	20.03	21	93.2	K0	GC	29574K	P -83	709
85		7.8T	8 35.223	0.0570	11	-84 57 51.87	-0.080	12	0.66	32.226	19	97.4	47.42	18	94.5	F8	GC	29605	P -85	517
86		7.4T	10 10.920	0.0087	12	-80 33 11.94	-0.023	11	0.63	10.463	21	97.7	10.67	18	93.8	B9	GC	29647K	P*-80	1000
87		7.4T	10 47.135	-0.0011	07	-85 50 59.43	0.006	06	0.34	47.190	10	00.5	59.72	09	98.3	K5	GC	29660	P -86	390
88		8.2Q	11 18.889	0.0126	11	-84 31 14.94	-0.059	11	0.63	18.203	21	97.0	11.53	21	92.3	F0	GC	29680K	P*-84	626
89		8.1T	11 45.021	0.0069	13	-82 24 57.18	-0.023	12	0.65	44.689	19	01.8	55.98	19	97.6	A2	GC	29688	P -82	850
90		8.3T	13 14.275	0.0174	15	-84 28 54.24	0.008	15	0.76	13.455	22	03.0	54.65	24	00.9	G5	GC	29732	P -84	627
91		7.4T	13 28.646	0.0189	12	-83 25 13.52	-0.041	12	0.67	27.654	19	97.6	11.19	19	93.7	F0	GC	29738	P -83	711
92		7.6T	15 25.533	0.0899	12	-80 19 29.46	-0.103	12	0.66	21.068	22	00.3	24.03	21	97.0	G5	GC	29785	P -80	1006
93		9.0	17 54.607	0.0416	25	-86 21 45.25	0.009	36	1.64	52.543	53	00.4	45.70	63	00.4		M4	4537	P -86	392
94		8.6	18 4.928	0.0114	25	-87 0 40.58	0.009	36	1.67	4.349	53	99.5	41.05	63	99.5		M4	4527	P -87	306
95		9.7	18 20.619	0.0031	25	-87 55 56.63	-0.030	36	1.78	20.446	45	94.7	54.97	53	94.7		M4	4503	P -88	181
96		8.1T	19 41.424	-0.0151	14	-80 53 54.58	0.012	12	0.68	42.136	21	02.8	55.20	21	97.9	G0	GC	29909	P -81	954
97		8.9	19 45.013	0.0148	25	-83 23 18.18	0.007	36	1.38	44.418	53	09.7	18.47	63	09.7		M4	4567	P -83	714
98		9.4	20 10.943	-0.0017	25	-82 10 54.25	0.095	36	1.40	11.012	53	08.8	56.52	63	08.8		M4	4573	P -82	855
99		6.4T	21 43.133	0.0381	08	-85 1 41.54	-0.025	08	0.41	41.380	10	04.0	40.20	10	96.9	K2	GC	29964	P -85	519
00		7.4T	22 19.542	0.0086	12	-80 8 34.93	-0.011	11	0.64	19.096	19	98.2	34.35	19	96.4	K0	GC	29978	P -80	1013

258900	EPOCH 1950										ORIGINAL EPOCH						SP.	SOURCE		-80° 21H
NUMBER	MAGNITUDES m_{pg}	MAGNITUDES m_v	α_{1950} h m s	μ s	σ_μ ″.001	δ_{1950} ° ′ ″	μ' ″	σ'_μ ″.001	σ_{1950} ″	α_2 s	σ ″.01	ep.	δ_2 ″	σ' ″.01	ep.		CAT.	STAR NUMBER	DM NUMBER	
1		7.1T	21 23 5.242	-0.0037	12	-83 15 10.47	0.017	12	0.67	5.426	22	00.3	11.37	22	95.5	A2	GC	30003	P*-83 715	
2		6.5T	25 57.951	0.0074	07	-82 54 13.89	0.007	07	0.53	57.428	14	79.8	14.36	14	78.6	B3	GC	30062	P -83 716	
3		8.8	26 44.703	0.0018	25	-85 10 30.86	0.015	36	1.45	44.624	36	05.0	31.53	45	05.0		M4	4582	P -85 521	
4		6.7T	26 52.483	0.0056	11	-86 15 35.98	-0.007	09	0.61	52.190	22	97.6	35.59	19	92.5	A0	GC	30084K	P -86 1017	
5		7.6T	27 23.095	0.0418	12	-82 8 54.34	-0.032	12	0.67	20.945	21	98.6	52.55	19	94.0	A3	GC	30101	P -82 859	
6		9.2	27 55.312	-0.0073	25	-85 2 8.33	0.014	36	1.81	55.713	53	94.7	9.09	63	94.7		M4	4592	P -85 522	
7		9.3	31 32.069	-0.0661	25	-81 33 47.90	-0.421	36	1.54	35.123	53	03.8	28.46	63	03.8		M4	4614	P -81 964	
8		8.5T	40 58.666	-0.0162	11	-86 4 9.81	-0.011	11	0.64	59.512	21	97.7	9.19	19	93.5	F5	GC	30410K	P*-86 396	
9		9.1	41 47.806	-0.0046	25	-82 21 21.25	0.003	36	1.45	48.004	53	07.1	21.37	63	07.1		M4	4654	P -82 865	
10		7.6T	42 10.679	0.0009	09	-84 11 35.52	0.004	08	0.41	10.637	10	05.3	35.71	10	03.6	B9	GC	30445	P -84 633	
11		9.0	42 16.957	0.0061	25	-81 28 5.21	-0.043	36	1.51	16.681	53	05.1	3.30	63	05.1		M4	4656	P -81 972	
12		7.0T	42 18.345	0.0376	12	-82 39 55.26	-0.039	12	0.68	16.438	21	99.3	53.14	21	95.3	F5	GC	30447	P -83 721	
13		8.0	42 30.564	0.0011	25	-80 37 3.08	-0.046	36	1.62	30.509	53	01.1	0.83	63	01.1		M4	4659	P -80 1028	
14		5.5Q	43 27.797	0.0348	02	-82 57 5.53	-0.033	03	0.15	26.097	05	01.2	3.64	06	92.6	G0	GC	30472K	P*-83 722	
15		9.2	44 0.952	-0.0135	25	-83 17 3.48	-0.001	36	1.43	1.552	36	05.6	3.43	45	05.6		M4	4658	P -83 724	
16		6.7T	44 44.734	-0.0283	08	-85 16 6.14	0.011	07	0.36	46.018	10	04.6	6.67	10	02.6	K0	GC	30504	P -85 528	
17		8.9	46 12.073	-0.0050	25	-82 53 1.19	-0.009	36	1.39	12.283	45	08.0	0.82	53	08.0		M4	4665	P -83 726	
18		8.8	51 34.807	0.0149	25	-82 59 33.06	-0.078	36	1.47	34.139	45	05.2	29.58	53	05.2		M4	4690	P -83 727	
19		9.1	53 42.067	0.0256	25	-84 11 32.14	-0.061	36	1.54	40.886	53	03.8	29.32	63	03.8		M4	4695	P -84 637	
20		9.2	56 23.950	-0.0182	25	-84 58 23.71	0.009	36	1.52	24.773	53	04.8	24.10	63	04.8		M4	4702	P -85 531	
21		8.8	58 24.282	0.0180	25	-80 52 1.81	-0.040	36	1.51	23.451	45	03.8	59.96	53	03.8		M4	4725	P -81 982	
22		8.1T	22 1 43.104	0.0058	08	-86 43 29.94	0.006	07	0.38	42.839	10	04.1	30.21	10	01.7	A0	GC	30861	P -87 317	
23		7.4T	2 51.269	0.0166	07	-83 36 10.58	0.005	08	0.53	50.171	12	83.7	10.91	14	83.2	K0	GC	30886	P -83 730	
24		9.6	7 17.916	0.0066	33	-81 46 21.01	0.035	43	2.28	17.537	63	92.7	22.99	57	92.7		M3	2825		
25		9.0	8 29.438	-0.0197	25	-82 25 49.44	-0.049	36	1.47	30.319	45	05.3	47.25	53	05.3		M4	4750	P -82 878	
26		9.5	13 4.974	-0.0122	25	-81 13 54.83	-0.122	36	1.40	5.477	53	08.8	49.80	63	08.8		M4	4769	P -81 992	
27		8.5	14 13.967	-0.0012	25	-84 55 3.82	-0.011	36	1.59	14.022	53	02.1	3.27	63	02.1		M4	4763	P -85 535	
28		5.1H	14 32.560	0.0199	04	-80 41 24.35	-0.039	03	0.12	31.918	06	17.7	23.13	05	18.9	M3	F4	839	P -81 995	
29		9.0	15 18.489	-0.0109	33	-80 42 10.39	0.034	43	2.26	19.104	75	93.8	12.30	57	93.8		M3	2847		
30		8.1T	19 22.221	0.0263	13	-83 46 11.06	0.025	12	0.67	20.928	21	00.9	12.41	18	95.9	A5	GC	31265	P -84 639	
31		6.5H	20 21.891	0.0571	01	-89 4 36.36	-0.040	02	0.06	19.322	03	05.0	34.81	03	11.1	A5	F4	1669	P -89 53	
32		5.7H	22 39.605	-0.0349	01	-86 13 26.79	0.062	02	0.07	41.182	03	04.8	29.29	03	09.9	K0	F4	1670	P -86 406	
33		9.4	29 33.869	0.0104	25	-82 8 37.41	-0.009	36	1.54	33.391	53	03.8	36.98	63	03.8		M4	4816	P -82 885	
34		9.0	30 14.441	0.0190	25	-80 6 43.93	-0.026	36	1.57	13.525	45	01.8	42.68	53	01.8		M4	4823	P -80 1051	
35		9.4	32 41.048	-0.0032	25	-81 10 45.06	-0.088	36	1.54	41.196	53	03.8	41.01	63	03.8		M4	4832	P -81 1007	
36		8.0T	33 13.889	-0.0245	12	-83 4 25.17	-0.000	12	0.66	15.145	21	98.7	25.17	21	94.8	F0	GC	31543	P -83 738	
37		6.8T	34 0.742	0.0393	13	-83 30 43.93	-0.040	12	0.70	-58.746	22	99.2	41.69	21	94.3	A5	GC	31561	P -83 739	
38		9.0	34 31.656	-0.0080	25	-84 23 38.15	0.055	36	1.66	32.056	53	99.8	40.89	63	99.8		M4	4834	P -84 642	
39		9.0	35 2.094	-0.0494	25	-86 30 31.80	-0.024	36	1.56	4.411	53	03.2	30.66	63	03.2		M4	4826	P -86 408	
40		7.8T	39 37.555	0.0149	10	-84 0 15.47	0.007	10	0.62	36.624	12	87.5	15.89	12	86.6	F0	GC	31681	P -84 646	
41		4.3M	41 4.412	-0.0284	02	-81 38 41.05	0.006	02	0.08	5.669	04	05.7	41.32	04	07.3	F0	F4	924	P -82 889	
42		9.6T	42 41.146	-0.0038	12	-85 12 50.64	-0.018	15	0.70	41.334	24	00.8	49.75	26	01.5	K5	GC	31747	P -85 542	
43		9.6T	45 0.421	0.0132	13	-84 39 26.00	0.035	16	0.77	-59.758	21	00.0	27.77	22	99.8	K7	GC	31800	P -85 544	
44		9.8T	45 8.296	0.0392	18	-84 41 28.53	-0.078	20	0.89	6.551	24	05.5	25.02	27	04.7	F5	GC	31804	P -85 545	
45		9.5T	45 10.399	0.1040	13	-84 31 37.54	-0.038	16	0.74	5.438	24	02.3	35.74	26	02.4	K5	GC	31805	P -84 647	
46		5.5T	45 48.680	0.0095	08	-80 23 19.01	-0.017	06	0.30	48.310	10	11.2	18.28	10	07.9	B5	GC	31821	P*-80 1055	
47		9.8	46 41.755	0.0376	25	-85 40 30.78	-0.085	36	1.80	39.681	53	94.8	26.11	63	94.8		M4	4864	P -86 413	
48		8.8	46 41.897	0.0081	25	-82 58 5.59	0.038	36	1.75	41.467	53	96.8	7.60	63	96.8		M4	4866	P -83 742	
49		9.8T	46 48.888	0.0070	12	-85 8 13.62	-0.008	17	0.74	48.545	24	00.8	13.23	26	03.1	K5	GC	31833	P -85 546	
50		9.1	47 1.012	0.0195	25	-83 29 0.15	-0.077	36	1.51	0.111	45	03.8	-56.61	53	03.8		M4	4867	P -83 741	
51		9.2	22 49 57.693	0.0219	25	-83 58 52.91	0.043	36	1.43	56.725	36	05.8	54.80	45	05.8		M4	4887	P -84 649	
52		9.0	51 35.852	-0.0227	25	-81 29 14.38	-0.030	36	1.46	36.861	45	05.6	13.06	53	05.6		M4	4897	P -81 1018	
53		8.5	52 41.227	0.0053	25	-81 22 40.56	-0.074	36	1.72	40.948	53	97.8	36.71	63	97.8		M4	4900	P -81 1020	
54		9.2T	55 54.969	0.0141	12	-86 38 36.82	-0.054	15	0.70	54.267	22	00.3	34.20	26	01.5	M0	GC	32019	P -87 331	
55		7.8T	57 48.629	0.1964	12	-82 58 31.13	-0.107	12	0.66	38.283	18	97.3	25.12	19	93.8	G5	GC	32058	P -83 743	
56			57 49.629	-0.0059	25	-80 9 18.54	0.082	36	1.46	49.890	45	05.6	22.17	53	05.6		M4	4923V	P*-80 1061	
57		9.0T	23 3 26.645	0.0221	13	-85 9 2.88	-0.029	16	0.74	25.586	24	02.2	1.47	26	02.3	K	GC	32176	P -85 550	
58		9.7	3 33.390	-0.0084	25	-82 16 40.89	-0.072	36	1.40	33.754	36	06.8	37.76	45	06.8		M4	4937	P -82 891	
59		8.8	6 39.601	-0.0036	25	-84 14 18.47	-0.020	36	1.56	39.779	36	01.3	17.50	45	01.3		M4	4944	P -84 653	
60		8.5T	6 41.786	0.0451	11	-88 13 58.86	-0.018	11	0.58	39.609	21	01.7	57.94	21	99.7	K5	GC	32244	P -88 201	
61		6.5T	8 6.472	0.0067	13	-81 11 4.47	-0.005	09	0.64	6.130	18	98.8	4.15	17	90.7	K2	GC	32286	P -81 1024	
62		9.4T	8 26.472	0.0046	12	-85 16 53.35	0.010	15	0.70	26.246	24	00.9	53.81	26	01.6	K2	GC	32295	P -85 551	
63		8.8*	9 29.226	0.0091	33	-80 54 21.93	0.044	43	2.26	28.717	75	93.8	24.38	57	93.8		M3	2954	*	
64		8.0	12 0.217	0.0100	25	-81 1 59.61	-0.032	36	1.65	-59.699	36	98.3	57.94	45	98.2		M4	4970	P -81 1026	
65		8.5T	12 3.000	0.0443	11	-87 49 48.19	0.032	12	0.65	0.687	22	97.8	49.85	24	97.7	G0	GC	32353	P -88 202	
66		8.1T	12 23.315	0.0020	12	-80 47 11.20	0.076	12	0.66	23.213	21	98.7	15.43	19	94.1	F5	GC	32360	P -81 1027	
67		8.9T	13 33.896	-0.0085	12	-80 39 58.69	-0.018	13	0.67	34.330	22	99.2	57.76	22	98.4	K2	GC	32383	P -81 1028	
68		8.2T	14 2.256	0.0002	11	-80 41 54.08	-0.013	11	0.62	2.244	19	98.4	54.71	19	96.3	A2	GC	32396K	P -81 1029	
69		8.9	15 58.865	-0.0155	25	-82 10 52.48	-0.027	36	1.69	59.675	45	97.8	53.91	53	97.8		M4	4986	P -82 893	
70		5.6H	21 22.170	0.0325	01	-87 45 27.44	0.011	01	0.06	20.676	03	04.0	27.87	03	10.6	K0	F4	925	P -88 204	
71		9.0	22 4.753	-0.0191	33	-81 33 9.04	0.060	43	2.29	5.845	75	92.9	12.49	57	92.9		M3	2977		
72		9.8T	24 5.033	-0.0006	18	-87 51 46.07	0.015	20	1.40	5.075	34	77.8	47.11	36	79.4	M	GC	32610	P -88 206	
73		7.6T	24 31.106	0.0198	08	-85 59 5.11	0.001	08	0.52	29.949	14	91.5	5.19	12	89.9	K0	GC	32626	P -86 418	
74		9.1	26 2.724	-0.0188	25	-82 48 3.22	0.003	36	1.68	3.679	53	99.2	3.37	63	99.2		M4	5019	P -83 749	
75		7.4T	28 29.667	0.0004	13	-81 6 16.63	0.013	12	0.68	29.647	21	01.7	17.30	21	97.5	K0	GC	32696	P -81 1036	
76		8.9	31 2.724	-0.0028	25	-80 22 28.37	-0.032	36	1.66	2.865	53	99.9	29.99	63	99.9		M4	5037	P -80 1071	
77		9.1	34 27.461	-0.0369	25	-82 22 36.98	-0.044	36	1.75	29.423	53	96.8	34.66	63	96.8		M4	5047	P -82 897	
78		7.9T	34 48.031	0.0601	07	-86 40 32.53	-0.033	07	0.36	45.046	10	00.3	30.84	09	98.6	F0	GC	32827	P -87 339	
79		9.4	36 13.168	-0.0320	33	-84 48 13.52	0.007	43	2.27	14.996	63	92.8	13.92	53	92.8		M3	3007		
80		9.2	37 21.202	0.0004	25	-87 9 2.50	0.049	36	1.45	21.182	45	05.9	4.67	53	05.9		M4	5053	P -87 341	
81		9.2	38 4.610	-0.0037	25	-80 49 37.86	0.009	36	1.53	4.780	53	04.2	38.29	63	04.2		M4	5066	P -81 1041	
82		8.5	39 34.685	-0.0054	25	-83 24 35.19	0.026	36	1.57	34.945	45	01.9	36.44	53	01.9		M4	5070	P -83 755	
83		7.6T	40 47.319	-0.0684	13	-82 47 4.57	-0.065	12	0.69	50.779	21	99.4	0.93	19	94.4	G0	GC	32944	P -83 756	
84		7.9T	44 24.915	0.0167	07	-84 8 24.69	-0.027	06	0.34	24.070	09	99.4	26.14	09	97.3	K0	GC	33008	P -84 658	
85		9.3	45 53.821	-0.0030	25	-82 12 18.79	0.024	36	1.51	53.958	45	03.8	19.90	53	03.8		M4	5096	P -82 903	
86		7.9T	48 5.977	-0.0288	11	-80 10 36.48	0.017	11	0.59	7.424	19	99.7	37.42	19	96.0	G0	GC	33083	P*-80 1078	
87		9.0	48 17.939	0.0059	25	-85 30 52.50	0.016	36	1.60	17.654	53	01.9	53.25	63	01.9		M4	5102	P -85 558	
88		9.7	48 35.477	-0.0320	25	-84 59 51.07	0.015	36	1.73	37.166	53	97.2	51.86	63	97.2		M4	5107	P -85 559	
89		5.1T	49 14.400	-0.0198	02	-82 17 48.57	-0.013	02	0.12	15.377	05	00.6	47.86	05	95.5	G5	GC	33107	P*-82 905	
90		7.9T	49 39.049	0.0133	09	-86 10 26.88	0.016	08	0.40	38.453	12	05.2	27.63	10	01.6	B8	GC	33115	P -86 423	
91		8.4T	50 47.461	0.0139	12	-80 37 10.51	0.003	11	0.64	46.752	21	98.8	10.70	19	95.8	K0	GC	33142	P -81 1044	
92		6.7T	50 52.773	0.0828	12	-83 17 8.98	0.018	12	0.68	48.413	18	97.3	9.96	17	94.2	K5	GC	33143	P -83 758	
93		9.0	52 11.973	0.0233	25	-80 26 43.03	0.024	36	1.51	10.922	53	04.9	44.12	63	04.9		M4	5124	P -80 1079	
94		8.1T	53 58.983	-0.0044	15	-83 15 45.98	-0.008	17	0.80	59.194	22	02.5	45.57	24	01.6	K0	GC	33203	P -83 760	
95		9.4	54 48.819	-0.0160	25	-84 36 41.97	-0.061	36	1.40	49.476	53	08.9	39.46	63	08.9		M4	5135	P -85 560	
96		5.7T	54 51.661	-0.0148	02	-82 26 52.62	-0.020	02	0.15	52.480	06	94.8	51.53	06	95.5	K0	GC	33219	P*-82 907	
97		8.9	58 52.487	0.0012	33	-83 48 5.02	-0.012	43	2.29	52.416	75	92.8	4.36	57	92.8		M3	3056		

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